

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060108.D
 Acq On : 2 Oct 2018 11:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/3/2018 12:59:48 PM

Quant Time: Oct 03 01:16:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1767160	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2418056	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1913398	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	1019385	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	673092	50.25	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	6.31	113	923229	50.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	9.46	98	2662014	50.84	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.43	95	994160	50.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	883803m	53.167	ug/l
3) Chloromethane	1.75	50	830877	55.431	ug/l
4) Vinyl Chloride	1.84	62	670089	54.626	ug/l
5) Bromomethane	2.13	94	107698	69.921	ug/l
6) Chloroethane	2.24	64	200349	59.850	ug/l
7) Trichlorofluoromethane	2.49	101	776789	52.885	ug/l
8) Diethyl Ether	2.81	74	170748	56.533	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.07	101	497411	54.359	ug/l
10) Methyl Iodide	3.23	142	538084	55.451	ug/l
11) Tert butyl alcohol	3.95	59	264055	274.859	ug/l
12) 1,1-Dichloroethene	3.05	96	402084	55.778	ug/l
13) Acrolein	2.97	56	139773	236.016	ug/l
14) Allyl chloride	3.52	41	824152	55.047	ug/l
15) Acrylonitrile	4.07	53	1029460	258.890	ug/l
16) Acetone	3.14	43	721729	296.931	ug/l
17) Carbon Disulfide	3.30	76	1373566	56.662	ug/l
18) Methyl Acetate	3.54	43	282456	54.066	ug/l
19) Methyl tert-butyl Ether	4.11	73	1676678	52.901	ug/l
20) Methylene Chloride	3.70	84	981795	51.440	ug/l
21) trans-1,2-Dichloroethene	4.08	96	946710	50.849	ug/l
22) Diisopropyl ether	4.84	45	3457723	51.713	ug/l
23) Vinyl Acetate	4.79	43	9782891	260.294	ug/l
24) 1,1-Dichloroethane	4.74	63	1581784	52.176	ug/l
25) 2-Butanone	5.61	43	1686882	277.799	ug/l
26) 2,2-Dichloropropane	5.57	77	1258494	54.759	ug/l
27) cis-1,2-Dichloroethene	5.58	96	1029613	52.197	ug/l
28) Bromochloromethane	5.92	49	724468	49.176	ug/l
29) Tetrahydrofuran	5.95	42	945748	268.137	ug/l
30) Chloroform	6.09	83	1576558	51.410	ug/l
31) Cyclohexane	6.36	56	1477547	50.914	ug/l
32) 1,1,1-Trichloroethane	6.28	97	1295999	51.584	ug/l
36) 1,1-Dichloropropene	6.52	75	1183668	51.226	ug/l
37) Ethyl Acetate	5.69	43	871866	56.846	ug/l
38) Carbon Tetrachloride	6.49	117	1096962	52.306	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1385384	52.769	ug/l	98
40) Benzene	6.78	78	3120054	51.613	ug/l	100
41) Methacrylonitrile	5.91	41	365760m	42.192	ug/l	
42) 1,2-Dichloroethane	6.89	62	907936	52.388	ug/l	99
43) Isopropyl Acetate	8.35	43	1129483	55.976	ug/l	99
44) Trichloroethene	7.74	130	971243	51.902	ug/l	98
45) 1,2-Dichloropropane	8.10	63	803036	50.733	ug/l	99
46) Dibromomethane	8.21	93	534801	52.187	ug/l	92
47) Bromodichloromethane	8.50	83	1176234	53.869	ug/l	99
48) Methyl methacrylate	8.25	41	613146	53.347	ug/l	100
49) 1,4-Dioxane	8.23	88	121587	1075.152	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	3403156	267.401	ug/l	100
52) Toluene	9.55	92	1984685	50.978	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	1088475	55.093	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1312013	53.777	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	673686	52.931	ug/l	99
56) Ethyl methacrylate	10.04	69	765455	54.483	ug/l	98
57) 1,3-Dichloropropane	10.39	76	1004847	51.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1848345	236.915	ug/l	100
59) 2-Hexanone	10.49	43	2508798	274.138	ug/l	99
60) Dibromochloromethane	10.65	129	861746	55.184	ug/l	98
61) 1,2-Dibromoethane	10.77	107	716894	53.012	ug/l	100
64) Tetrachloroethene	10.26	164	893742	53.330	ug/l	99
65) Chlorobenzene	11.32	112	2139635	51.690	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	735740	53.280	ug/l	99
67) Ethyl Benzene	11.44	91	3524074	52.547	ug/l	98
68) m/p-Xylenes	11.58	106	2652539	105.855	ug/l	99
69) o-Xylene	11.94	106	1295088	52.251	ug/l	92
70) Styrene	11.97	104	2143750	51.720	ug/l	99
71) Bromoform	12.13	173	638540	57.105	ug/l	99
73) Isopropylbenzene	12.28	105	3598803	53.513	ug/l	99
74) N-amyl acetate	12.15	43	1351314	54.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	788473	53.704	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	804603	54.808	ug/l	99
77) Bromobenzene	12.55	156	1012199	51.795	ug/l	90
78) n-propylbenzene	12.65	91	4360068	52.213	ug/l	97
79) 2-Chlorotoluene	12.72	91	2414356	52.094	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	2756235	52.955	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	241020	58.429	ug/l	93
82) 4-Chlorotoluene	12.83	91	2708234	51.664	ug/l	96
83) tert-Butylbenzene	13.06	119	3098212	51.872	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	2844471	51.853	ug/l	95
85) sec-Butylbenzene	13.23	105	3711356	52.553	ug/l	97
86) p-Isopropyltoluene	13.36	119	2917648	50.370	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1756105	51.577	ug/l	98
88) 1,4-Dichlorobenzene	13.41	146	1738560	50.835	ug/l	98
89) n-Butylbenzene	13.66	91	2925868	51.767	ug/l	97
90) Hexachloroethane	13.87	117	763353	56.943	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	1443344	50.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	109600	55.909	ug/l	78

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1287794	52.996	ug/l	97
94) Hexachlorobutadiene	14.89	225	836052	51.760	ug/l	100
95) Naphthalene	14.98	128	1924672	53.434	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	1087167	51.430	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

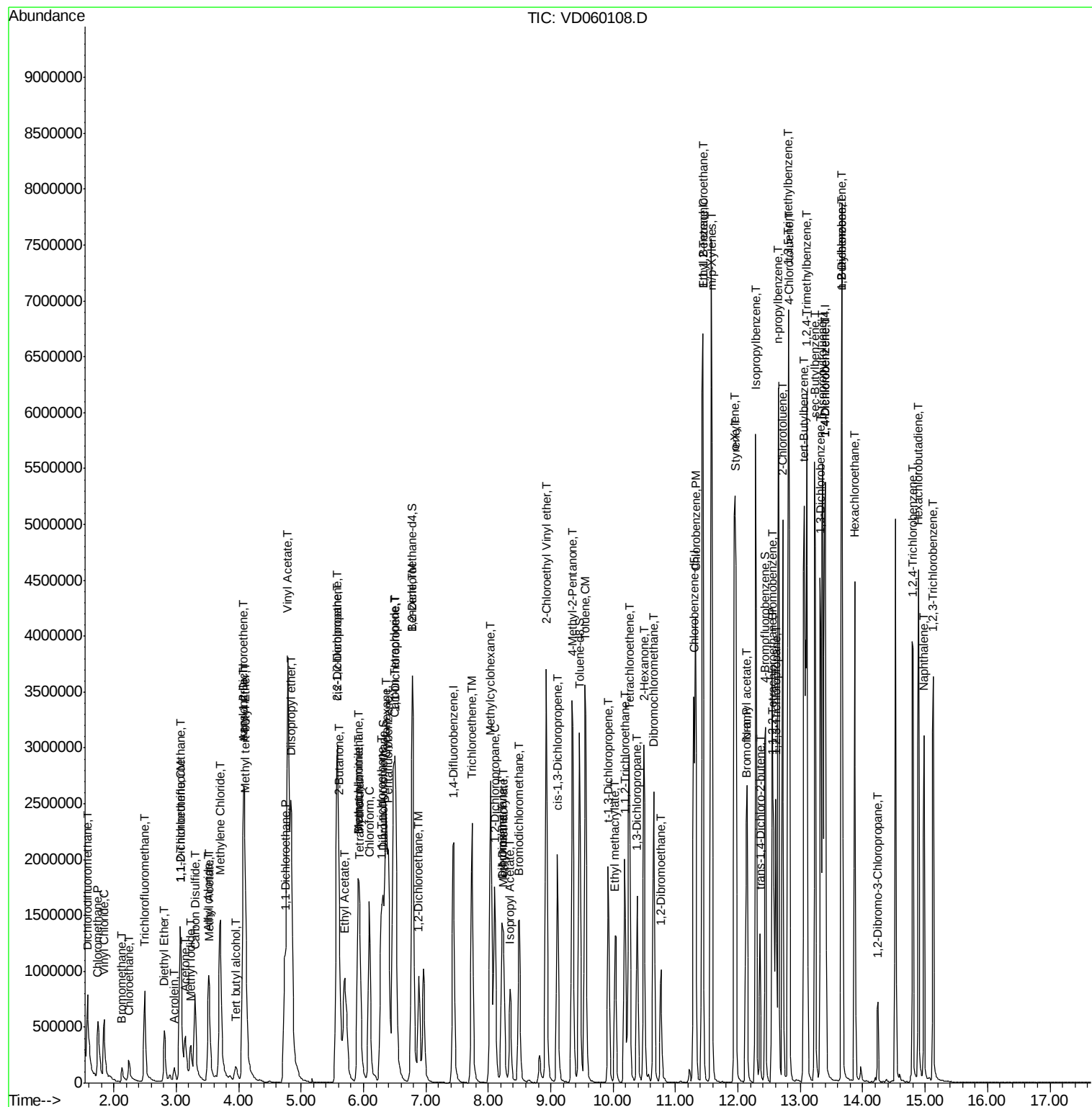
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 Data File : VD060108.D
 Acq On : 2 Oct 2018 11:05
 Operator : VA/AP
 Sample : VSTCCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

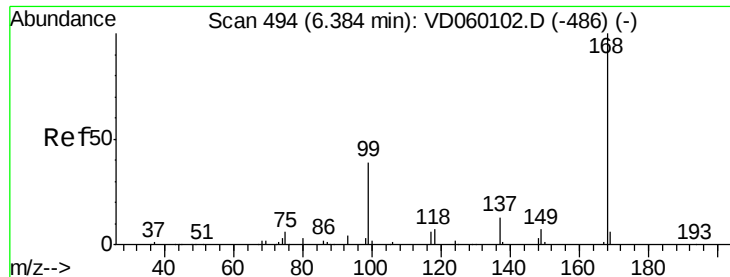
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTCCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1767160

Ion Ratio Lower Upper

168 100

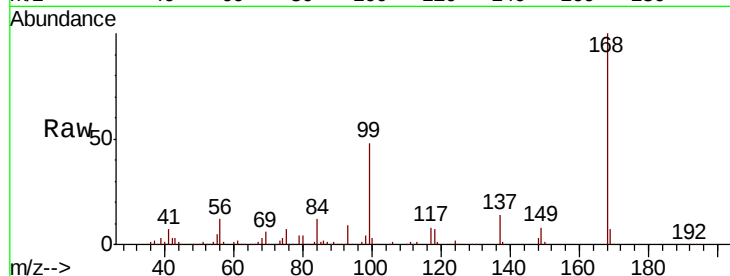
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Manual Integrations

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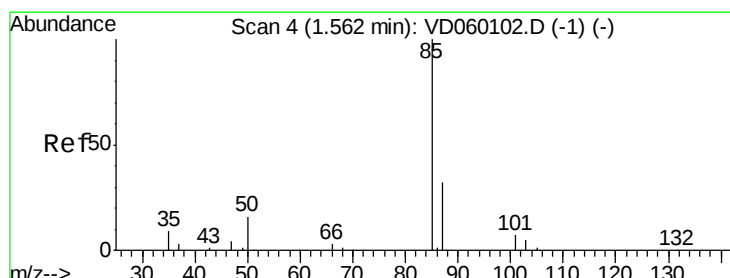
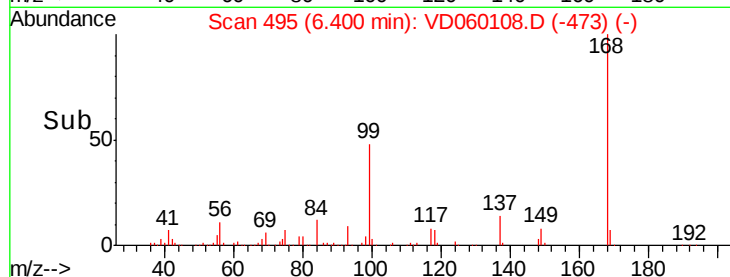
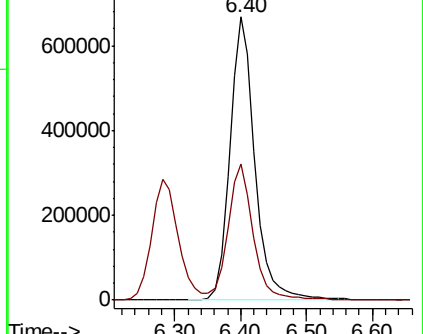
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.167 ug/l m

RT: 1.58 min Scan# 5

Delta R.T. 0.02 min

Lab File: VD060108.D

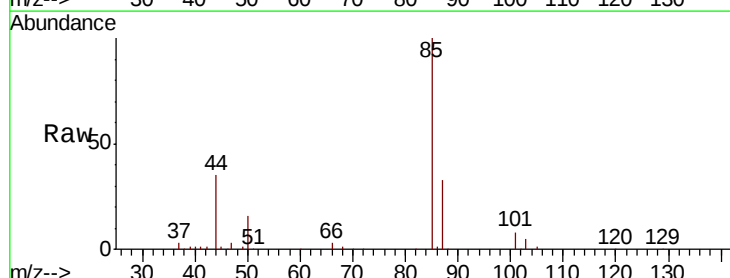
Acq: 2 Oct 2018 11:05

Tgt Ion: 85 Resp: 883803

Ion Ratio Lower Upper

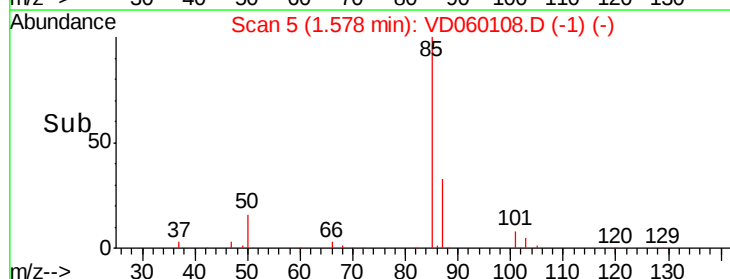
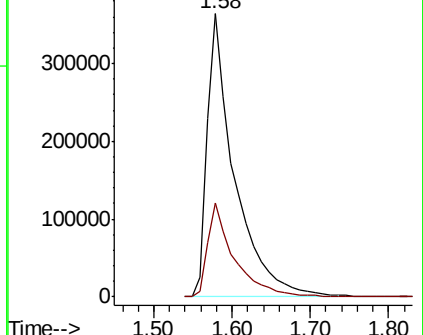
85 100

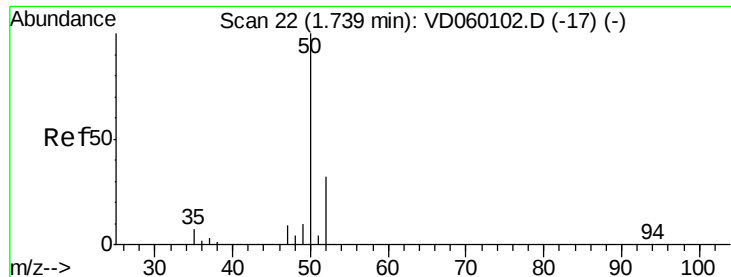
87 33.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.431 ug/l

RT: 1.75 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 830877

Ion Ratio Lower Upper

50 100

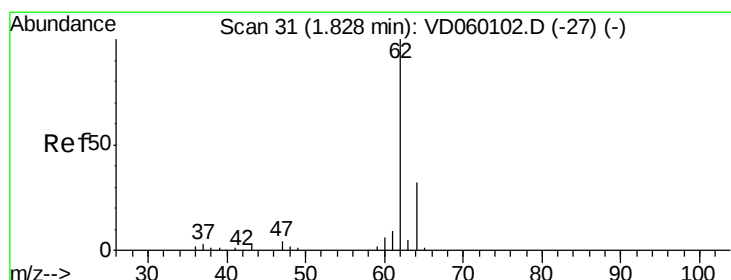
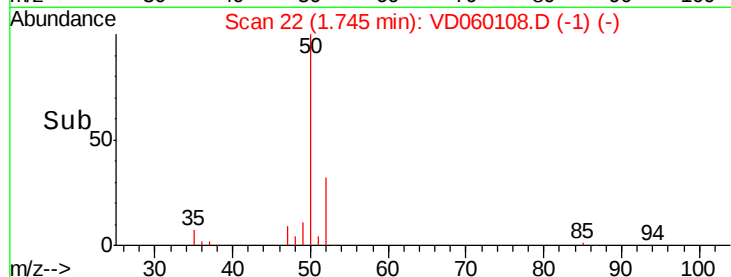
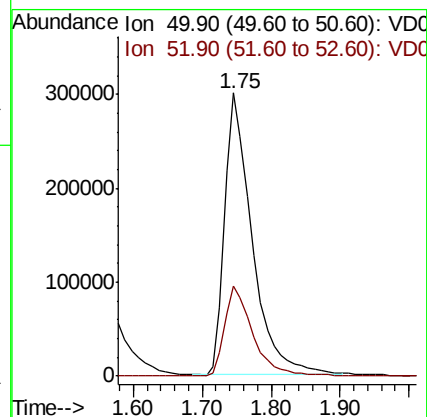
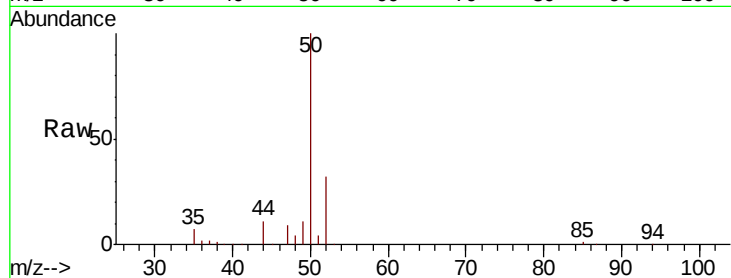
52 31.7 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.626 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.02 min

Lab File: VD060108.D

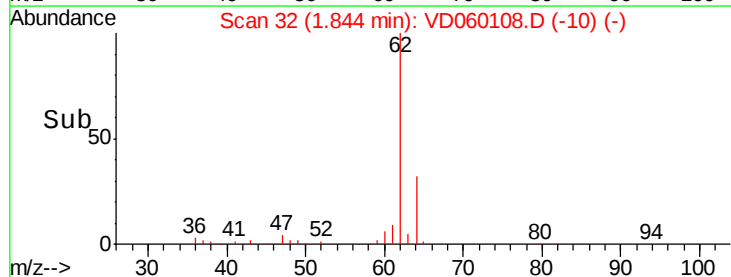
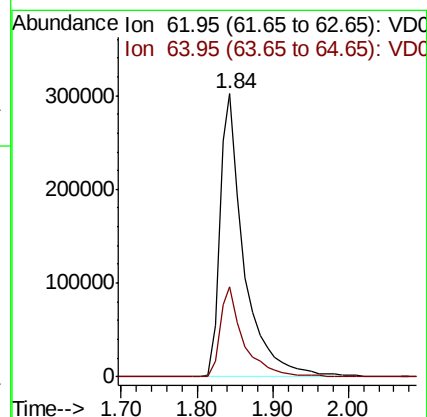
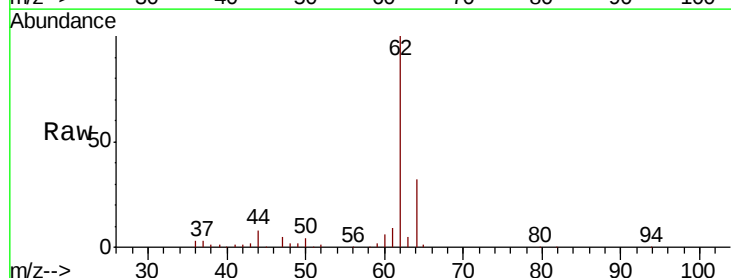
Acq: 2 Oct 2018 11:05

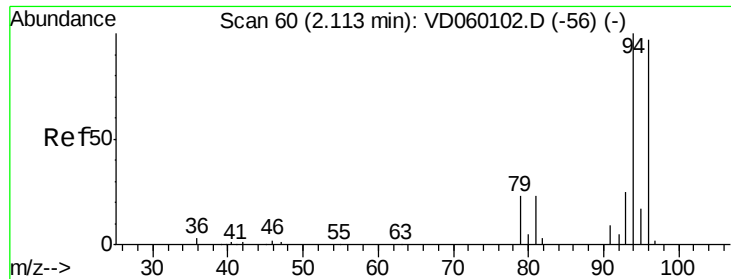
Tgt Ion: 62 Resp: 670089

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 69.921 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 107698

Ion Ratio Lower Upper

94 100

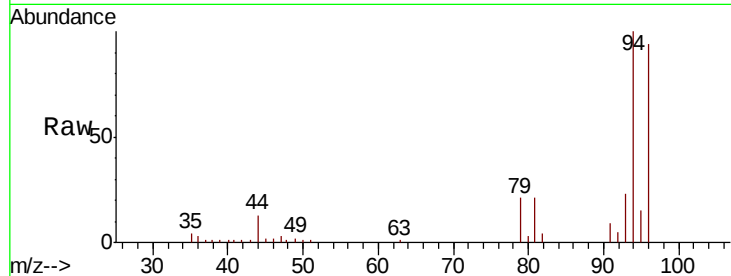
96 94.3 77.4 116.2

Manual Integrations

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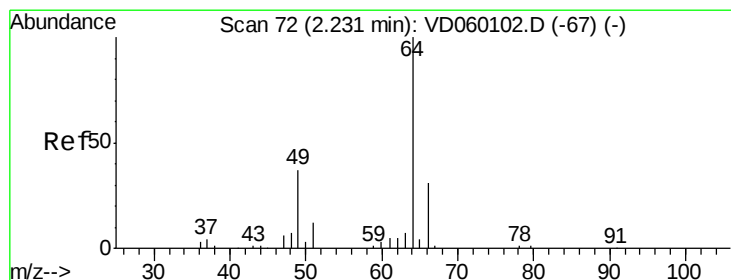
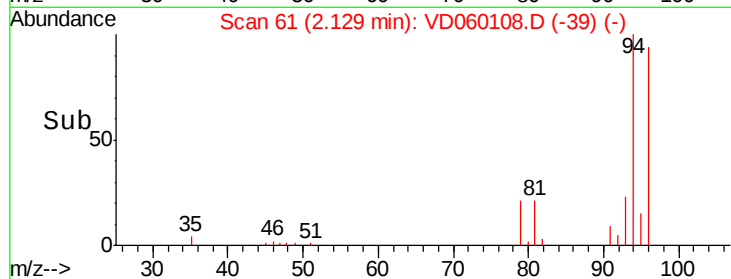
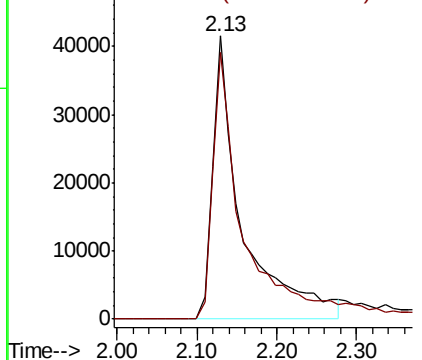
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.850 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060108.D

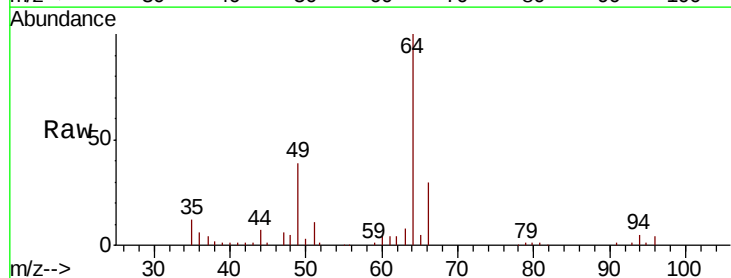
Acq: 2 Oct 2018 11:05

Tgt Ion: 64 Resp: 200349

Ion Ratio Lower Upper

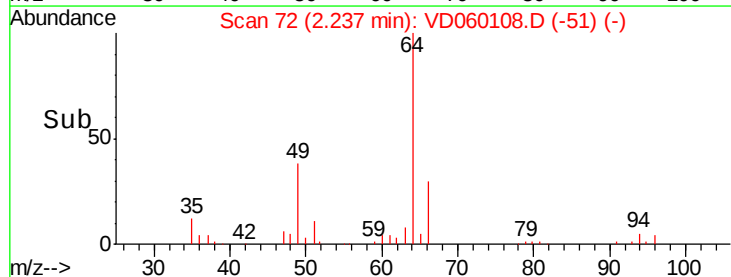
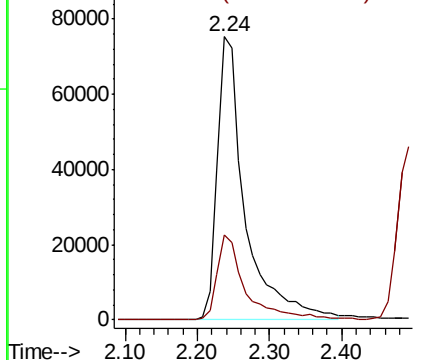
64 100

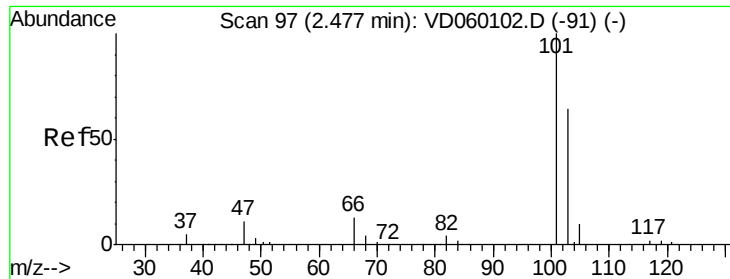
66 29.8 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 52.885 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 776789

Ion Ratio Lower Upper

101 100

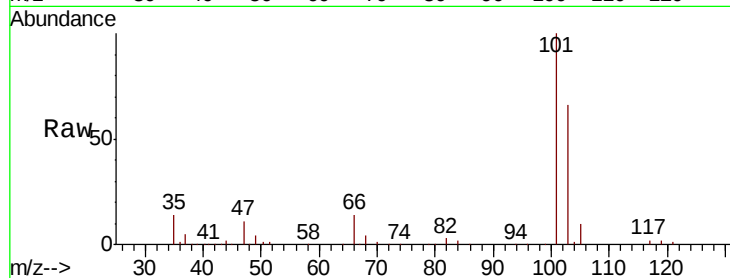
103 66.4 51.5 77.3

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

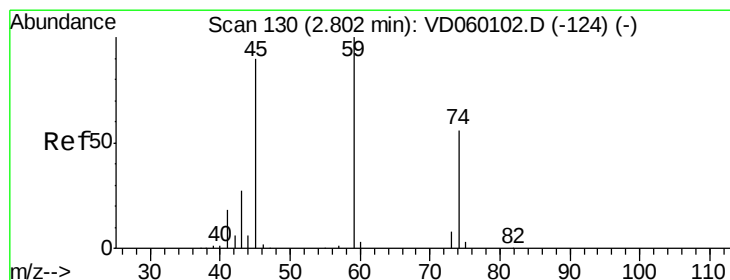
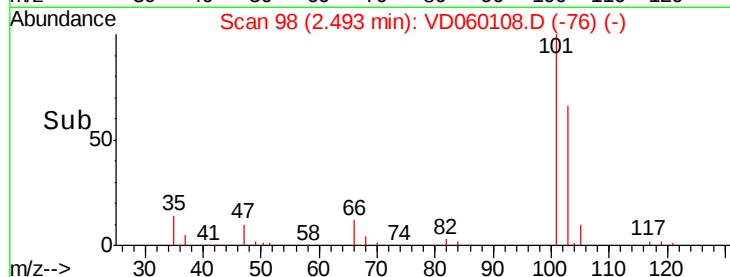
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200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 56.533 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060108.D

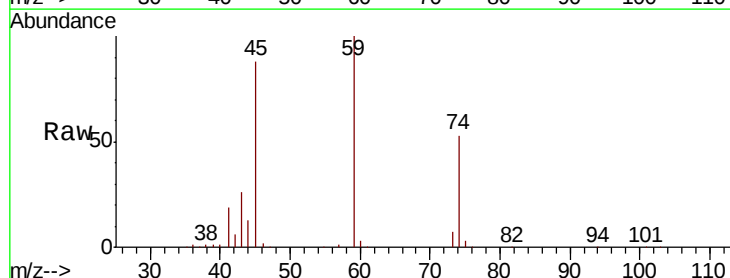
Acq: 2 Oct 2018 11:05

Tgt Ion: 74 Resp: 170748

Ion Ratio Lower Upper

74 100

45 165.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

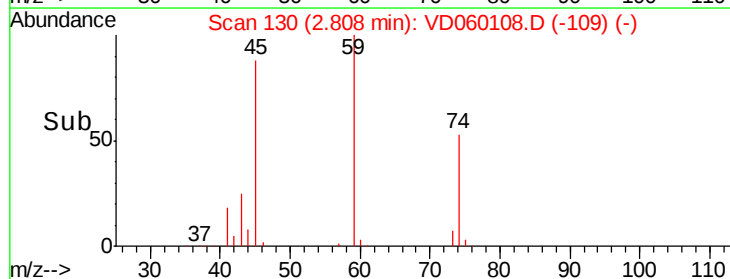
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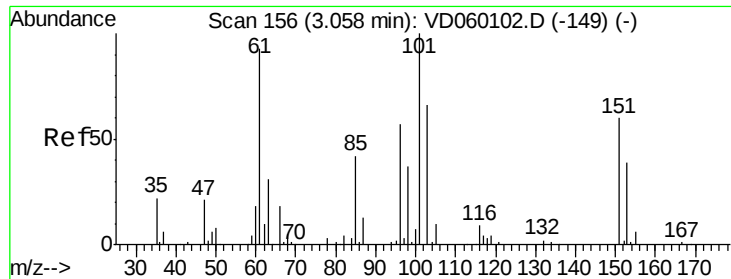
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.359 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

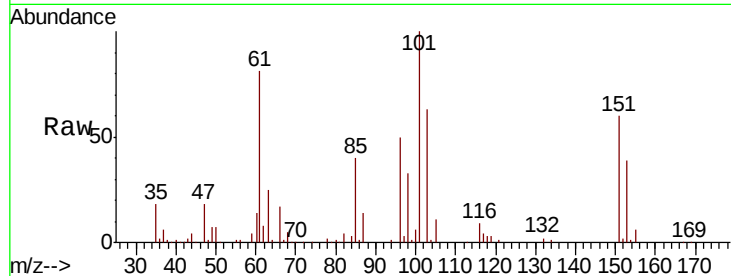
ClientSampleId :

VSTDCCC050

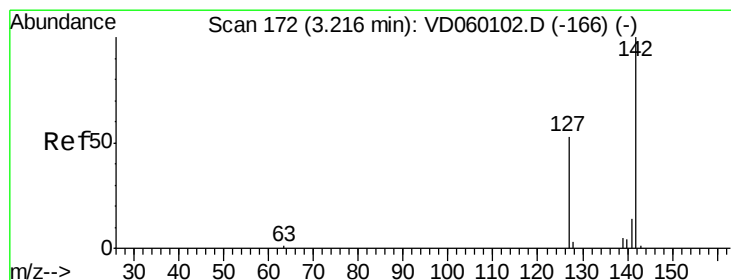
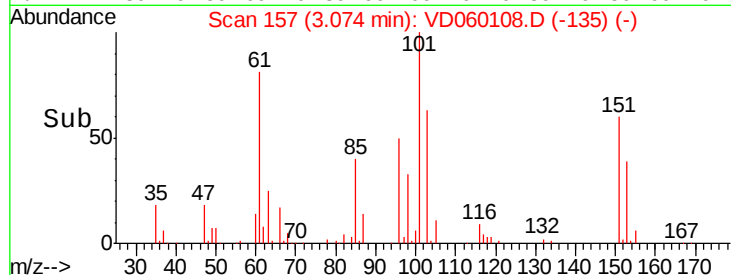
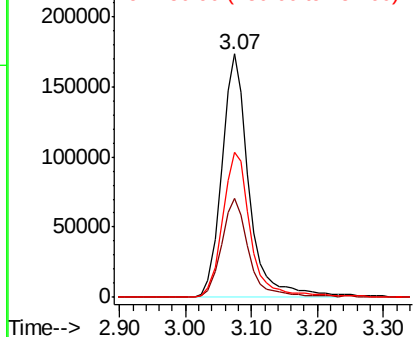
Tot Ion:	101	Resp:	497411
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.0
151	59.7	48.0	72.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 55.451 ug/l

