

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060145.D
 Acq On : 9 Oct 2018 10:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/10/2018 11:31:47 AM

Quant Time: Oct 09 17:08:52 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	6.38	168	1694592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2364165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1879010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1008485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	642630	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	6.29	113	919648	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	9.43	98	2556241	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.42	95	966552	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	769464	48.271	ug/l	99
3) Chloromethane	1.74	50	682902	47.510	ug/l	98
4) Vinyl Chloride	1.84	62	586410	49.851	ug/l	99
5) Bromomethane	2.12	94	97116	65.750	ug/l	99
6) Chloroethane	2.23	64	169589	52.831	ug/l	98
7) Trichlorofluoromethane	2.49	101	696107	49.422	ug/l	98
8) Diethyl Ether	2.80	74	140186	48.402	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.06	101	440584	50.211	ug/l	100
10) Methyl Iodide	3.21	142	475227	51.070	ug/l	98
11) Tert butyl alcohol	3.93	59	204882	222.397	ug/l	98
12) 1,1-Dichloroethene	3.05	96	357462	51.711	ug/l	93
13) Acrolein	2.96	56	130925	230.543	ug/l	100
14) Allyl chloride	3.50	41	732091	50.992	ug/l	99
15) Acrylonitrile	4.05	53	883344	231.658	ug/l	99
16) Acetone	3.14	43	635774	272.769	ug/l	98
17) Carbon Disulfide	3.28	76	1119491	48.158	ug/l	100
18) Methyl Acetate	3.53	43	249724	49.848	ug/l	99
19) Methyl tert-butyl Ether	4.09	73	1465628	48.222	ug/l	99
20) Methylene Chloride	3.69	84	868497	47.088	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	862554	48.313	ug/l	98
22) Diisopropyl ether	4.83	45	3171871	49.470	ug/l	99
23) Vinyl Acetate	4.77	43	8588555	238.302	ug/l	99
24) 1,1-Dichloroethane	4.72	63	1446699	49.764	ug/l	99
25) 2-Butanone	5.60	43	1437263	246.827	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1159015	52.590	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	940545	49.724	ug/l	94
28) Bromochloromethane	5.89	49	698566	49.448	ug/l	97
29) Tetrahydrofuran	5.92	42	773216	228.609	ug/l	98
30) Chloroform	6.08	83	1472499	50.073	ug/l	99
31) Cyclohexane	6.33	56	1286315	46.222	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1237655	51.371	ug/l	99
36) 1,1-Dichloropropene	6.49	75	1082528	47.917	ug/l	99
37) Ethyl Acetate	5.67	43	697196	46.494	ug/l	99
38) Carbon Tetrachloride	6.47	117	1040778	50.758	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1269424	49.454	ug/l	99
40) Benzene	6.77	78	2881076	48.746	ug/l	99
41) Methacrylonitrile	5.90	41	351828m	41.510	ug/l	
42) 1,2-Dichloroethane	6.87	62	815852	48.148	ug/l	99
43) Isopropyl Acetate	8.32	43	926906	46.984	ug/l #	100
44) Trichloroethene	7.71	130	891925	48.750	ug/l	99
45) 1,2-Dichloropropane	8.08	63	760113	49.116	ug/l	100
46) Dibromomethane	8.19	93	486401	48.546	ug/l	96
47) Bromodichloromethane	8.47	83	1082033	50.685	ug/l	99
48) Methyl methacrylate	8.22	41	541877	48.220	ug/l	97
49) 1,4-Dioxane	8.20	88	105930	958.054	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2837180	228.011	ug/l	100
52) Toluene	9.52	92	1832008	48.129	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	982679	50.872	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	1188559	49.827	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	583448	46.886	ug/l	98
56) Ethyl methacrylate	10.01	69	642471	46.772	ug/l	100
57) 1,3-Dichloropropane	10.37	76	914887	48.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1728238	226.569	ug/l	100
59) 2-Hexanone	10.47	43	2154676	240.809	ug/l	100
60) Dibromochloromethane	10.62	129	774923	50.755	ug/l	97
61) 1,2-Dibromoethane	10.74	107	641343	48.506	ug/l	97
64) Tetrachloroethene	10.23	164	808398	49.121	ug/l	98
65) Chlorobenzene	11.29	112	2035167	50.066	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	679608	50.115	ug/l	98
67) Ethyl Benzene	11.41	91	3204359	48.654	ug/l	99
68) m/p-Xylenes	11.55	106	2515914	102.241	ug/l	99
69) o-Xylene	11.92	106	1180815	48.513	ug/l	100
70) Styrene	11.94	104	2022196	49.680	ug/l	100
71) Bromoform	12.10	173	567204	51.654	ug/l	100
73) Isopropylbenzene	12.27	105	3341116	50.218	ug/l	99
74) N-amyl acetate	12.12	43	1181040	48.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	680521	46.852	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	688422	47.401	ug/l	99
77) Bromobenzene	12.52	156	935156	48.369	ug/l	98
78) n-propylbenzene	12.62	91	3993178	48.336	ug/l	100
79) 2-Chlorotoluene	12.69	91	2198131	47.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	2551520	49.551	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	211041	51.714	ug/l	98
82) 4-Chlorotoluene	12.80	91	2453834	47.316	ug/l	100
83) tert-Butylbenzene	13.04	119	2906169	49.182	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	2636427	48.580	ug/l	99
85) sec-Butylbenzene	13.21	105	3551214	50.829	ug/l	99
86) p-Isopropyltoluene	13.33	119	2823874	49.278	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	1636008	48.569	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	1635446	48.337	ug/l	99
89) n-Butylbenzene	13.64	91	2810869	50.270	ug/l	99
90) Hexachloroethane	13.84	117	719498	54.251	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1367369	48.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	92577	47.735	ug/l	98

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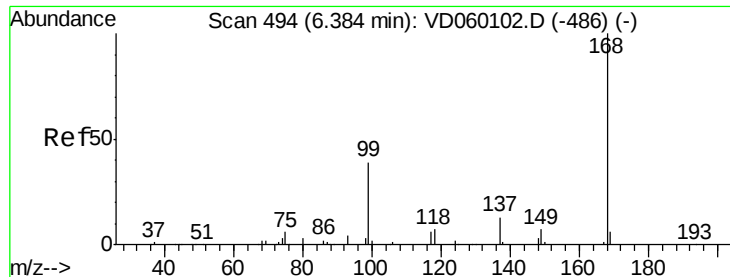
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1170340	48.683	ug/l	98
94) Hexachlorobutadiene	14.87	225	816574	51.101	ug/l	99
95) Naphthalene	14.95	128	1681193	47.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	989304	47.307	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1694592

Ion Ratio Lower Upper

168 100

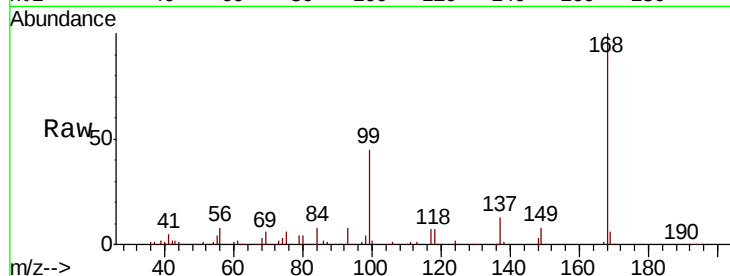
99 44.9 35.4 53.0

Manual Integrations

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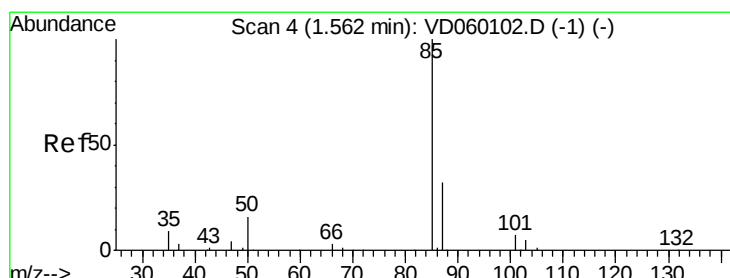
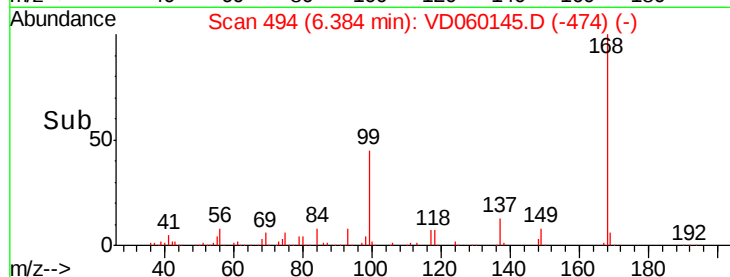
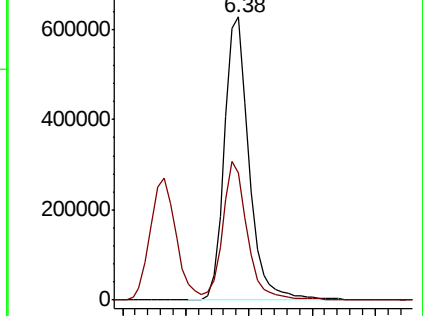
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.271 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060145.D

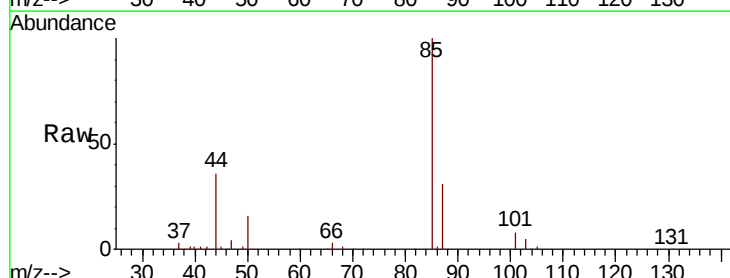
Acq: 9 Oct 2018 10:49

Tgt Ion: 85 Resp: 769464

Ion Ratio Lower Upper

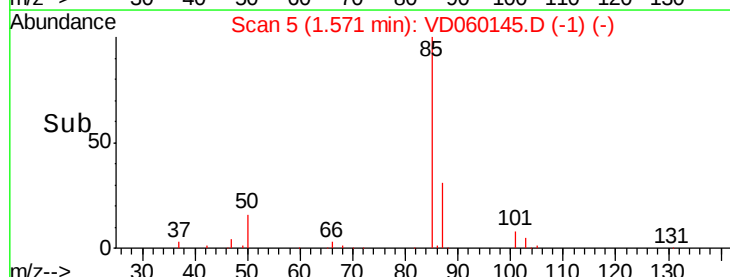
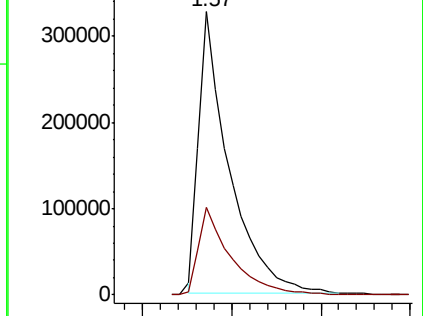
85 100

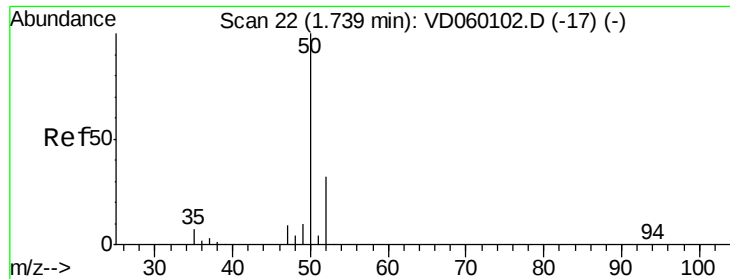
87 31.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.510 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 682902

Ion Ratio Lower Upper

50 100

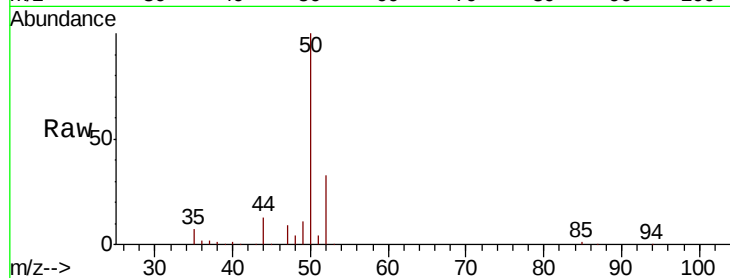
52 32.7 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

250000

200000

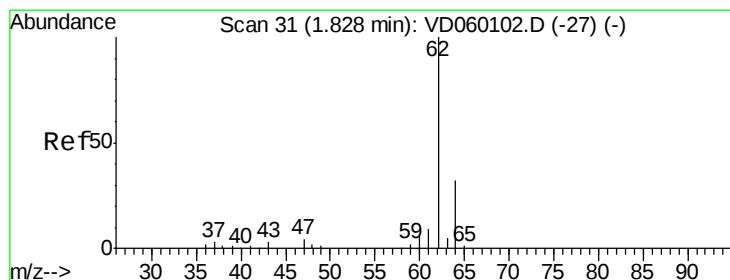
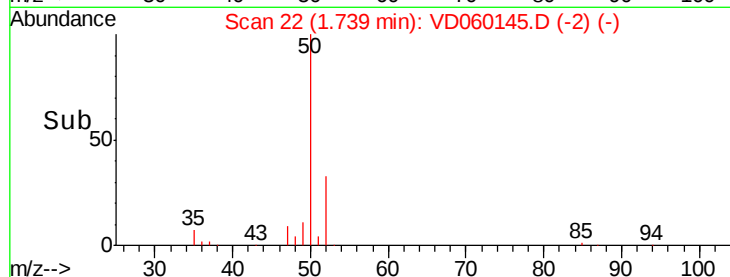
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.851 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060145.D

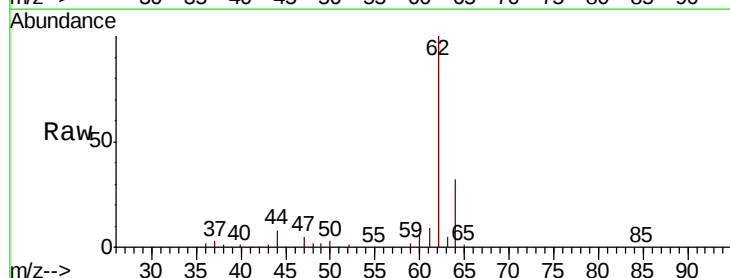
Acq: 9 Oct 2018 10:49

Tgt Ion: 62 Resp: 586410

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

300000

250000

200000

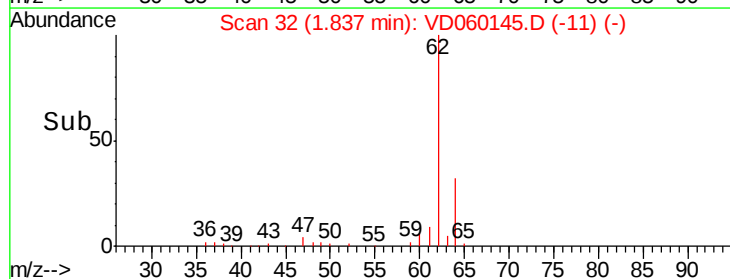
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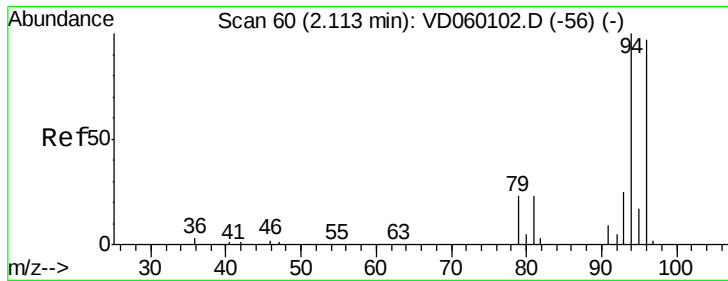
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50000

0

Time-->





#5

Bromomethane

Concen: 65.750 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 97116

Ion Ratio Lower Upper

94 100

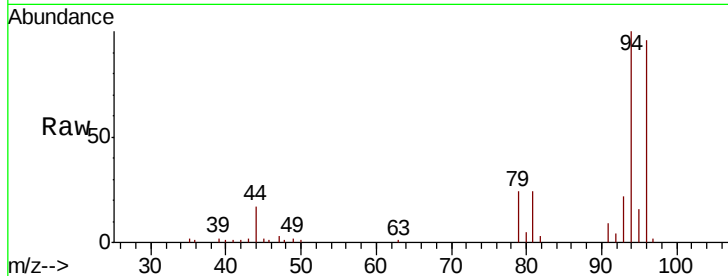
96 95.8 77.4 116.2

Manual Integrations

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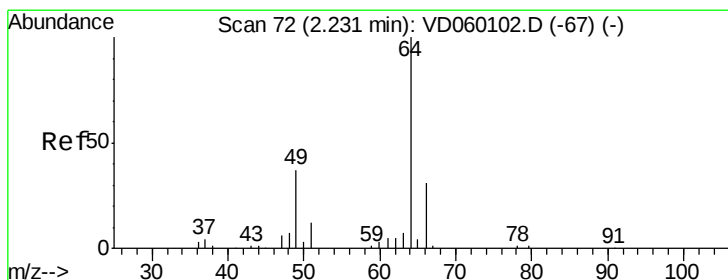
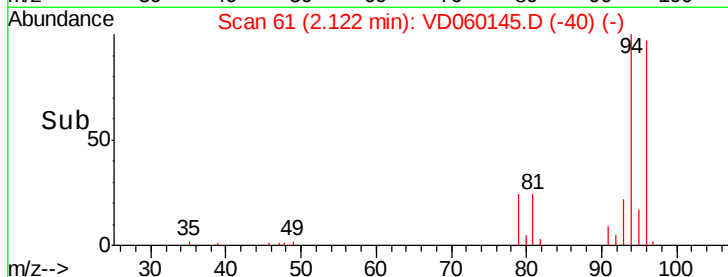
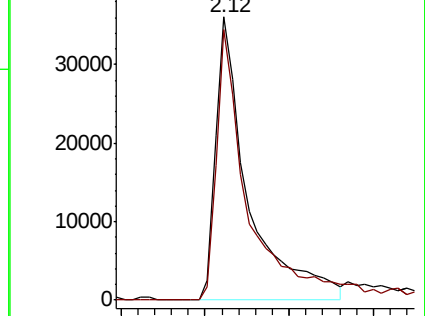
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.831 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060145.D

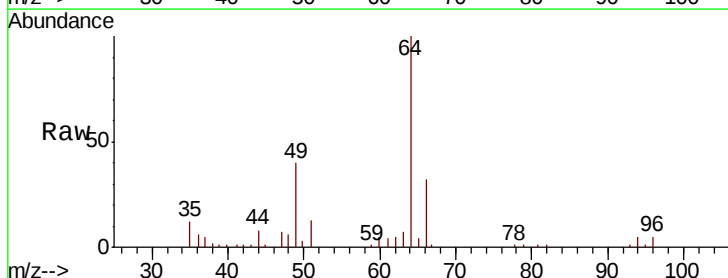
Acq: 9 Oct 2018 10:49

Tgt Ion: 64 Resp: 169589

Ion Ratio Lower Upper

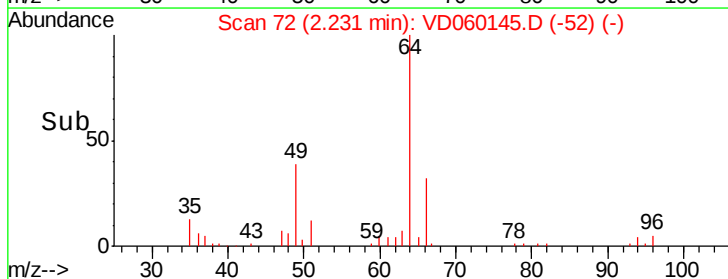
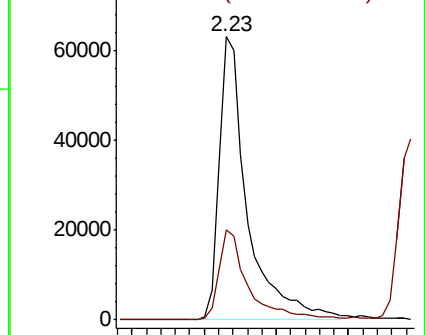
64 100

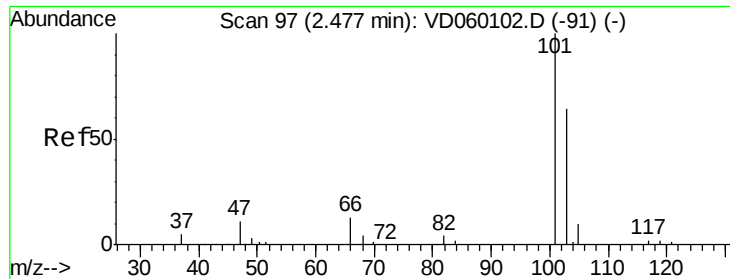
66 31.8 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 49.422 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

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Tot Ion:101 Resp: 696107

Ion Ratio Lower Upper

101 100

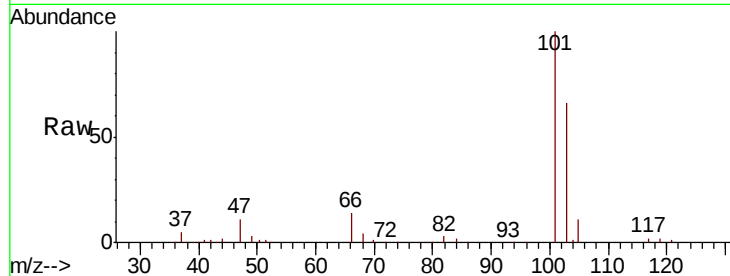
103 66.2 51.5 77.3

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

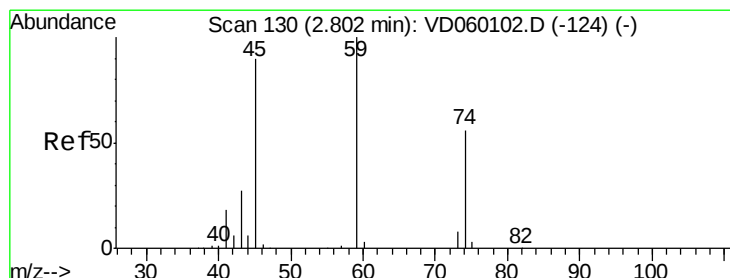
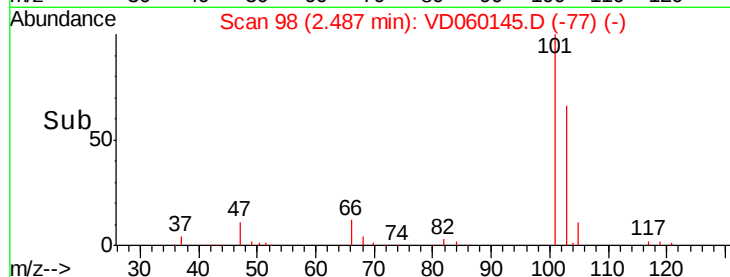
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200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 48.402 ug/l

RT: 2.80 min Scan# 130

Delta R.T. -0.00 min

Lab File: VD060145.D

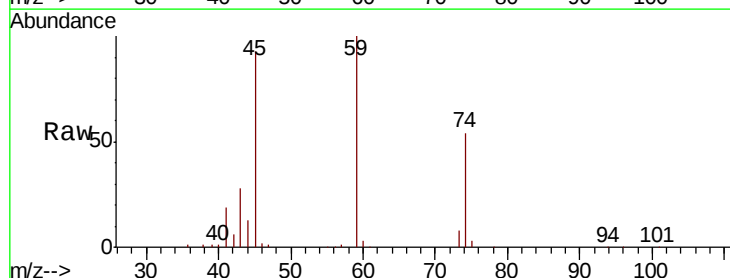
Acq: 9 Oct 2018 10:49

Tgt Ion: 74 Resp: 140186

Ion Ratio Lower Upper

74 100

45 170.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

120000

100000

80000

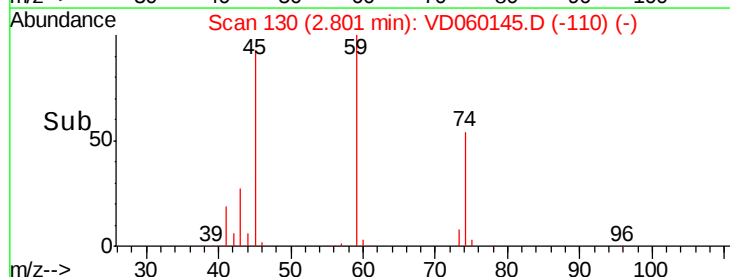
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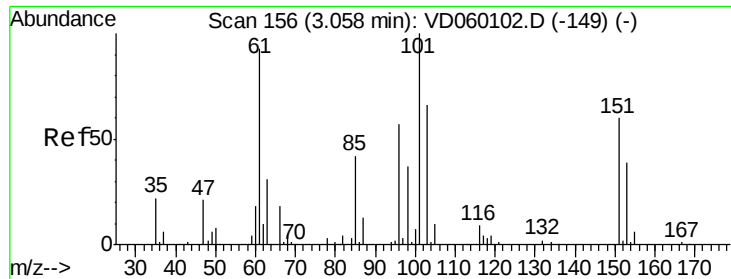
40000

20000

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Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.211 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

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MSVOA_D

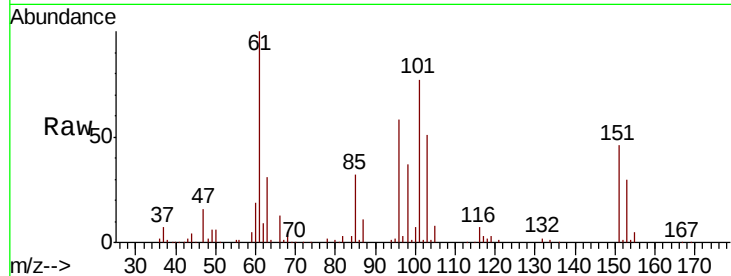
ClientSampleId :

VSTDCCC050

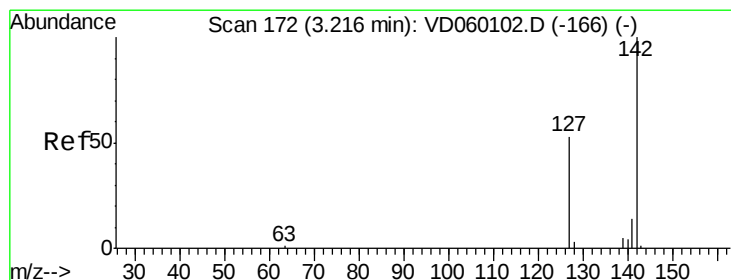
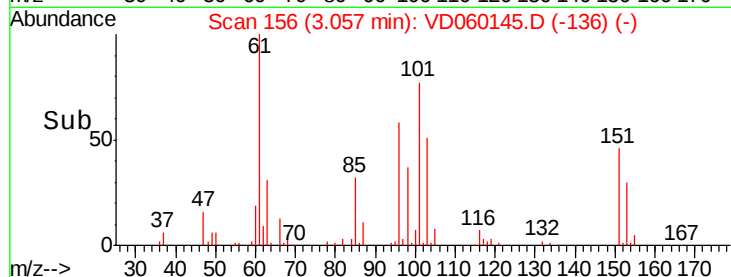
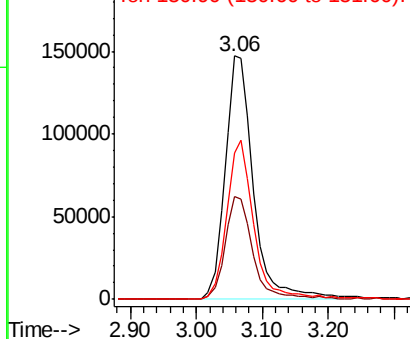
Tot Ion:	101	Resp:	440584
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.0
151	59.9	48.0	72.0

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



#10

Methyl Iodide

Concen: 51.070 ug/l

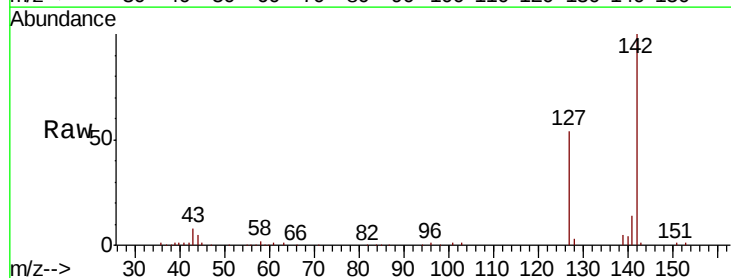
RT: 3.21 min Scan# 172

Delta R.T. -0.00 min

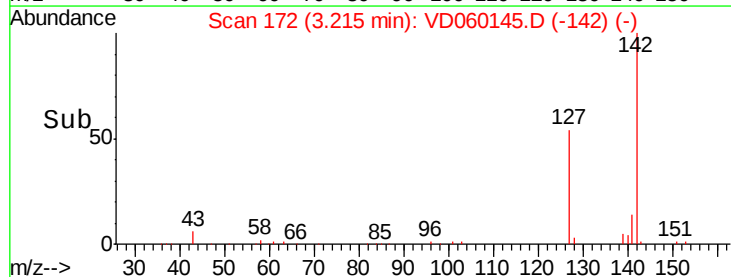
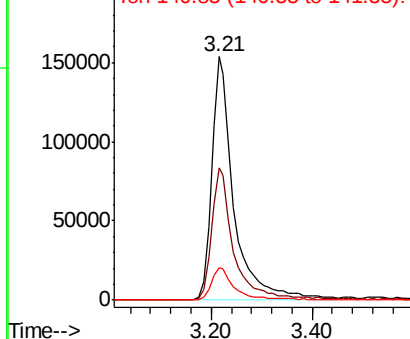
Lab File: VD060145.D

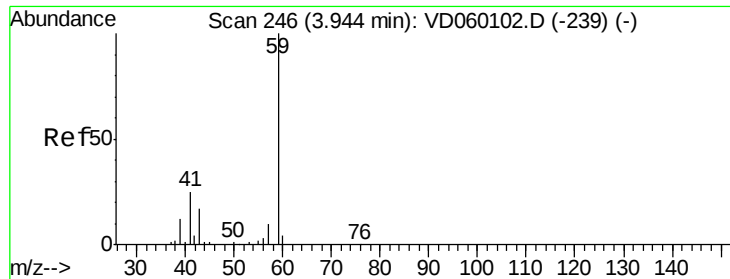
Acq: 9 Oct 2018 10:49

Tgt Ion:	142	Resp:	475227
Ion Ratio	Lower	Upper	
142	100		
127	54.3	42.0	63.0
141	13.5	11.4	17.0



