

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 25 03:32:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1751964	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2485695	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1980818	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1015717	50.00	ug/l	0.01

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

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

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1395881	51.722	ug/l	97
40) Benzene	6.80	78	3161692	50.879	ug/l	99
41) Methacrylonitrile	5.94	41	921566	103.413	ug/l #	95
42) 1,2-Dichloroethane	6.90	62	940860	52.810	ug/l	99
43) Isopropyl Acetate	8.34	43	1061009	51.152	ug/l #	98
44) Trichloroethene	7.74	130	973101	50.587	ug/l	99
45) 1,2-Dichloropropane	8.10	63	875964	53.835	ug/l	99
46) Dibromomethane	8.22	93	551669	52.368	ug/l	97
47) Bromodichloromethane	8.49	83	1240714	55.276	ug/l	100
48) Methyl methacrylate	8.25	41	633287	53.600	ug/l	99
49) 1,4-Dioxane	8.23	88	122360	1052.545	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3367033	257.363	ug/l	99
52) Toluene	9.54	92	2085499	52.110	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1108586	54.584	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1358754	54.177	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	684278	52.301	ug/l	99
56) Ethyl methacrylate	10.03	69	756603	52.388	ug/l	93
57) 1,3-Dichloropropane	10.38	76	1018493	51.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	1962492	244.701	ug/l	100
59) 2-Hexanone	10.49	43	2558187	271.928	ug/l	97
60) Dibromochloromethane	10.64	129	885805	55.181	ug/l	96
61) 1,2-Dibromoethane	10.75	107	731950	52.652	ug/l	100
64) Tetrachloroethene	10.25	164	903634	52.085	ug/l	97
65) Chlorobenzene	11.32	112	2223922	51.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	760015	53.164	ug/l	99
67) Ethyl Benzene	11.42	91	3582648	51.602	ug/l	100
68) m/p-Xylenes	11.56	106	2742885	105.735	ug/l	98
69) o-Xylene	11.94	106	1390042	54.173	ug/l	99
70) Styrene	11.96	104	2296127	53.510	ug/l	100
71) Bromoform	12.11	173	652414	56.360	ug/l	98
73) Isopropylbenzene	12.28	105	3761084	56.128	ug/l	100
74) N-amyl acetate	12.13	43	1353803	55.157	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	775666	53.022	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	811277	55.462	ug/l	99
77) Bromobenzene	12.54	156	1051680	54.009	ug/l	99
78) n-propylbenzene	12.63	91	4691793	56.388	ug/l	100
79) 2-Chlorotoluene	12.70	91	2513642	54.432	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2849247	54.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	240102	58.417	ug/l	99
82) 4-Chlorotoluene	12.81	91	2828450	54.152	ug/l	99
83) tert-Butylbenzene	13.05	119	3318153	55.755	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2890514	52.883	ug/l	99
85) sec-Butylbenzene	13.22	105	3943731	56.045	ug/l	99
86) p-Isopropyltoluene	13.34	119	3049657	52.839	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1769296	52.152	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1704476	50.019	ug/l	100
89) n-Butylbenzene	13.65	91	3031879	53.836	ug/l	98
90) Hexachloroethane	13.85	117	824415	61.720	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	1490635	52.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	110435	56.538	ug/l	89

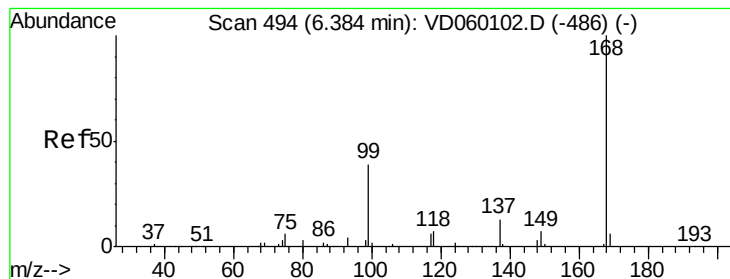
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
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Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

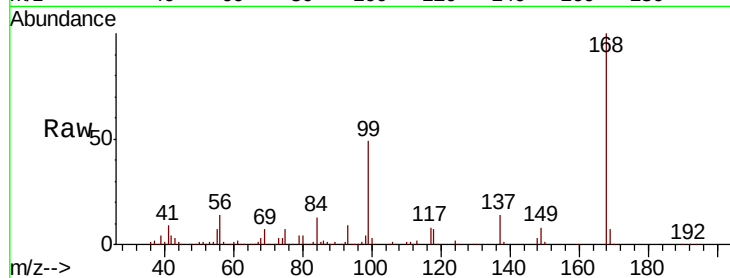
VSTDCCC050

Tot Ion:168 Resp: 1751964

Ion Ratio Lower Upper

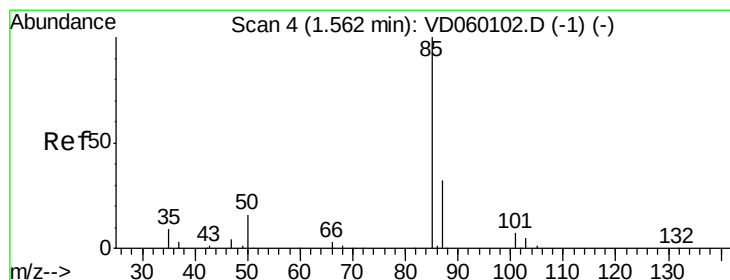
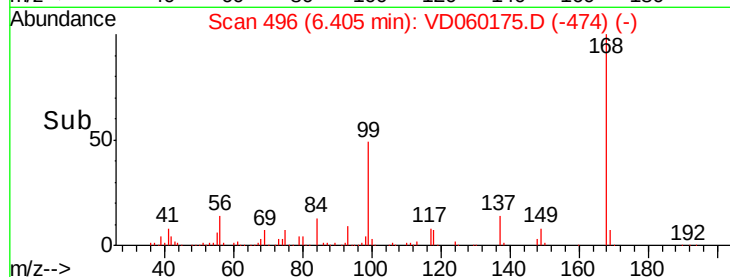
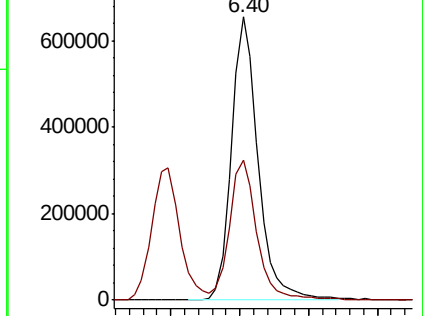
168 100

99 49.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.227 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060175.D

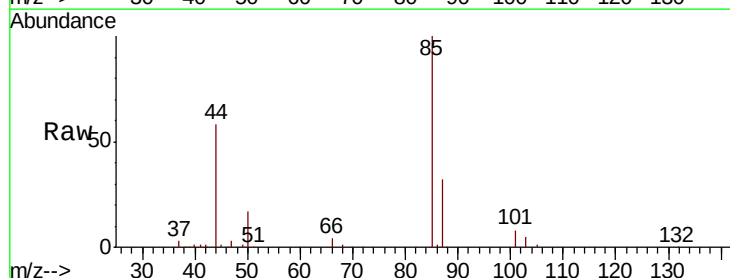
Acq: 24 Oct 2018 11:38

Tgt Ion: 85 Resp: 844230

Ion Ratio Lower Upper

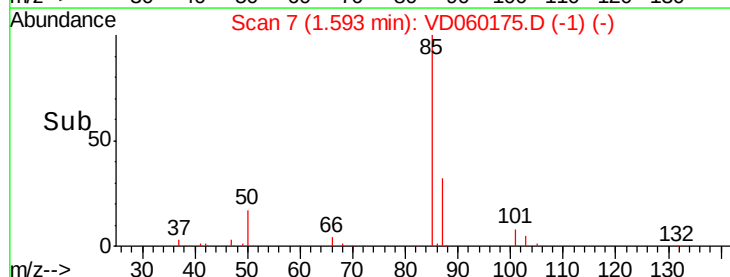
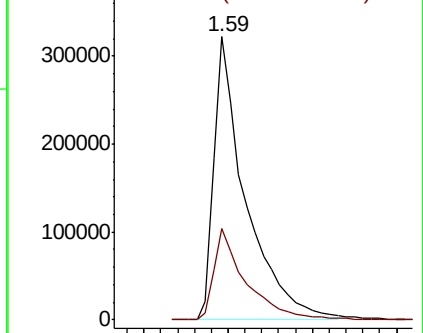
85 100

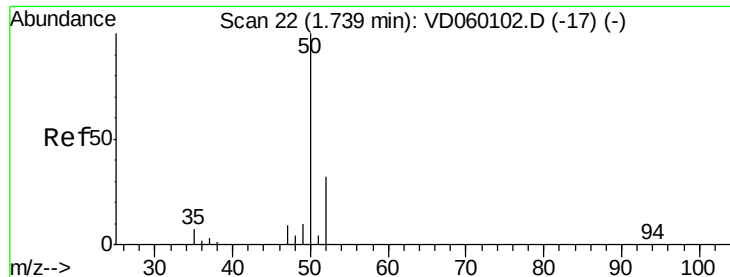
87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.785 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

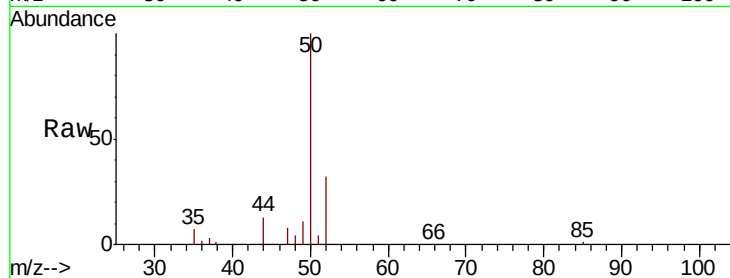
VSTDCCC050

Tot Ion: 50 Resp: 828988

Ion Ratio Lower Upper

50 100

52 32.3 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

300000

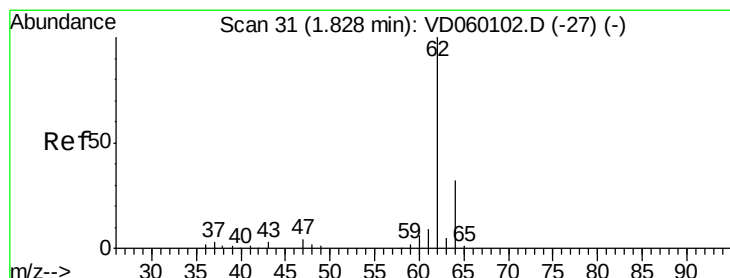
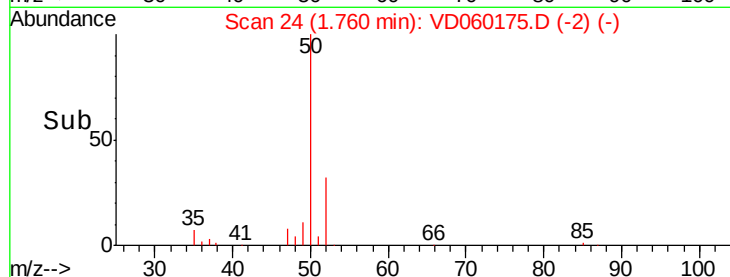
200000

100000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 57.384 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060175.D