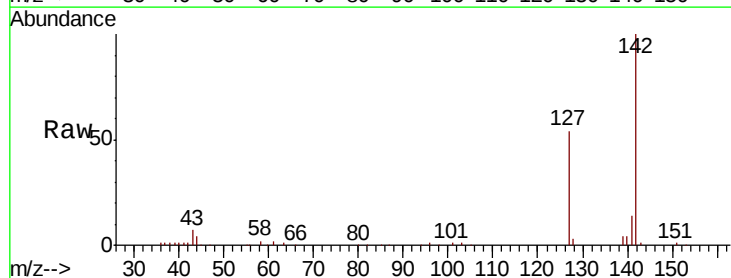
RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

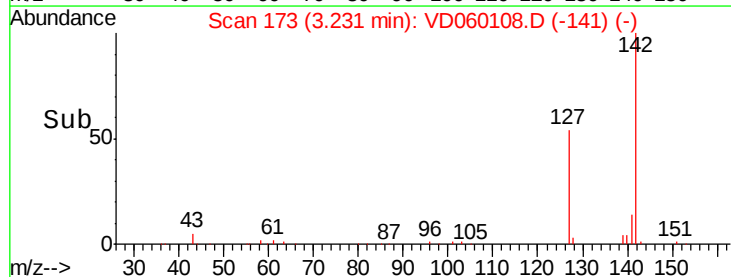
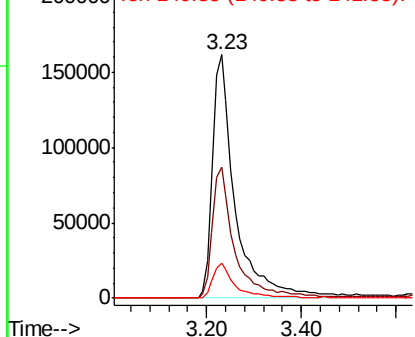
Lab File: VD060108.D

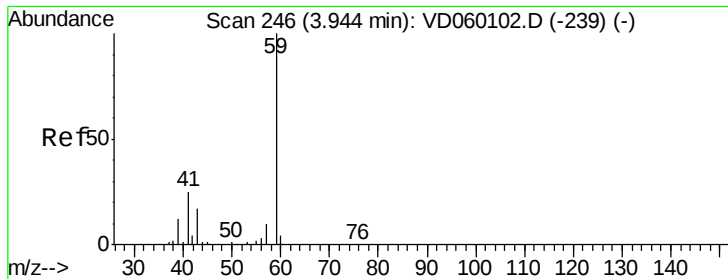
Acq: 2 Oct 2018 11:05

Tgt Ion:	142	Resp:	538084
Ion Ratio	Lower	Upper	
142	100		
127	53.9	42.0	63.0
141	14.3	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

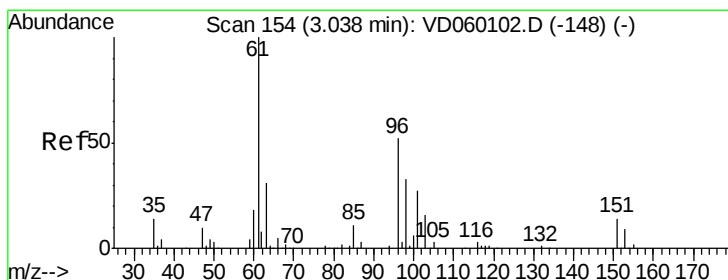
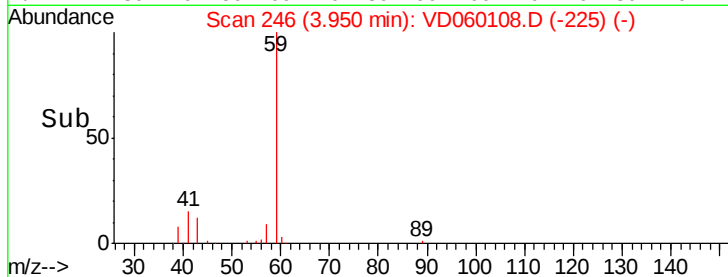
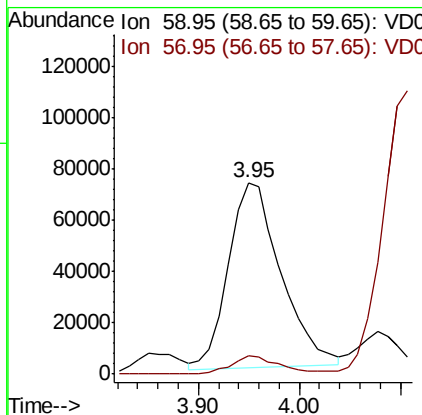
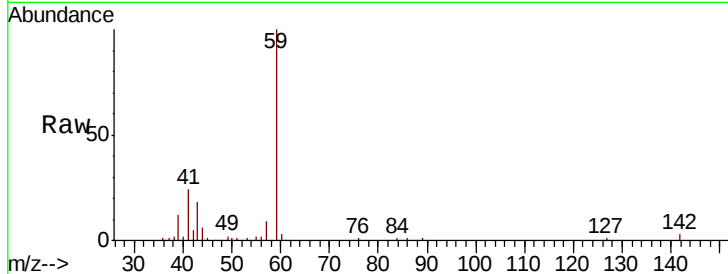
Tert butyl alcohol
 Concen: 274.859 ug/l
 RT: 3.95 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.8	11.6

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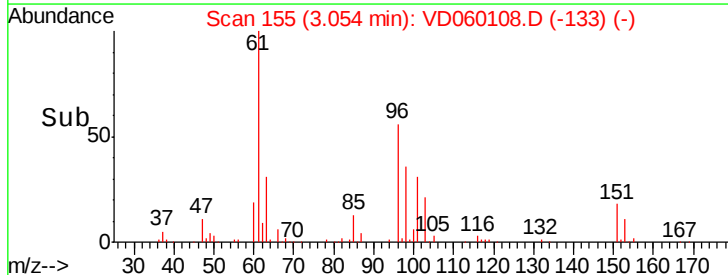
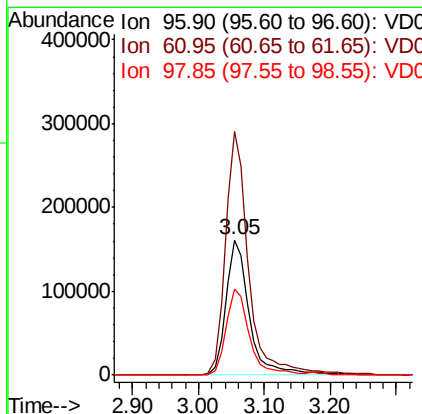
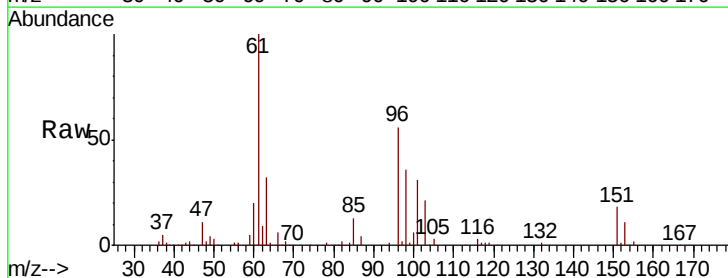
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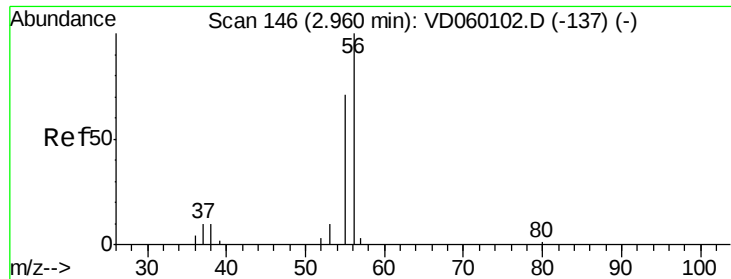


#12

1,1-Dichloroethene
 Concen: 55.778 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.2	153.0	229.4
98	64.0	51.1	76.7





#13

Acrolein

Concen: 236.016 ug/l

RT: 2.97 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 139773

Ion Ratio Lower Upper

56 100

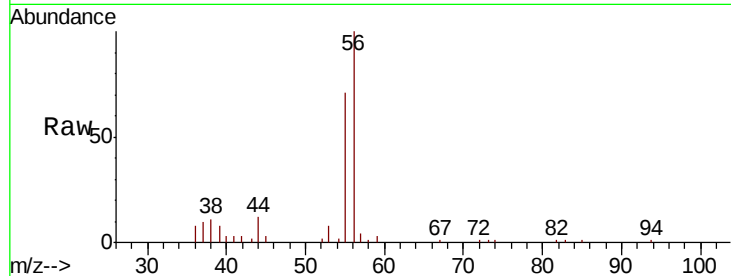
55 70.9 57.4 86.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

60000

50000

40000

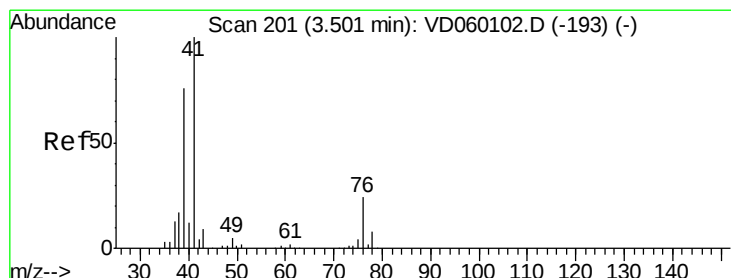
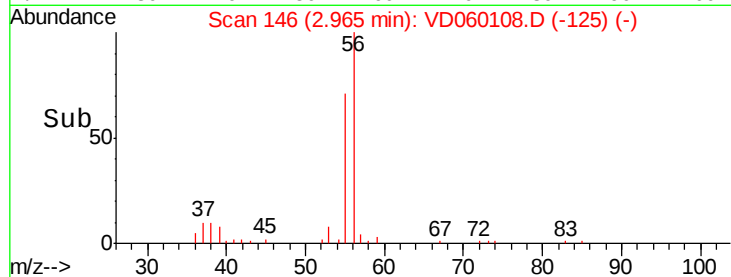
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 55.047 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

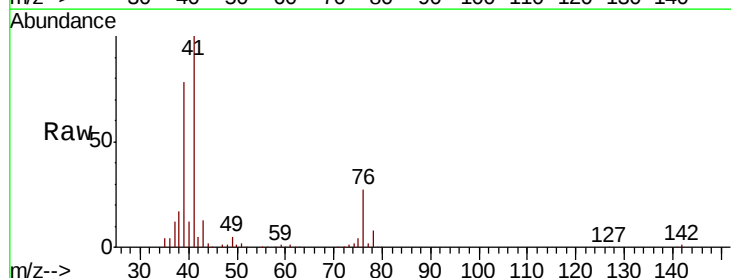
Tgt Ion: 41 Resp: 824152

Ion Ratio Lower Upper

41 100

39 78.2 60.6 90.8

76 27.2 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

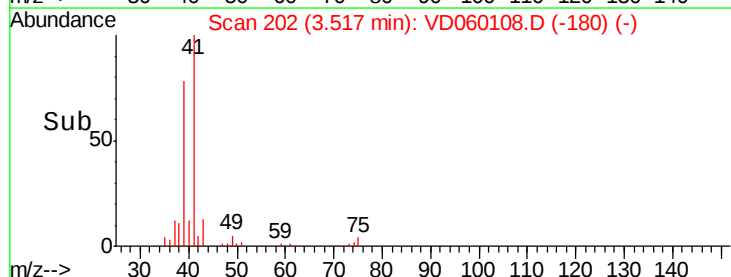
300000

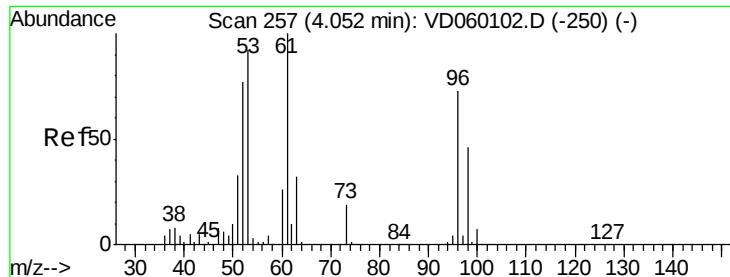
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 258.890 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1029460

Ion Ratio Lower Upper

53 100

52 85.0 67.5 101.3

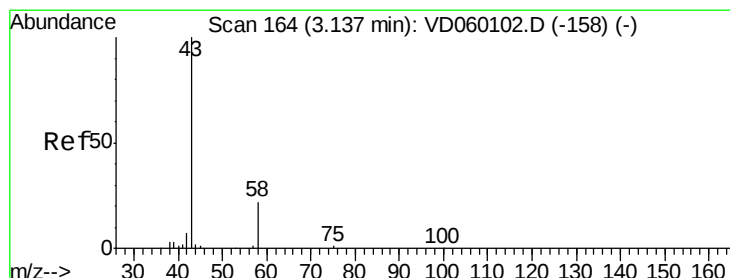
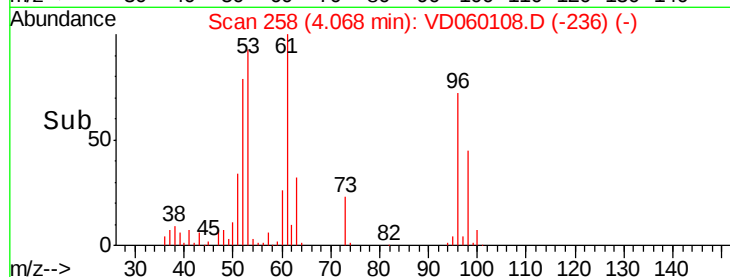
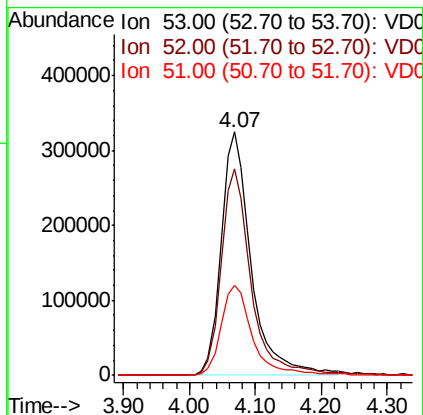
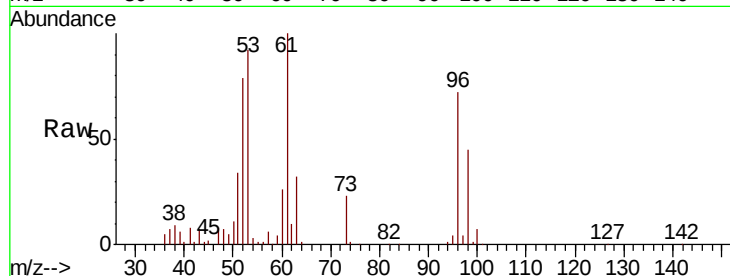
51 37.1 29.3 43.9

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#16

Acetone

Concen: 296.931 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060108.D

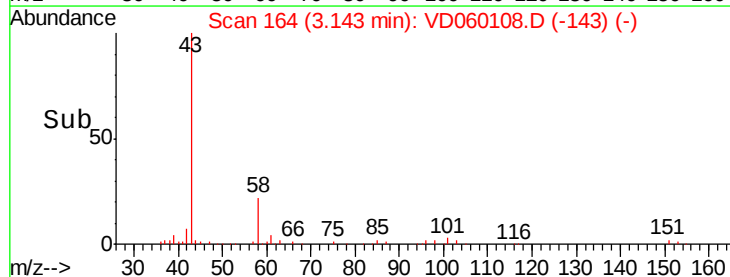
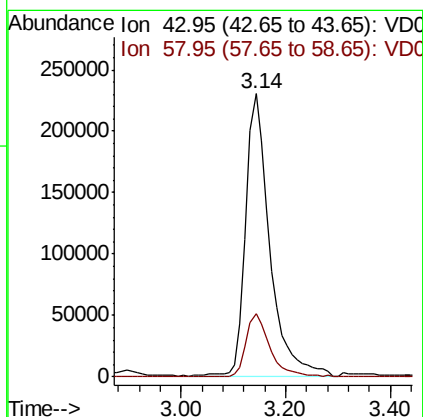
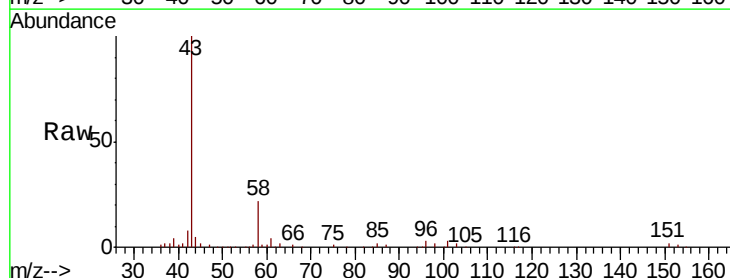
Acq: 2 Oct 2018 11:05

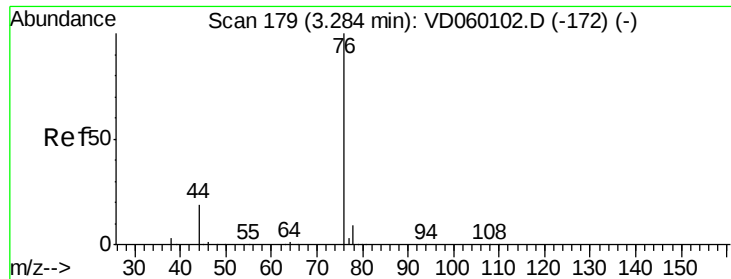
Tgt Ion: 43 Resp: 721729

Ion Ratio Lower Upper

43 100

58 22.2 17.7 26.5





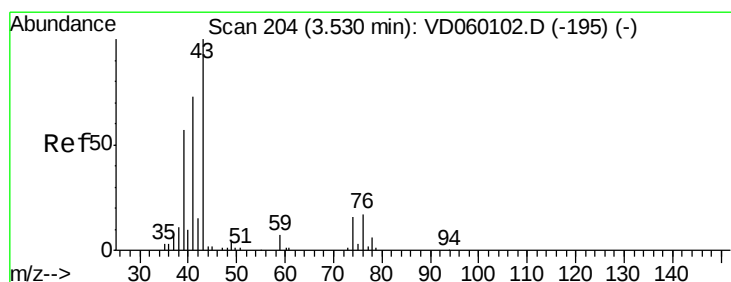
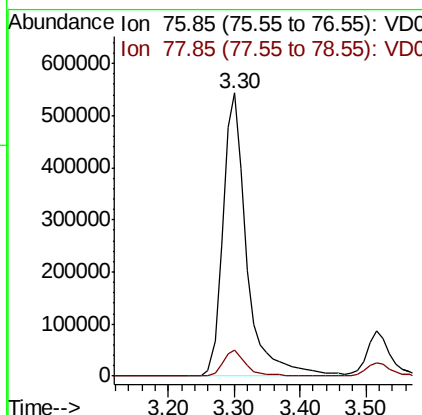
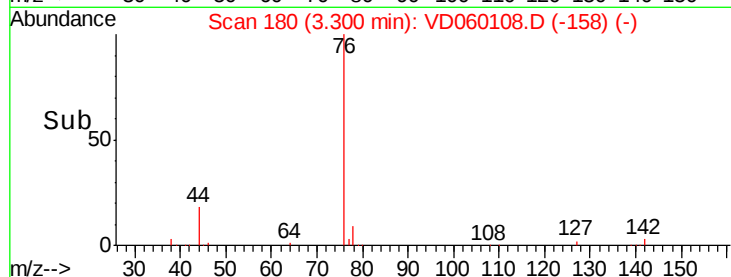
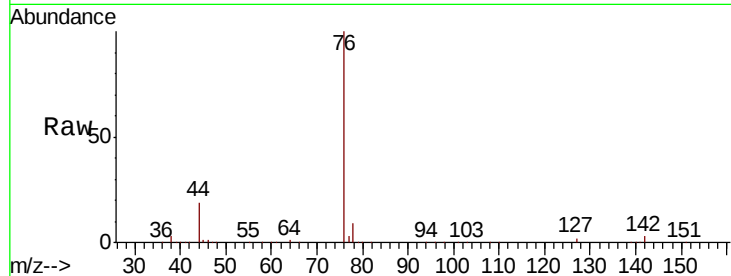
#17
Carbon Disulfide
Concen: 56.662 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1373566
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

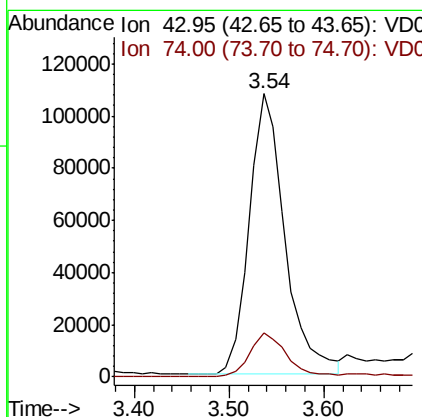
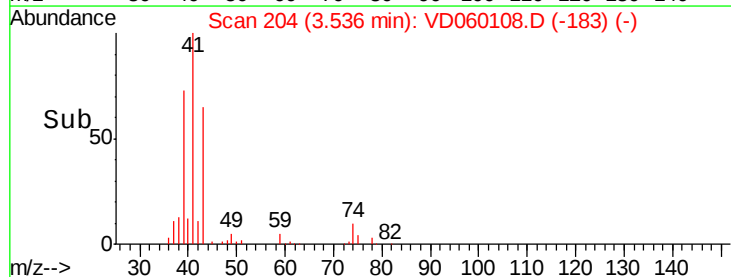
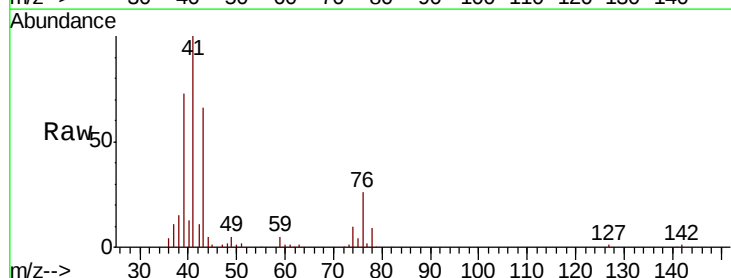
Manual Integrations
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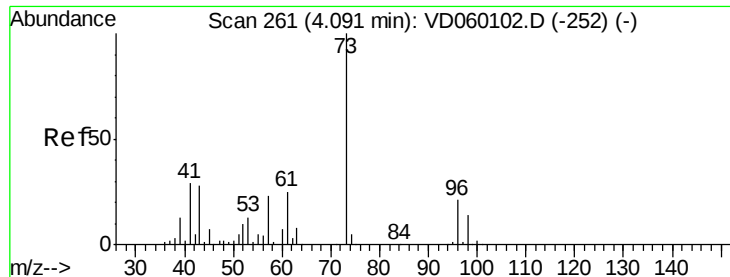
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#18
Methyl Acetate
Concen: 54.066 ug/l
RT: 3.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 43 Resp: 282456
Ion Ratio Lower Upper
43 100
74 15.6 12.6 19.0





#19

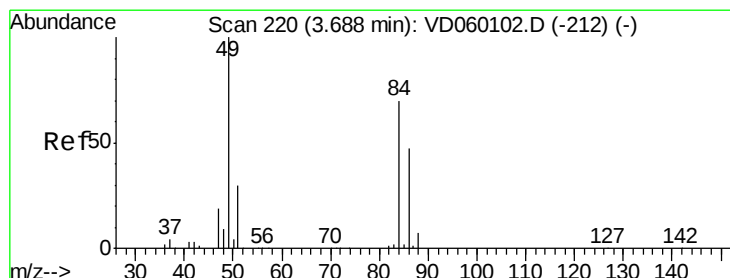
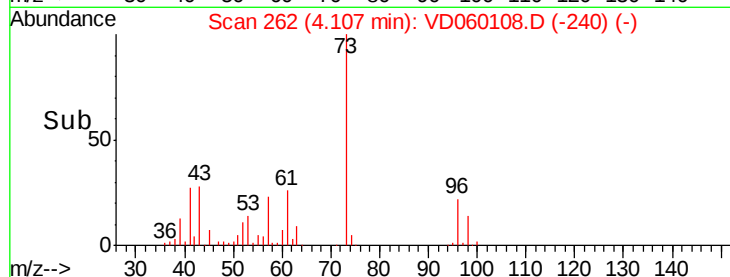
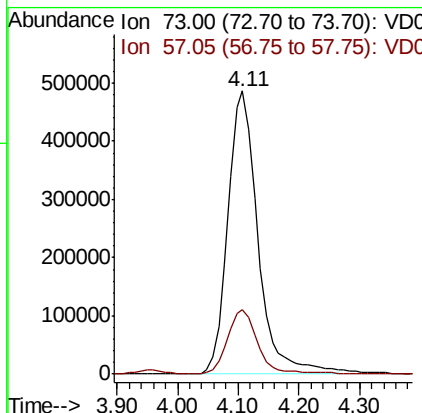
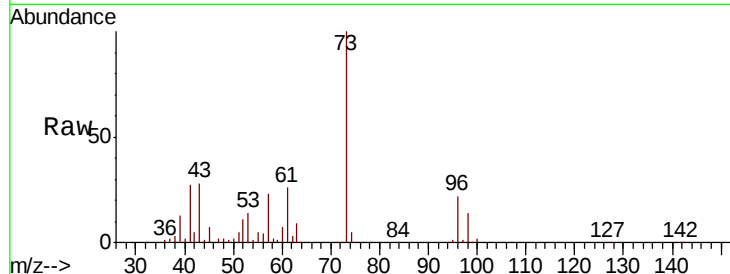
Methyl tert-butyl Ether
 Concen: 52.901 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

Tot Ion: 73 Resp: 1676678
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.7 28.1

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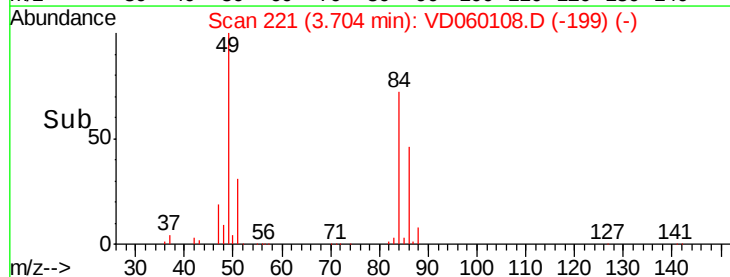
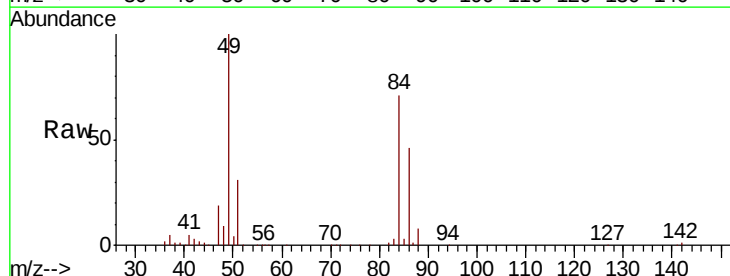
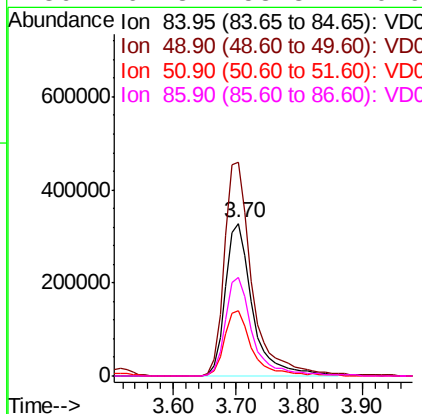
apatel
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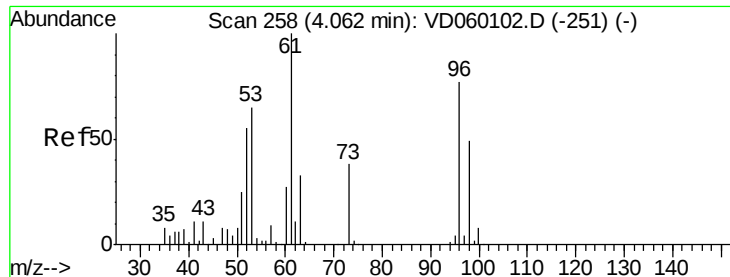


#20

Methylene Chloride
 Concen: 51.440 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 84 Resp: 981795
 Ion Ratio Lower Upper
 84 100
 49 140.1 114.6 172.0
 51 42.8 33.8 50.8
 86 64.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 50.849 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 946710

Ion Ratio Lower Upper

96 100

61 129.8 103.3 154.9

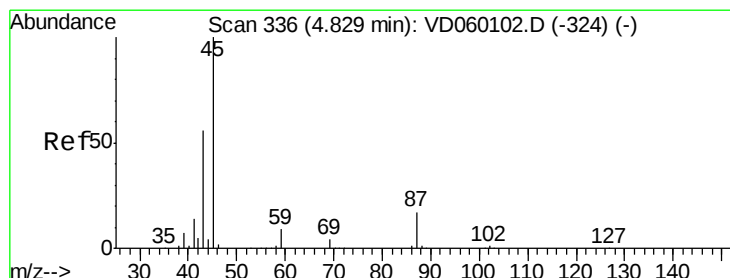
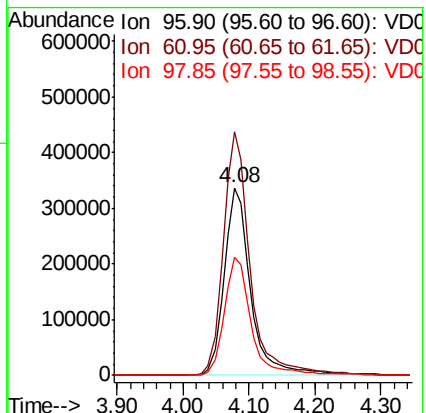
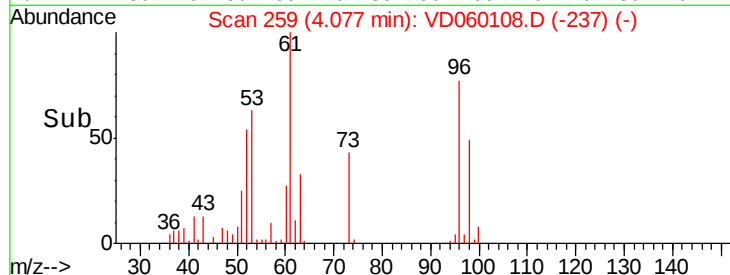
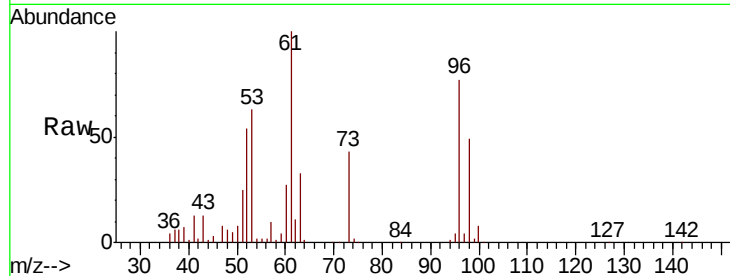
98 63.2 50.4 75.6

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#22

Diisopropyl ether

Concen: 51.713 ug/l

RT: 4.84 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tgt Ion: 45 Resp: 3457723