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





#11

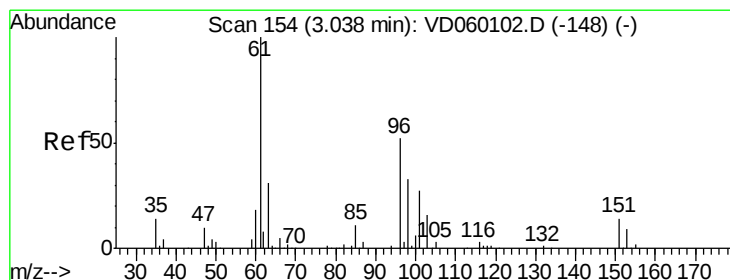
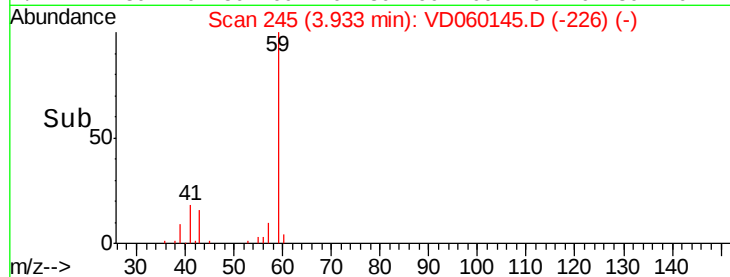
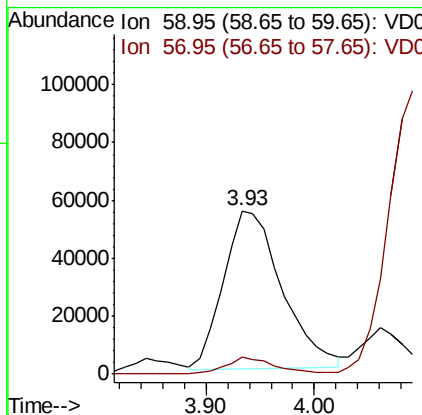
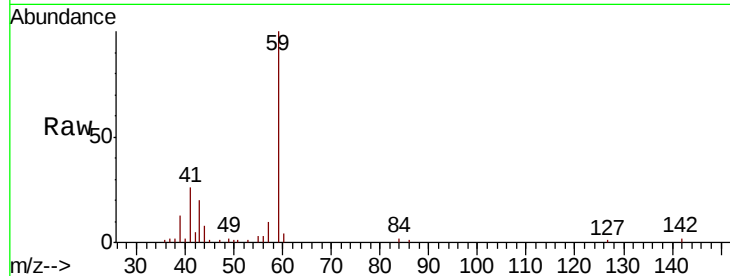
Tert butyl alcohol
 Concen: 222.397 ug/l
 RT: 3.93 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.6

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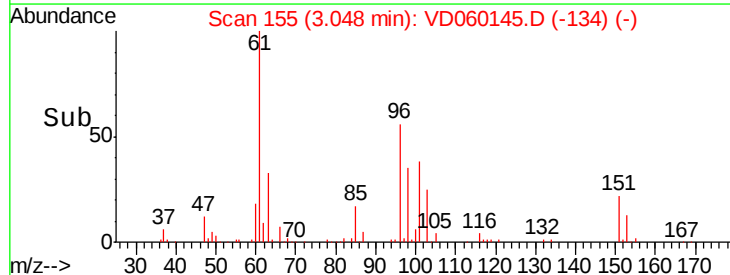
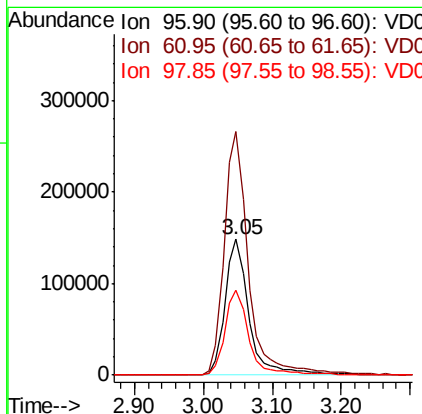
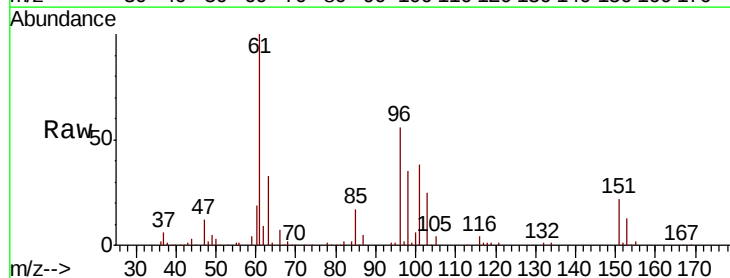
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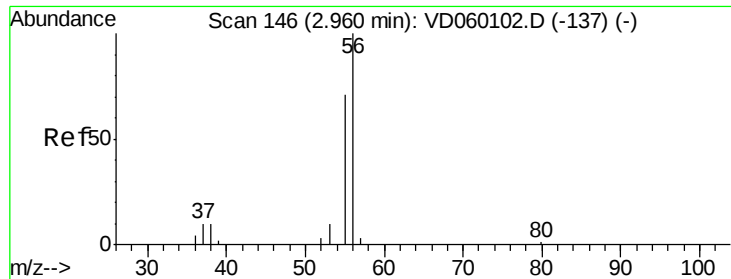


#12

1,1-Dichloroethene
 Concen: 51.711 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.0	153.0	229.4
98	62.4	51.1	76.7





#13

Acrolein

Concen: 230.543 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 130925

Ion Ratio Lower Upper

56 100

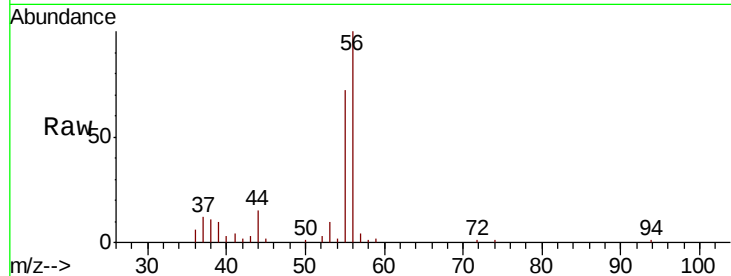
55 71.9 57.4 86.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

50000

40000

30000

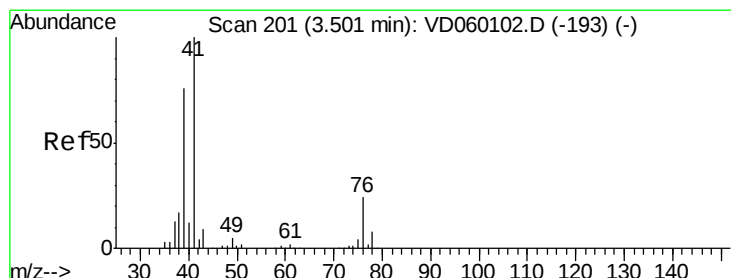
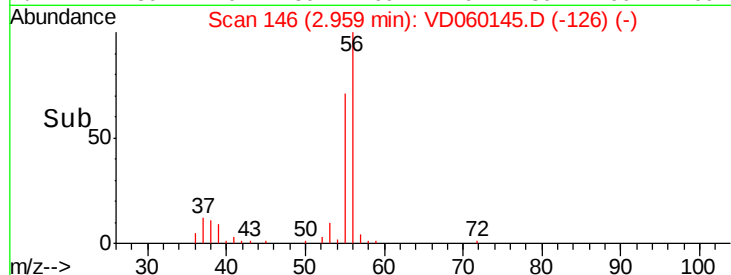
20000

10000

0

Time-->

2.80 2.90 3.00 3.10



#14

Allyl chloride

Concen: 50.992 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

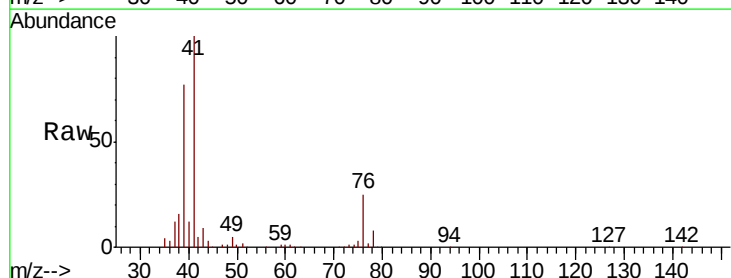
Tgt Ion: 41 Resp: 732091

Ion Ratio Lower Upper

41 100

39 76.6 60.6 90.8

76 25.2 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.50

300000

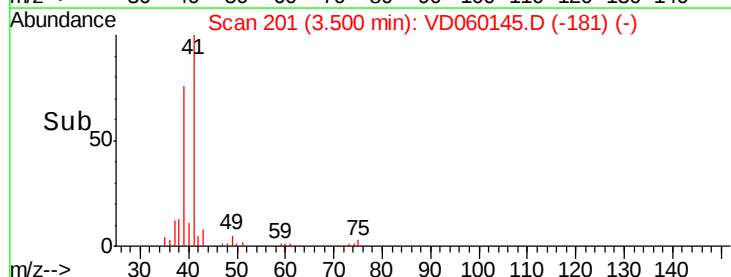
200000

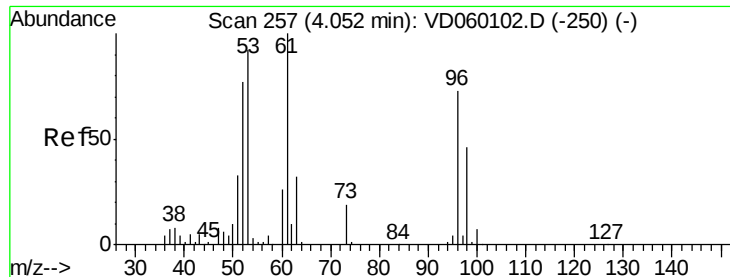
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 231.658 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

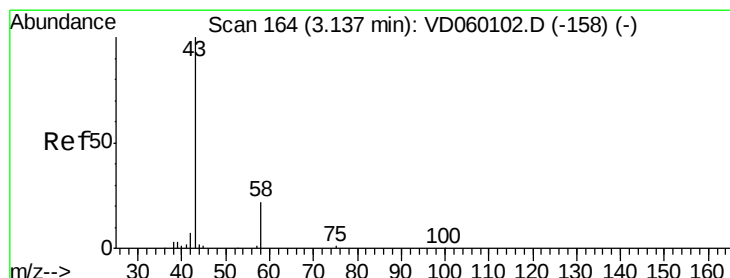
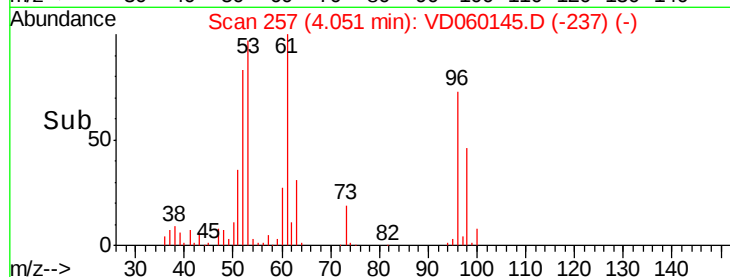
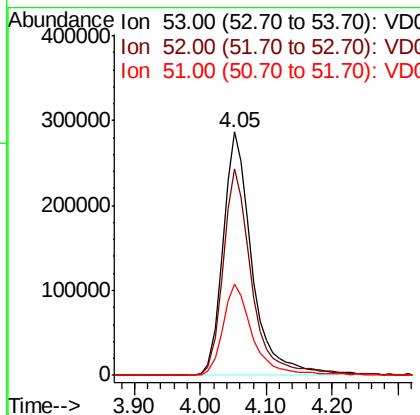
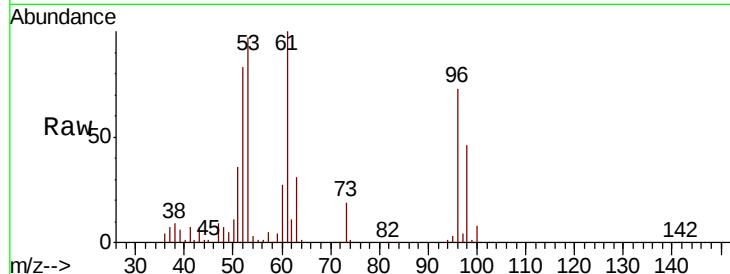
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	883344
Ion	Ratio	Lower	Upper
53	100		
52	85.0	67.5	101.3
51	37.5	29.3	43.9

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#16

Acetone

Concen: 272.769 ug/l

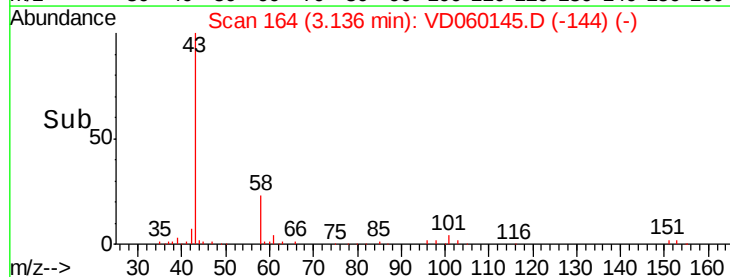
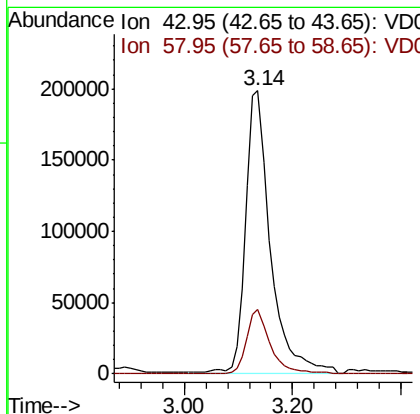
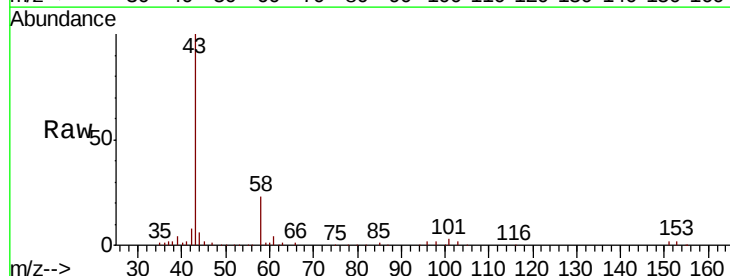
RT: 3.14 min Scan# 164

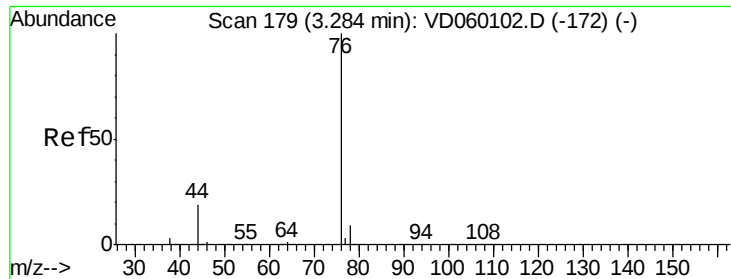
Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion:	43	Resp:	635774
Ion	Ratio	Lower	Upper
43	100		
58	22.9	17.7	26.5





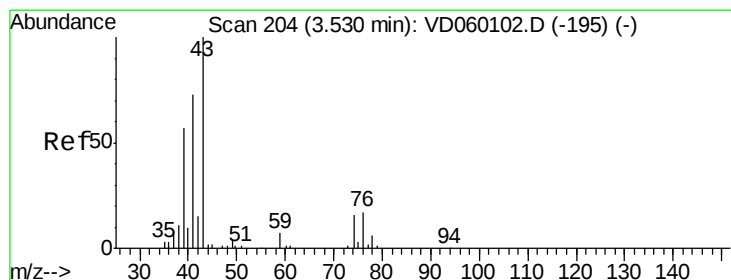
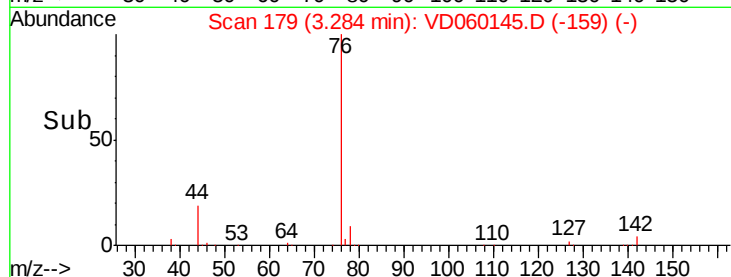
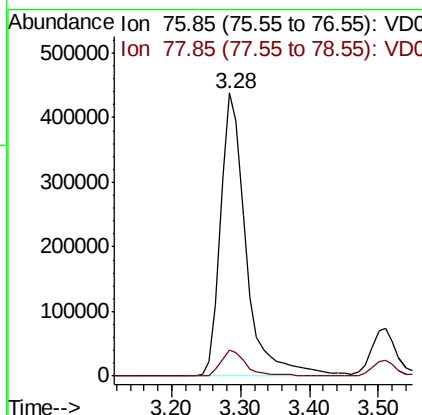
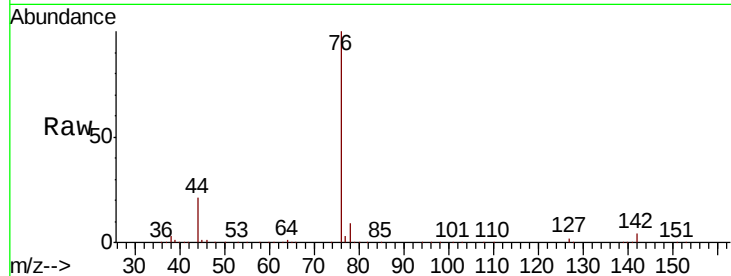
#17
Carbon Disulfide
Concen: 48.158 ug/l
RT: 3.28 min Scan# 179
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1119491
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

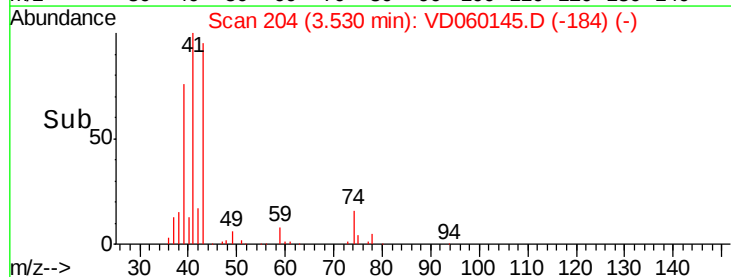
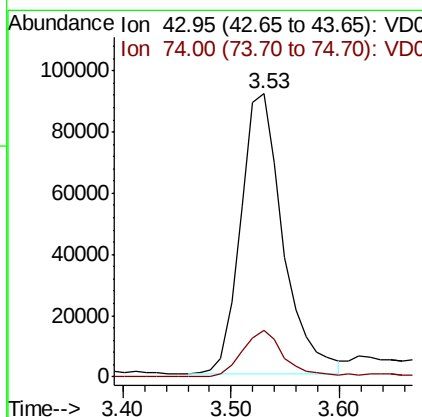
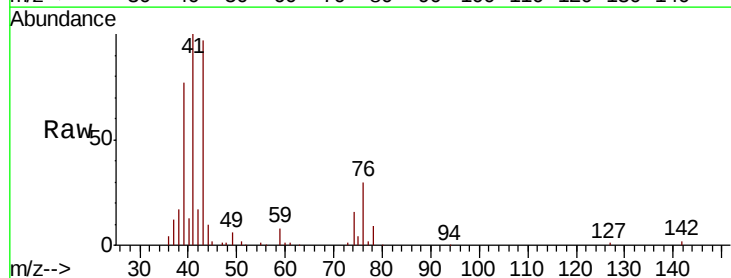
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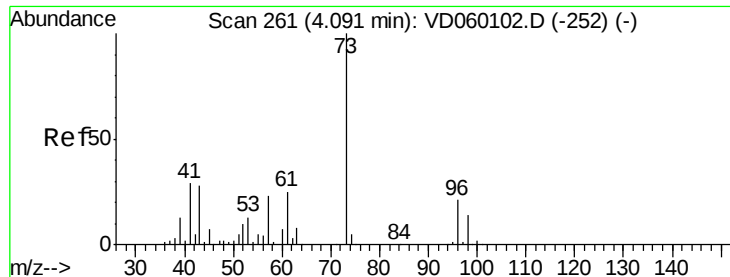
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#18
Methyl Acetate
Concen: 49.848 ug/l
RT: 3.53 min Scan# 204
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 43 Resp: 249724
Ion Ratio Lower Upper
43 100
74 16.3 12.6 19.0





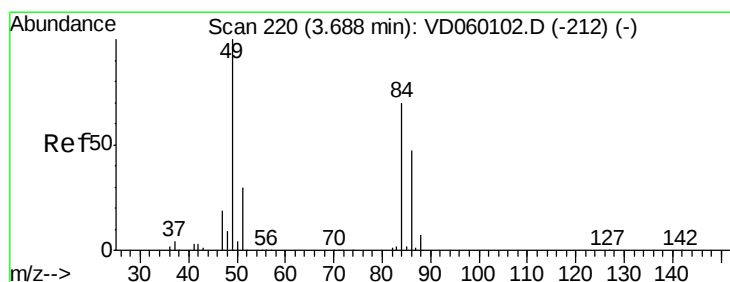
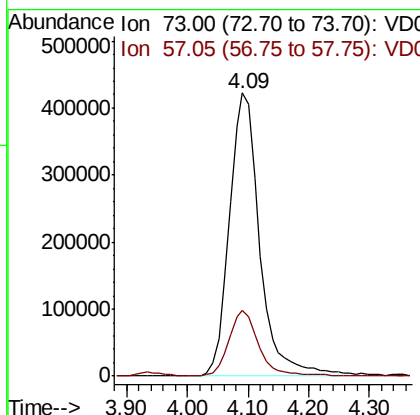
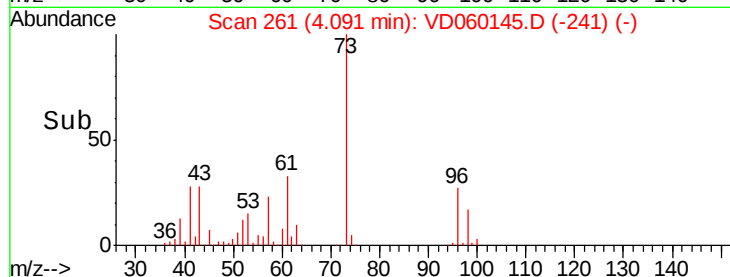
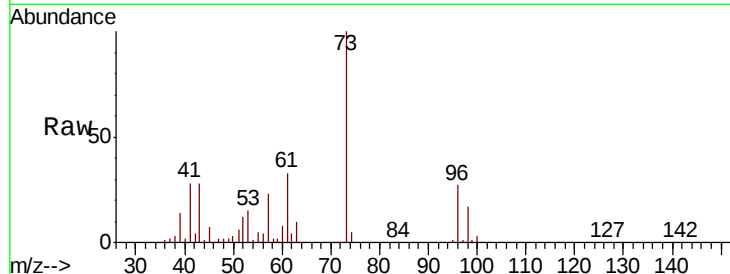
#19
Methvl tert-butvl Ether
Concen: 48.222 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1465628
Ion Ratio Lower Upper
73 100
57 23.2 18.7 28.1

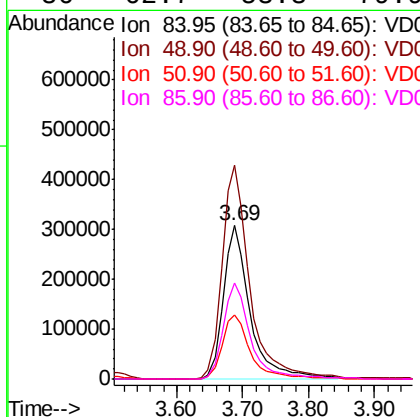
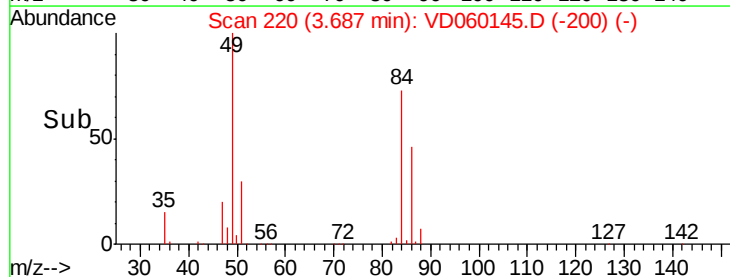
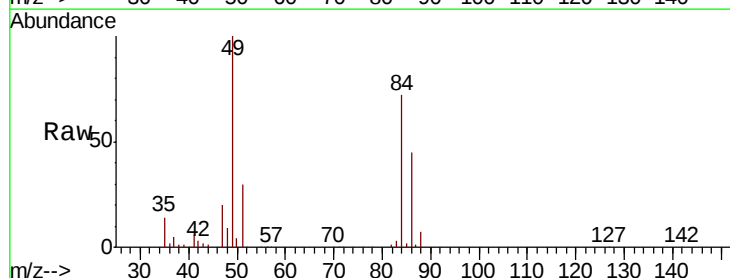
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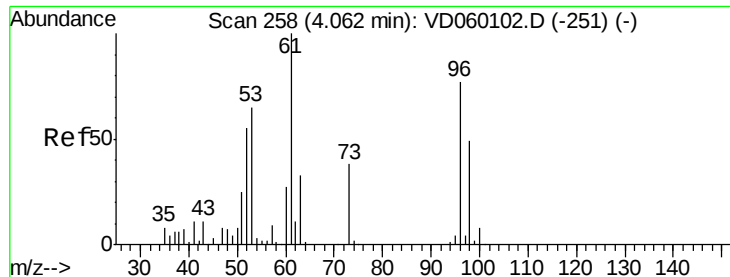
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#20
Methylene Chloride
Concen: 47.088 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 84 Resp: 868497
Ion Ratio Lower Upper
84 100
49 139.5 114.6 172.0
51 42.2 33.8 50.8
86 62.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 48.313 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 862554

Ion Ratio Lower Upper

96 100

61 132.7 103.3 154.9

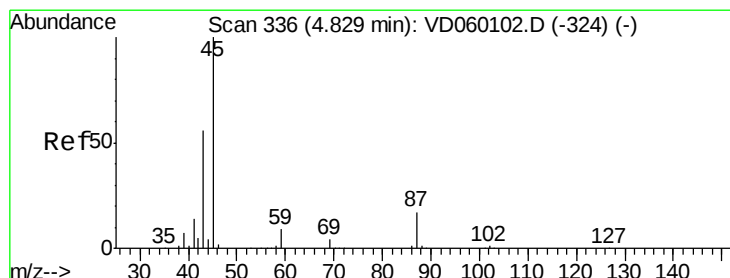
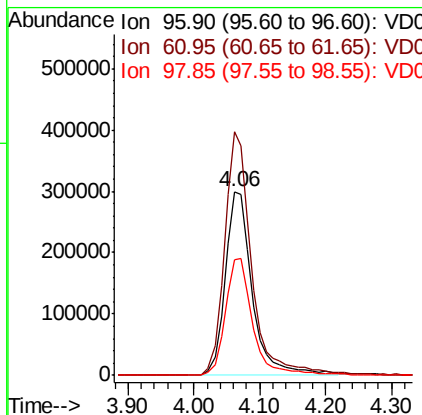
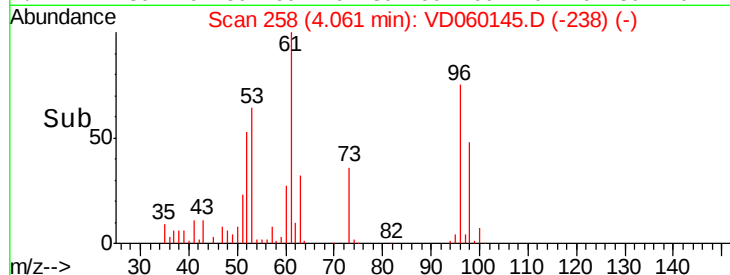
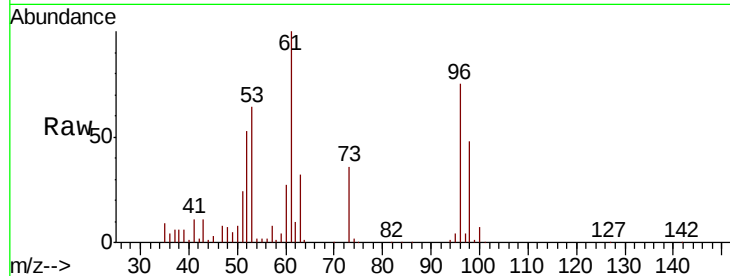
98 63.3 50.4 75.6

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#22

Diisopropyl ether

Concen: 49.470 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion: 45 Resp: 3171871

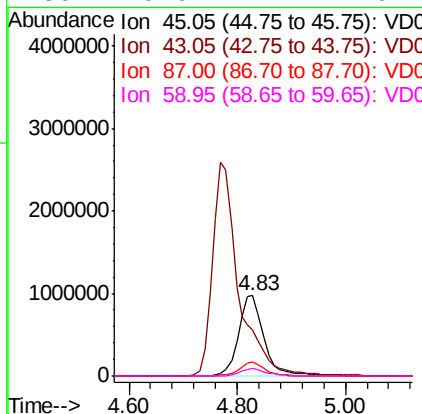
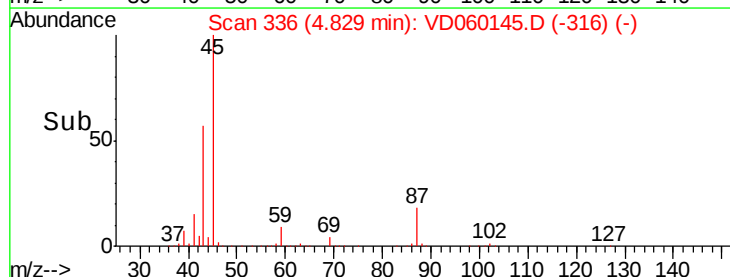
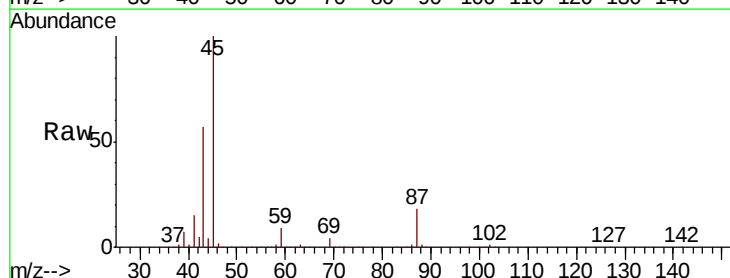
Ion Ratio Lower Upper