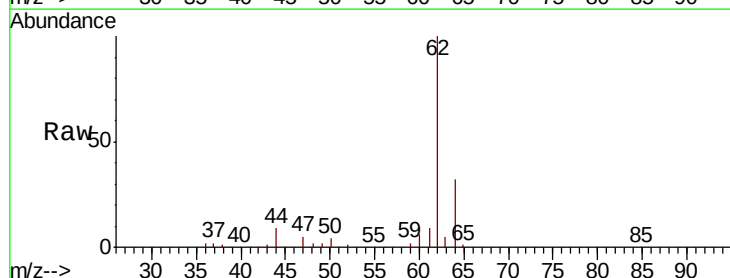
Acq: 24 Oct 2018 11:38

Tgt Ion: 62 Resp: 697877

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

300000

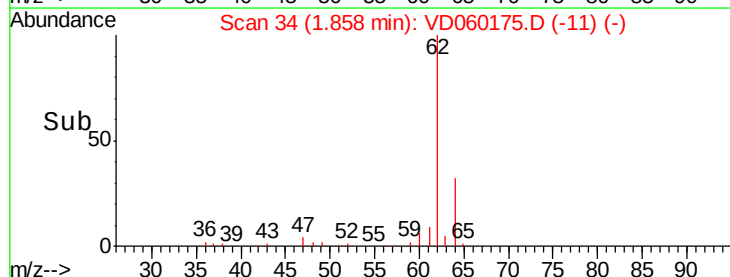
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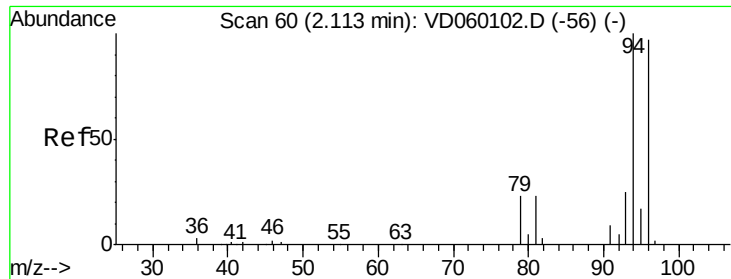
100000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 69.518 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

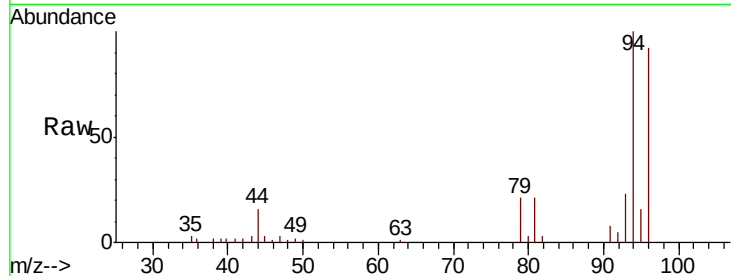
VSTDCCC050

Tot Ion: 94 Resp: 106157

Ion Ratio Lower Upper

94 100

96 92.3 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

40000

30000

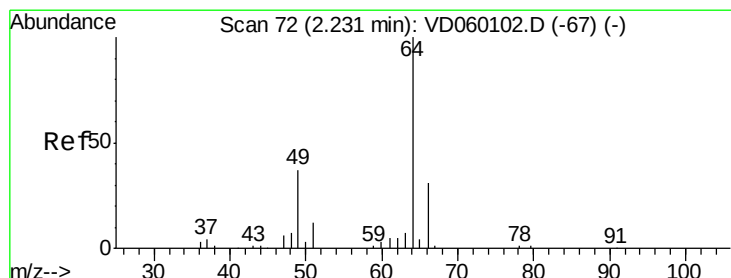
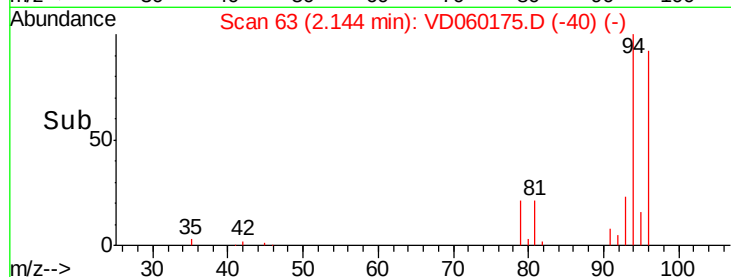
20000

10000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 59.482 ug/l

RT: 2.26 min Scan# 75

Delta R.T. 0.03 min

Lab File: VD060175.D

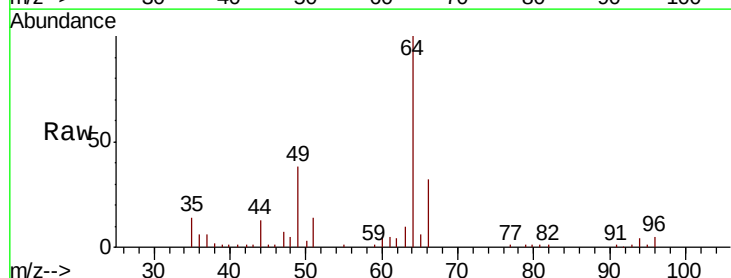
Acq: 24 Oct 2018 11:38

Tgt Ion: 64 Resp: 197405

Ion Ratio Lower Upper

64 100

66 32.1 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

80000

60000

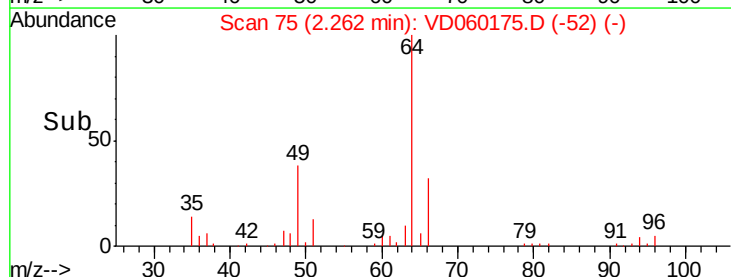
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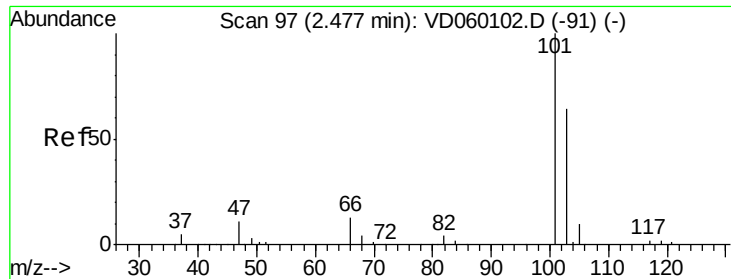
20000

0

Time-->

2.20 2.30 2.40



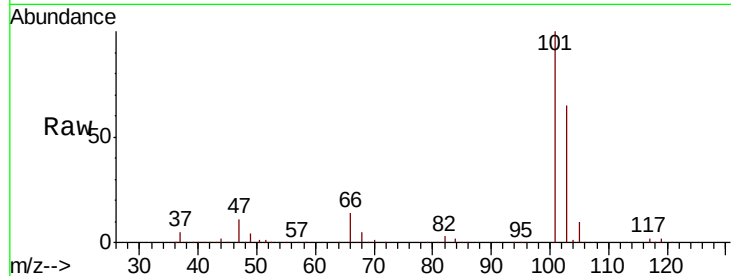


#7

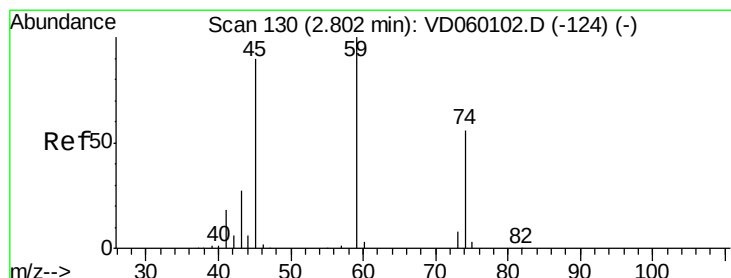
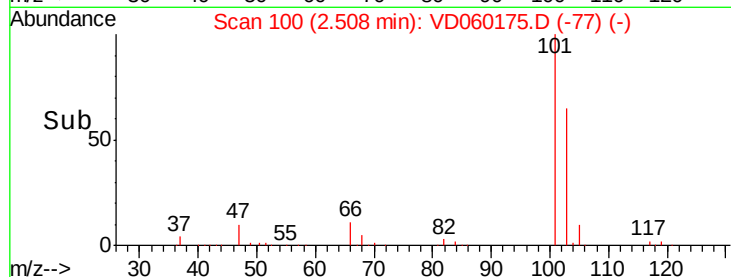
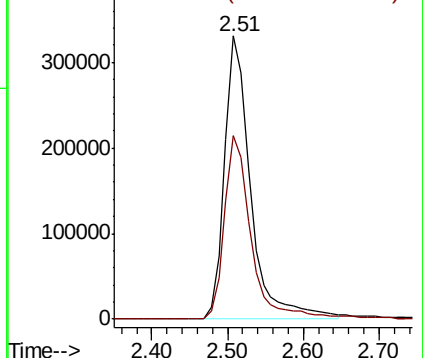
Trichlorofluoromethane
 Concen: 54.494 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
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 VSTDCCC050

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



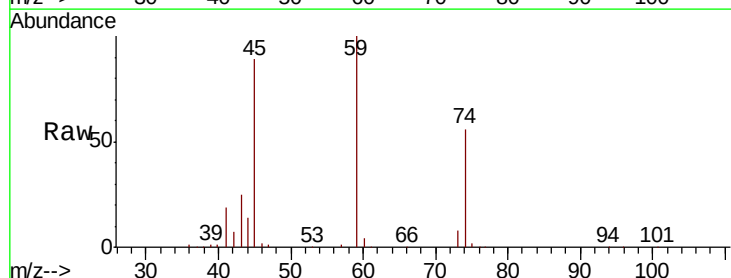
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



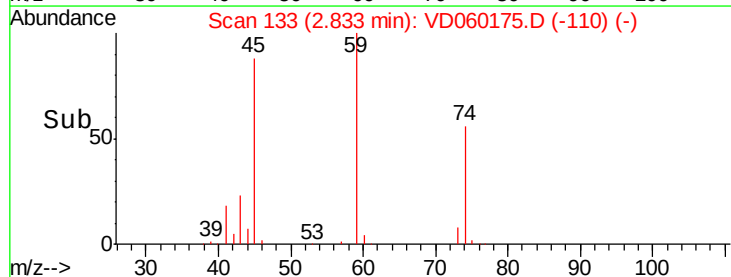
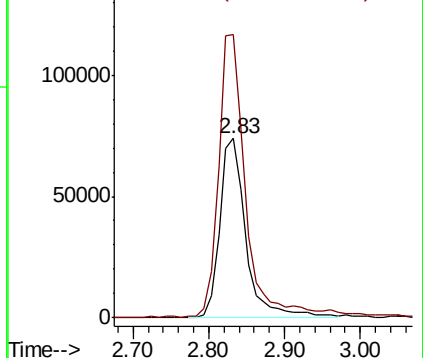
#8

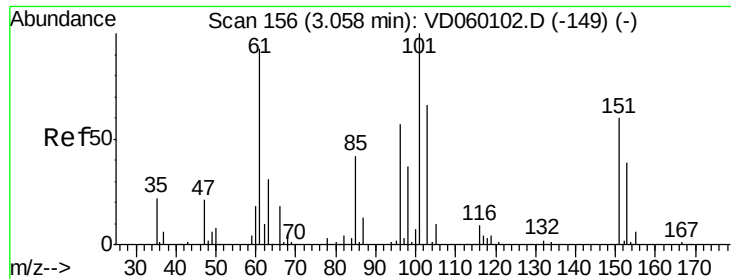
Diethyl Ether
 Concen: 59.427 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

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



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.728 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

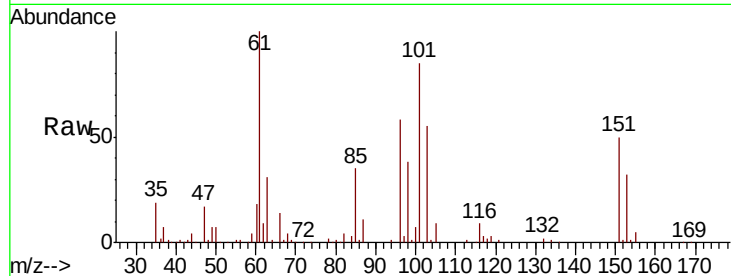
Tot Ion:101 Resp: 532764

Ion Ratio Lower Upper

101 100

85 41.3 33.4 50.0

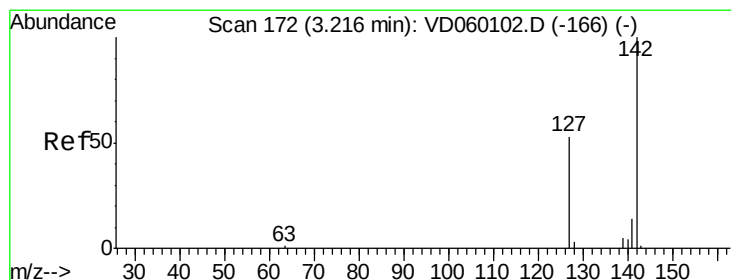
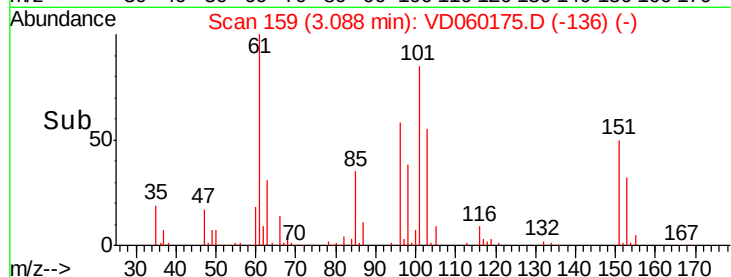
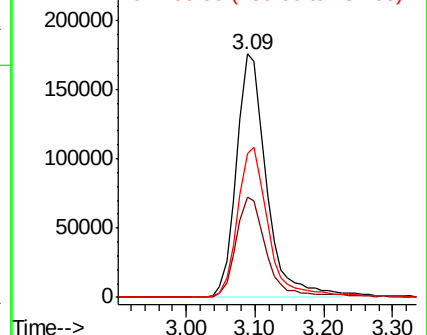
151 58.8 48.0 72.0



