

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060175.D
 Acq On : 24 Oct 2018 11:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Oct 25 03:47:07 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	1751964	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2485695	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1980818	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1015717	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	690309	51.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.96%	
35) Dibromofluoromethane	6.33	113	979482	51.89	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	9.46	98	2812806	52.26	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.43	95	1068843	53.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	844230	51.227	ug/l 99
3) Chloromethane	1.76	50	828988	55.785	ug/l 99
4) Vinyl Chloride	1.86	62	697877	57.384	ug/l 99
5) Bromomethane	2.14	94	106157	69.518	ug/l 95
6) Chloroethane	2.26	64	197405	59.482	ug/l 98
7) Trichlorofluoromethane	2.51	101	793539	54.494	ug/l 99
8) Diethyl Ether	2.83	74	177947	59.427	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	532764	58.728	ug/l 99
10) Methyl Iodide	3.25	142	552820	57.463	ug/l 97
11) Tert butyl alcohol	3.96	59	240903	252.934	ug/l 100
12) 1,1-Dichloroethene	3.08	96	416371	58.260	ug/l 96
13) Acrolein	2.98	56	139638	237.833	ug/l 98
14) Allyl chloride	3.54	41	862380	58.100	ug/l 98
15) Acrylonitrile	4.08	53	1054790	267.561	ug/l 98
16) Acetone	3.16	43	717443	297.728	ug/l 99
17) Carbon Disulfide	3.31	76	1310425	54.526	ug/l 100
18) Methyl Acetate	3.56	43	359422	69.396	ug/l 99
19) Methyl tert-butyl Ether	4.12	73	1730620	55.076	ug/l 99
20) Methylene Chloride	3.72	84	994191	52.642	ug/l 99
21) trans-1,2-Dichloroethene	4.10	96	975967	52.876	ug/l 99
22) Diisopropyl ether	4.85	45	3573035	53.901	ug/l 90
23) Vinyl Acetate	4.80	43	9552678	256.373	ug/l 99
24) 1,1-Dichloroethane	4.75	63	1663546	55.349	ug/l 99
25) 2-Butanone	5.62	43	1646211	273.452	ug/l 99
26) 2,2-Dichloropropane	5.59	77	1343547	58.967	ug/l 99
27) cis-1,2-Dichloroethene	5.59	96	1064567	54.437	ug/l 93
28) Bromochloromethane	5.92	49	757990	51.898	ug/l 97
29) Tetrahydrofuran	5.95	42	916805	262.186	ug/l 99
30) Chloroform	6.10	83	1670087	54.932	ug/l 99
31) Cyclohexane	6.37	56	1445465	50.240	ug/l 99
32) 1,1,1-Trichloroethane	6.30	97	1413979	56.768	ug/l 98
36) 1,1-Dichloropropene	6.52	75	1222099	51.450	ug/l 99
37) Ethyl Acetate	5.70	43	779343	49.431	ug/l 97
38) Carbon Tetrachloride	6.49	117	1166727	54.119	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1395881	51.722	ug/l	97
40) Benzene	6.80	78	3161692	50.879	ug/l	99
41) Methacrylonitrile	5.93	41	451683m	50.686	ug/l	
42) 1,2-Dichloroethane	6.90	62	940860	52.810	ug/l	99
43) Isopropyl Acetate	8.34	43	1061009	51.152	ug/l #	98
44) Trichloroethene	7.74	130	973101	50.587	ug/l	99
45) 1,2-Dichloropropane	8.10	63	875964	53.835	ug/l	99
46) Dibromomethane	8.22	93	551669	52.368	ug/l	97
47) Bromodichloromethane	8.49	83	1240714	55.276	ug/l	100
48) Methyl methacrylate	8.25	41	633287	53.600	ug/l	99
49) 1,4-Dioxane	8.23	88	122360	1052.545	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3367033	257.363	ug/l	99
52) Toluene	9.54	92	2085499	52.110	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1108586	54.584	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1358754	54.177	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	684278	52.301	ug/l	99
56) Ethyl methacrylate	10.03	69	756603	52.388	ug/l	93
57) 1,3-Dichloropropane	10.38	76	1018493	51.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	1962492	244.701	ug/l	100
59) 2-Hexanone	10.49	43	2558187	271.928	ug/l	97
60) Dibromochloromethane	10.64	129	885805	55.181	ug/l	96
61) 1,2-Dibromoethane	10.75	107	731950	52.652	ug/l	100
64) Tetrachloroethene	10.25	164	903634	52.085	ug/l	97
65) Chlorobenzene	11.32	112	2223922	51.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	760015	53.164	ug/l	99
67) Ethyl Benzene	11.42	91	3582648	51.602	ug/l	100
68) m/p-Xylenes	11.56	106	2742885	105.735	ug/l	98
69) o-Xylene	11.94	106	1390042	54.173	ug/l	99
70) Styrene	11.96	104	2296127	53.510	ug/l	100
71) Bromoform	12.11	173	652414	56.360	ug/l	98
73) Isopropylbenzene	12.28	105	3761084	56.128	ug/l	100
74) N-amyl acetate	12.13	43	1353803	55.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	775666	53.022	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	811277	55.462	ug/l	99
77) Bromobenzene	12.54	156	1051680	54.009	ug/l	99
78) n-propylbenzene	12.63	91	4691793	56.388	ug/l	100
79) 2-Chlorotoluene	12.70	91	2513642	54.432	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2849247	54.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	240102	58.417	ug/l	99
82) 4-Chlorotoluene	12.81	91	2828450	54.152	ug/l	99
83) tert-Butylbenzene	13.05	119	3318153	55.755	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2890514	52.883	ug/l	99
85) sec-Butylbenzene	13.22	105	3943731	56.045	ug/l	99
86) p-Isopropyltoluene	13.34	119	3049657	52.839	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1769296	52.152	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1704476	50.019	ug/l	100
89) n-Butylbenzene	13.65	91	3031879	53.836	ug/l	98
90) Hexachloroethane	13.85	117	824415	61.720	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	1490635	52.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	110435	56.538	ug/l	89

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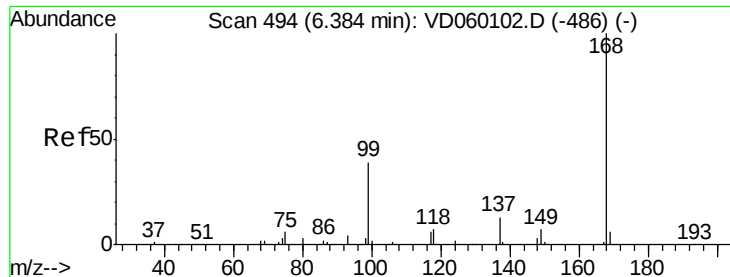
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1269499	52.432	ug/l	97
94) Hexachlorobutadiene	14.88	225	853826	53.052	ug/l	99
95) Naphthalene	14.97	128	1904474	53.064	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1083031	51.420	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1751964

Ion Ratio Lower Upper

168 100

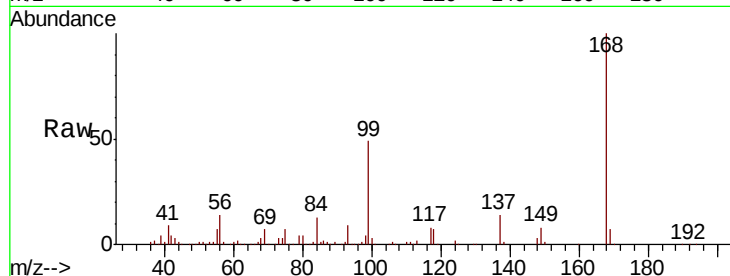
99 49.3 35.4 53.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

600000

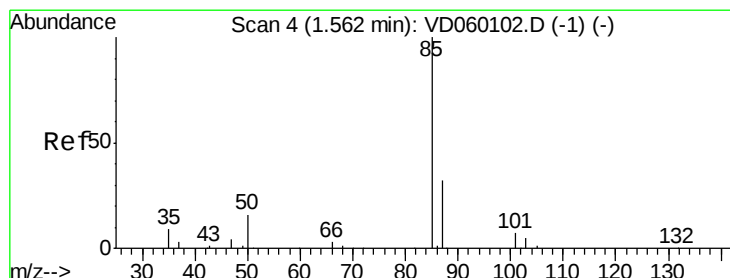
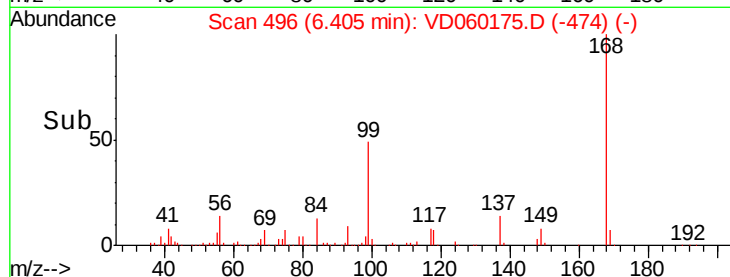
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 51.227 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060175.D

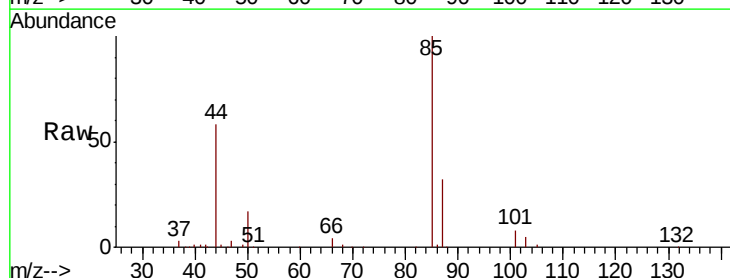
Acq: 24 Oct 2018 11:38

Tgt Ion: 85 Resp: 844230

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

300000

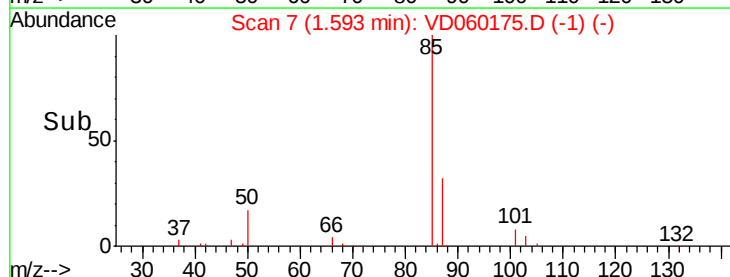
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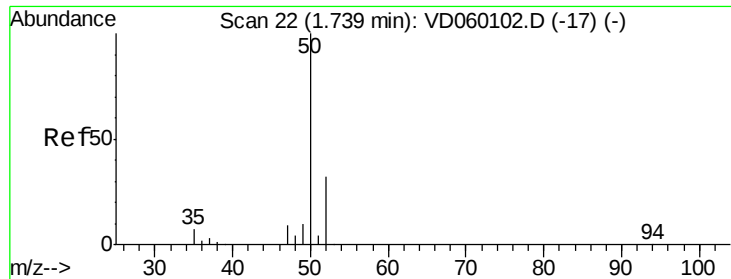
100000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 55.785 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 828988

Ion Ratio Lower Upper

50 100

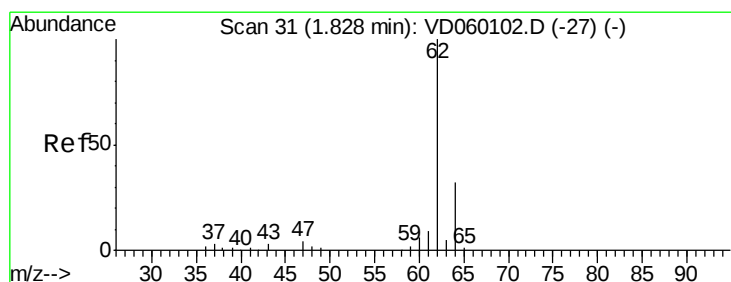
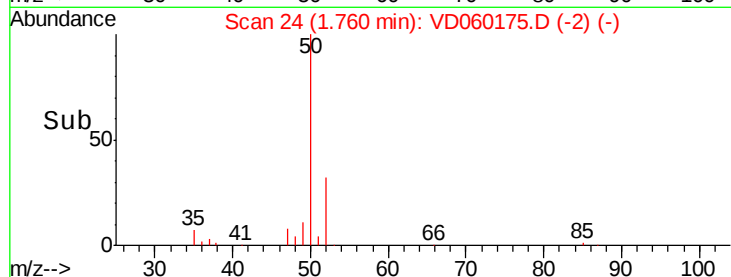
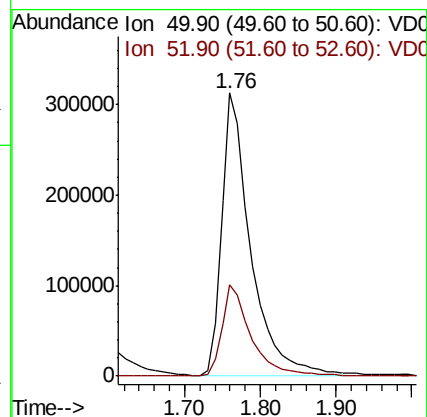
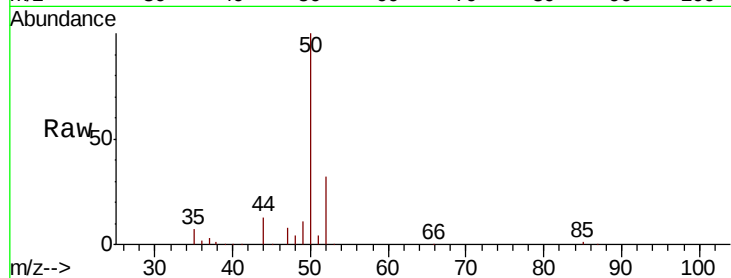
52 32.3 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 57.384 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060175.D

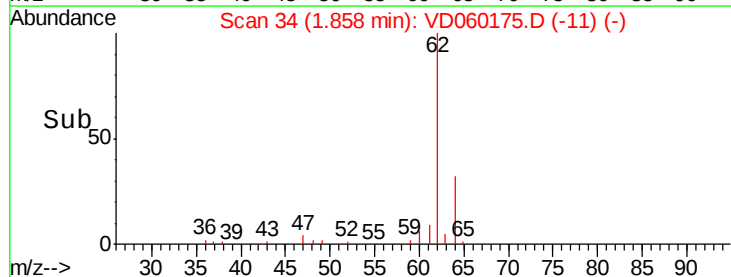
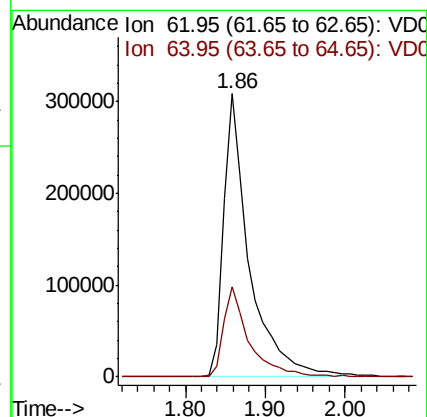
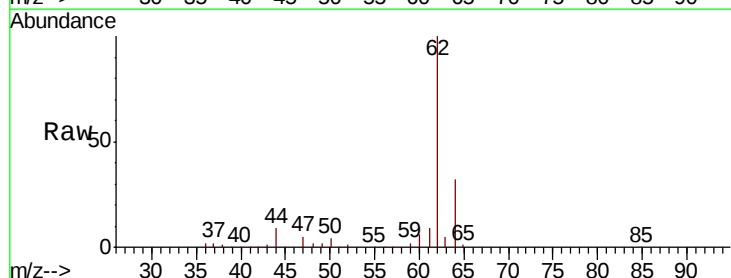
Acq: 24 Oct 2018 11:38

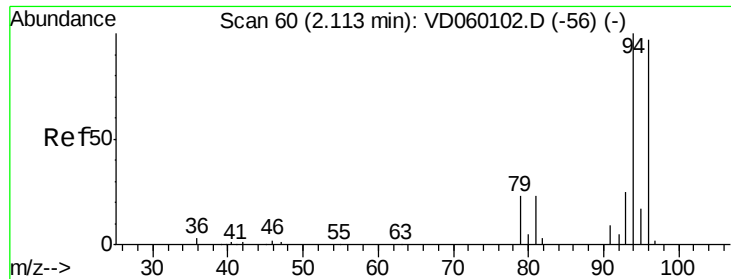
Tgt Ion: 62 Resp: 697877

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





#5

Bromomethane

Concen: 69.518 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

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Tot Ion: 94 Resp: 106157

Ion Ratio Lower Upper

94 100

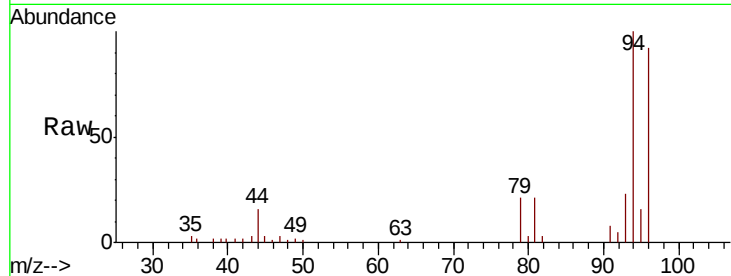
96 92.3 77.4 116.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

40000

30000

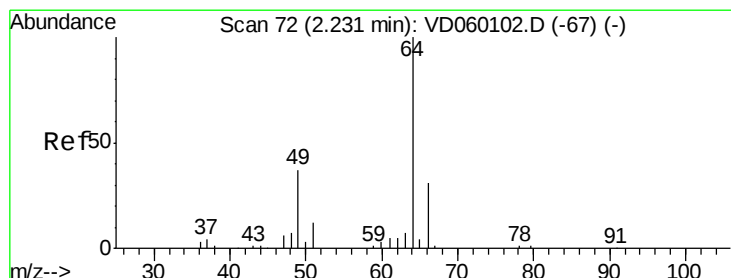
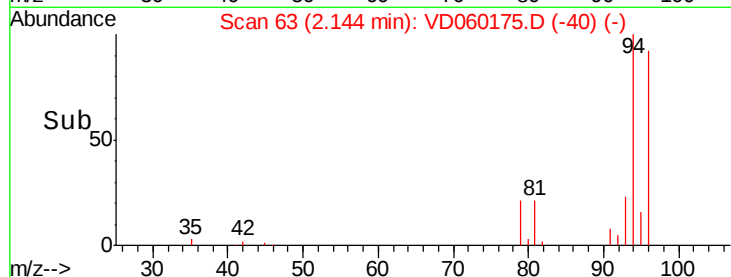
20000

10000

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Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 59.482 ug/l

RT: 2.26 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD060175.D

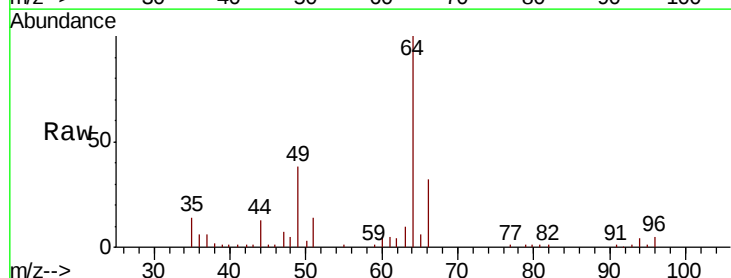
Acq: 24 Oct 2018 11:38

Tgt Ion: 64 Resp: 197405

Ion Ratio Lower Upper

64 100

66 32.1 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

80000

60000

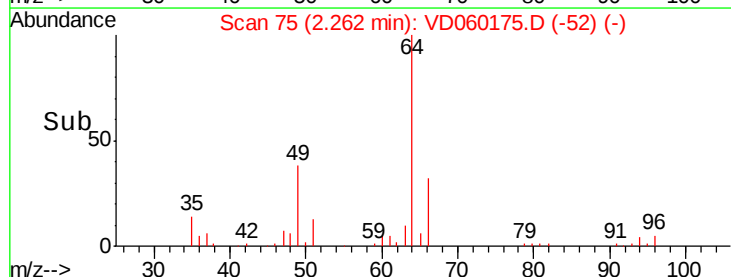
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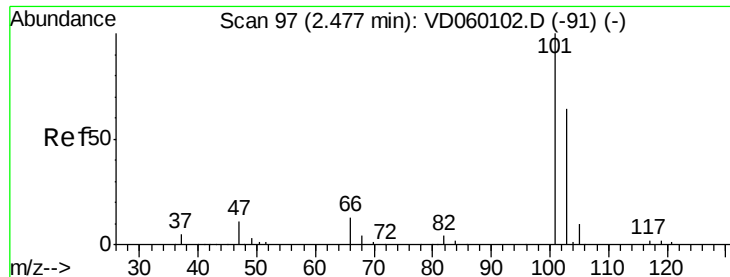
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Time-->

2.20 2.30 2.40





#7

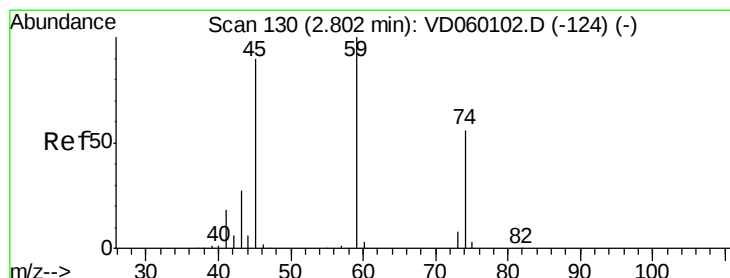
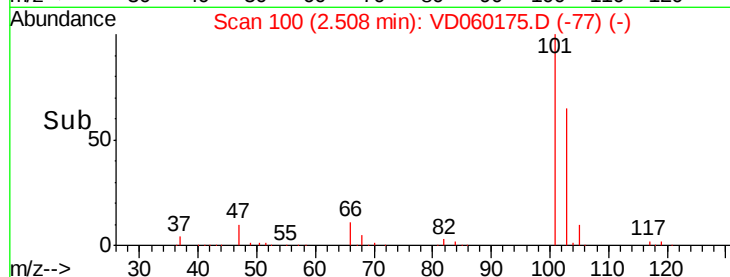
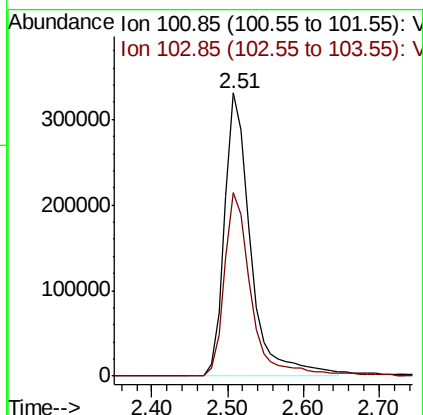
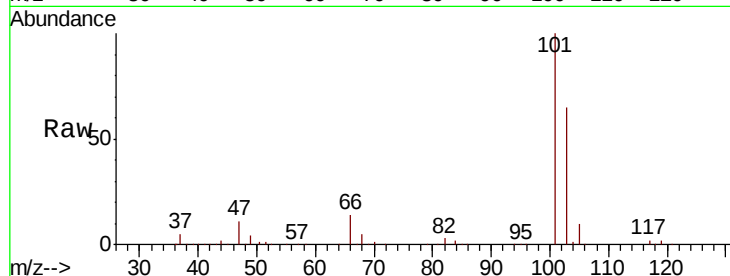
Trichlorofluoromethane
 Concen: 54.494 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

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Tot Ion:101 Resp: 793539
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

Manual Integrations
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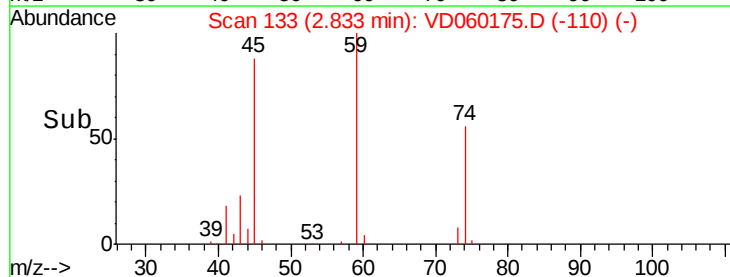
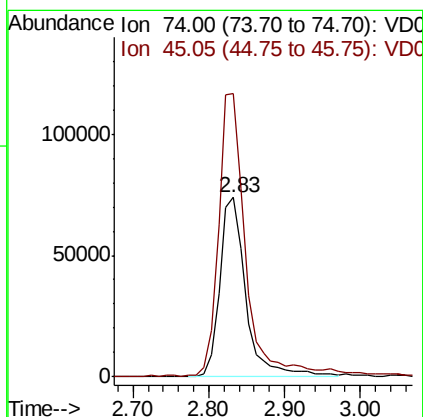
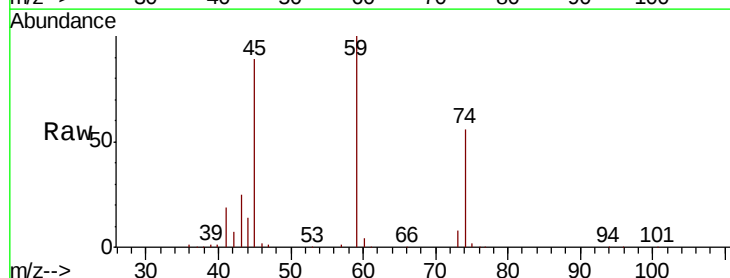
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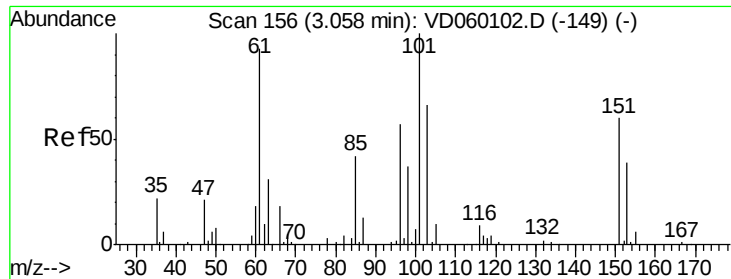


#8

Diethyl Ether
 Concen: 59.427 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 74 Resp: 177947
 Ion Ratio Lower Upper
 74 100
 45 158.0 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.728 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

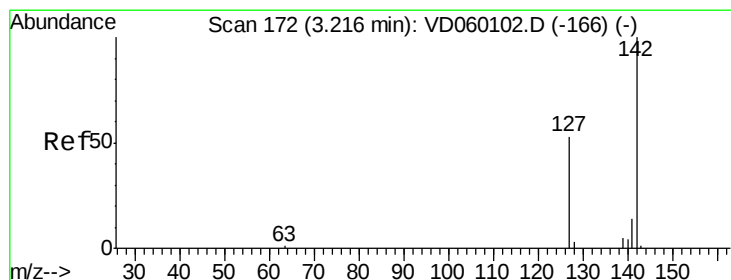
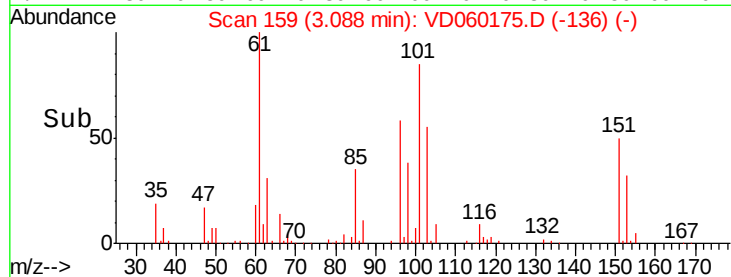
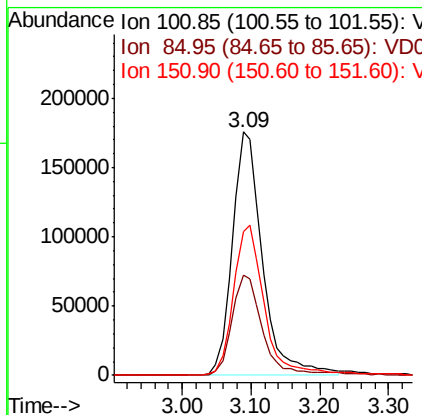
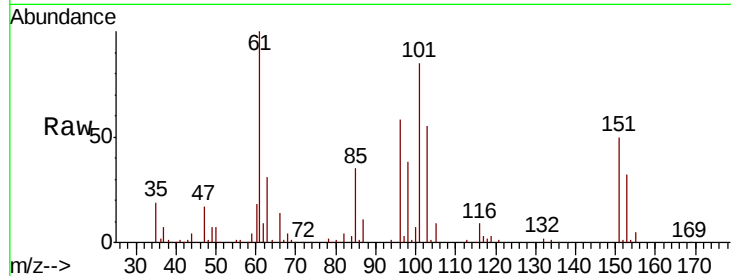
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	532764
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	58.8	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 57.463 ug/l

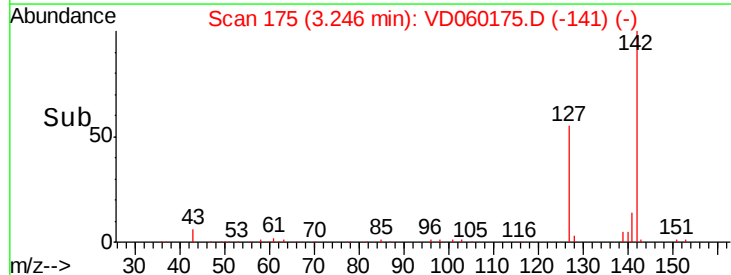
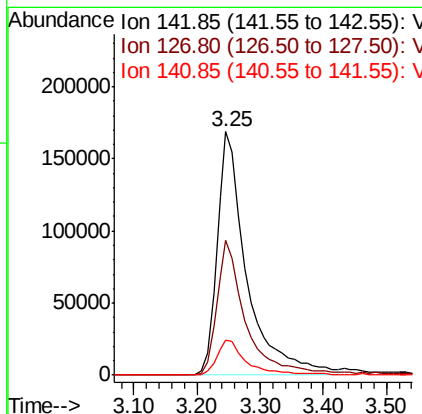
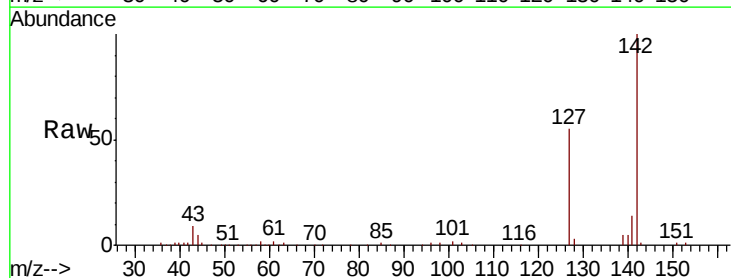
RT: 3.25 min Scan# 175

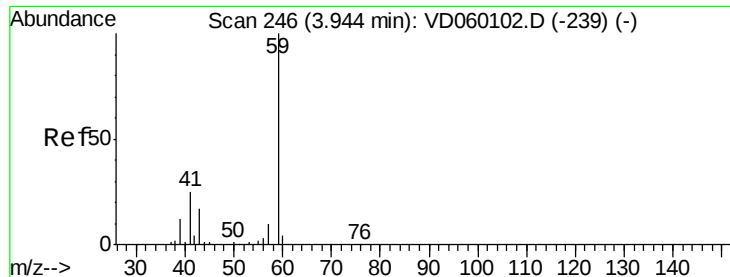
Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion:	142	Resp:	552820
Ion Ratio	Lower	Upper	
142	100		
127	55.2	42.0	63.0
141	14.1	11.4	17.0