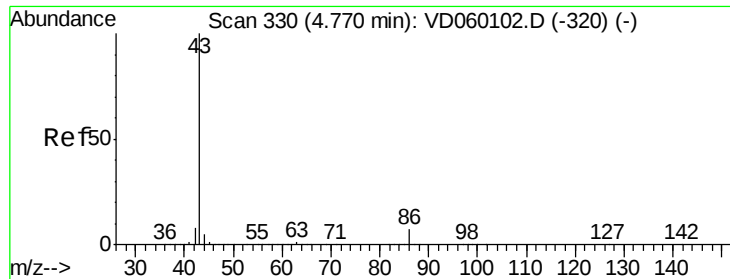
45 100

43 57.3 44.8 67.2

87 17.6 13.9 20.9

59 9.0 7.1 10.7





#23

Vinyl Acetate

Concen: 238.302 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 8588555

Ion Ratio Lower Upper

43 100

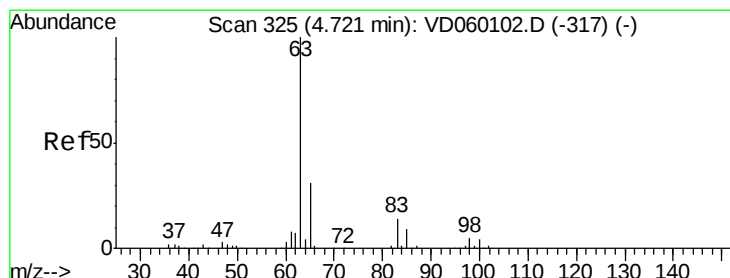
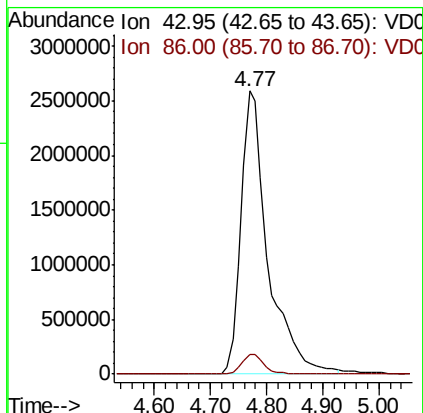
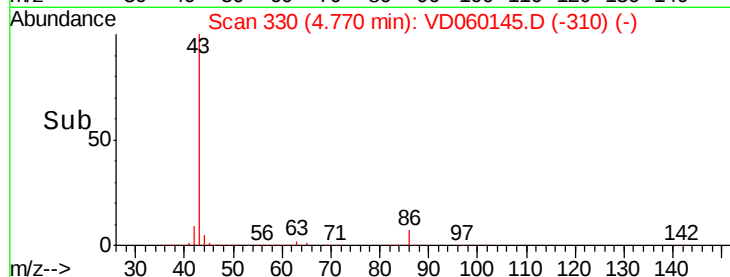
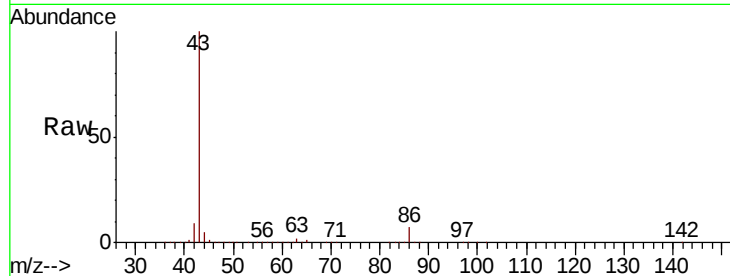
86 6.8 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 49.764 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

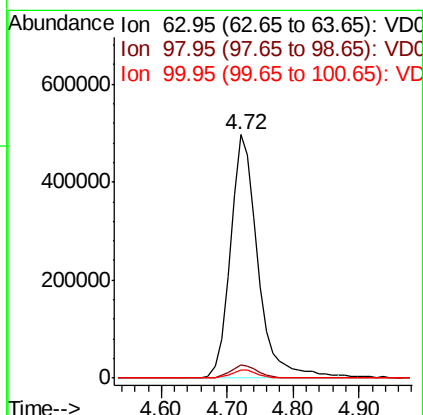
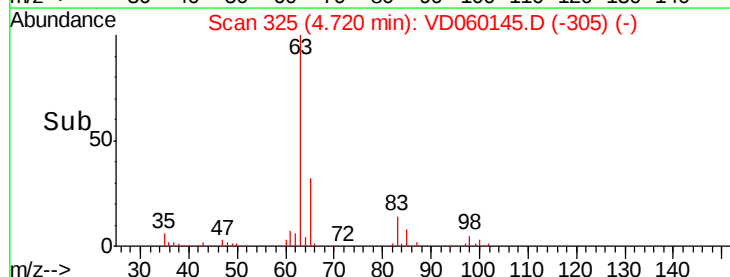
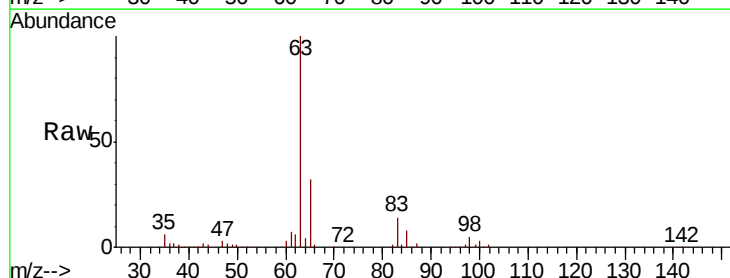
Tgt Ion: 63 Resp: 1446699

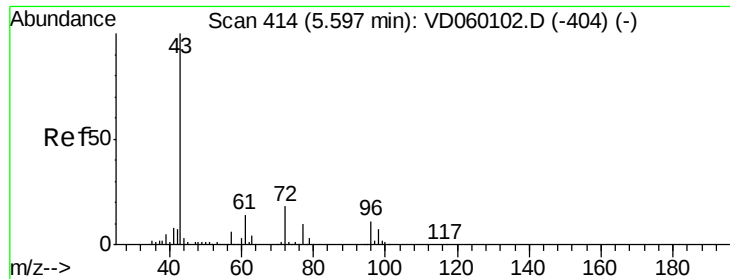
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.2 1.8 5.3





#25

2-Butanone

Concen: 246.827 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1437263

Ion Ratio Lower Upper

43 100

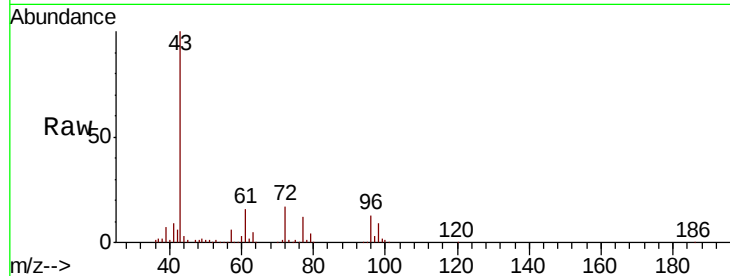
72 17.3 14.5 21.7

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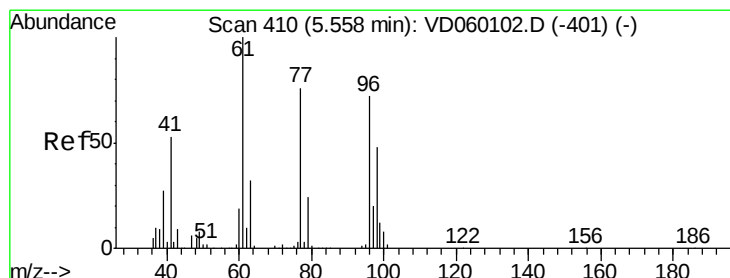
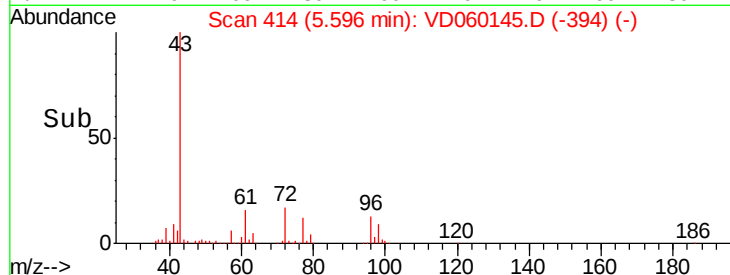
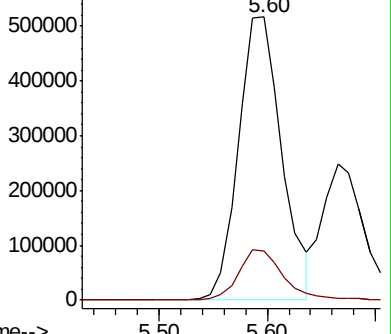
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.590 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD060145.D

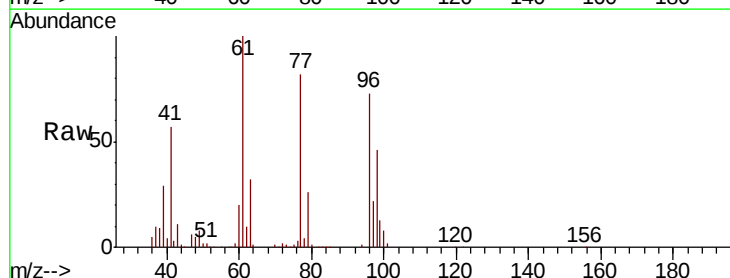
Acq: 9 Oct 2018 10:49

Tgt Ion: 77 Resp: 1159015

Ion Ratio Lower Upper

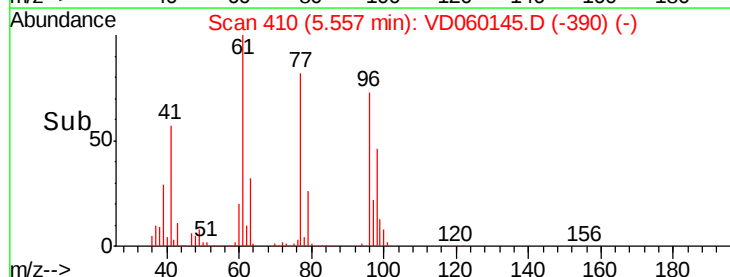
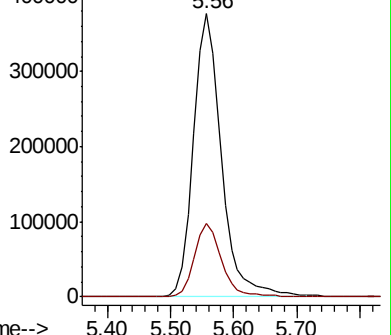
77 100

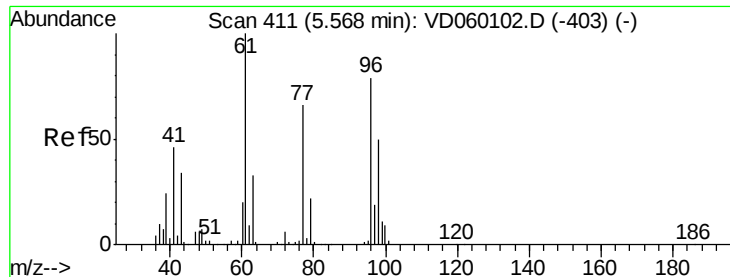
97 26.1 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

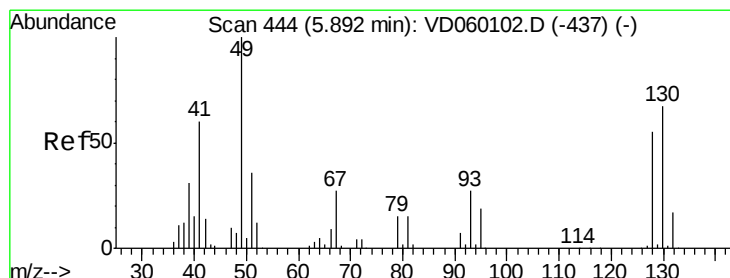
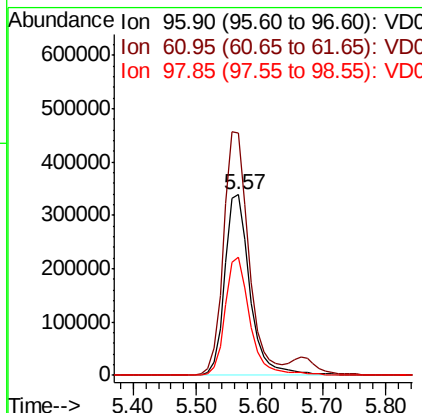
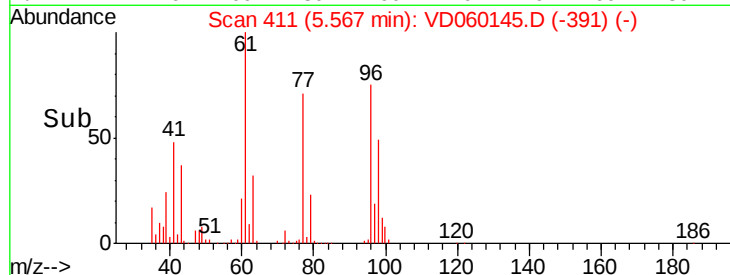
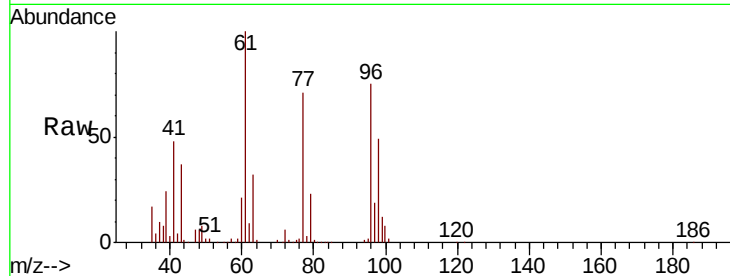
cis-1,2-Dichloroethene
Concen: 49.724 ug/l
RT: 5.57 min Scan# 411
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.2	0.0	251.8	
98	65.4	0.0	125.2	

Manual Integrations
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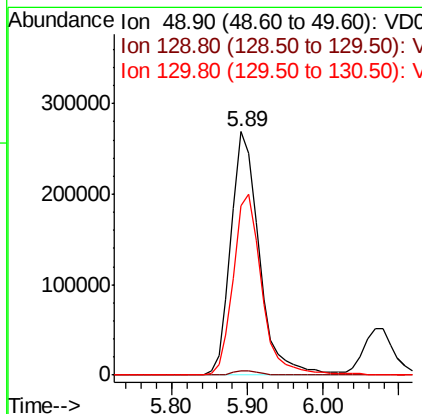
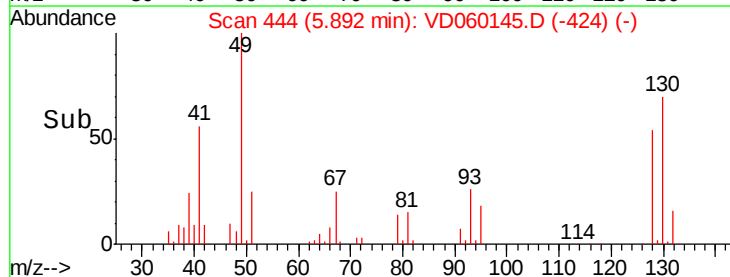
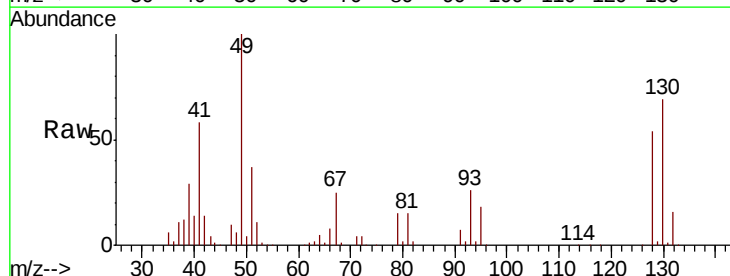
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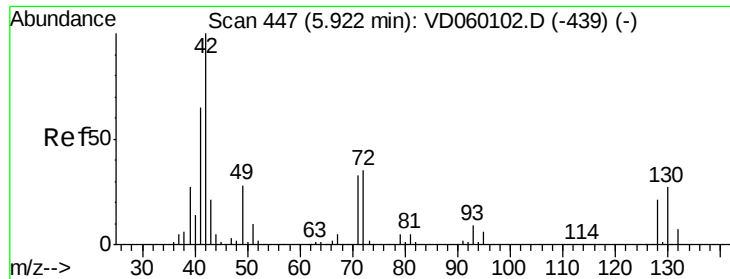


#28

Bromochloromethane
Concen: 49.448 ug/l
RT: 5.89 min Scan# 444
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	69.5	53.9	80.9	





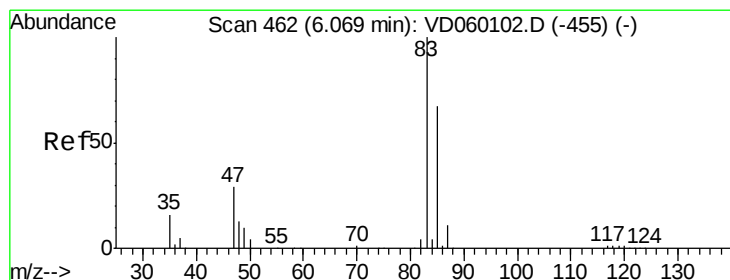
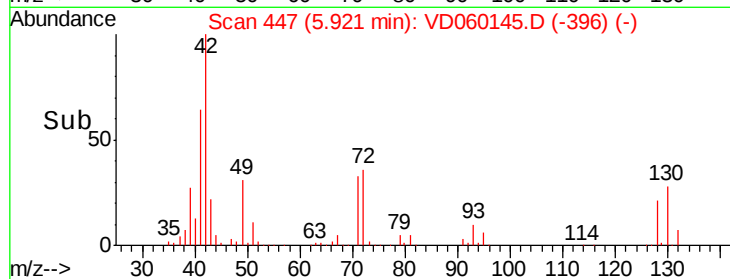
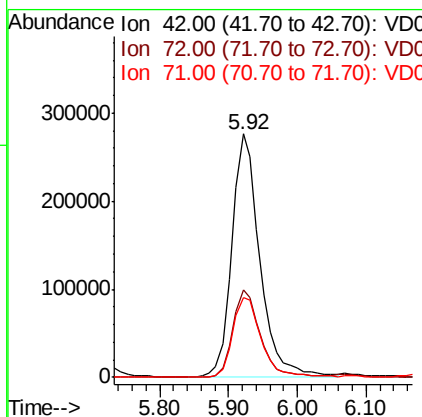
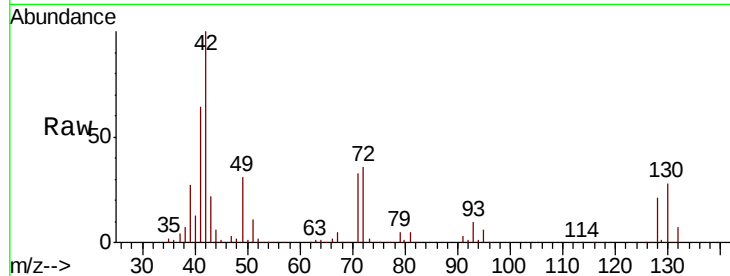
#29
Tetrahydrofuran
Concen: 228.609 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	26.9	40.3
71	33.6	26.7	40.1

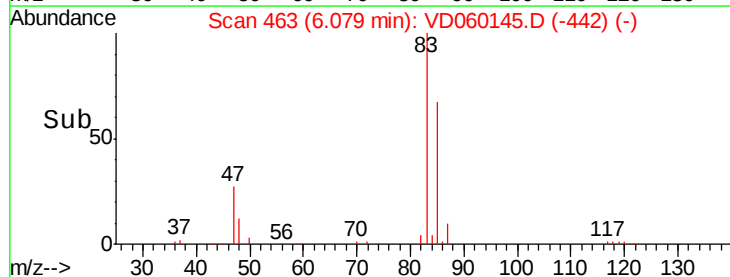
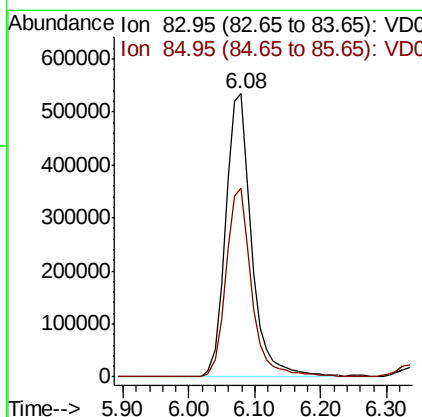
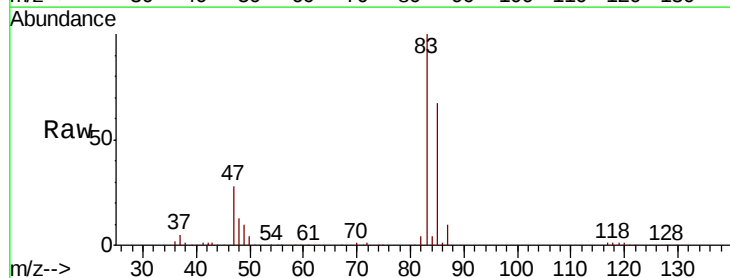
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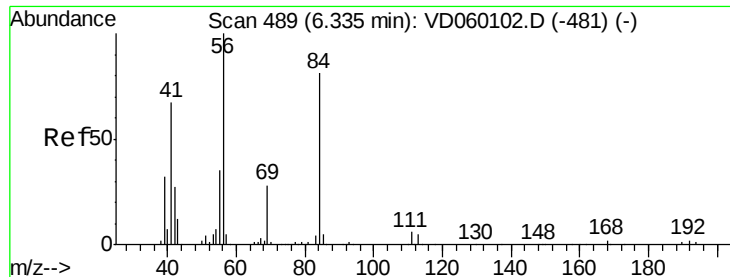
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#30
Chloroform
Concen: 50.073 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.8	80.8





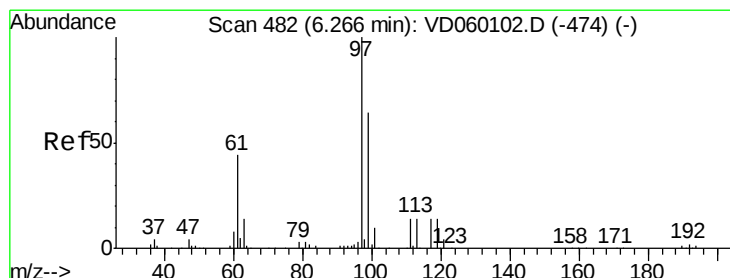
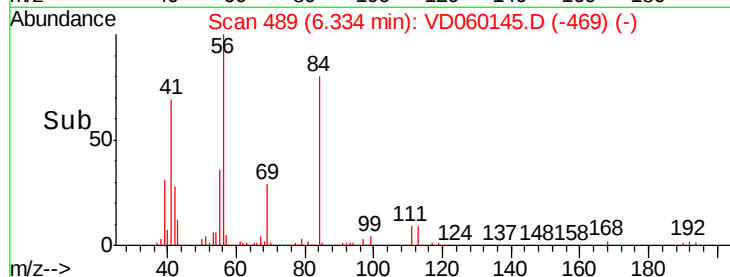
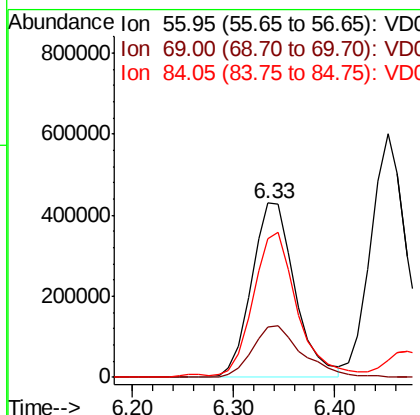
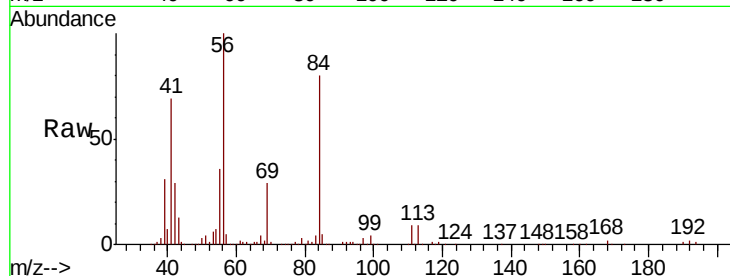
#31
Cyclohexane
Concen: 46.222 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.8	34.2
84	79.8	64.9	97.3

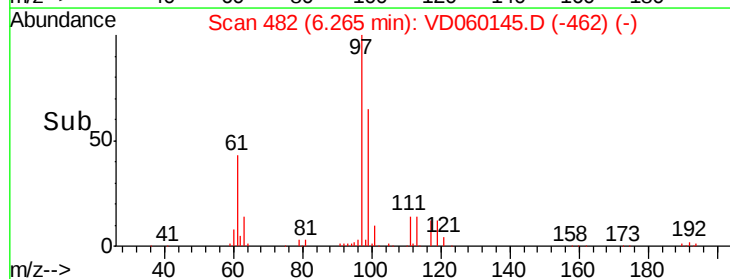
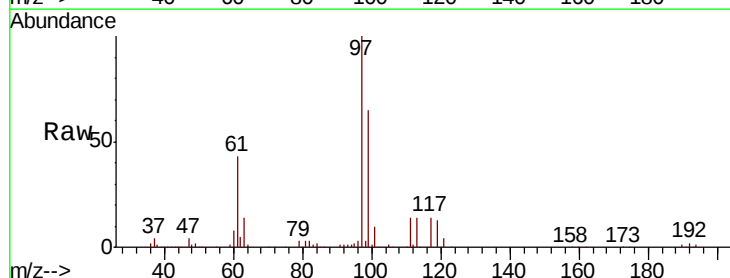
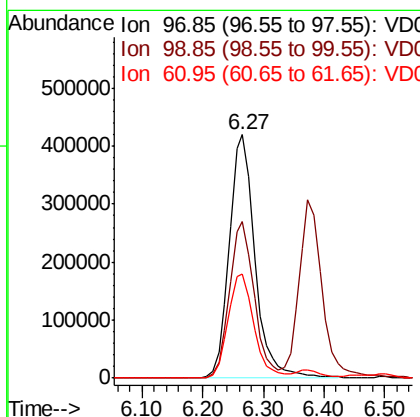
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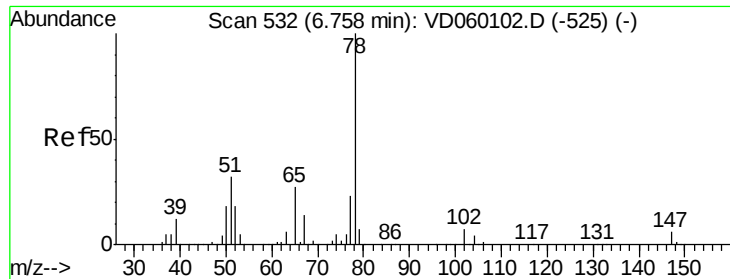
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#32
1,1,1-Trichloroethane
Concen: 51.371 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	42.9	35.5	53.3





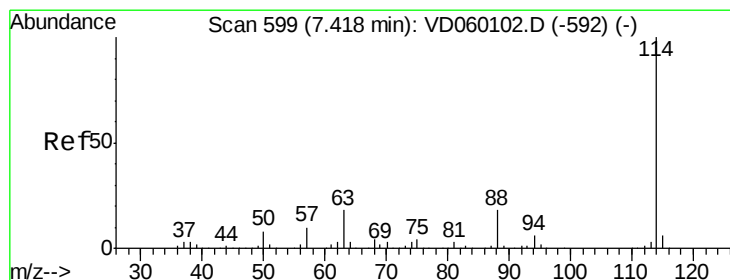
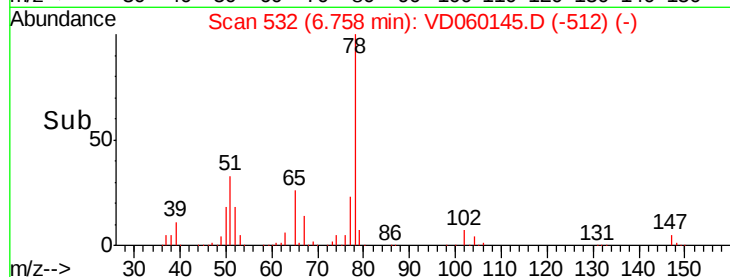
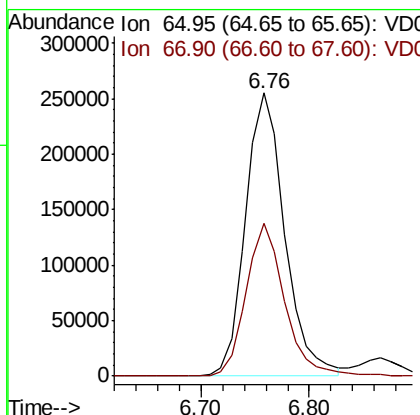
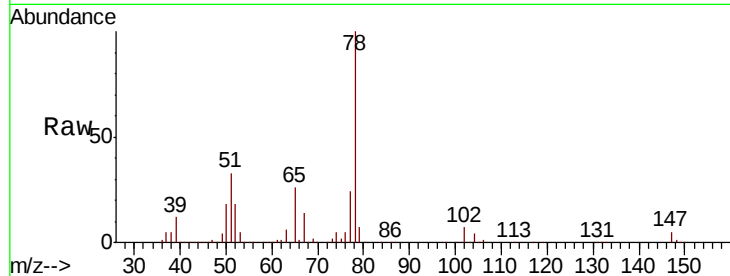
#33
 1,2-Dichloroethane-d4
 Concen: 51.371 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	106.2	

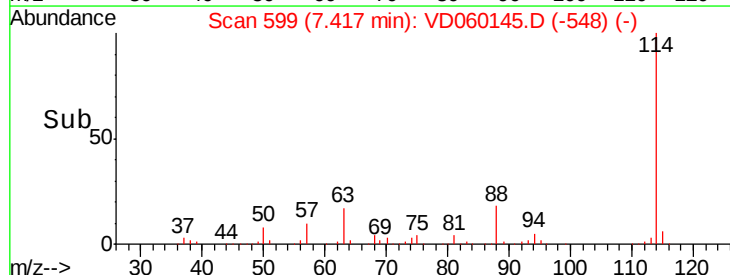
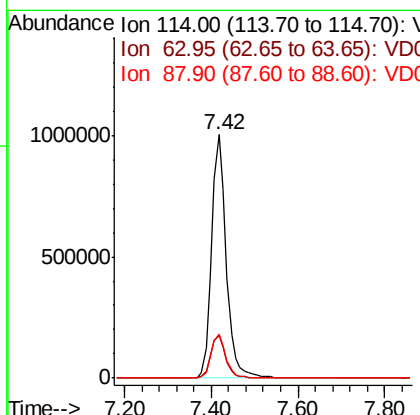
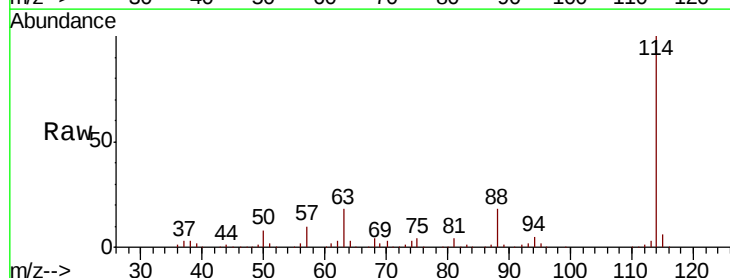
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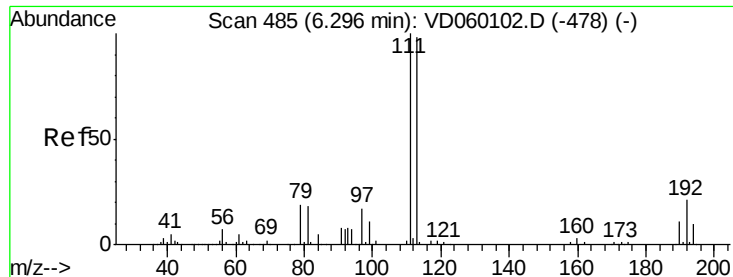
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	36.0	
88	18.1	0.0	36.2	