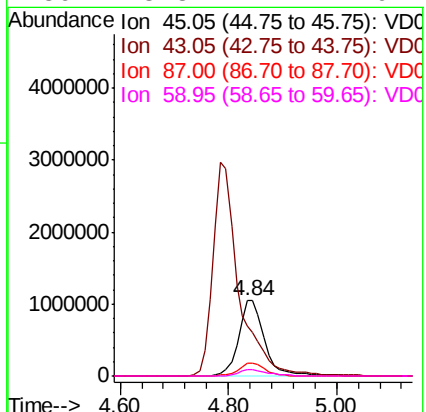
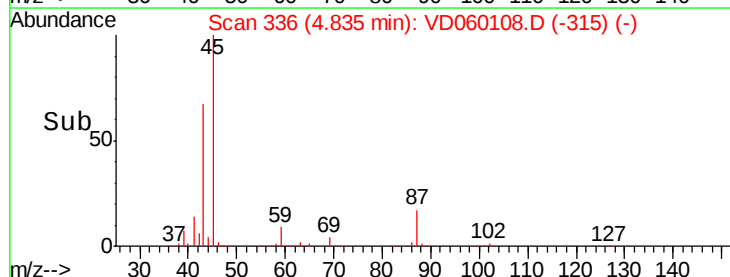
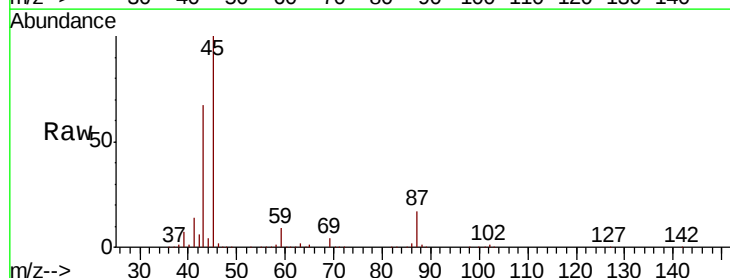
Ion Ratio Lower Upper

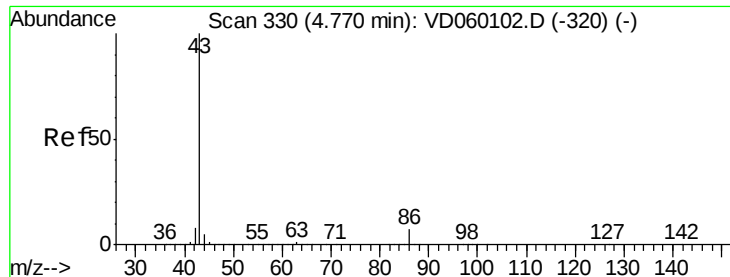
45 100

43 66.9 44.8 67.2

87 16.6 13.9 20.9

59 8.8 7.1 10.7





#23

Vinyl Acetate

Concen: 260.294 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9782891

Ion Ratio Lower Upper

43 100

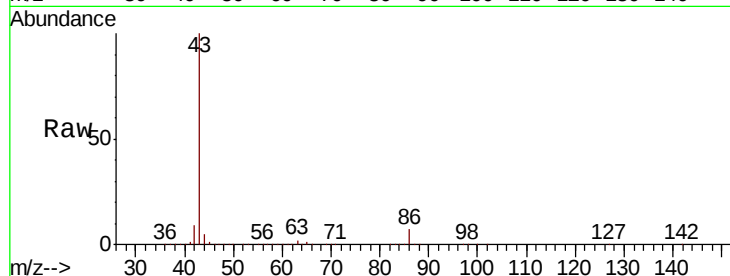
86 6.9 5.6 8.4

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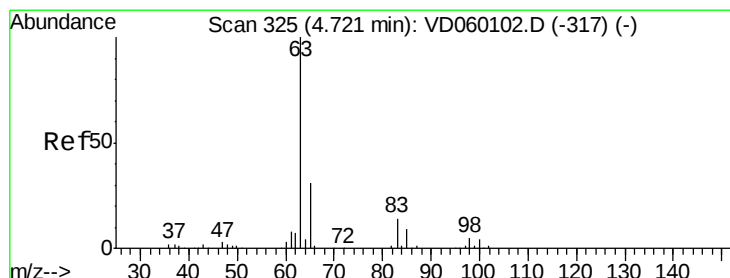
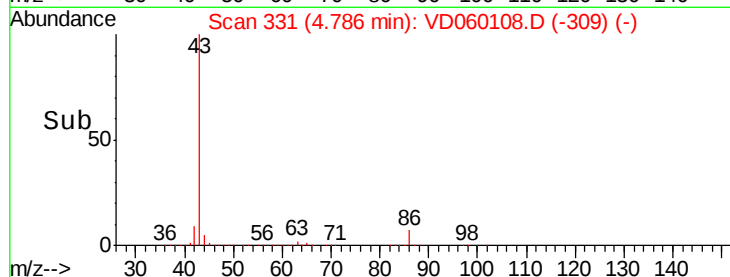
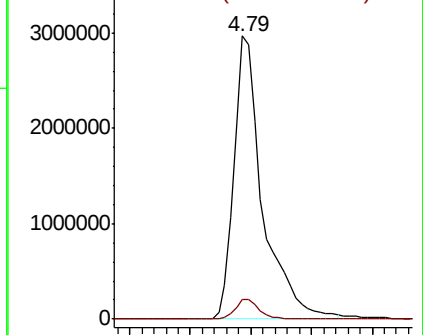
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.176 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

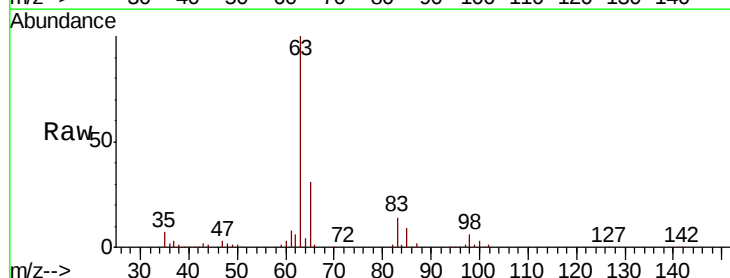
Tgt Ion: 63 Resp: 1581784

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

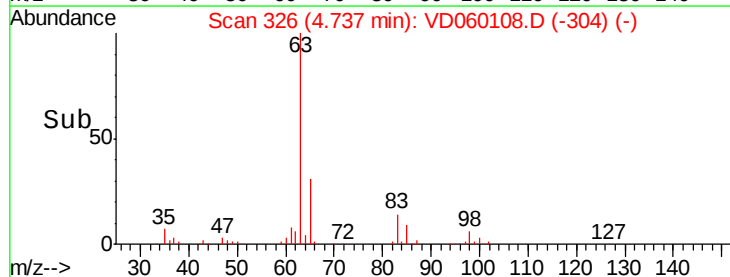
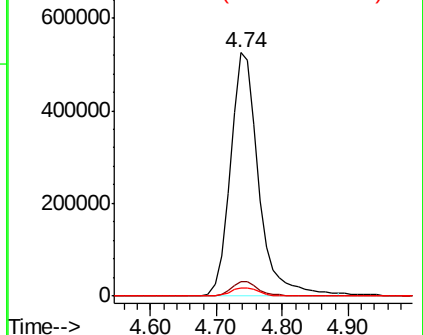
100 3.5 1.8 5.3

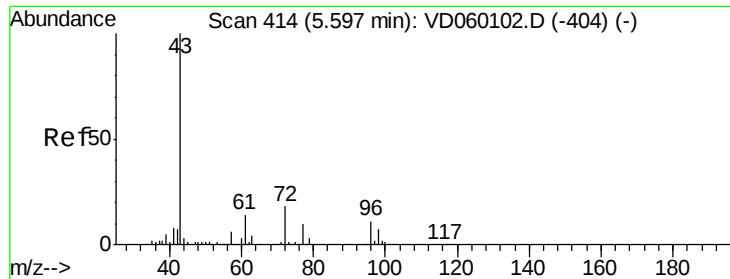


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.799 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1686882

Ion Ratio Lower Upper

43 100

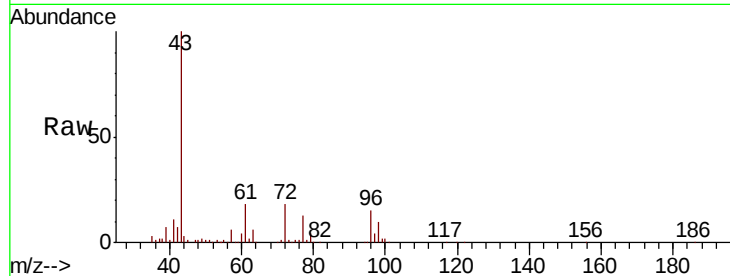
72 17.6 14.5 21.7

Manual Integrations

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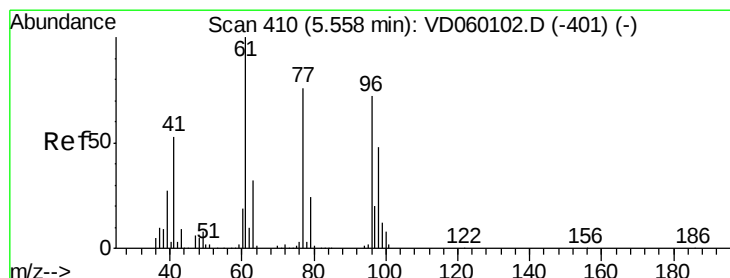
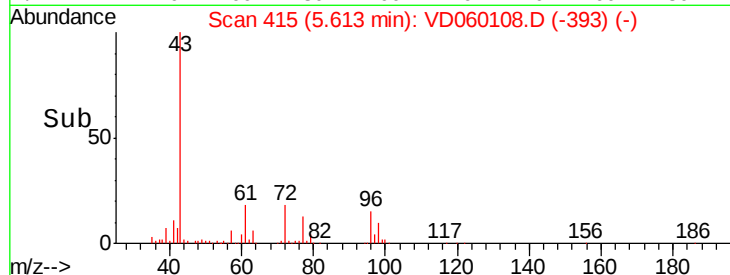
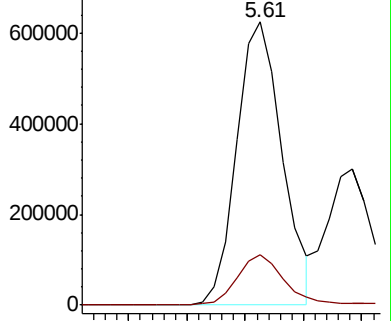
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.759 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060108.D

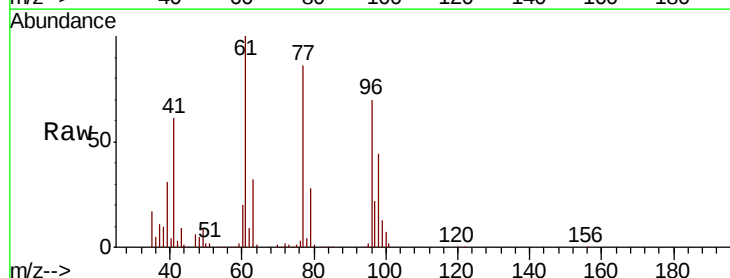
Acq: 2 Oct 2018 11:05

Tgt Ion: 77 Resp: 1258494

Ion Ratio Lower Upper

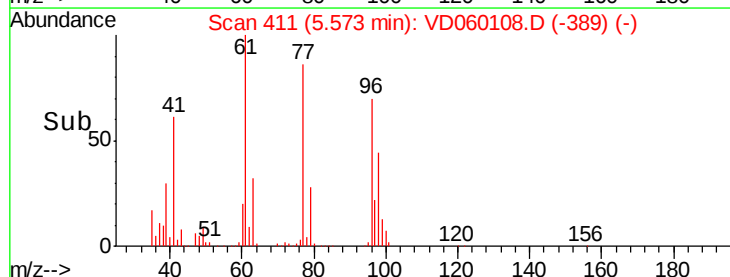
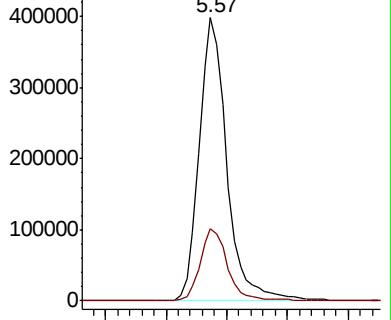
77 100

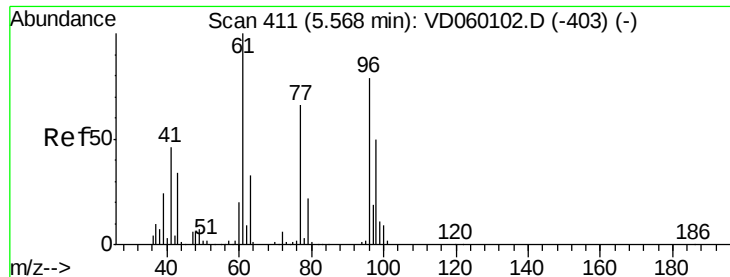
97 25.6 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

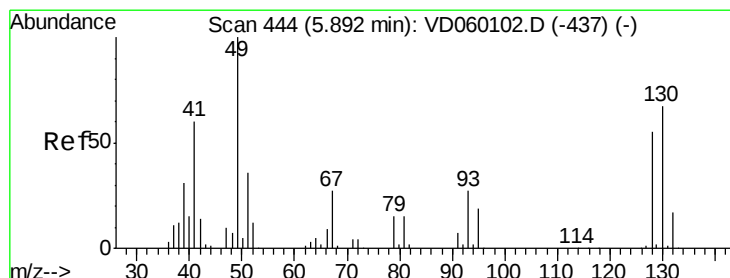
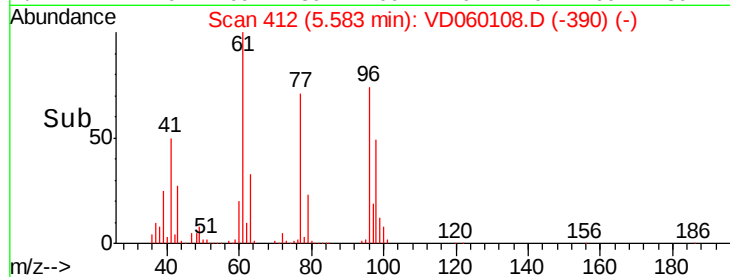
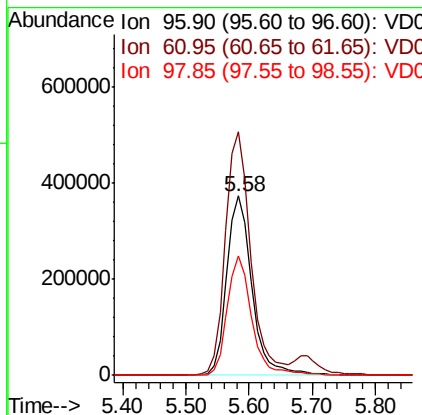
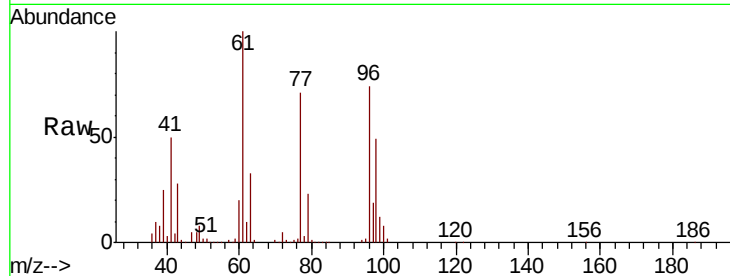
cis-1,2-Dichloroethene
 Concen: 52.197 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	251.8
98	66.3	0.0	125.2

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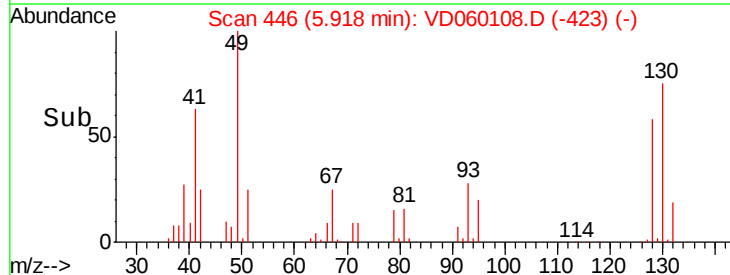
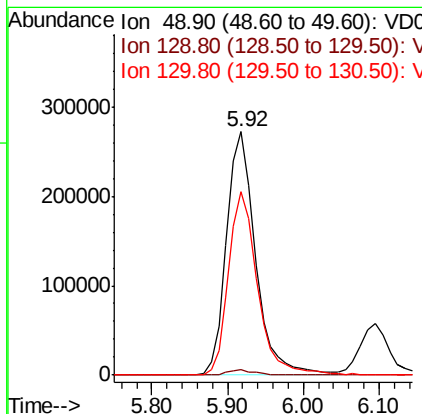
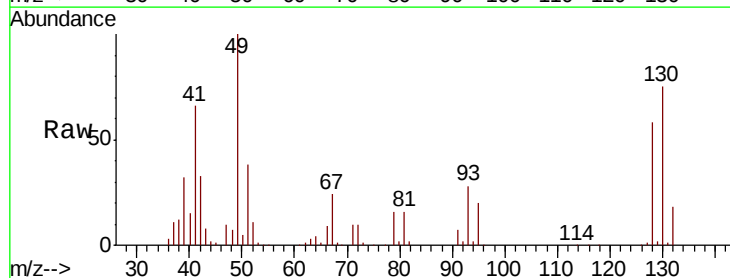
apatel
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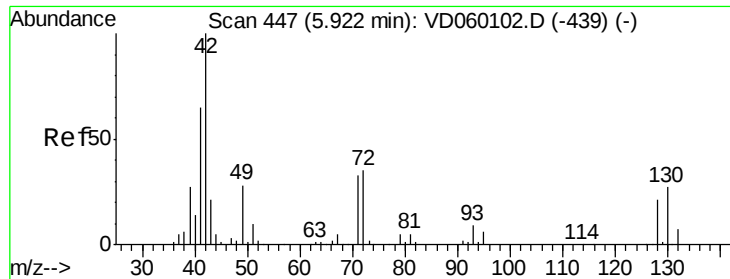


#28

Bromochloromethane
 Concen: 49.176 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	75.1	53.9	80.9





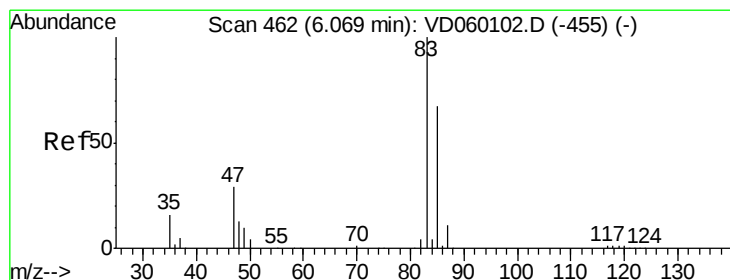
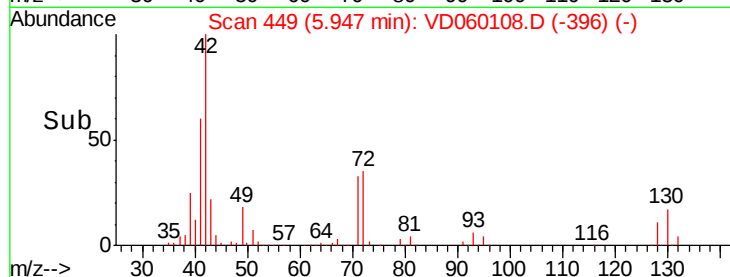
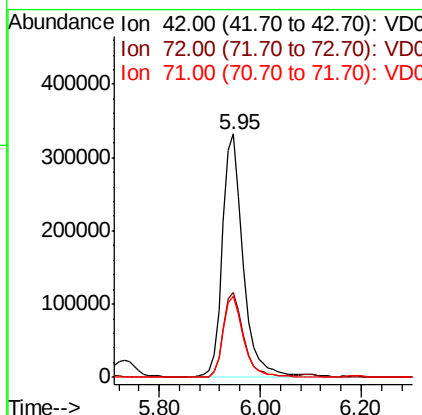
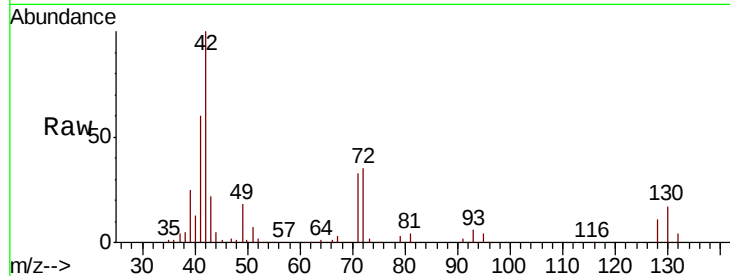
#29
Tetrahydrofuran
Concen: 268.137 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	26.9	40.3
71	32.9	26.7	40.1

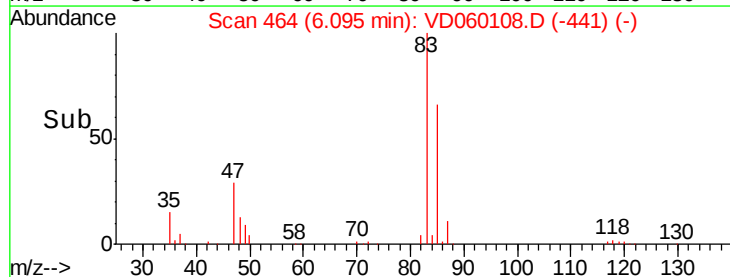
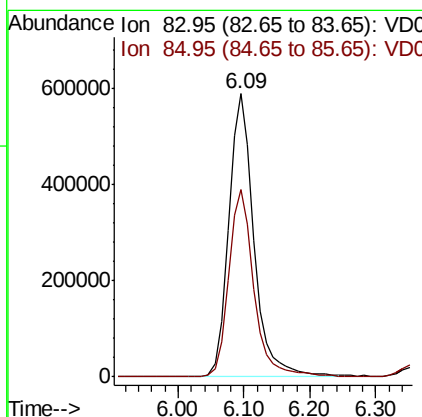
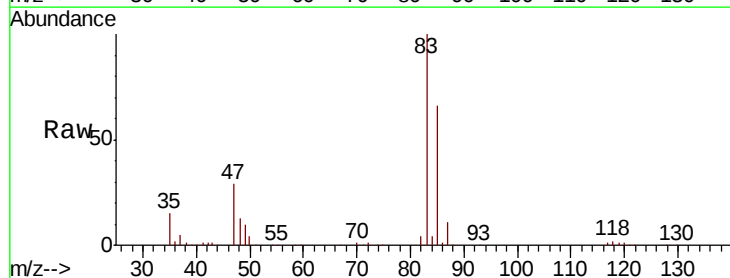
Manual Integrations
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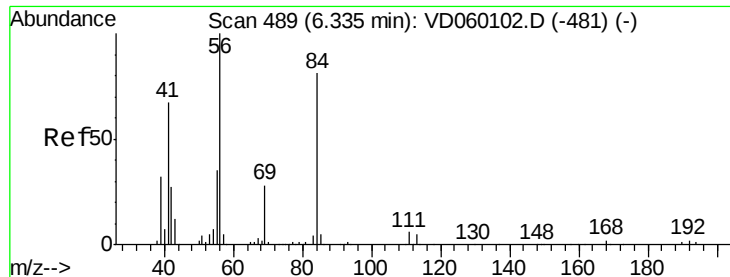
apatel
10/3/2018 12:59:48 PM



#30
Chloroform
Concen: 51.410 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.8	80.8





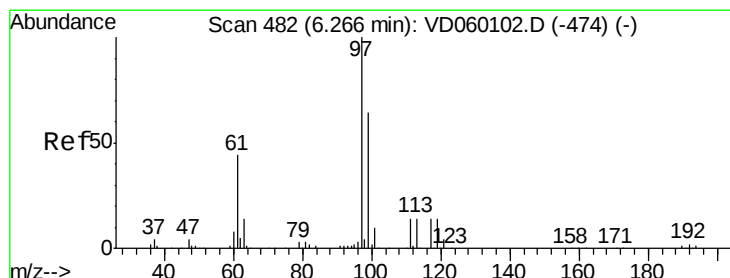
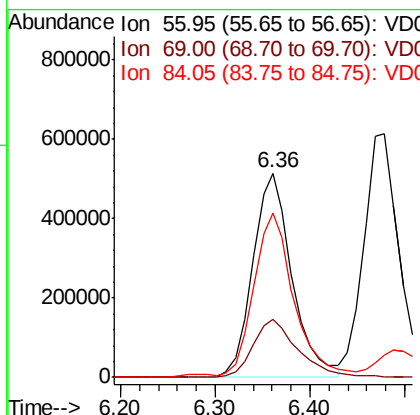
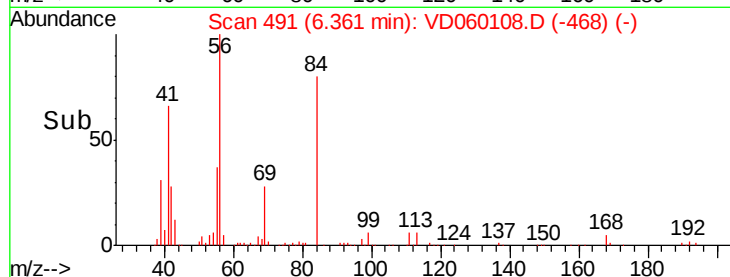
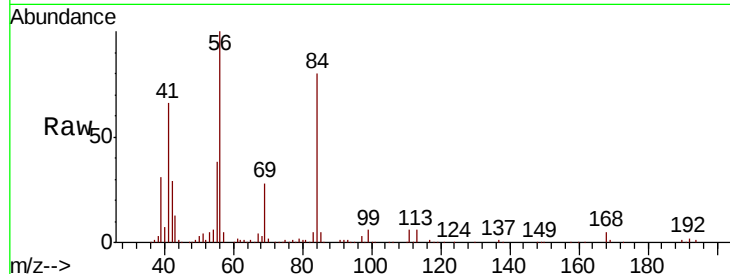
#31
Cyclohexane
Concen: 50.914 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1477547
Ion Ratio Lower Upper
56 100
69 28.2 22.8 34.2
84 80.3 64.9 97.3

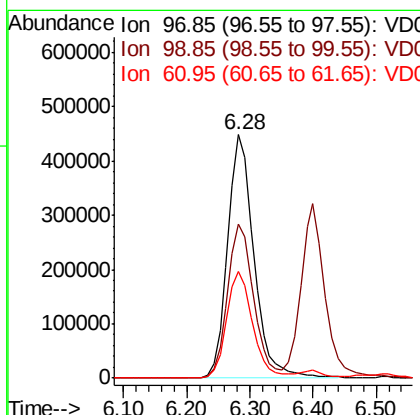
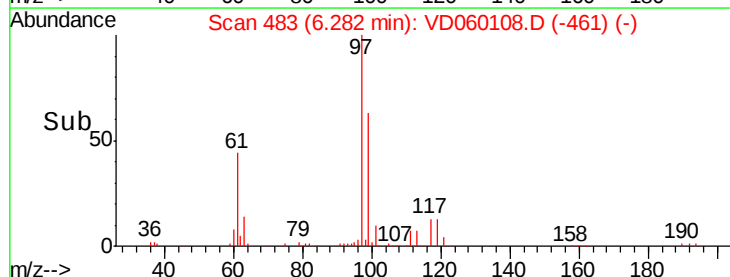
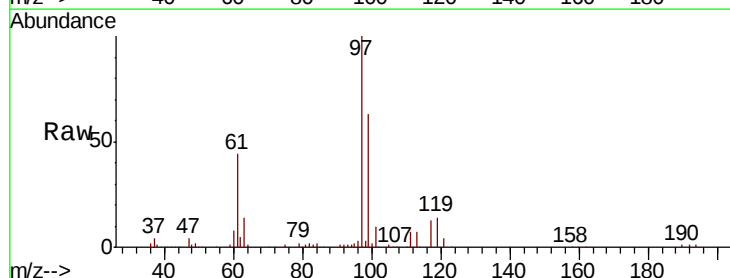
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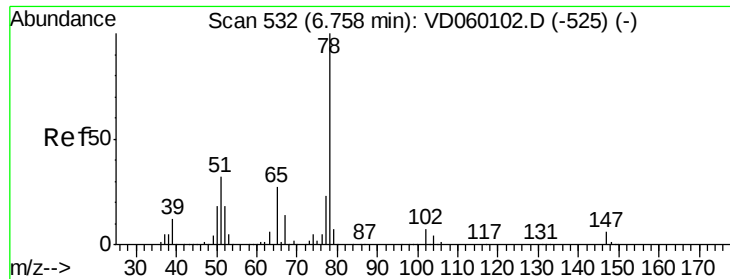
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.584 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 97 Resp: 1295999
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.0
61 43.8 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 51.584 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 673092

Ion Ratio Lower Upper

65 100

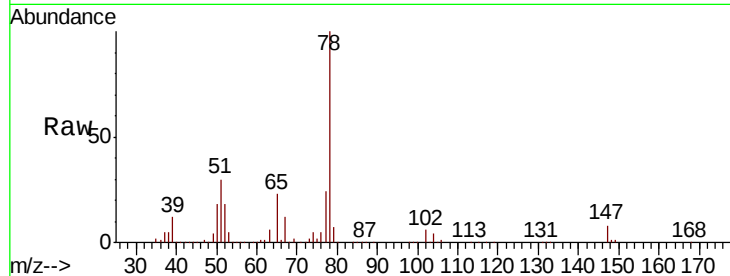
67 53.0 0.0 106.2

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

150000

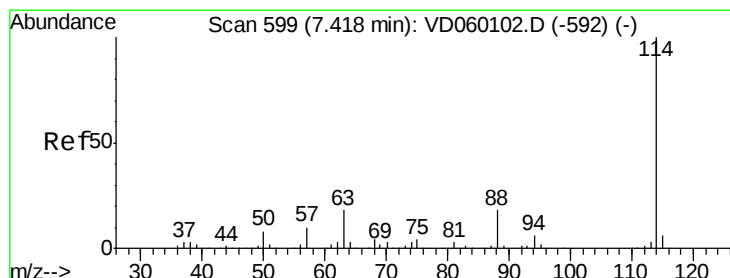
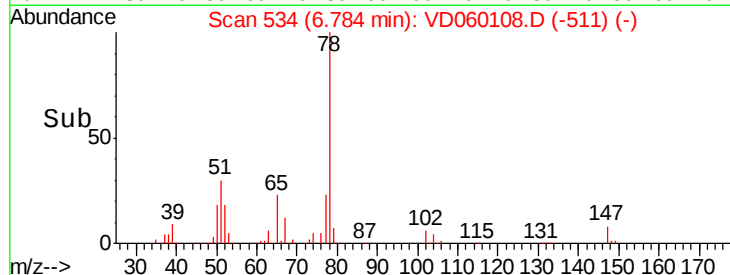
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

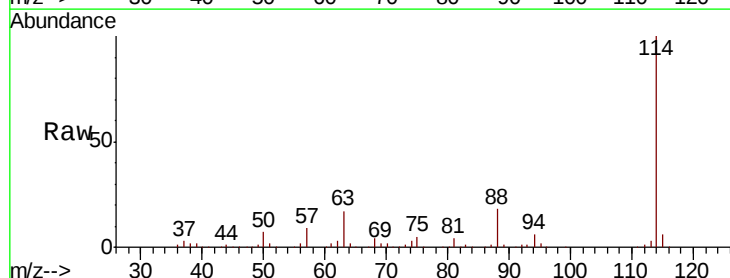
Tgt Ion: 114 Resp: 2418056

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.0

88 17.6 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

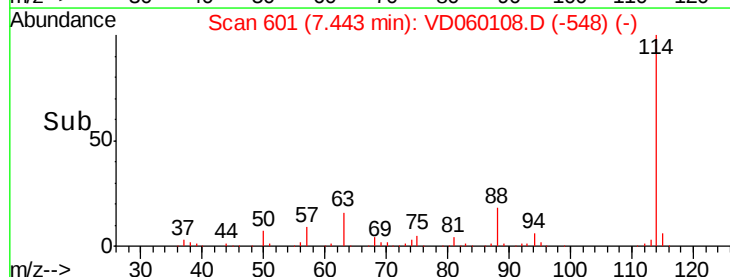
400000

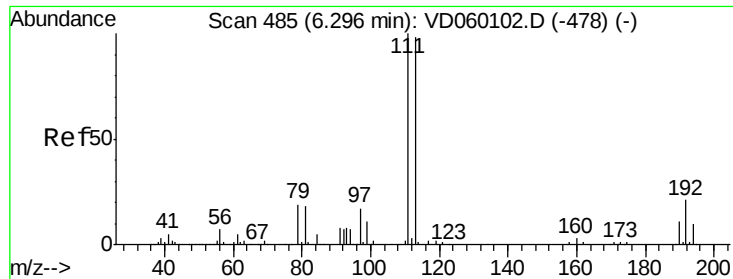
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->