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: 57.463 ug/l

RT: 3.25 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

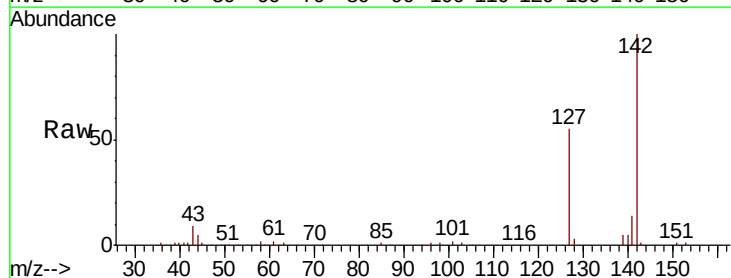
Tgt Ion:142 Resp: 552820

Ion Ratio Lower Upper

142 100

127 55.2 42.0 63.0

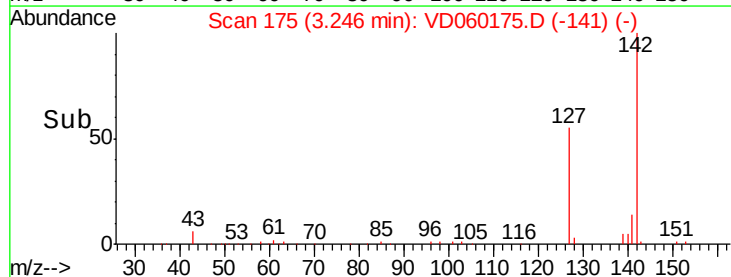
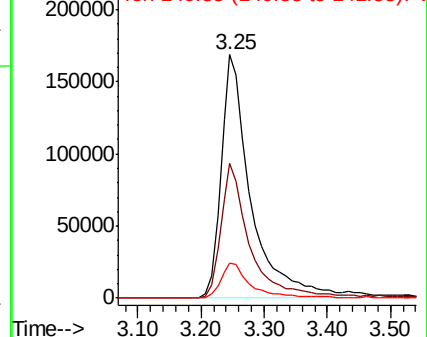
141 14.1 11.4 17.0

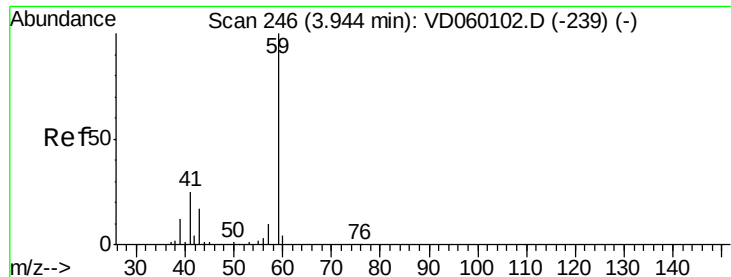


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



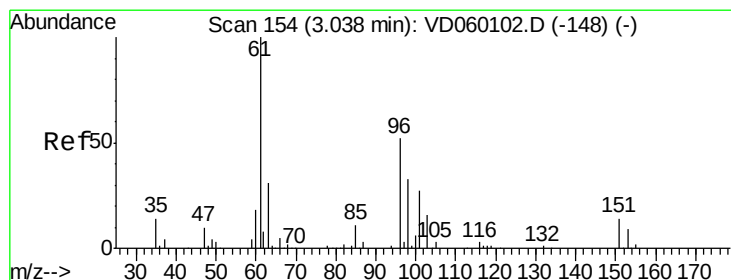
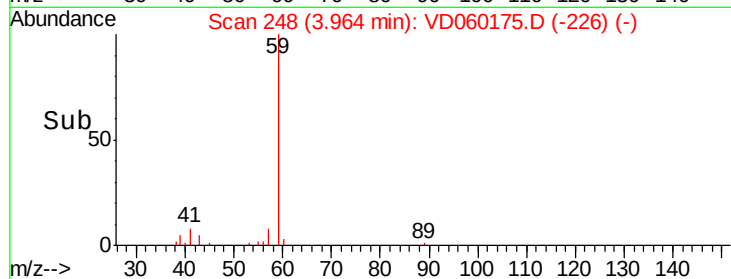
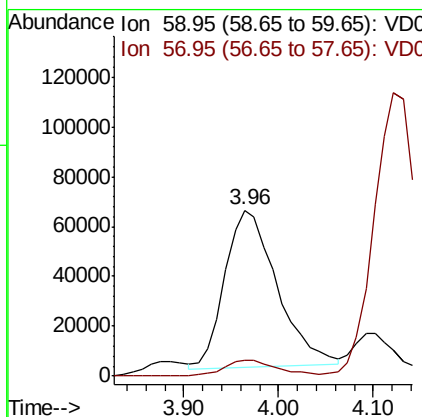
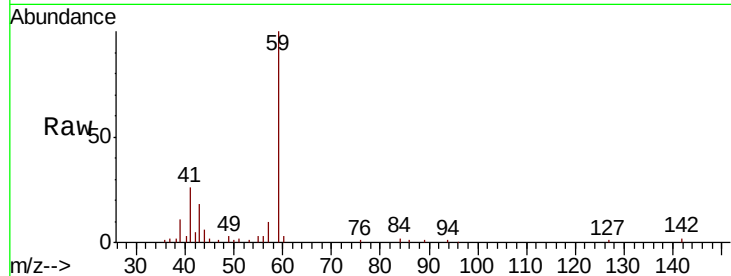


#11

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

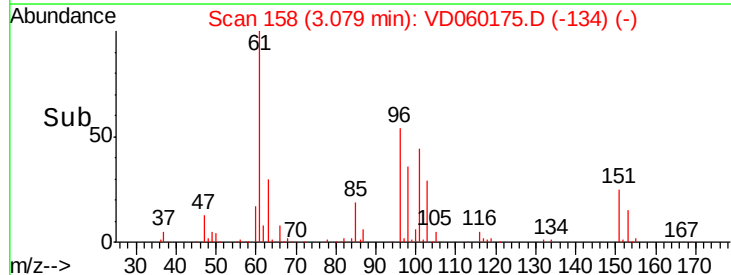
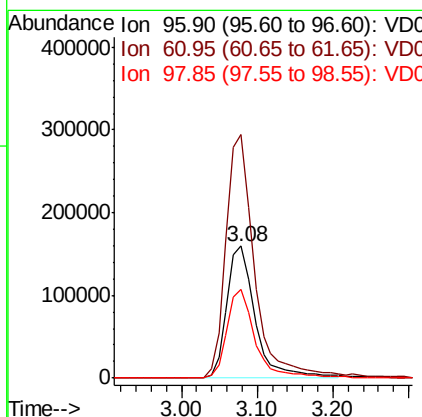
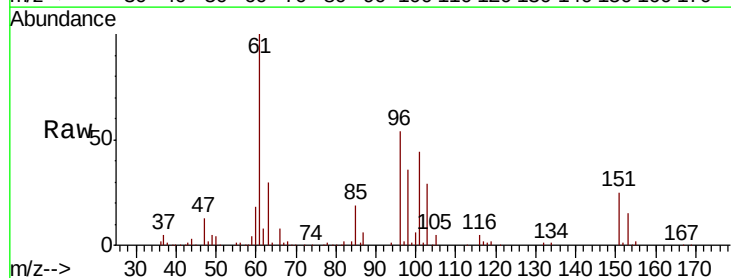
Tot Ion: 59 Resp: 240903
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.8 11.6

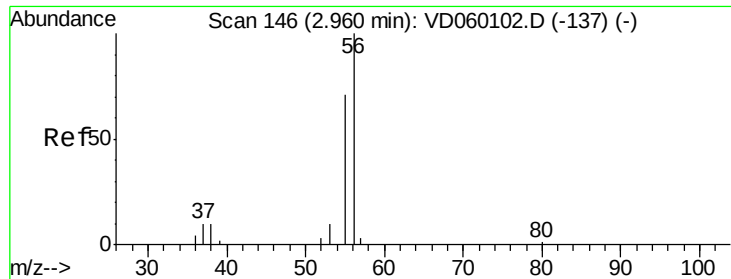


#12

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

Tgt Ion: 96 Resp: 416371
 Ion Ratio Lower Upper
 96 100
 61 184.6 153.0 229.4
 98 67.1 51.1 76.7





#13

Acrolein

Concen: 237.833 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

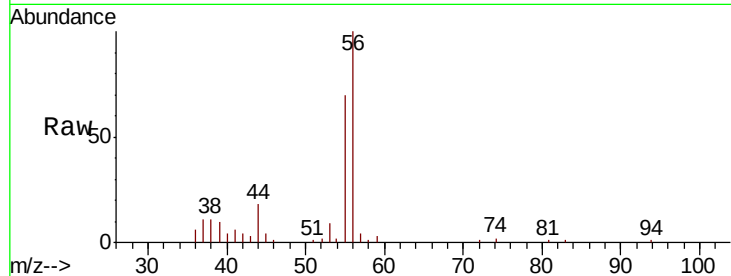
VSTDCCC050

Tot Ion: 56 Resp: 139638

Ion Ratio Lower Upper

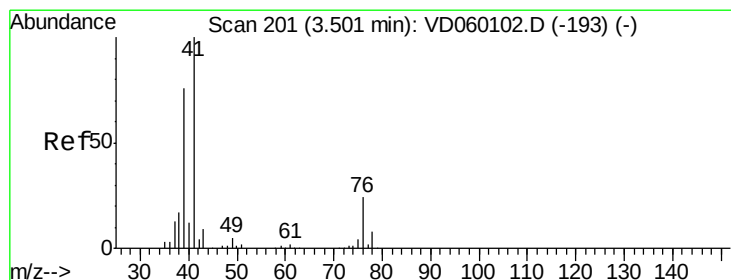
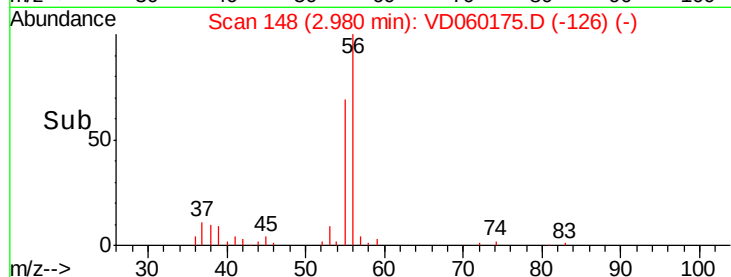
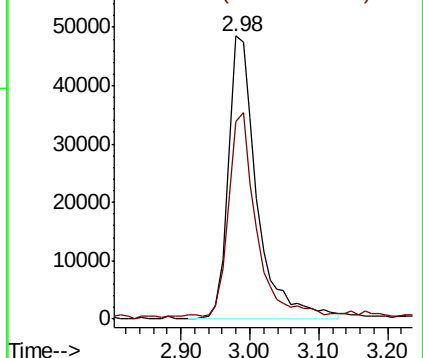
56 100

55 69.7 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.100 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