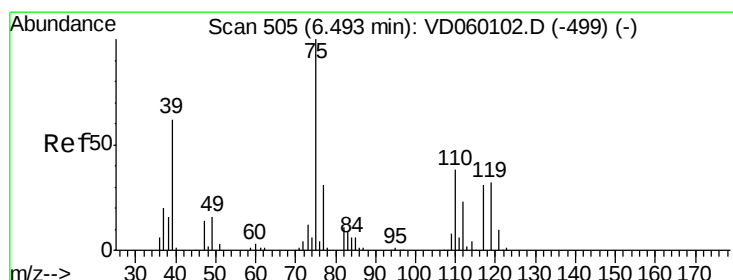
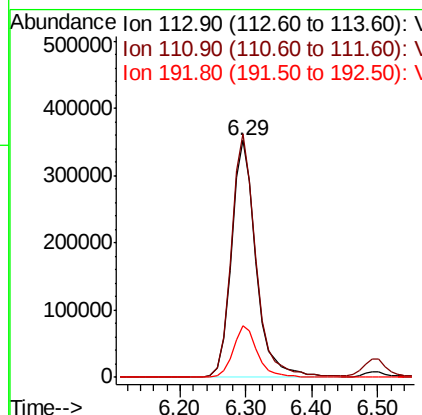
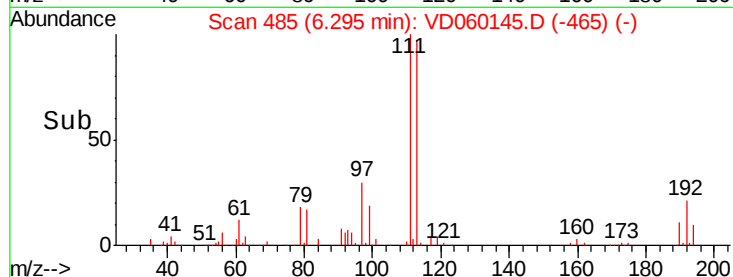
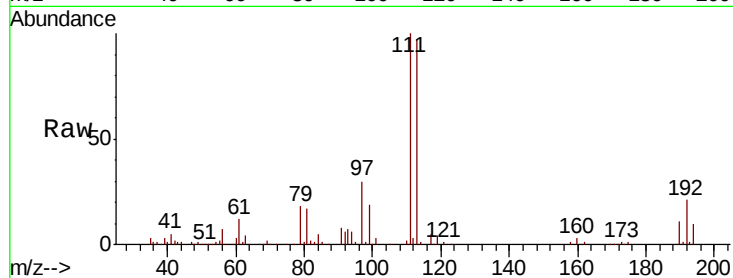
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.5	122.3	
192	21.9	17.4	26.0	

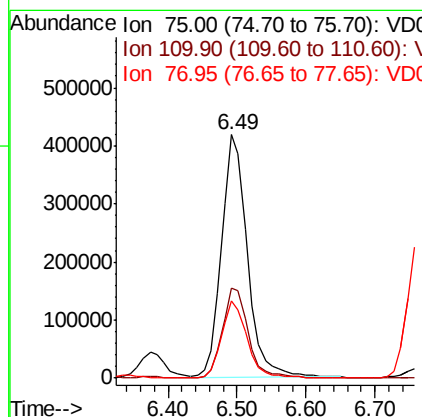
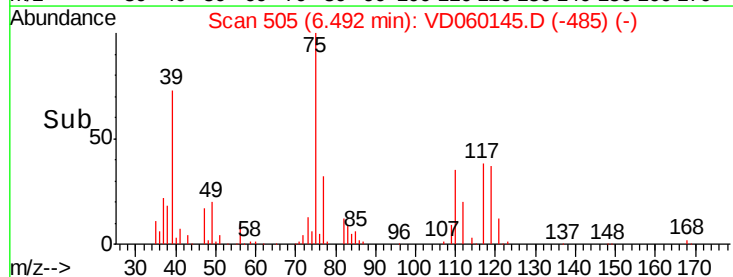
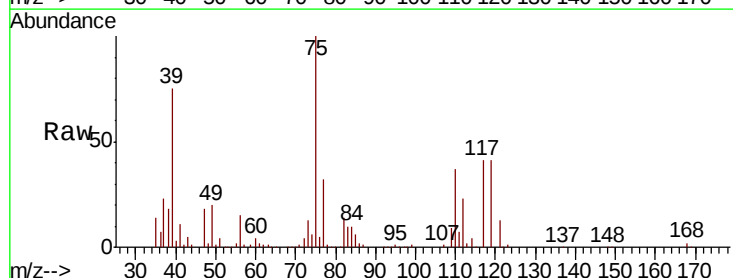
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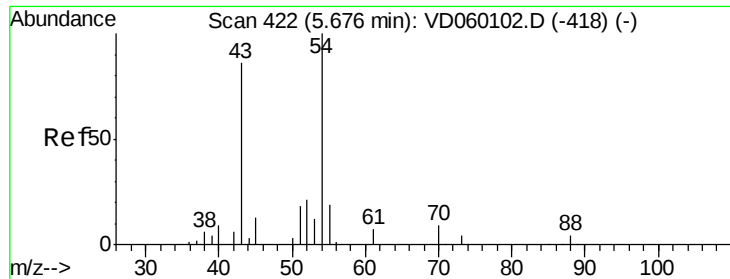
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#36
 1,1-Dichloropropene
 Concen: 47.917 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	19.0	57.0	
77	31.6	24.9	37.3	





#37

Ethyl Acetate

Concen: 46.494 ug/l

RT: 5.67 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

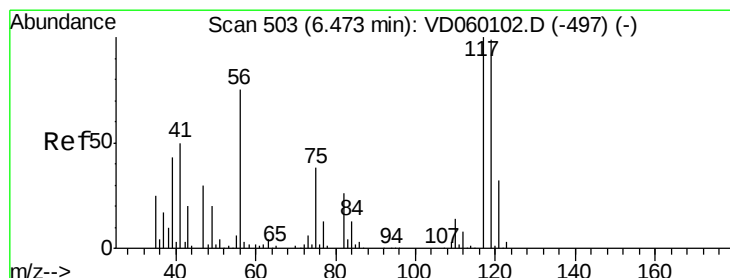
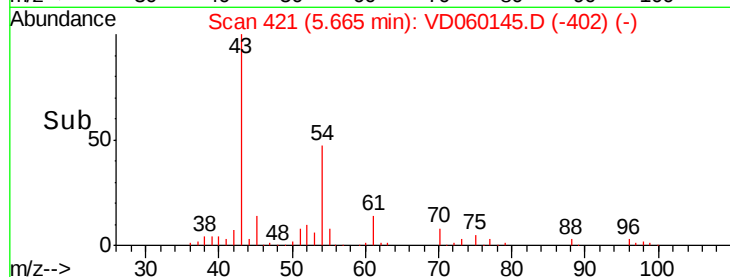
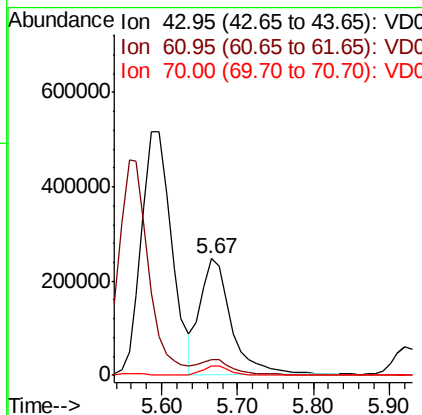
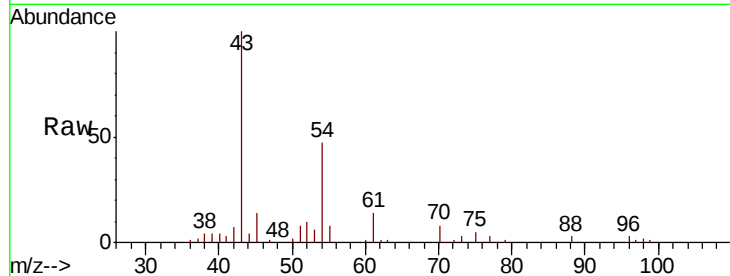
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	697196
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	7.8	6.3	9.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.758 ug/l

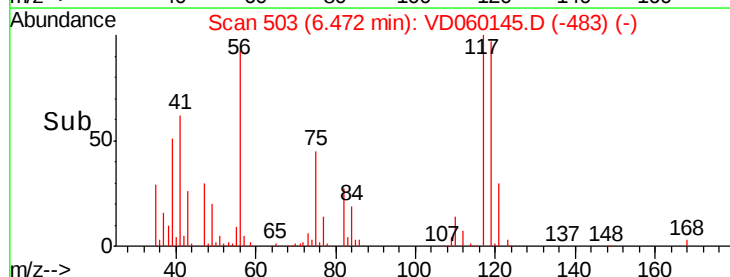
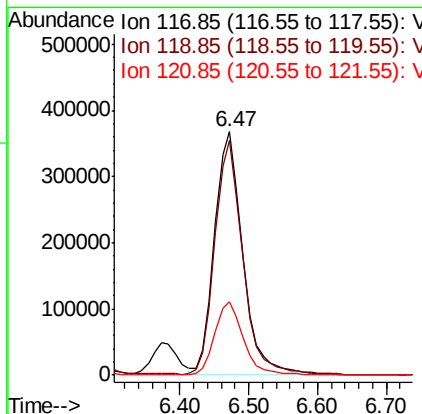
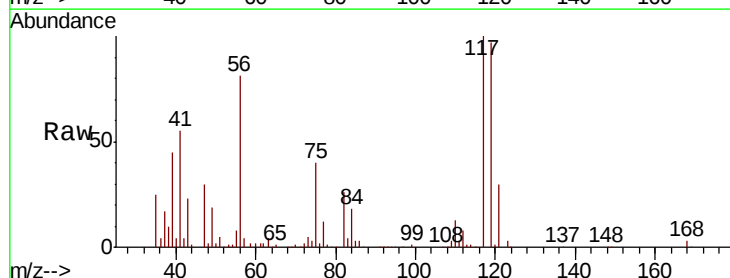
RT: 6.47 min Scan# 503

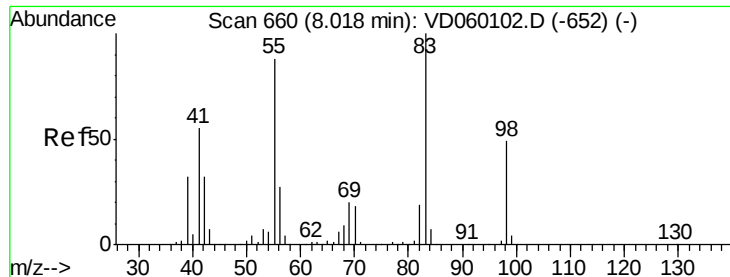
Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion:	117	Resp:	1040778
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.6
121	30.0	24.8	37.2





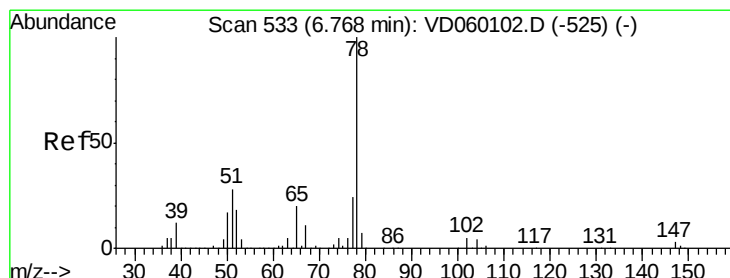
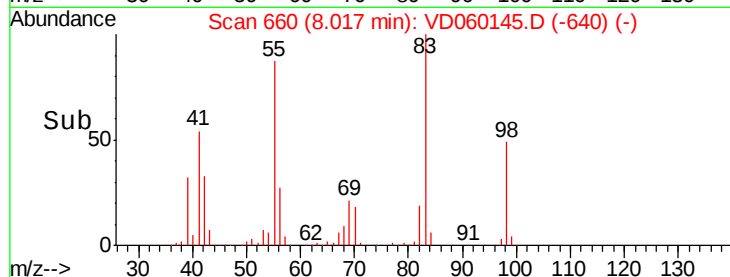
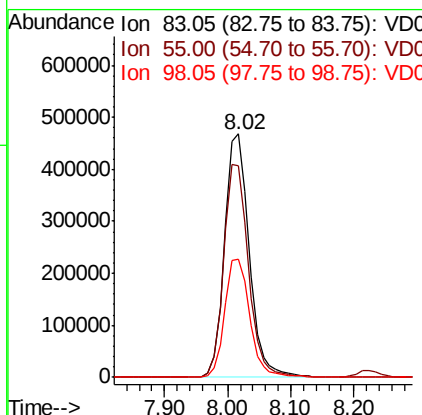
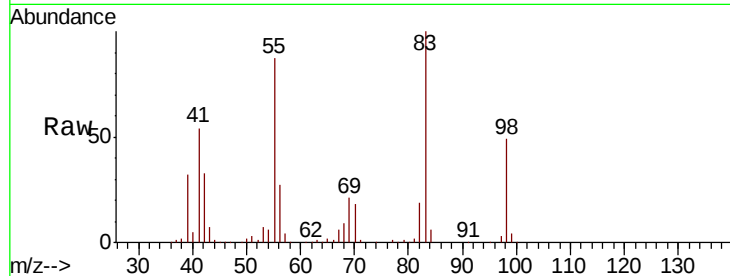
#39
Methvlcvclohexane
Concen: 49.454 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1269424
Ion Ratio Lower Upper
83 100
55 86.8 70.5 105.7
98 48.6 39.4 59.2

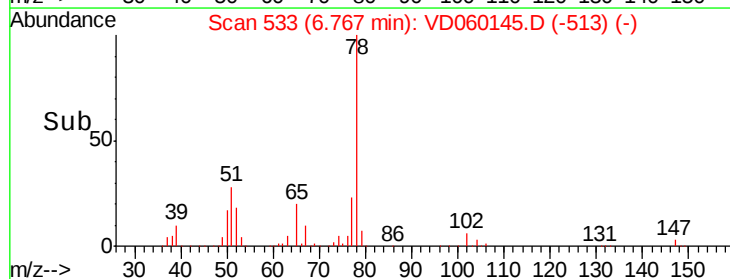
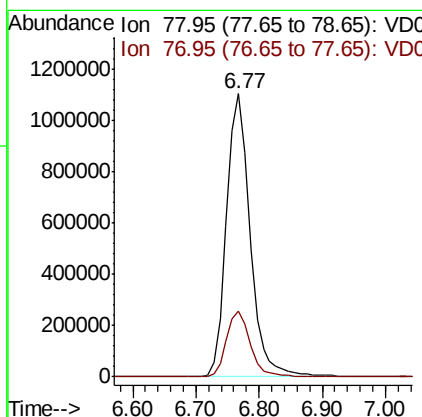
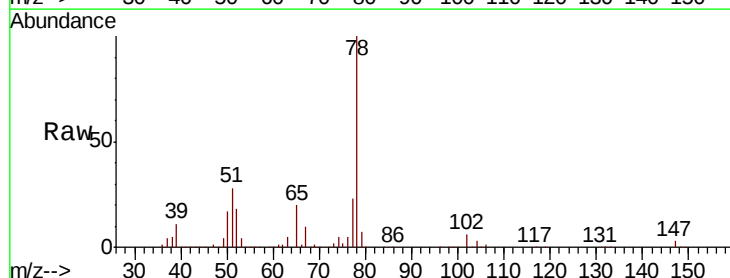
Manual Integrations
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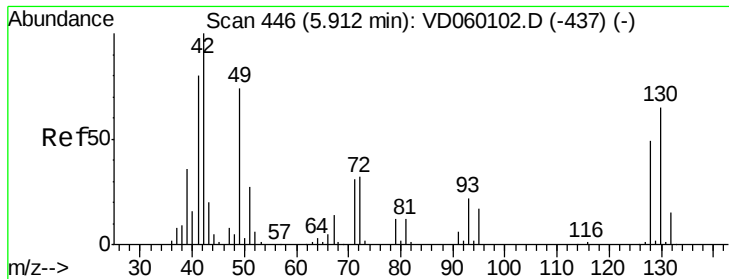
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#40
Benzene
Concen: 48.746 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 78 Resp: 2881076
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 41.510 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tot Ion: 41 Resp: 351828

Ion	Ratio	Lower	Upper
41	100		
39	49.2	36.0	54.0
67	33.4	13.9	20.9
52	15.0	6.1	9.1

Instrument :

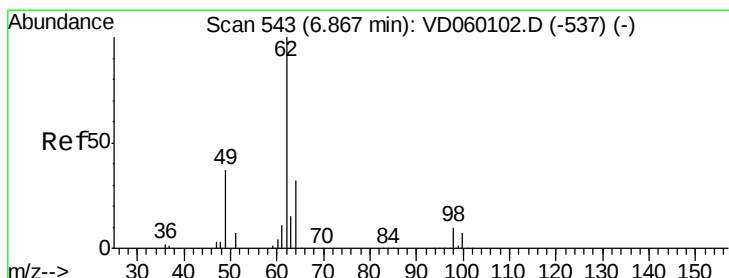
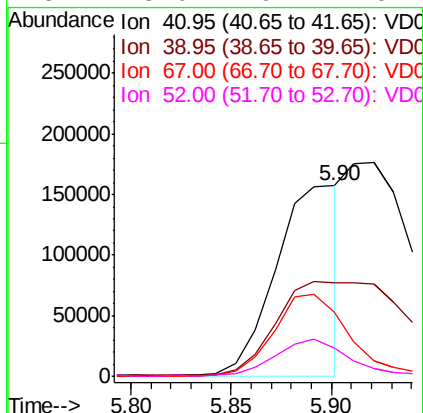
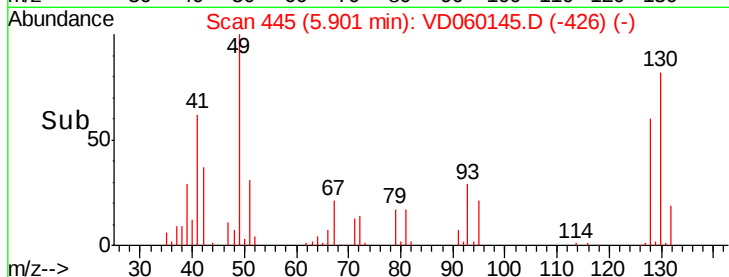
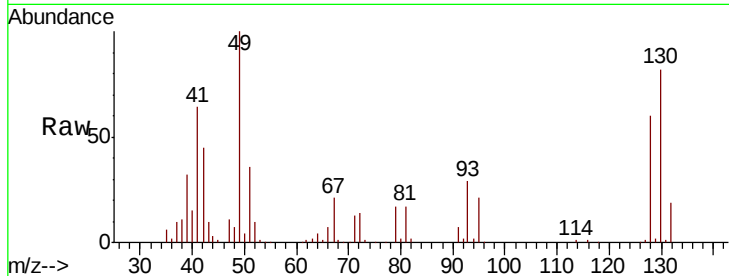
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.148 ug/l

RT: 6.87 min Scan# 543

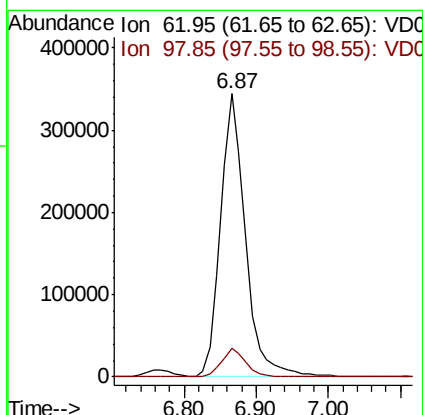
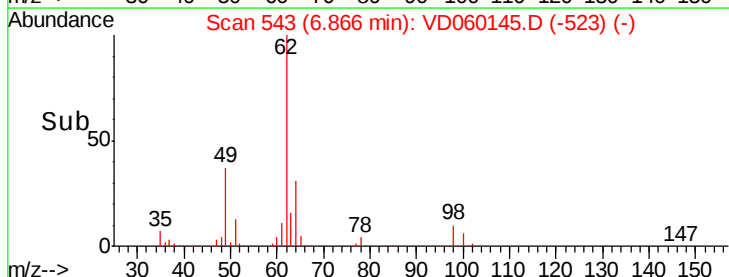
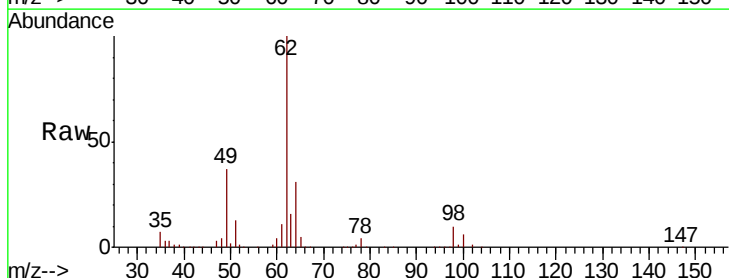
Delta R.T. -0.00 min

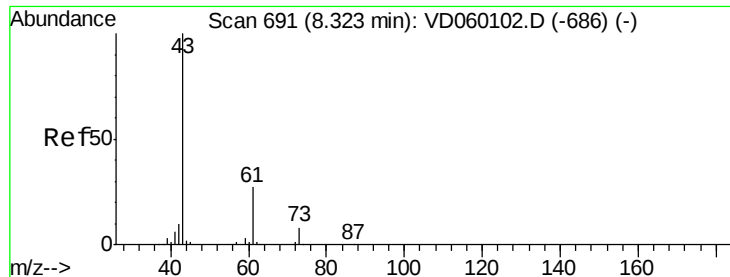
Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion: 62 Resp: 815852

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

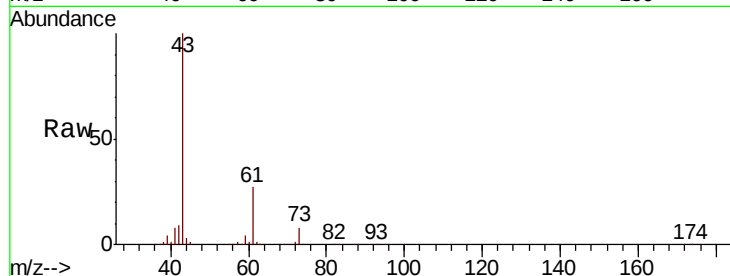
Isopropyl Acetate
 Concen: 46.984 ug/l
 RT: 8.32 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

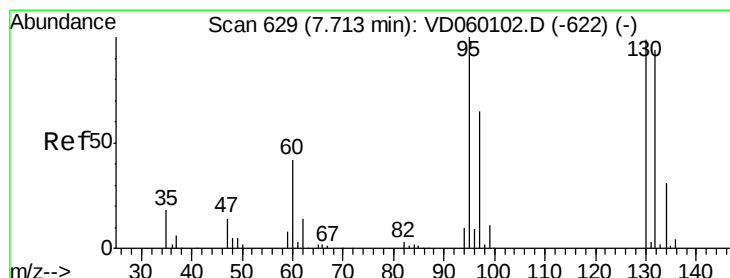
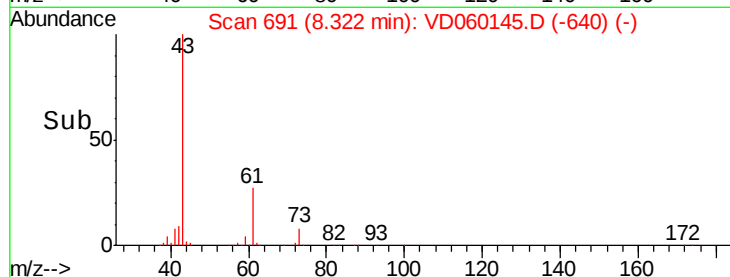
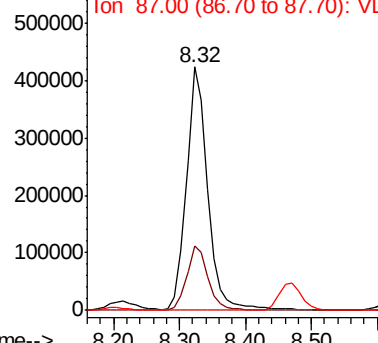
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.4	32.2
87	0.3	0.2	0.2#

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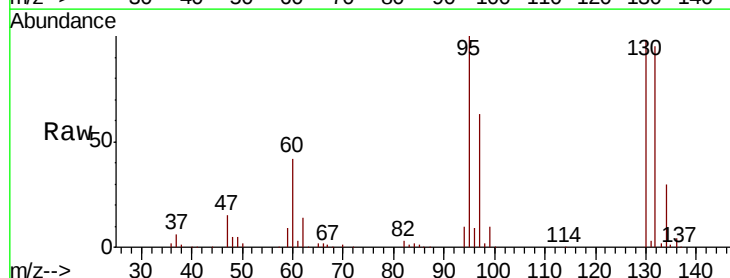
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



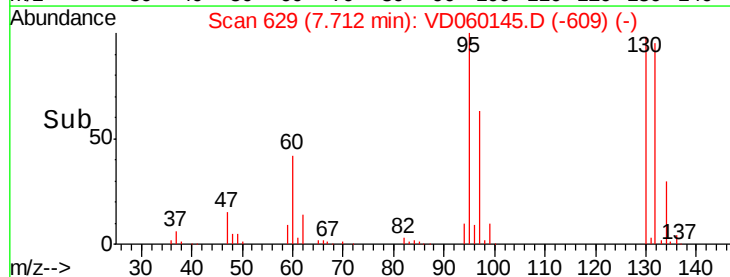
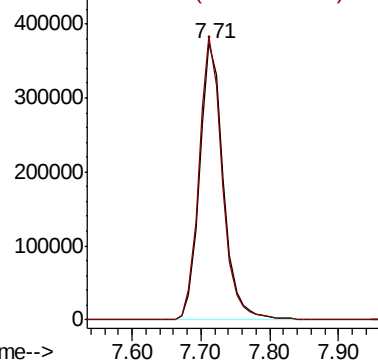
#44

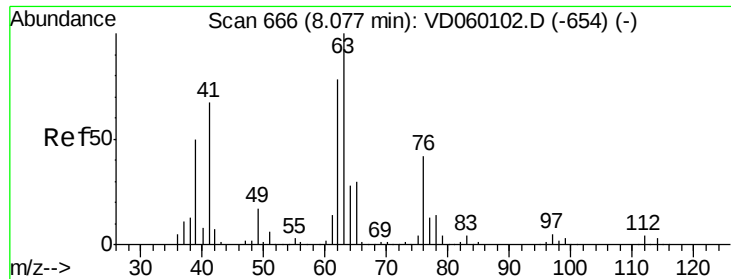
Trichloroethene
 Concen: 48.750 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.116 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 760113

Ion Ratio Lower Upper

63 100

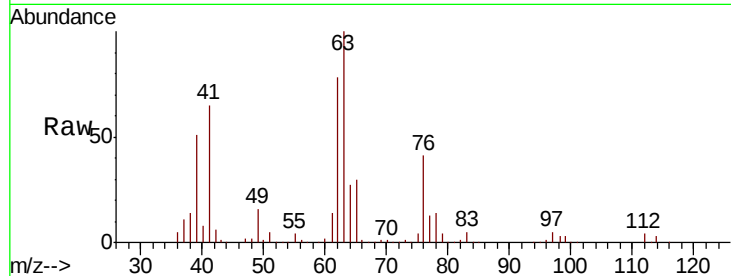
65 30.1 24.1 36.1

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

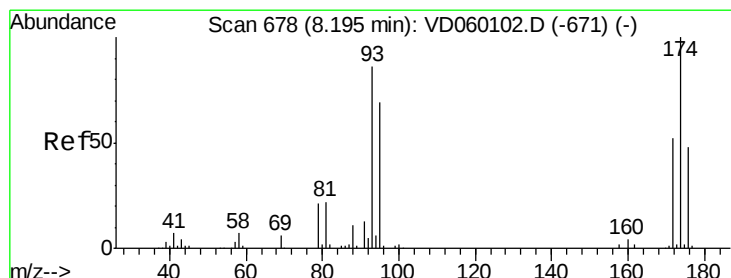
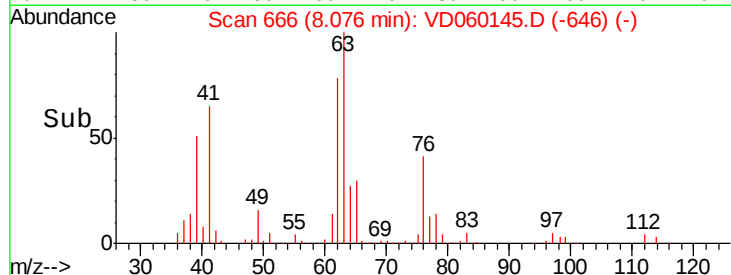
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 48.546 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

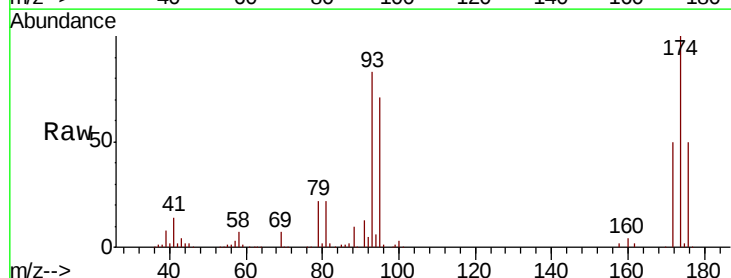
Tgt Ion: 93 Resp: 486401

Ion Ratio Lower Upper

93 100

95 84.7 63.8 95.6

174 120.0 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.19

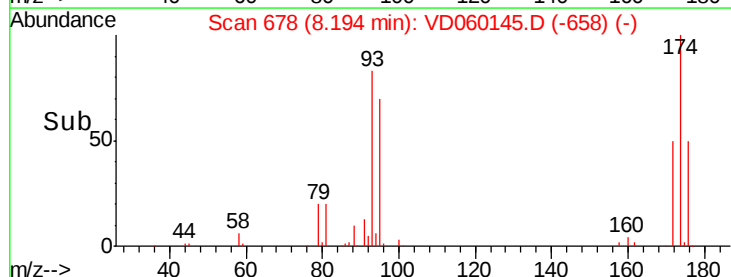
300000

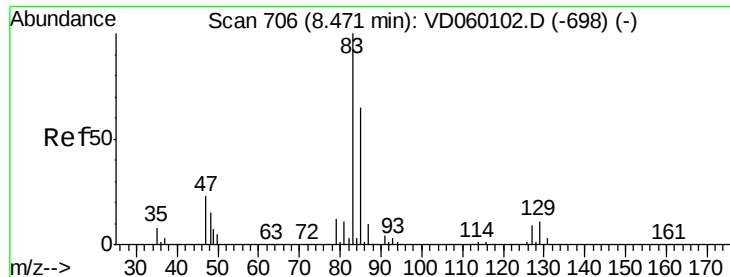
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 50.685 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1082033

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.2

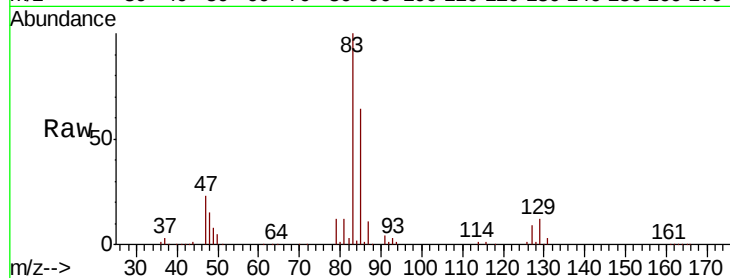
127 8.5 7.4 11.0

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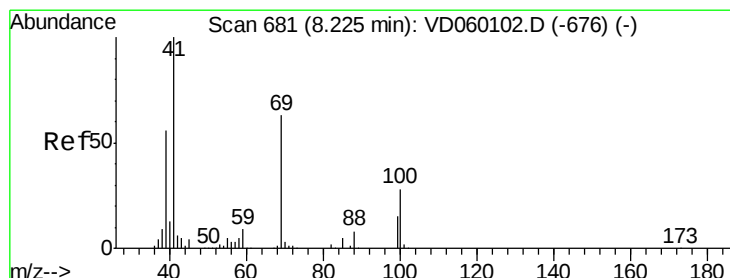
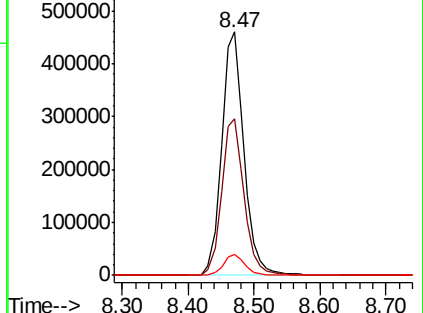
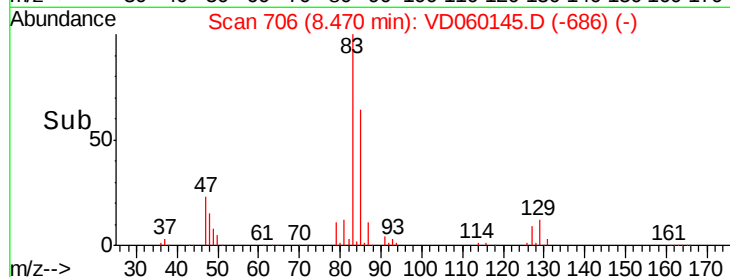
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.220 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