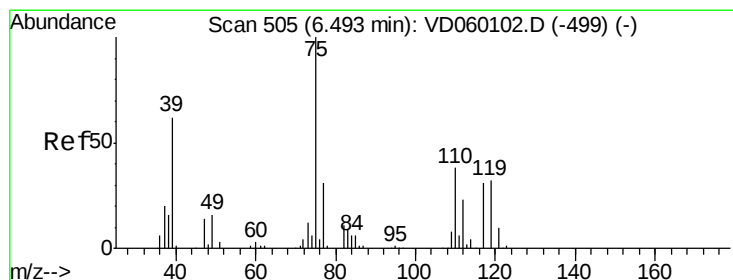
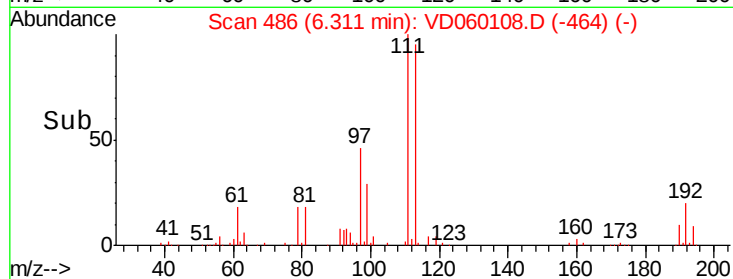
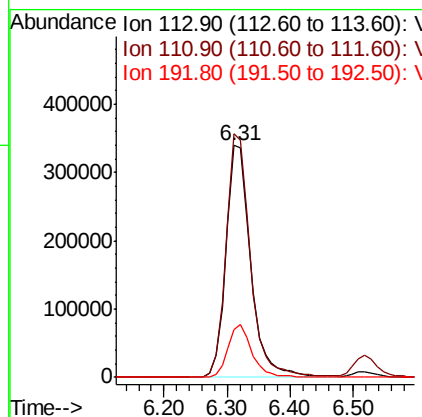
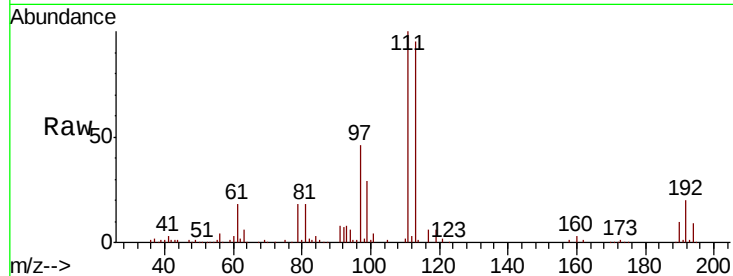
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.5	122.3
192	20.5	17.4	26.0

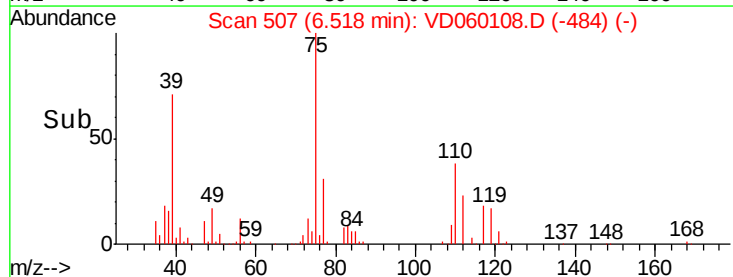
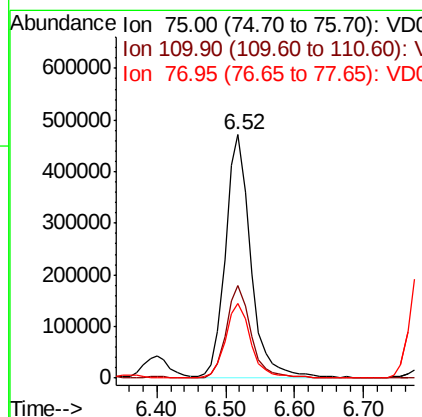
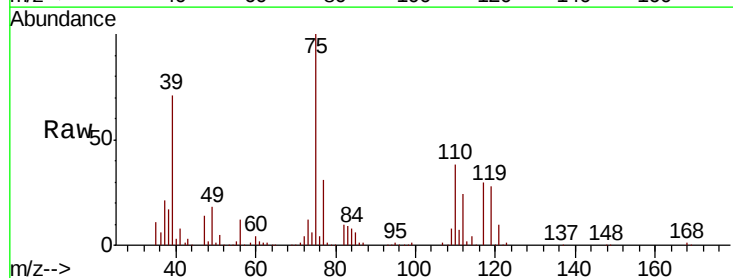
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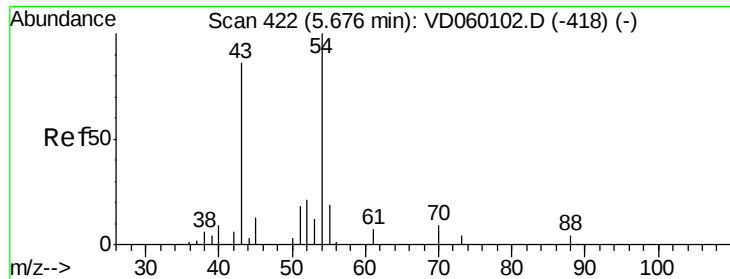
apatel
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#36
 1,1-Dichloropropene
 Concen: 51.226 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.0	57.0
77	30.7	24.9	37.3





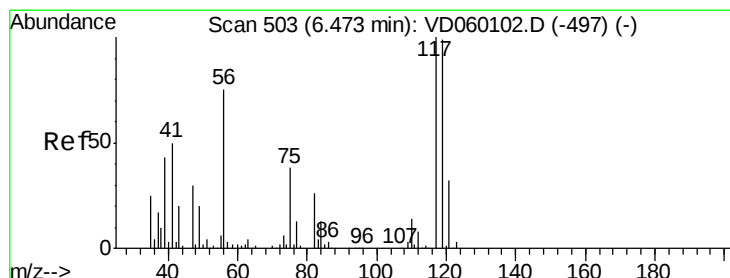
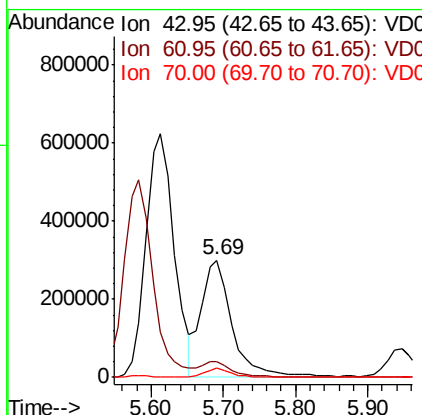
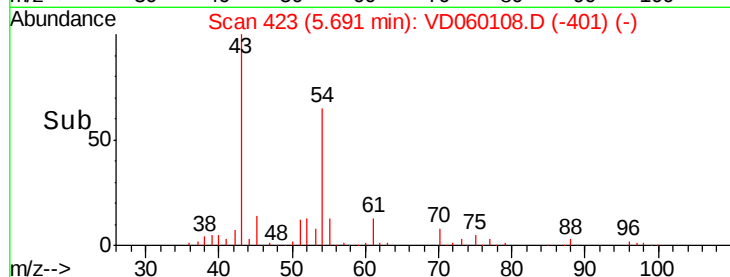
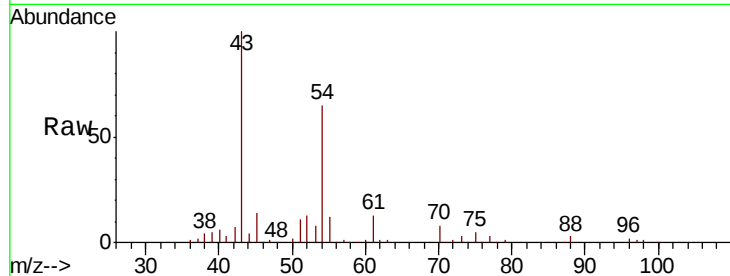
#37
Ethyl Acetate
Concen: 56.846 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	7.9	6.3	9.5

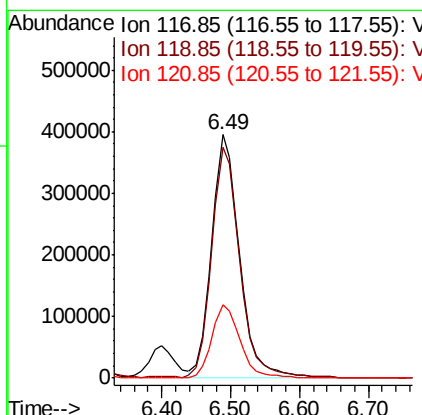
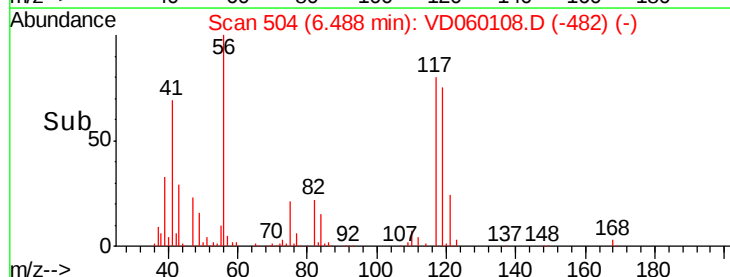
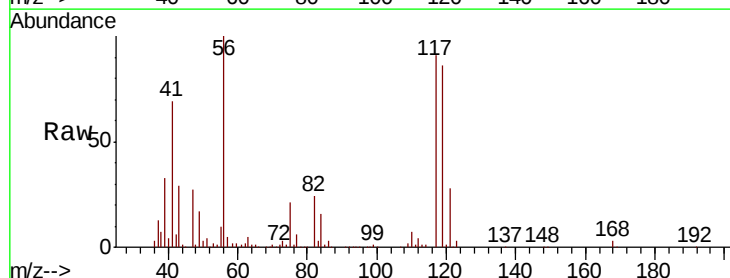
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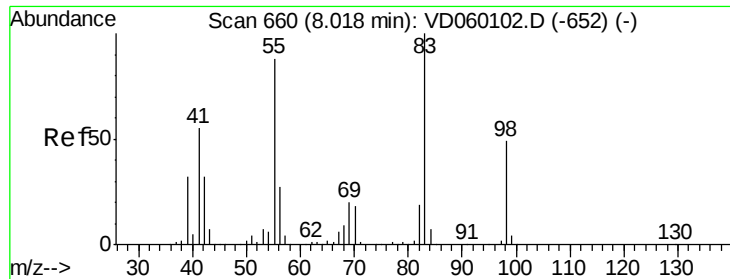
apatel
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#38
Carbon Tetrachloride
Concen: 52.306 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.6
121	30.1	24.8	37.2





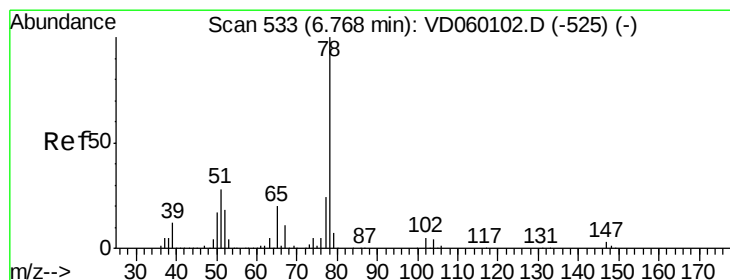
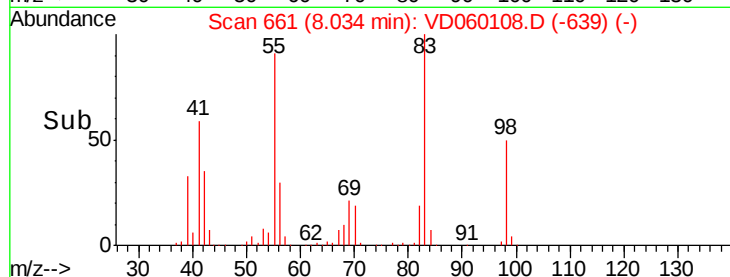
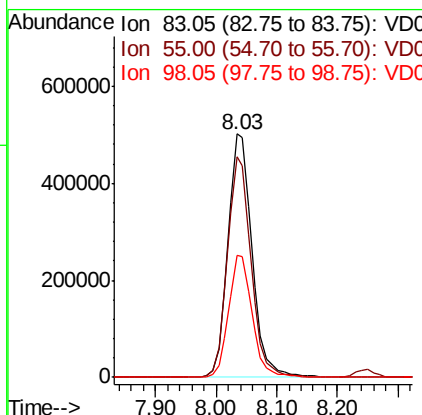
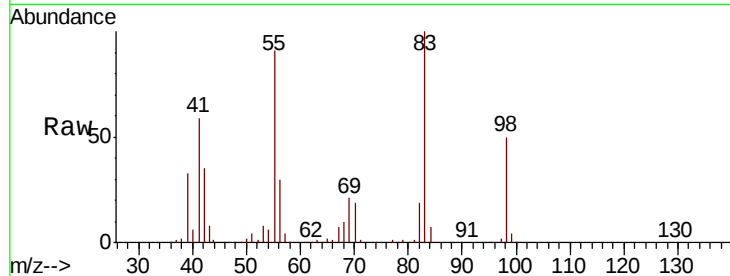
#39
Methvlcvclohexane
Concen: 52.769 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1385384
Ion Ratio Lower Upper
83 100
55 90.7 70.5 105.7
98 50.2 39.4 59.2

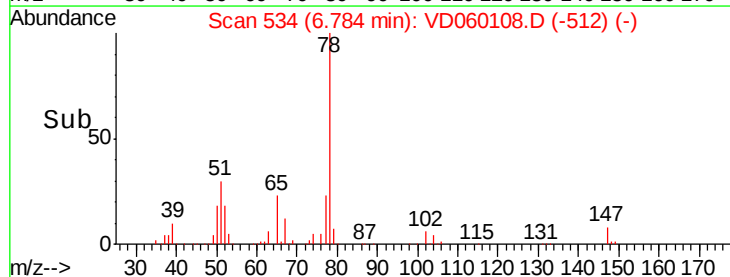
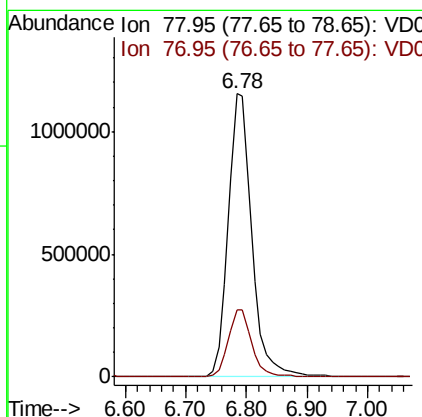
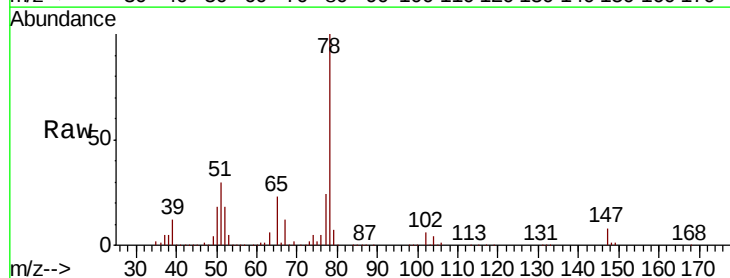
Manual Integrations
APPROVED

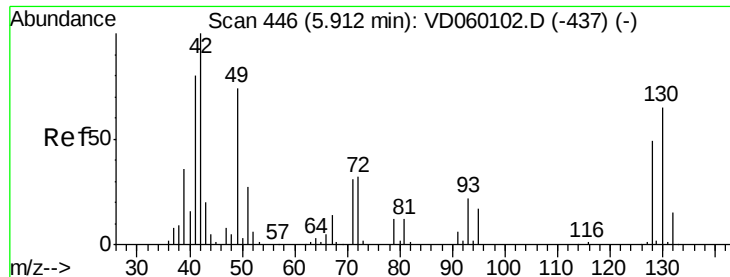
apatel
10/3/2018 12:59:48 PM



#40
Benzene
Concen: 51.613 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 78 Resp: 3120054
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 42.192 ug/l m

RT: 5.91 min Scan# 445

Delta R.T. -0.00 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 365760

Ion Ratio Lower Upper

41 100

39 48.5 36.0 54.0

67 44.9 13.9 20.9#

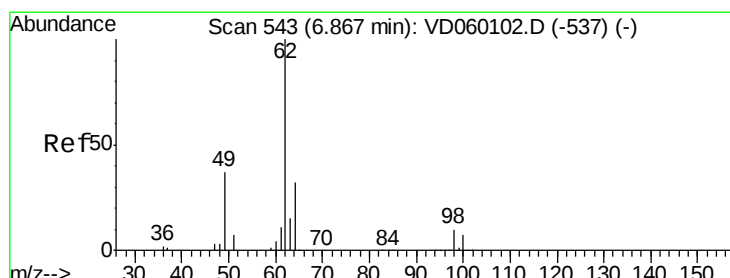
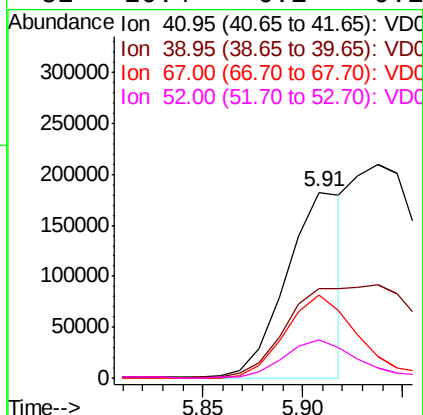
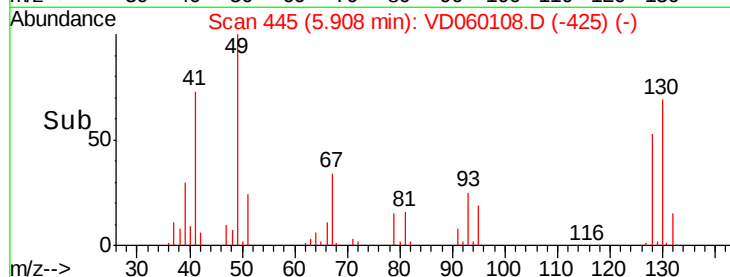
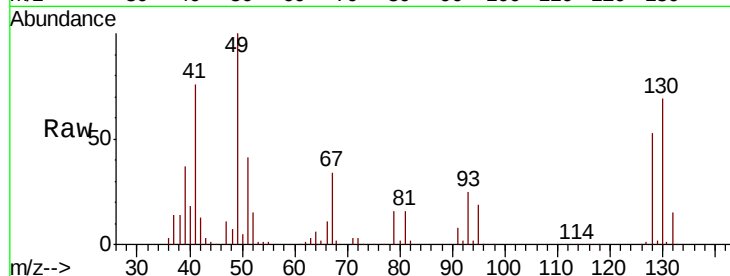
52 20.4 6.1 9.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 52.388 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.03 min

Lab File: VD060108.D

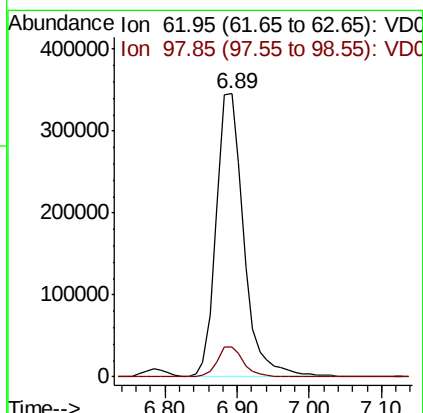
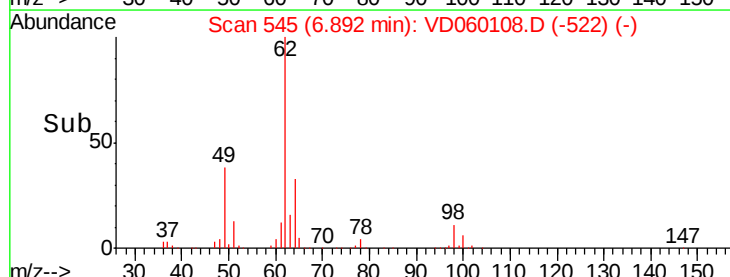
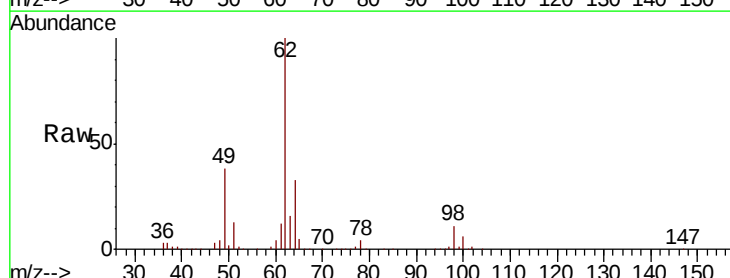
Acq: 2 Oct 2018 11:05

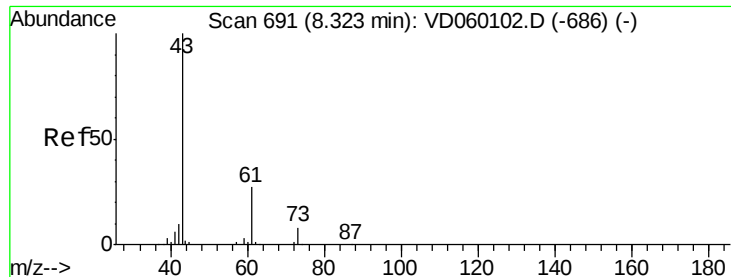
Tgt Ion: 62 Resp: 907936

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 55.976 ug/l

RT: 8.35 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1129483

Ion Ratio Lower Upper

43 100

61 27.3 21.4 32.2

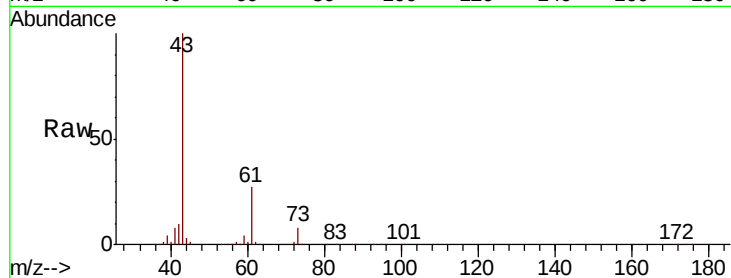
87 0.2 0.2 0.2

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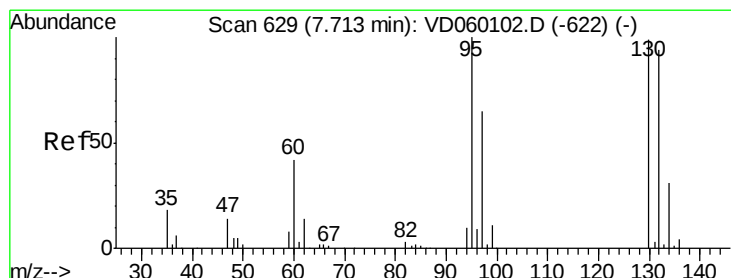
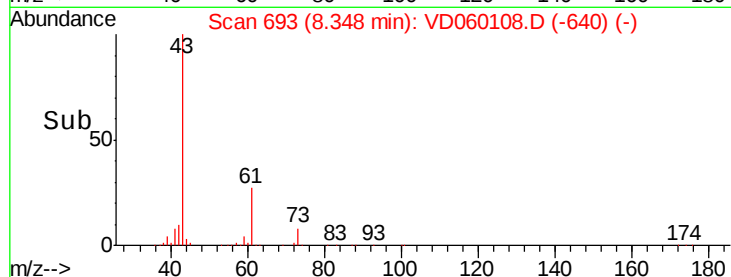
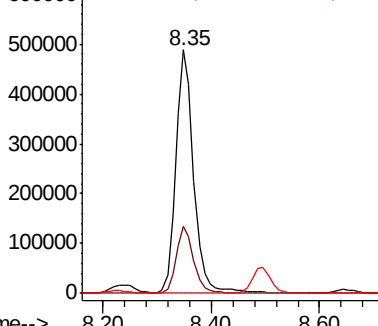
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.902 ug/l

RT: 7.74 min Scan# 631

Delta R.T. 0.03 min

Lab File: VD060108.D

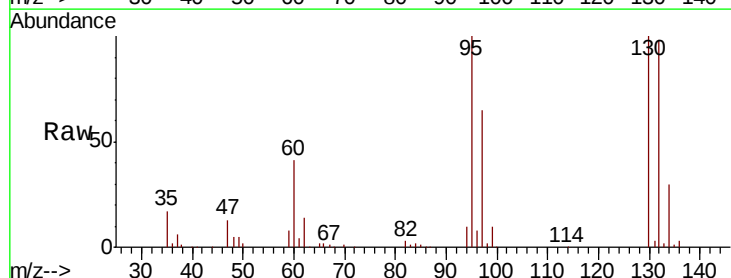
Acq: 2 Oct 2018 11:05

Tgt Ion: 130 Resp: 971243

Ion Ratio Lower Upper

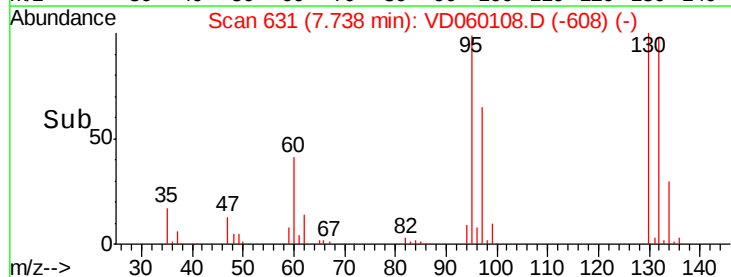
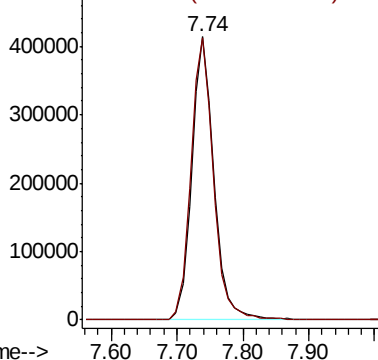
130 100

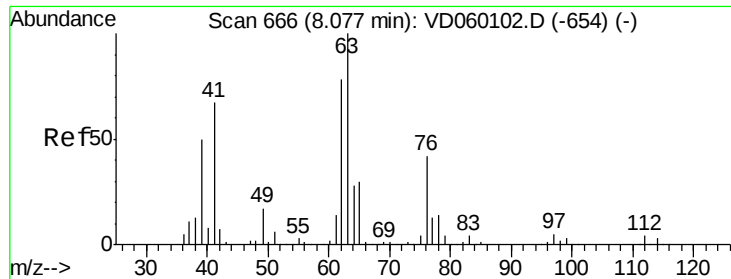
95 99.5 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.733 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 803036

Ion Ratio Lower Upper

63 100

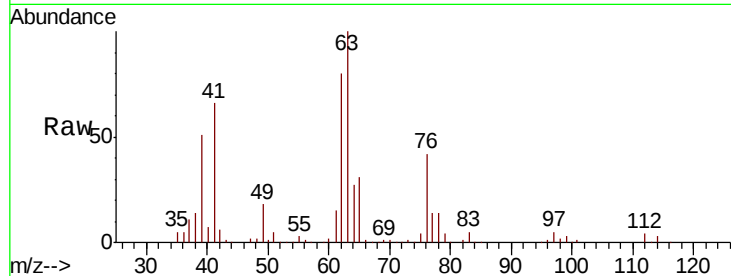
65 30.6 24.1 36.1

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

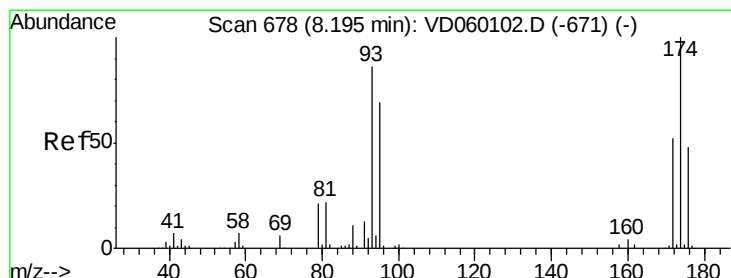
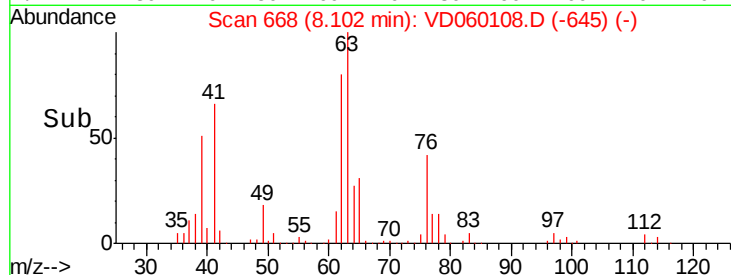
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 52.187 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

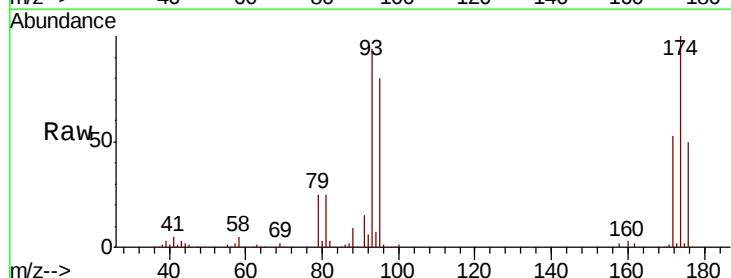
Tgt Ion: 93 Resp: 534801

Ion Ratio Lower Upper

93 100

95 85.1 63.8 95.6

174 106.5 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.21

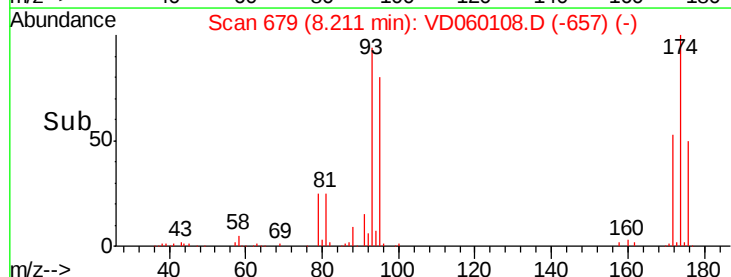
300000

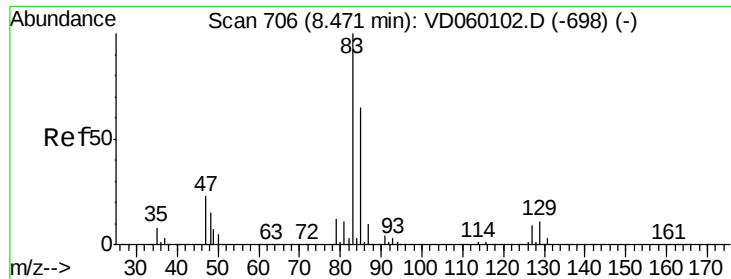
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 53.869 ug/l

RT: 8.50 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1176234

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2

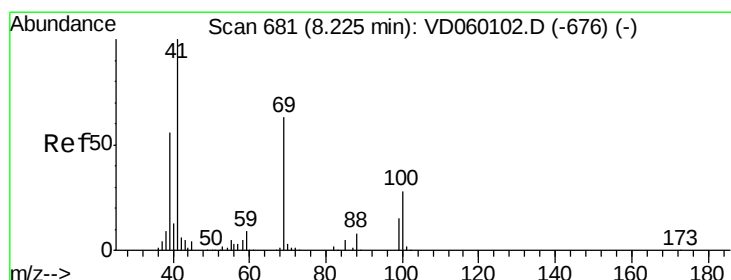
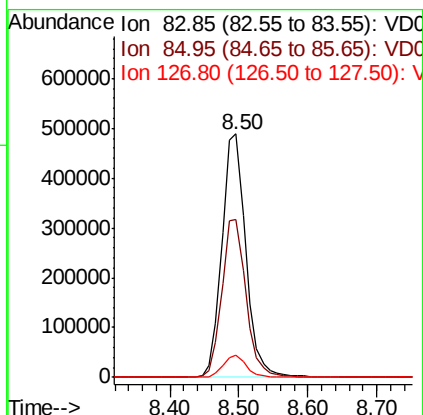
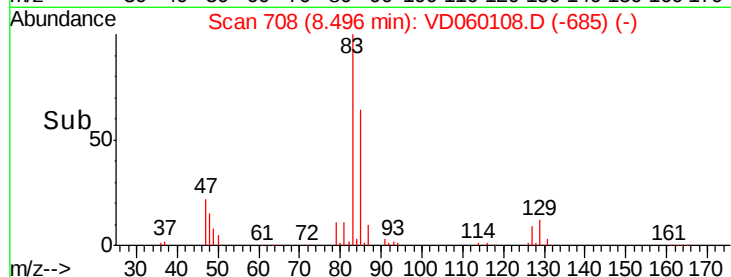
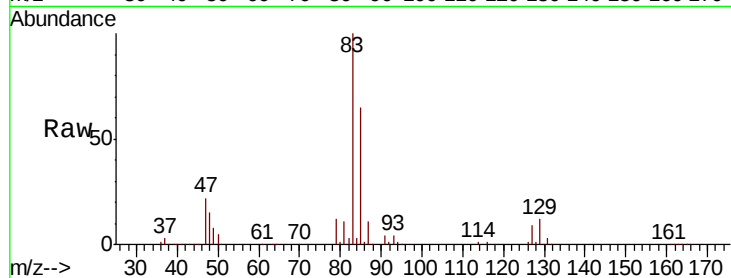
127 8.9 7.4 11.0