#11

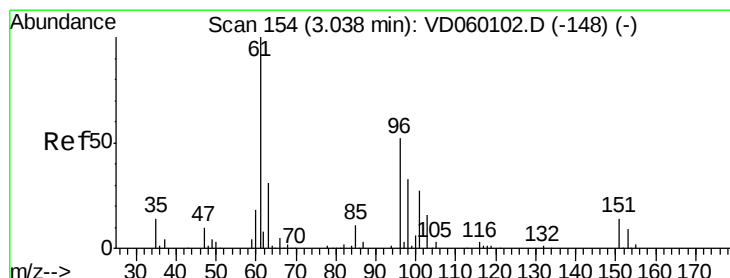
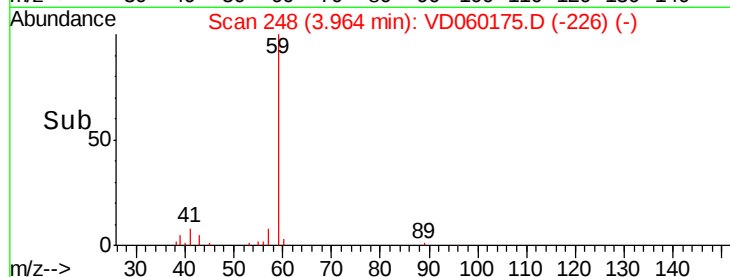
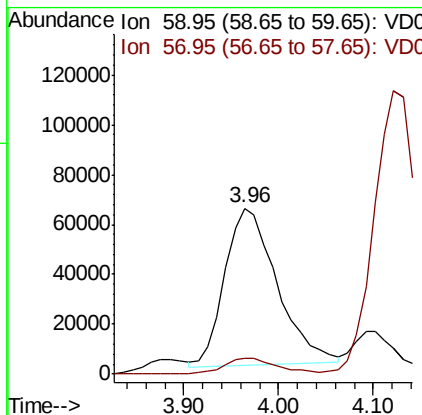
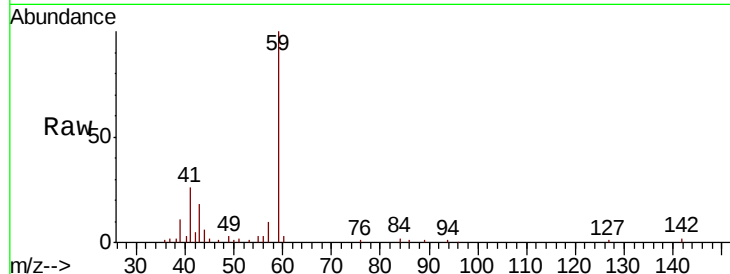
Tert butyl alcohol
Concen: 252.934 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

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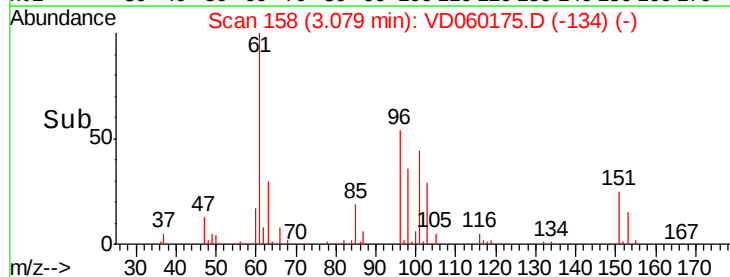
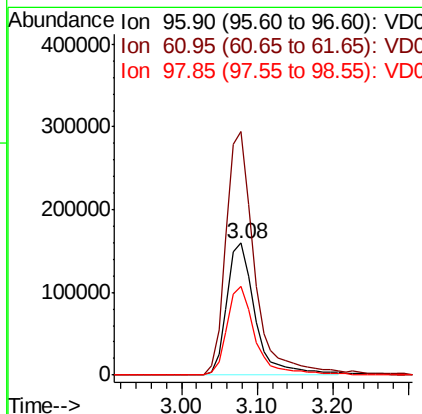
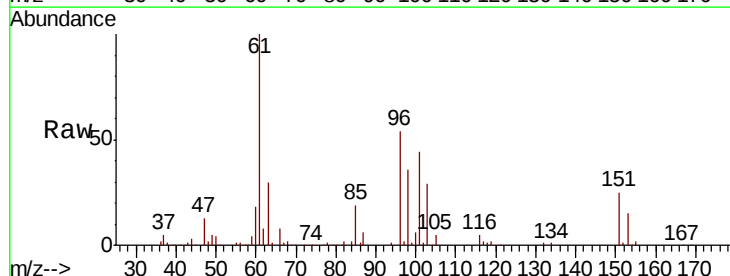
apatel
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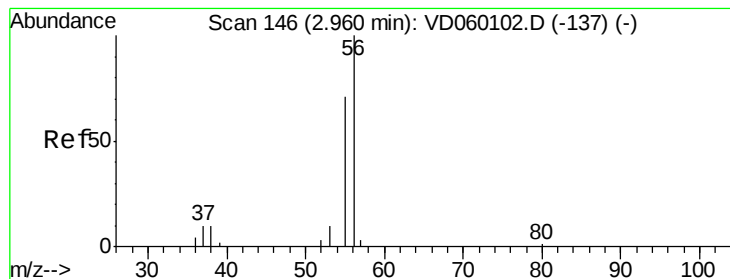


#12

1,1-Dichloroethene
Concen: 58.260 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.04 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	153.0	229.4
98	67.1	51.1	76.7





#13

Acrolein

Concen: 237.833 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 139638

Ion Ratio Lower Upper

56 100

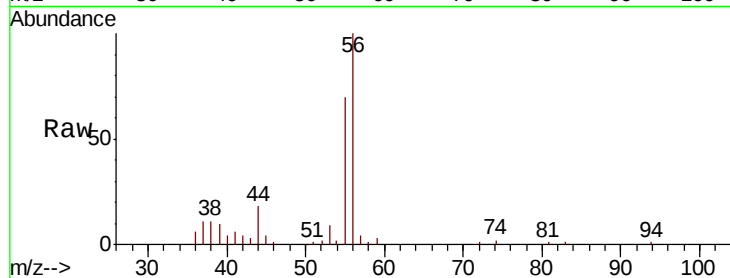
55 69.7 57.4 86.2

Manual Integrations

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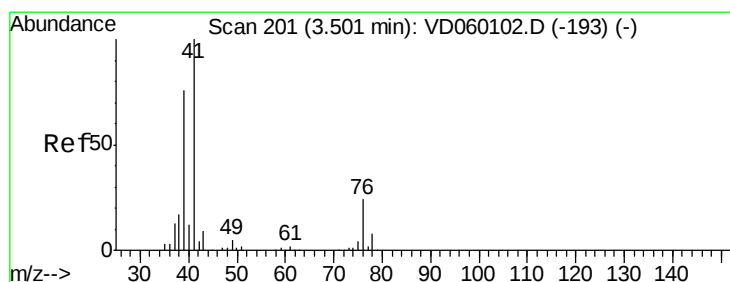
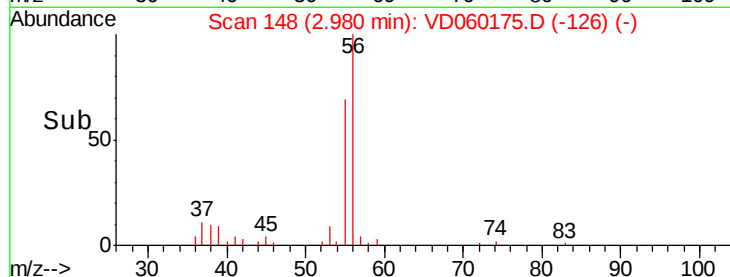
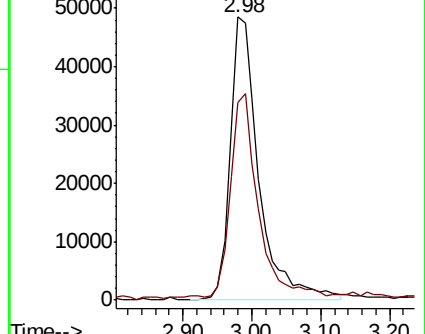
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.100 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

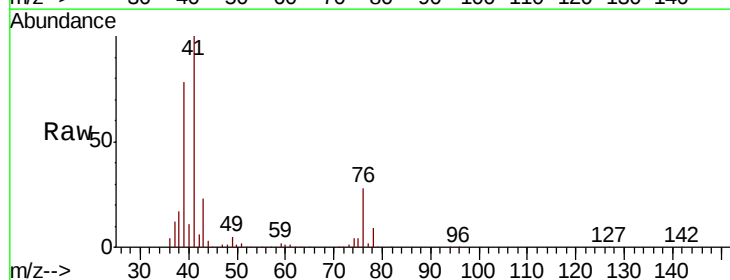
Tgt Ion: 41 Resp: 862380

Ion Ratio Lower Upper

41 100

39 77.7 60.6 90.8

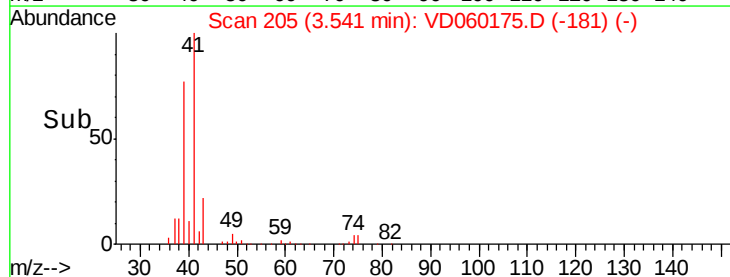
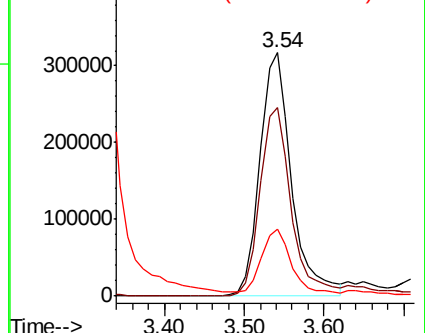
76 27.7 21.3 31.9

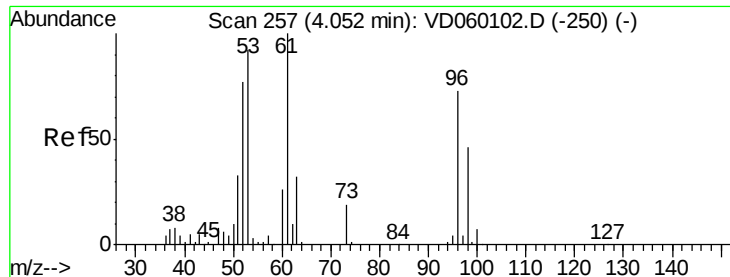


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.561 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1054790

Ion Ratio Lower Upper

53 100

52 85.8 67.5 101.3

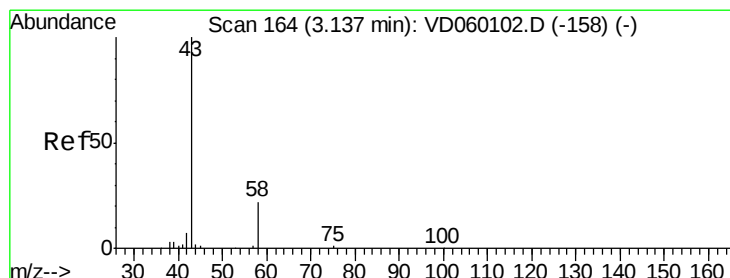
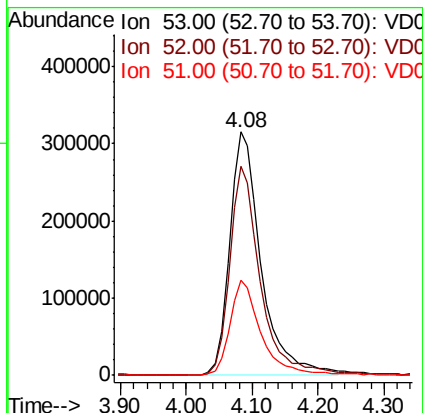
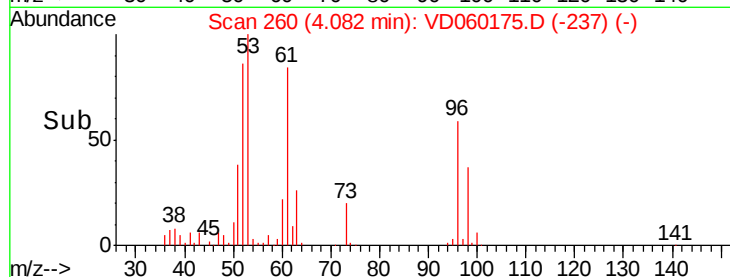
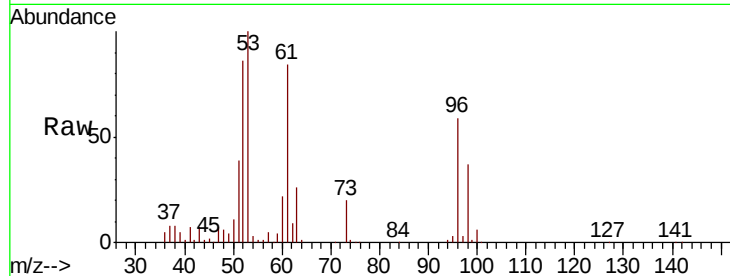
51 39.3 29.3 43.9

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#16

Acetone

Concen: 297.728 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060175.D

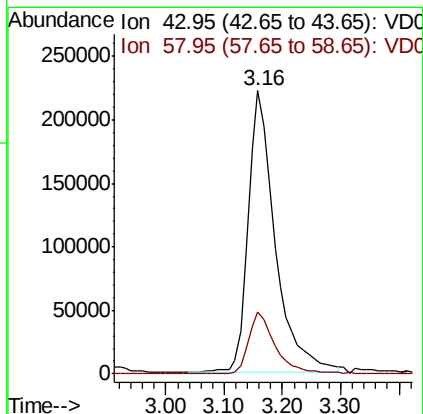
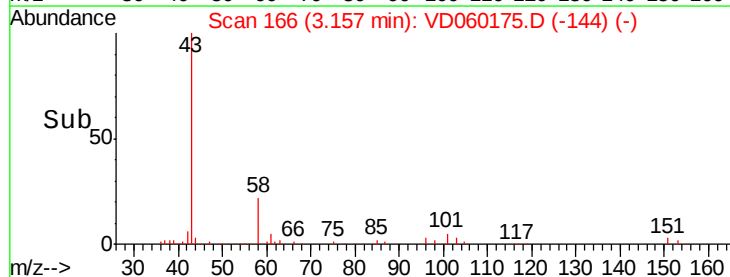
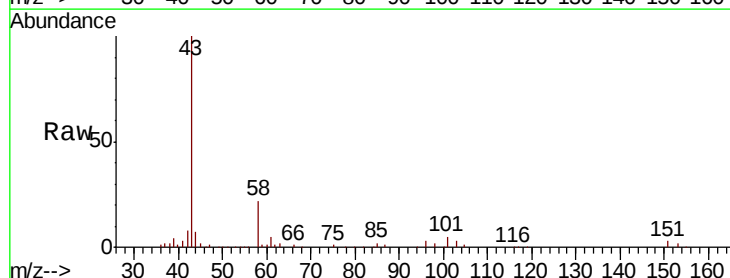
Acq: 24 Oct 2018 11:38

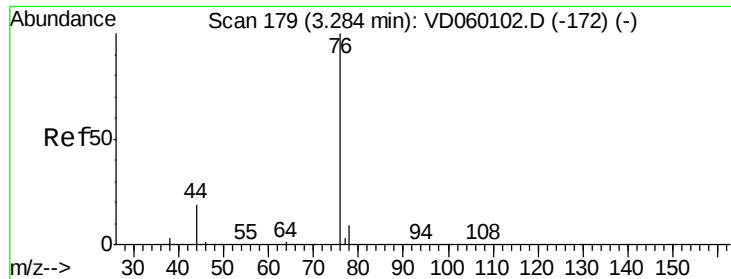
Tgt Ion: 43 Resp: 717443

Ion Ratio Lower Upper

43 100

58 21.8 17.7 26.5





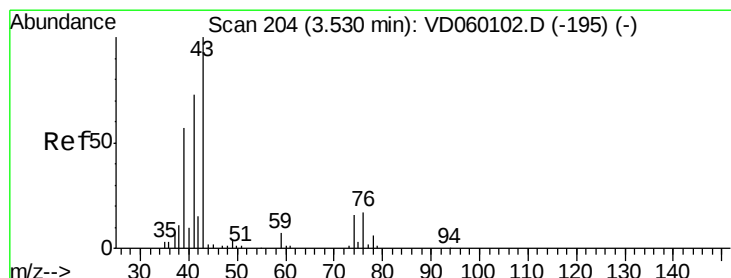
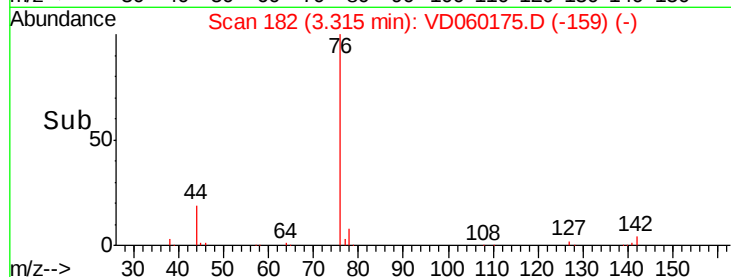
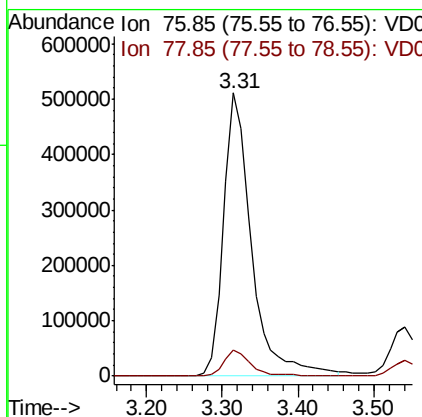
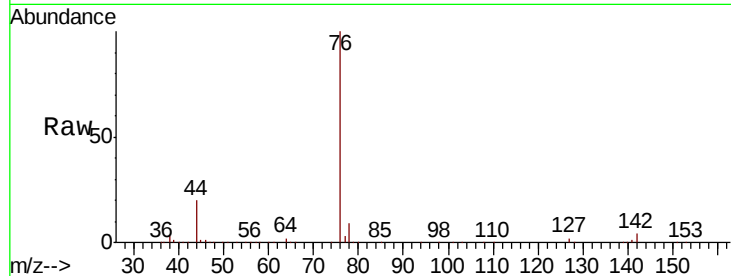
#17
Carbon Disulfide
Concen: 54.526 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1310425
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

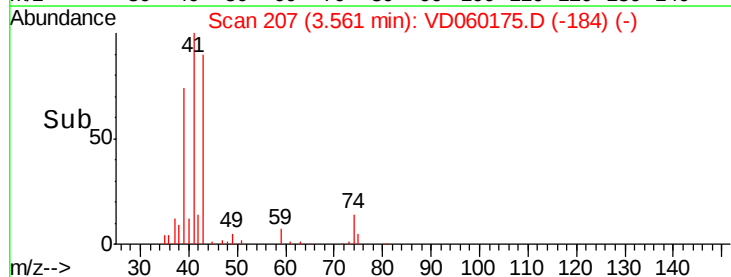
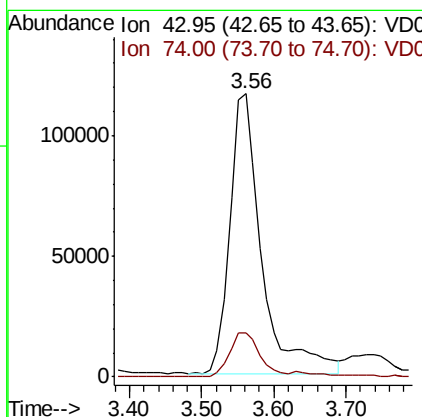
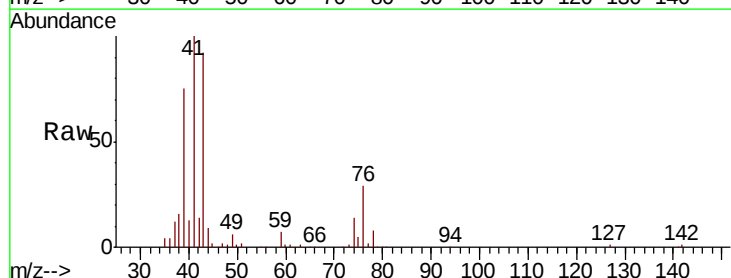
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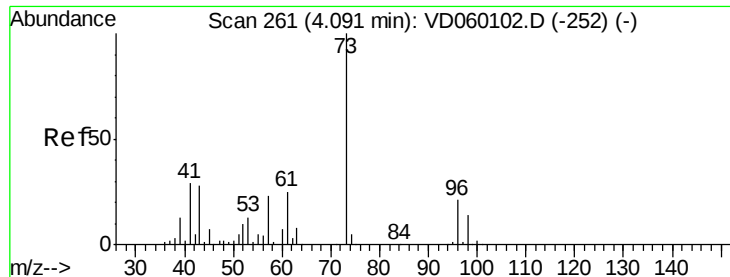
apatel
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#18
Methyl Acetate
Concen: 69.396 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 43 Resp: 359422
Ion Ratio Lower Upper
43 100
74 15.5 12.6 19.0





#19

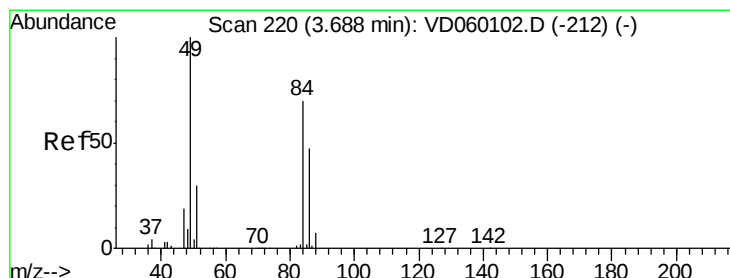
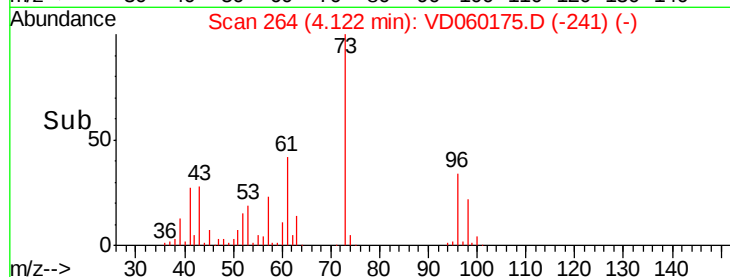
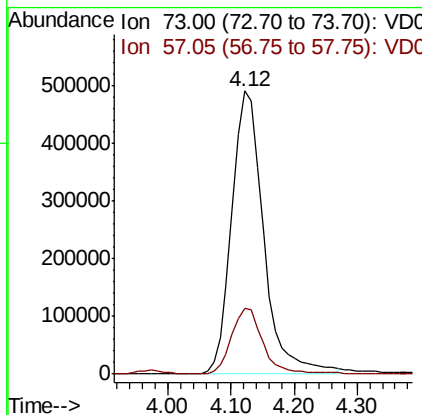
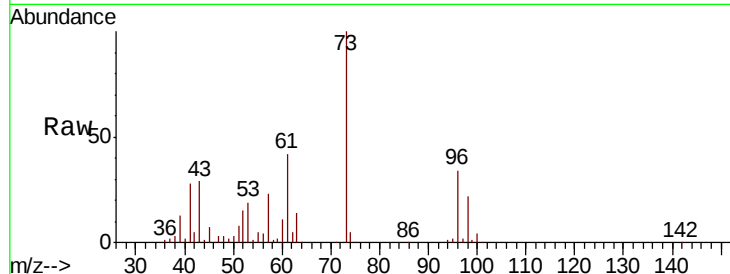
Methyl tert-butyl Ether
 Concen: 55.076 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1730620
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.7 28.1

Manual Integrations
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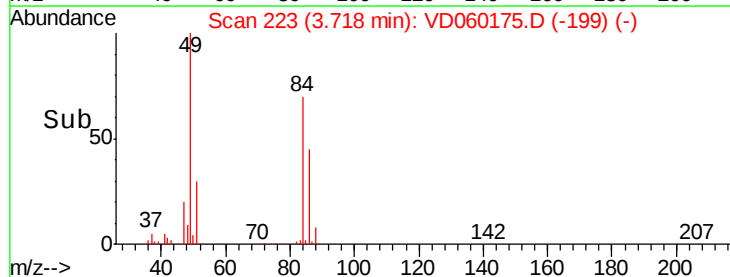
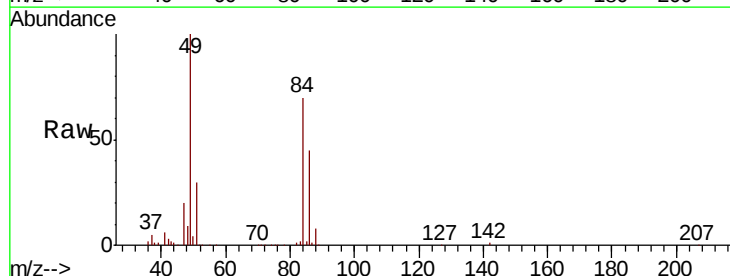
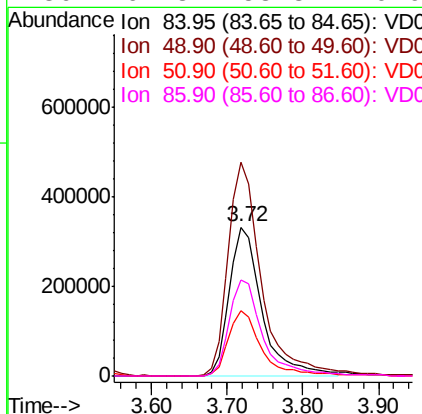
apatel
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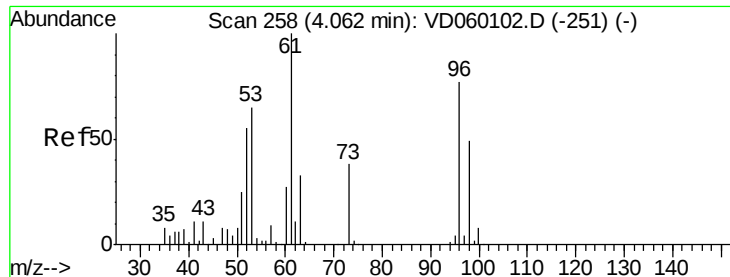


#20

Methylene Chloride
 Concen: 52.642 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 84 Resp: 994191
 Ion Ratio Lower Upper
 84 100
 49 143.8 114.6 172.0
 51 43.8 33.8 50.8
 86 64.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 52.876 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

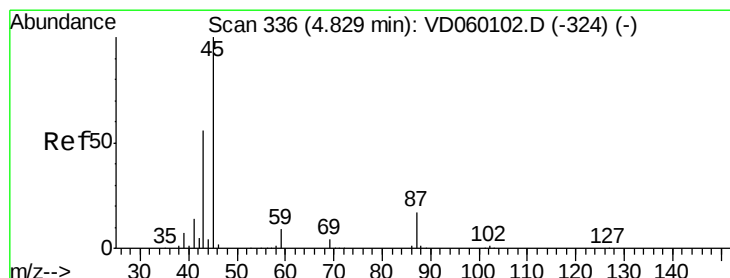
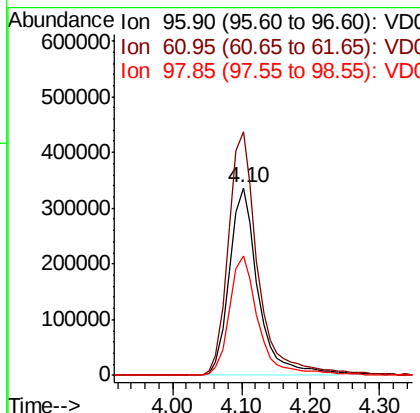
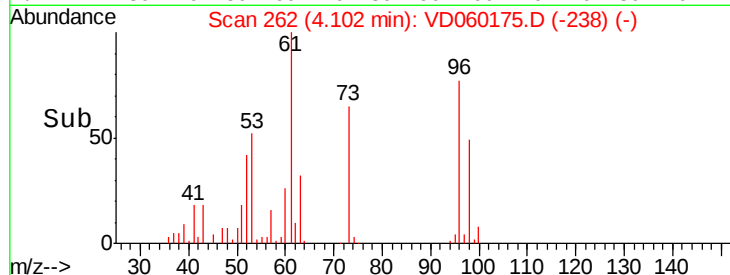
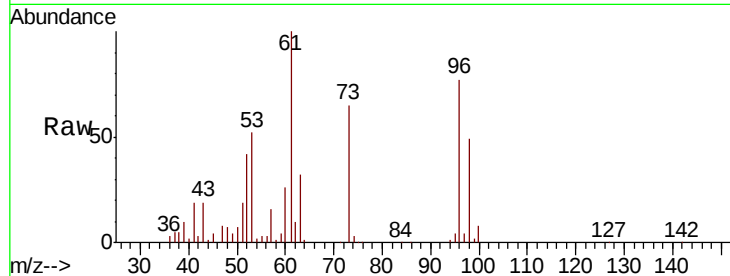
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	975967
Ion	Ratio	Lower	Upper
96	100		
61	129.7	103.3	154.9
98	63.5	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.901 ug/l

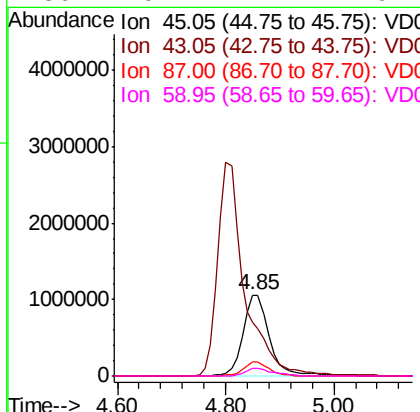
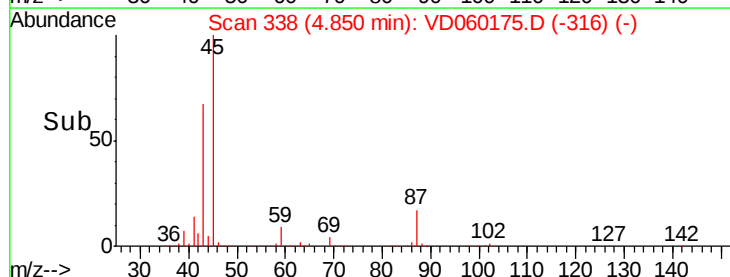
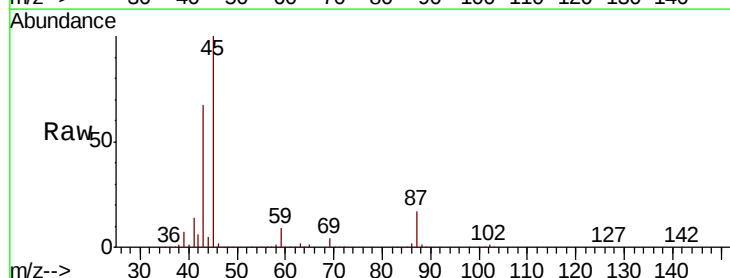
RT: 4.85 min Scan# 338

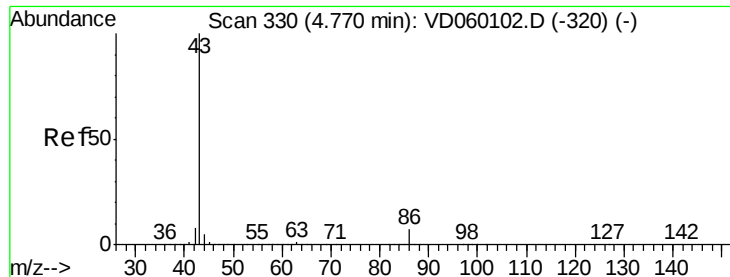
Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion:	45	Resp:	3573035
Ion	Ratio	Lower	Upper
45	100		
43	66.7	44.8	67.2
87	17.1	13.9	20.9
59	9.1	7.1	10.7