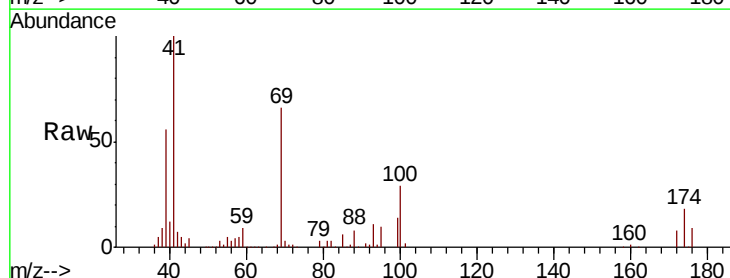
Tgt Ion: 41 Resp: 541877

Ion Ratio Lower Upper

41 100

69 65.8 49.7 74.5

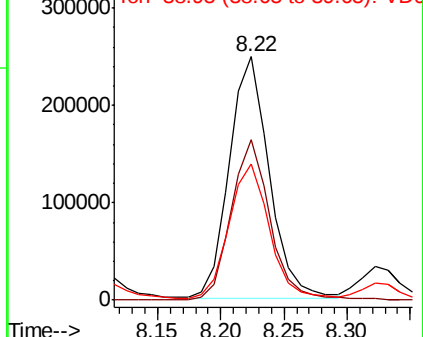
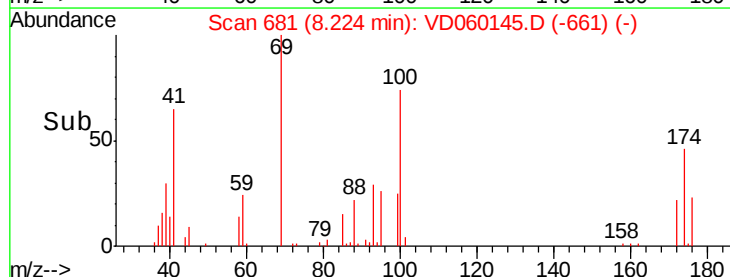
39 55.8 45.2 67.8

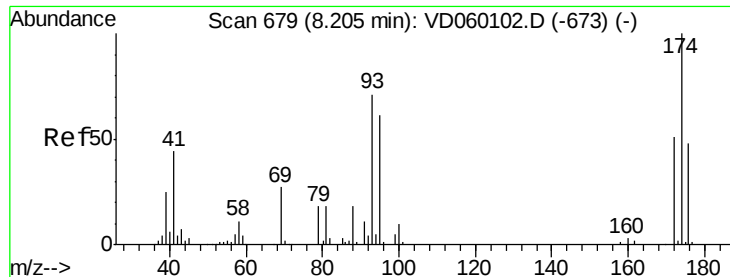


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





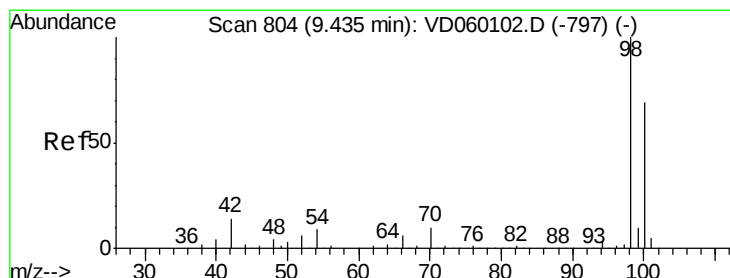
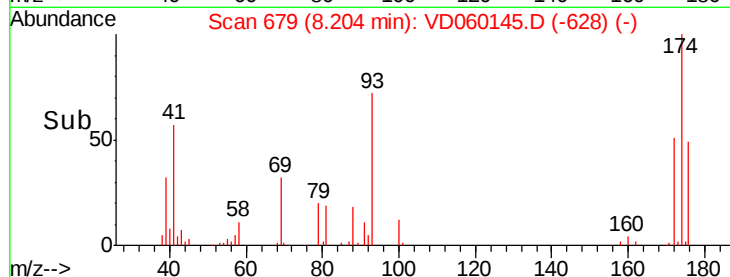
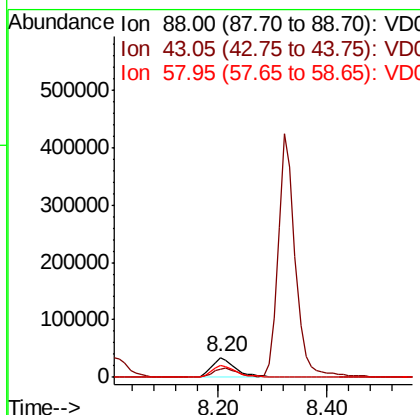
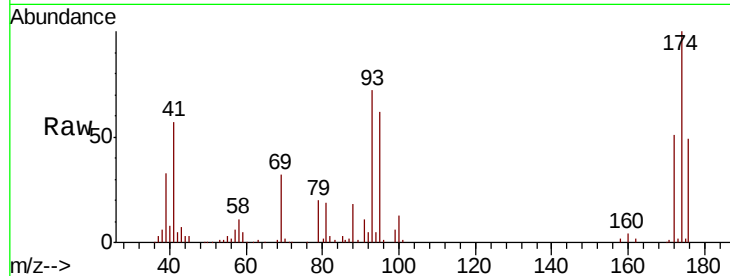
#49
1,4-Dioxane
Concen: 958.054 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	105930
Ion Ratio	Lower	Upper	
88	100		
43	38.7	33.7	50.5
58	61.4	49.1	73.7

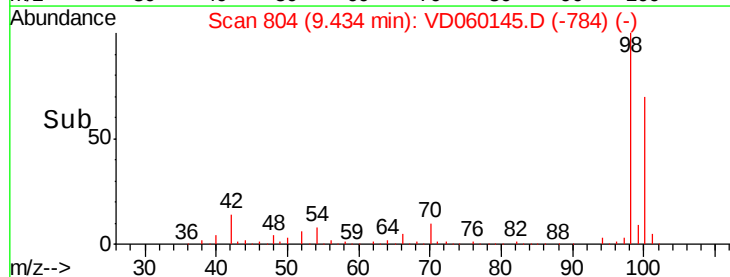
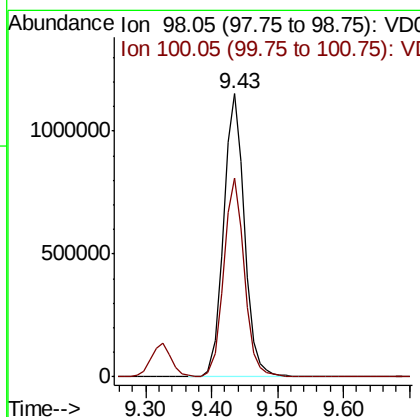
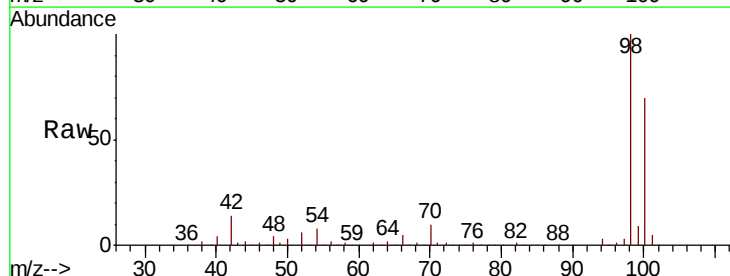
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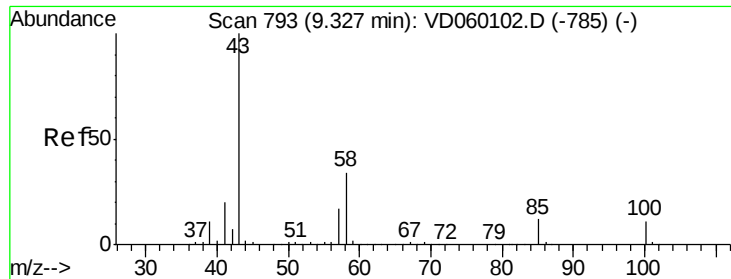
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#50
Toluene-d8
Concen: 958.054 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	98	Resp	2556241
Ion Ratio	Lower	Upper	
98	100		
100	70.4	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 228.011 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2837180

Ion Ratio Lower Upper

43 100

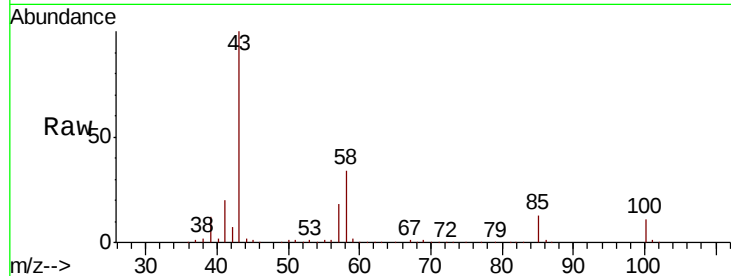
58 34.2 27.2 40.8

Manual Integrations

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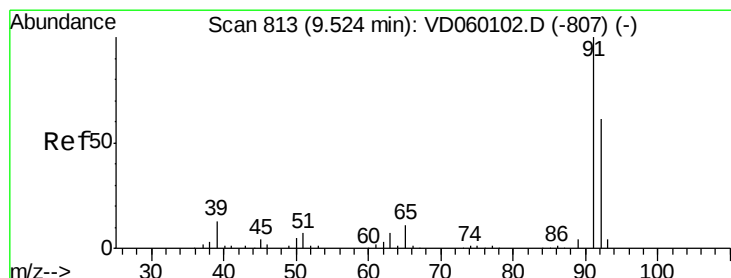
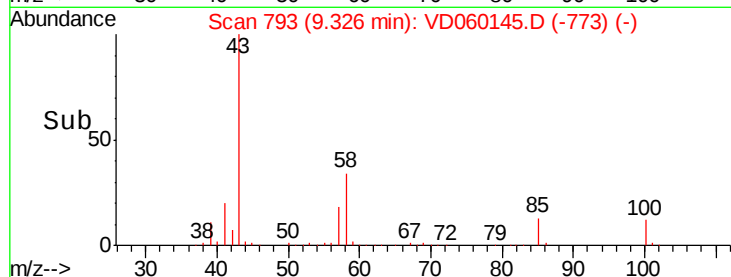
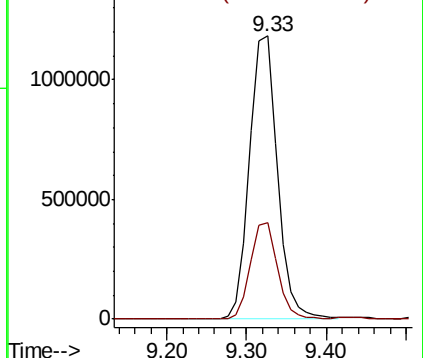
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.129 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD060145.D

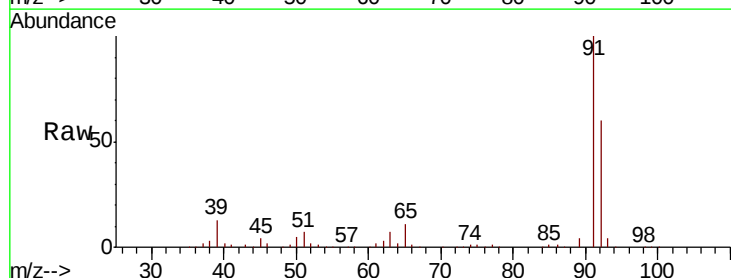
Acq: 9 Oct 2018 10:49

Tgt Ion: 92 Resp: 1832008

Ion Ratio Lower Upper

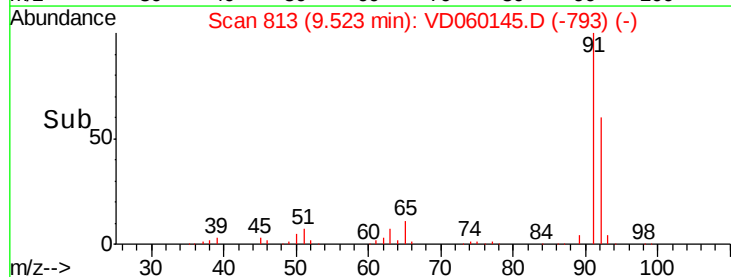
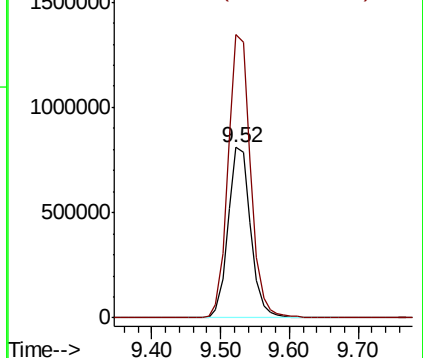
92 100

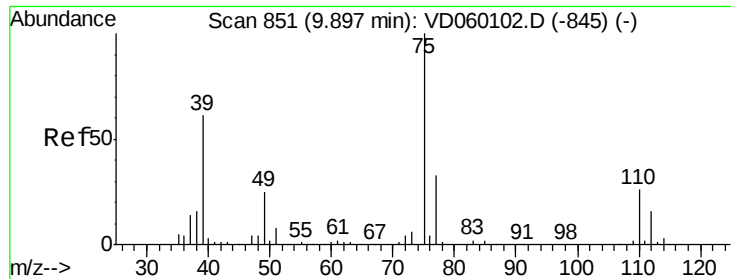
91 165.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





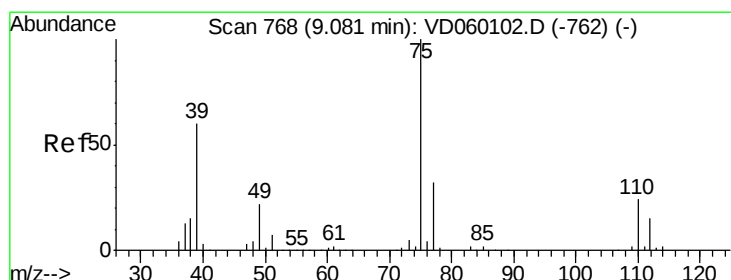
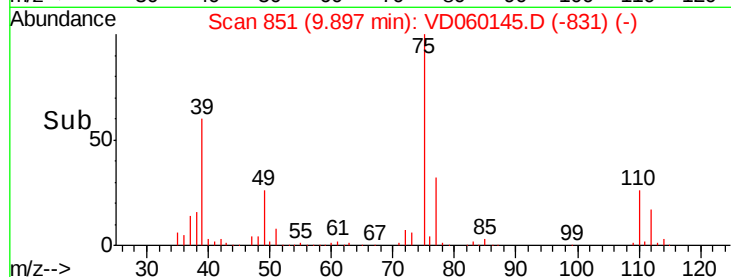
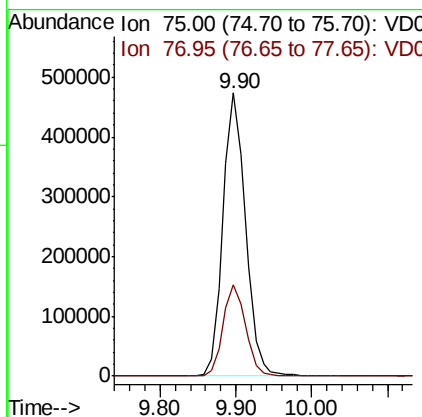
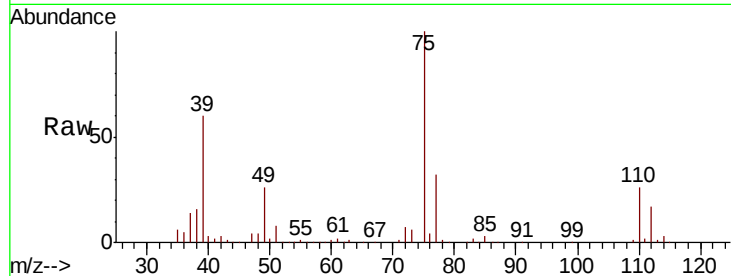
#53
t-1,3-Dichloropropene
Concen: 50.872 ug/l
RT: 9.90 min Scan# 851
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 982679
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2

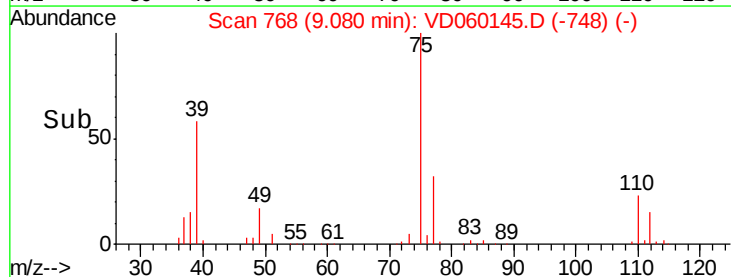
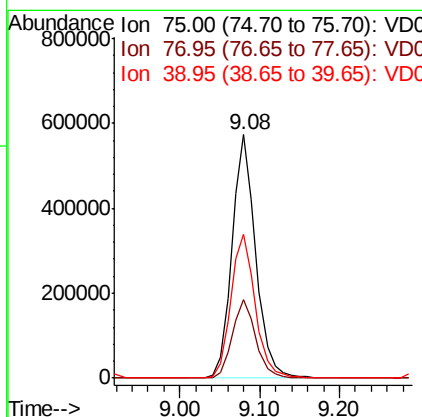
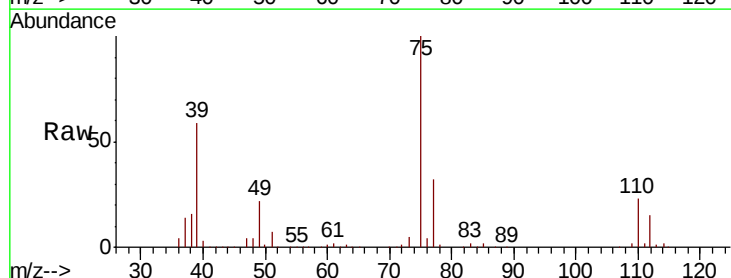
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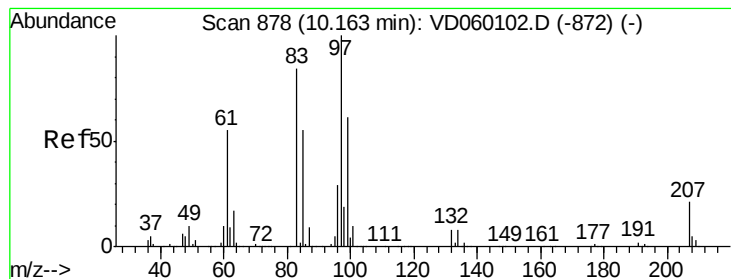
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#54
cis-1,3-Dichloropropene
Concen: 49.827 ug/l
RT: 9.08 min Scan# 768
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 75 Resp: 1188559
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
39 59.0 48.2 72.4





#55

1,1,2-Trichloroethane

Concen: 46.886 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 583448

Ion Ratio Lower Upper

97 100

83 86.0 67.0 100.6

85 54.9 43.9 65.9

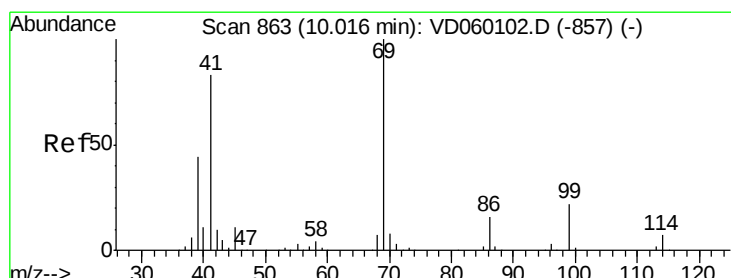
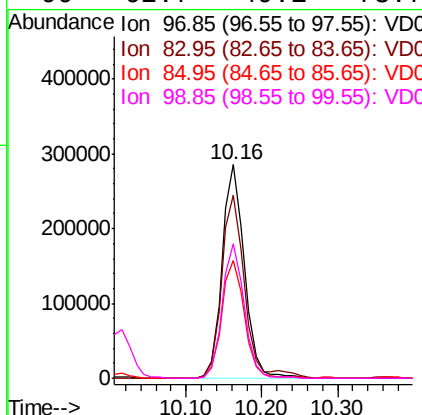
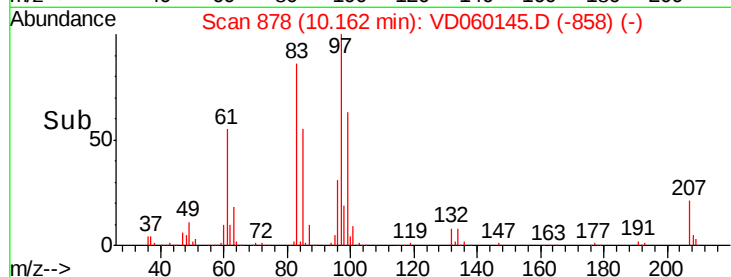
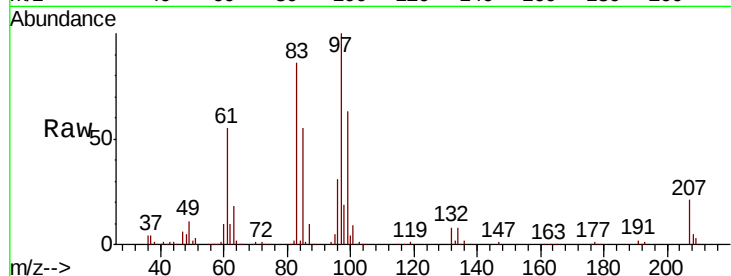
99 62.7 49.1 73.7

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#56

Ethyl methacrylate

Concen: 46.772 ug/l

RT: 10.01 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

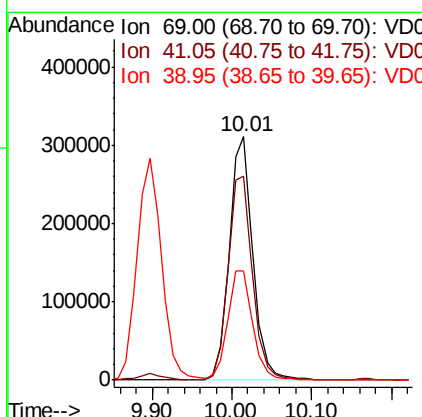
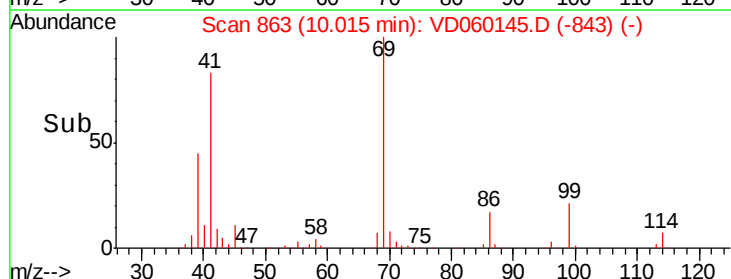
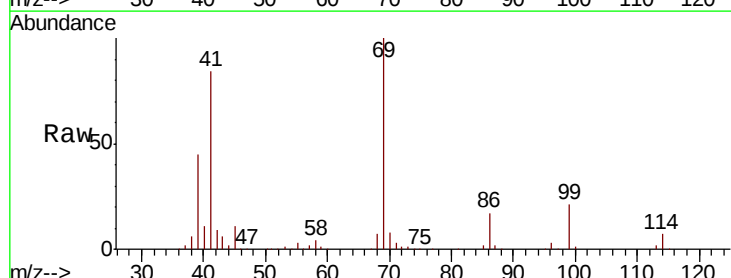
Tgt Ion: 69 Resp: 642471

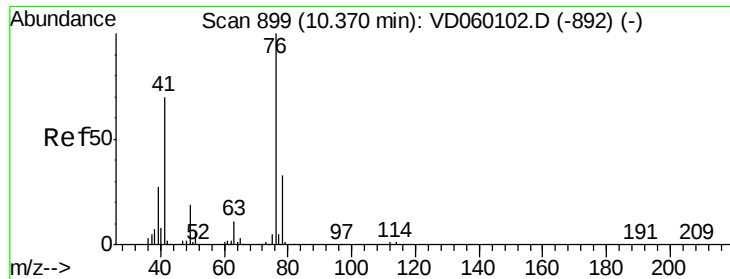
Ion Ratio Lower Upper

69 100

41 83.6 66.6 100.0

39 45.1 36.0 54.0





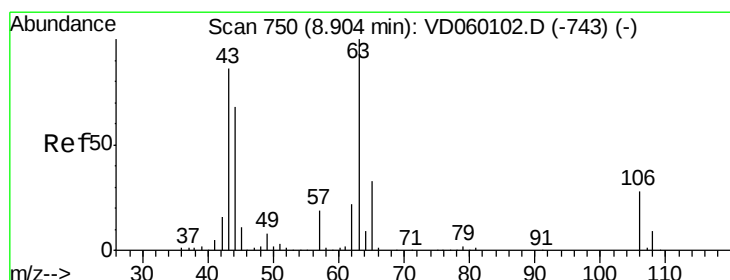
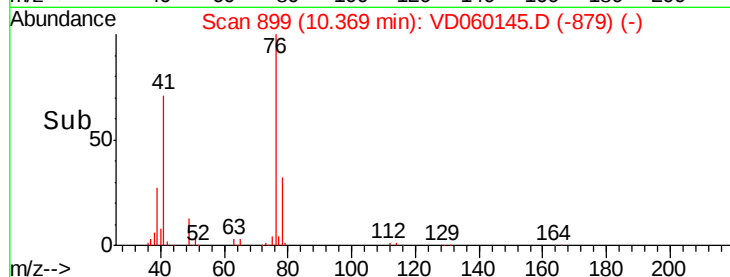
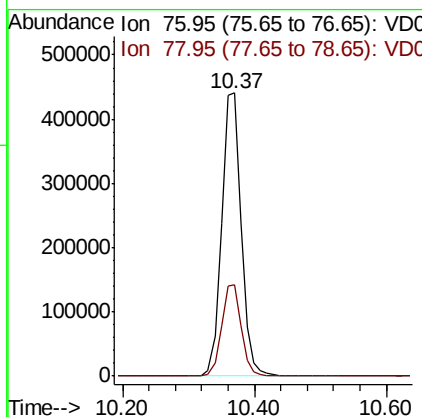
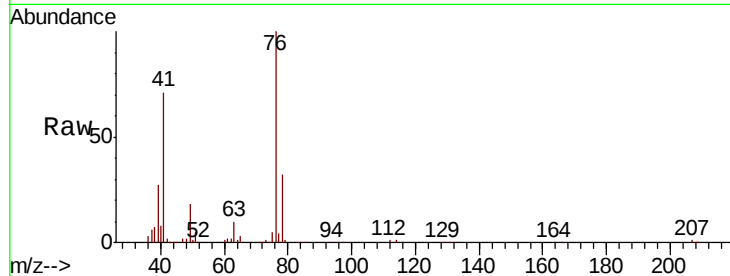
#57
 1,3-Dichloropropane
 Concen: 48.207 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 914887
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

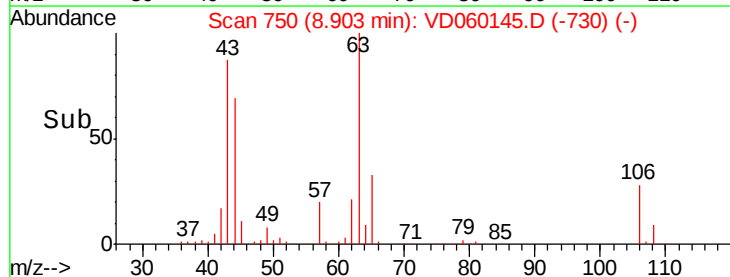
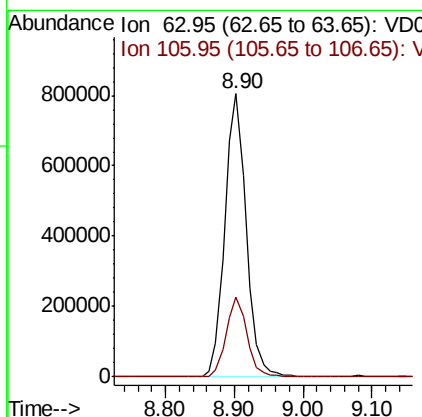
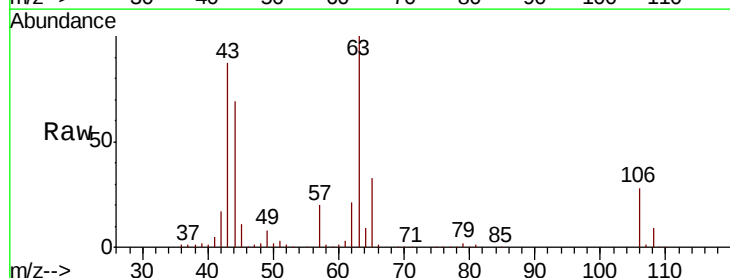
Manual Integrations
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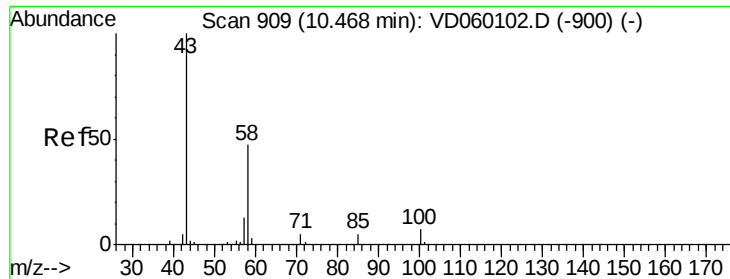
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#58
 2-Chloroethyl Vinyl ether
 Concen: 226.569 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion: 63 Resp: 1728238
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 34.0