Manual Integrations

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#48

Methyl methacrylate

Concen: 53.347 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

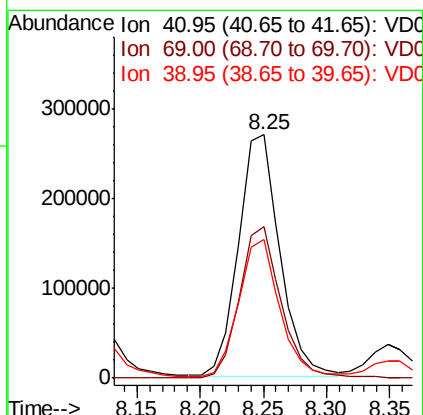
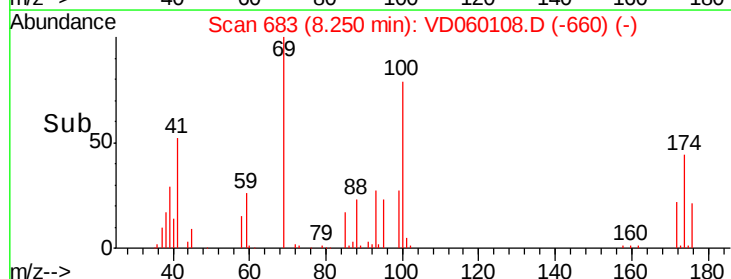
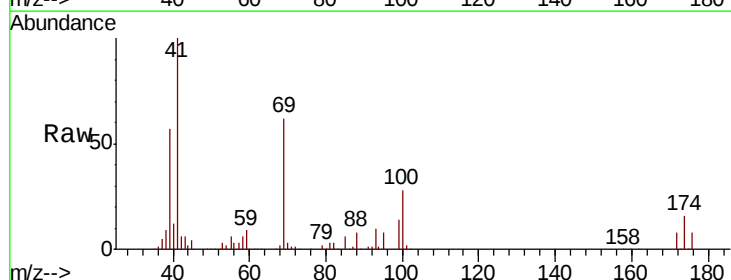
Tgt Ion: 41 Resp: 613146

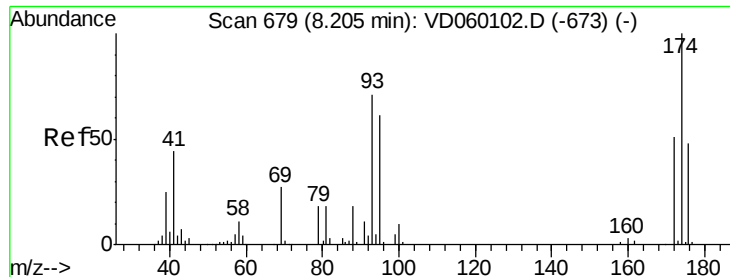
Ion Ratio Lower Upper

41 100

69 62.2 49.7 74.5

39 57.1 45.2 67.8





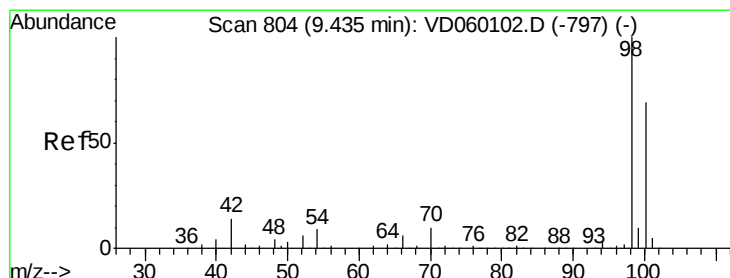
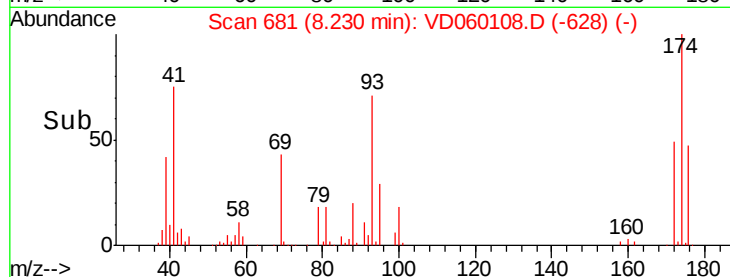
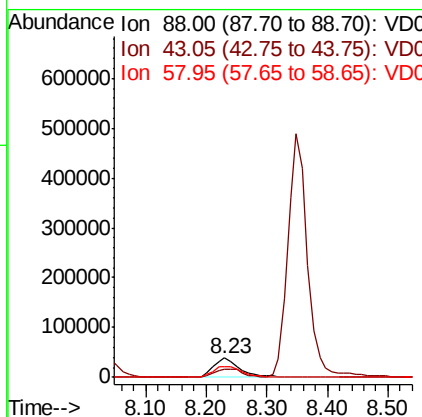
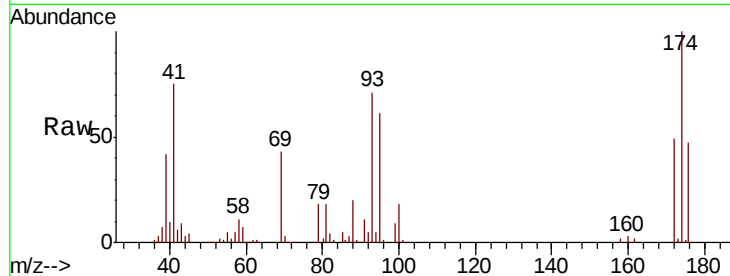
#49
1,4-Dioxane
Concen: 1075.152 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	33.7	50.5
58	58.8	49.1	73.7

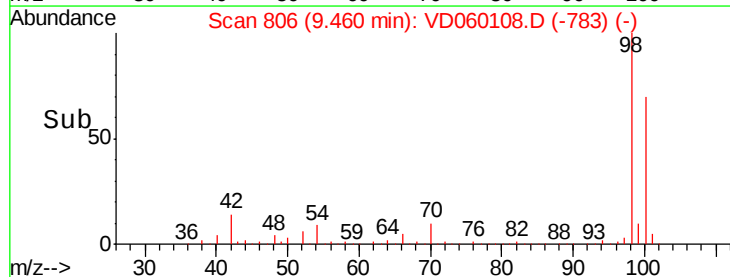
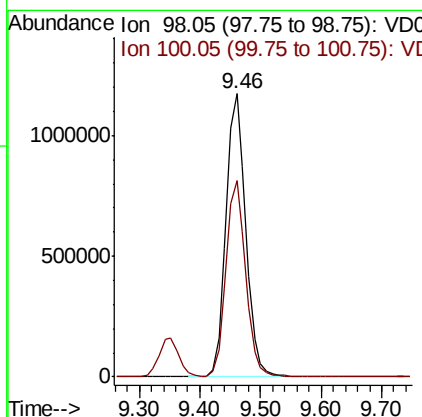
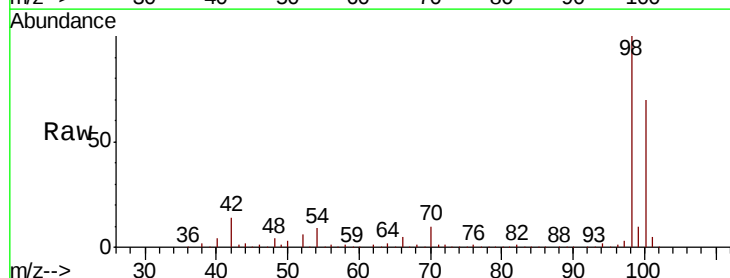
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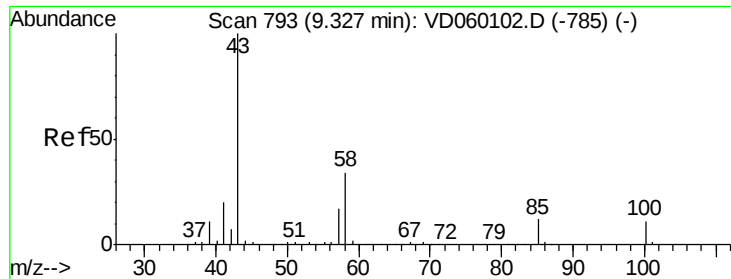
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#50
Toluene-d8
Concen: 1075.152 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 267.401 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3403156

Ion Ratio Lower Upper

43 100

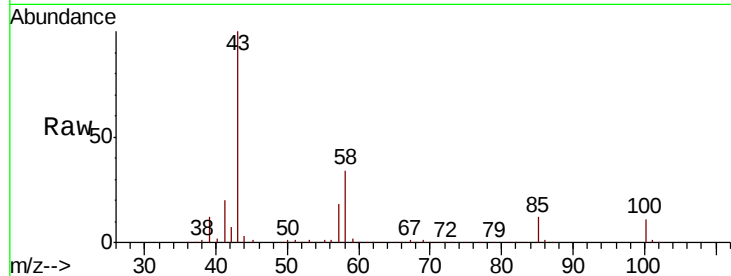
58 34.1 27.2 40.8

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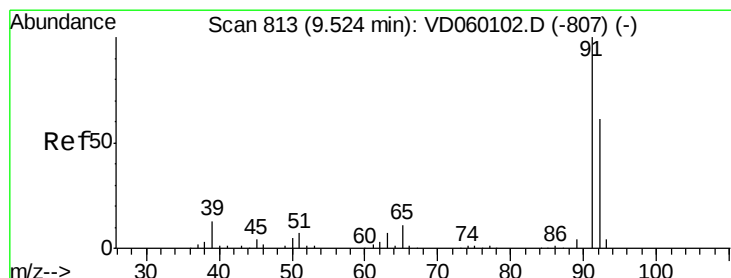
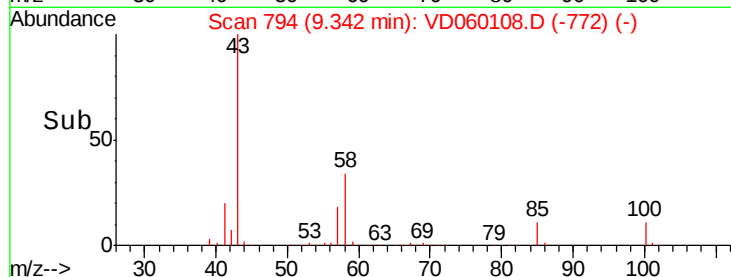
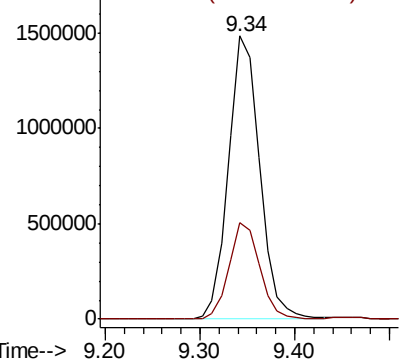
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.978 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.03 min

Lab File: VD060108.D

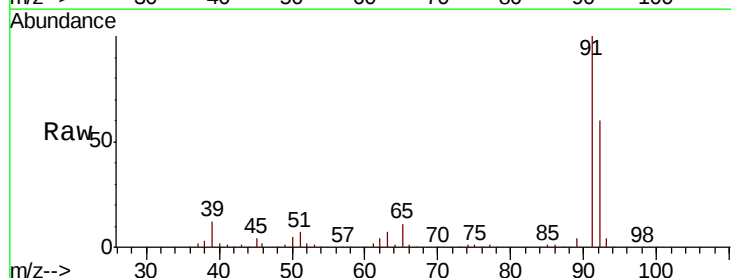
Acq: 2 Oct 2018 11:05

Tgt Ion: 92 Resp: 1984685

Ion Ratio Lower Upper

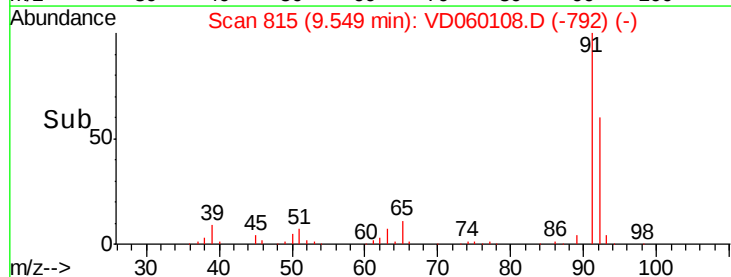
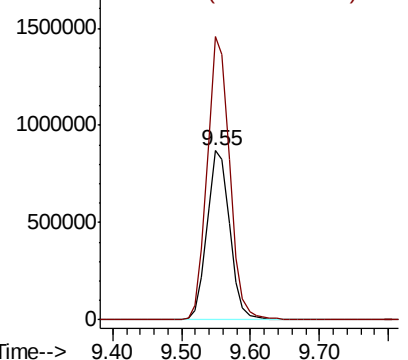
92 100

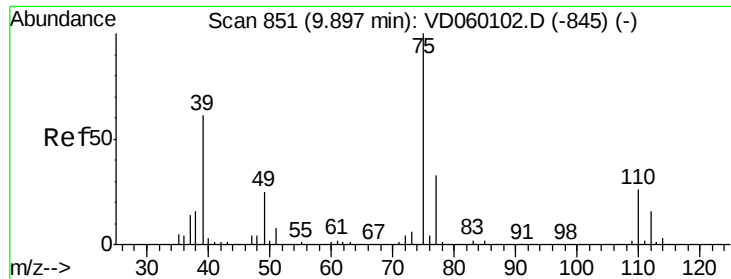
91 167.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.093 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tot Ion: 75 Resp: 1088475

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

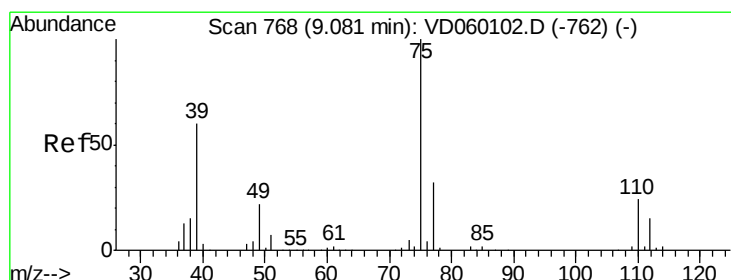
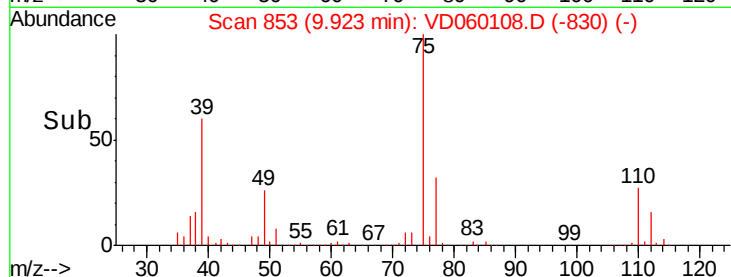
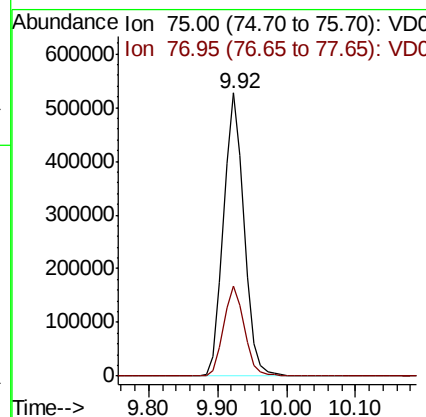
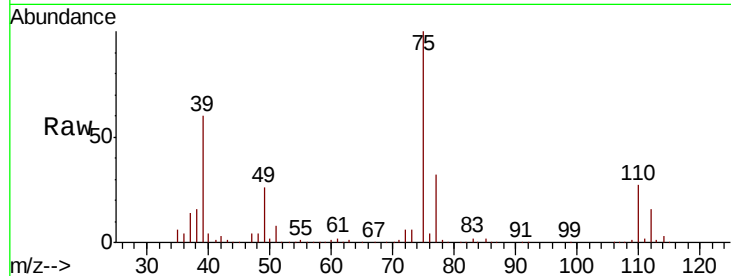
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 53.777 ug/l

RT: 9.11 min Scan# 770

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

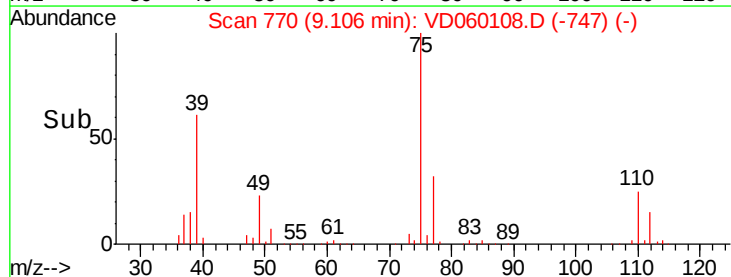
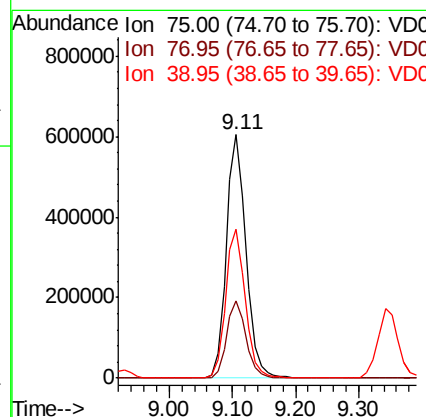
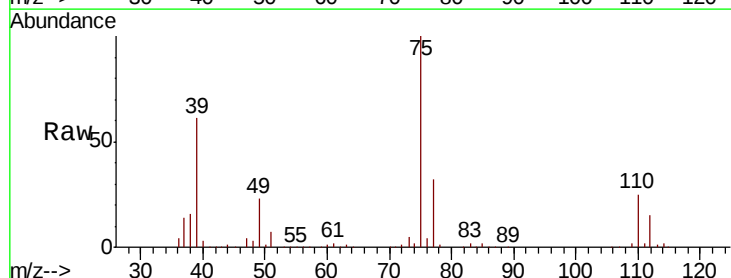
Tgt Ion: 75 Resp: 1312013

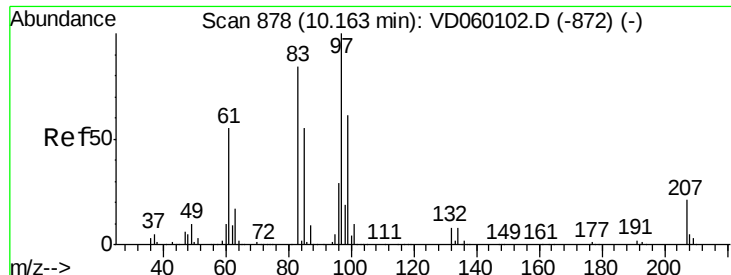
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 61.3 48.2 72.4





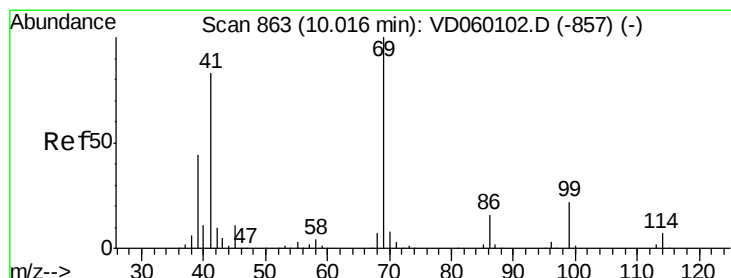
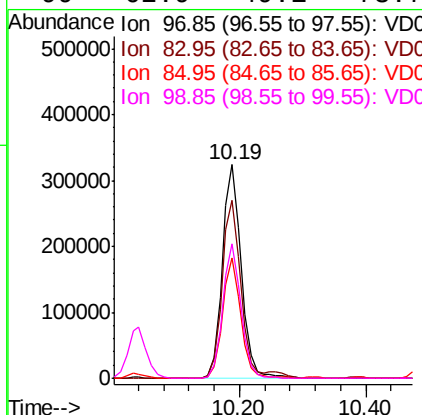
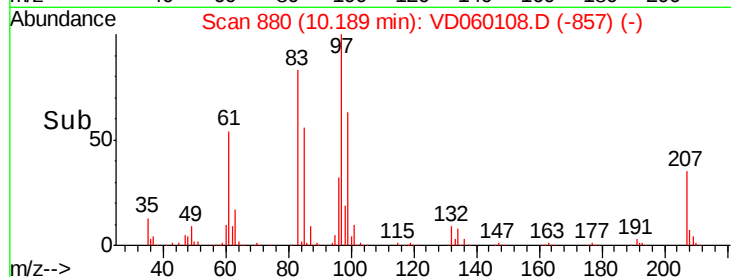
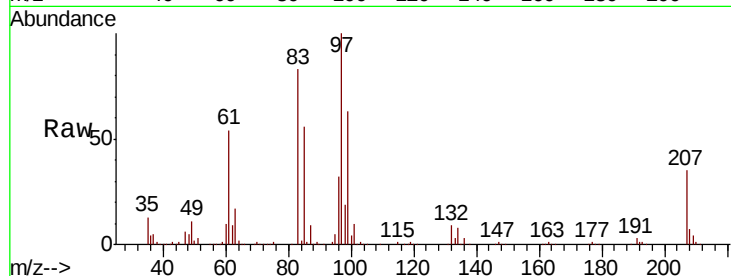
#55
 1,1,2-Trichloroethane
 Concen: 52.931 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	673686
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	56.2	43.9	65.9
99	62.9	49.1	73.7

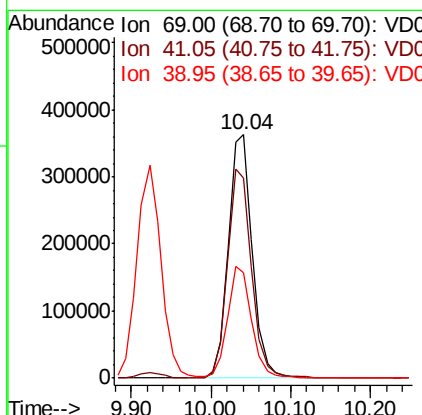
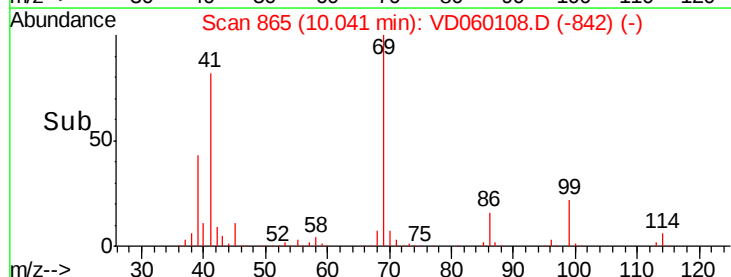
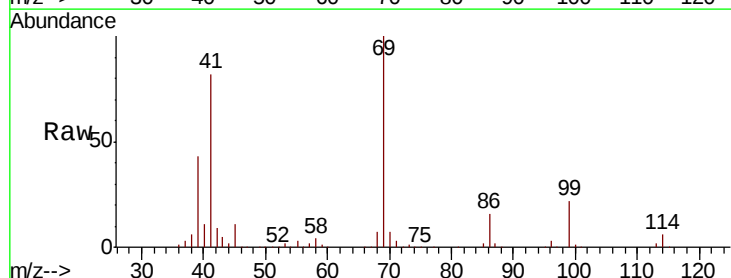
Manual Integrations
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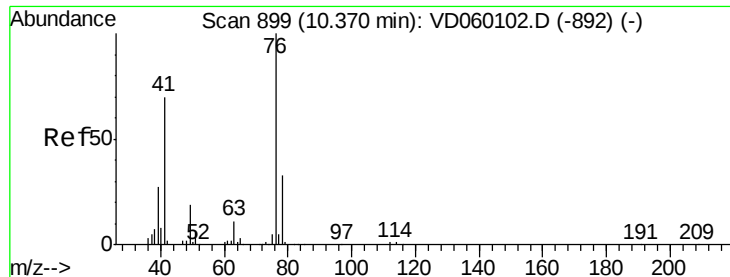
apatel
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#56
 Ethyl methacrylate
 Concen: 54.483 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion:	69	Resp:	765455
Ion	Ratio	Lower	Upper
69	100		
41	82.1	66.6	100.0
39	43.4	36.0	54.0





#57

1,3-Dichloropropane

Concen: 51.767 ug/l

RT: 10.39 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1004847

Ion Ratio Lower Upper

76 100

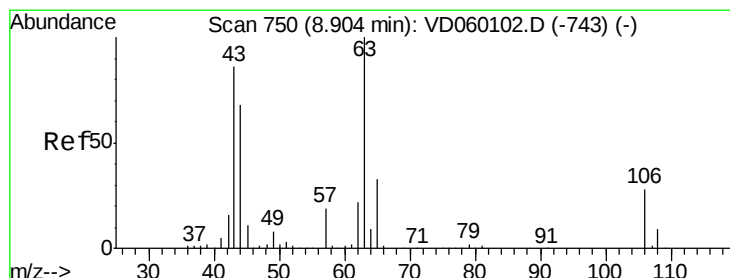
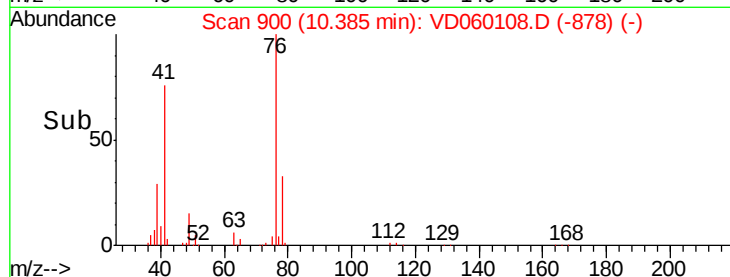
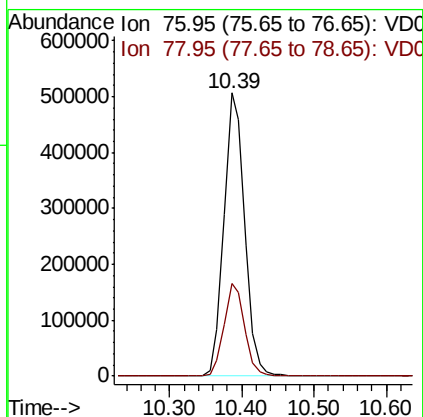
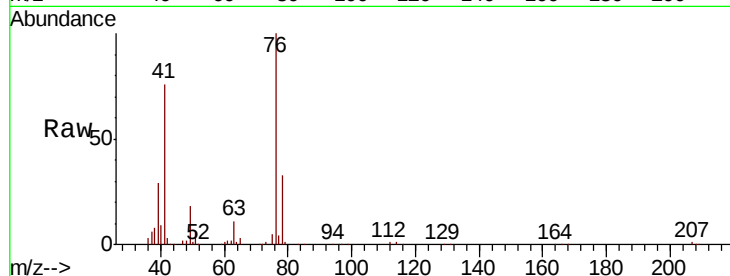
78 32.7 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 236.915 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.03 min

Lab File: VD060108.D

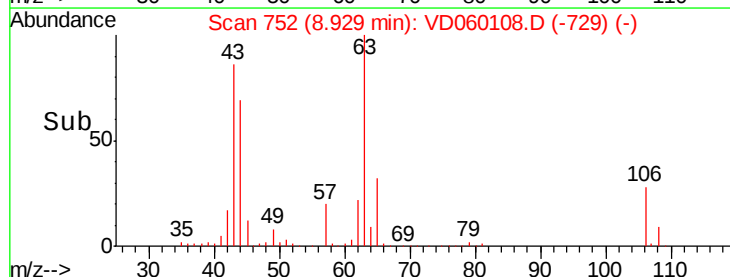
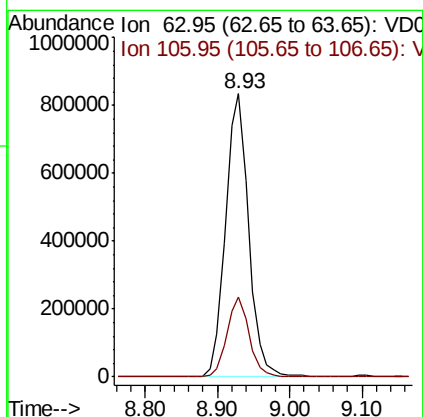
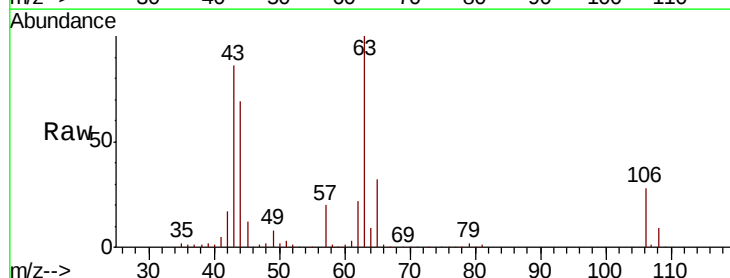
Acq: 2 Oct 2018 11:05

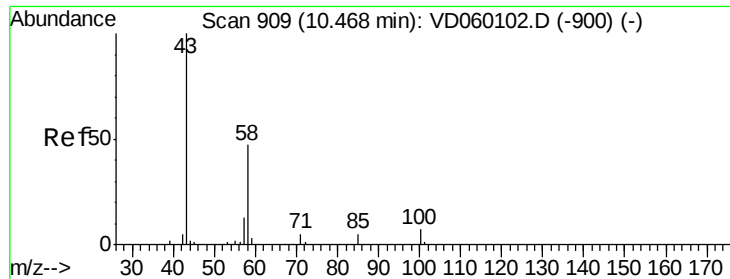
Tgt Ion: 63 Resp: 1848345

Ion Ratio Lower Upper

63 100

106 28.1 22.6 34.0





#59

2-Hexanone

Concen: 274.138 ug/l

RT: 10.49 min Scan# 911

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2508798

Ion Ratio Lower Upper

43 100

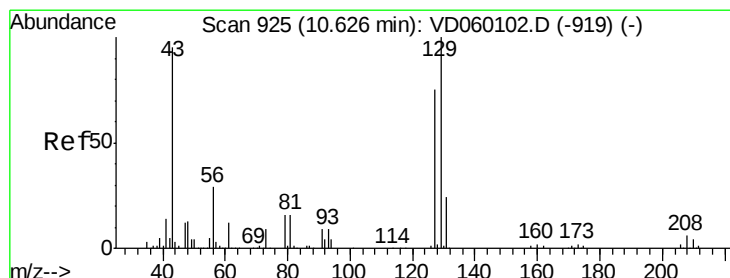
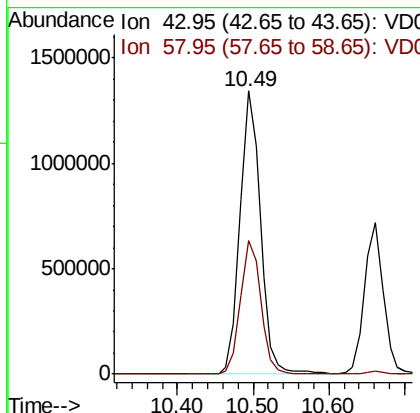
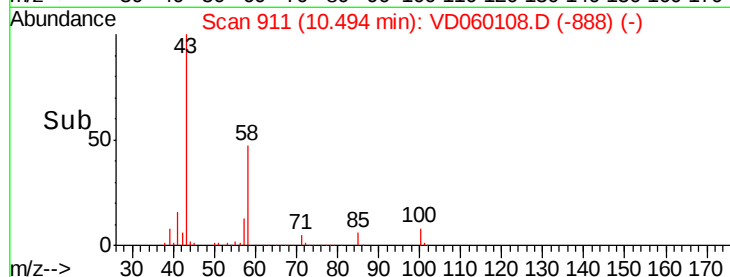
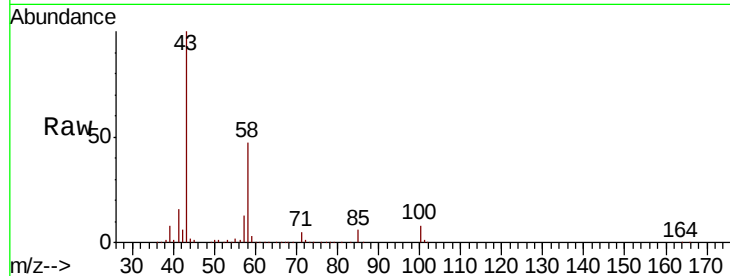
58 47.1 23.3 69.9