#23

Vinyl Acetate

Concen: 256.373 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9552678

Ion Ratio Lower Upper

43 100

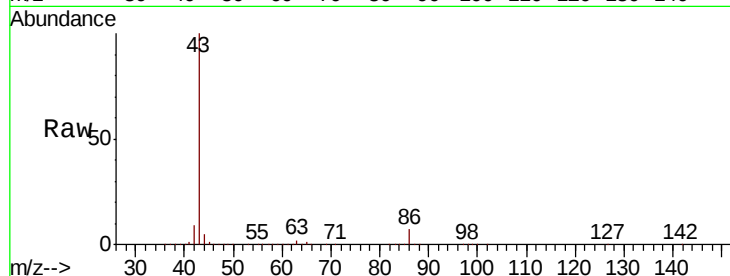
86 6.6 5.6 8.4

Manual Integrations

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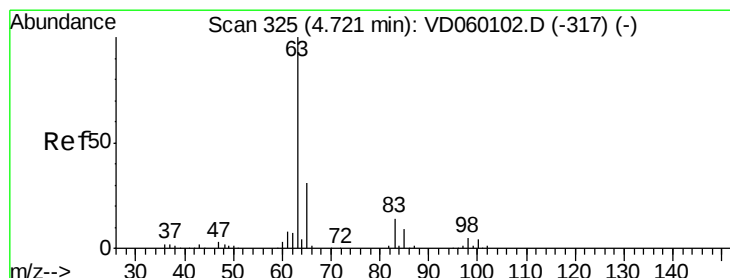
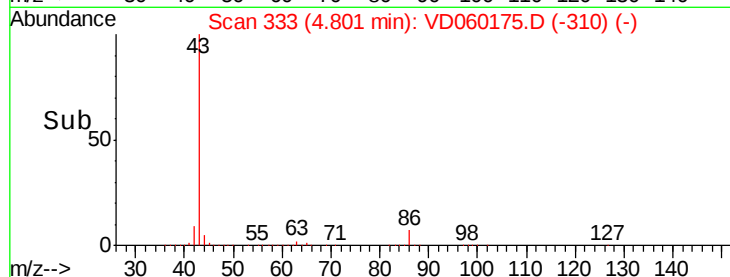
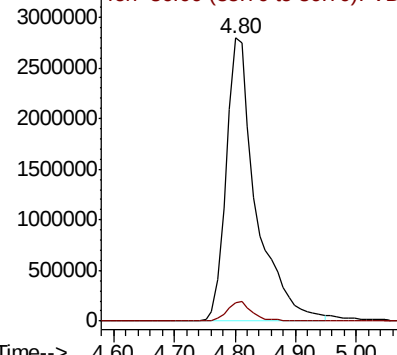
apatel

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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: 55.349 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

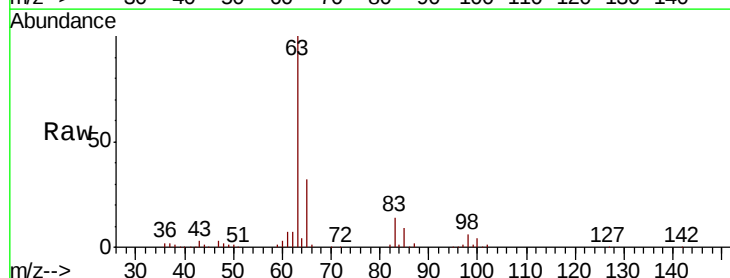
Tgt Ion: 63 Resp: 1663546

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

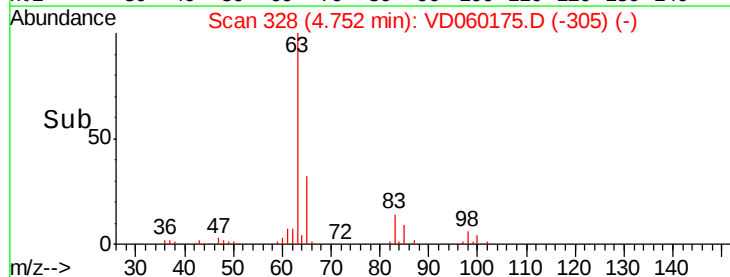
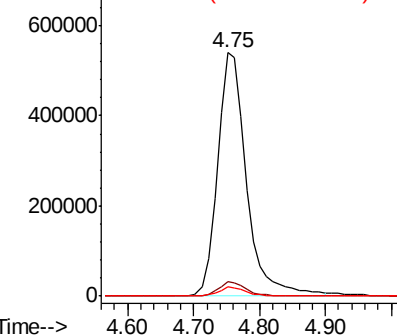
100 3.7 1.8 5.3

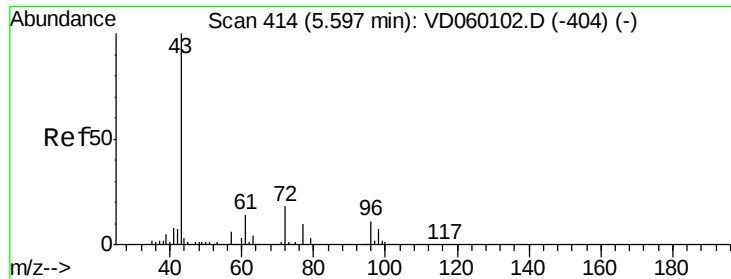


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.452 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1646211

Ion Ratio Lower Upper

43 100

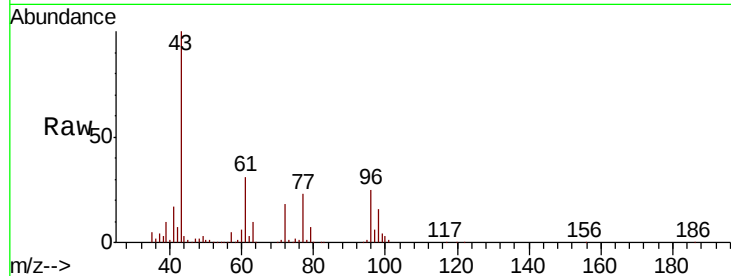
72 17.7 14.5 21.7

Manual Integrations

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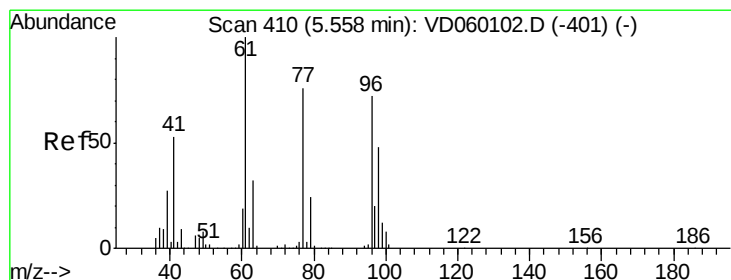
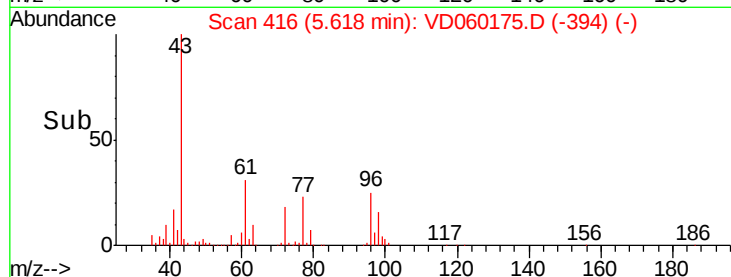
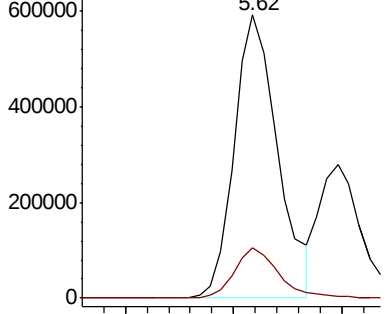
apatel

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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: 58.967 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060175.D

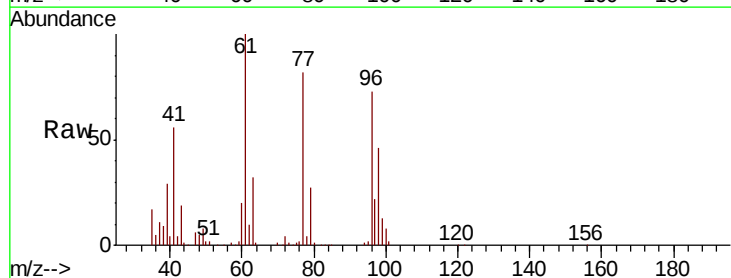
Acq: 24 Oct 2018 11:38

Tgt Ion: 77 Resp: 1343547

Ion Ratio Lower Upper

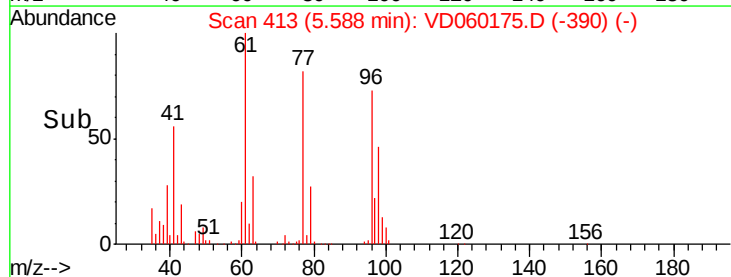
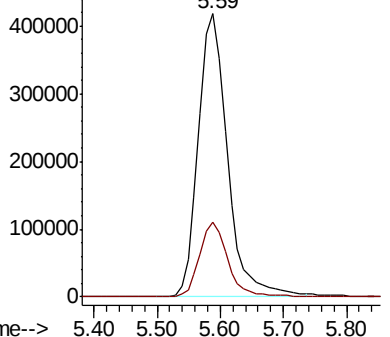
77 100

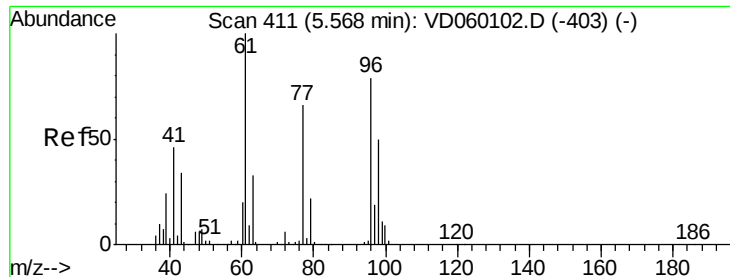
97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

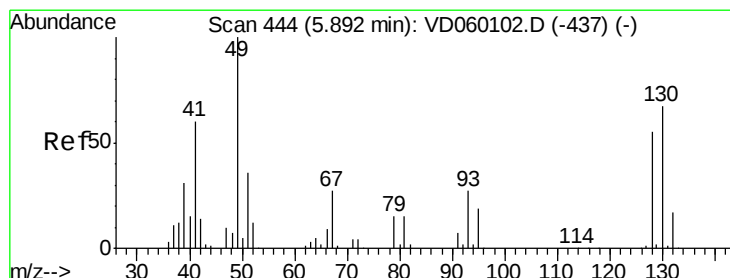
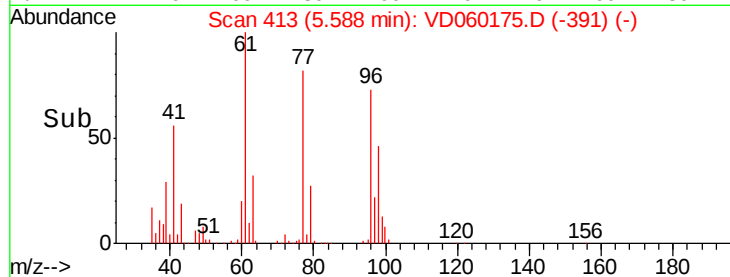
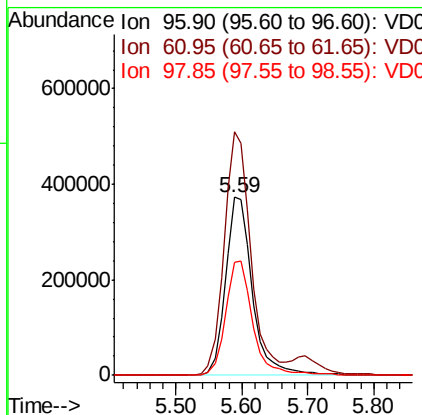
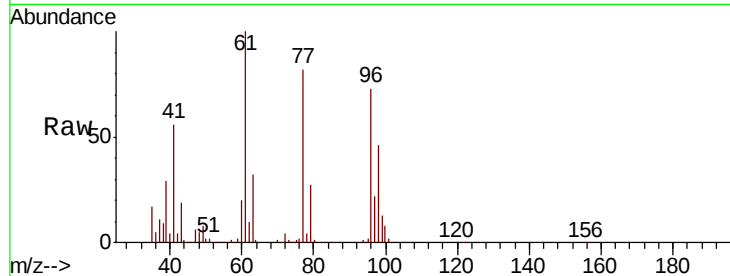
cis-1,2-Dichloroethene
Concen: 54.437 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	251.8
98	63.6	0.0	125.2

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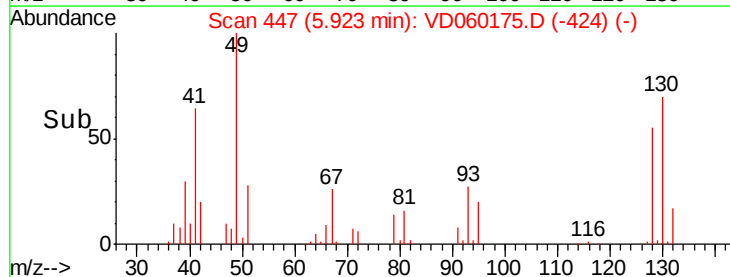
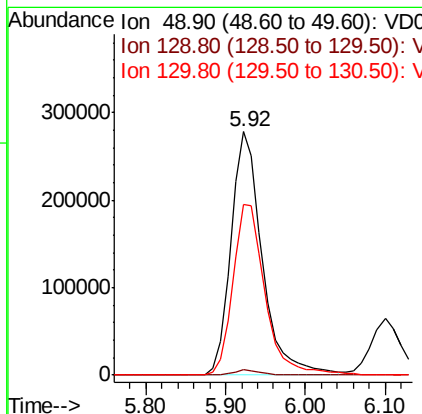
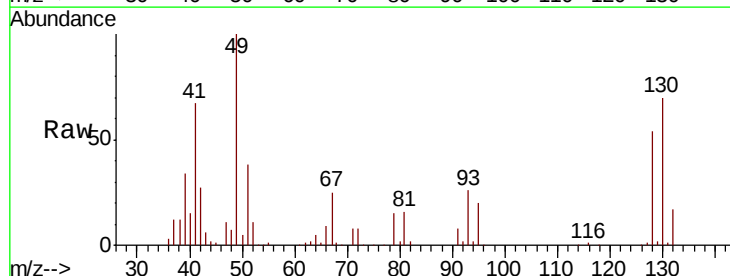
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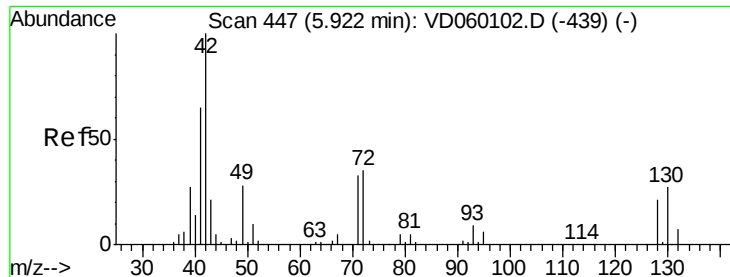


#28

Bromochloromethane
Concen: 51.898 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	70.0	53.9	80.9





#29

Tetrahydrofuran

Concen: 262.186 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

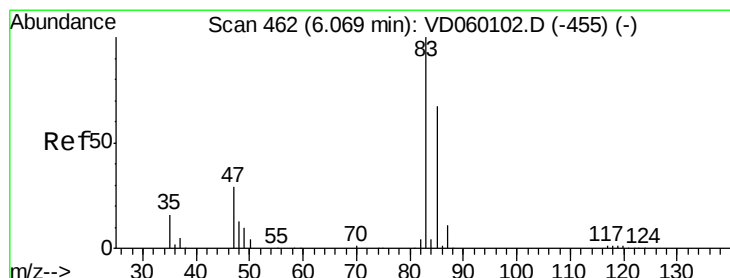
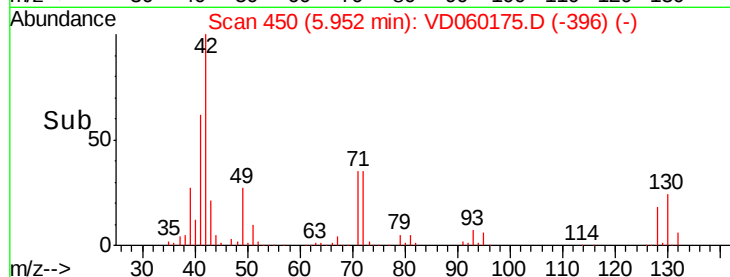
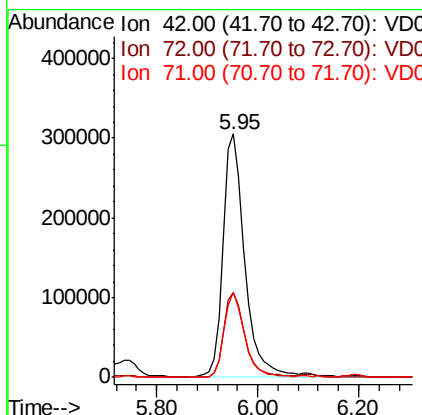
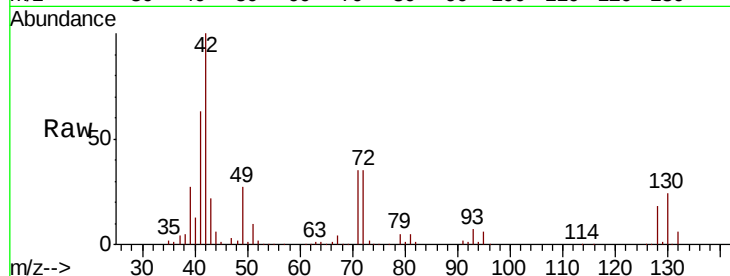
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	916805
Ion Ratio		Lower	Upper
42	100		
72	33.5	26.9	40.3
71	32.6	26.7	40.1

Manual Integrations
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#30

Chloroform

Concen: 54.932 ug/l

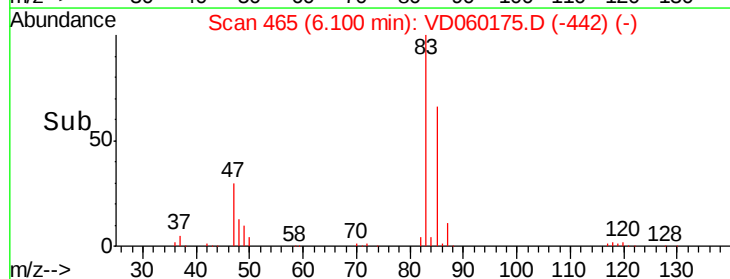
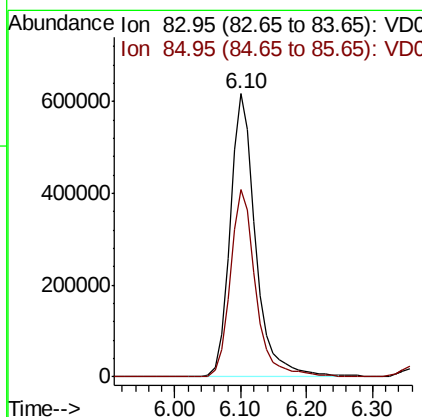
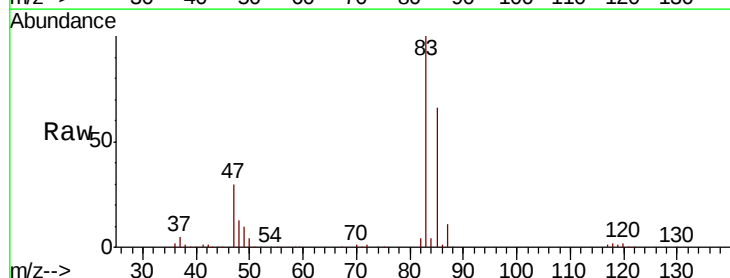
RT: 6.10 min Scan# 465

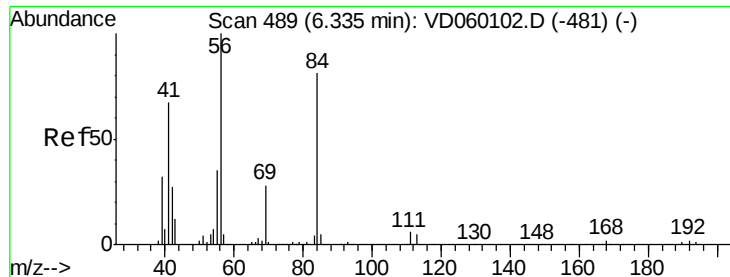
Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion:	83	Resp:	1670087
Ion Ratio		Lower	Upper
83	100		
85	66.4	53.8	80.8





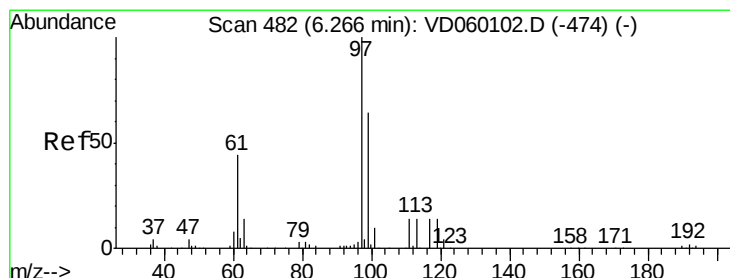
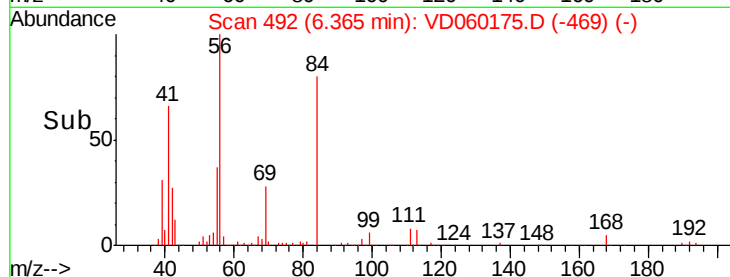
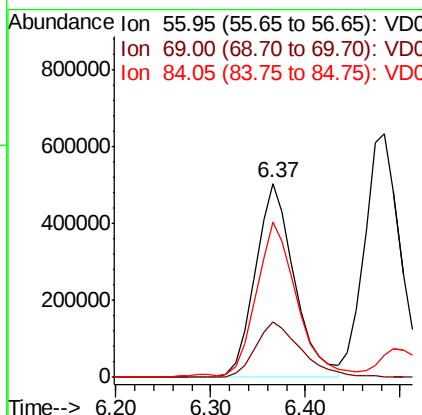
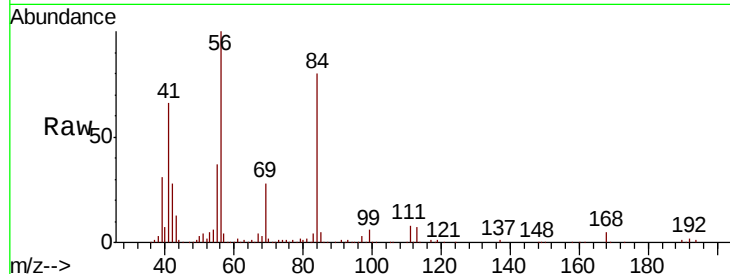
#31
Cyclohexane
Concen: 50.240 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1445465
Ion Ratio Lower Upper
56 100
69 28.3 22.8 34.2
84 80.1 64.9 97.3

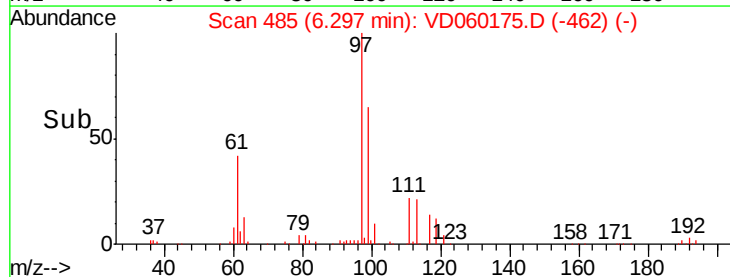
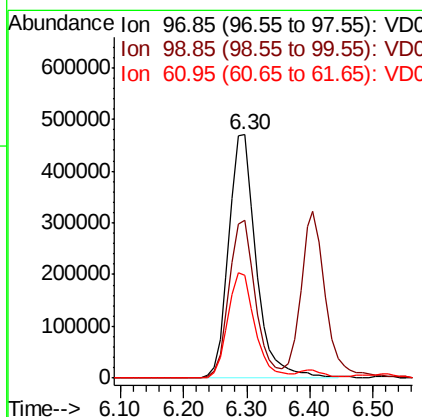
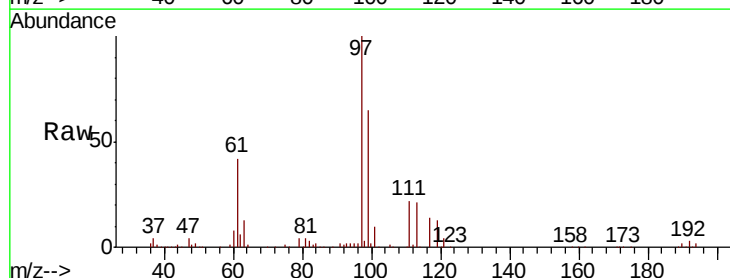
Manual Integrations
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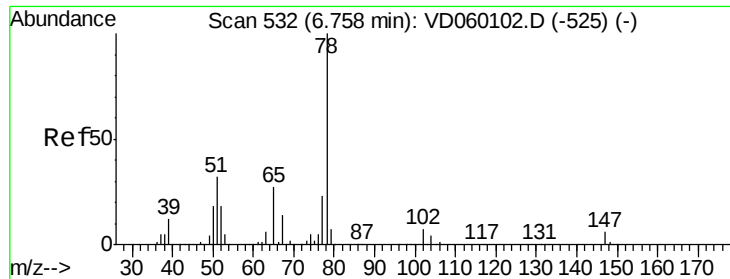
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#32
1,1,1-Trichloroethane
Concen: 56.768 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 97 Resp: 1413979
Ion Ratio Lower Upper
97 100
99 64.9 51.4 77.0
61 42.2 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 56.768 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 690309

Ion Ratio Lower Upper

65 100

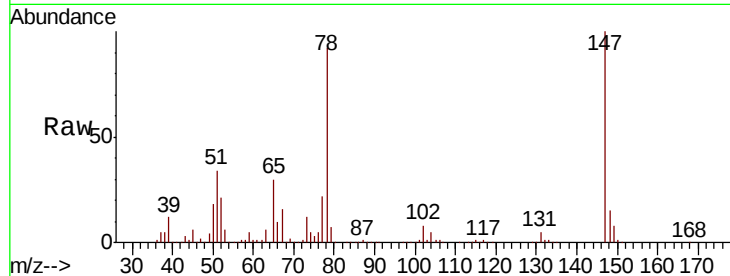
67 53.0 0.0 106.2

Manual Integrations

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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

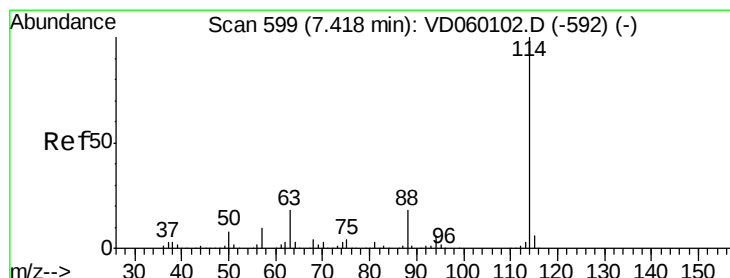
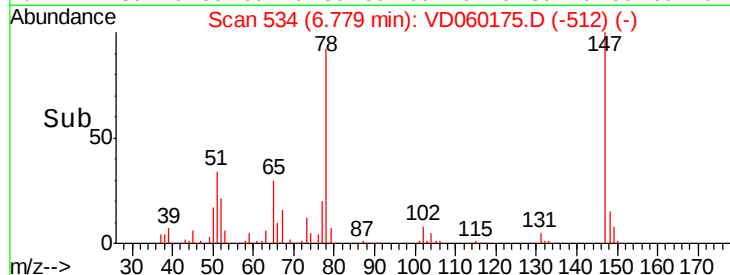
0

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. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

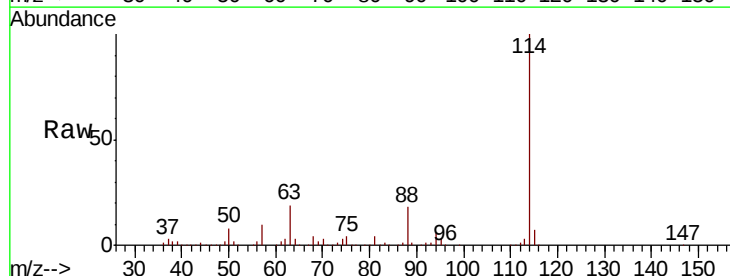
Tgt Ion: 114 Resp: 2485695

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.0

88 17.9 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

1000000

500000

0

7.30

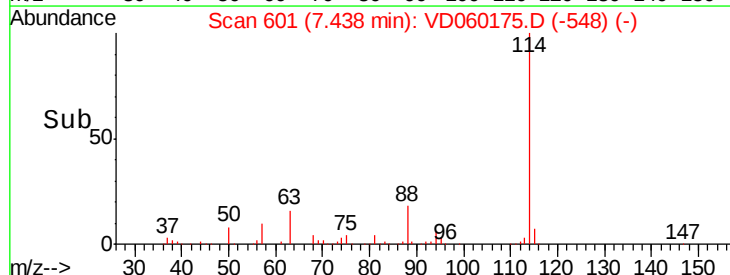
7.40

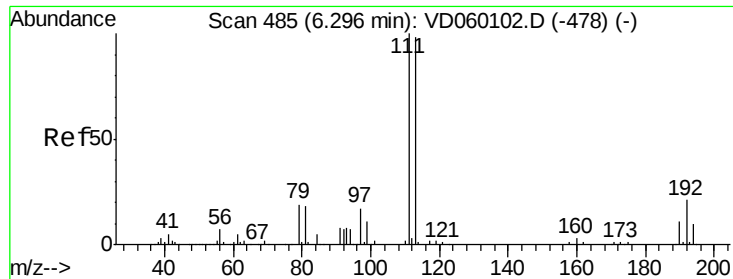
7.50

7.60

7.70

Time-->





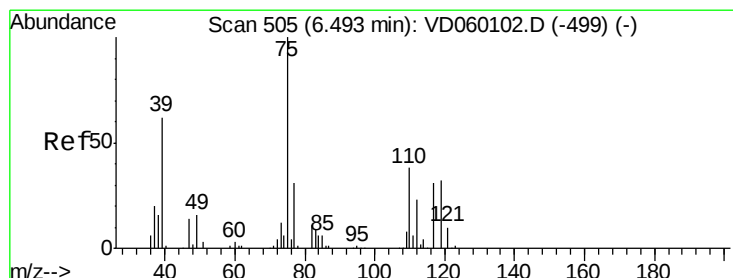
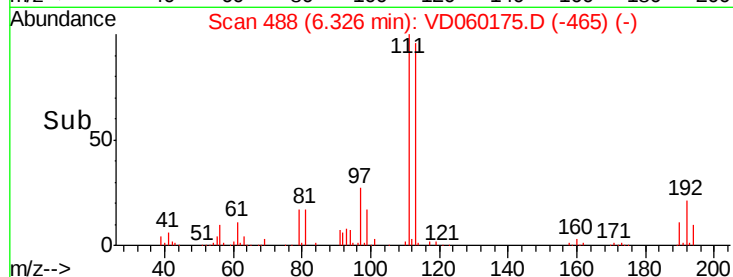
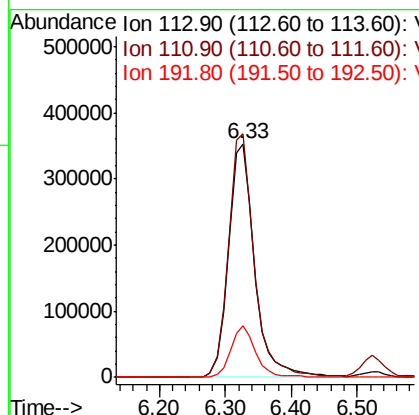
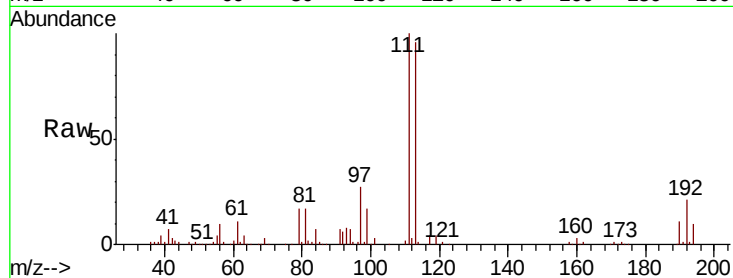
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	979482		
111	104.1	81.5	122.3	
192	21.9	17.4	26.0	