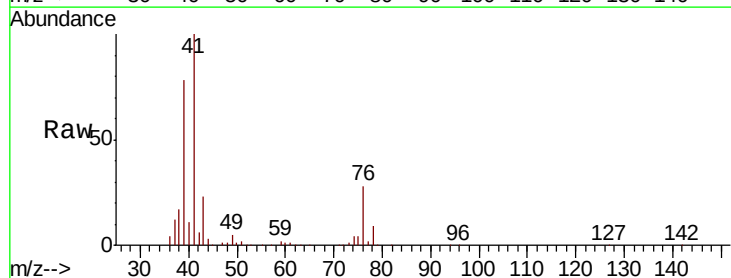
Tgt Ion: 41 Resp: 862380

Ion Ratio Lower Upper

41 100

39 77.7 60.6 90.8

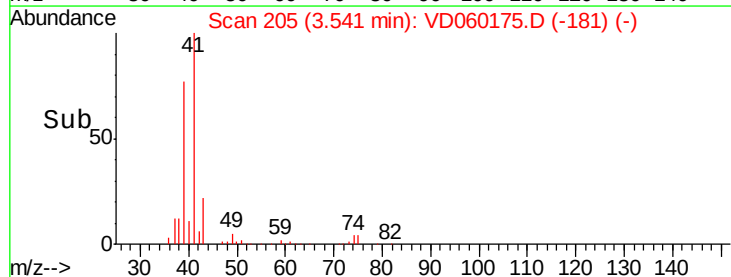
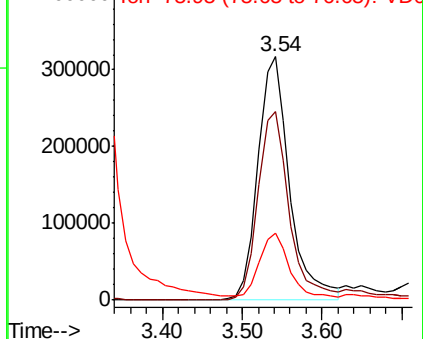
76 27.7 21.3 31.9

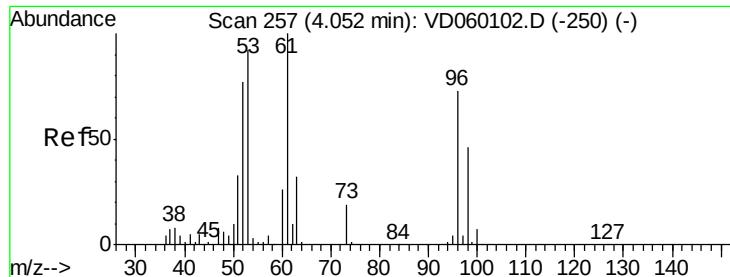


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.561 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

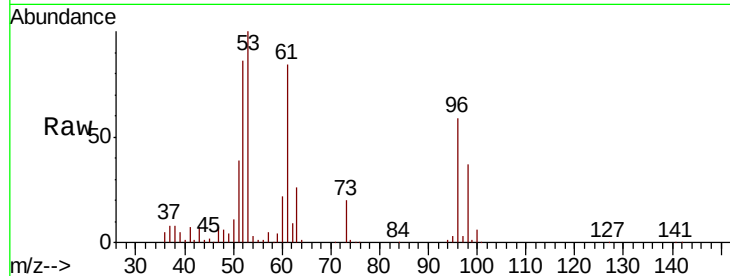
Tot Ion: 53 Resp: 1054790

Ion Ratio Lower Upper

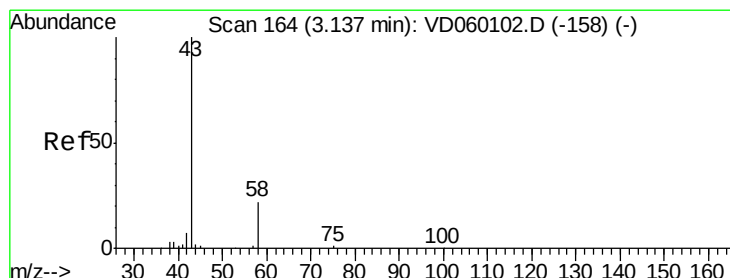
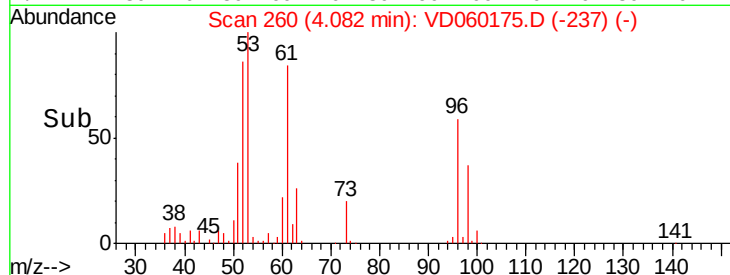
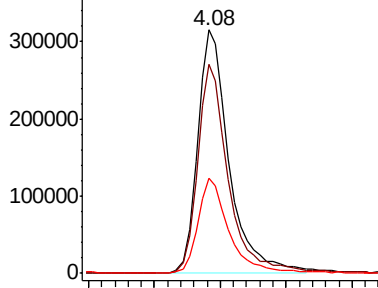
53 100

52 85.8 67.5 101.3

51 39.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 297.728 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060175.D

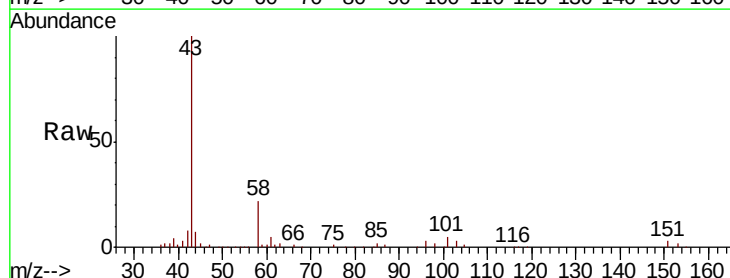
Acq: 24 Oct 2018 11:38

Tgt Ion: 43 Resp: 717443

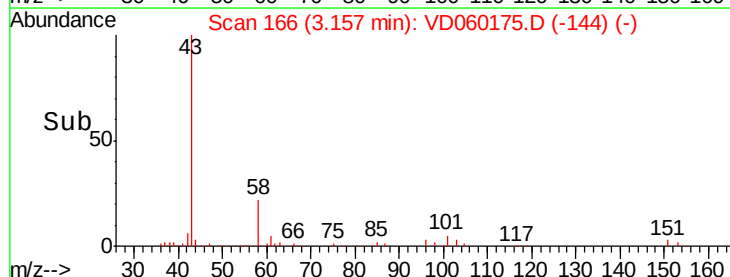
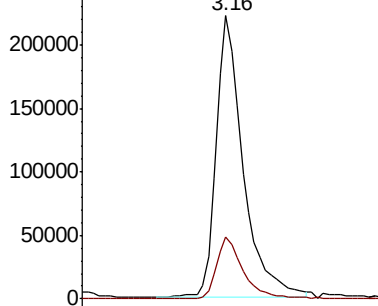
Ion Ratio Lower Upper

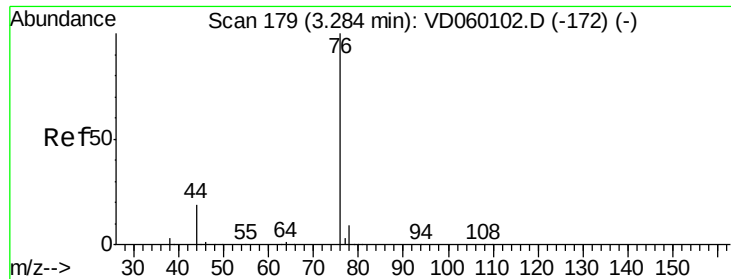
43 100

58 21.8 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

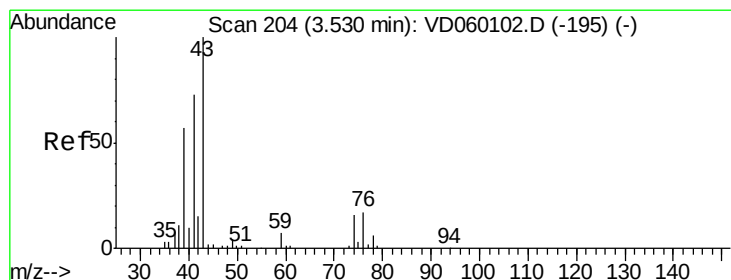
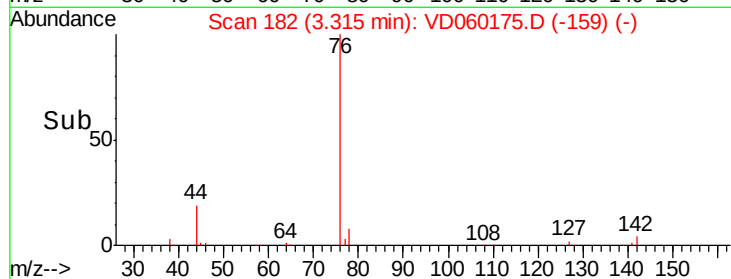
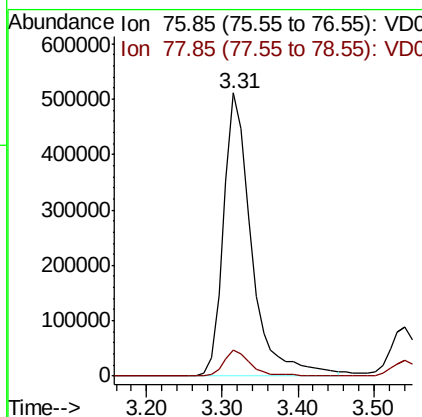
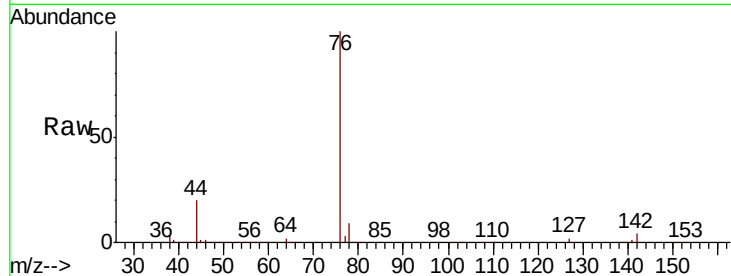




#17
Carbon Disulfide
Concen: 54.526 ug/l
RT: 3.31 min Scan# 182
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

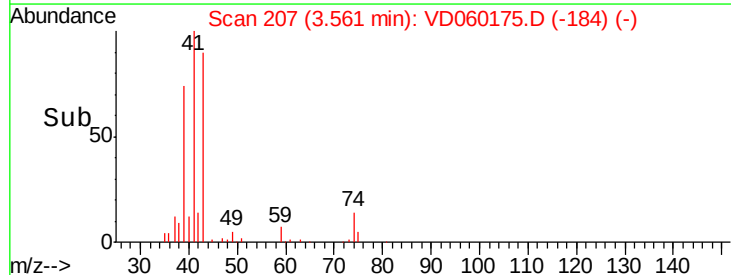
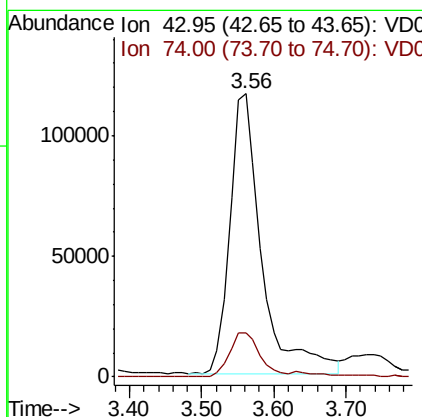
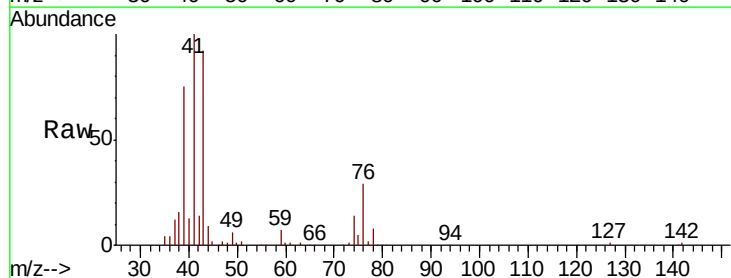
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