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#60

Dibromochloromethane

Concen: 55.184 ug/l

RT: 10.65 min Scan# 927

Delta R.T. 0.03 min

Lab File: VD060108.D

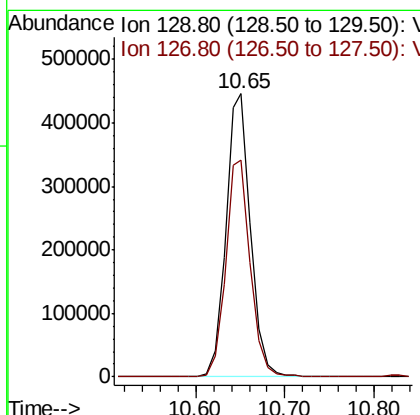
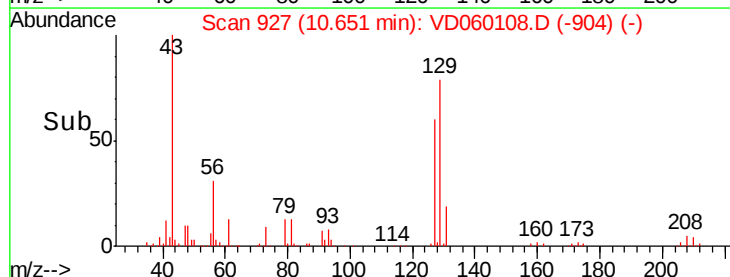
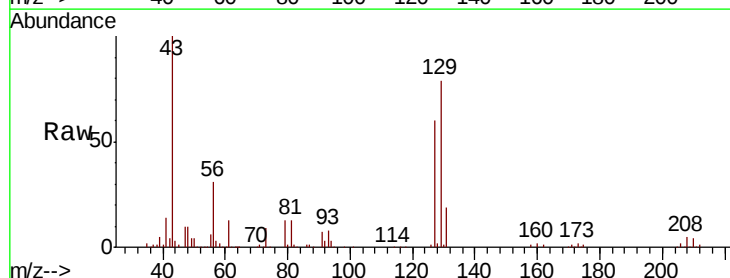
Acq: 2 Oct 2018 11:05

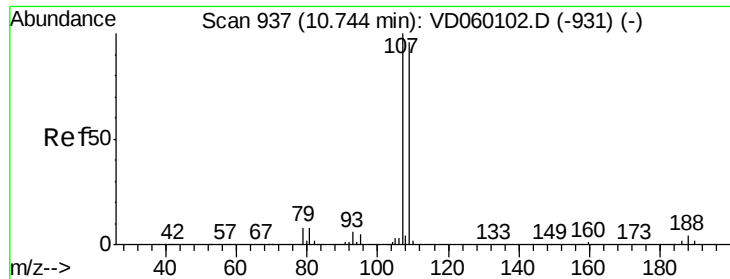
Tgt Ion: 129 Resp: 861746

Ion Ratio Lower Upper

129 100

127 76.4 37.4 112.2





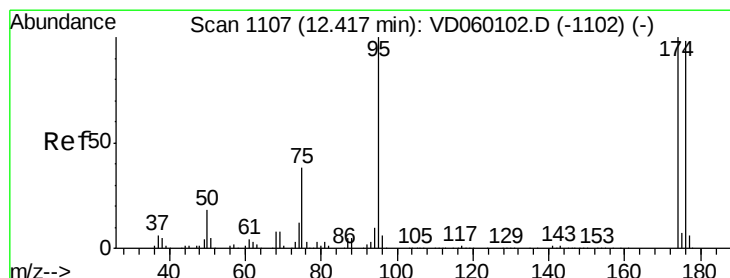
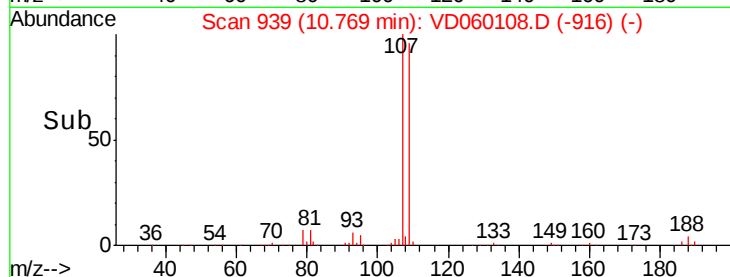
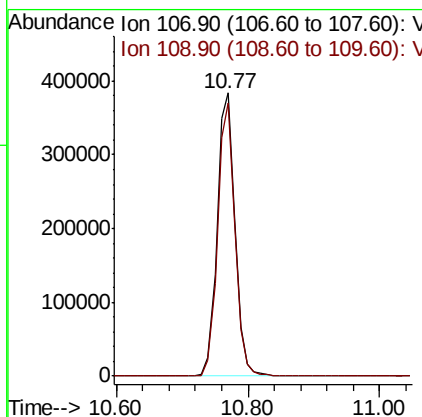
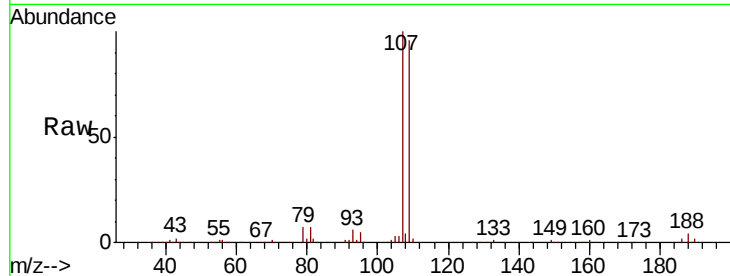
#61
 1,2-Dibromoethane
 Concen: 53.012 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	77.1	115.7

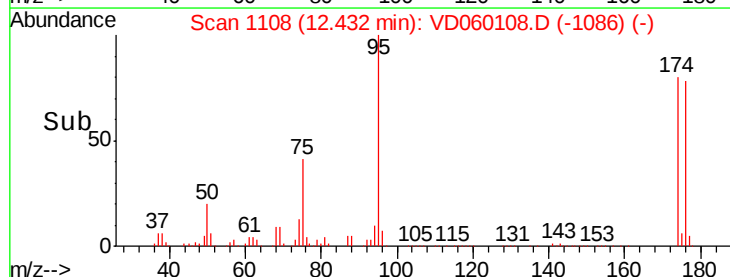
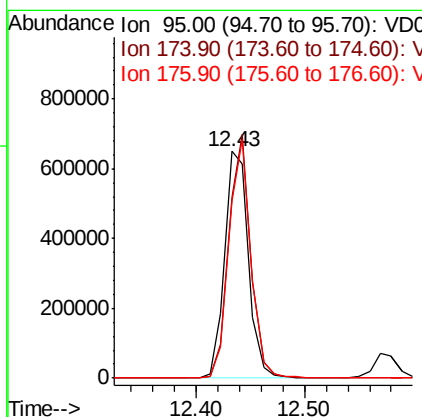
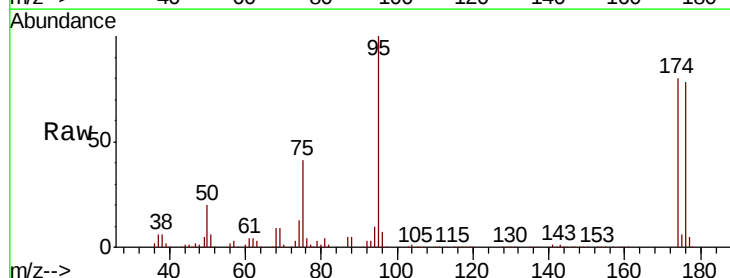
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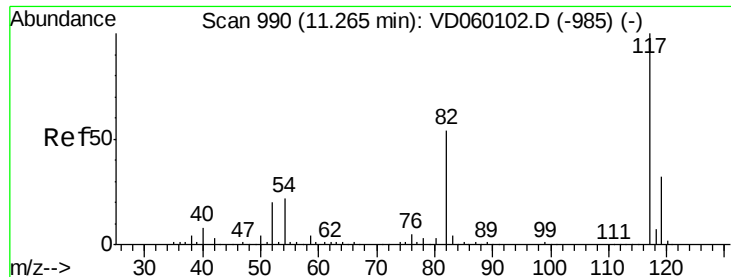
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#62
 4-Bromofluorobenzene
 Concen: 53.012 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	200.2
176	77.9	0.0	195.6





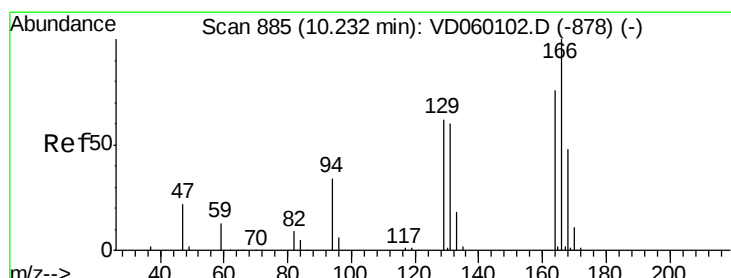
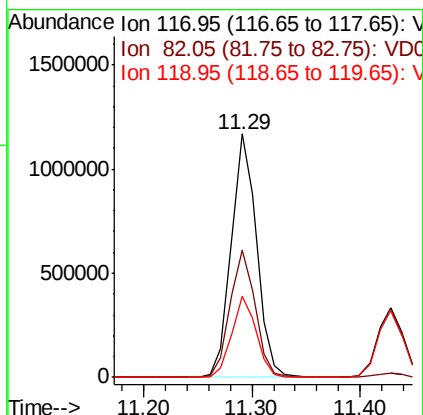
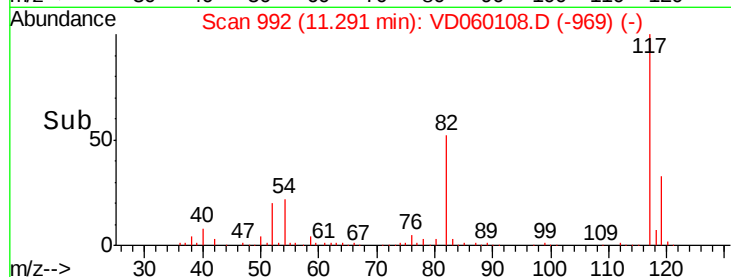
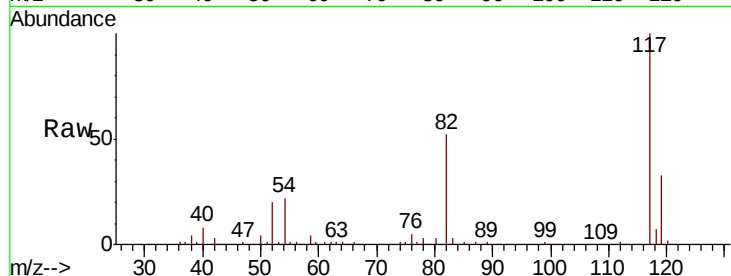
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1913398
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.2
119 33.1 26.0 39.0

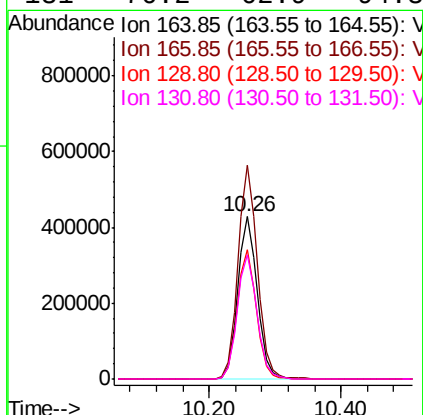
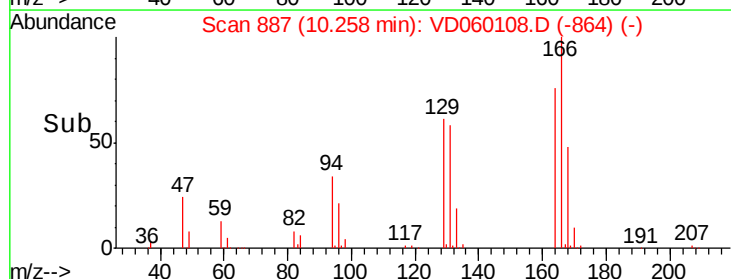
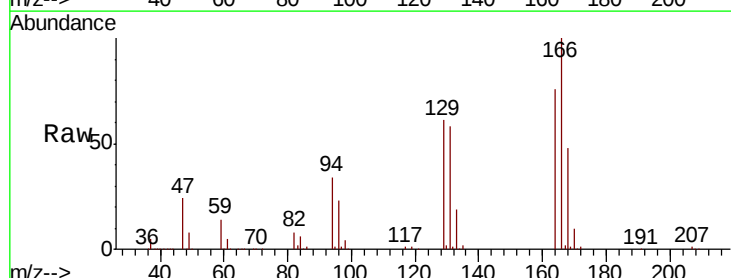
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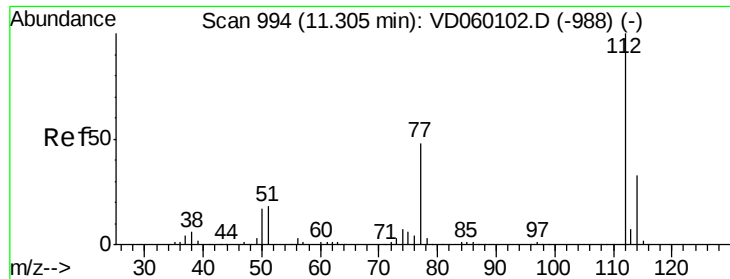
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#64
Tetrachloroethene
Concen: 53.330 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:164 Resp: 893742
Ion Ratio Lower Upper
164 100
166 131.6 105.4 158.0
129 79.8 65.7 98.5
131 76.2 62.9 94.3





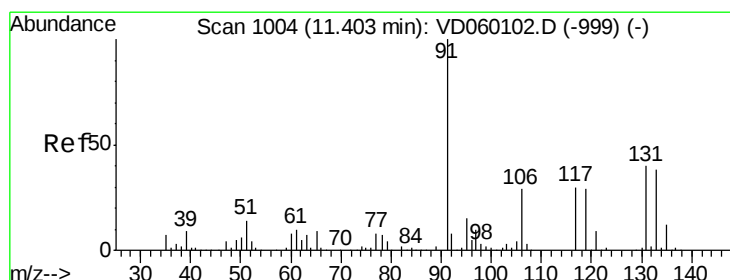
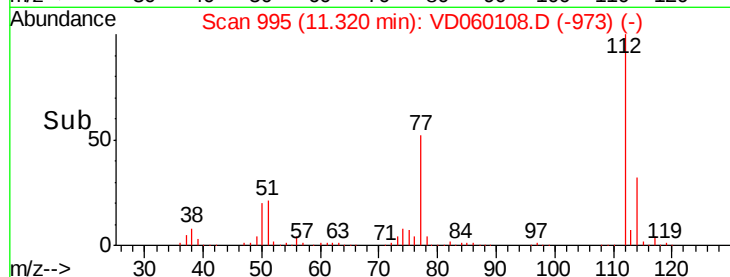
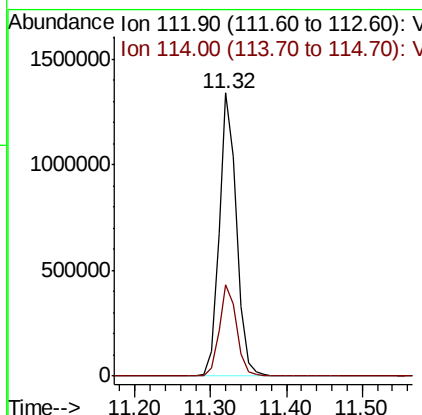
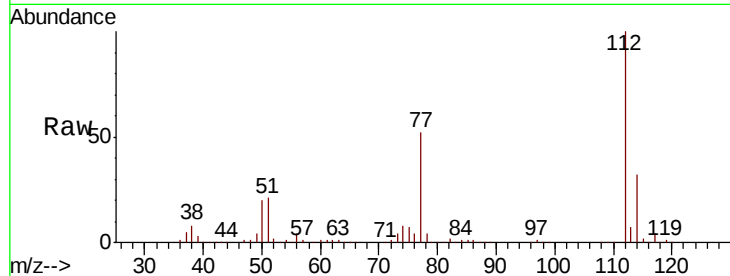
#65
Chlorobenzene
Concen: 51.690 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2139635
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

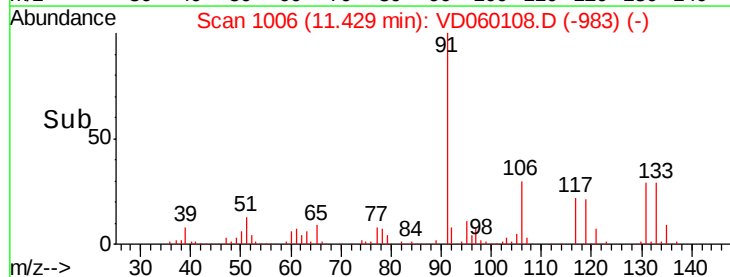
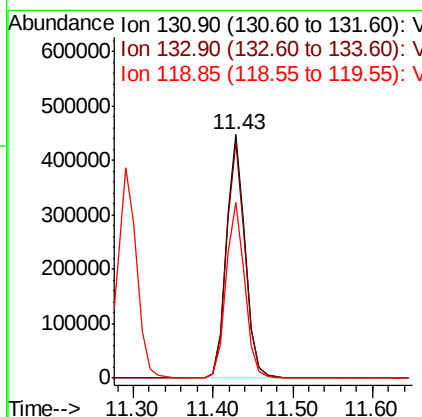
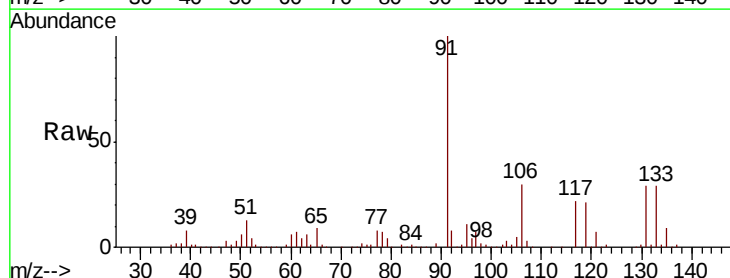
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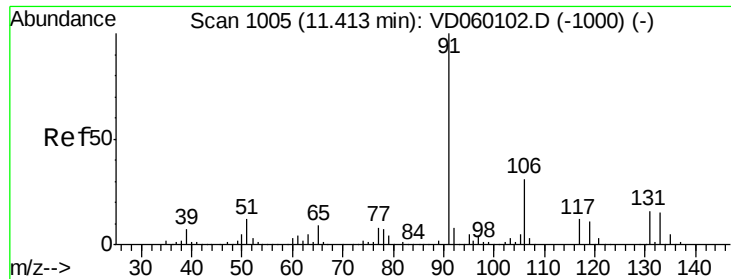
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.280 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:131 Resp: 735740
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 72.1 36.1 108.3





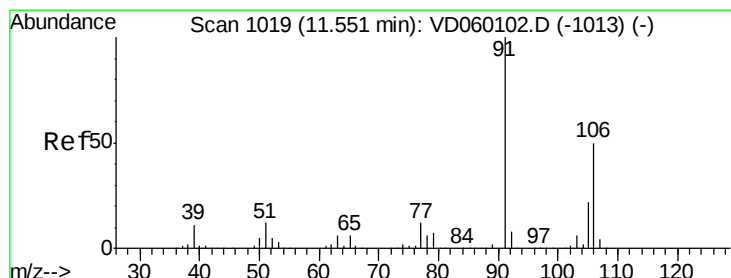
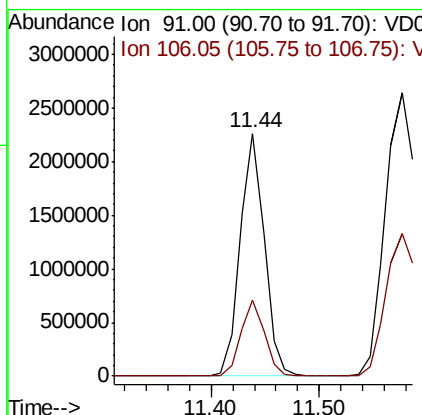
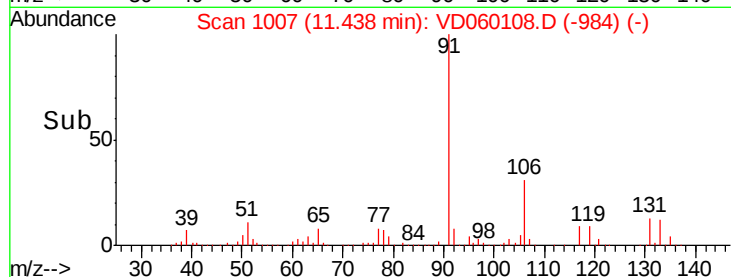
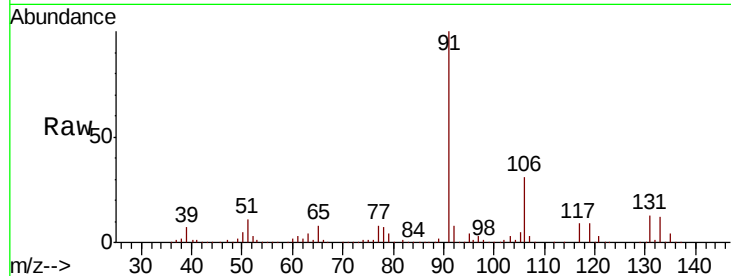
#67
Ethyl Benzene
Concen: 52.547 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3524074
Ion Ratio Lower Upper
91 100
106 31.4 24.4 36.6

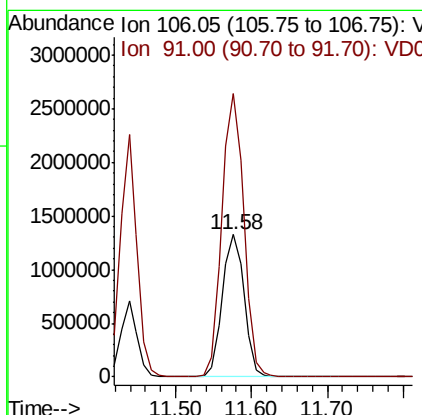
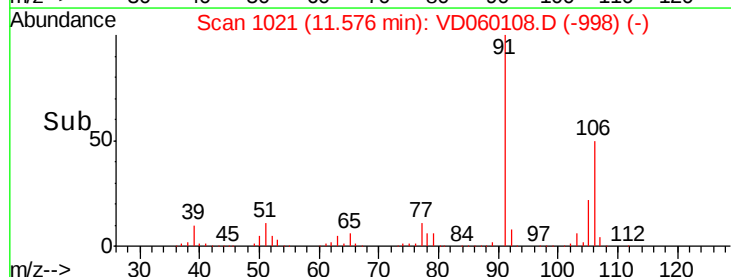
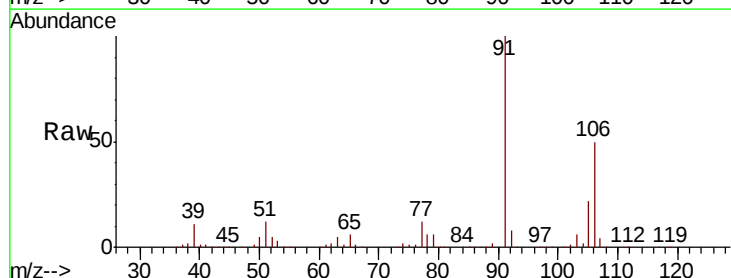
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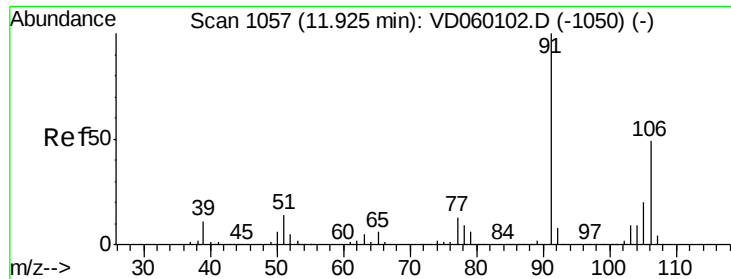
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#68
m/p-Xylenes
Concen: 105.855 ug/l
RT: 11.58 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 106 Resp: 2652539
Ion Ratio Lower Upper
106 100
91 198.6 160.0 240.0





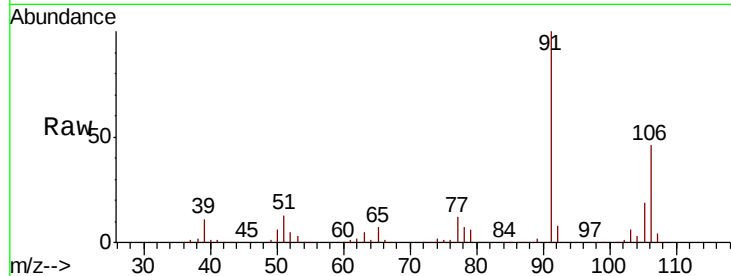
#69
o-Xylene
Concen: 52.251 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

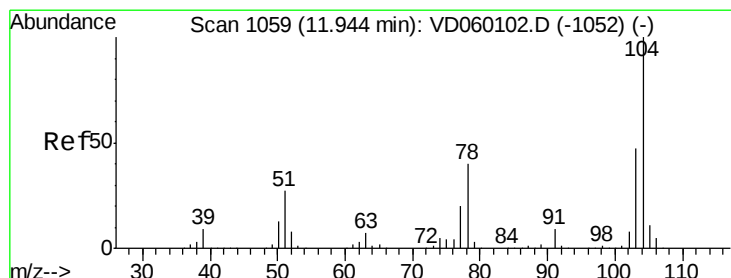
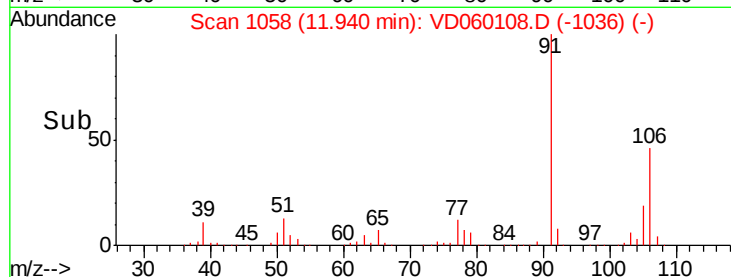
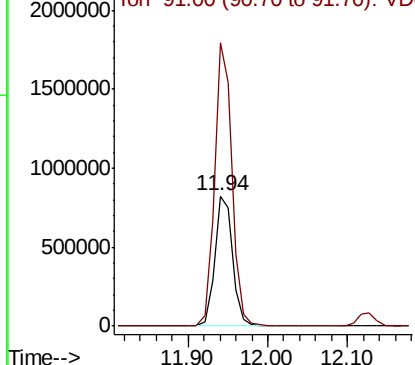
Tot Ion:106 Resp: 1295088
Ion Ratio Lower Upper
106 100
91 217.1 102.5 307.5

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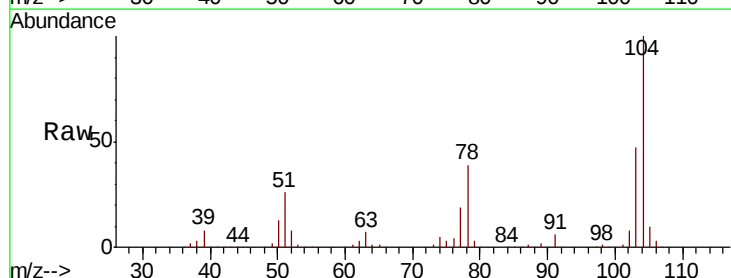


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

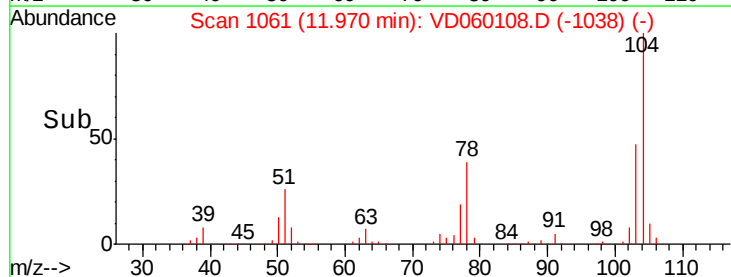
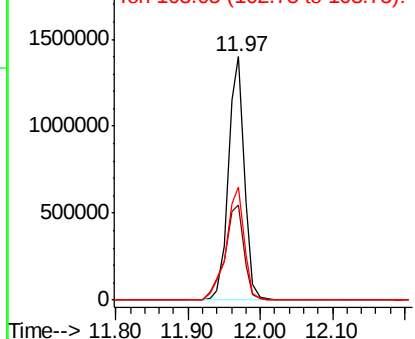


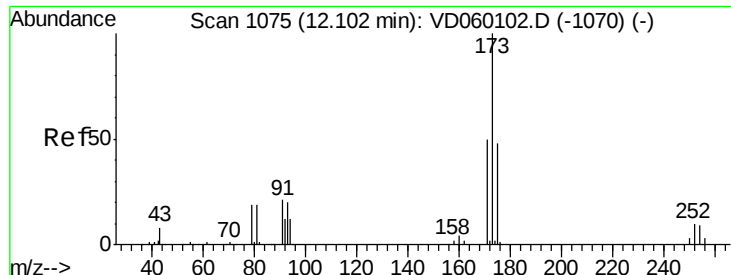
#70
Styrene
Concen: 51.720 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:104 Resp: 2143750
Ion Ratio Lower Upper
104 100
78 39.3 32.2 48.4
103 46.6 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 57.105 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 638540

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

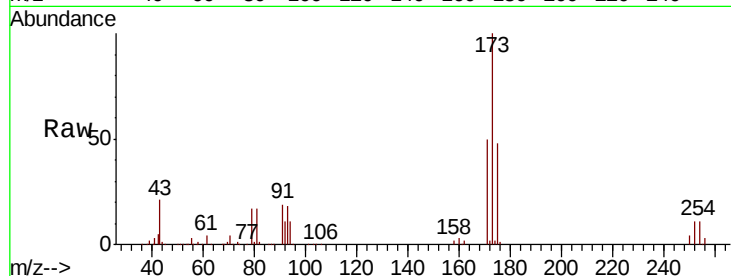
254 10.5 7.4 11.0

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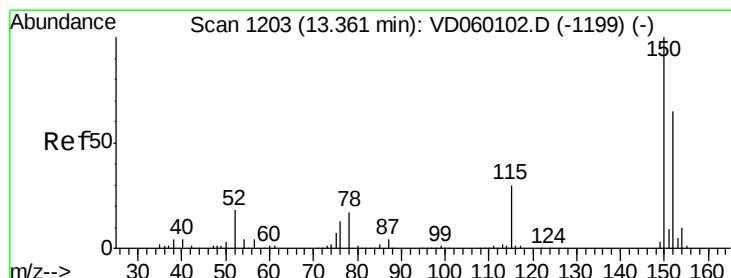
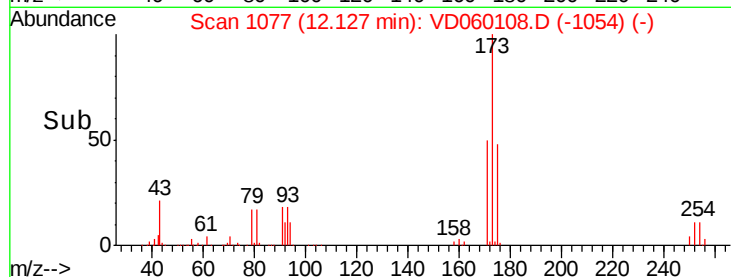
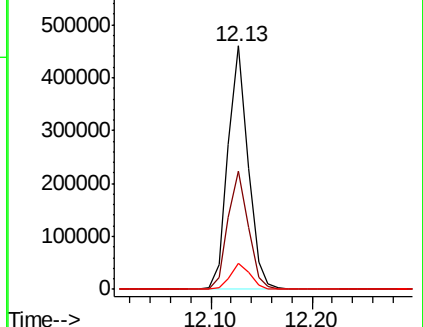
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