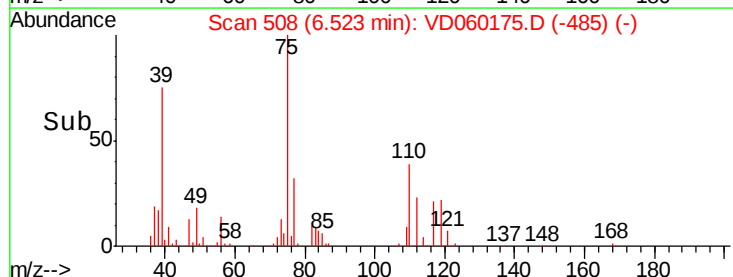
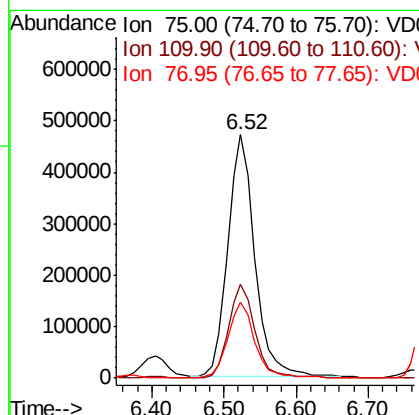
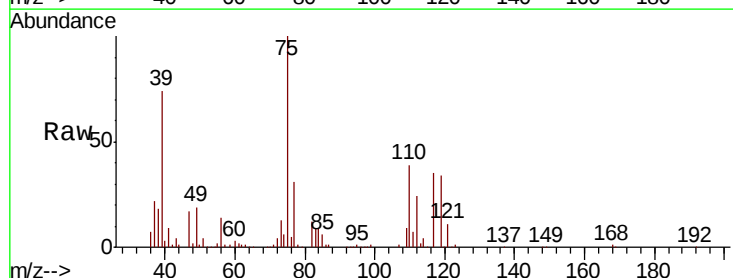
Manual Integrations
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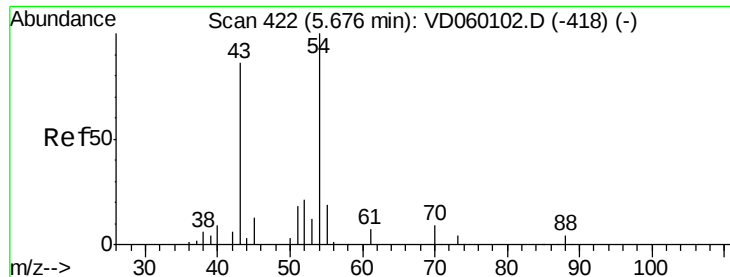
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#36
 1,1-Dichloropropene
 Concen: 51.450 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1222099		
110	38.7	19.0	57.0	
77	31.5	24.9	37.3	





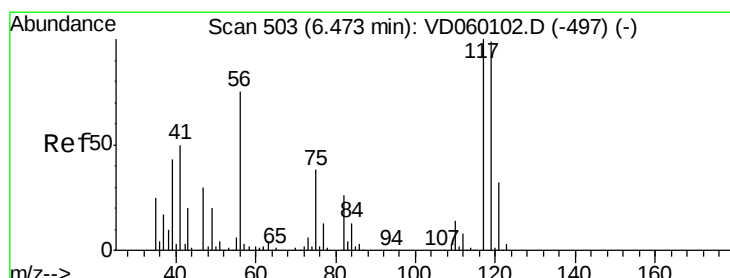
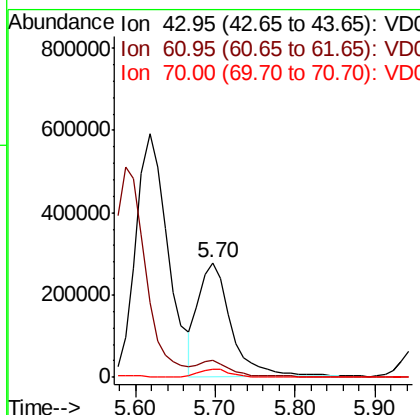
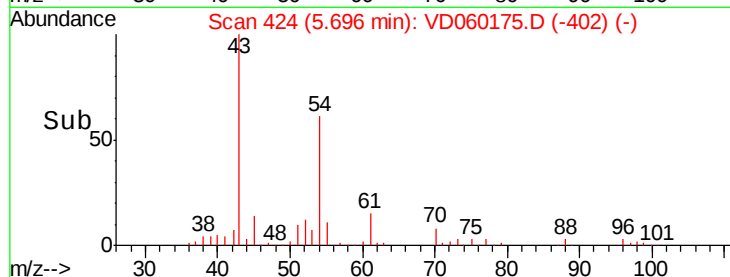
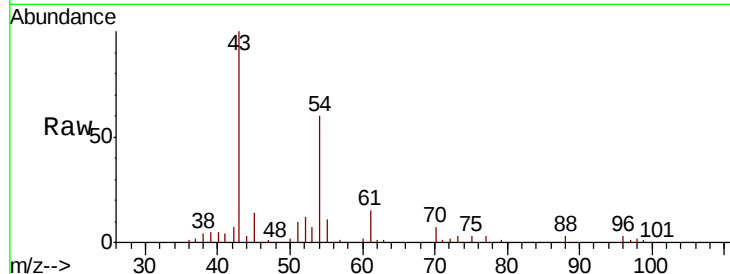
#37
Ethyl Acetate
Concen: 49.431 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.5	15.7
70	7.5	6.3	9.5

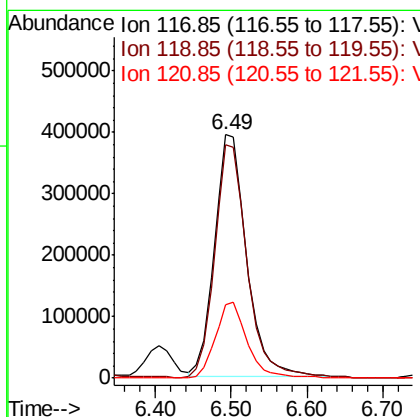
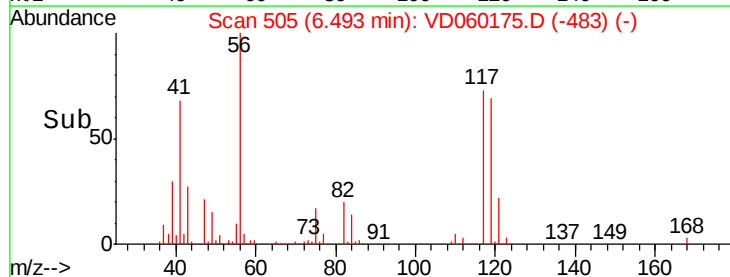
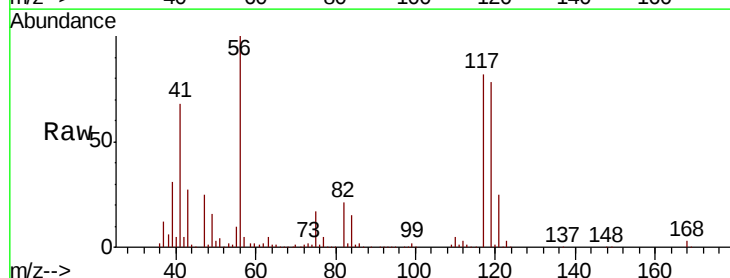
Manual Integrations
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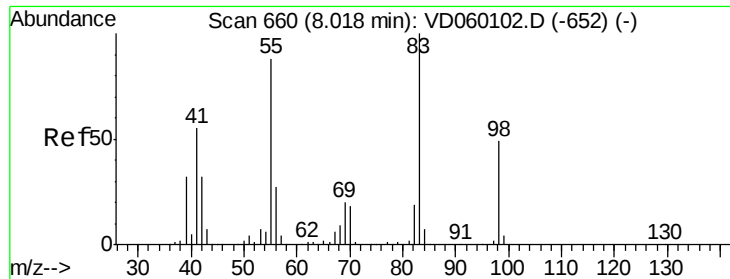
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#38
Carbon Tetrachloride
Concen: 54.119 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
121	30.4	24.8	37.2





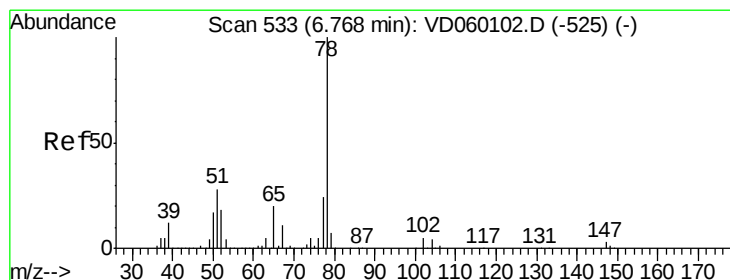
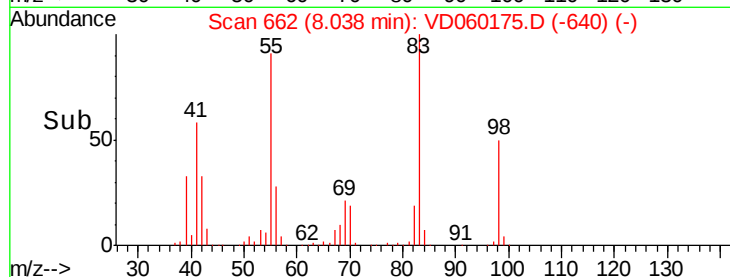
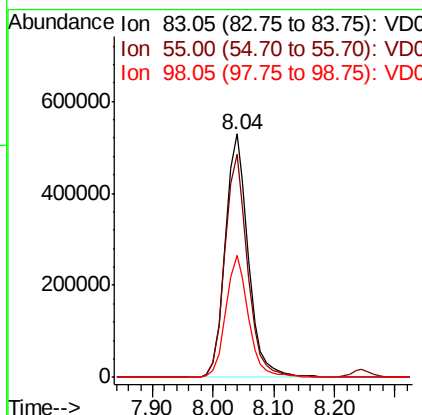
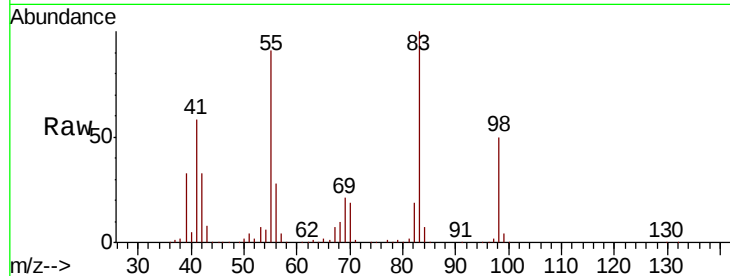
#39
Methvlcvclohexane
Concen: 51.722 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1395881
Ion Ratio Lower Upper
83 100
55 91.5 70.5 105.7
98 50.0 39.4 59.2

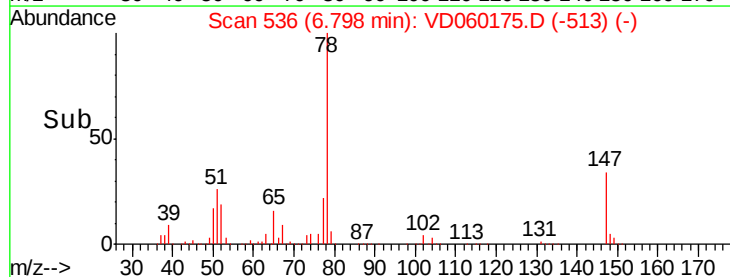
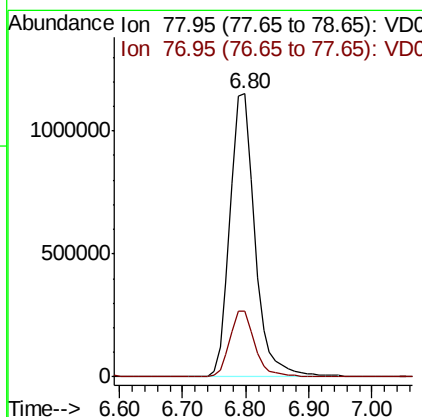
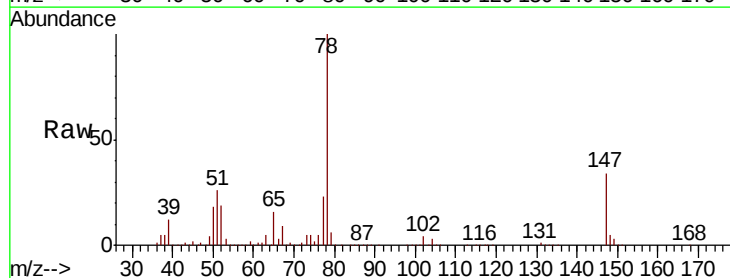
Manual Integrations
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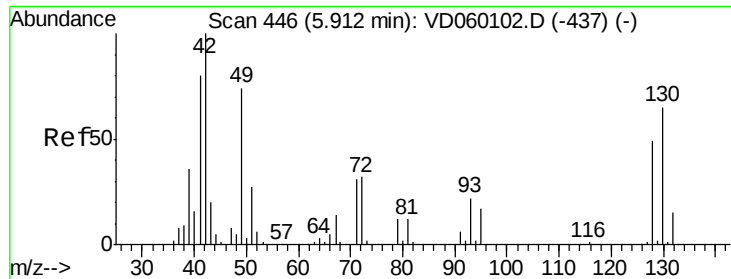
apatel
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#40
Benzene
Concen: 50.879 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 78 Resp: 3161692
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 50.686 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 451683

Ion Ratio Lower Upper

41 100

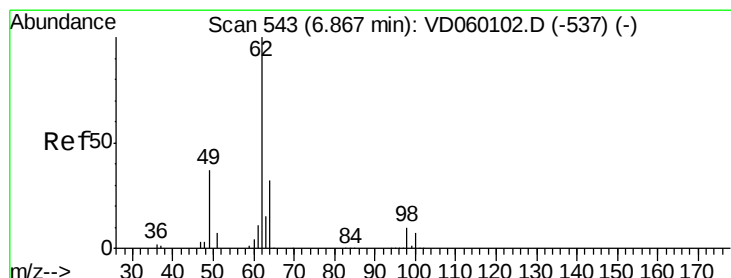
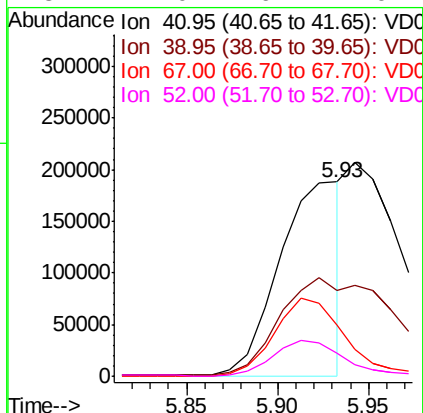
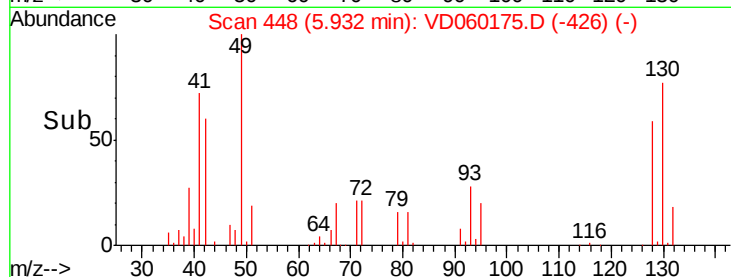
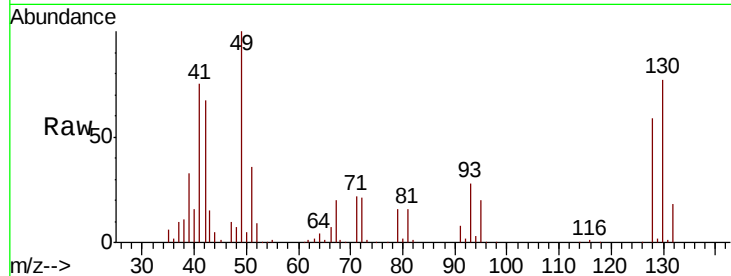
39 44.5 36.0 54.0

67 26.1 13.9 20.9#

52 12.0 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.810 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060175.D

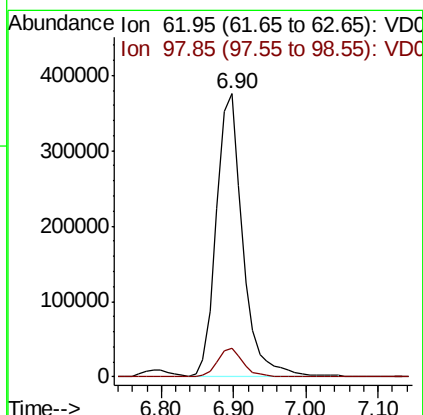
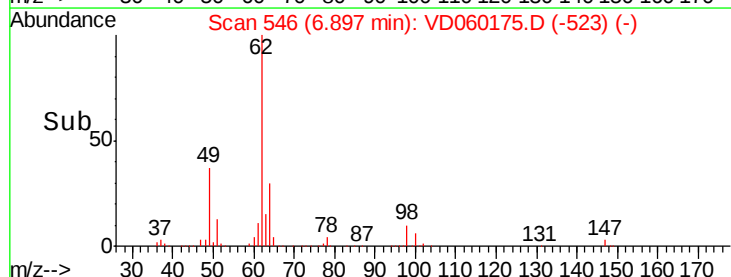
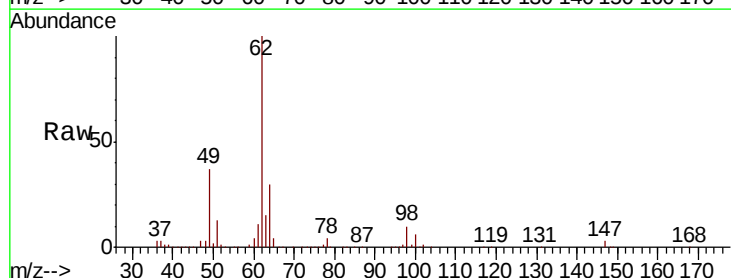
Acq: 24 Oct 2018 11:38

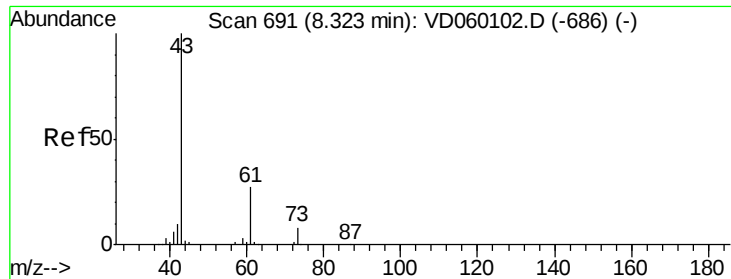
Tgt Ion: 62 Resp: 940860

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 51.152 ug/l

RT: 8.34 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1061009

Ion Ratio Lower Upper

43 100

61 27.6 21.4 32.2

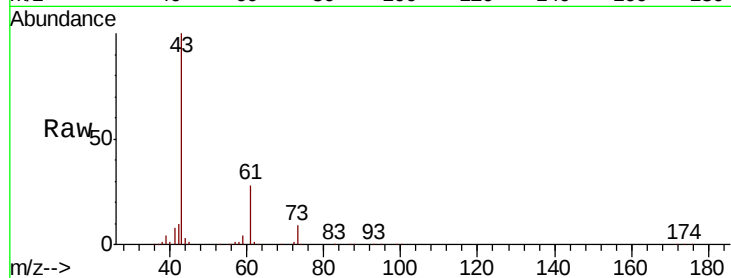
87 0.3 0.2 0.2#

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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

8.34

400000

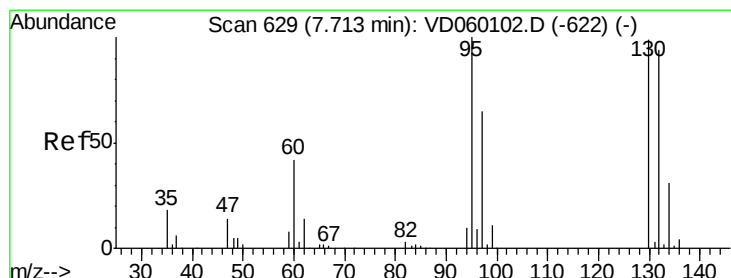
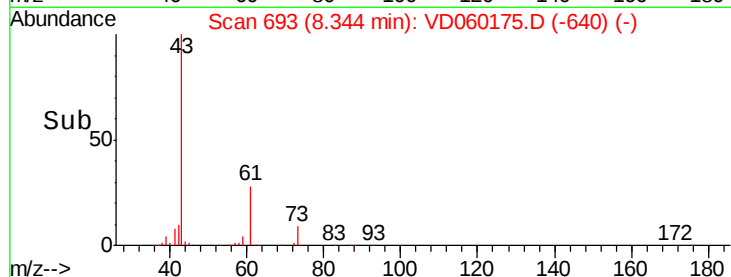
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 50.587 ug/l

RT: 7.74 min Scan# 632

Delta R.T. 0.03 min

Lab File: VD060175.D

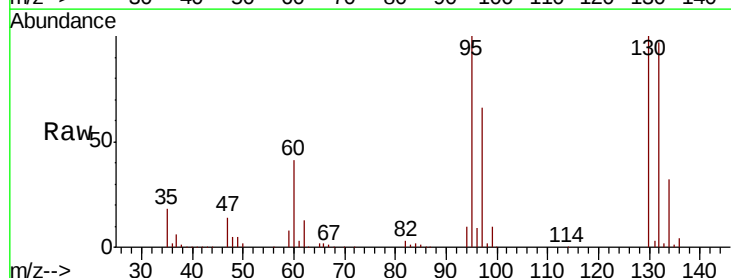
Acq: 24 Oct 2018 11:38

Tgt Ion:130 Resp: 973101

Ion Ratio Lower Upper

130 100

95 100.2 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

7.74

400000

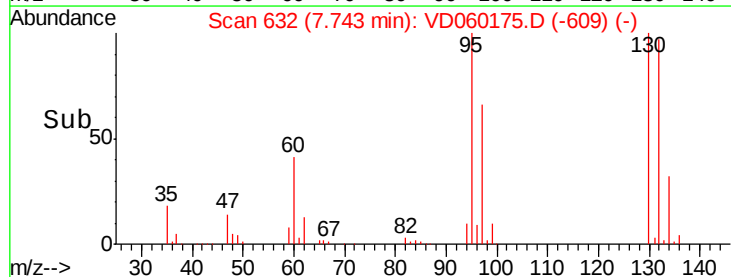
300000

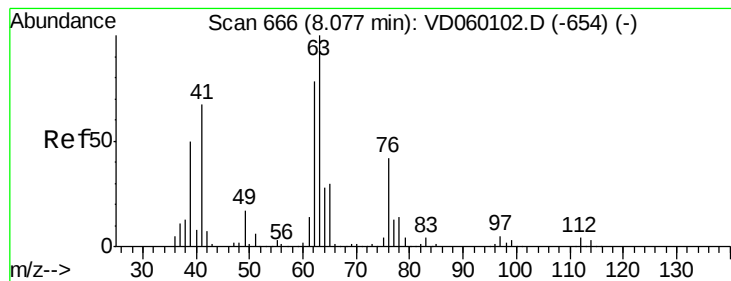
200000

100000

0

Time-->





#45

1,2-Dichloropropane

Concen: 53.835 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 875964

Ion Ratio Lower Upper

63 100

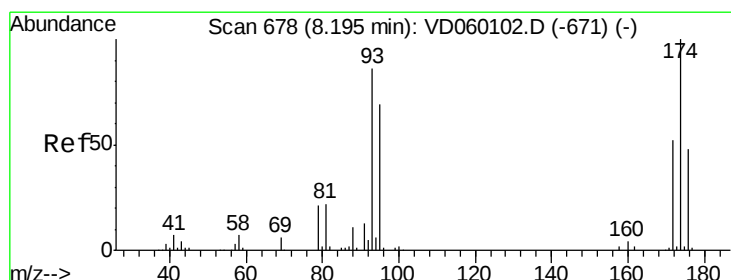
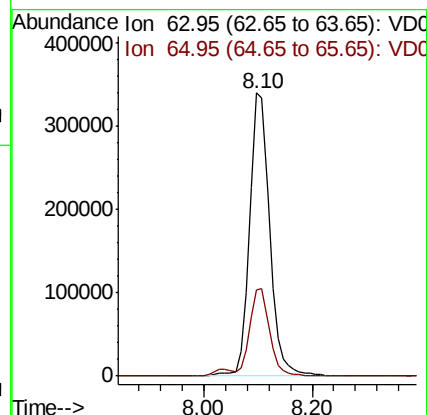
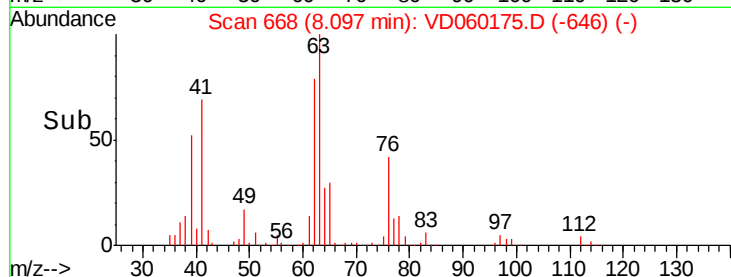
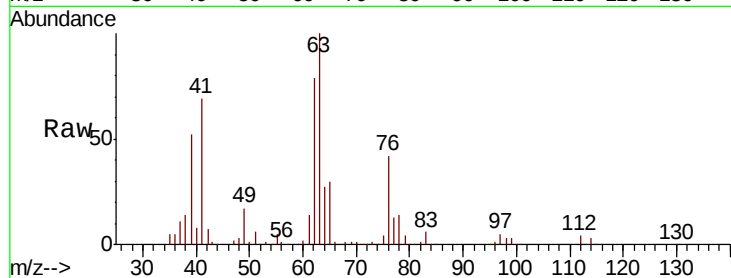
65 30.4 24.1 36.1

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#46

Dibromomethane

Concen: 52.368 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

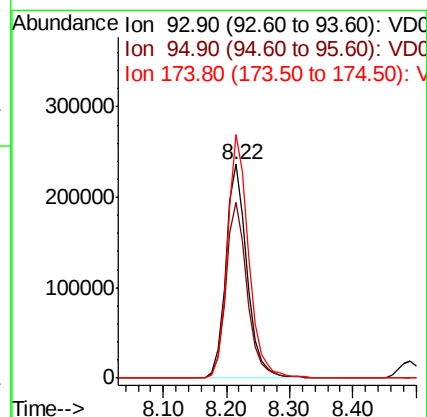
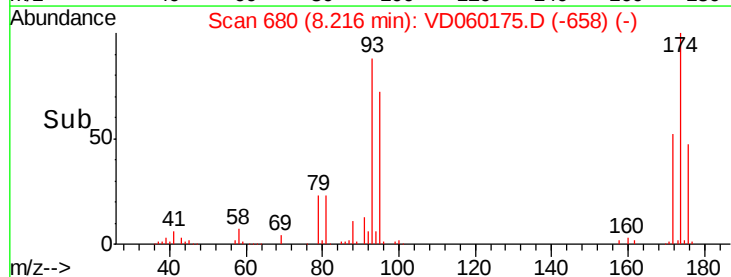
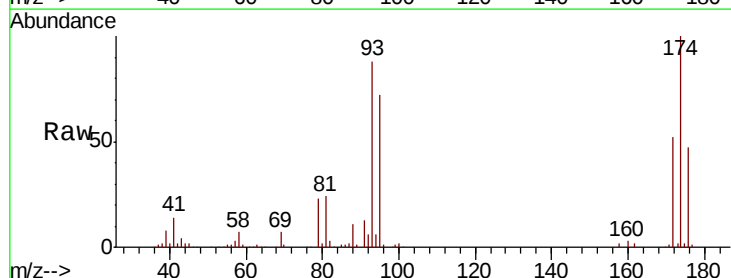
Tgt Ion: 93 Resp: 551669

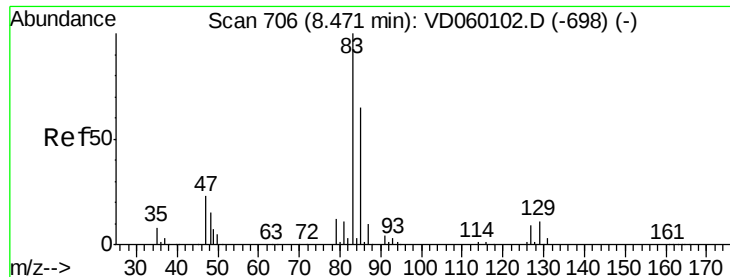
Ion Ratio Lower Upper

93 100

95 82.4 63.8 95.6

174 113.8 92.9 139.3





#47

Bromodichloromethane

Concen: 55.276 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1240714

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

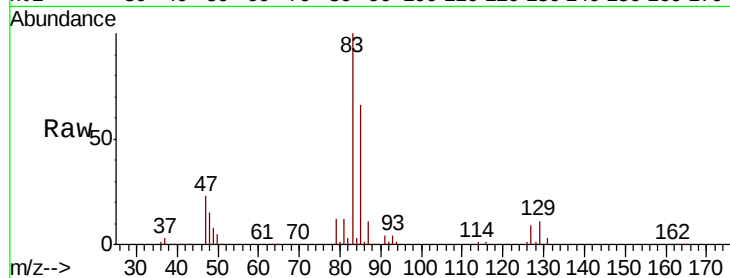
127 9.2 7.4 11.0

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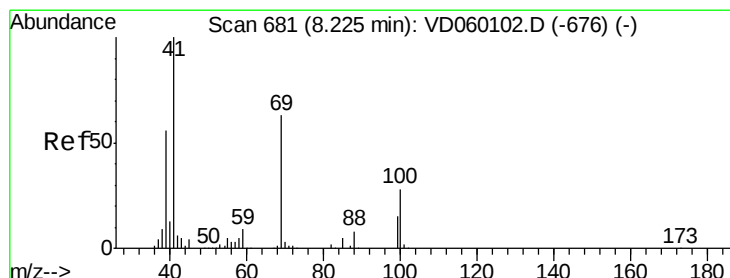
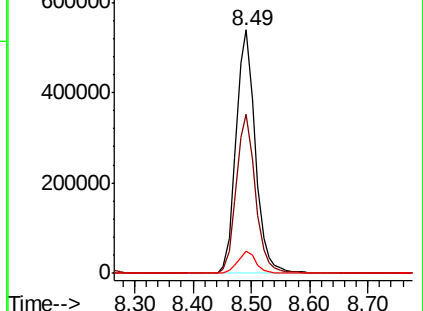
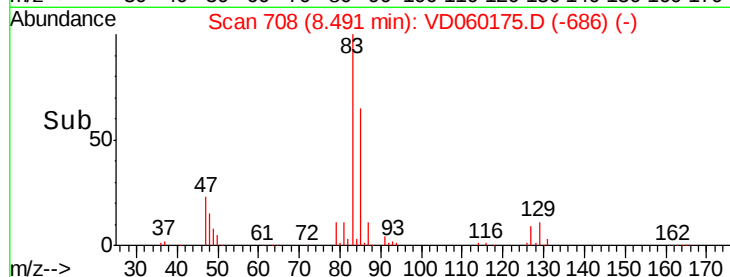
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.600 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