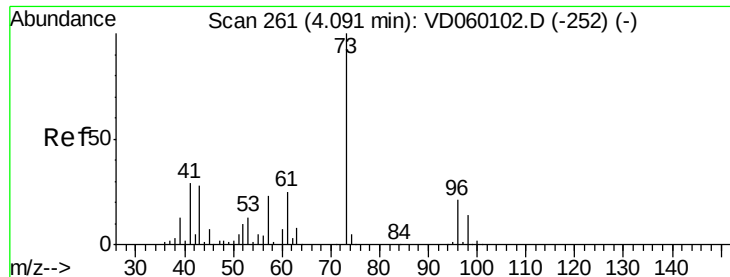
Tot Ion: 76 Resp: 1310425
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



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

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



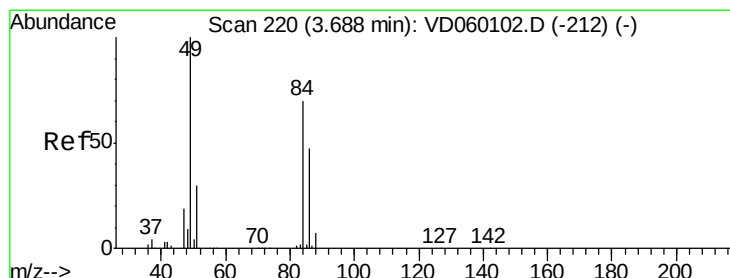
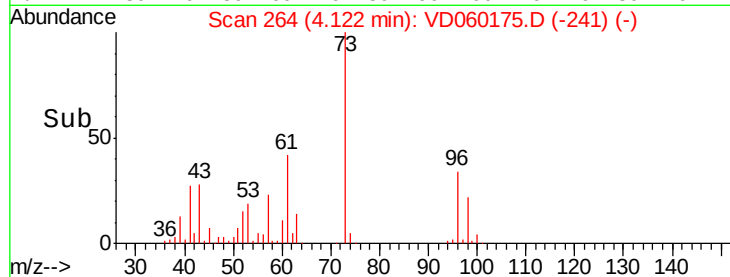
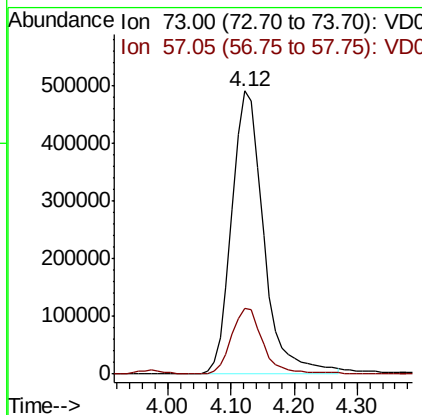
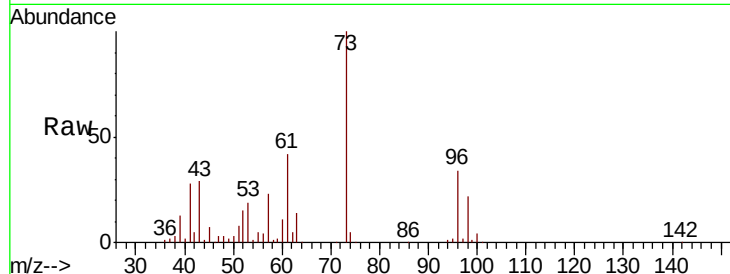


#19

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

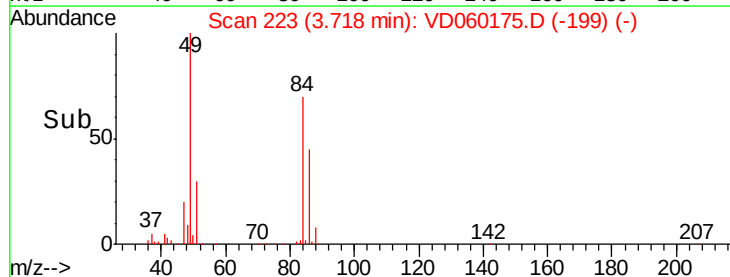
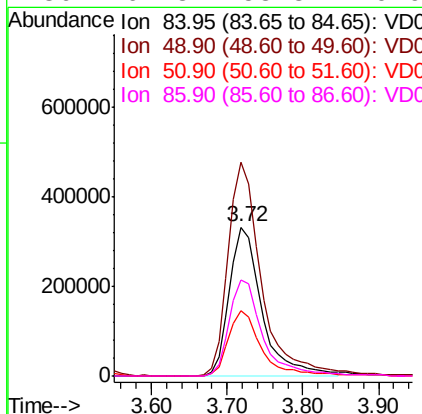
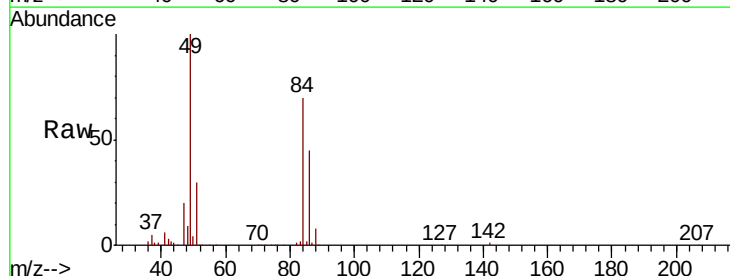
Tot Ion: 73 Resp: 1730620
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.7 28.1

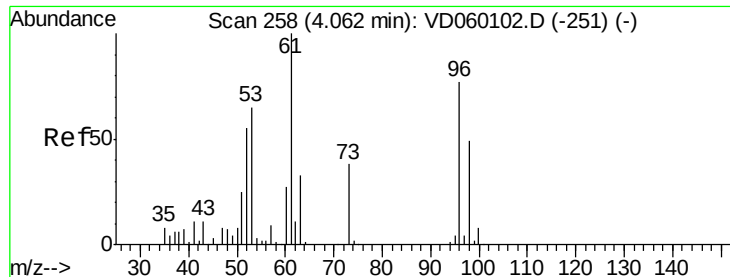


#20

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

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





#21

trans-1,2-Dichloroethene

Concen: 52.876 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

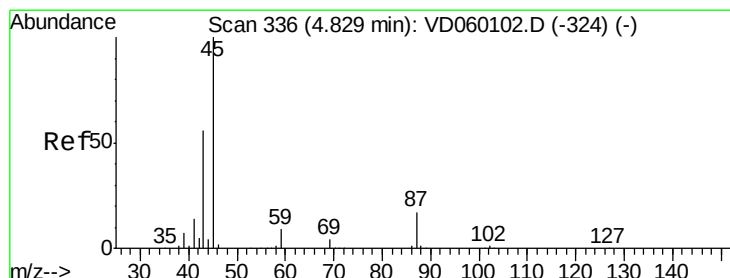
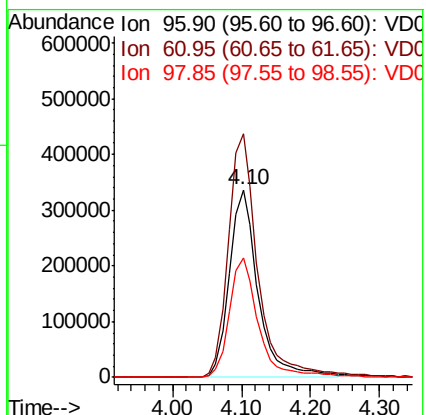
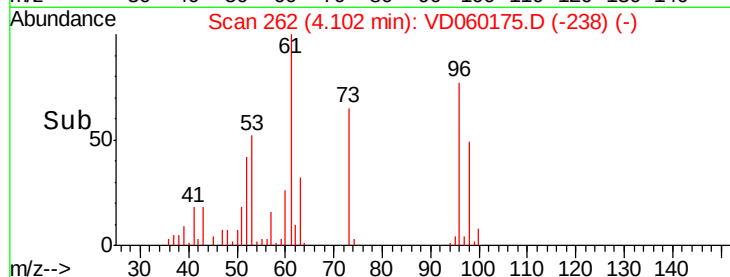
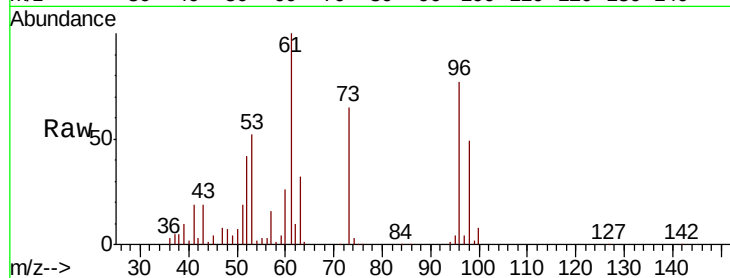
Tot Ion: 96 Resp: 975967

Ion Ratio Lower Upper

96 100

61 129.7 103.3 154.9

98 63.5 50.4 75.6



#22

Diisopropyl ether

Concen: 53.901 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion: 45 Resp: 3573035

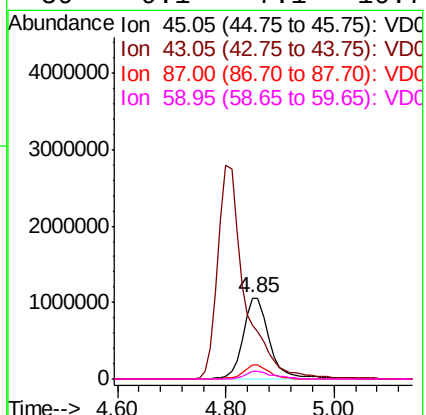
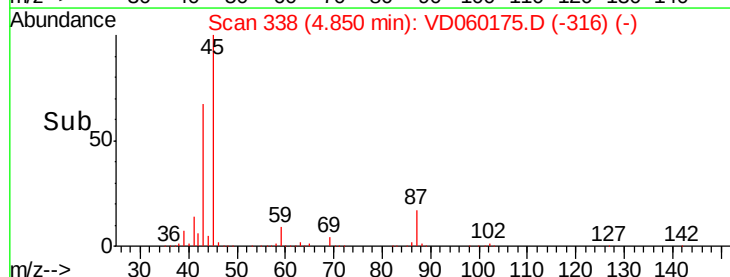
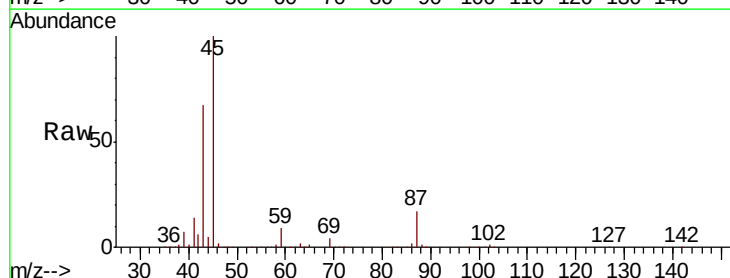
Ion Ratio Lower Upper