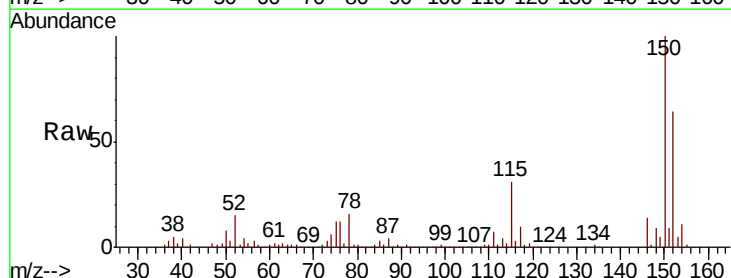
Tgt Ion:152 Resp: 1019385

Ion Ratio Lower Upper

152 100

115 49.1 27.1 81.2

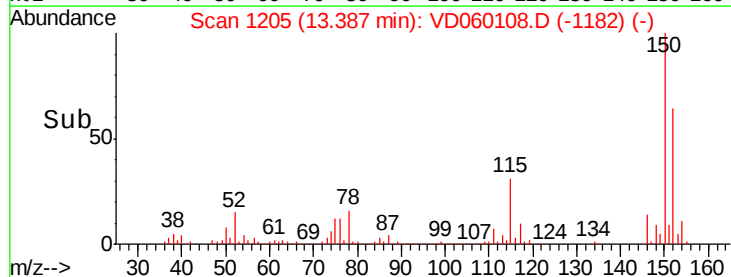
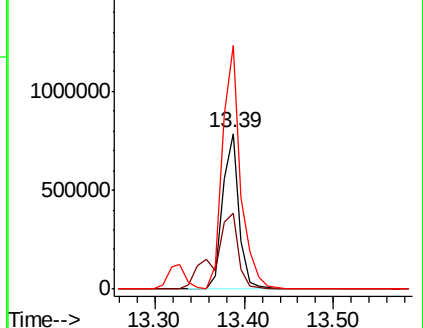
150 156.3 0.0 311.8

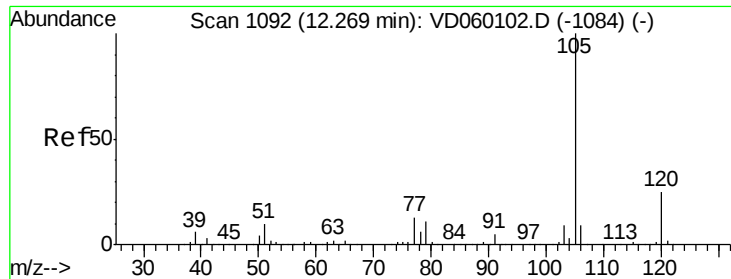


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.513 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3598803

Ion Ratio Lower Upper

105 100

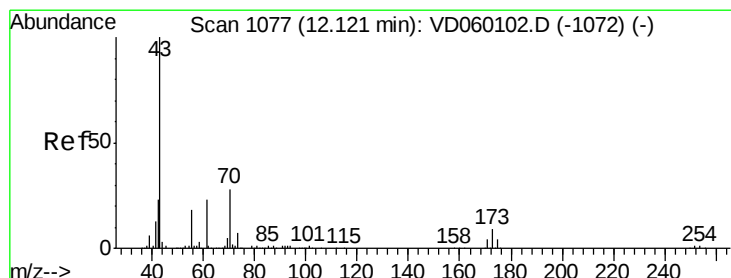
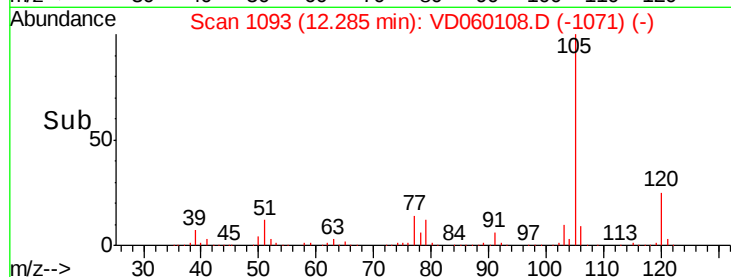
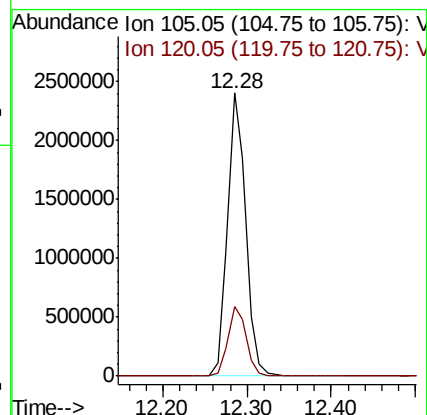
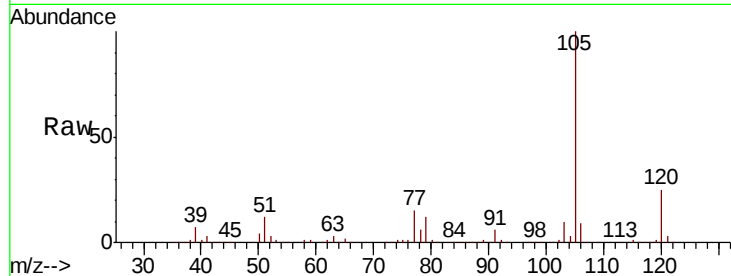
120 24.8 12.6 37.6

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#74

N-ethyl acetate

Concen: 54.857 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tgt Ion: 43 Resp: 1351314

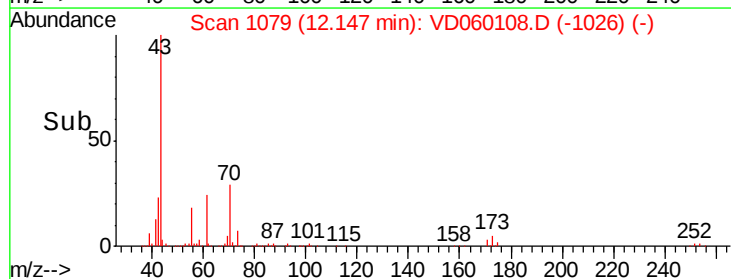
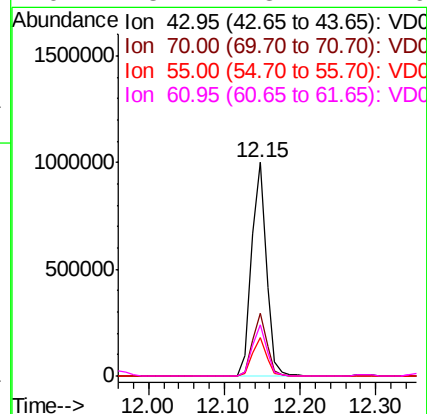
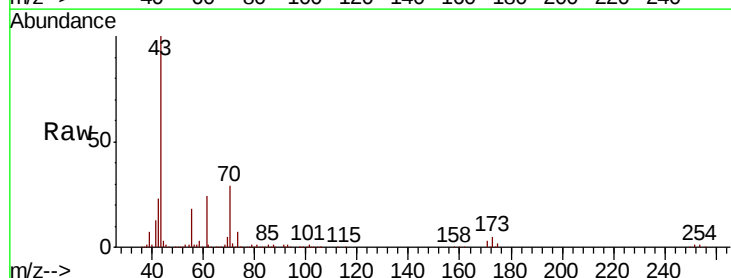
Ion Ratio Lower Upper

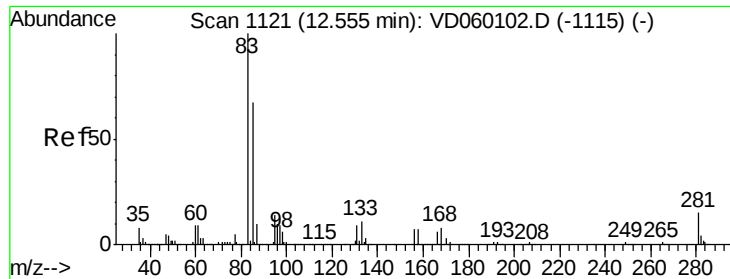
43 100

70 29.3 22.1 33.1

55 17.8 14.1 21.1

61 23.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.704 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

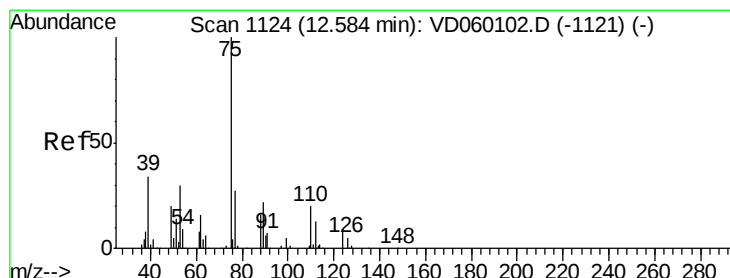
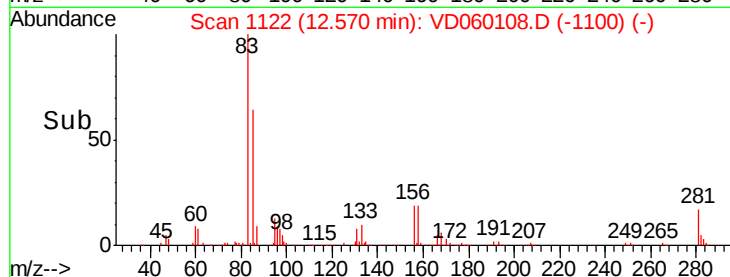
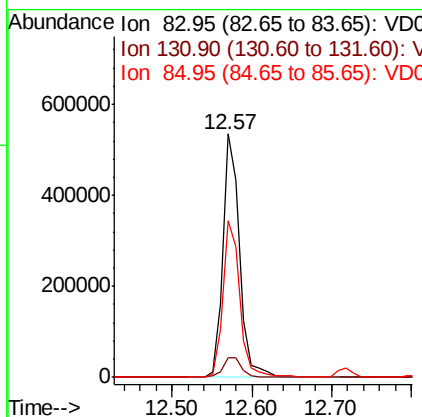
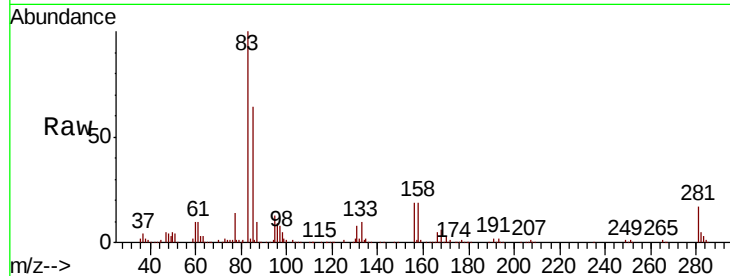
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	788473
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.5	13.4
85	64.2	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 54.808 ug/l

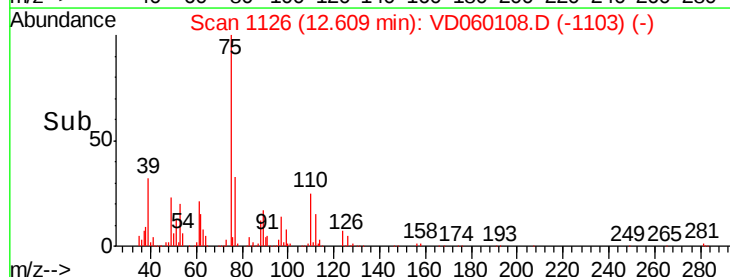
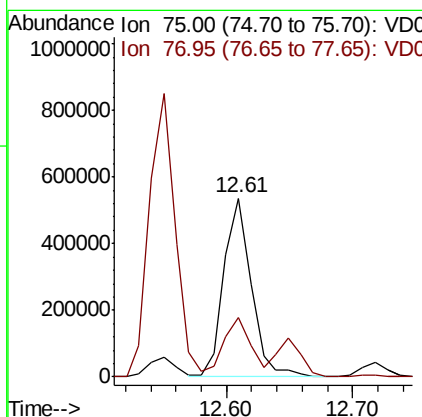
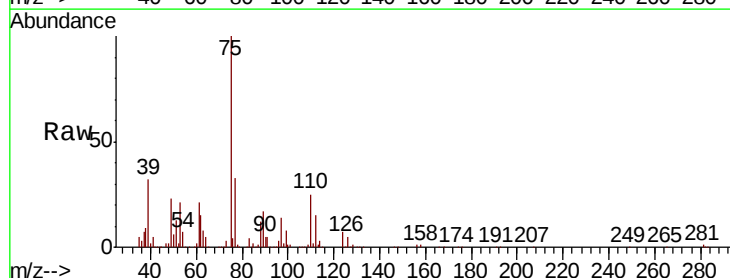
RT: 12.61 min Scan# 1126

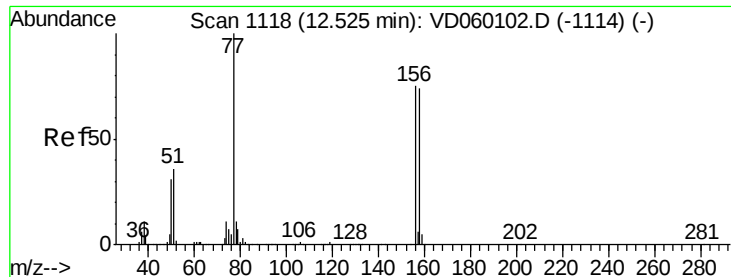
Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Tgt Ion:	75	Resp:	804603
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.3	48.9





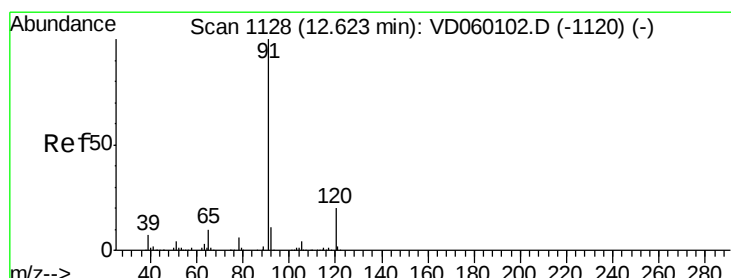
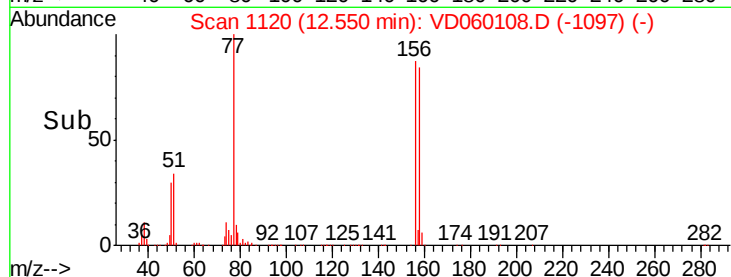
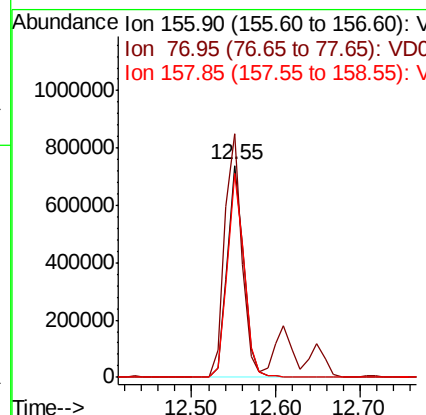
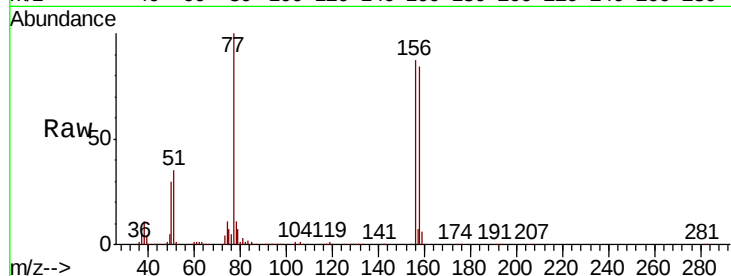
#77
Bromobenzene
Concen: 51.795 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 1012199
Ion Ratio Lower Upper
156 100
77 115.0 66.9 200.7
158 96.3 49.1 147.4

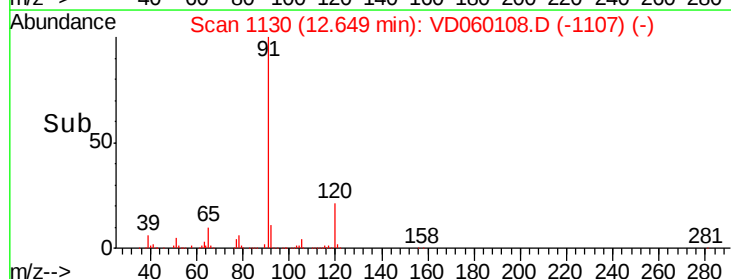
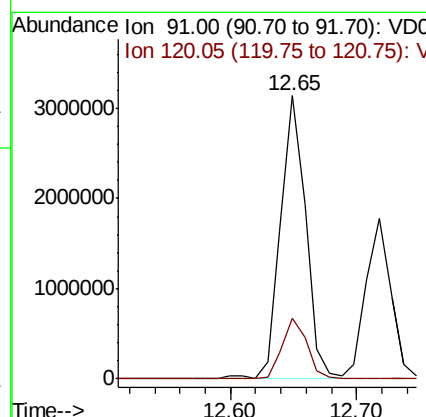
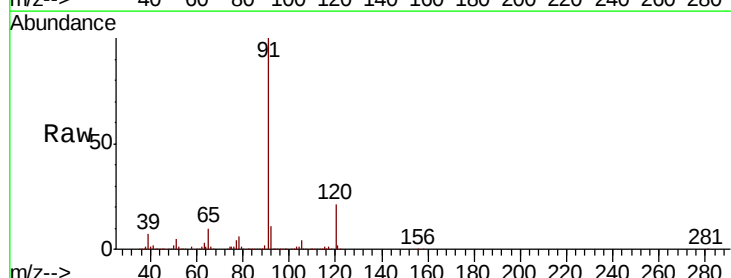
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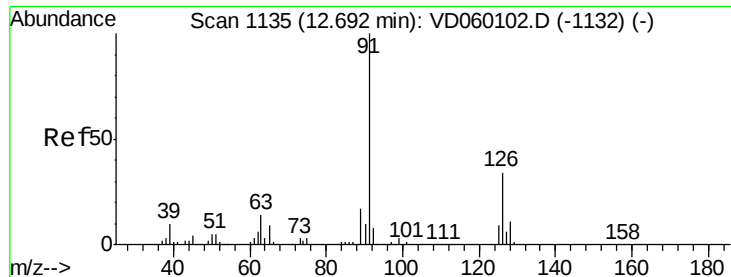
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#78
n-propylbenzene
Concen: 52.213 ug/l
RT: 12.65 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 91 Resp: 4360068
Ion Ratio Lower Upper
91 100
120 21.4 10.0 30.0





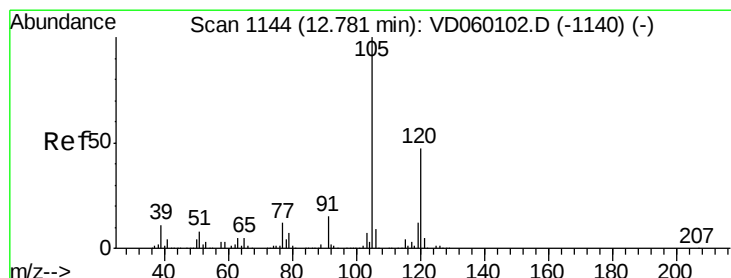
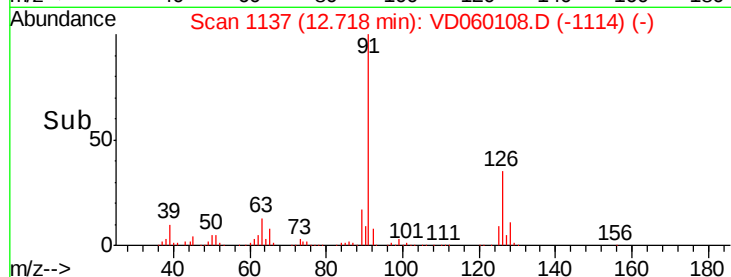
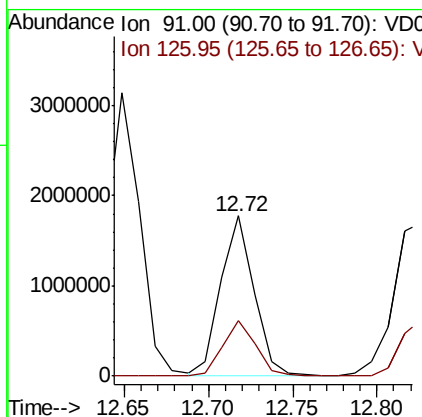
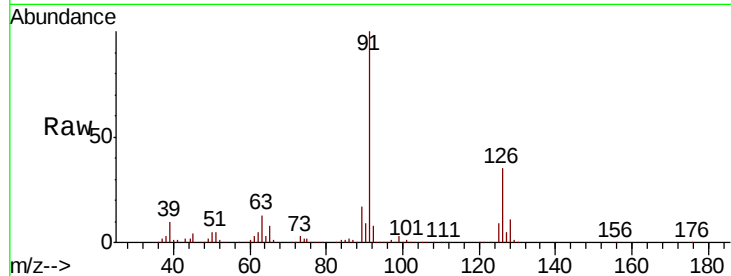
#79
 2-Chlorotoluene
 Concen: 52.094 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2414356
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.8 50.3

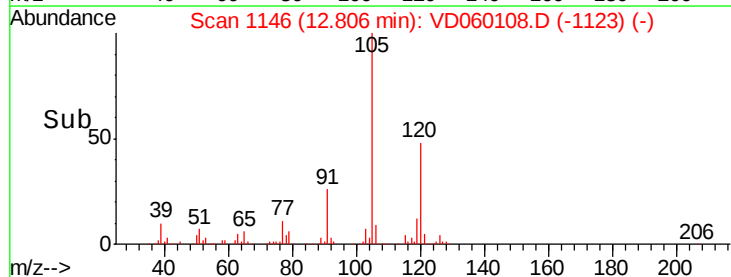
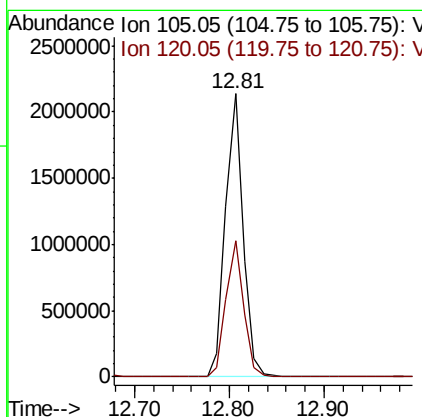
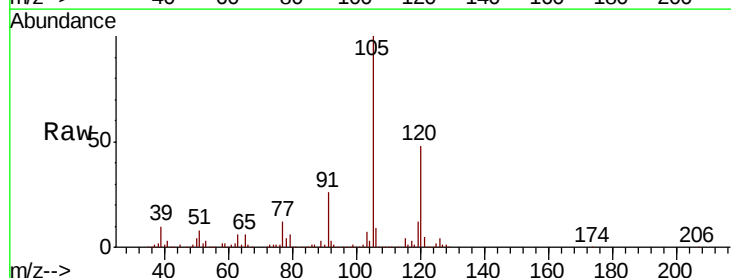
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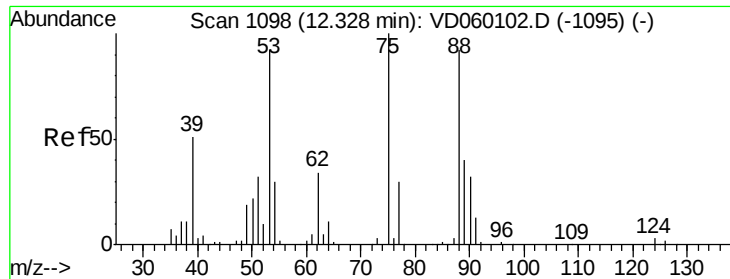
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.955 ug/l
 RT: 12.81 min Scan# 1146
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion: 105 Resp: 2756235
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.7 71.1





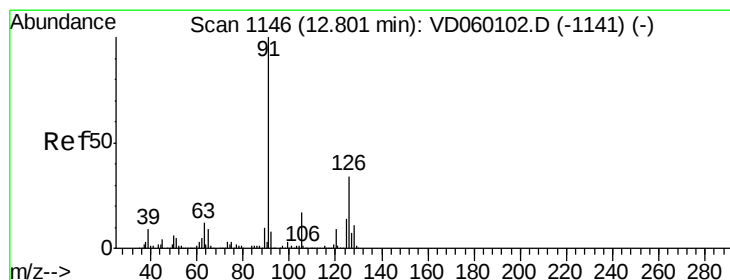
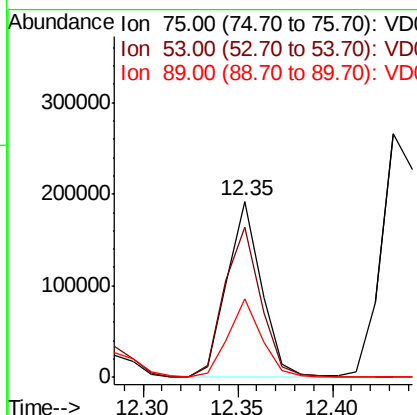
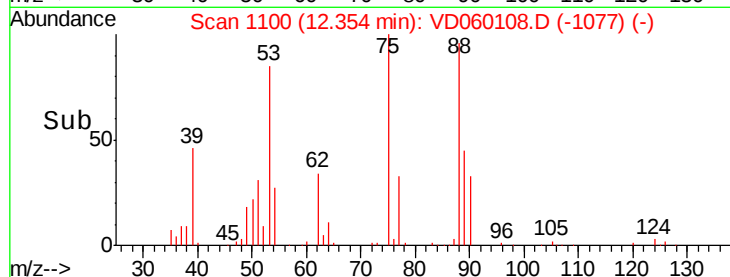
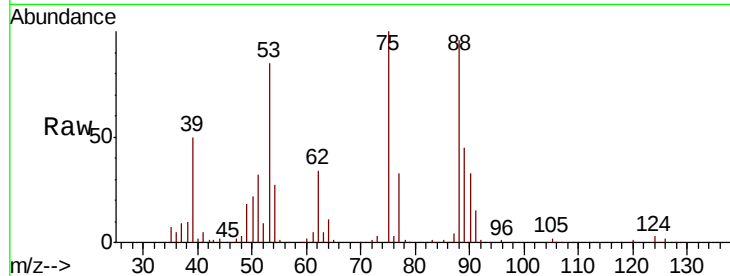
#81
trans-1,4-Dichloro-2-butene
Concen: 58.429 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.2	73.0	109.6
89	44.6	32.0	48.0

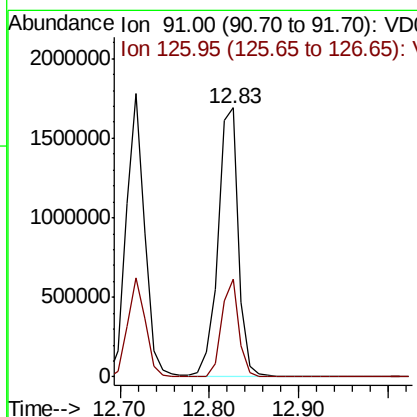
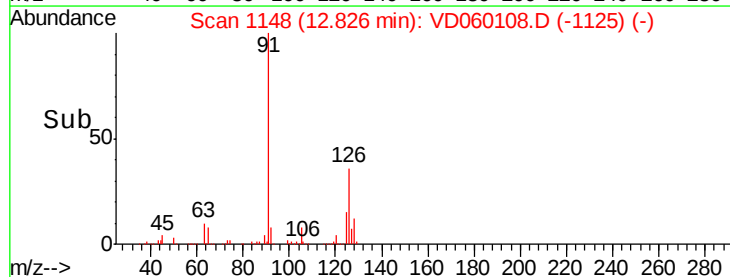
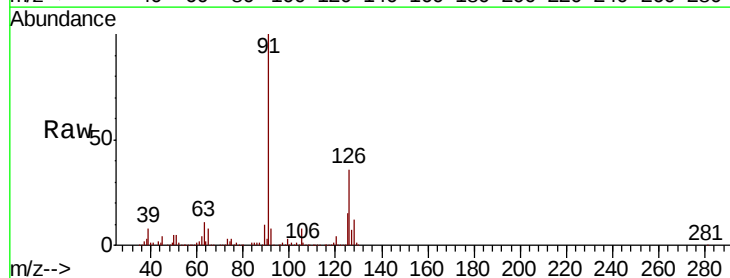
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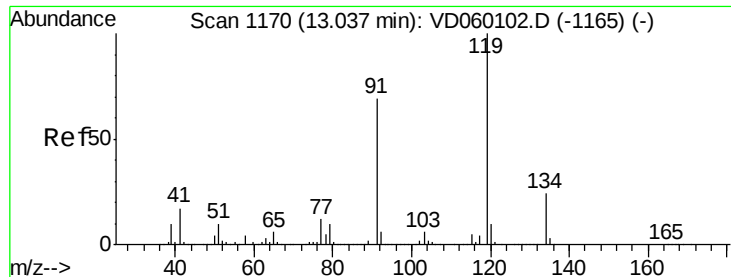
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#82
4-Chlorotoluene
Concen: 51.664 ug/l
RT: 12.83 min Scan# 1148
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.1	51.2





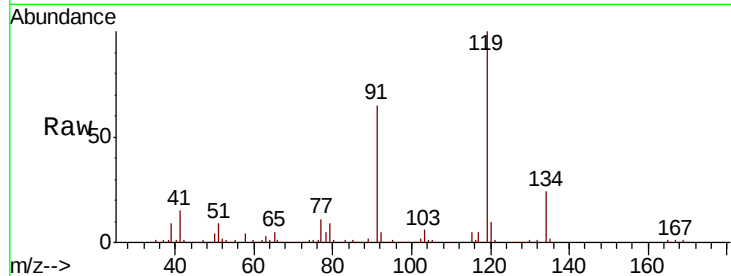
#83
tert-Butylbenzene
Concen: 51.872 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

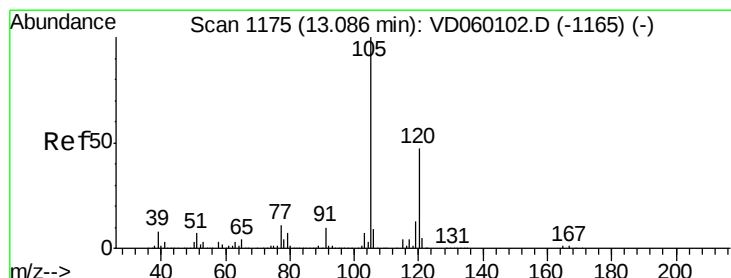
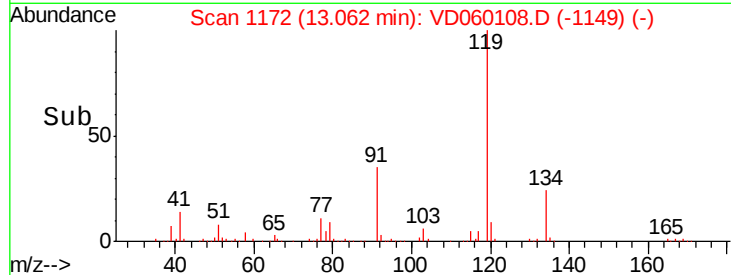
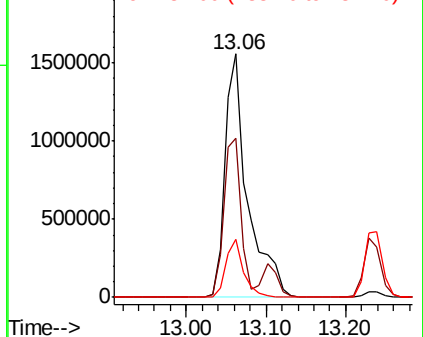
Tot Ion:119 Resp: 3098212
Ion Ratio Lower Upper
119 100
91 65.3 34.8 104.4
134 23.6 11.8 35.4