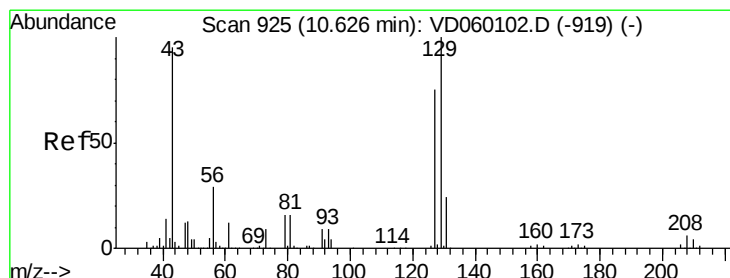
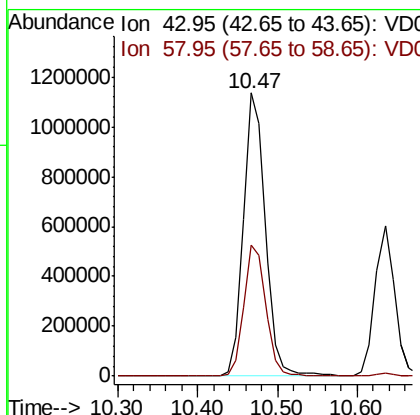
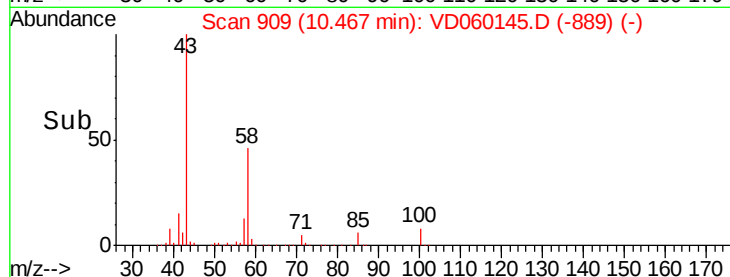
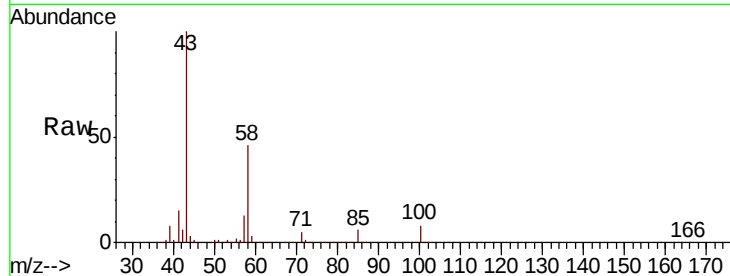
#59
2-Hexanone
Concen: 240.809 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2154676
Ion Ratio Lower Upper
43 100
58 46.4 23.3 69.9

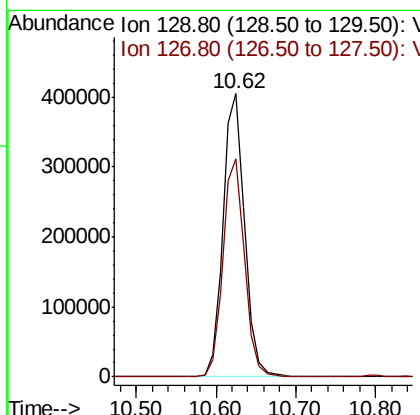
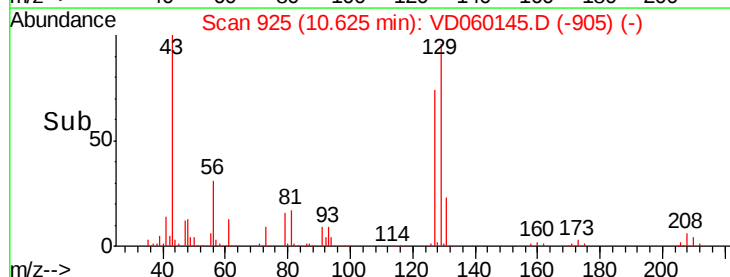
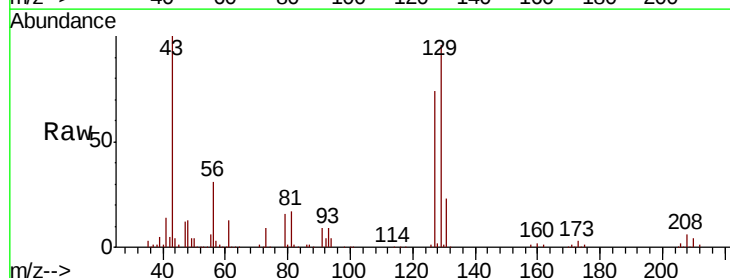
Manual Integrations
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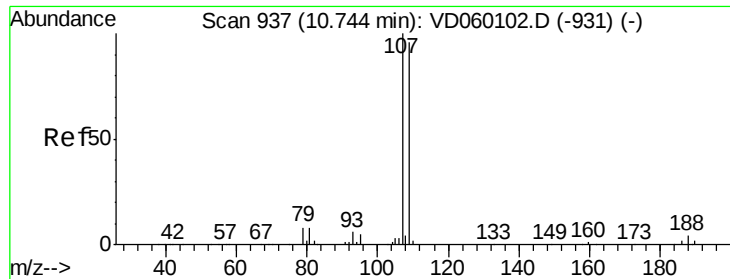
apatel
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#60
Dibromochloromethane
Concen: 50.755 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 129 Resp: 774923
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.2





#61

1,2-Dibromoethane

Concen: 48.506 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 641343

Ion Ratio Lower Upper

107 100

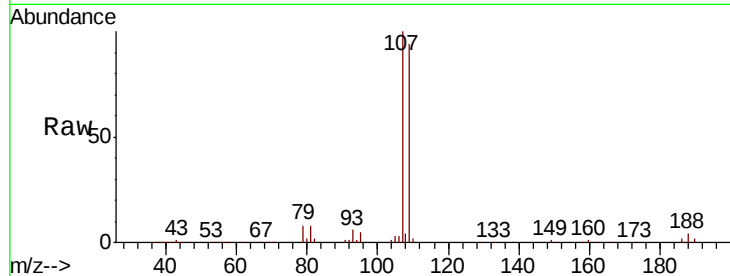
109 93.7 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

400000

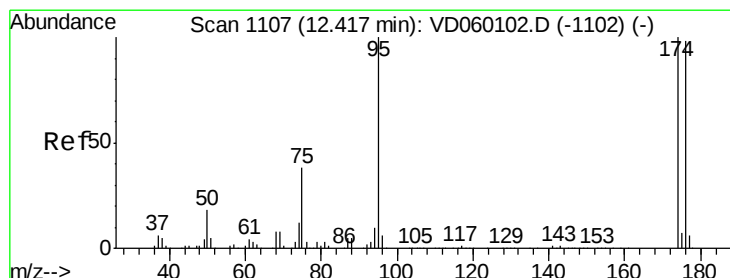
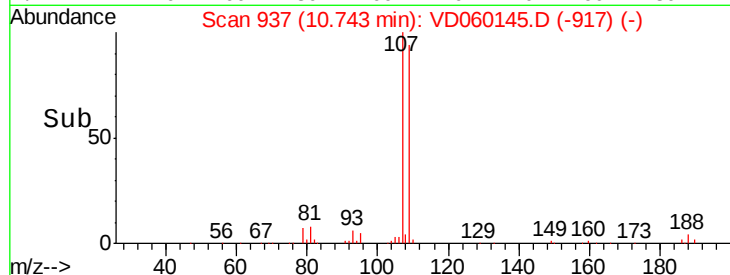
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.506 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

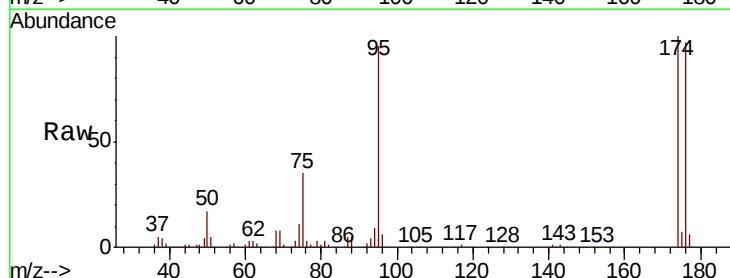
Tgt Ion: 95 Resp: 966552

Ion Ratio Lower Upper

95 100

174 105.6 0.0 200.2

176 102.6 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

800000

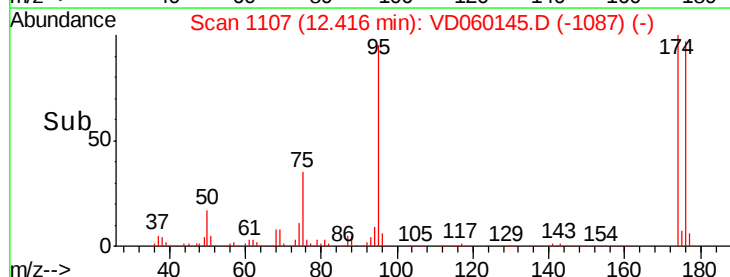
600000

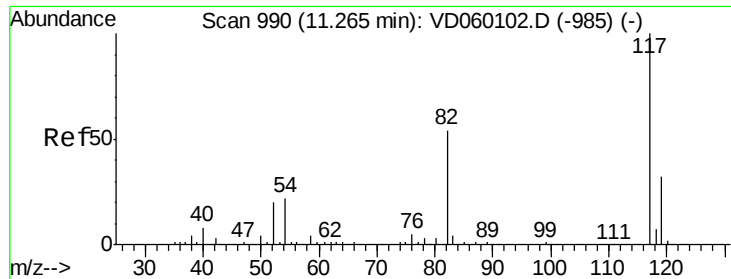
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.26 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1879010

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.2

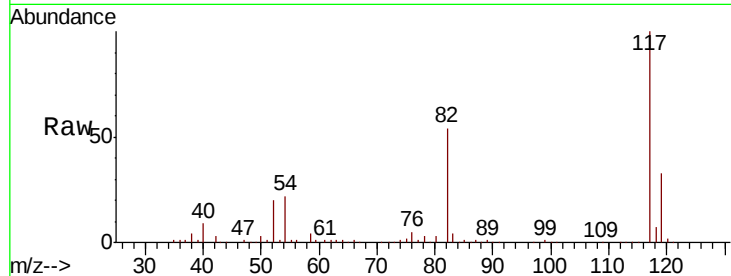
119 32.5 26.0 39.0

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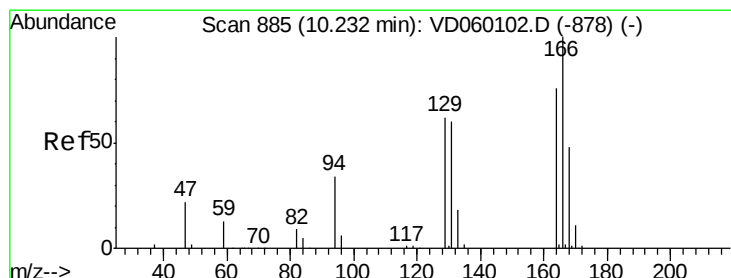
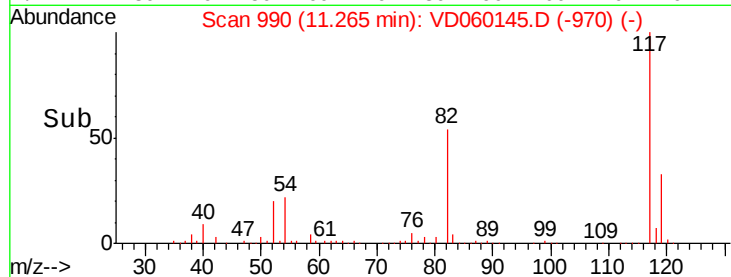
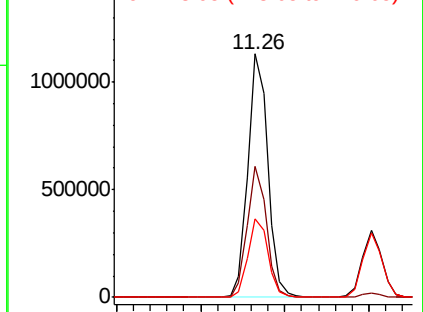


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 49.121 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion:164 Resp: 808398

Ion Ratio Lower Upper

164 100

166 129.7 105.4 158.0

129 79.2 65.7 98.5

131 77.7 62.9 94.3

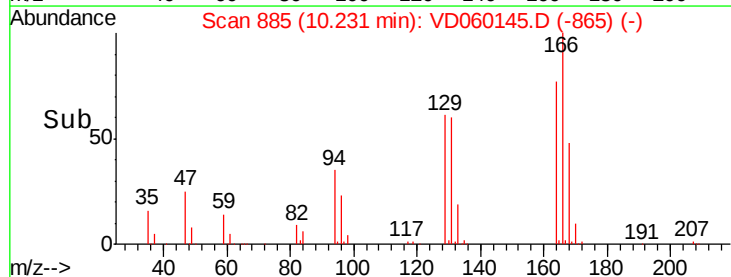
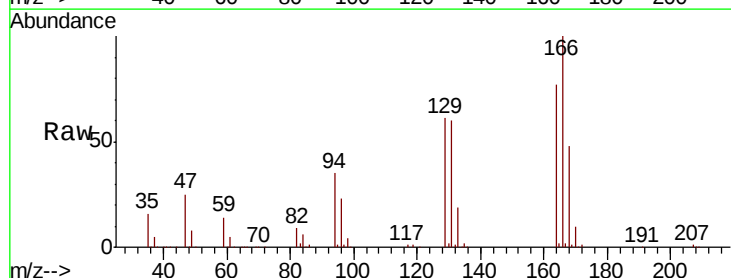
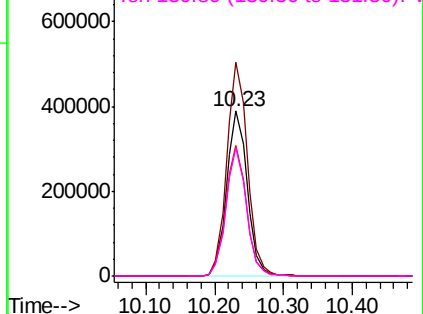
Abundance

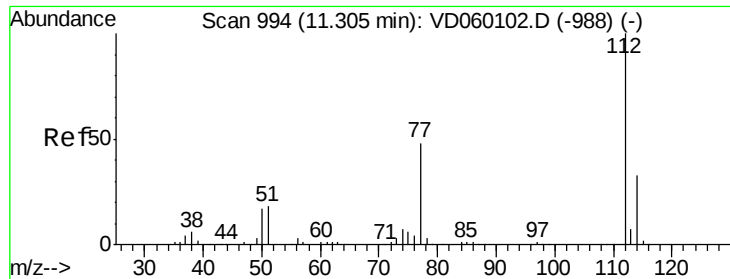
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





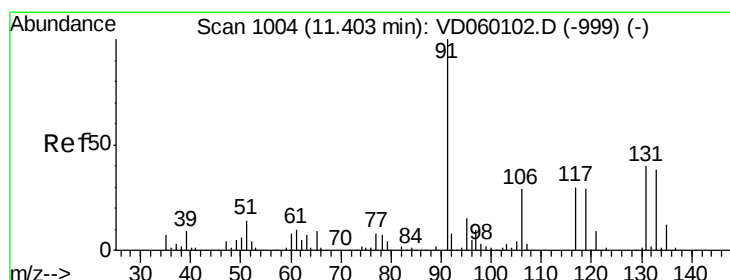
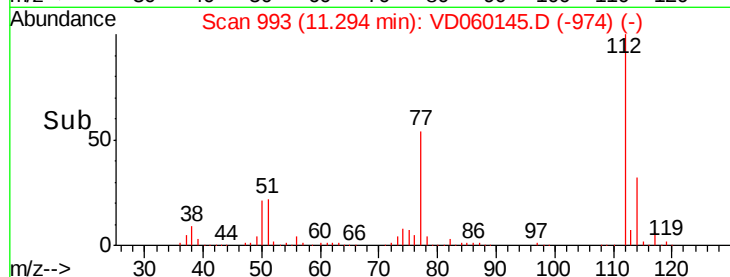
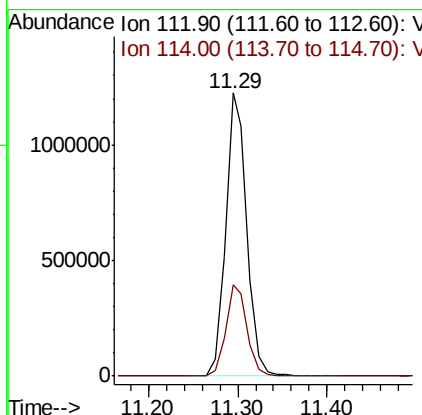
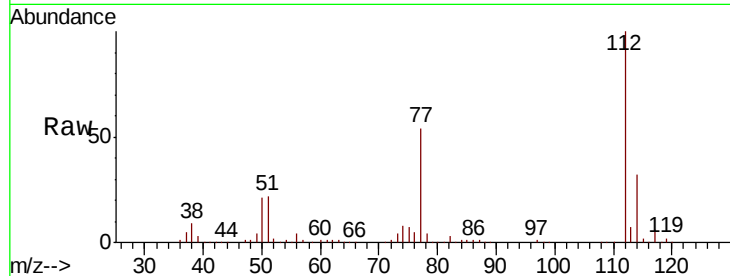
#65
Chlorobenzene
Concen: 50.066 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2035167
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

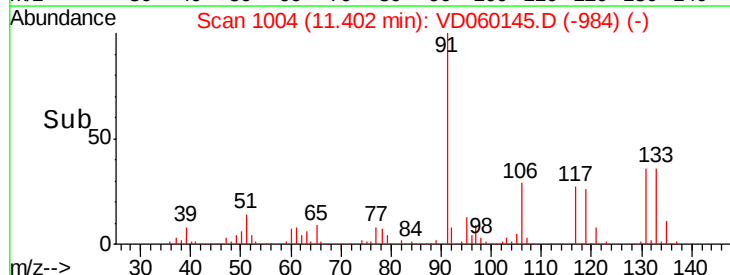
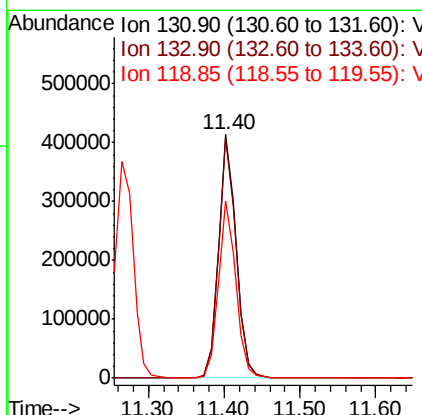
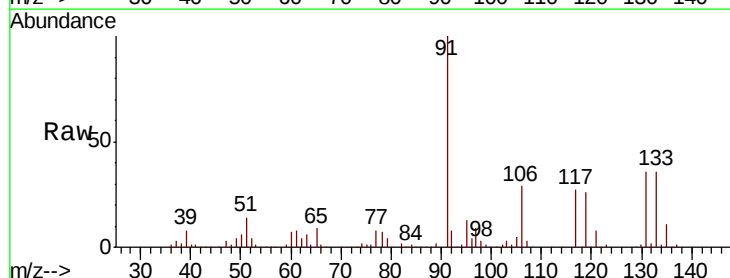
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.115 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion:131 Resp: 679608
Ion Ratio Lower Upper
131 100
133 98.6 47.4 142.3
119 72.7 36.1 108.3





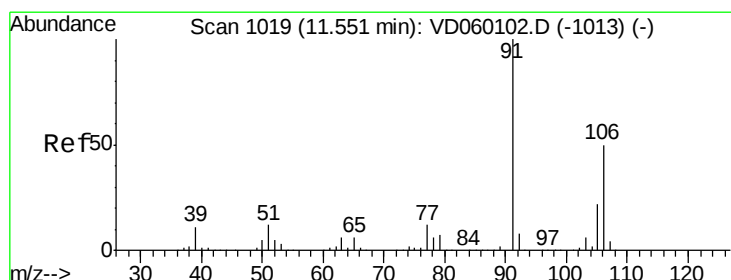
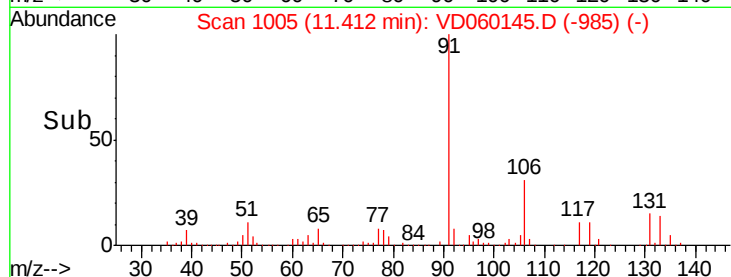
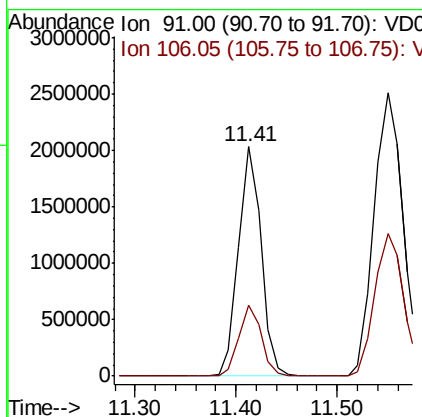
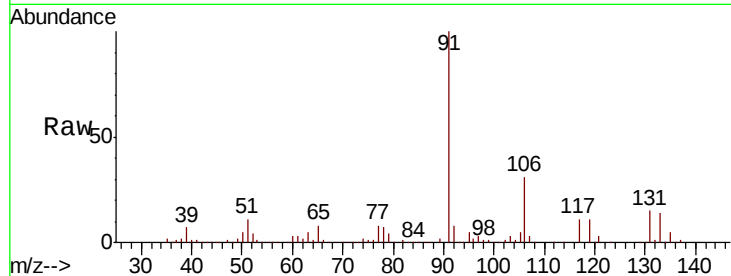
#67
Ethyl Benzene
Concen: 48.654 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3204359
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6

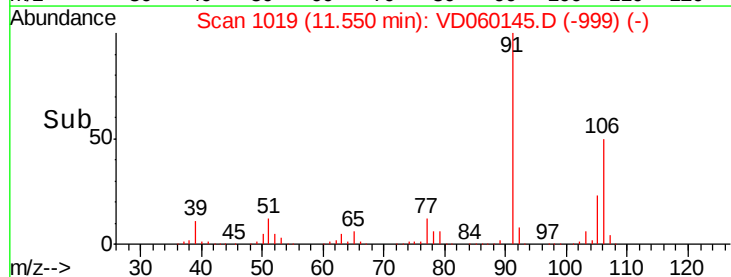
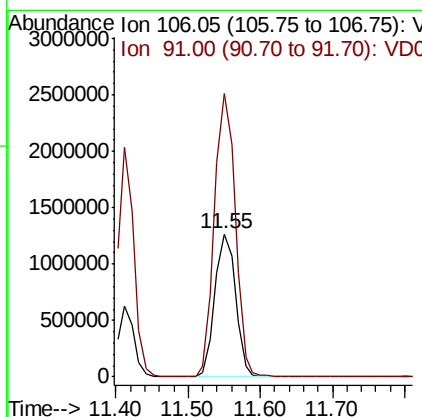
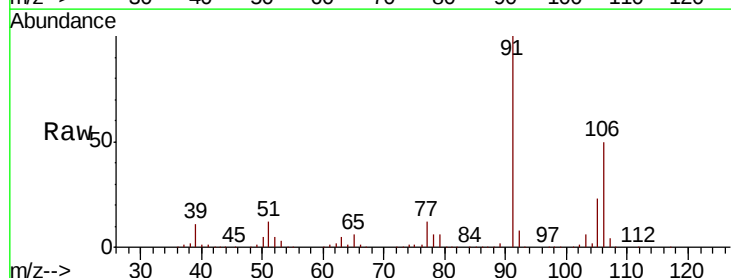
Manual Integrations
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#68
m/p-Xylenes
Concen: 102.241 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 106 Resp: 2515914
Ion Ratio Lower Upper
106 100
91 198.3 160.0 240.0





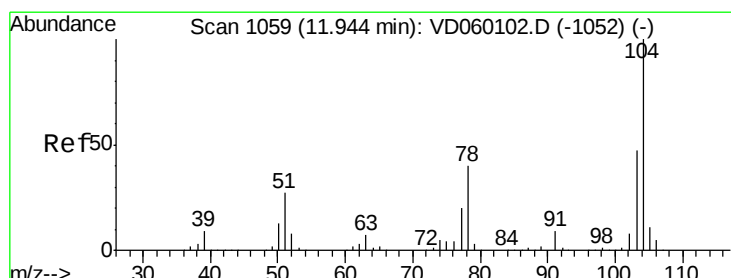
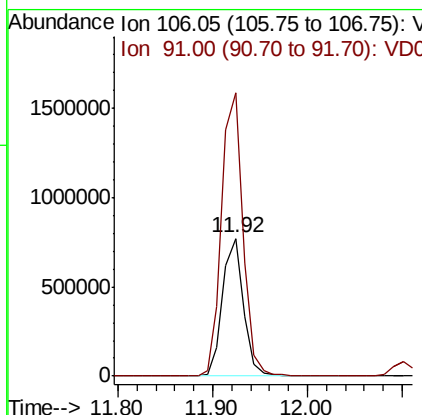
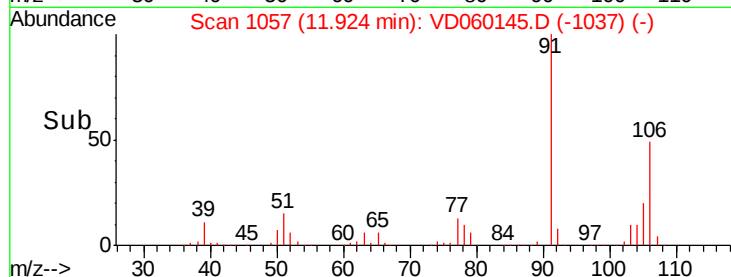
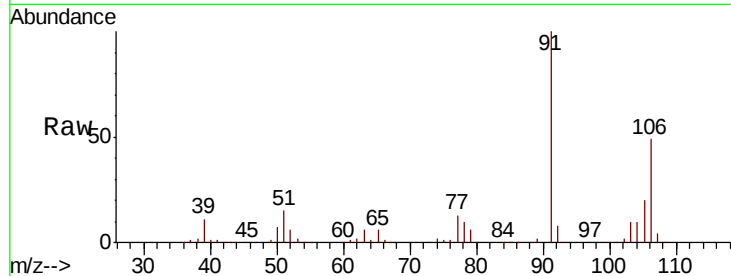
#69
o-Xylene
Concen: 48.513 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1180815
Ion Ratio Lower Upper
106 100
91 205.1 102.5 307.5

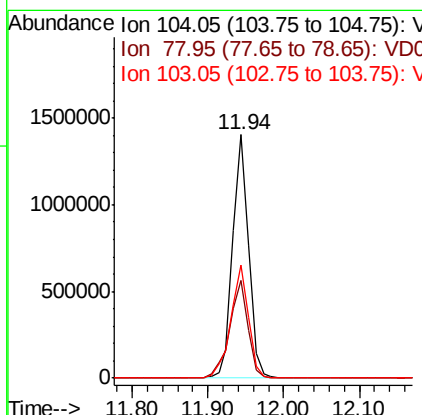
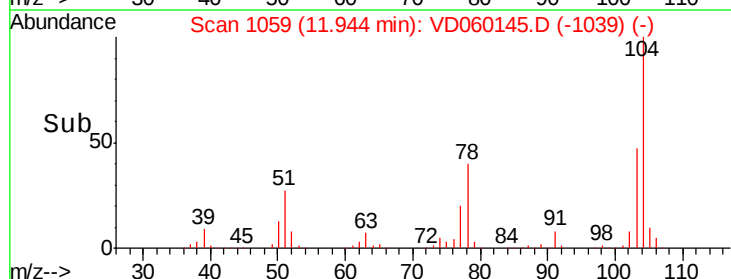
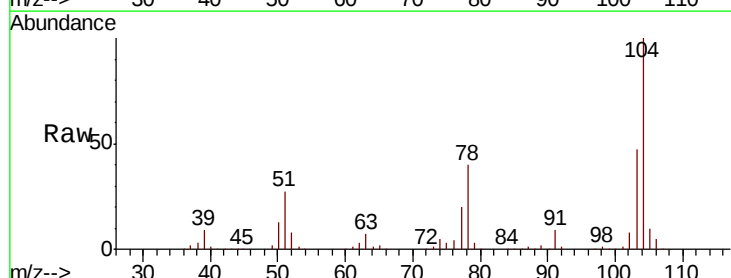
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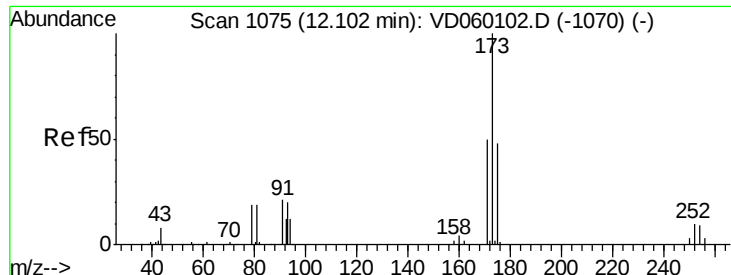
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#70
Styrene
Concen: 49.680 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion:104 Resp: 2022196
Ion Ratio Lower Upper
104 100
78 40.0 32.2 48.4
103 46.5 37.4 56.0





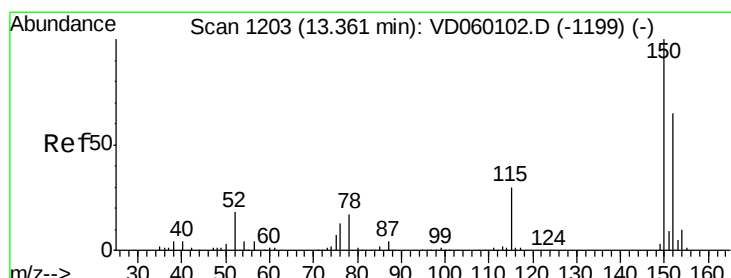
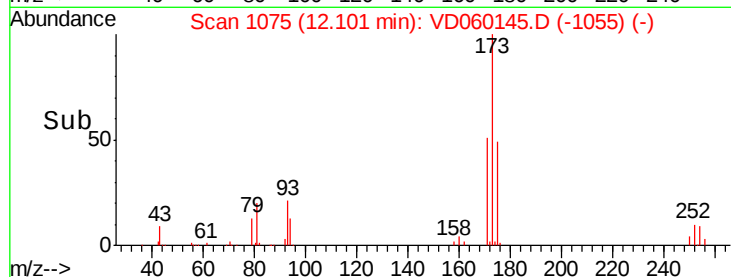
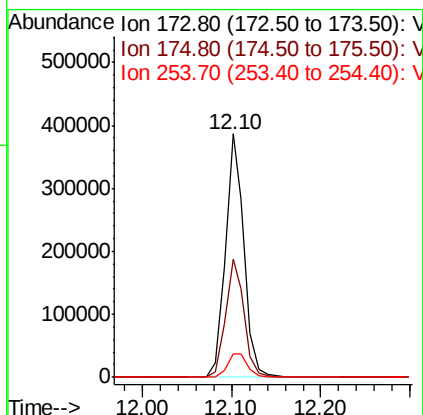
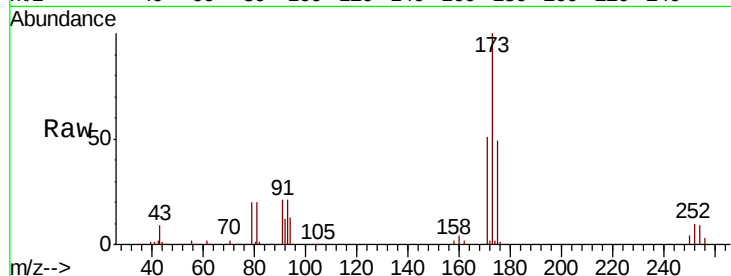
#71
Bromoform
Concen: 51.654 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	9.4	7.4	11.0