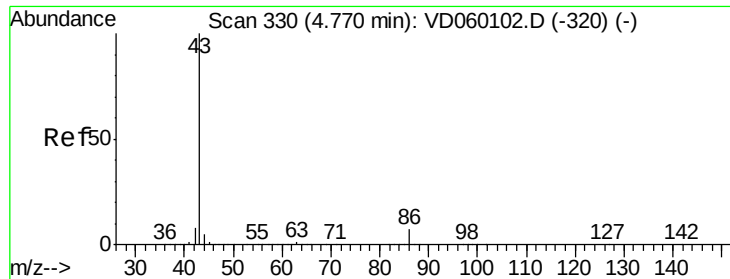
45 100

43 66.7 44.8 67.2

87 17.1 13.9 20.9

59 9.1 7.1 10.7

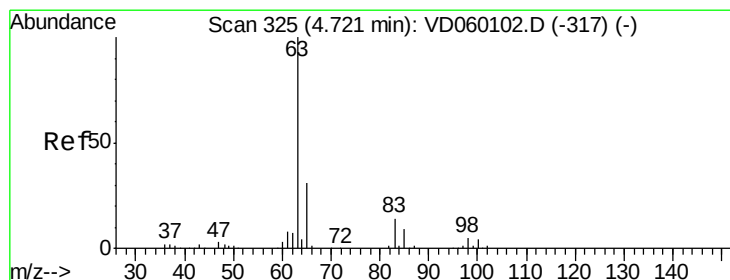
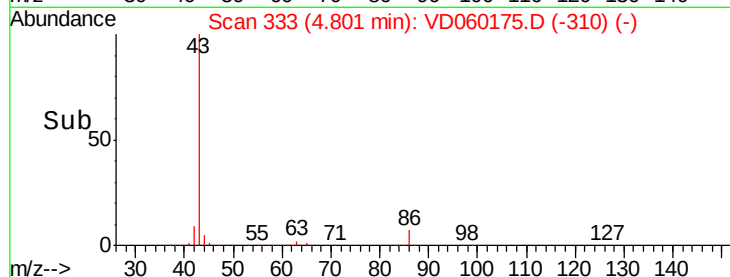
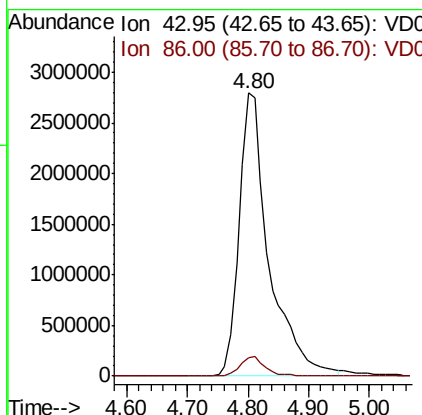
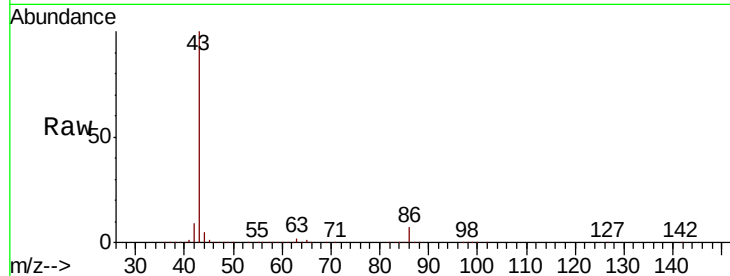




#23
 Vinyl Acetate
 Concen: 256.373 ug/l
 RT: 4.80 min Scan# 333
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

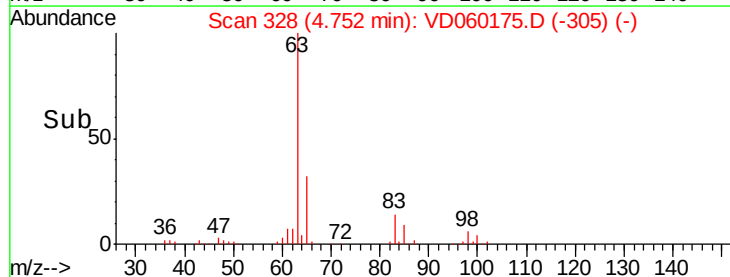
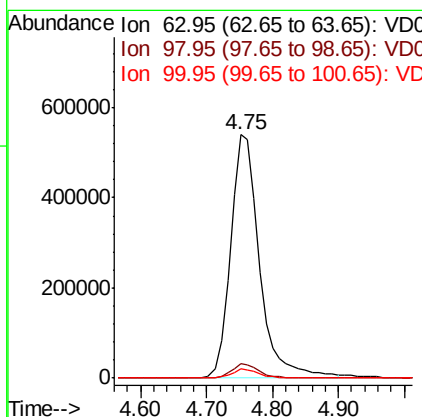
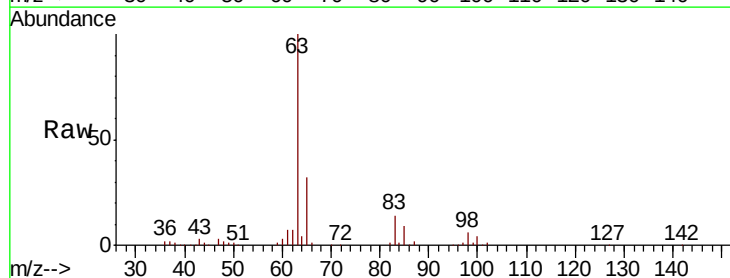
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

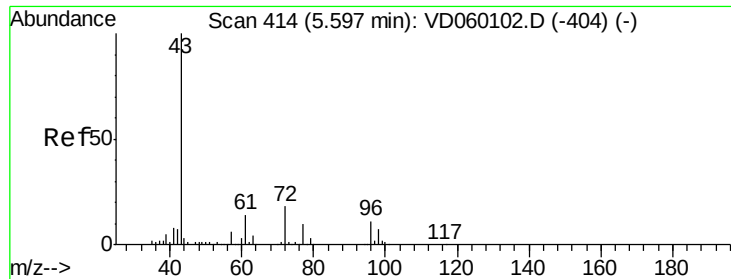
Tot Ion: 43 Resp: 9552678
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 55.349 ug/l
 RT: 4.75 min Scan# 328
 Delta R.T. 0.03 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 63 Resp: 1663546
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.3
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 273.452 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

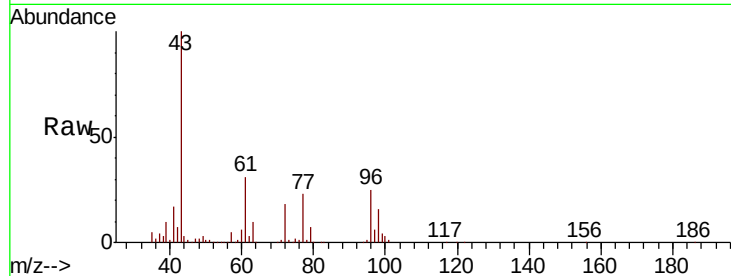
VSTDCCC050

Tot Ion: 43 Resp: 1646211

Ion Ratio Lower Upper

43 100

72 17.7 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

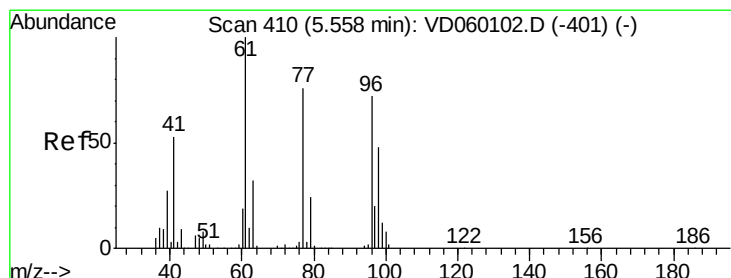
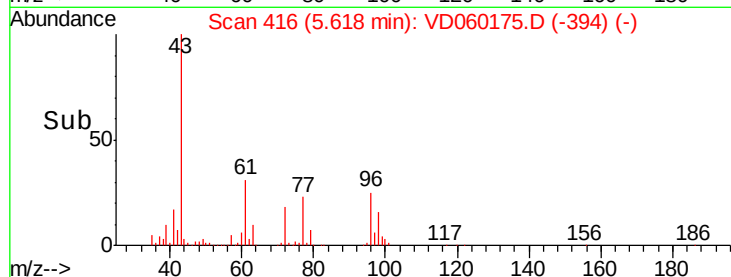
400000

200000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 58.967 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060175.D

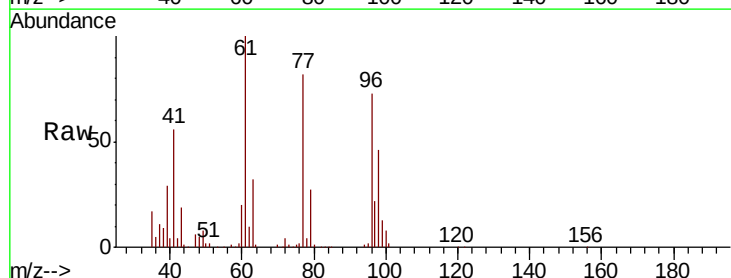
Acq: 24 Oct 2018 11:38

Tgt Ion: 77 Resp: 1343547

Ion Ratio Lower Upper

77 100

97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

500000

400000

300000

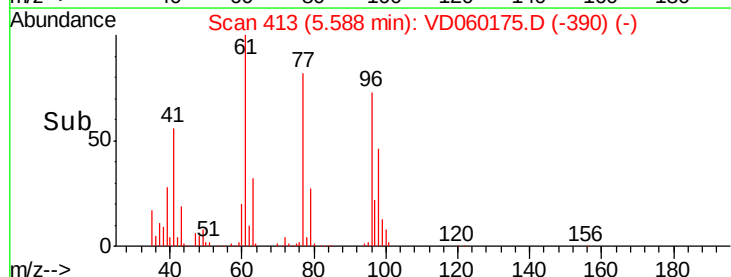
200000

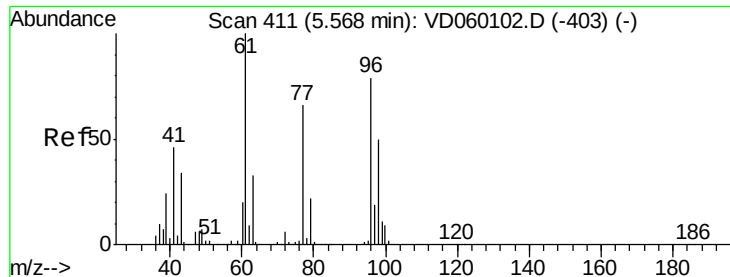
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->



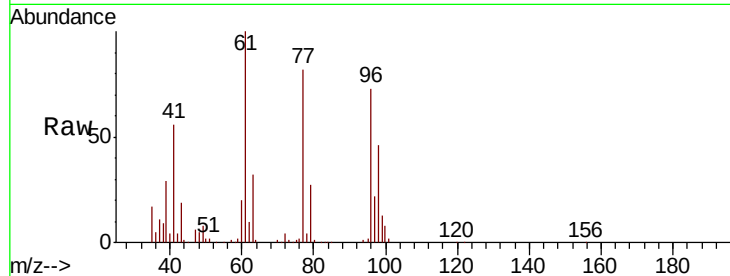


#27

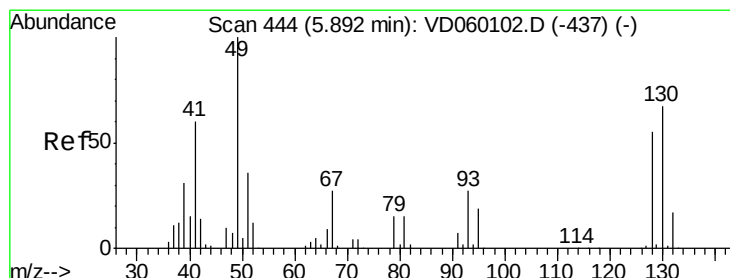
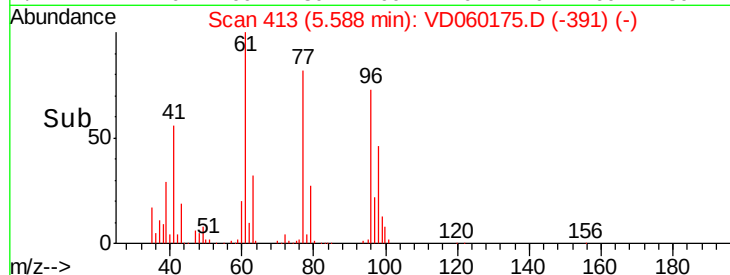
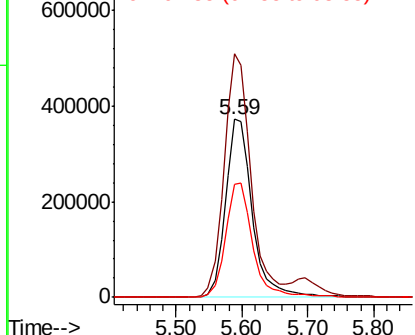
cis-1,2-Dichloroethene
Concen: 54.437 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 1064567
Ion Ratio Lower Upper
96 100
61 136.9 0.0 251.8
98 63.6 0.0 125.2