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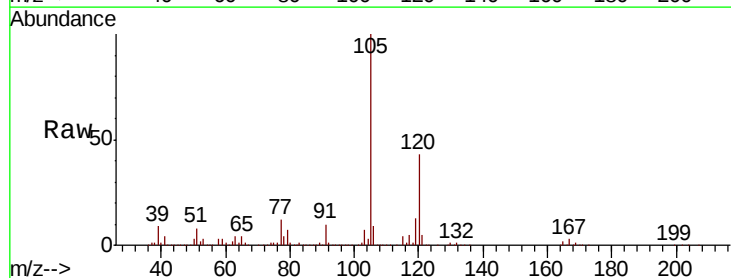


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

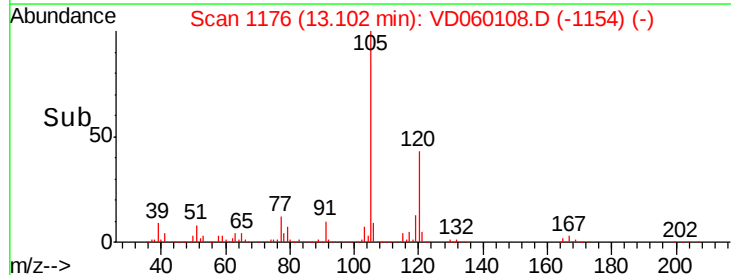
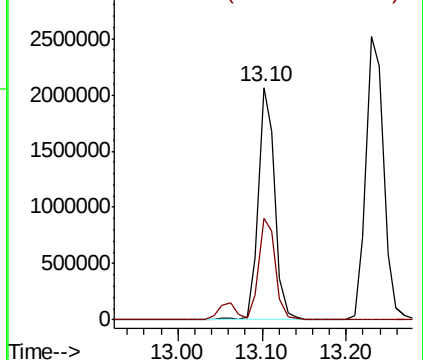


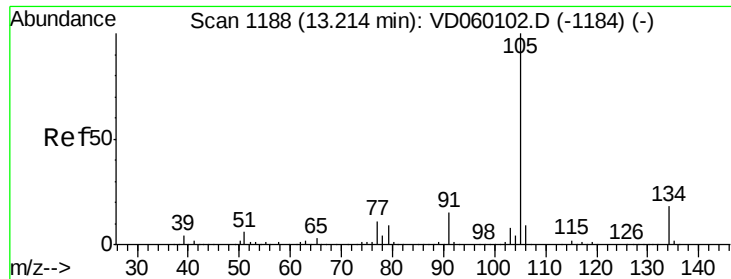
#84
1,2,4-Trimethylbenzene
Concen: 51.853 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.02 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:105 Resp: 2844471
Ion Ratio Lower Upper
105 100
120 43.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.553 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 3711356

Ion Ratio Lower Upper

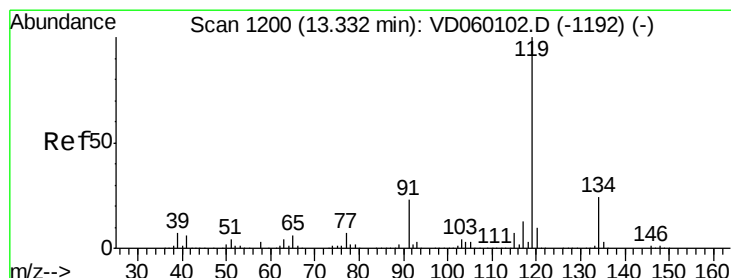
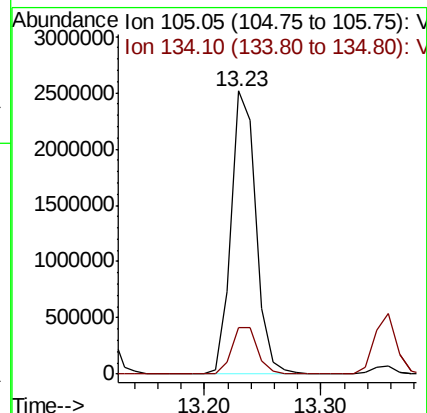
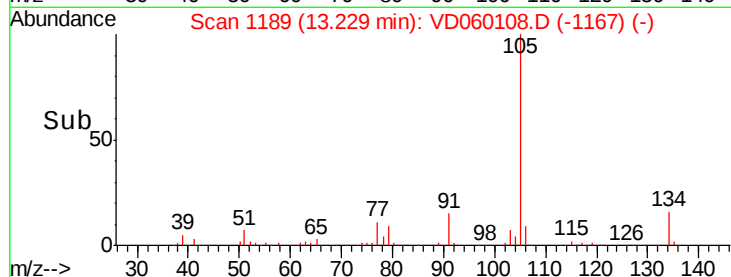
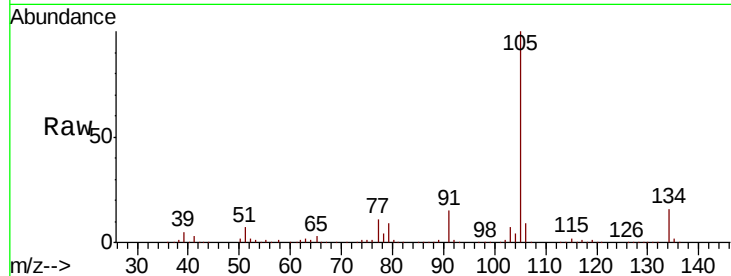
105 100

134 16.3 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 50.370 ug/l

RT: 13.36 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

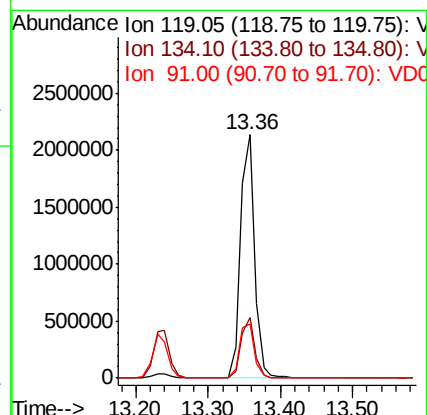
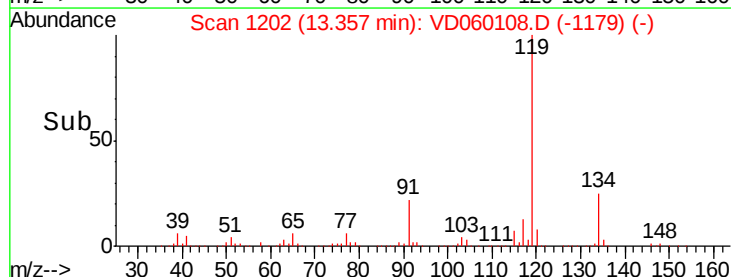
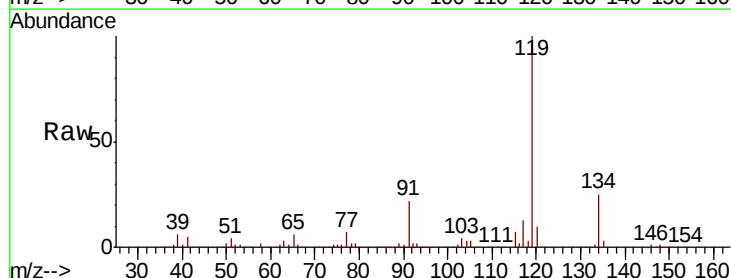
Tgt Ion:119 Resp: 2917648

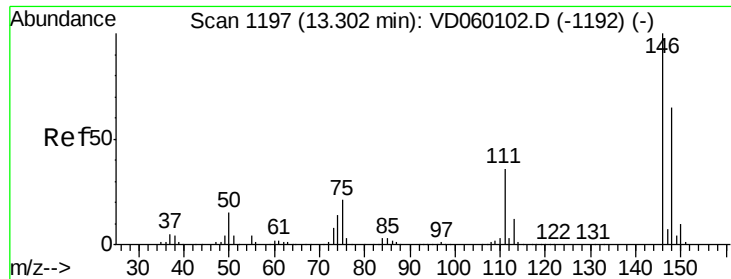
Ion Ratio Lower Upper

119 100

134 25.1 12.3 36.8

91 22.2 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 51.577 ug/l

RT: 13.33 min Scan# 1199

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1756105

Ion Ratio Lower Upper

146 100

111 33.2 18.1 54.3

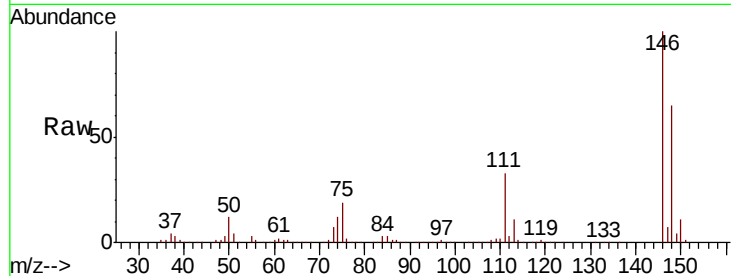
148 64.7 32.3 96.9

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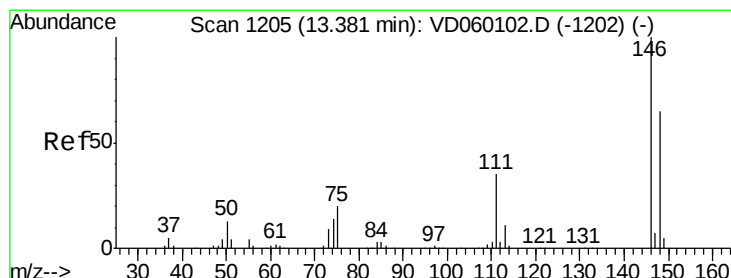
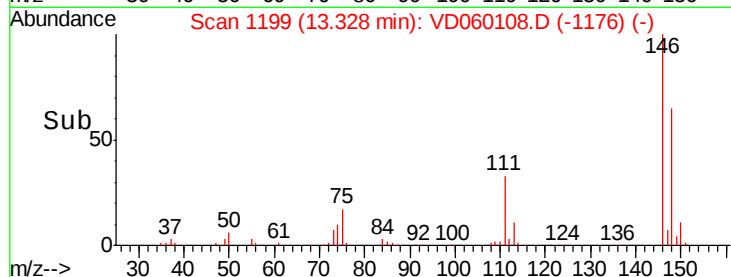
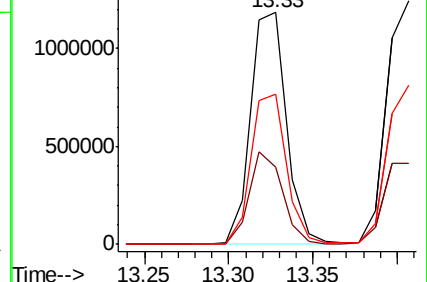
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.835 ug/l

RT: 13.41 min Scan# 1207

Delta R.T. 0.03 min

Lab File: VD060108.D

Acq: 2 Oct 2018 11:05

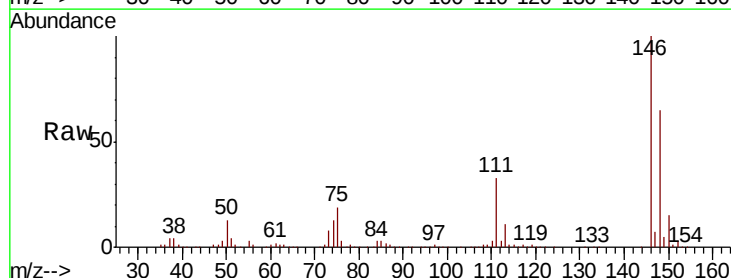
Tgt Ion:146 Resp: 1738560

Ion Ratio Lower Upper

146 100

111 33.1 17.8 53.3

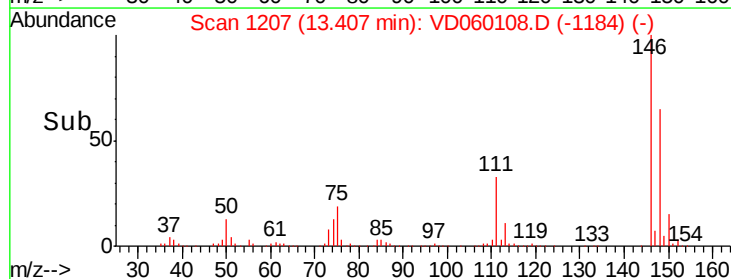
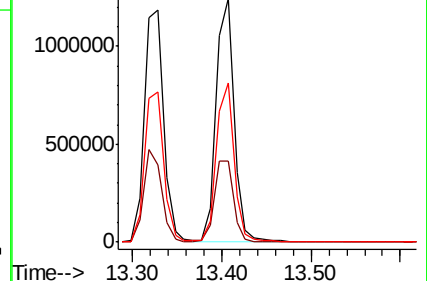
148 65.4 32.4 97.2

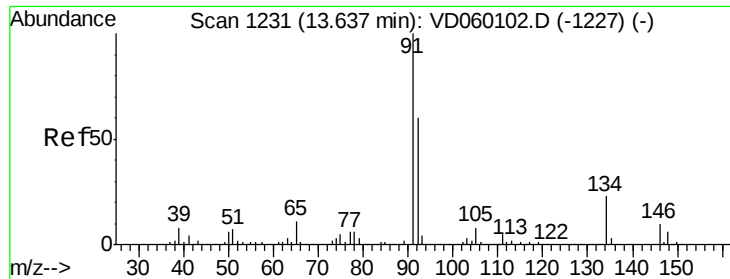


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





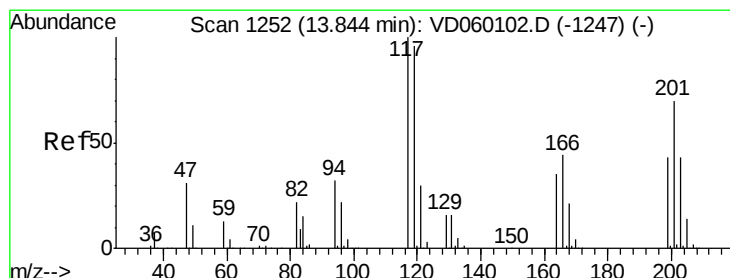
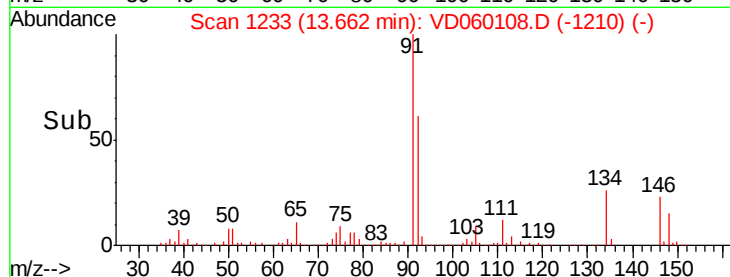
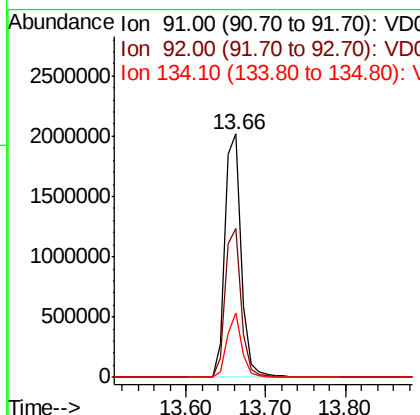
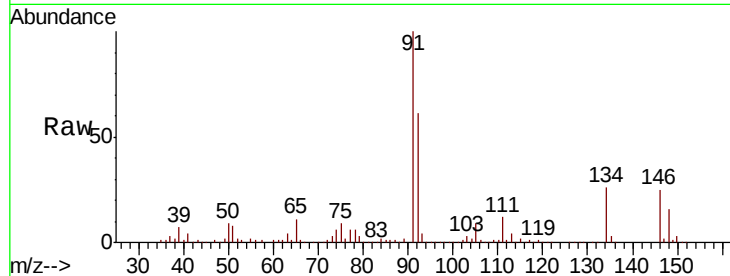
#89
n-Butylbenzene
Concen: 51.767 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2925868
Ion Ratio Lower Upper
91 100
92 61.0 30.1 90.3
134 26.3 11.6 34.7

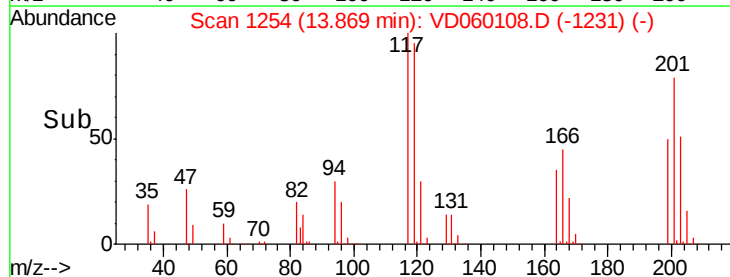
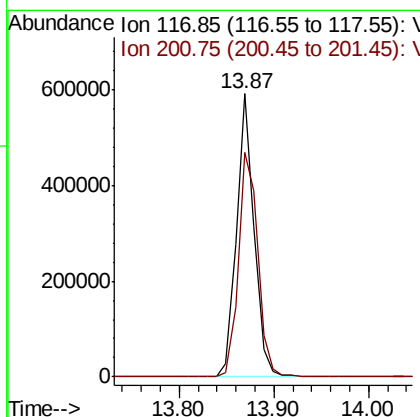
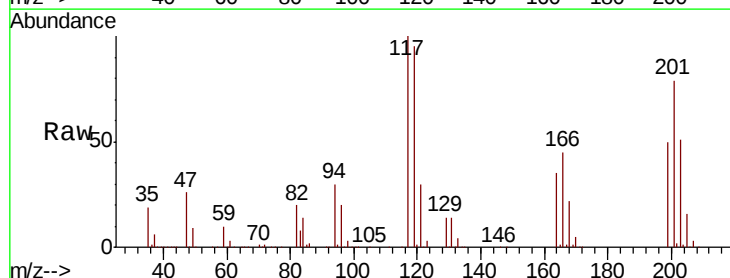
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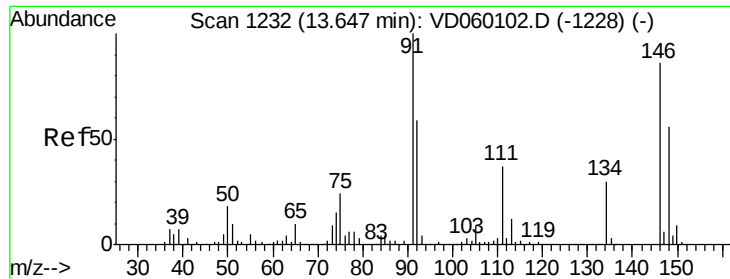
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#90
Hexachloroethane
Concen: 56.943 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion: 117 Resp: 763353
Ion Ratio Lower Upper
117 100
201 79.1 34.8 104.5





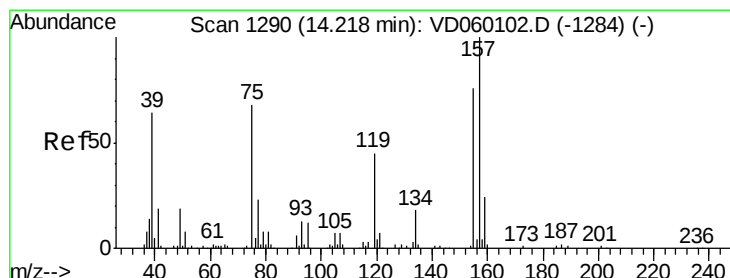
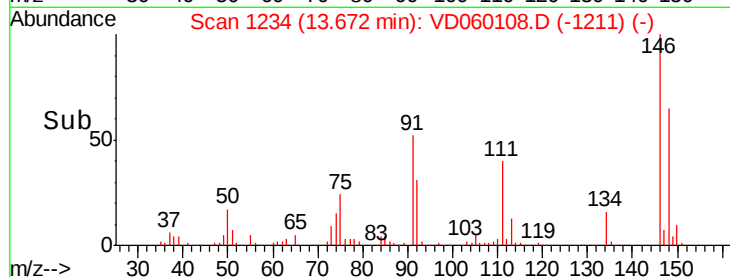
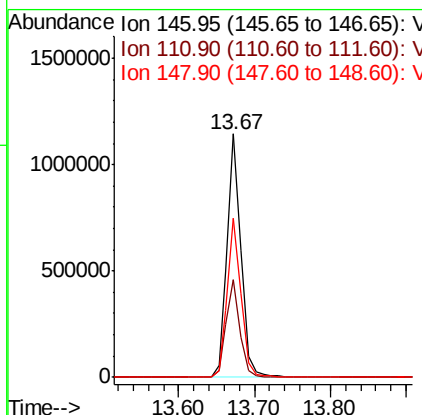
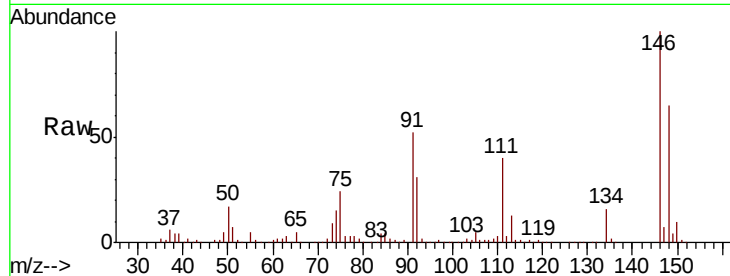
#91
 1,2-Dichlorobenzene
 Concen: 50.416 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.4	64.3
148	65.3	32.2	96.6

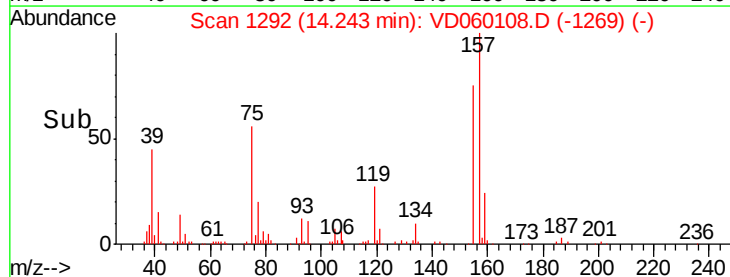
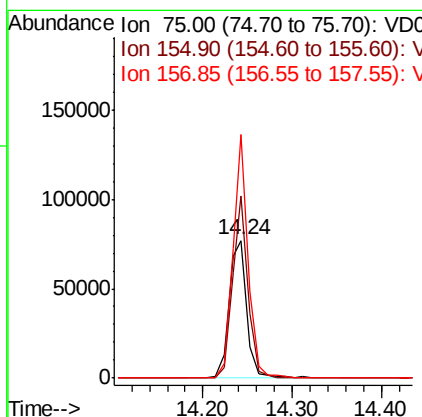
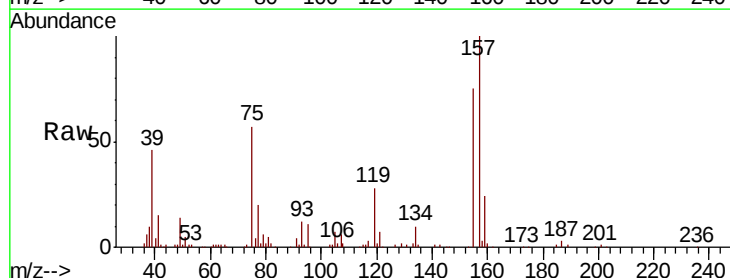
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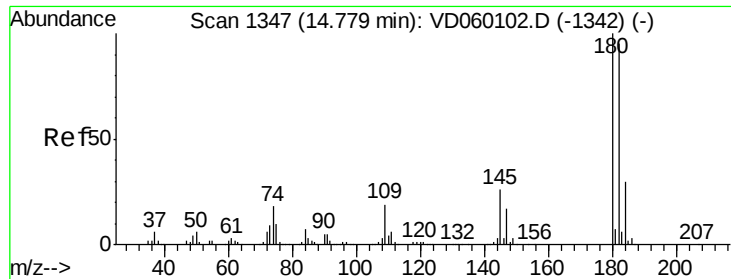
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.909 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	131.7	55.9	167.7
157	176.5	73.3	219.8





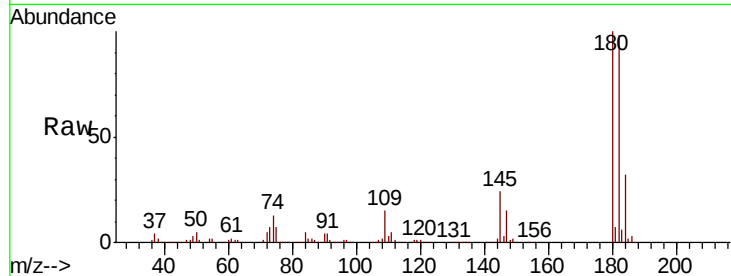
#93
 1,2,4-Trichlorobenzene
 Concen: 52.996 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

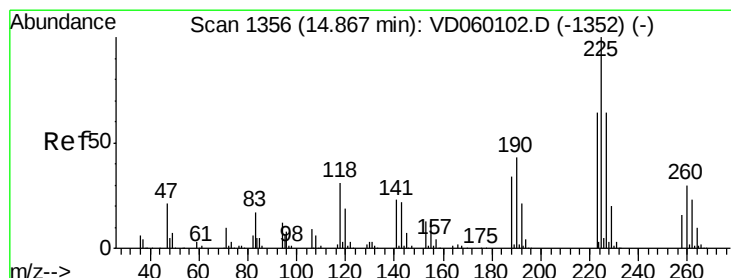
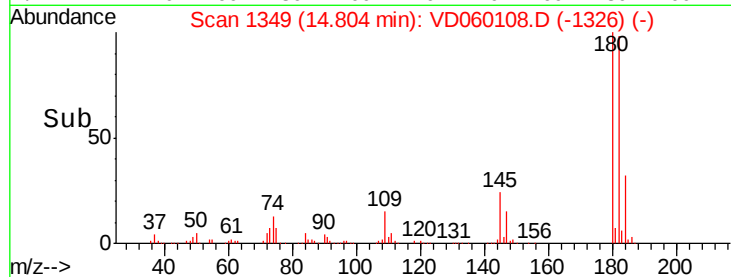
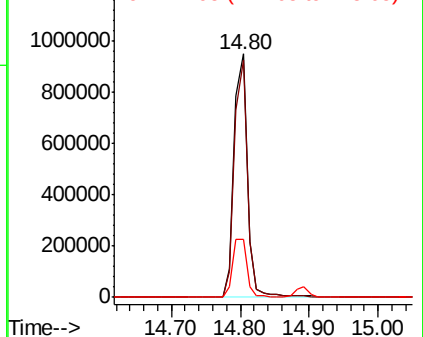
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	23.6	13.0	38.9

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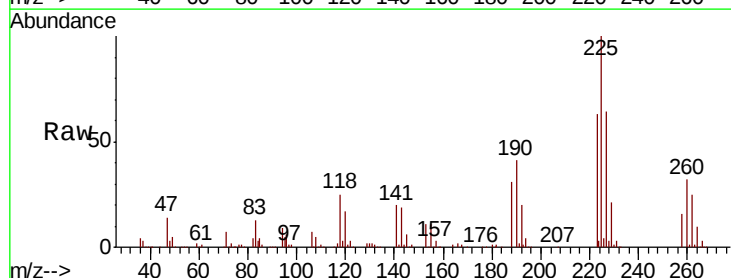


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

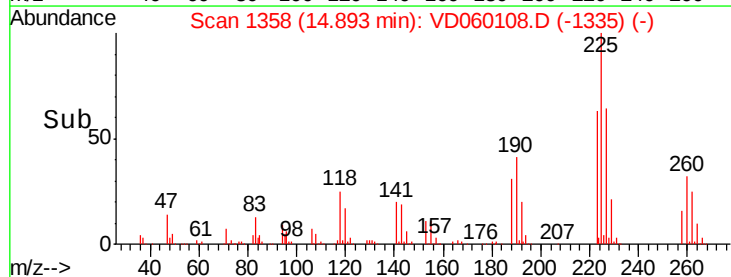
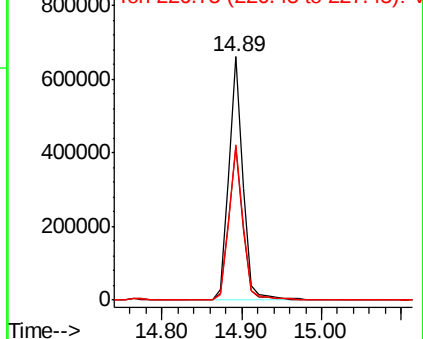


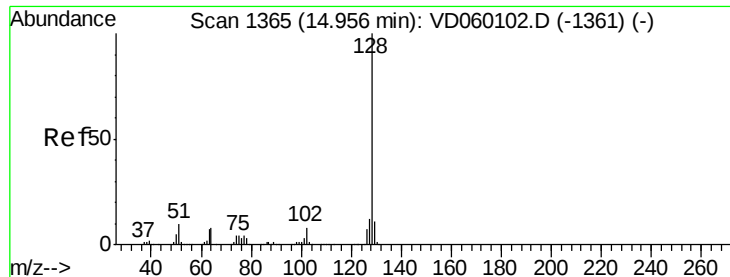
#94
 Hexachlorobutadiene
 Concen: 51.760 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.03 min
 Lab File: VD060108.D
 Acq: 2 Oct 2018 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.4
227	64.0	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





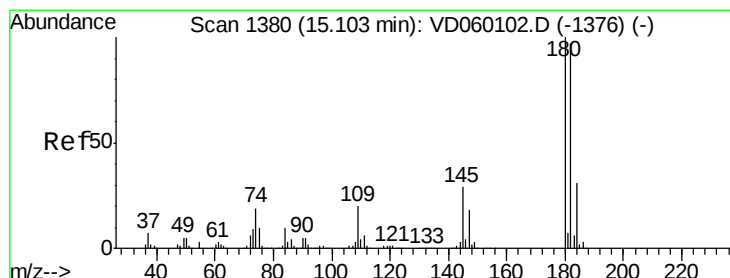
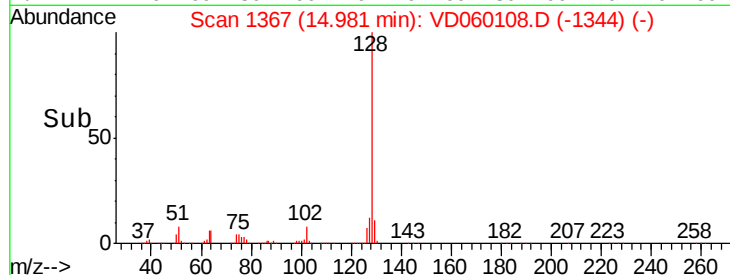
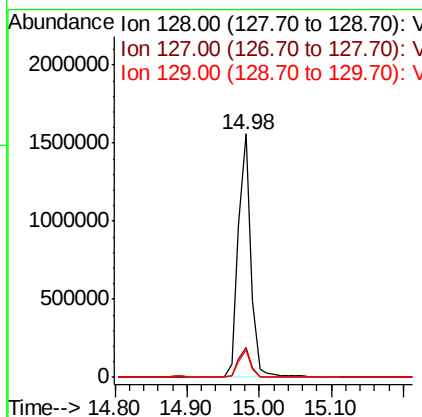
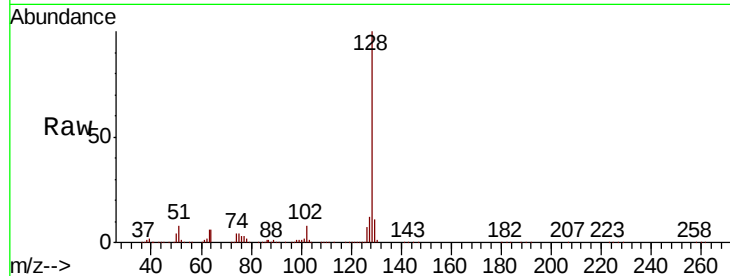
#95
Naphthalene
Concen: 53.434 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1924672
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.0 8.8 13.2

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#96
1,2,3-Trichlorobenzene
Concen: 51.430 ug/l
RT: 15.13 min Scan# 1382
Delta R.T. 0.03 min
Lab File: VD060108.D
Acq: 2 Oct 2018 11:05

Tgt Ion:180 Resp: 1087167
Ion Ratio Lower Upper
180 100
182 99.3 48.4 145.0
145 25.9 14.5 43.6