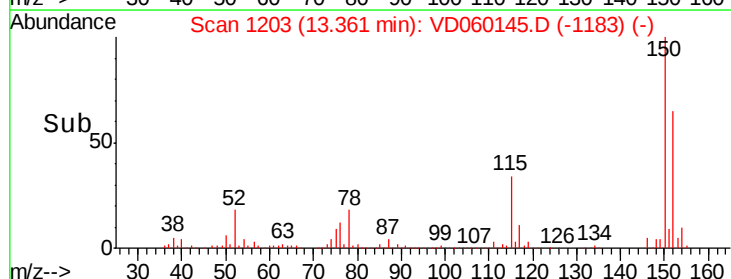
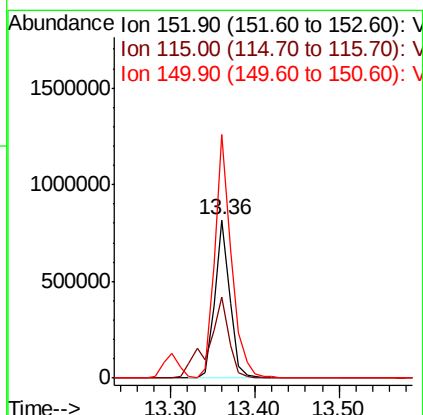
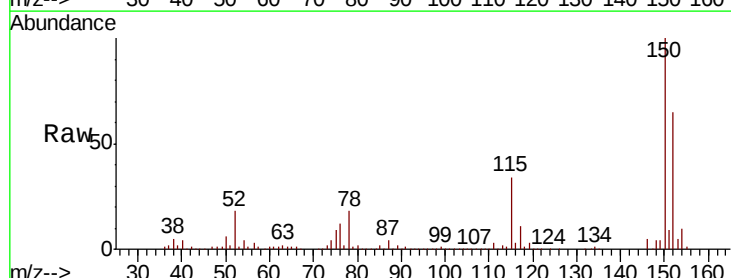
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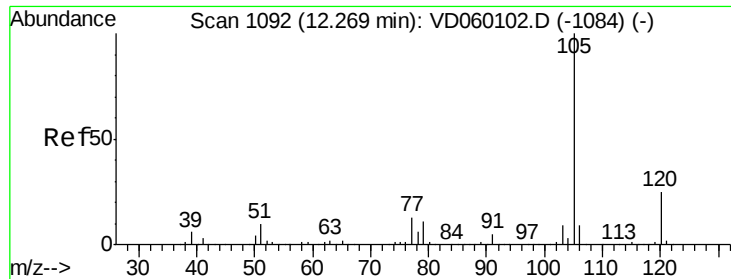
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.7	27.1	81.2
150	154.2	0.0	311.8





#73

Isopropylbenzene

Concen: 50.218 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3341116

Ion Ratio Lower Upper

105 100

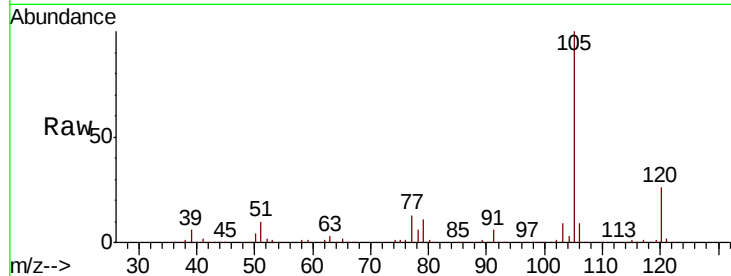
120 25.6 12.6 37.6

Manual Integrations

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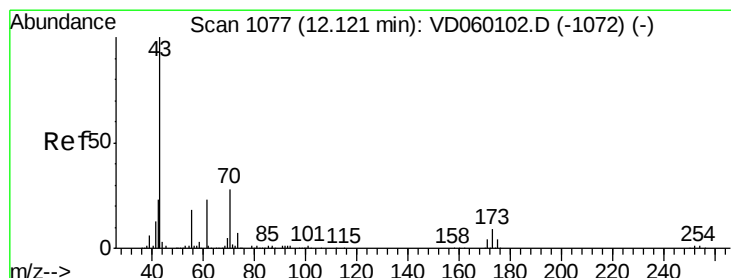
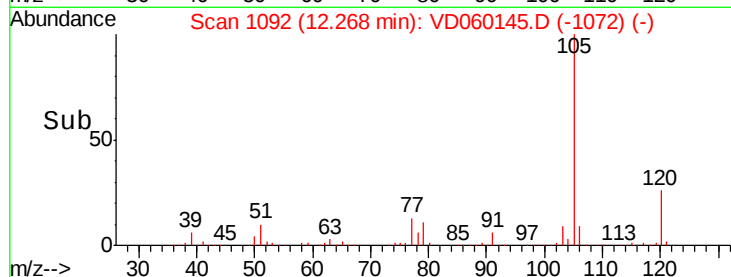
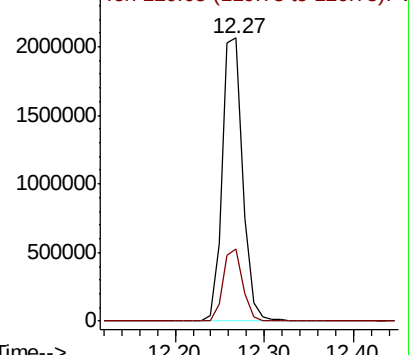
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.463 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion: 43 Resp: 1181040

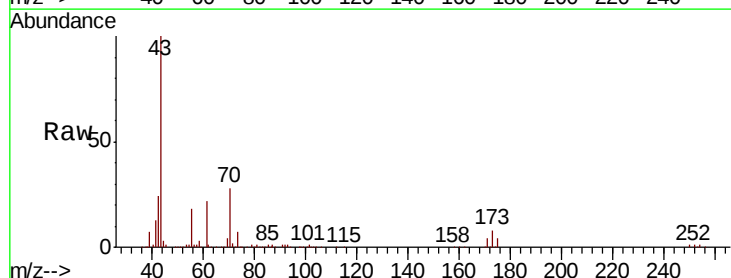
Ion Ratio Lower Upper

43 100

70 27.9 22.1 33.1

55 17.7 14.1 21.1

61 22.1 18.4 27.6

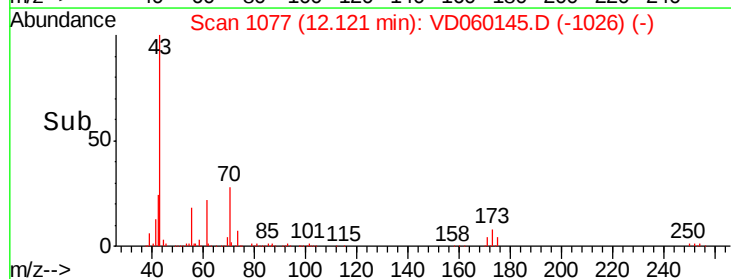
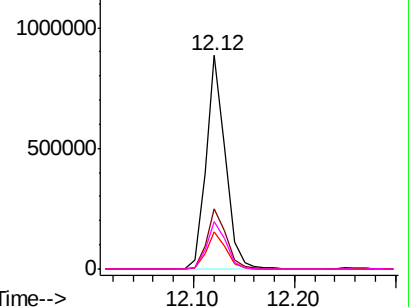


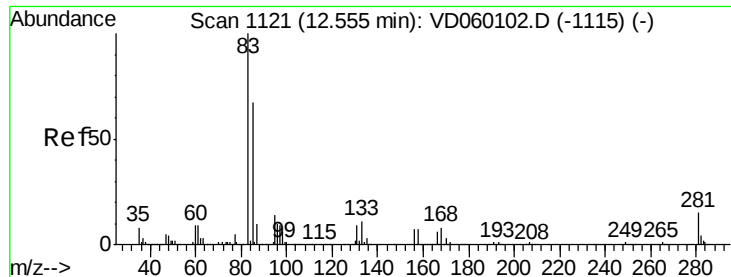
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 46.852 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

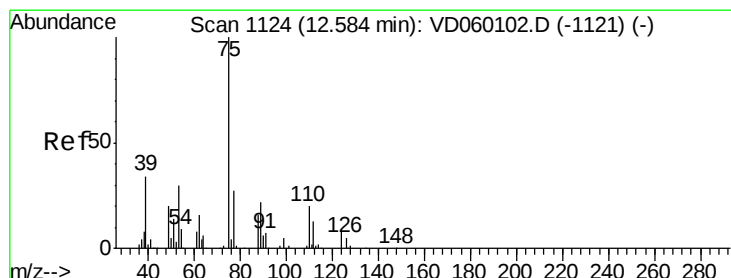
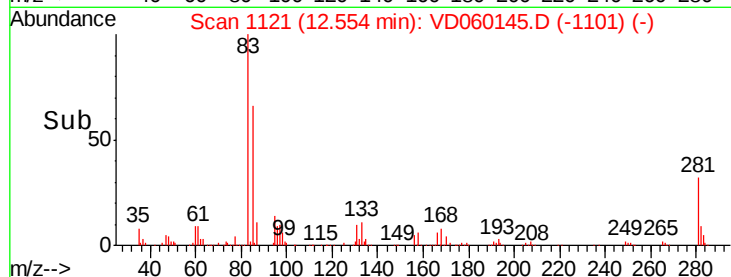
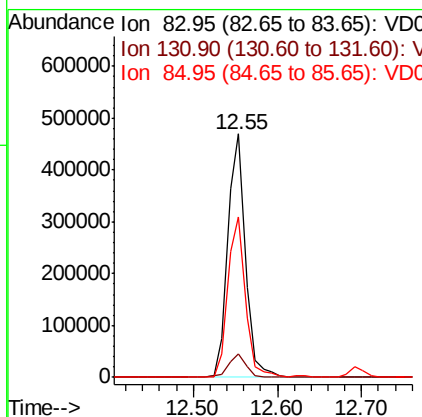
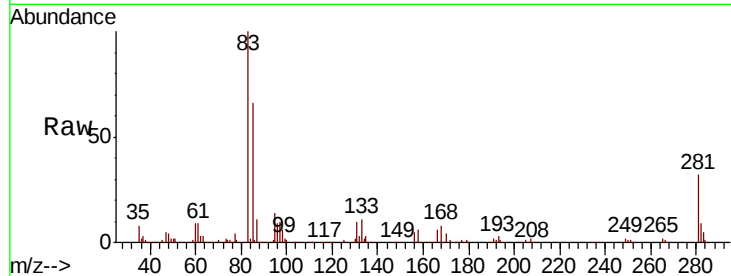
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	680521
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.5	13.4
85	65.7	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 47.401 ug/l

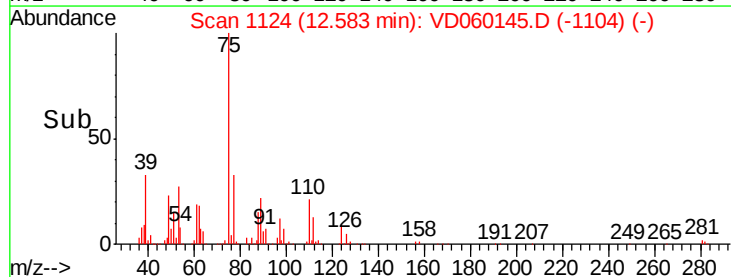
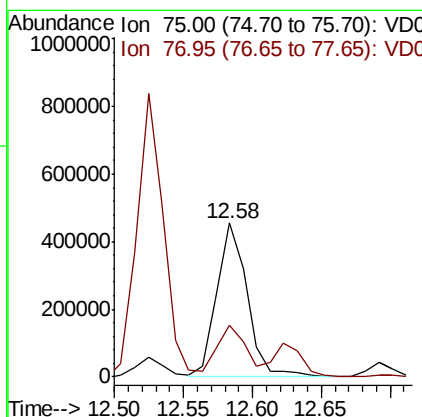
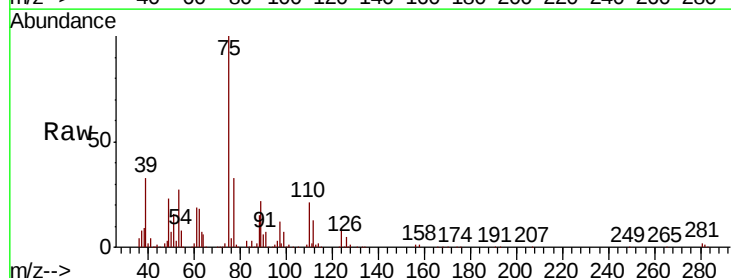
RT: 12.58 min Scan# 1124

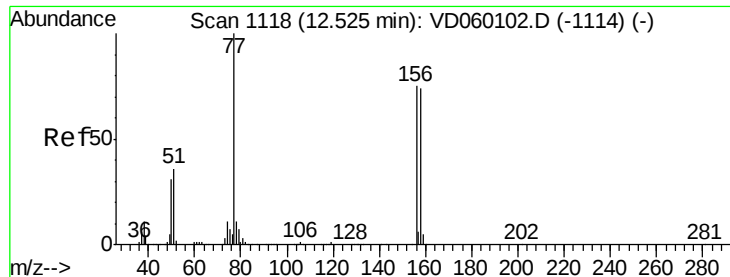
Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion:	75	Resp:	688422
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.3	48.9





#77

Bromobenzene

Concen: 48.369 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

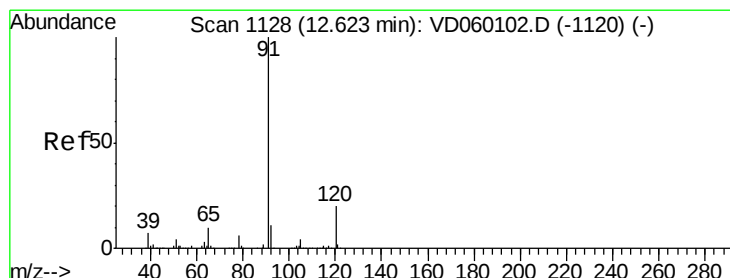
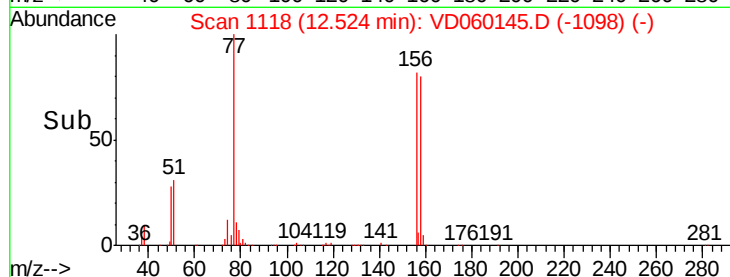
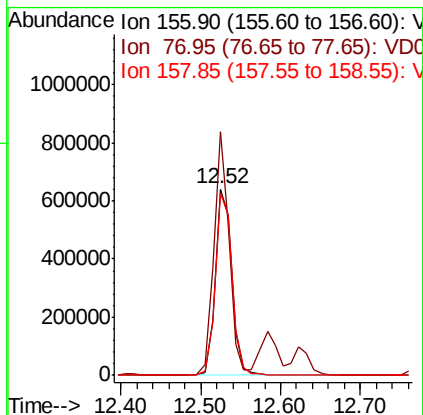
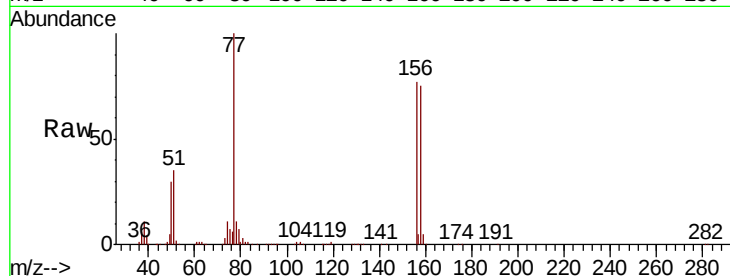
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	935156
Ion Ratio	Lower	Upper	
156	100		
77	130.7	66.9	200.7
158	97.6	49.1	147.4

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#78

n-propylbenzene

Concen: 48.336 ug/l

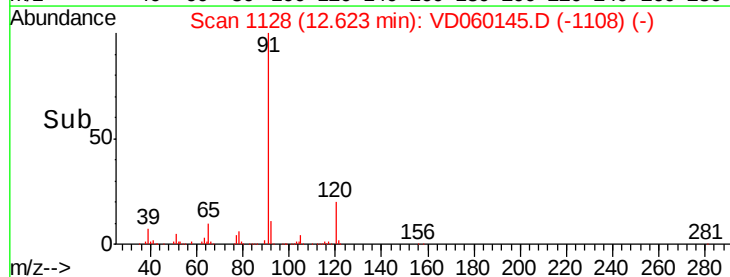
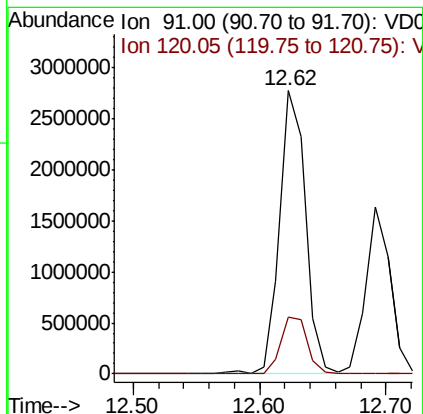
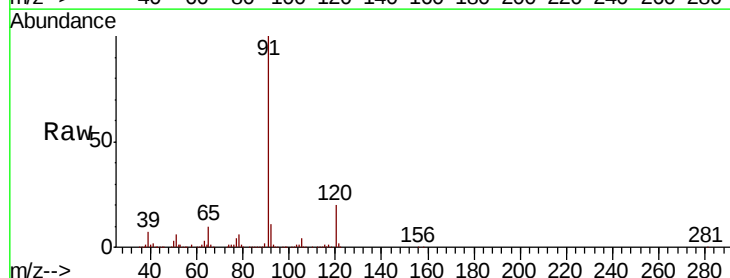
RT: 12.62 min Scan# 1128

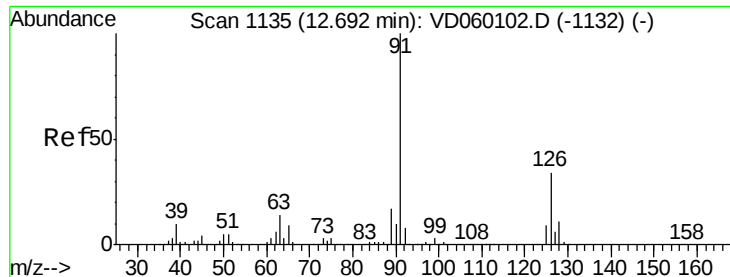
Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Tgt Ion:	91	Resp:	3993178
Ion Ratio	Lower	Upper	
91	100		
120	20.0	10.0	30.0





#79

2-Chlorotoluene

Concen: 47.941 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2198131

Ion Ratio Lower Upper

91 100

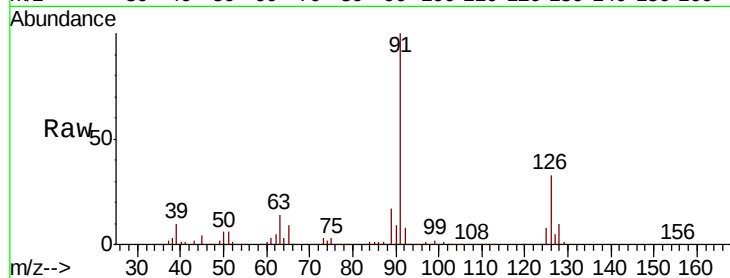
126 32.9 16.8 50.3

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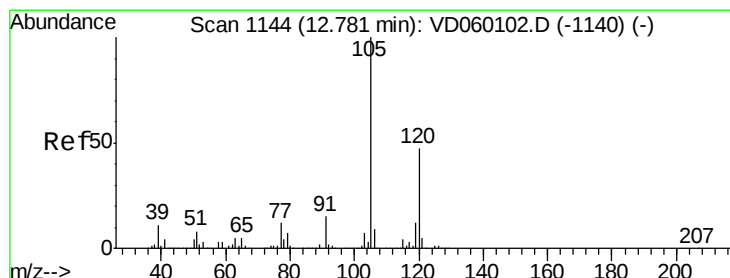
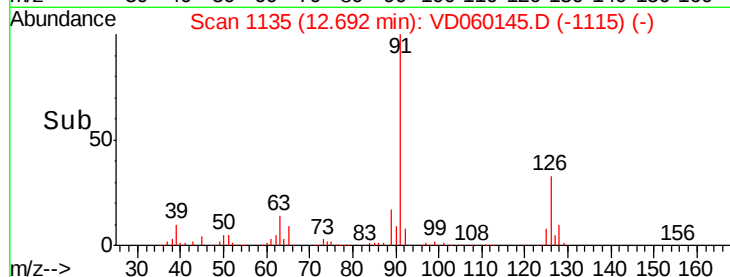
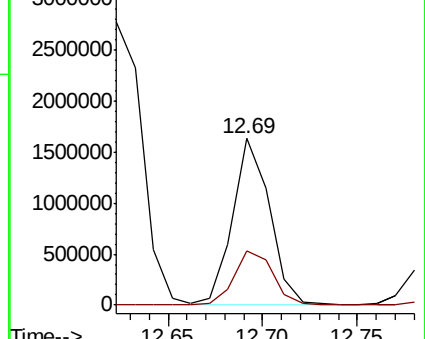
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 49.551 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060145.D

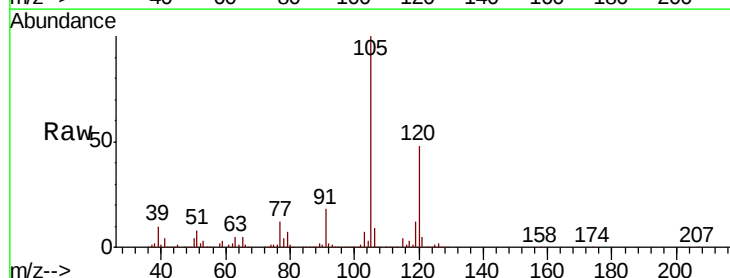
Acq: 9 Oct 2018 10:49

Tgt Ion:105 Resp: 2551520

Ion Ratio Lower Upper

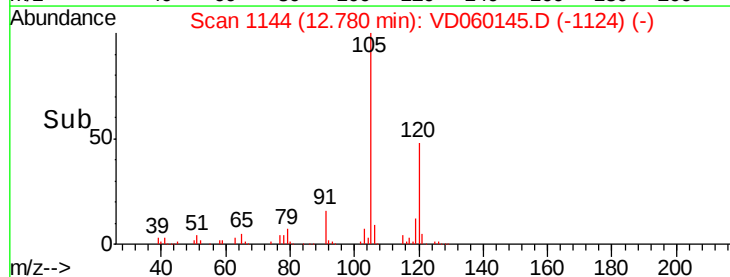
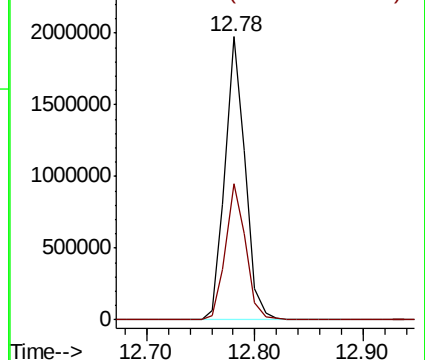
105 100

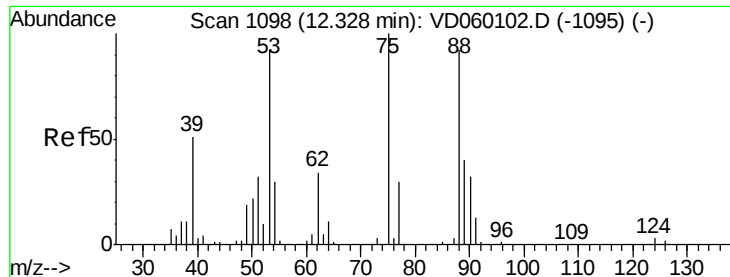
120 48.0 23.7 71.1



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: 51.714 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 211041

Ion Ratio Lower Upper

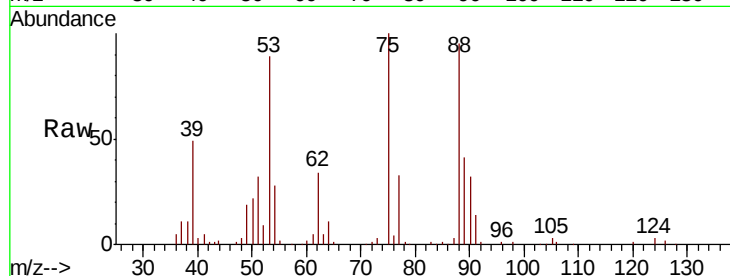
75 100

53 88.6 73.0 109.6

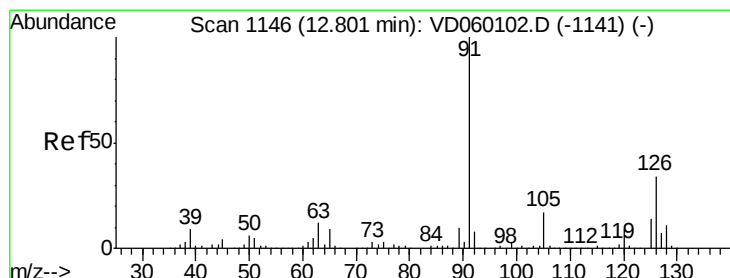
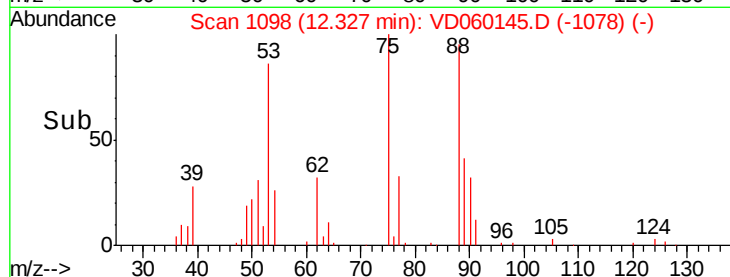
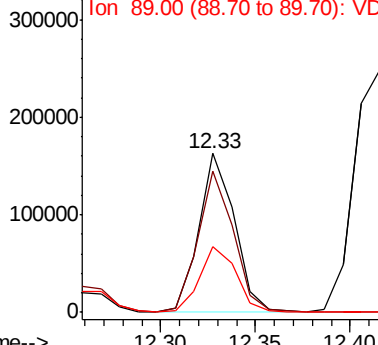
89 41.0 32.0 48.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 47.316 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060145.D

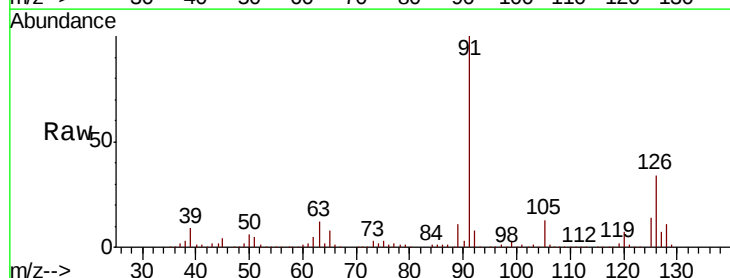
Acq: 9 Oct 2018 10:49

Tgt Ion: 91 Resp: 2453834

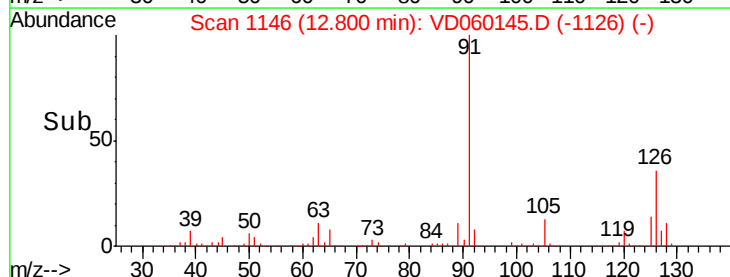
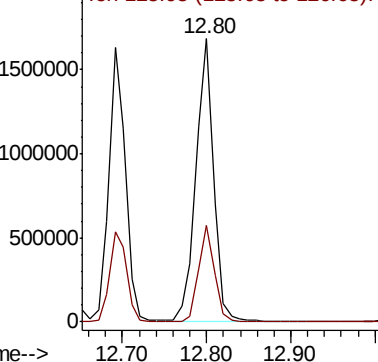
Ion Ratio Lower Upper

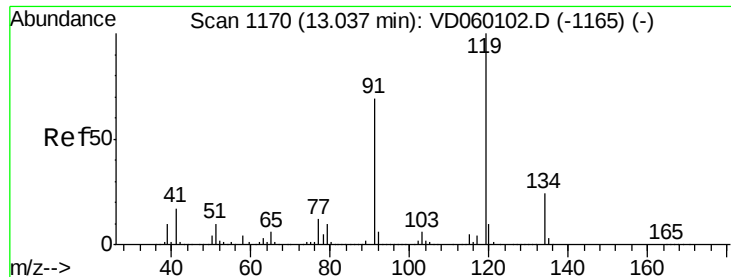
91 100

126 34.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 49.182 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD060145.D

Acq: 9 Oct 2018 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2906169

Ion Ratio Lower Upper

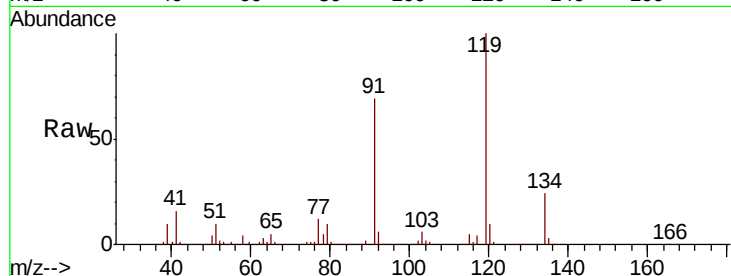
119 100

91 69.5 34.8 104.4

134 23.9 11.8 35.4

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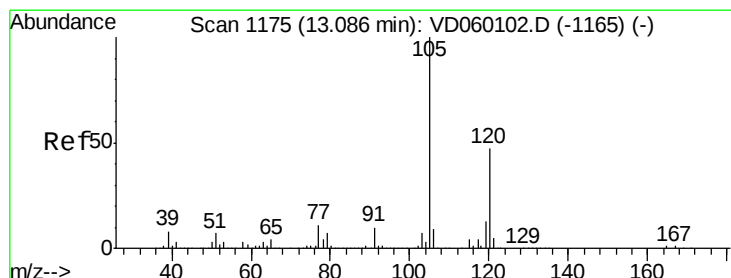
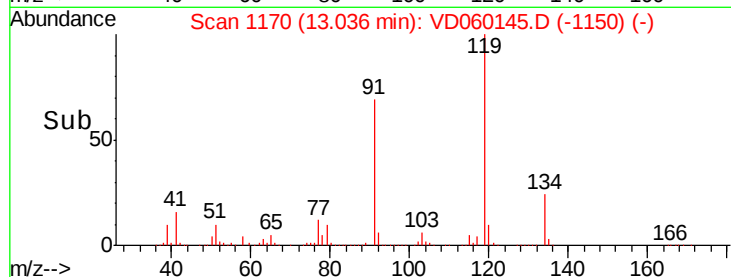
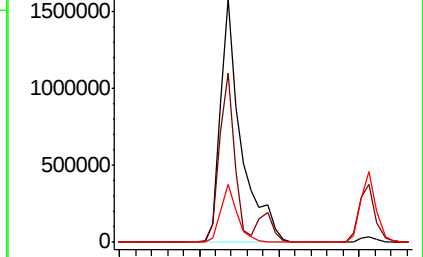
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.580 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060145.D