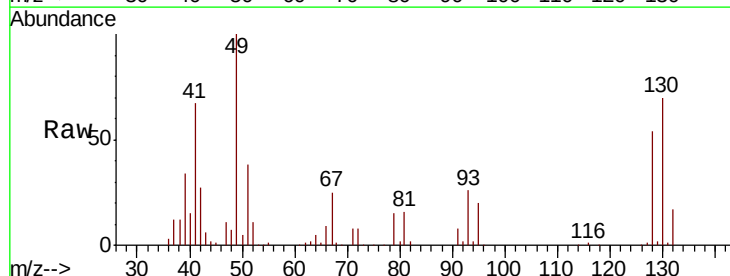
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



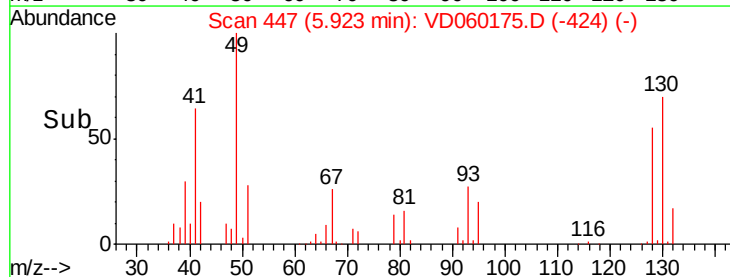
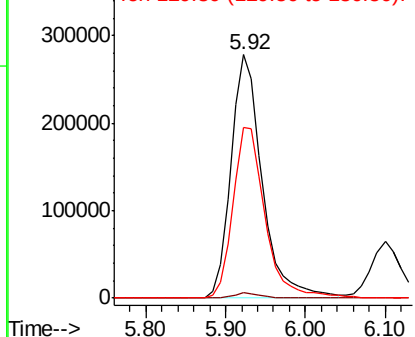
#28

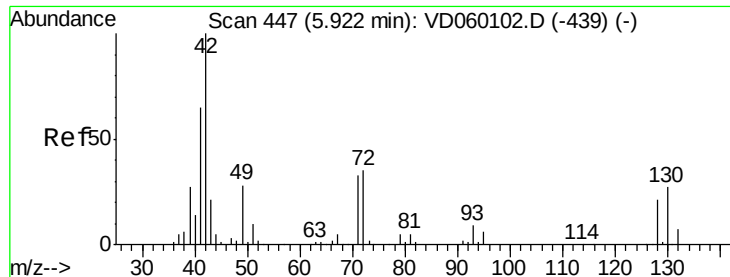
Bromochloromethane
Concen: 51.898 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 49 Resp: 757990
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.6
130 70.0 53.9 80.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 262.186 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

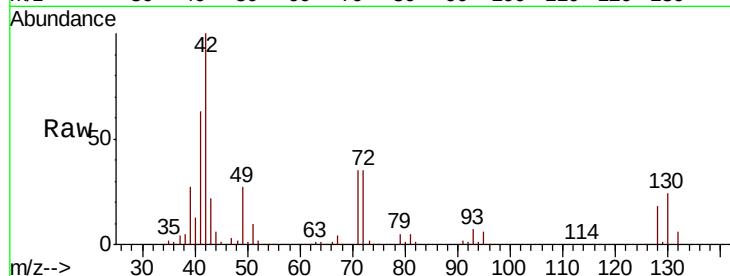
Tot Ion: 42 Resp: 916805

Ion Ratio Lower Upper

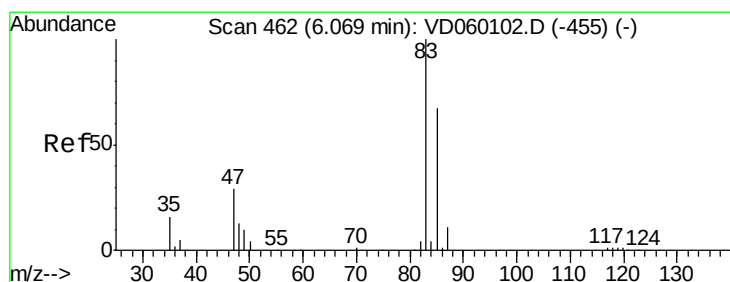
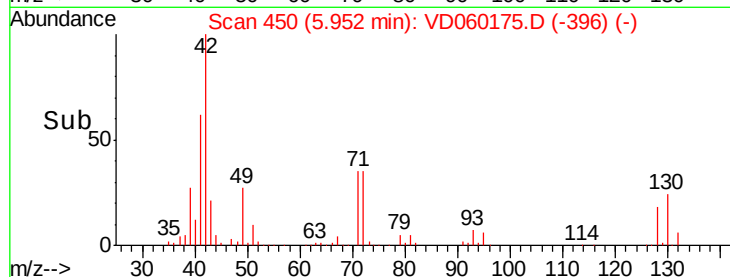
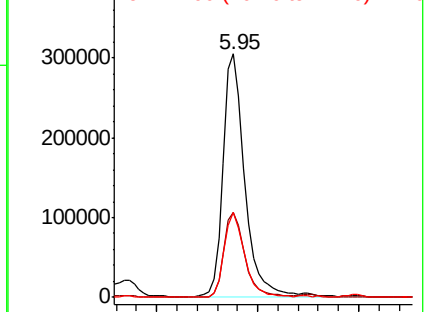
42 100

72 33.5 26.9 40.3

71 32.6 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 54.932 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060175.D

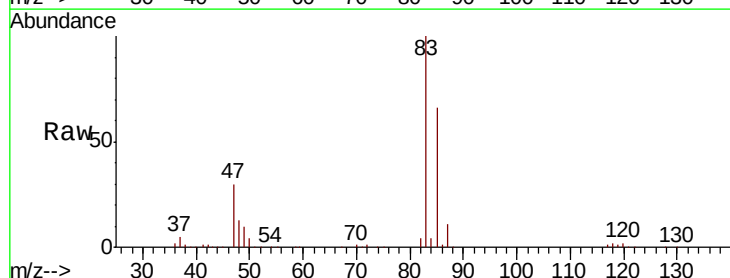
Acq: 24 Oct 2018 11:38

Tgt Ion: 83 Resp: 1670087

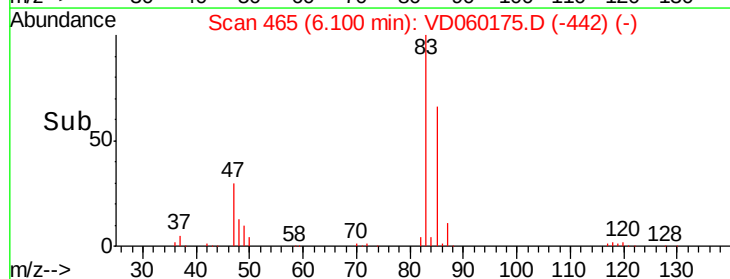
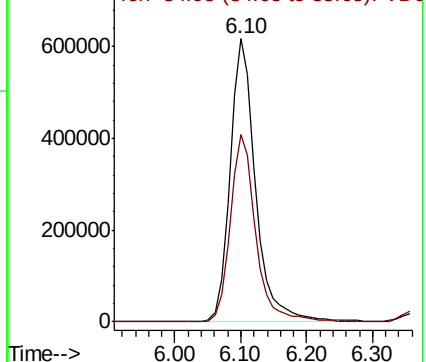
Ion Ratio Lower Upper

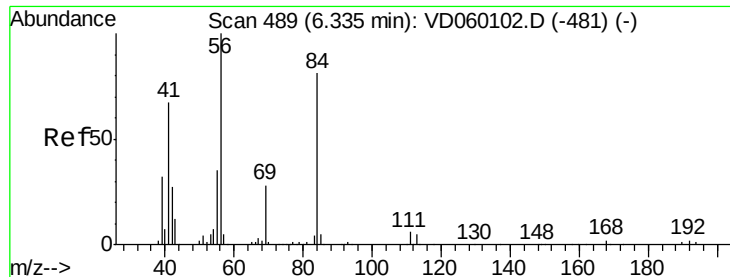
83 100

85 66.4 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

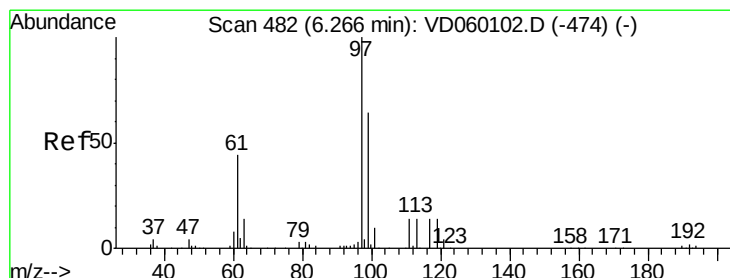
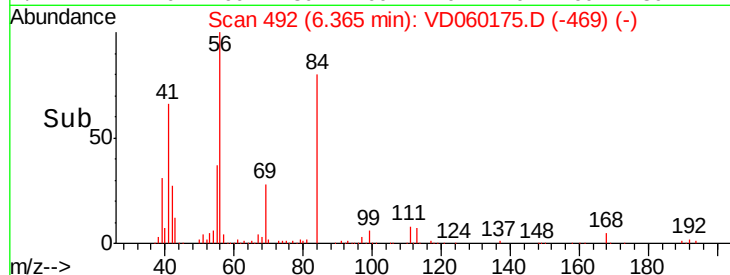
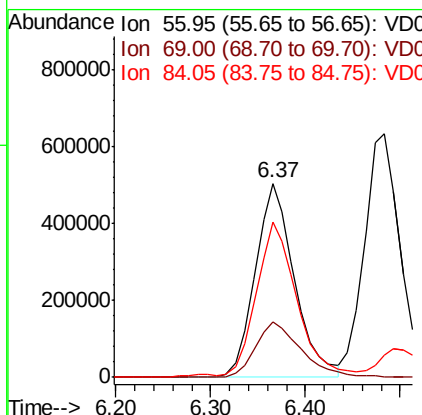
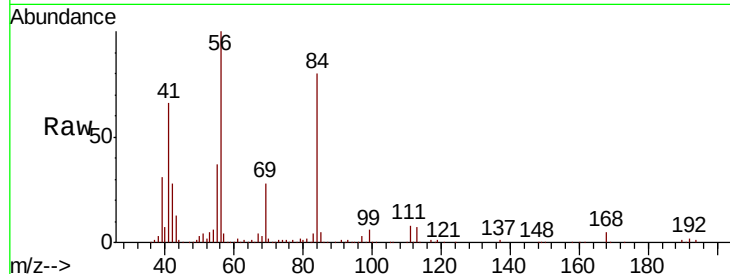




#31
Cyclohexane
Concen: 50.240 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

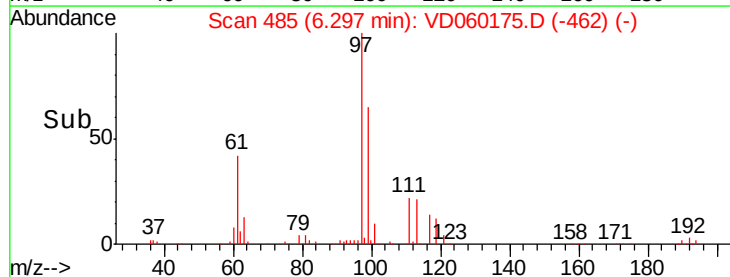
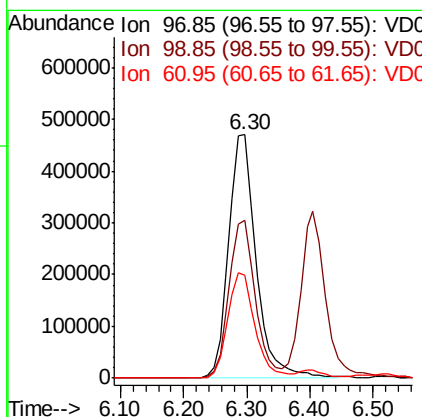
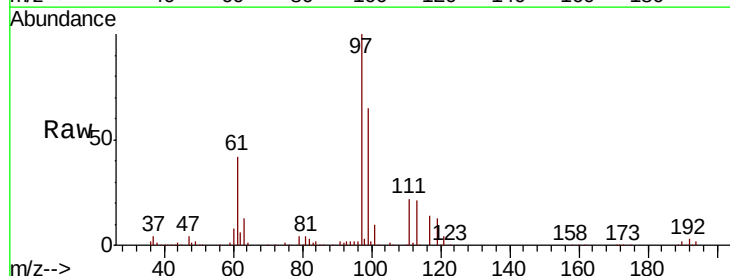
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