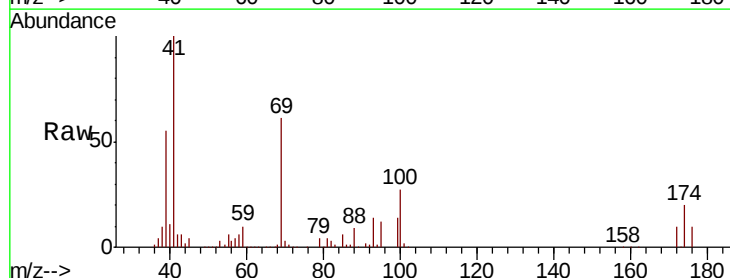
Tgt Ion: 41 Resp: 633287

Ion Ratio Lower Upper

41 100

69 61.4 49.7 74.5

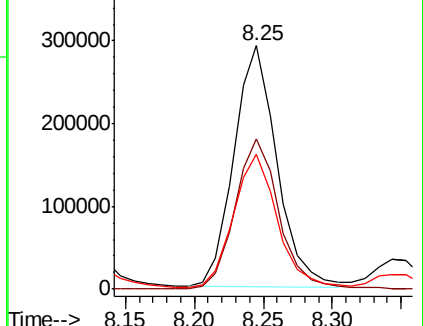
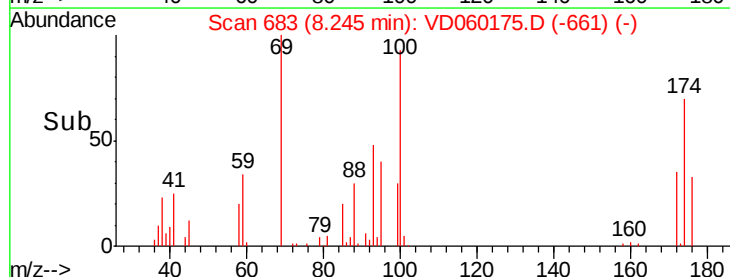
39 55.3 45.2 67.8

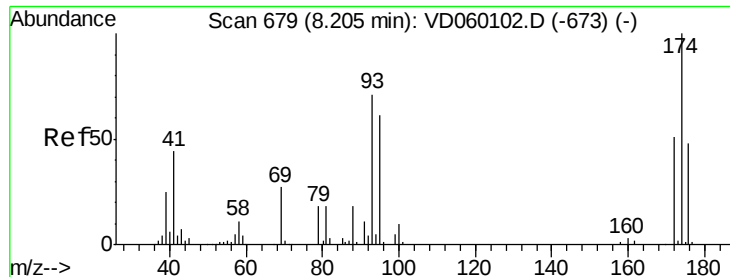


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





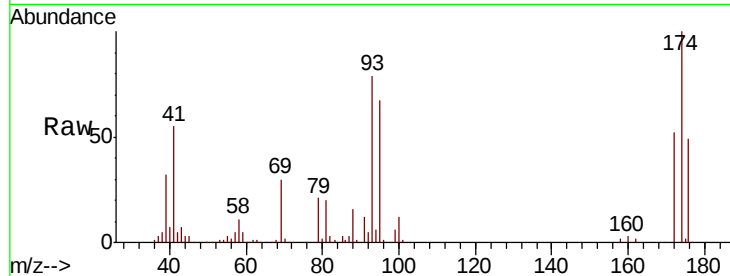
#49
1,4-Dioxane
Concen: 1052.545 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	33.7	50.5
58	65.3	49.1	73.7

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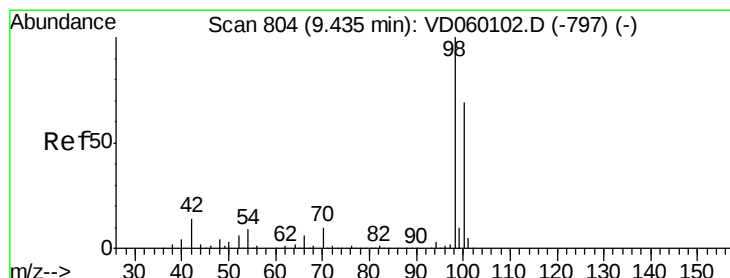
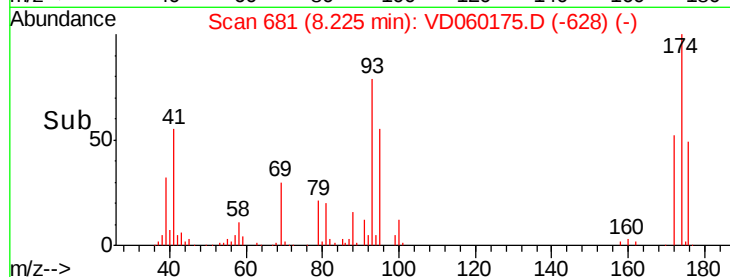
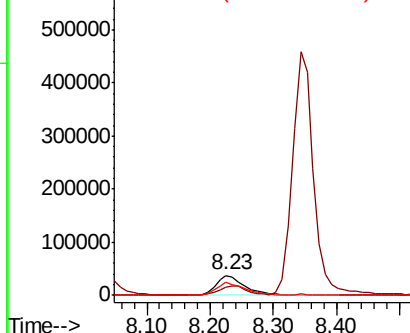


Abundance

Ion 88.00 (87.70 to 88.70): VDC

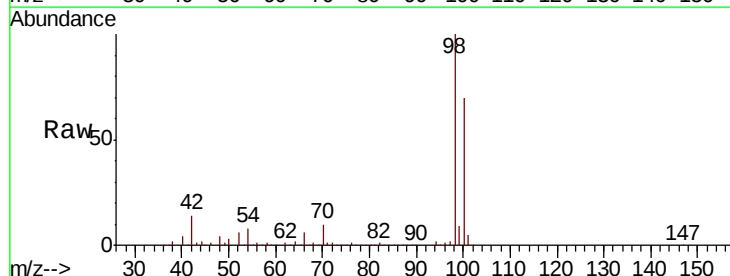
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 1052.545 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

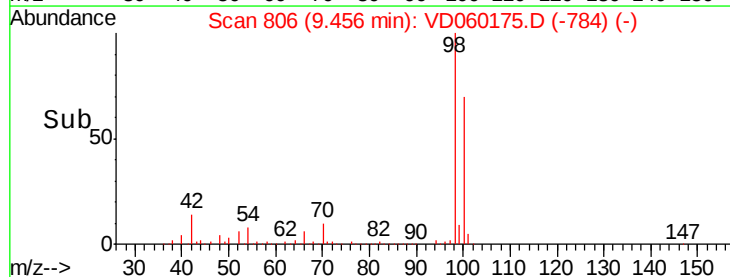
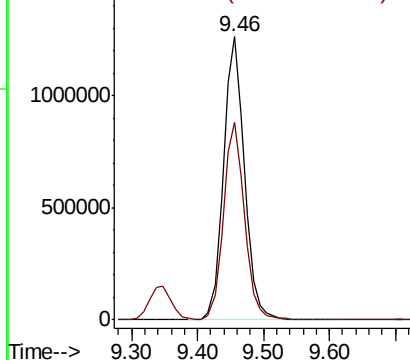
Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.0	55.4	83.0

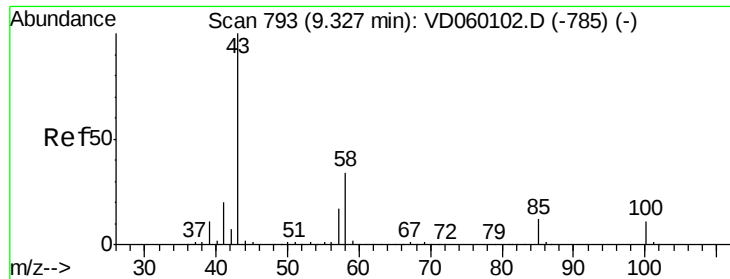


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 257.363 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3367033

Ion Ratio Lower Upper

43 100

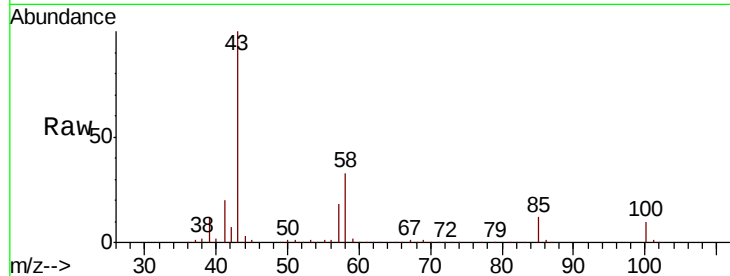
58 33.3 27.2 40.8

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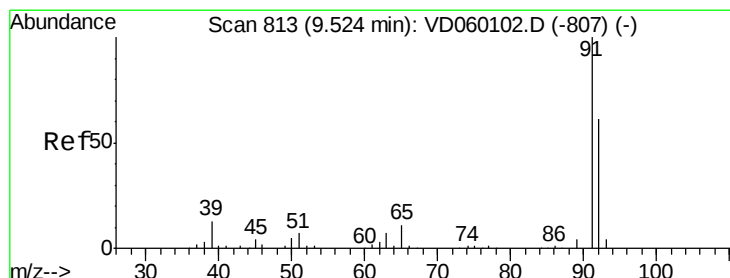
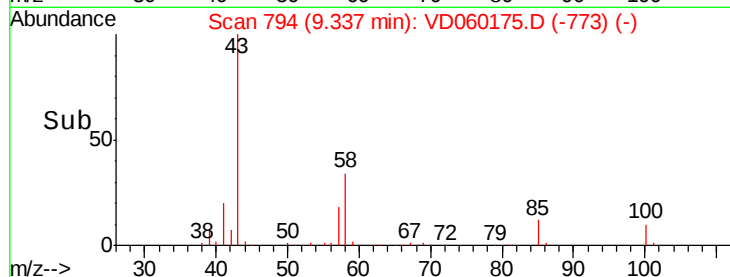
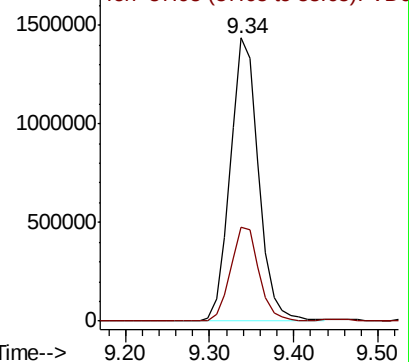
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.110 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060175.D

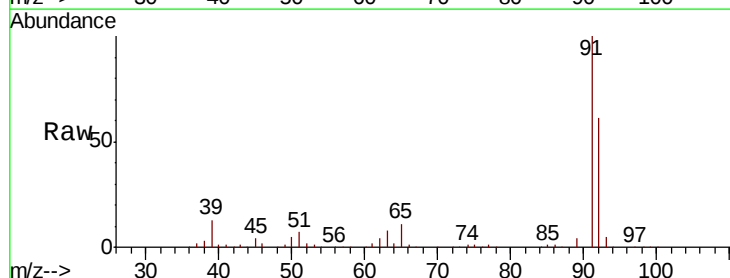
Acq: 24 Oct 2018 11:38

Tgt Ion: 92 Resp: 2085499

Ion Ratio Lower Upper

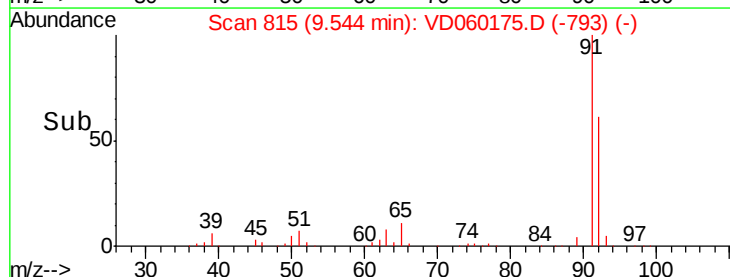
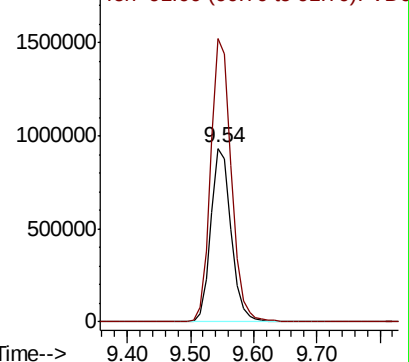
92 100

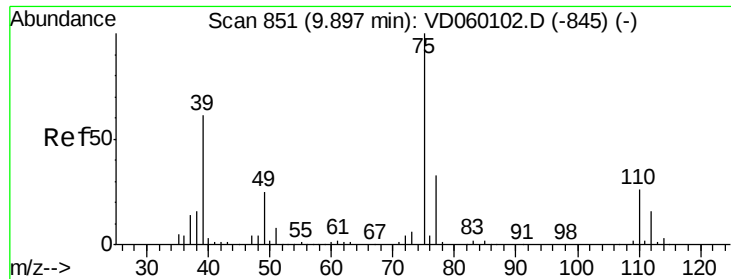
91 163.4 131.9 197.9



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: 54.584 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tot Ion: 75 Resp: 1108586

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

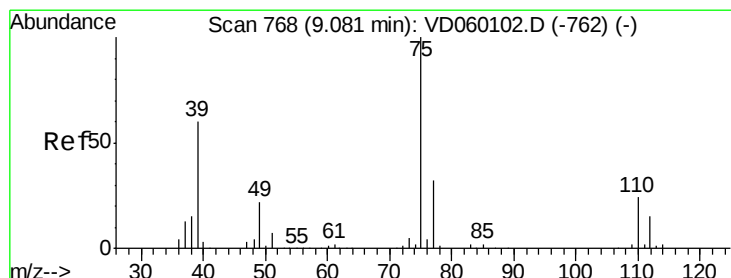
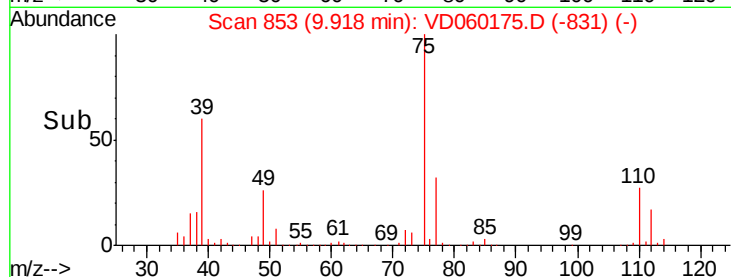
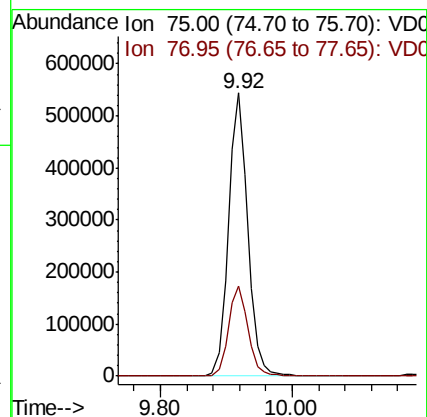
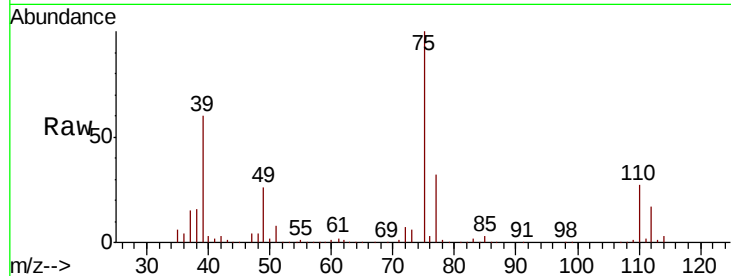
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 54.177 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

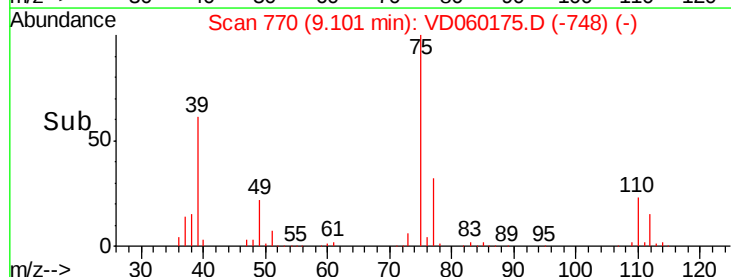
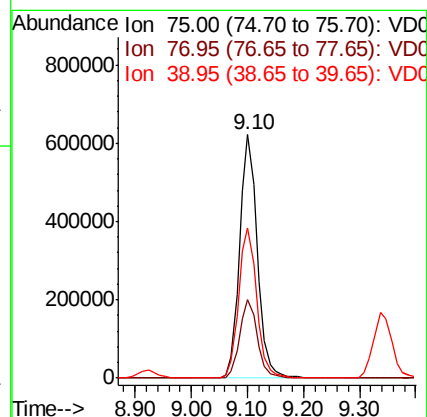
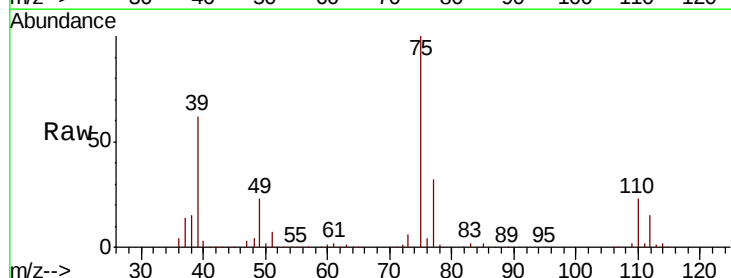
Tgt Ion: 75 Resp: 1358754

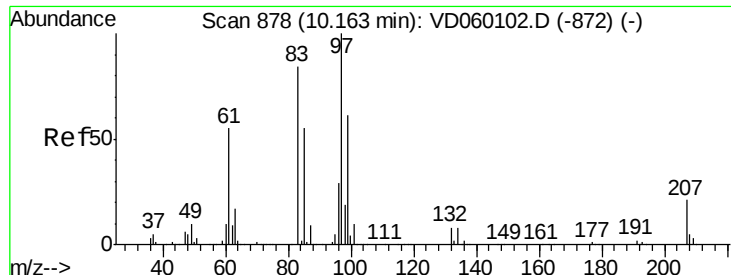
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 61.8 48.2 72.4





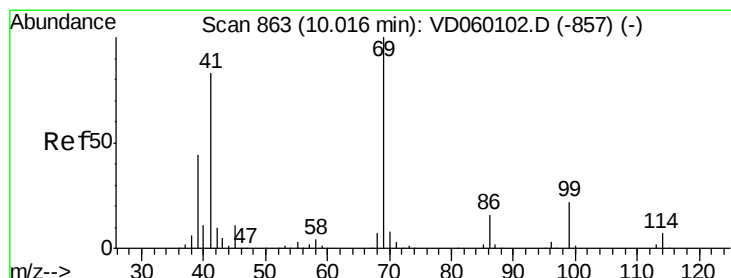
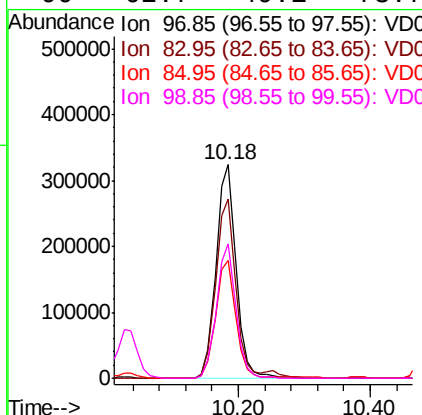
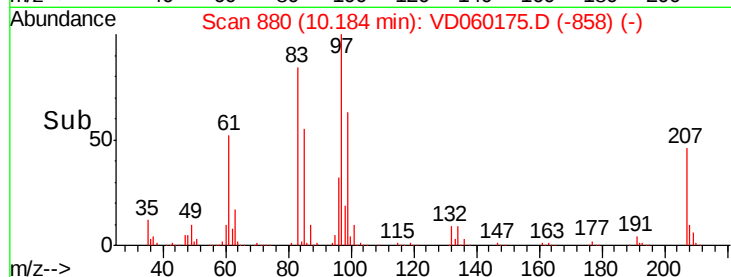
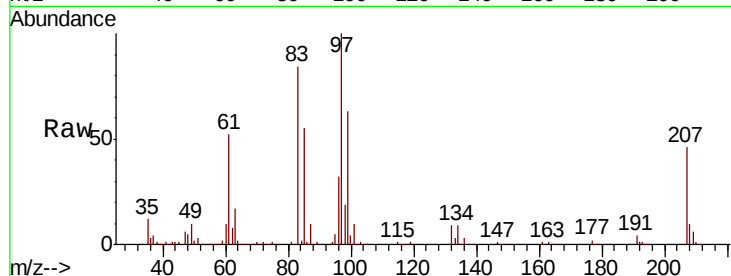
#55
 1,1,2-Trichloroethane
 Concen: 52.301 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		684278		
83	84.2	67.0	100.6		
85	55.3	43.9	65.9		
99	62.7	49.1	73.7		

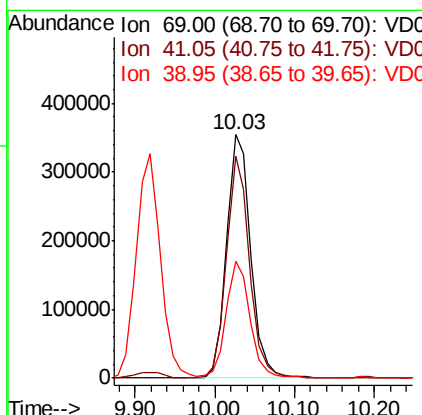
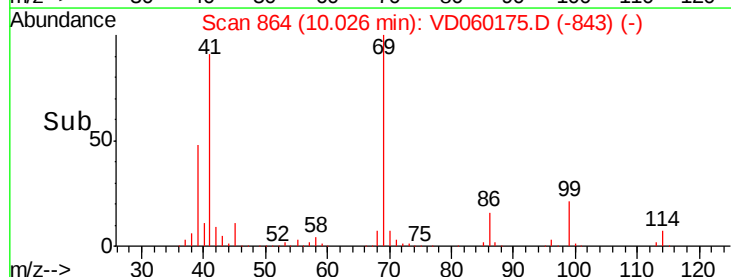
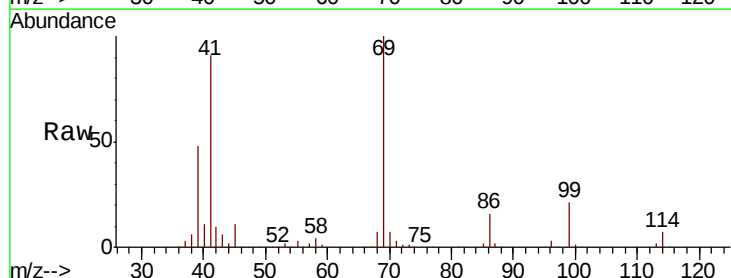
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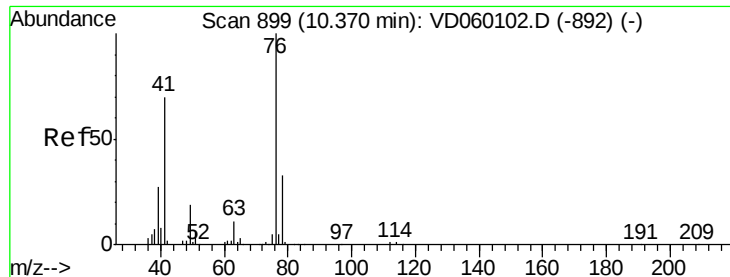
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#56
 Ethyl methacrylate
 Concen: 52.388 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		756603		
41	90.9	66.6	100.0		
39	47.8	36.0	54.0		





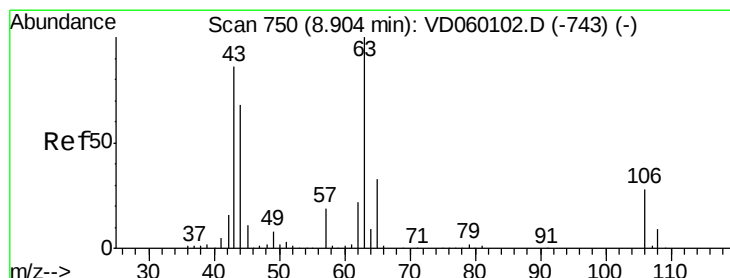
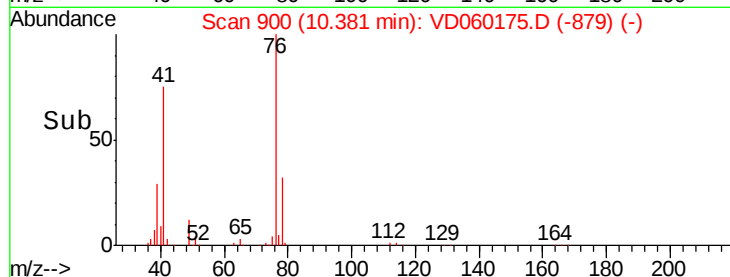
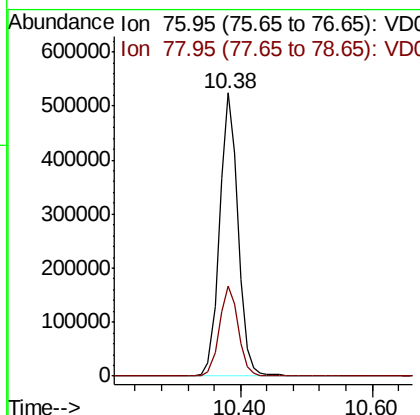
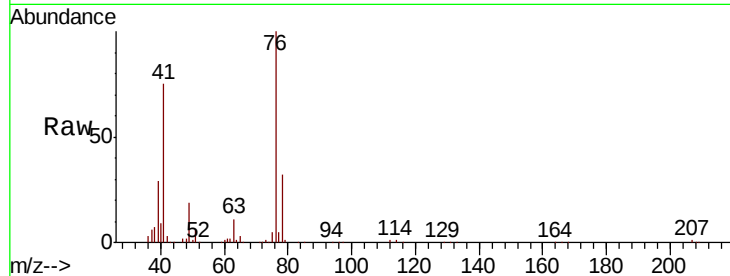
#57
 1,3-Dichloropropane
 Concen: 51.042 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1018493
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2

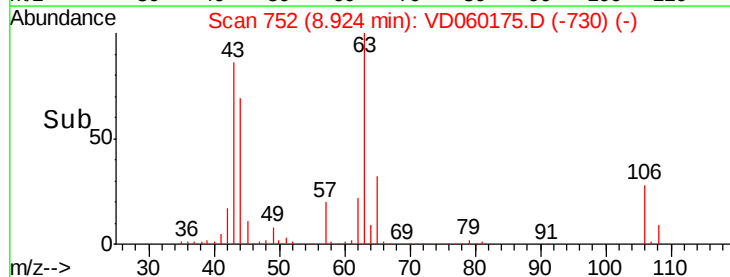
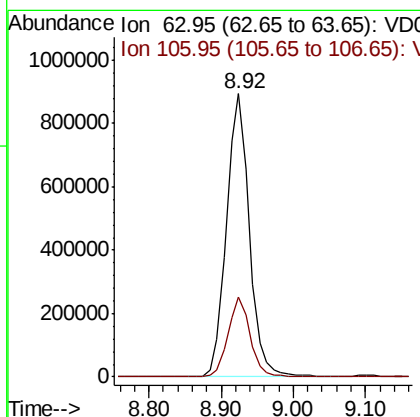
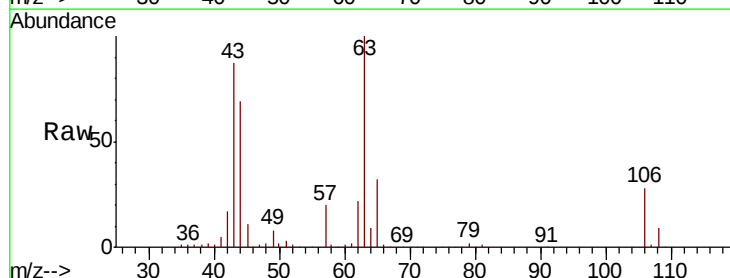
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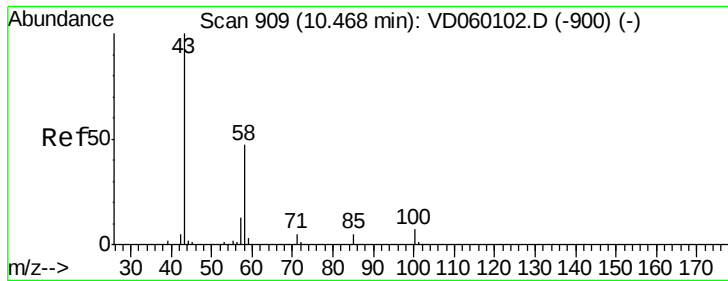
apatel
 10/25/2018 4:48:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.701 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 63 Resp: 1962492
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.6 34.0





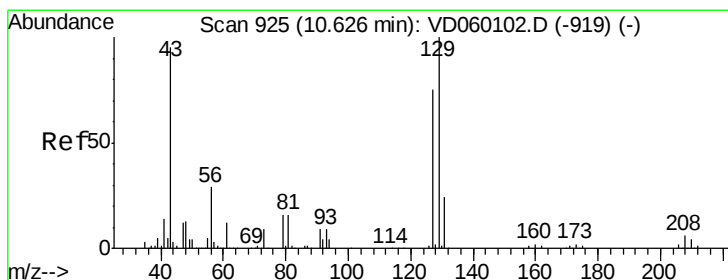
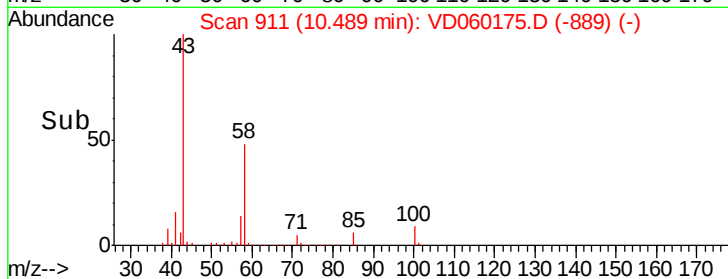
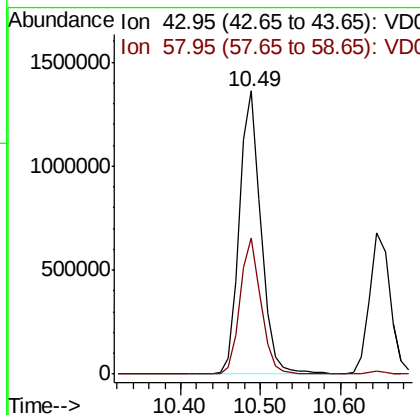
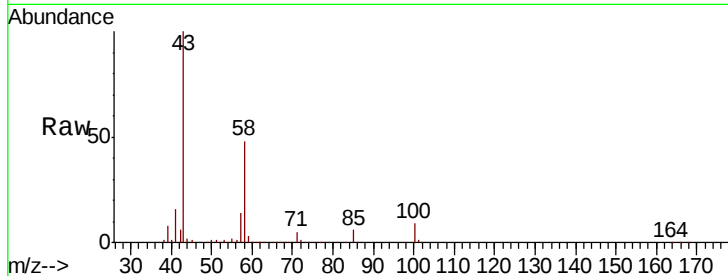
#59
2-Hexanone
Concen: 271.928 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2558187
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9