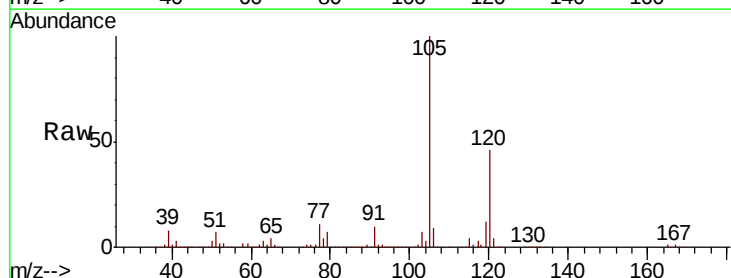
Acq: 9 Oct 2018 10:49

Tgt Ion:105 Resp: 2636427

Ion Ratio Lower Upper

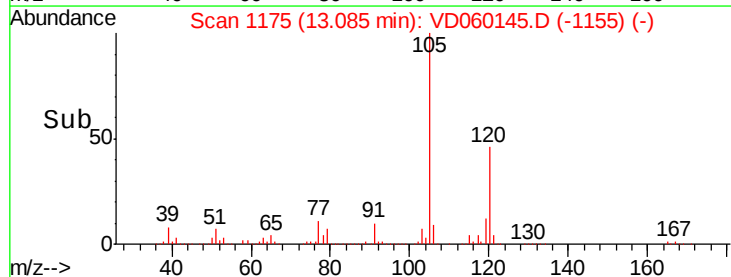
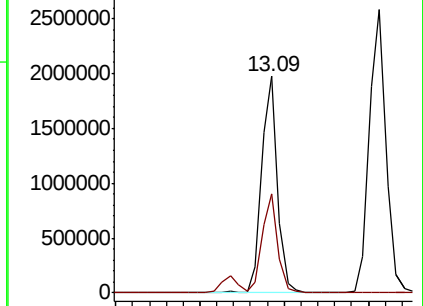
105 100

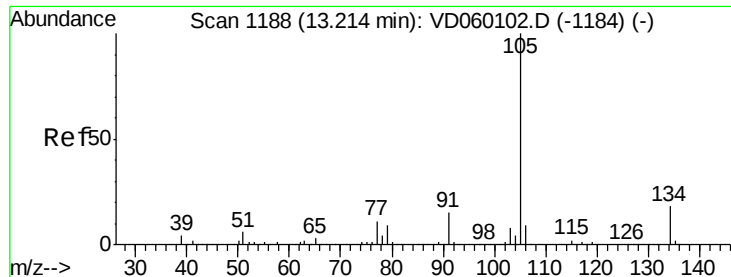
120 45.8 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





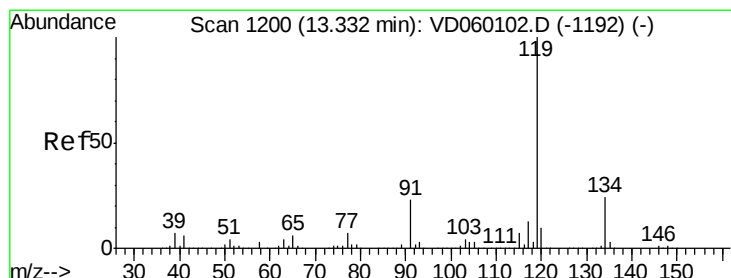
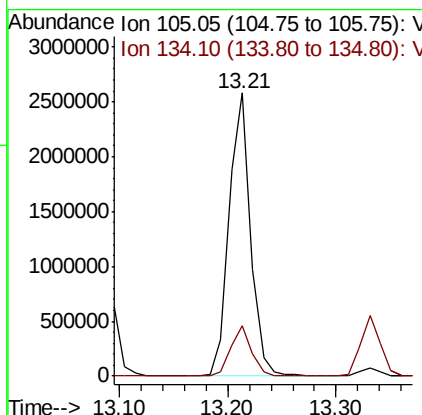
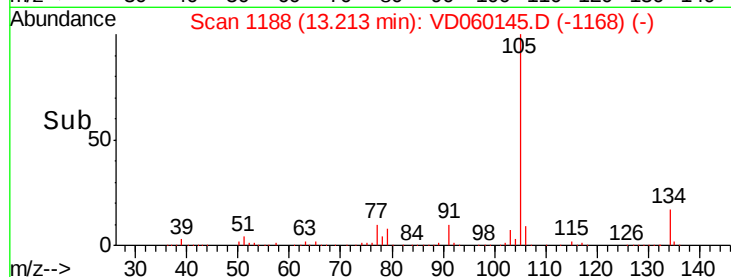
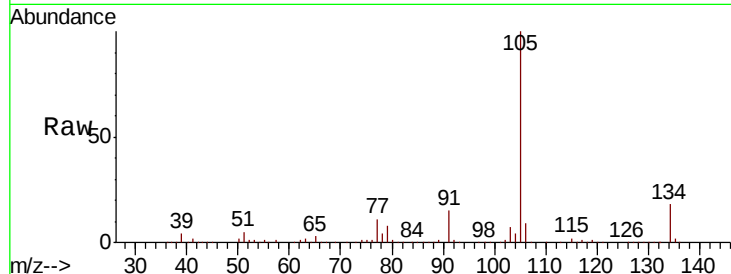
#85
 sec-Butylbenzene
 Concen: 50.829 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3551214
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.8 26.2

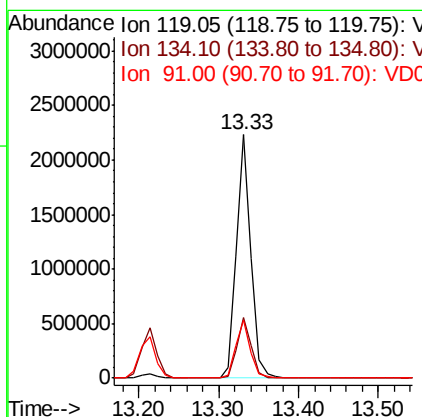
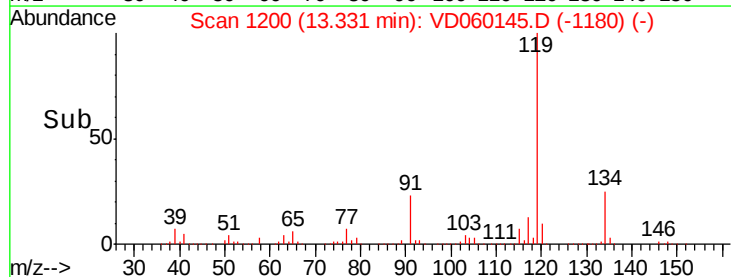
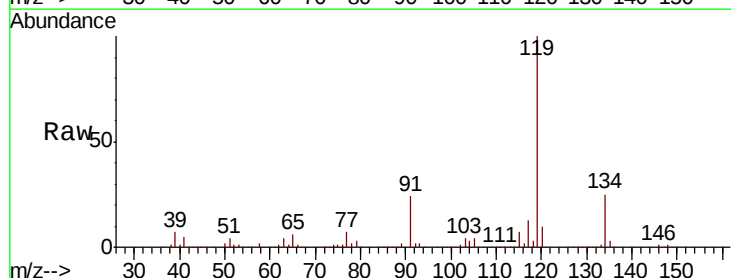
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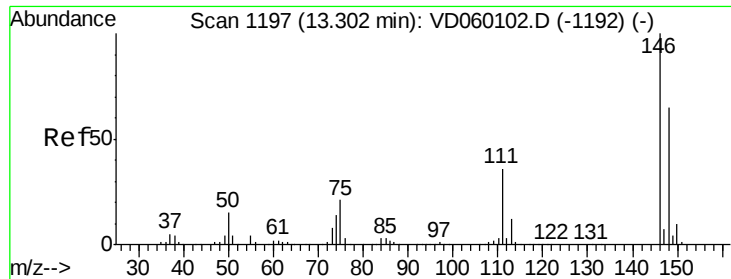
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#86
 p-Isopropyltoluene
 Concen: 49.278 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion:119 Resp: 2823874
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.3 36.8
 91 23.6 11.8 35.4





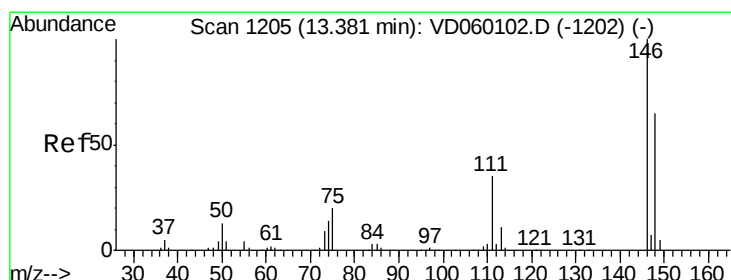
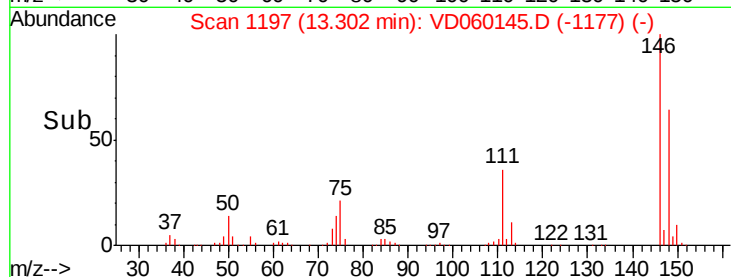
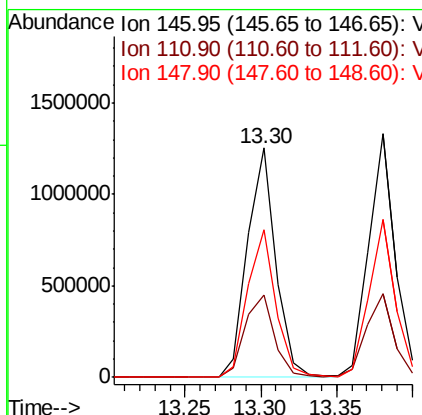
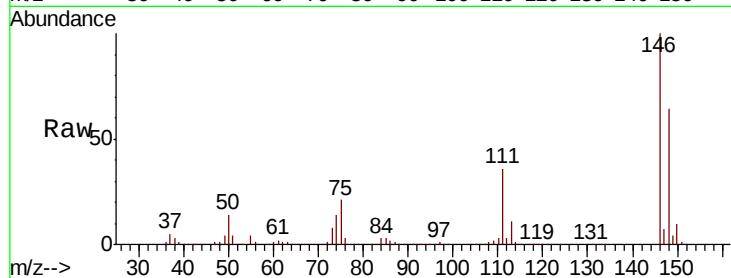
#87
 1,3-Dichlorobenzene
 Concen: 48.569 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	64.2	32.3	96.9

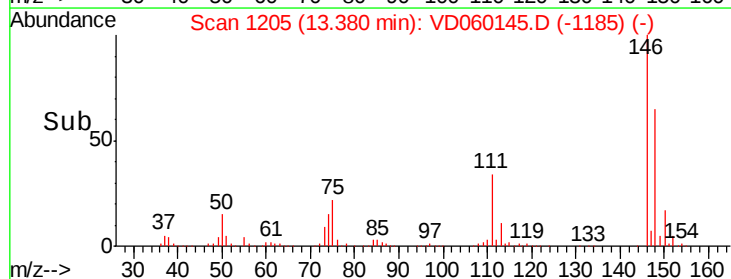
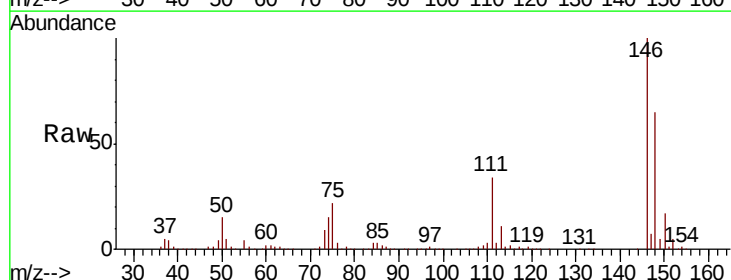
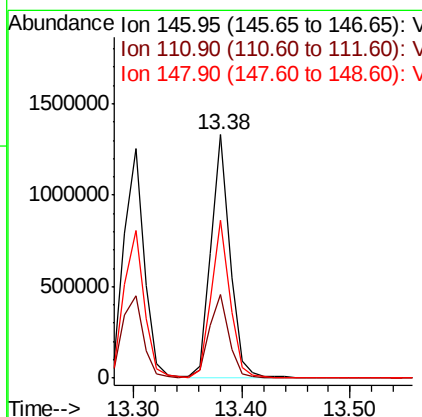
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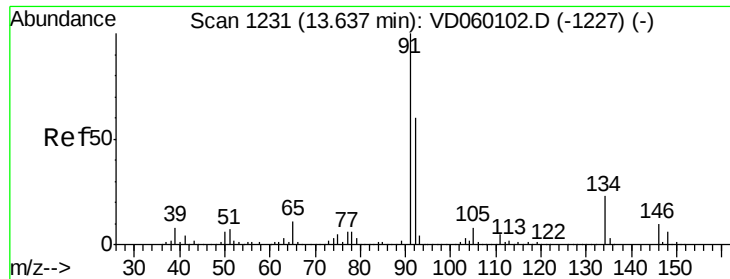
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#88
 1,4-Dichlorobenzene
 Concen: 48.337 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	17.8	53.3
148	65.1	32.4	97.2





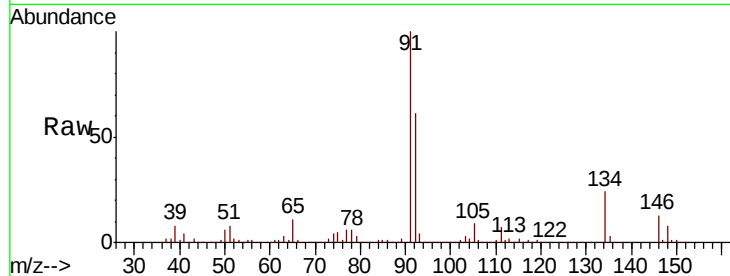
#89
n-Butylbenzene
Concen: 50.270 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

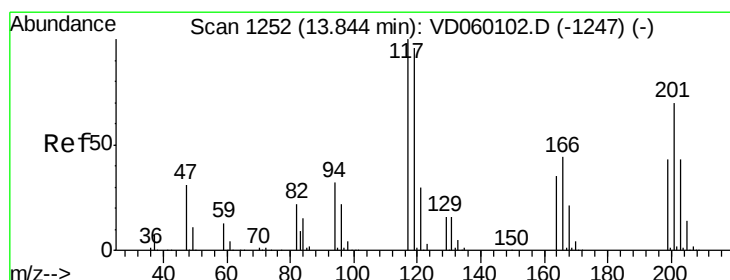
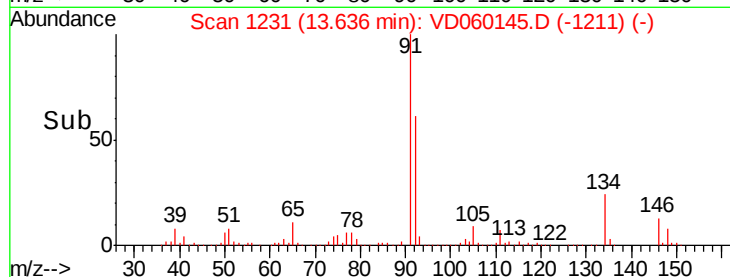
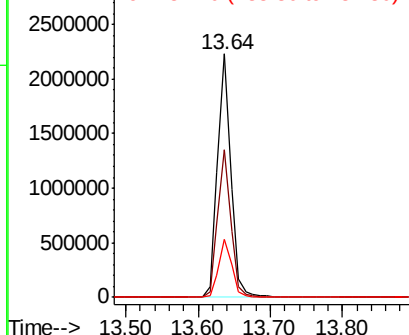
Tot Ion: 91 Resp: 2810869
Ion Ratio Lower Upper
91 100
92 60.8 30.1 90.3
134 24.0 11.6 34.7

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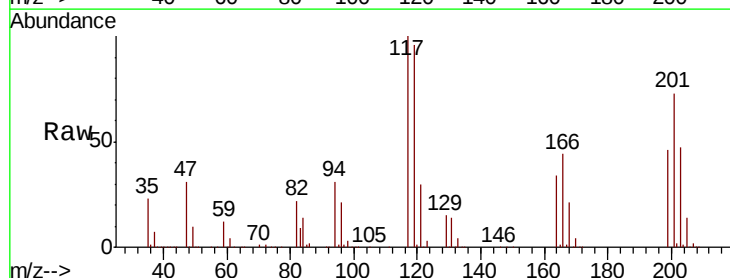


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

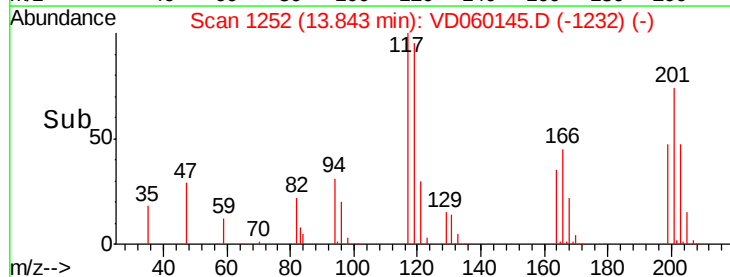
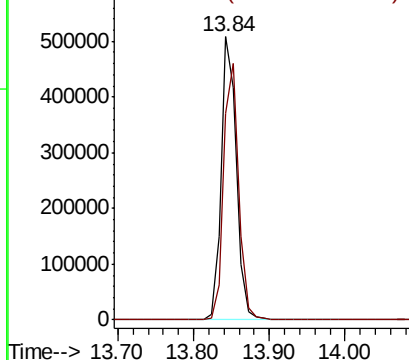


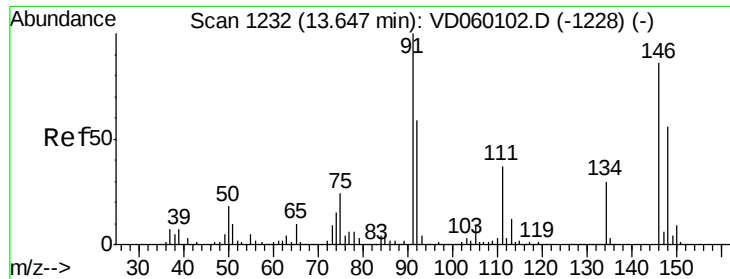
#90
Hexachloroethane
Concen: 54.251 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion: 117 Resp: 719498
Ion Ratio Lower Upper
117 100
201 73.0 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





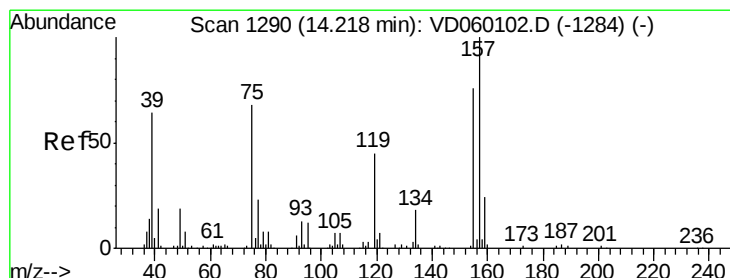
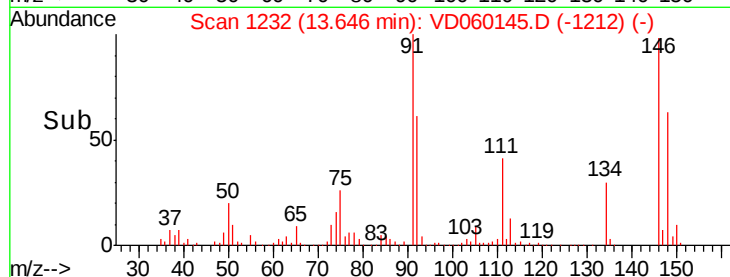
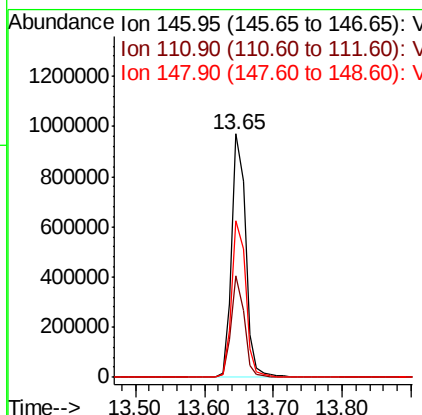
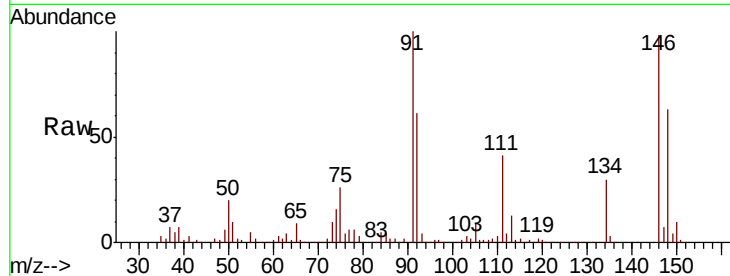
#91
 1,2-Dichlorobenzene
 Concen: 48.278 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1367369
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.4 64.3
 148 64.1 32.2 96.6

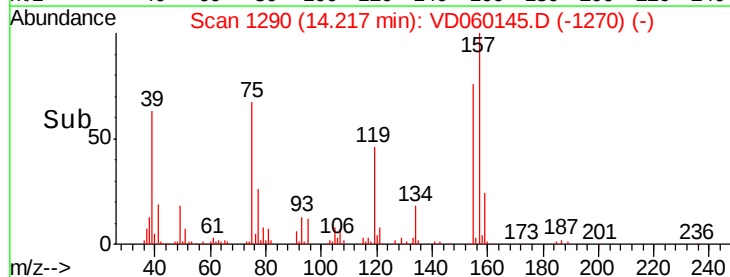
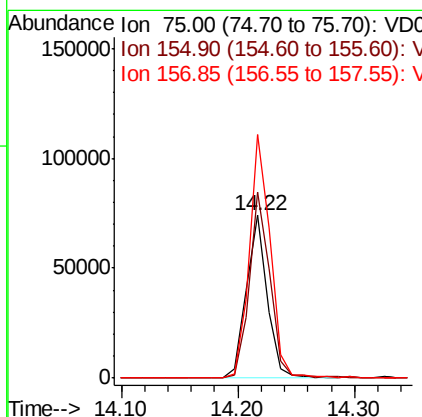
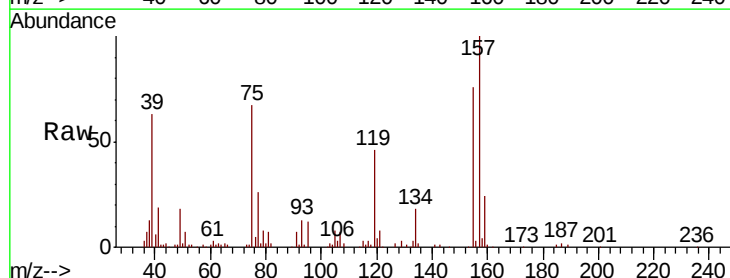
Manual Integrations
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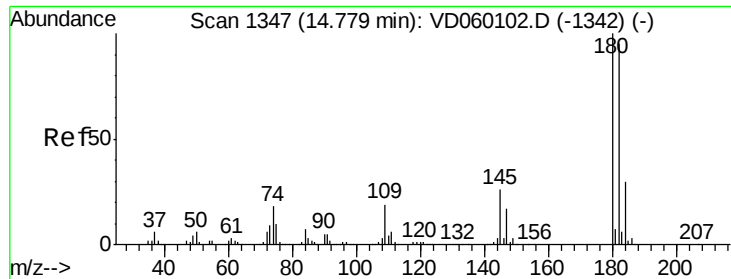
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.735 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion: 75 Resp: 92577
 Ion Ratio Lower Upper
 75 100
 155 114.2 55.9 167.7
 157 149.8 73.3 219.8





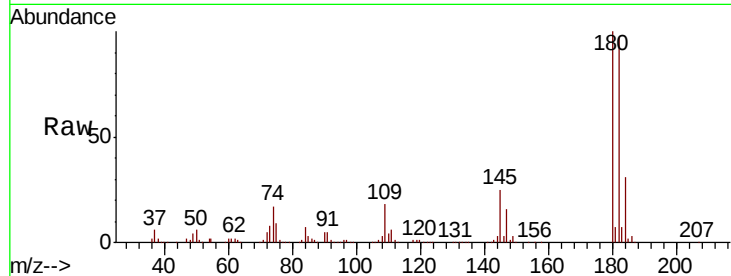
#93
 1,2,4-Trichlorobenzene
 Concen: 48.683 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.8
145	25.0	13.0	38.9

Manual Integrations
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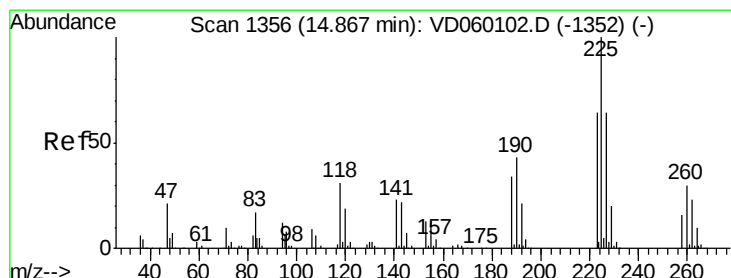
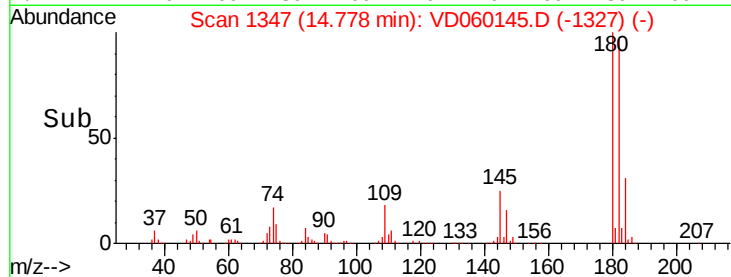
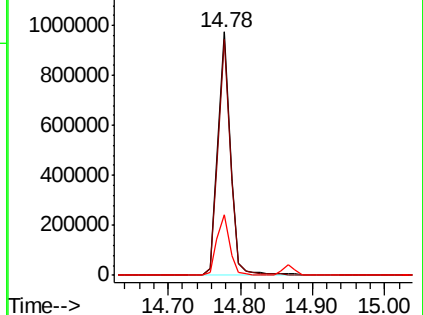


Abundance

Ion 179.85 (179.55 to 180.55): V

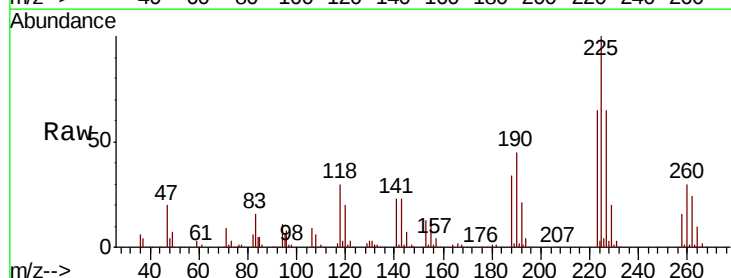
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 51.101 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060145.D
 Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.8	95.4
227	64.8	32.0	96.0

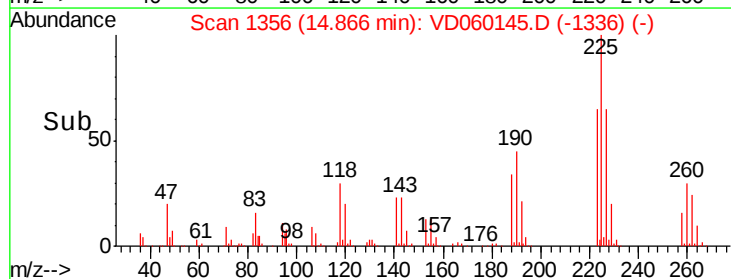
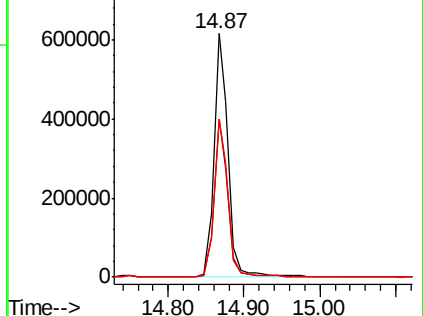


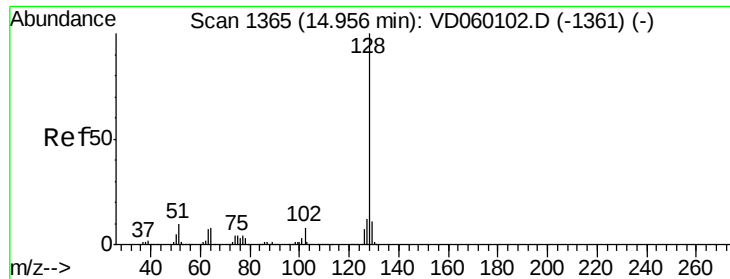
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





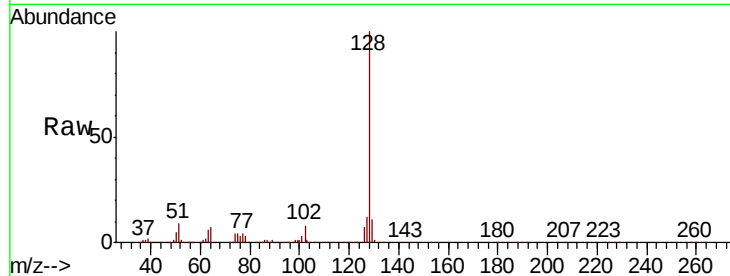
#95
Naphthalene
Concen: 47.179 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

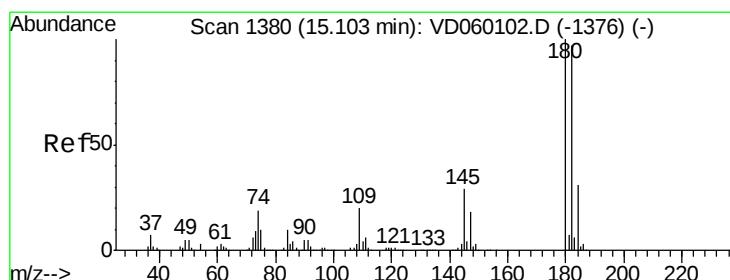
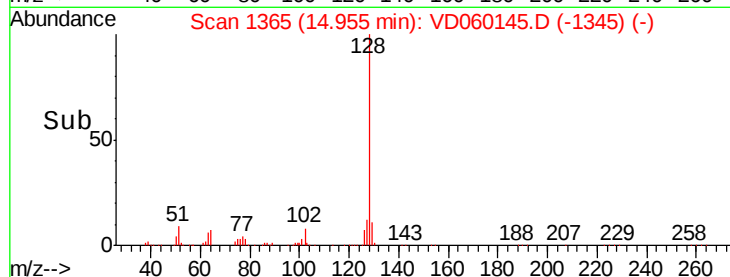
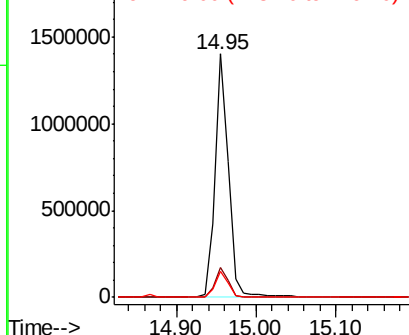
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.9	14.9
129	10.8	8.8	13.2

Manual Integrations
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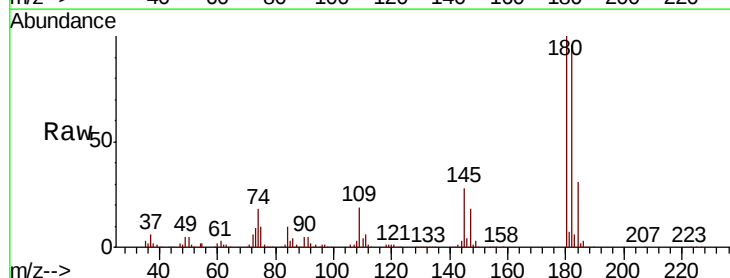


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.307 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060145.D
Acq: 9 Oct 2018 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	27.6	14.5	43.6



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