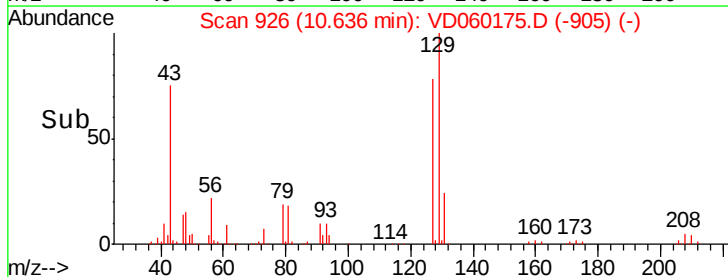
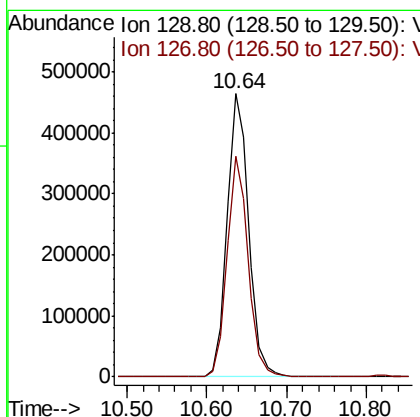
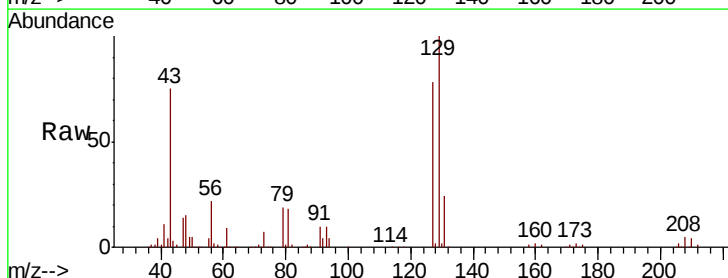
Manual Integrations
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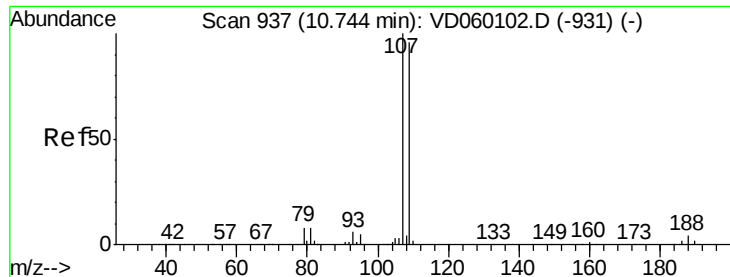
apatel
10/25/2018 4:48:53 PM



#60
Dibromochloromethane
Concen: 55.181 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 129 Resp: 885805
Ion Ratio Lower Upper
129 100
127 78.1 37.4 112.2





#61

1,2-Dibromoethane

Concen: 52.652 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 731950

Ion Ratio Lower Upper

107 100

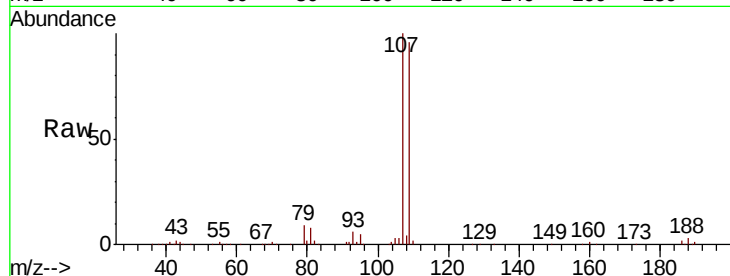
109 96.5 77.1 115.7

Manual Integrations

APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

400000

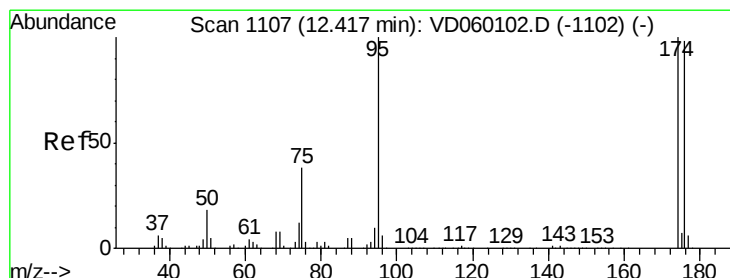
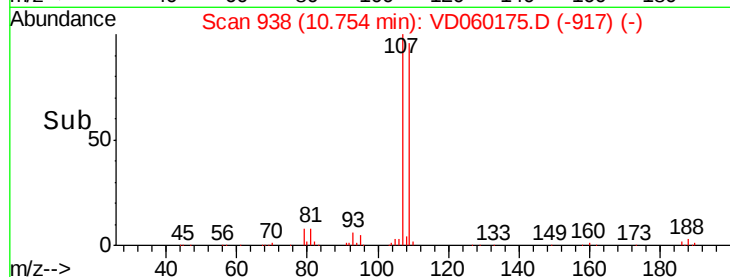
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.652 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

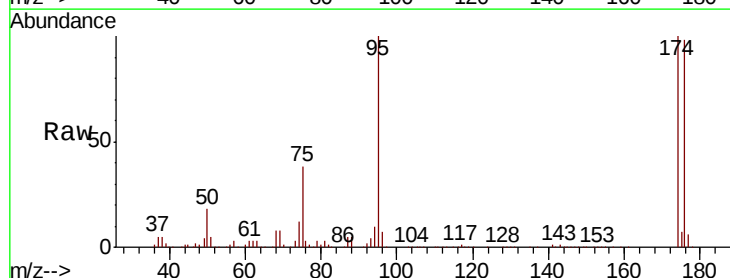
Tgt Ion: 95 Resp: 1068843

Ion Ratio Lower Upper

95 100

174 100.4 0.0 200.2

176 98.0 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

1000000

800000

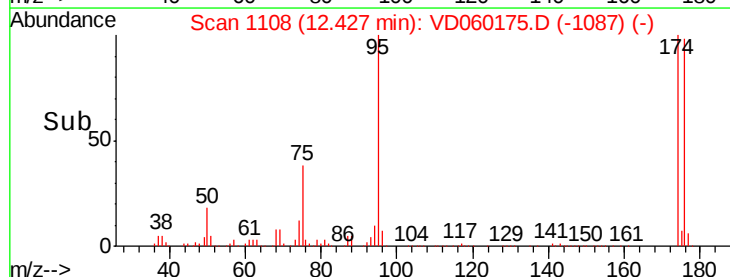
600000

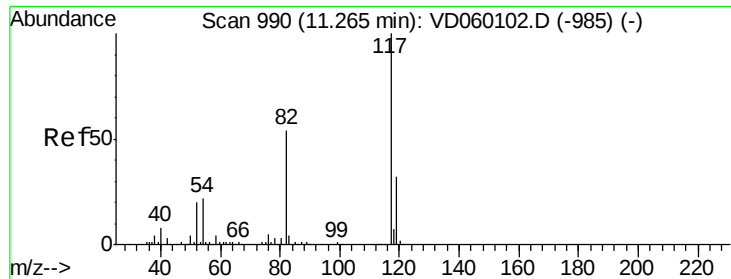
400000

200000

0

Time-->





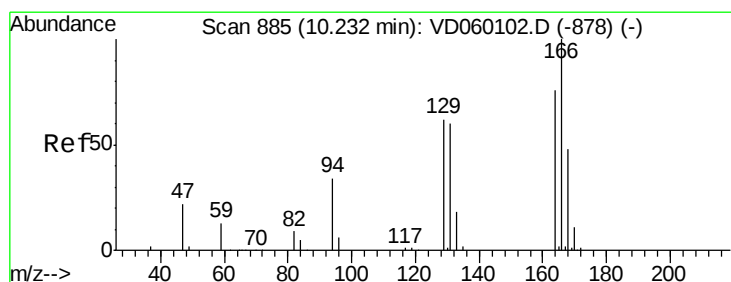
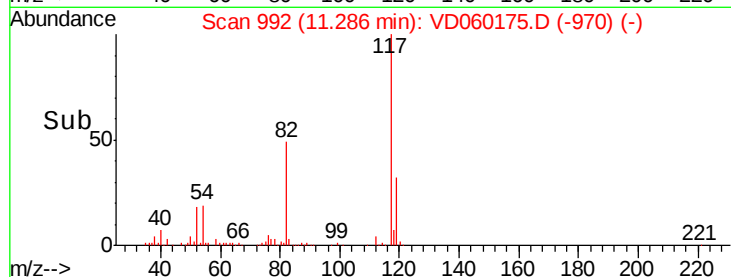
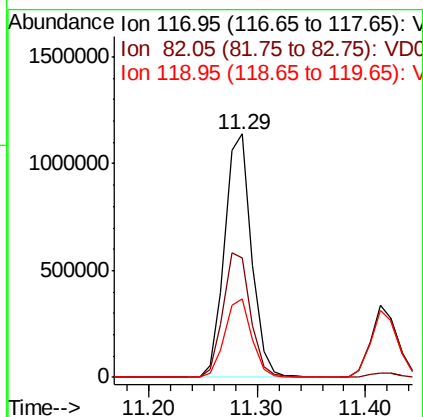
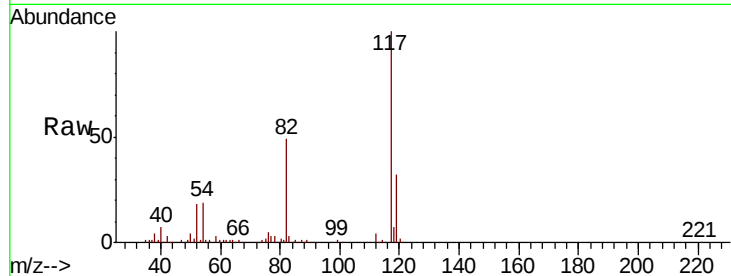
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	43.4	65.2
119	32.4	26.0	39.0

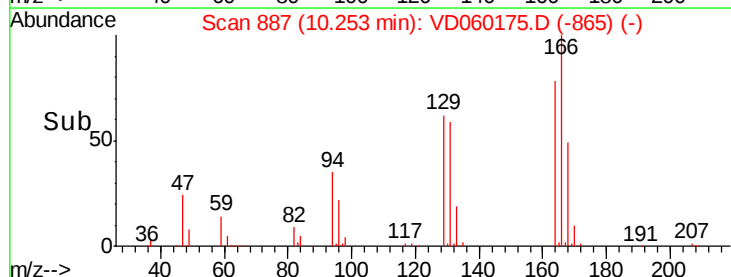
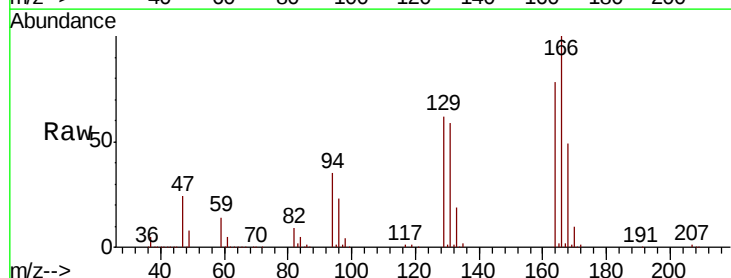
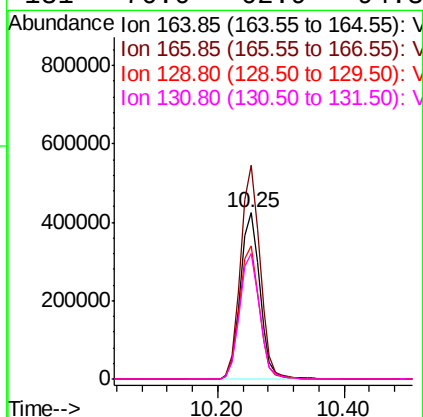
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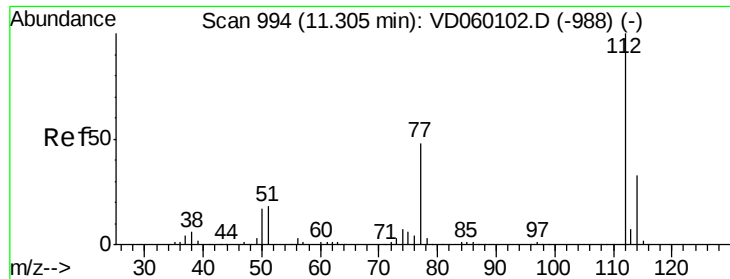
apatel
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#64
Tetrachloroethene
Concen: 52.085 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	105.4	158.0
129	80.0	65.7	98.5
131	76.0	62.9	94.3





#65

Chlorobenzene

Concen: 51.897 ug/l

RT: 11.32 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2223922

Ion Ratio Lower Upper

112 100

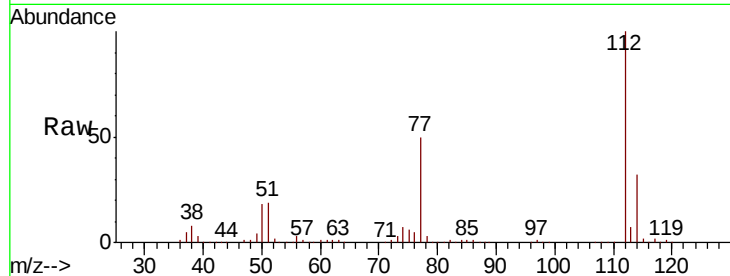
114 32.2 26.0 39.0

Manual Integrations

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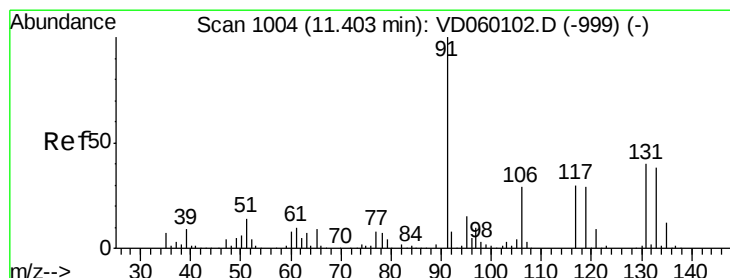
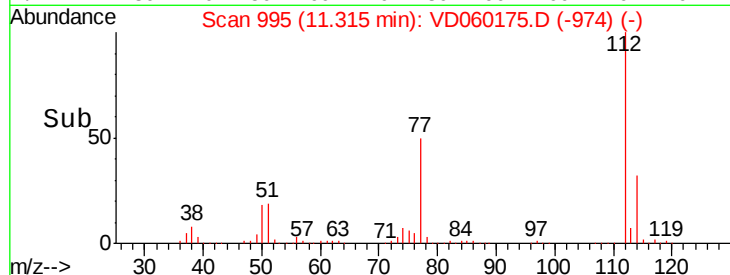
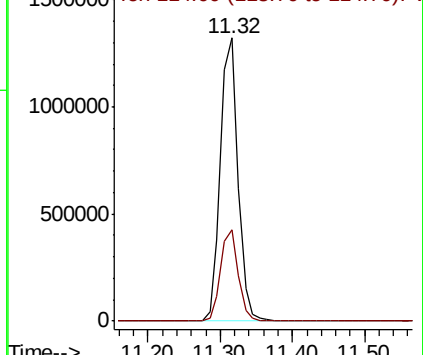
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.164 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

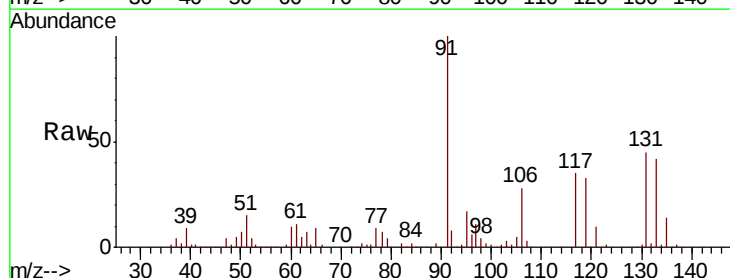
Tgt Ion:131 Resp: 760015

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.3

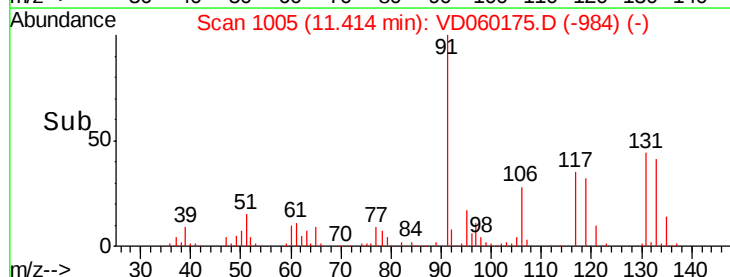
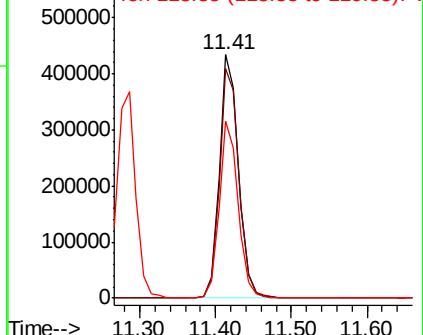
119 72.8 36.1 108.3

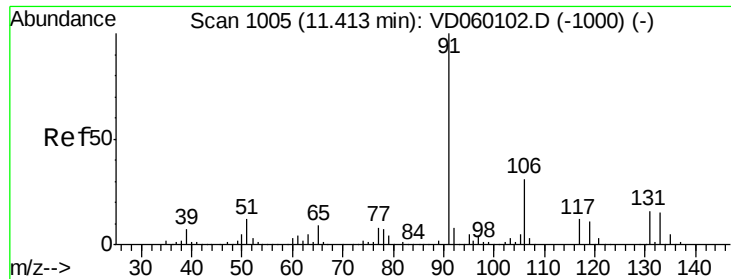


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





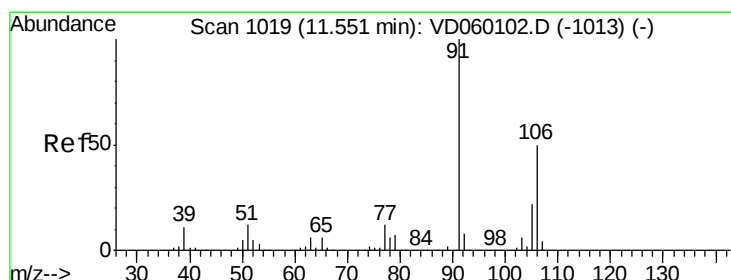
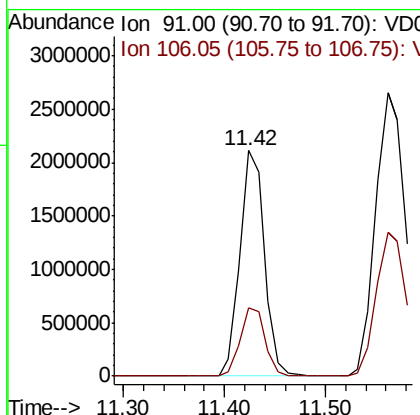
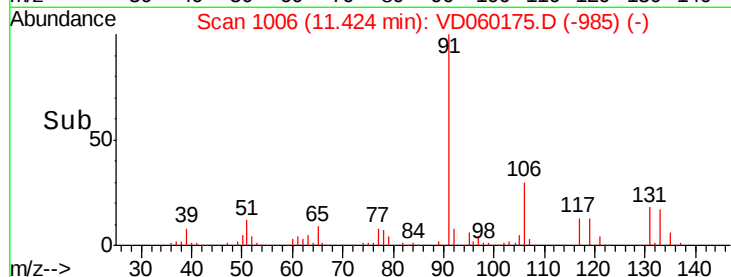
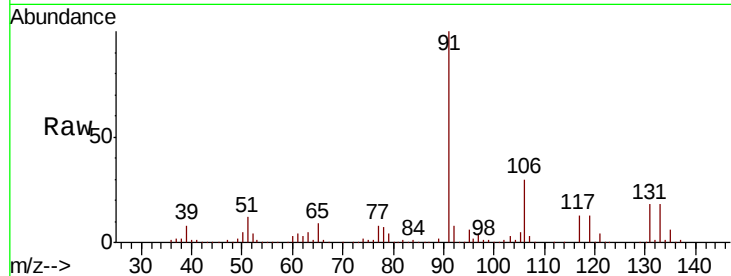
#67
Ethyl Benzene
Concen: 51.602 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3582648
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

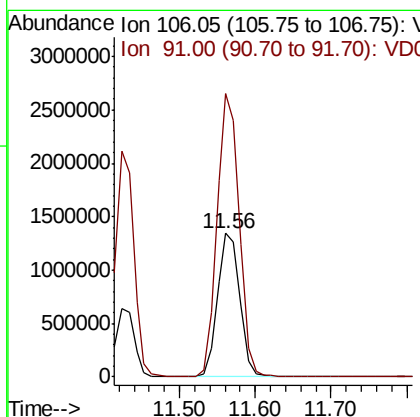
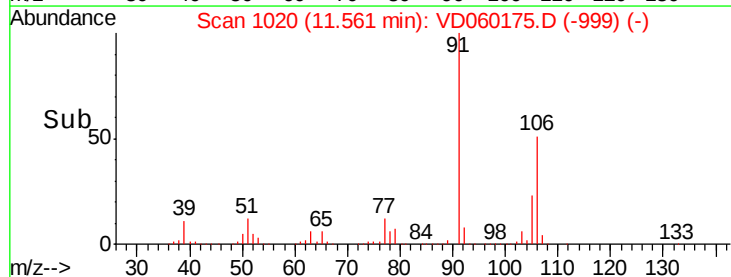
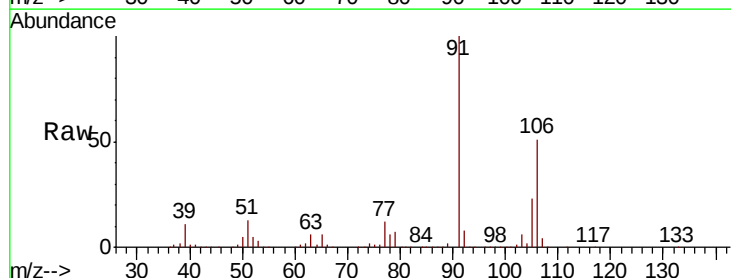
Manual Integrations
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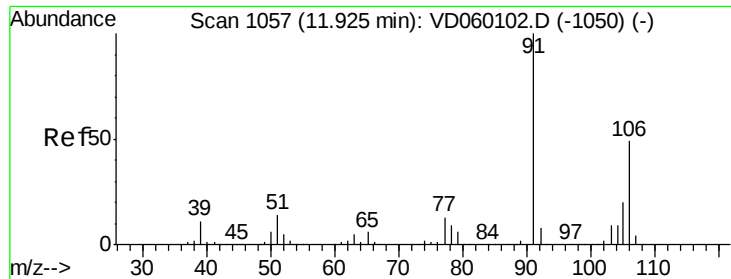
apatel
10/25/2018 4:48:53 PM



#68
m/p-Xylenes
Concen: 105.735 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 106 Resp: 2742885
Ion Ratio Lower Upper
106 100
91 197.2 160.0 240.0





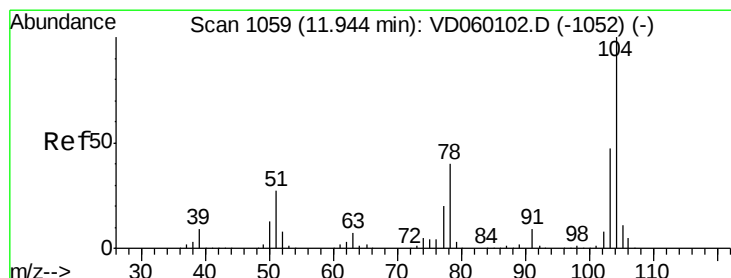
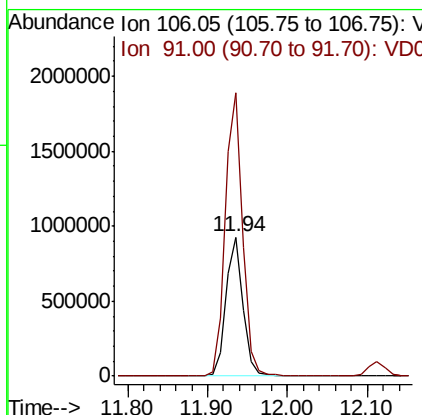
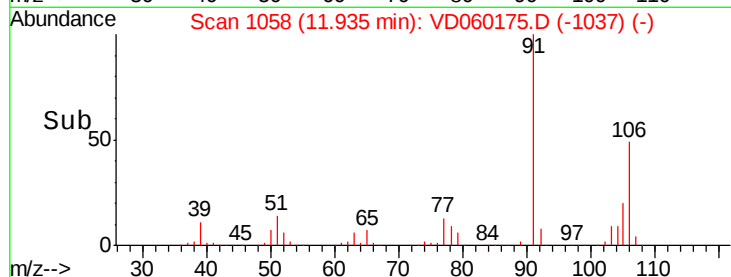
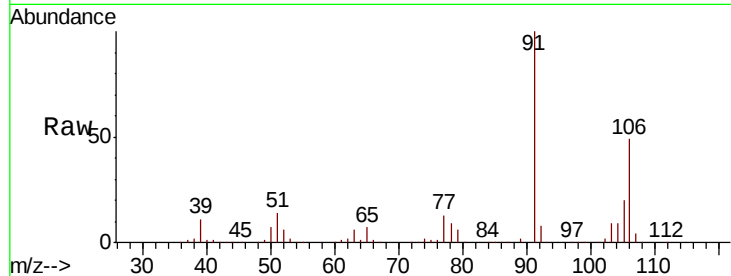
#69
o-Xylene
Concen: 54.173 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1390042
Ion Ratio Lower Upper
106 100
91 204.0 102.5 307.5

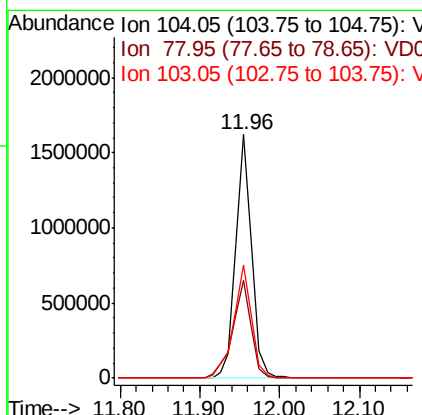
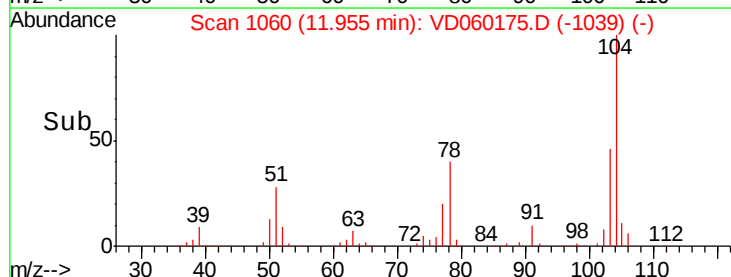
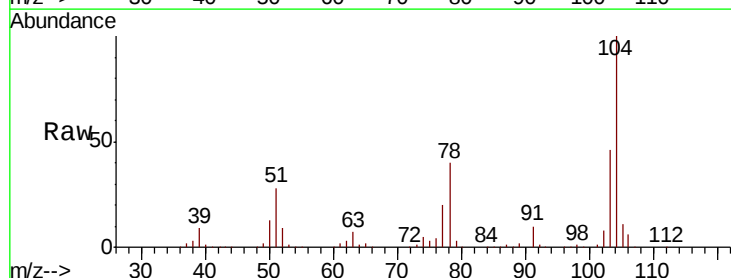
Manual Integrations
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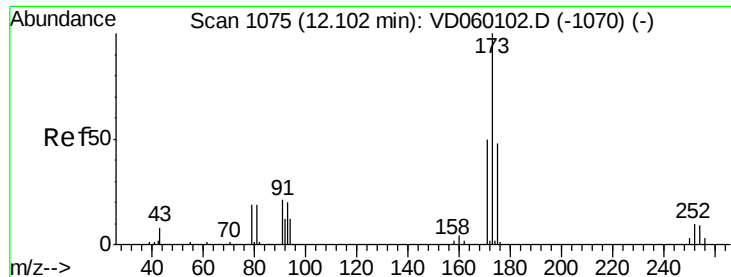
apatel
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#70
Styrene
Concen: 53.510 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion:104 Resp: 2296127
Ion Ratio Lower Upper
104 100
78 40.2 32.2 48.4
103 46.5 37.4 56.0





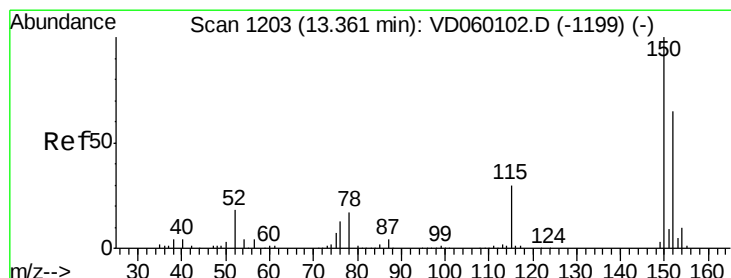
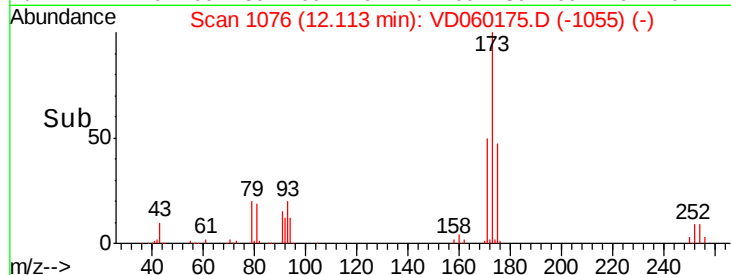
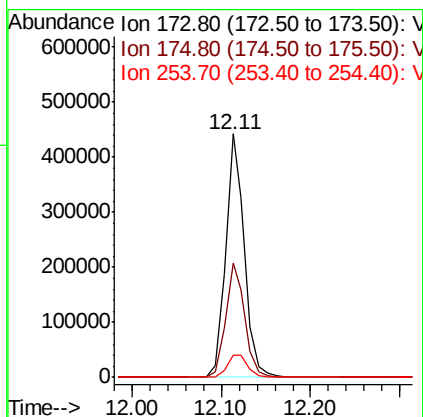
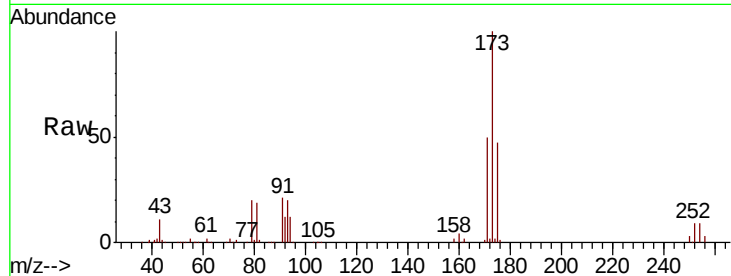
#71
Bromoform
Concen: 56.360 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.1	72.4
254	8.9	7.4	11.0

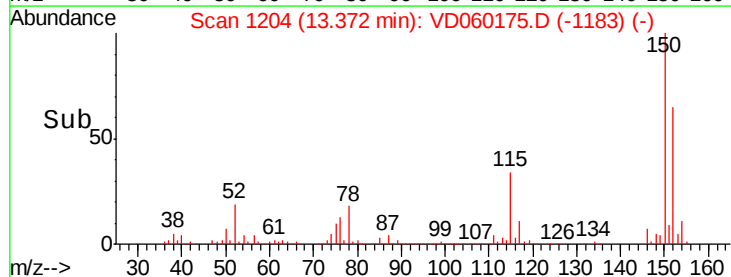
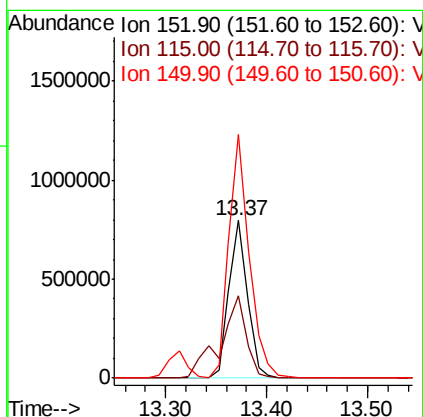
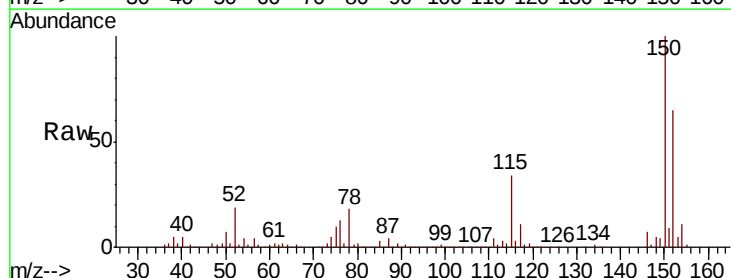
Manual Integrations
APPROVED

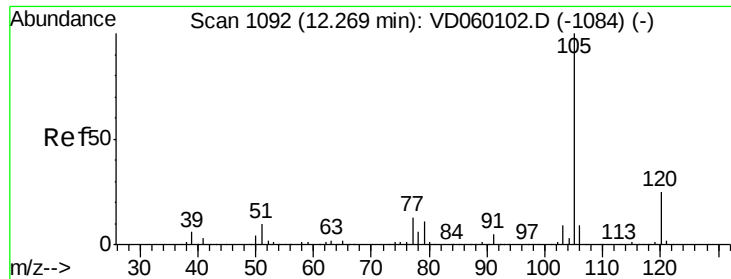
apatel
10/25/2018 4:48:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	27.1	81.2
150	154.5	0.0	311.8





#73

Isopropylbenzene

Concen: 56.128 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3761084

Ion Ratio Lower Upper

105 100

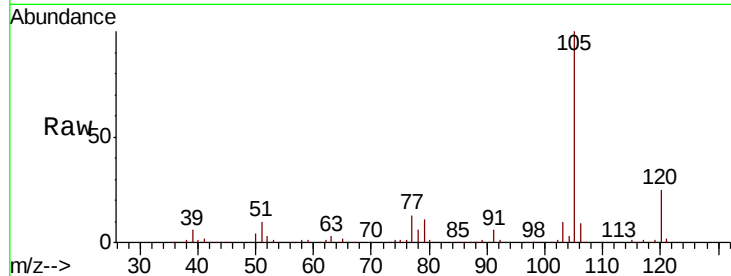
120 25.3 12.6 37.6

Manual Integrations

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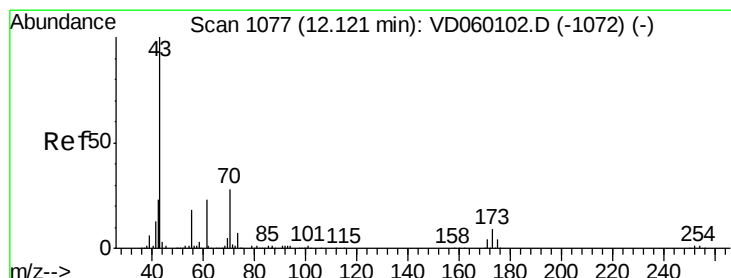
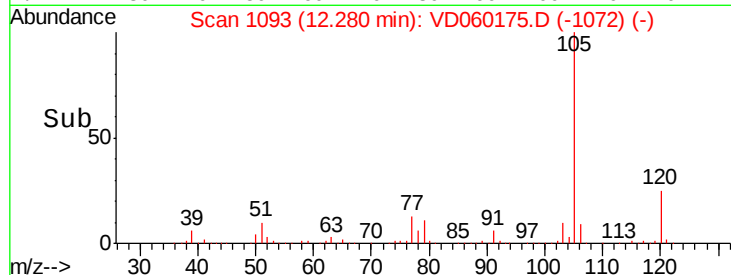
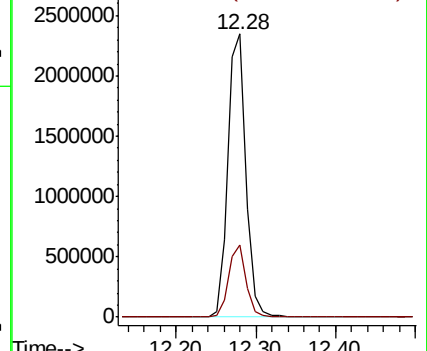
apatel

10/25/2018 4:48:53 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.157 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion: 43 Resp: 1353803

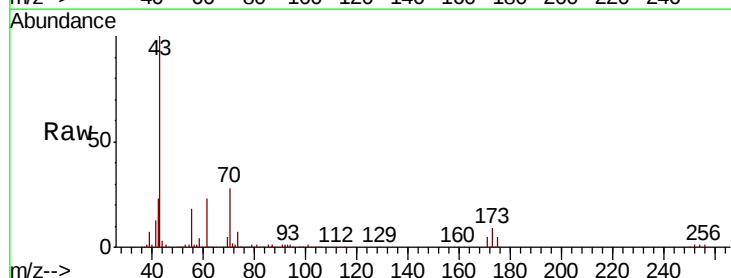
Ion Ratio Lower Upper

43 100

70 28.0 22.1 33.1

55 18.0 14.1 21.1

61 22.9 18.4 27.6

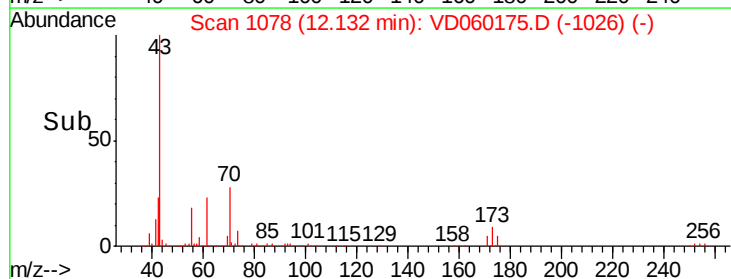
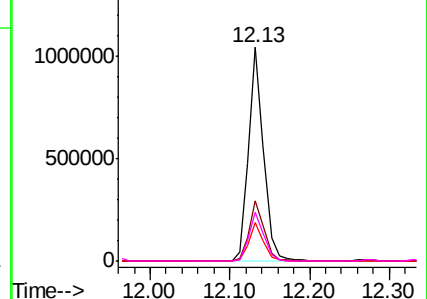


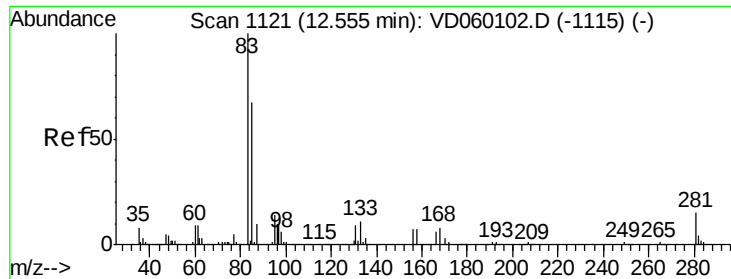
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.022 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

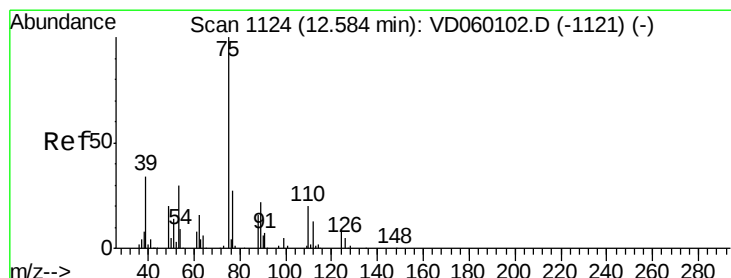
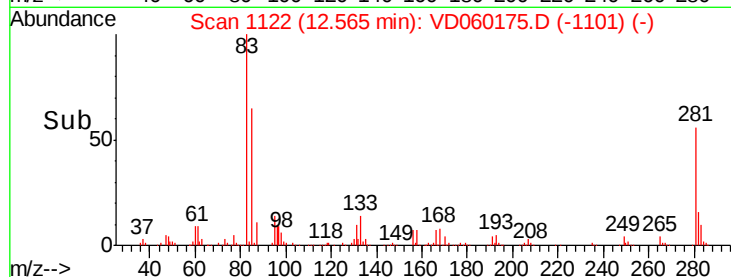
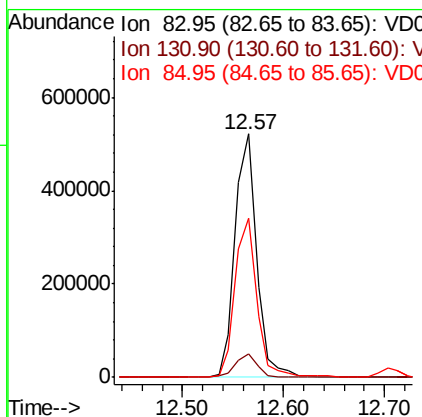
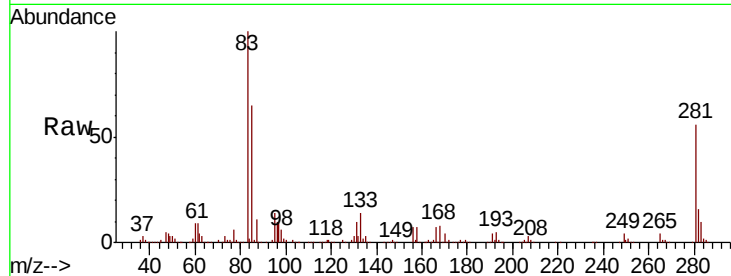
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	775666
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.4
85	65.3	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.462 ug/l

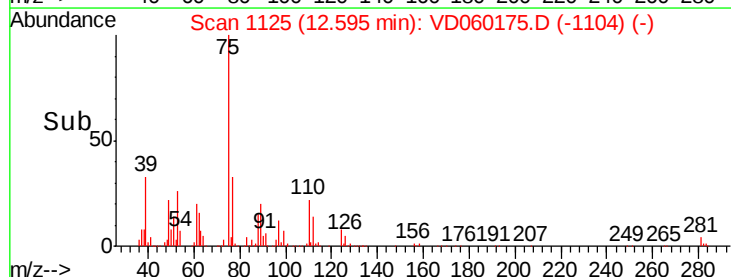
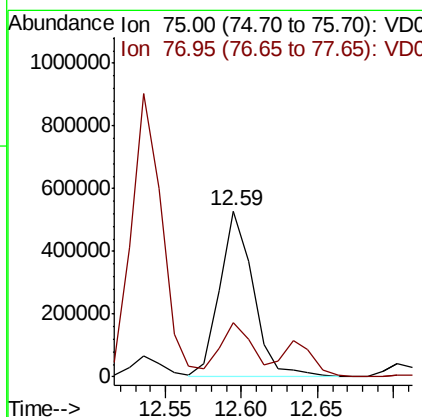
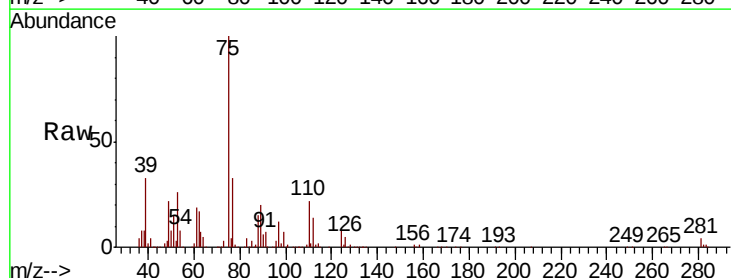
RT: 12.59 min Scan# 1125

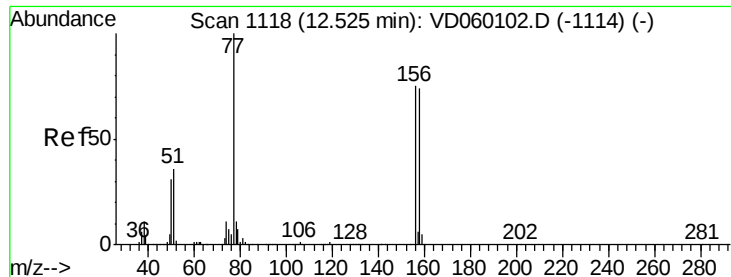
Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion:	75	Resp:	811277
Ion Ratio	Lower	Upper	
75	100		
77	33.0	16.3	48.9





#77

Bromobenzene

Concen: 54.009 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 156 Resp: 1051680

Ion Ratio Lower Upper

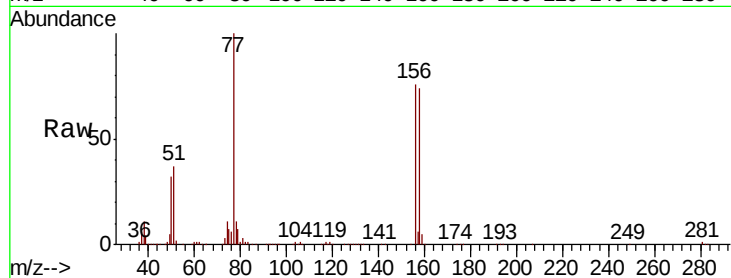
156 100

77 132.3 66.9 200.7

158 97.6 49.1 147.4

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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

1200000

1000000

800000

600000

400000

200000

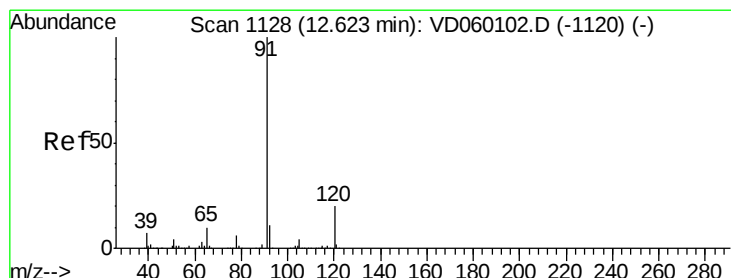
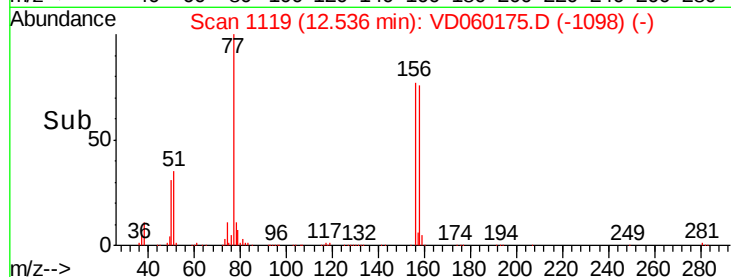
0

12.50

12.60

12.70

Time-->



#78

n-propylbenzene

Concen: 56.388 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060175.D

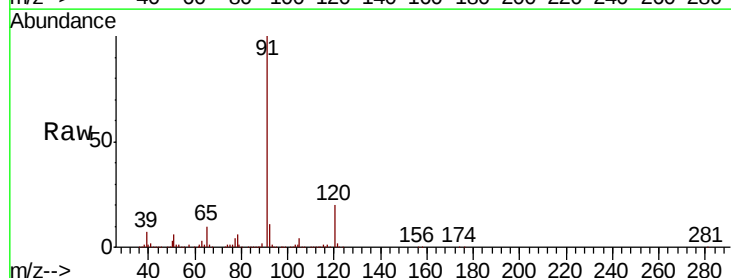
Acq: 24 Oct 2018 11:38

Tgt Ion: 91 Resp: 4691793

Ion Ratio Lower Upper

91 100

120 20.2 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

3000000

2000000

1000000

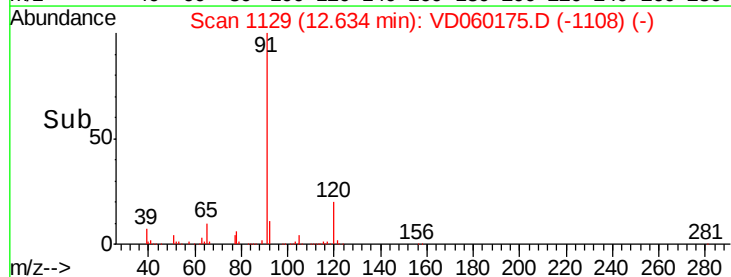
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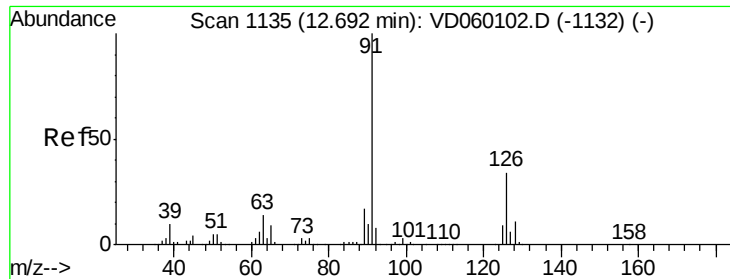
12.50

12.60

12.70

Time-->





#79

2-Chlorotoluene

Concen: 54.432 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2513642

Ion Ratio Lower Upper

91 100

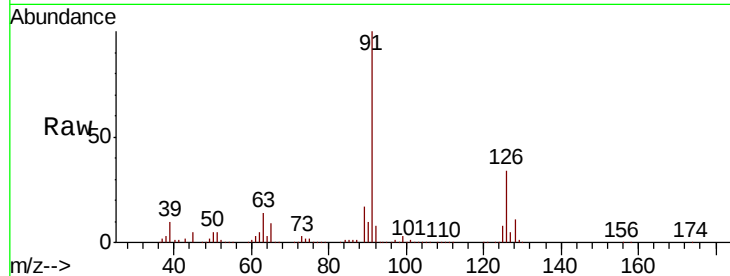
126 33.6 16.8 50.3

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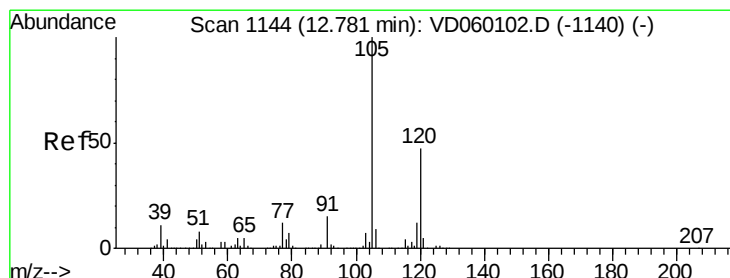
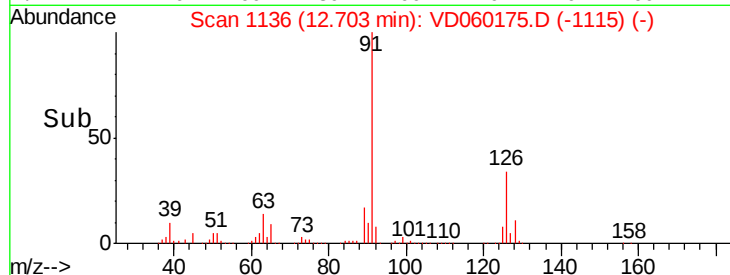
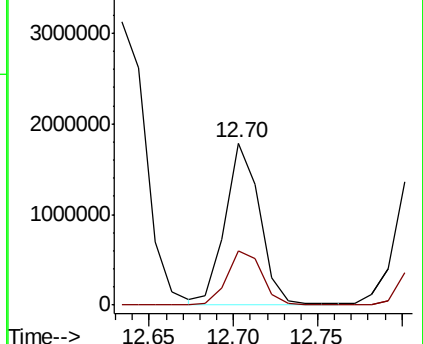
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.939 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060175.D

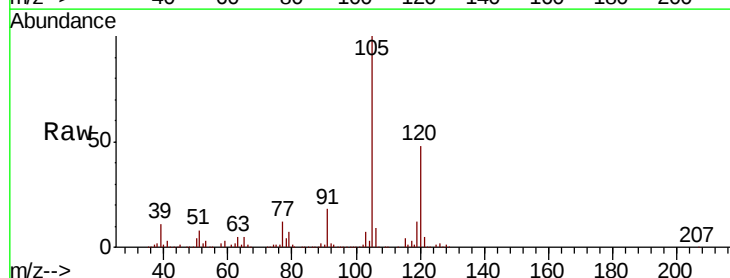
Acq: 24 Oct 2018 11:38

Tgt Ion: 105 Resp: 2849247

Ion Ratio Lower Upper

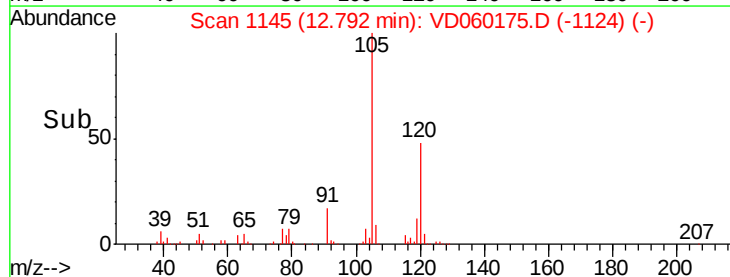
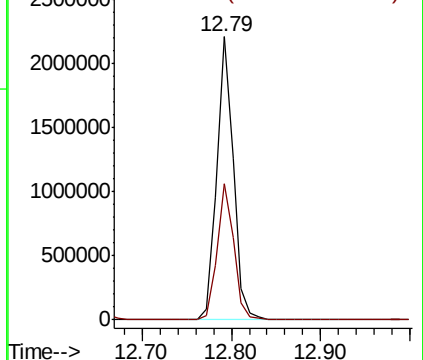
105 100

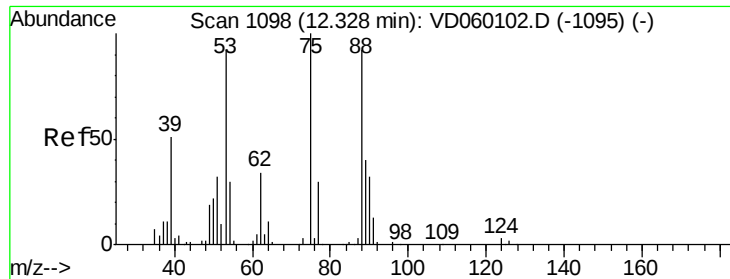
120 47.9 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.417 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

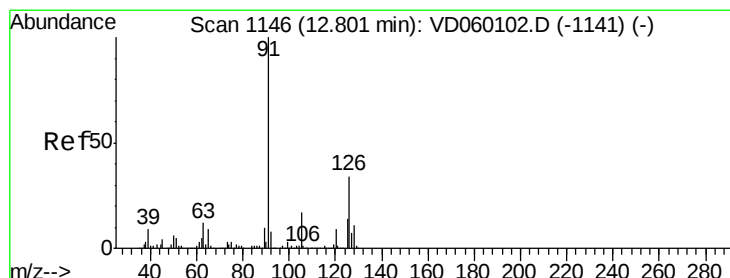
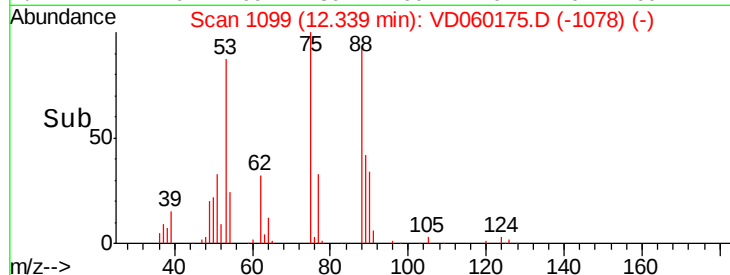
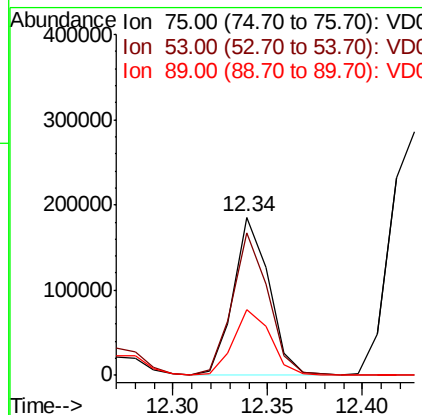
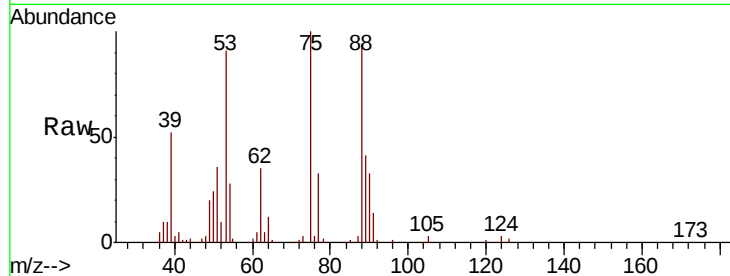
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	240102
Ion	Ratio	Lower	Upper
75	100		
53	90.6	73.0	109.6
89	41.5	32.0	48.0

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#82

4-Chlorotoluene

Concen: 54.152 ug/l

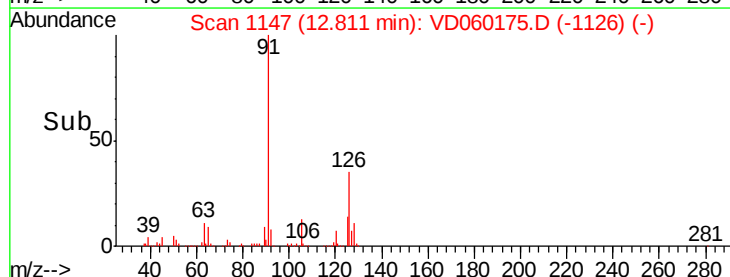
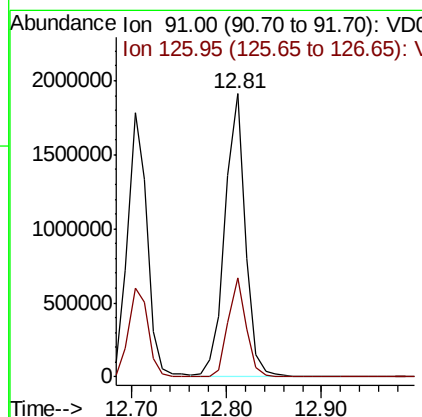
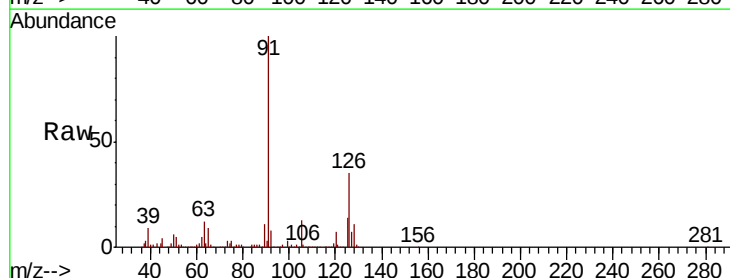
RT: 12.81 min Scan# 1147

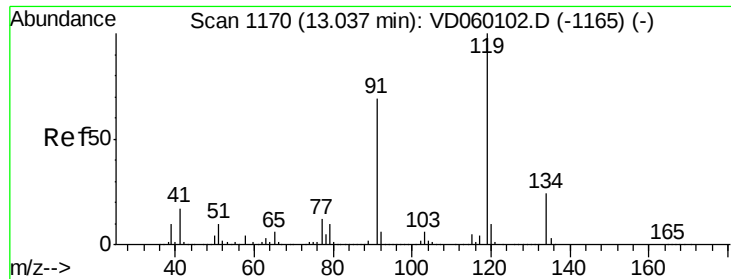
Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion:	91	Resp:	2828450
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.1	51.2





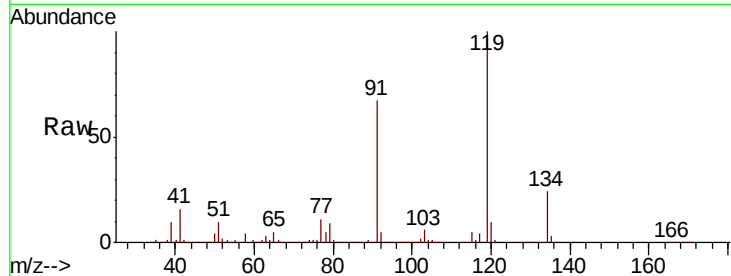
#83
tert-Butylbenzene
Concen: 55.755 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

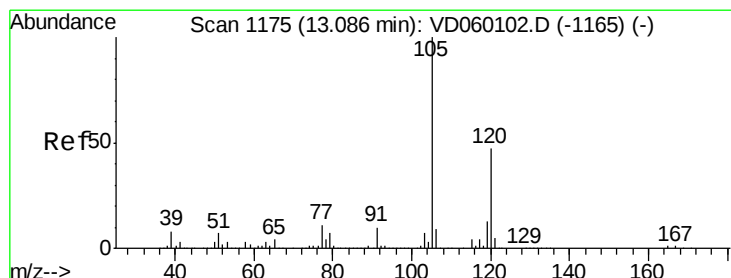
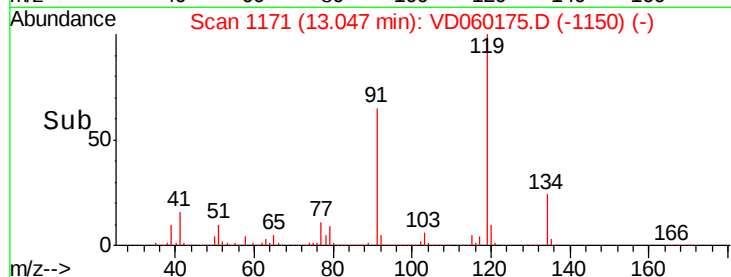
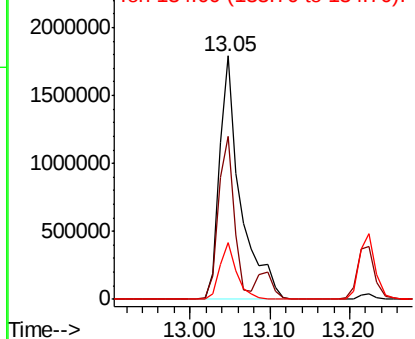
Tot Ion:119 Resp: 3318153
Ion Ratio Lower Upper
119 100
91 67.0 34.8 104.4
134 23.6 11.8 35.4

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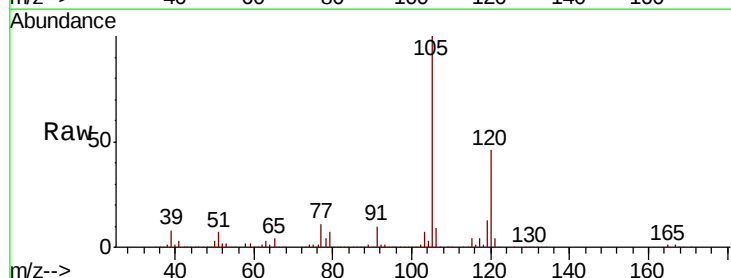


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

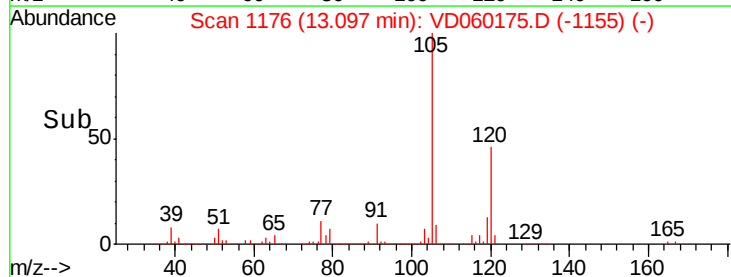
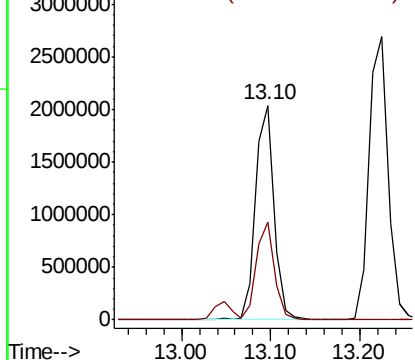


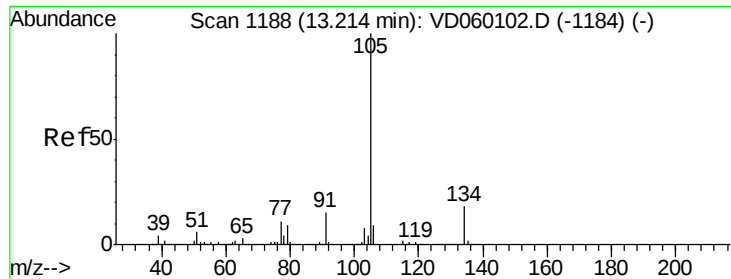
#84
1,2,4-Trimethylbenzene
Concen: 52.883 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion:105 Resp: 2890514
Ion Ratio Lower Upper
105 100
120 45.8 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: 56.045 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3943731

Ion Ratio Lower Upper

105 100

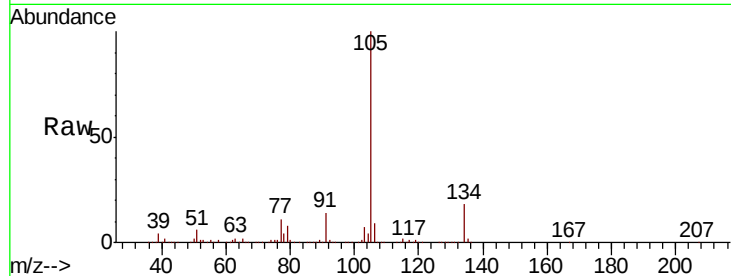
134 17.9 8.8 26.2

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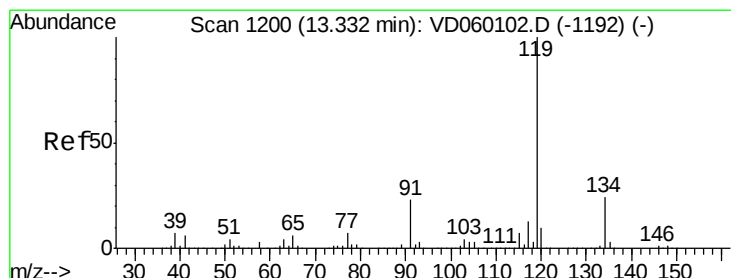
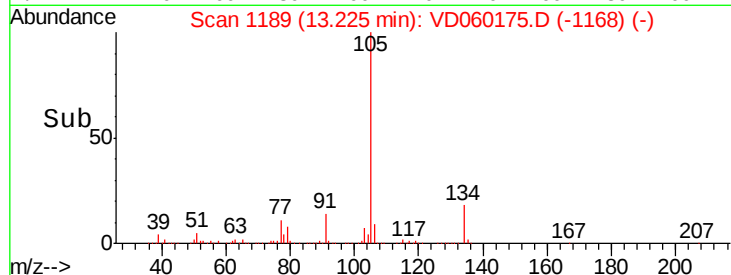
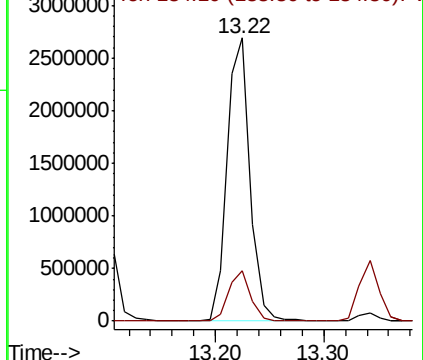
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.839 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

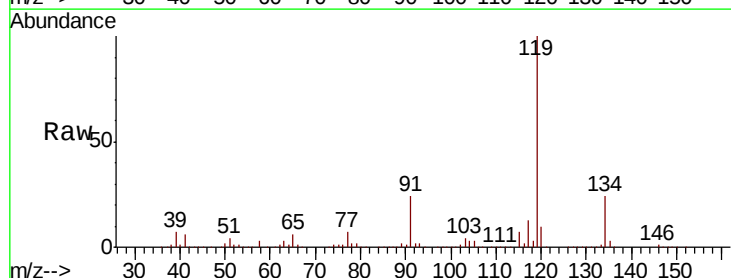
Tgt Ion:119 Resp: 3049657

Ion Ratio Lower Upper

119 100

134 24.5 12.3 36.8

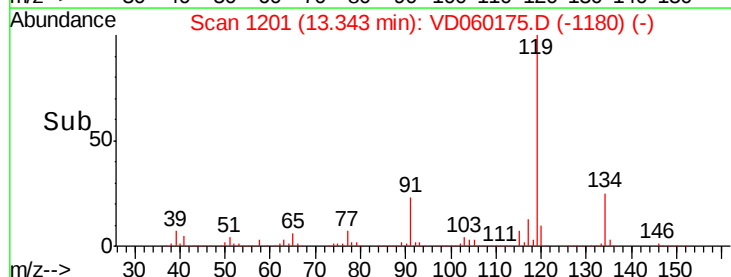
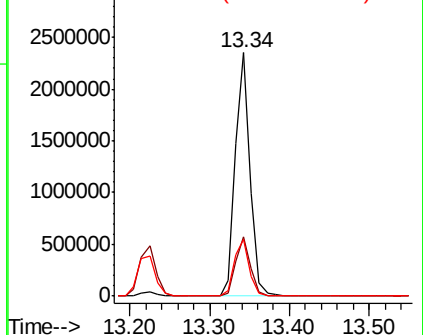
91 23.5 11.8 35.4

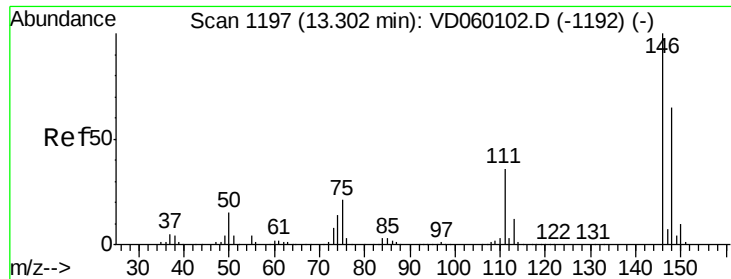


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





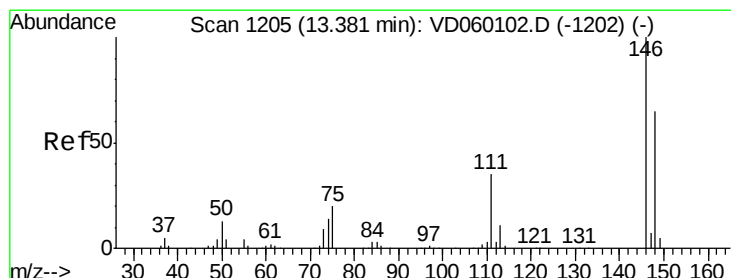
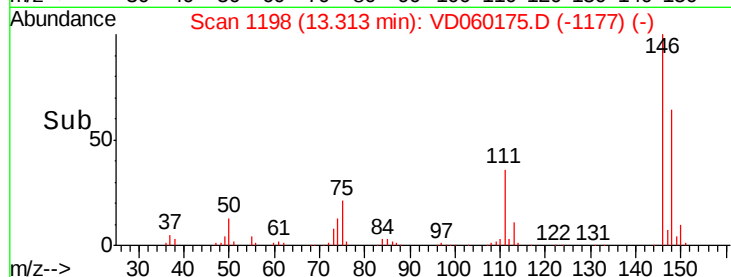
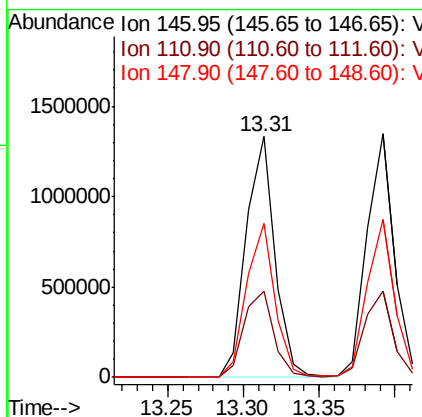
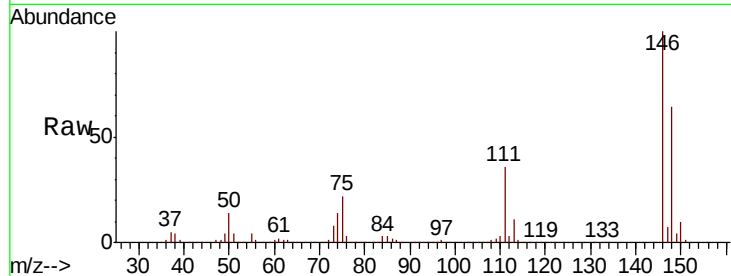
#87
 1,3-Dichlorobenzene
 Concen: 52.152 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.3
148	63.9	32.3	96.9

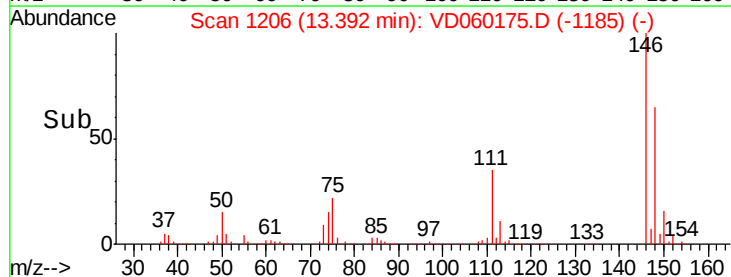
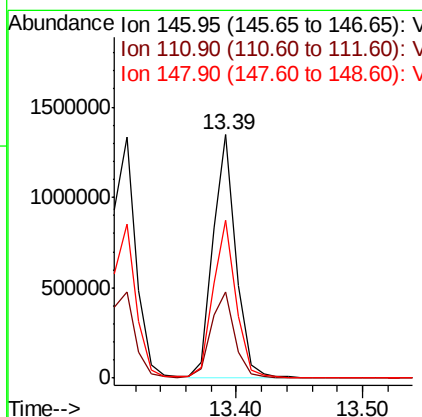
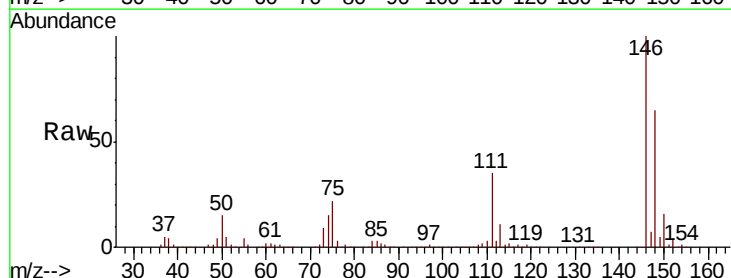
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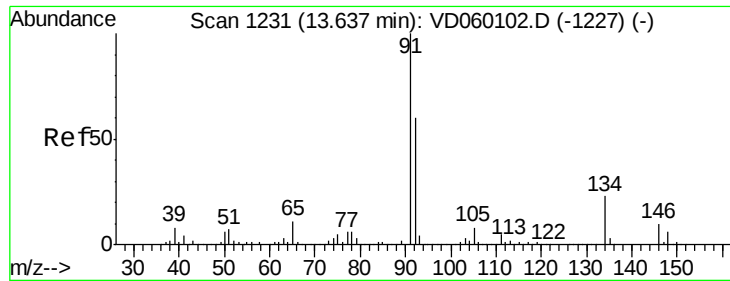
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#88
 1,4-Dichlorobenzene
 Concen: 50.019 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.8	53.3
148	64.8	32.4	97.2





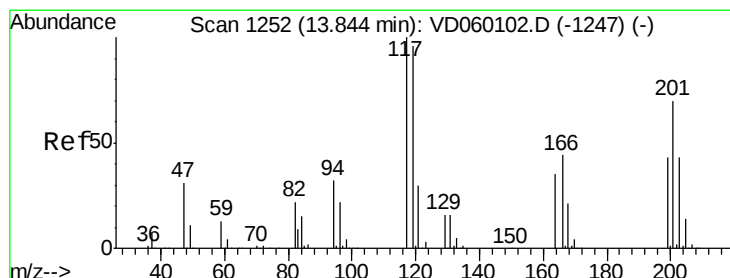
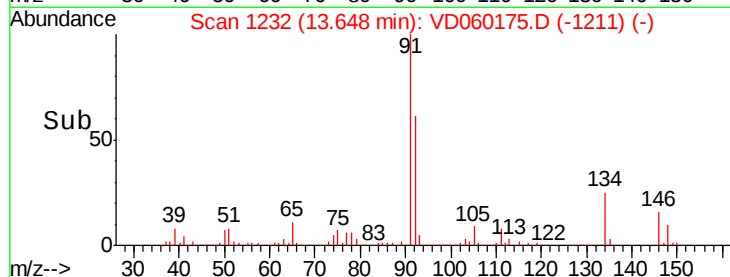
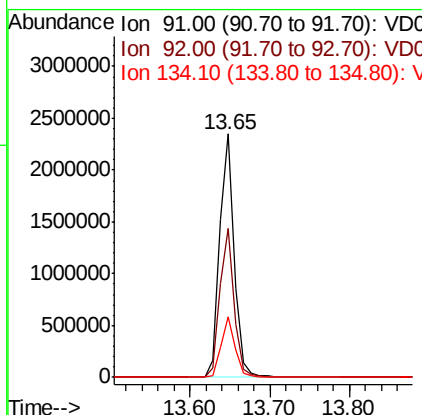
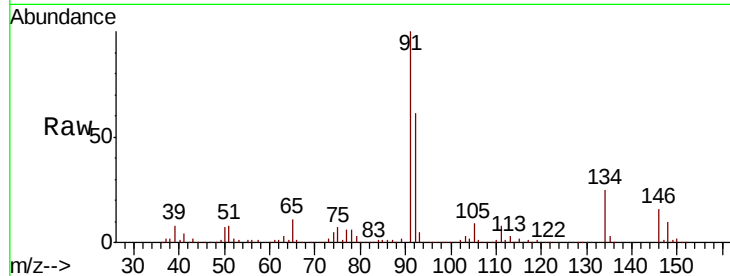
#89
n-Butylbenzene
Concen: 53.836 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3031879
Ion Ratio Lower Upper
91 100
92 60.9 30.1 90.3
134 24.9 11.6 34.7

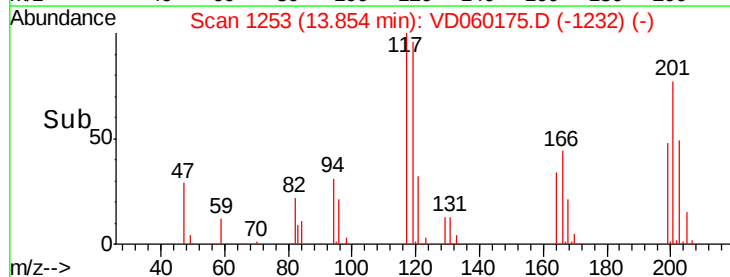
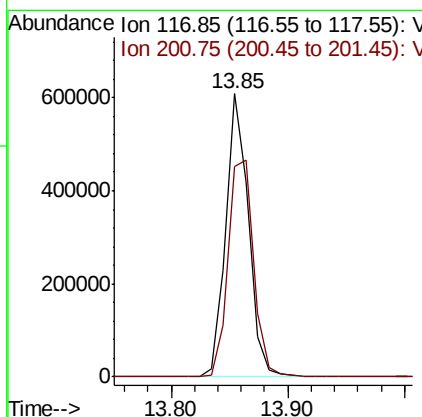
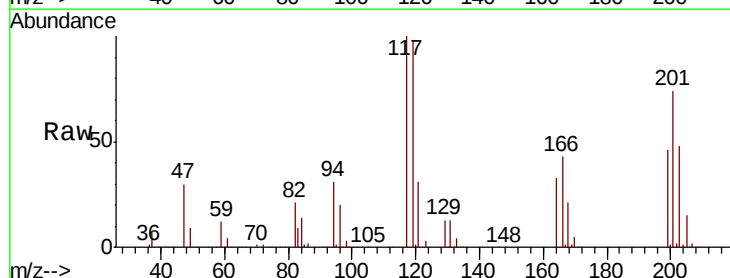
Manual Integrations
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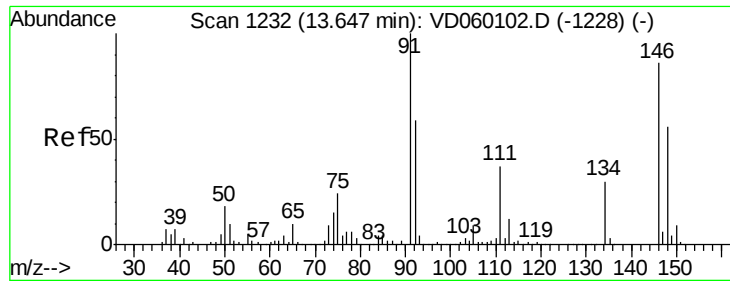
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#90
Hexachloroethane
Concen: 61.720 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 117 Resp: 824415
Ion Ratio Lower Upper
117 100
201 74.5 34.8 104.5





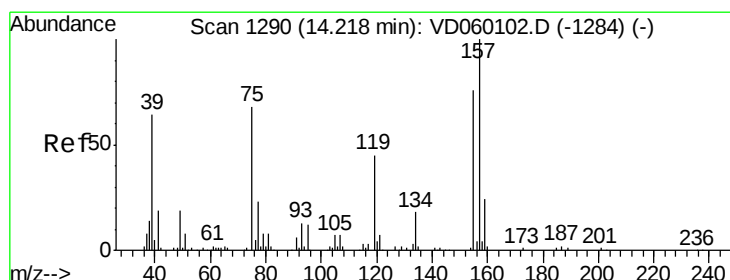
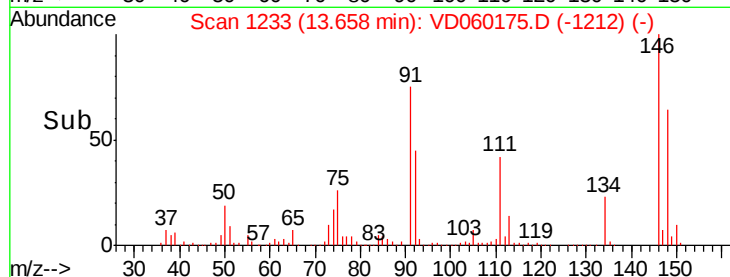
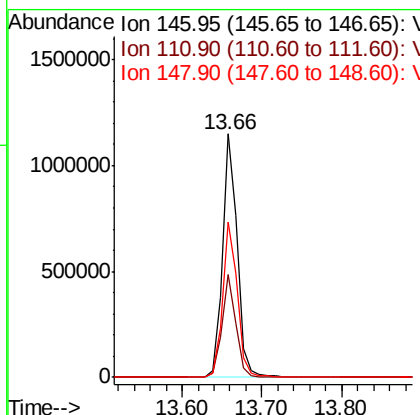
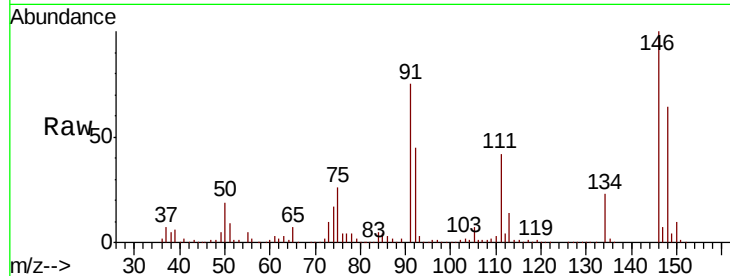
#91
 1,2-Dichlorobenzene
 Concen: 52.255 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 146 Resp: 1490635
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.4 64.3
 148 63.7 32.2 96.6

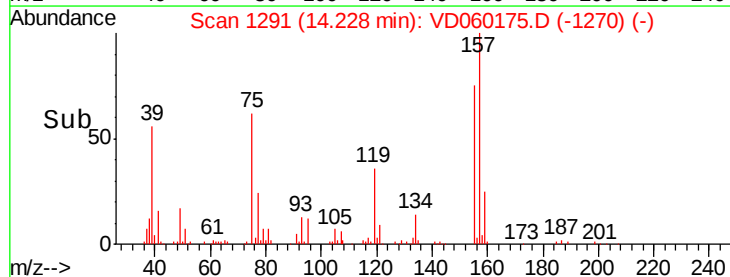
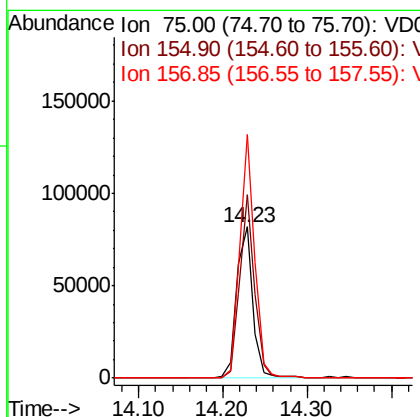
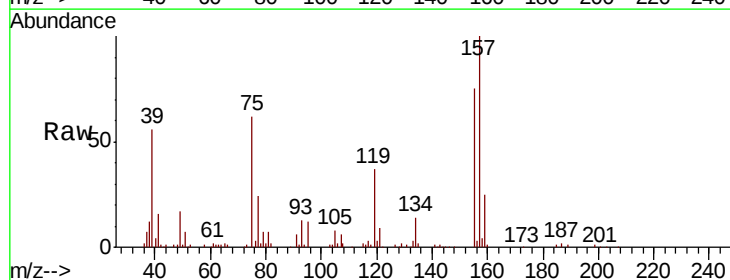
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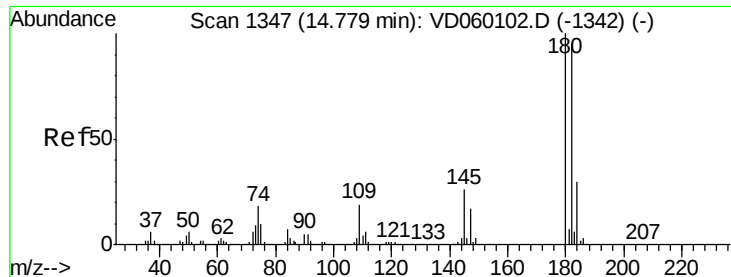
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.538 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 75 Resp: 110435
 Ion Ratio Lower Upper
 75 100
 155 121.5 55.9 167.7
 157 161.3 73.3 219.8





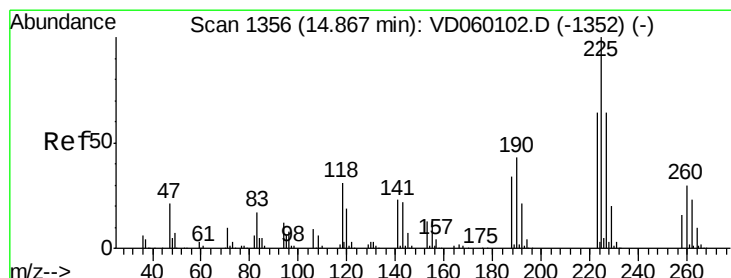
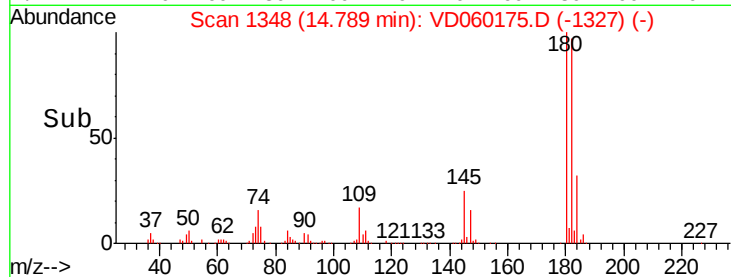
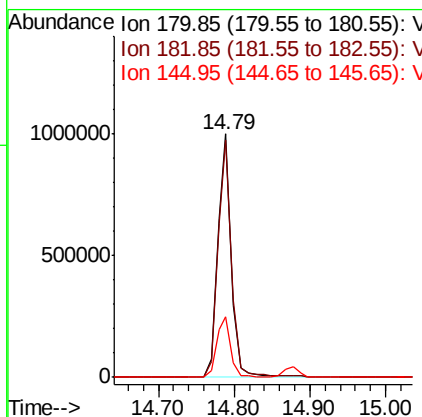
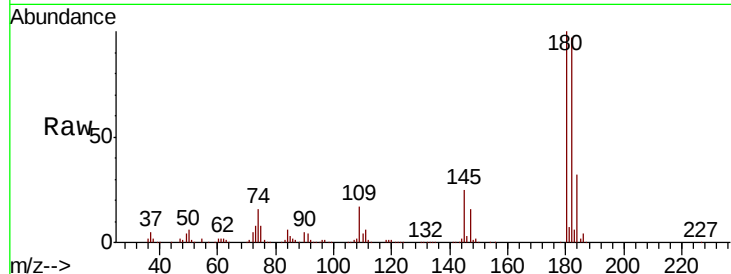
#93
 1,2,4-Trichlorobenzene
 Concen: 52.432 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.8
145	24.6	13.0	38.9

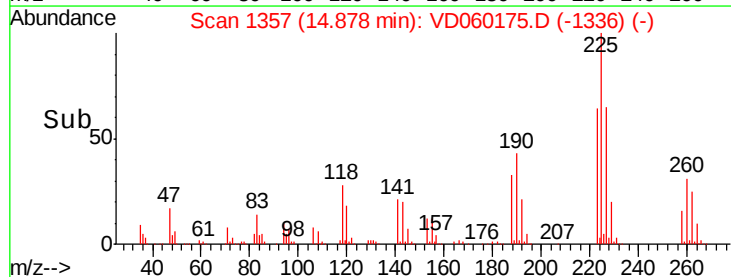
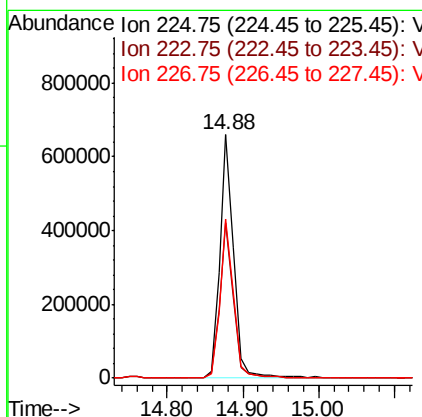
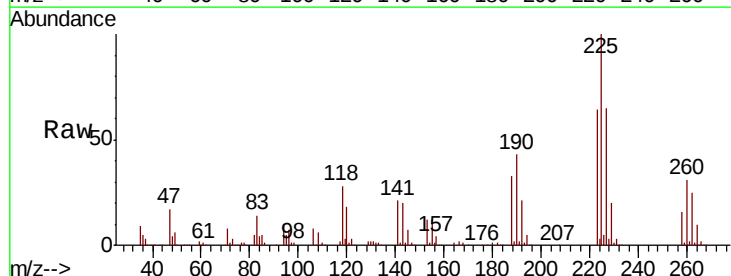
Manual Integrations
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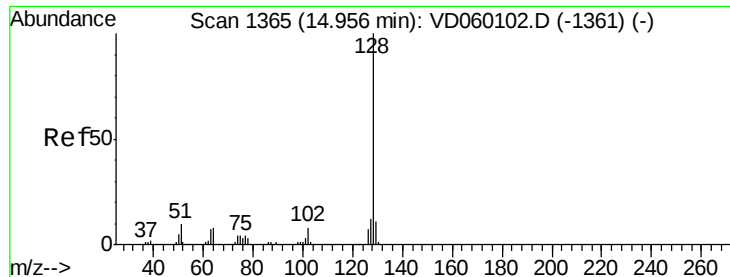
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#94
 Hexachlorobutadiene
 Concen: 53.052 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.8	95.4
227	65.4	32.0	96.0





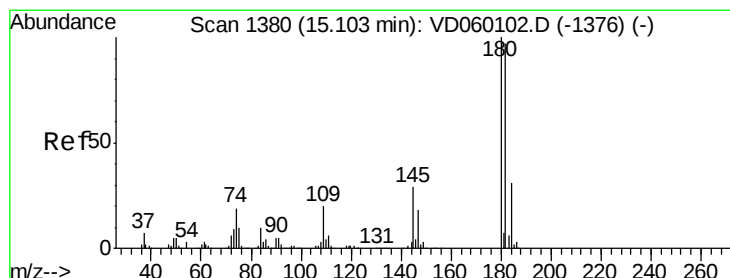
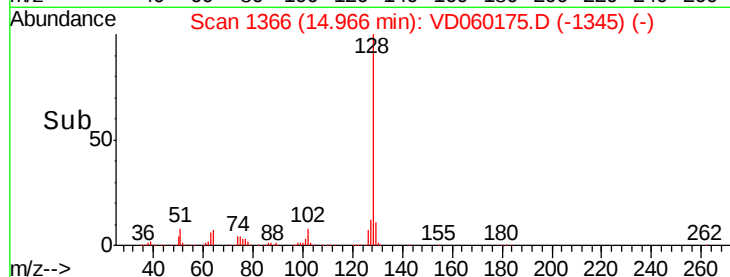
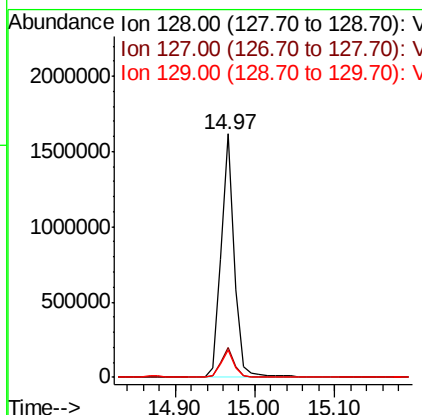
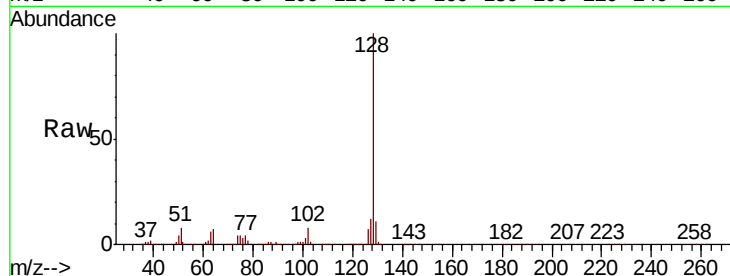
#95
Naphthalene
Concen: 53.064 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.420 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	26.3	14.5	43.6