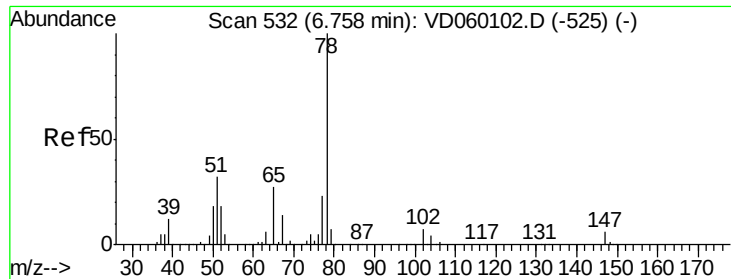
Tot Ion: 56 Resp: 1445465
Ion Ratio Lower Upper
56 100
69 28.3 22.8 34.2
84 80.1 64.9 97.3



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

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





#33

1,2-Dichloroethane-d4

Concen: 56.768 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

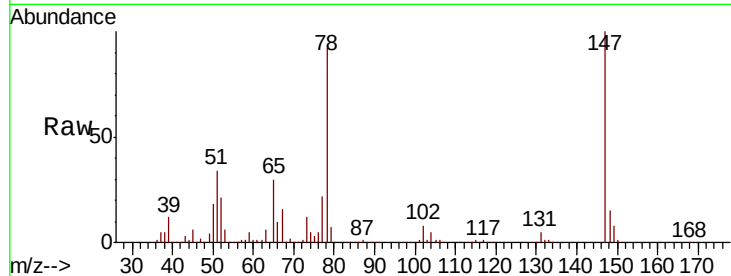
VSTDCCC050

Tot Ion: 65 Resp: 690309

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

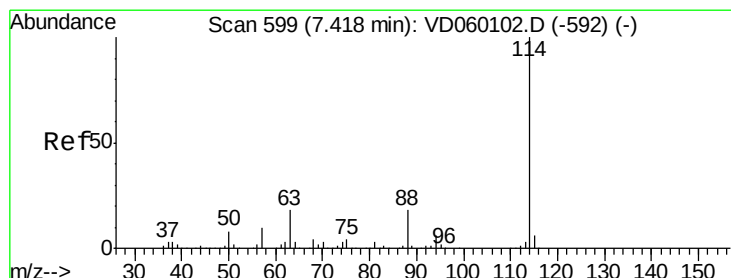
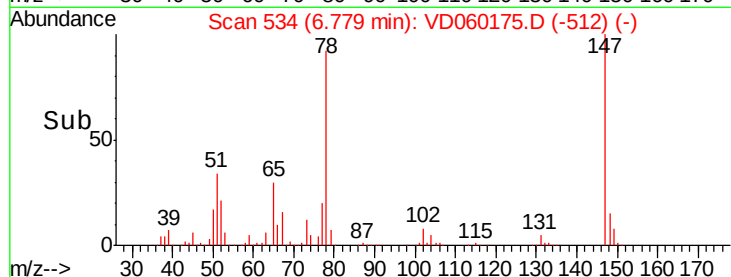
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

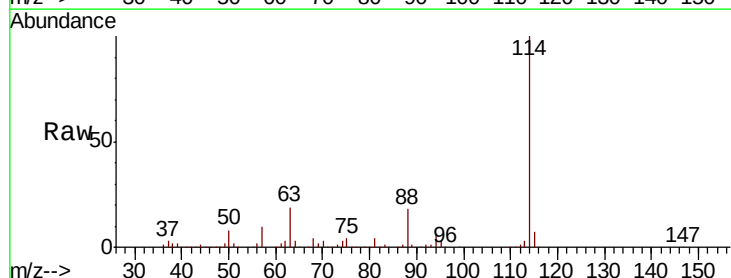
Tgt Ion: 114 Resp: 2485695

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.0

88 17.9 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

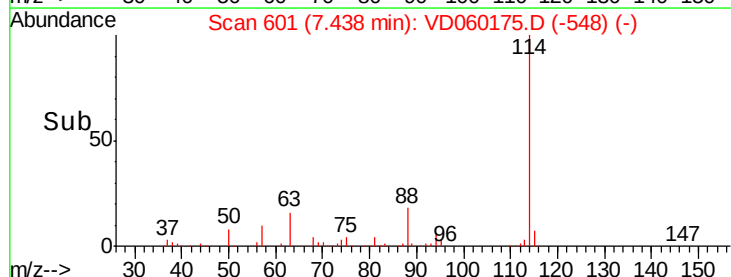
7.44

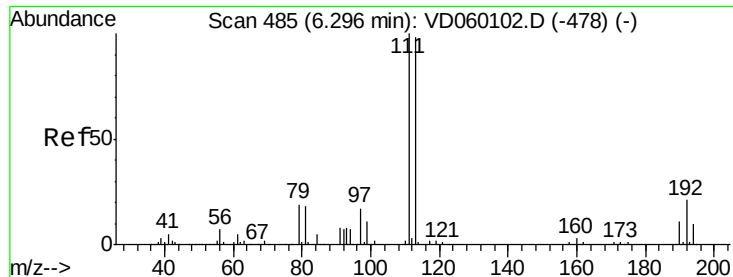
1000000

500000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

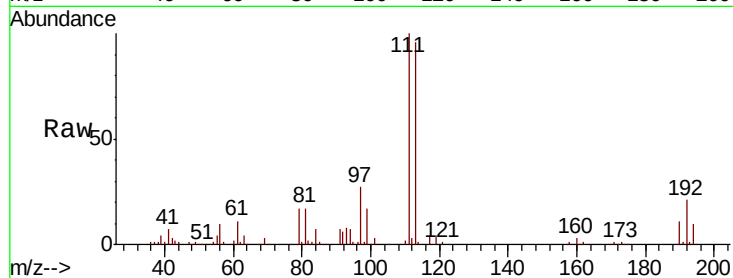
Tot Ion:113 Resp: 979482

Ion Ratio Lower Upper

113 100

111 104.1 81.5 122.3

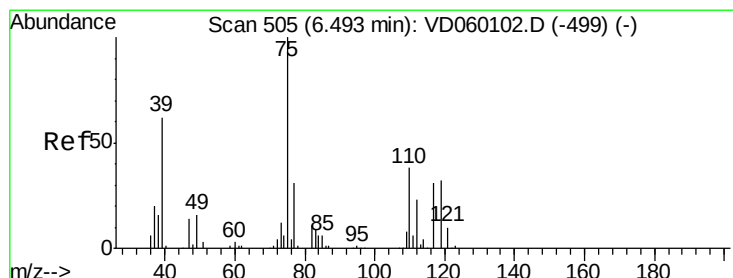
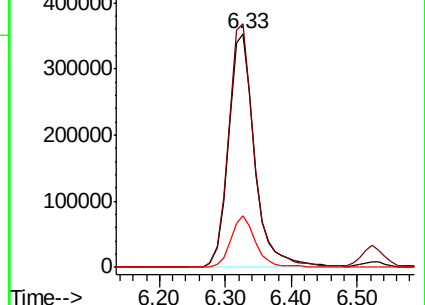
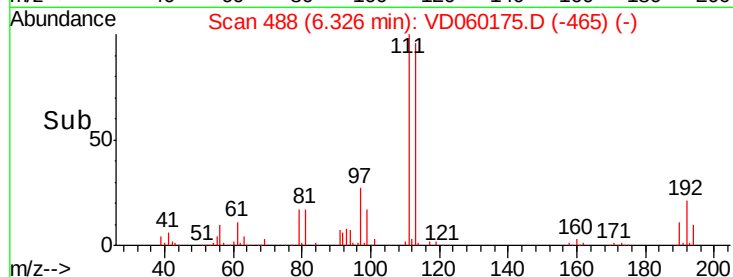
192 21.9 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.450 ug/l

RT: 6.52 min Scan# 508

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

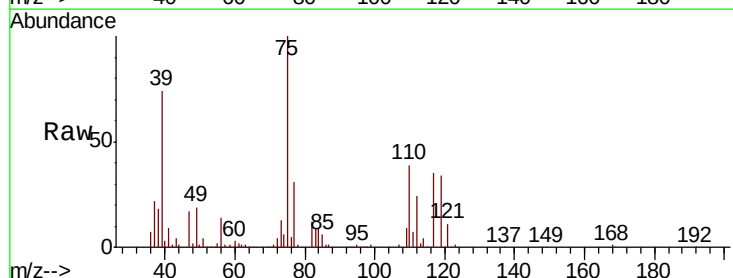
Tgt Ion: 75 Resp: 1222099

Ion Ratio Lower Upper

75 100

110 38.7 19.0 57.0

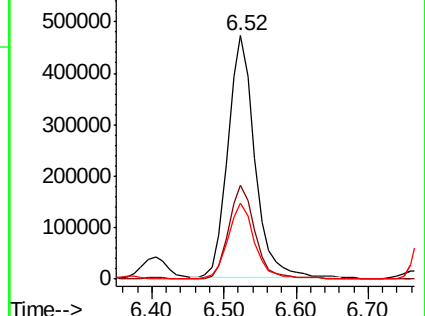
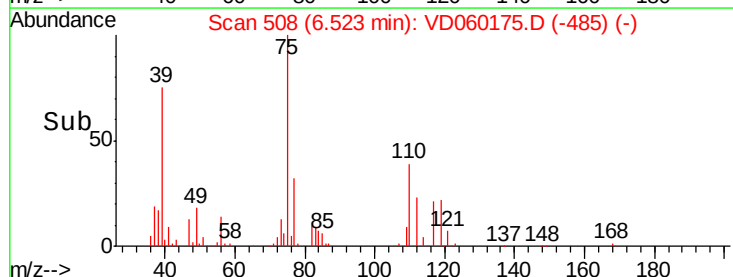
77 31.5 24.9 37.3

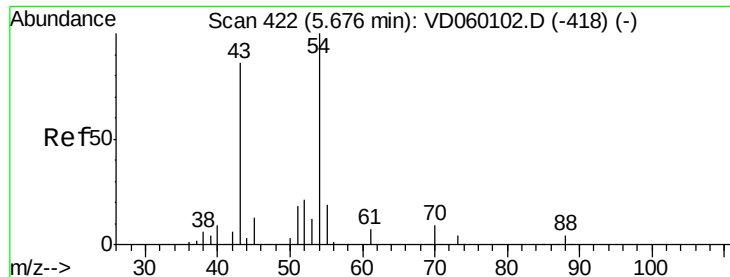


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

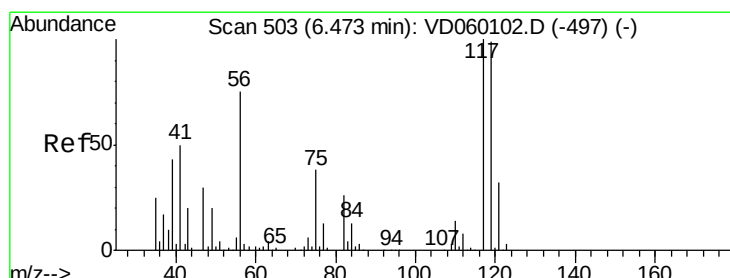
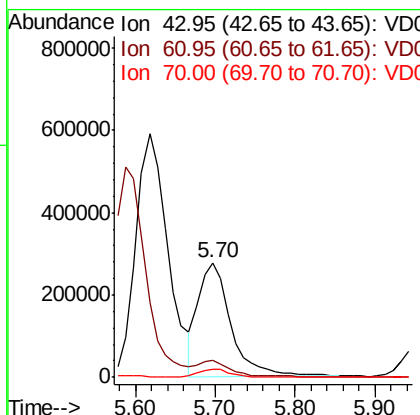
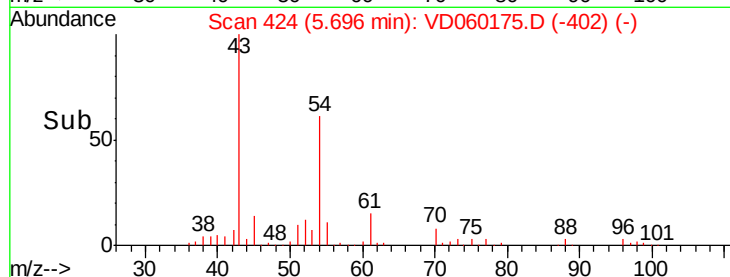
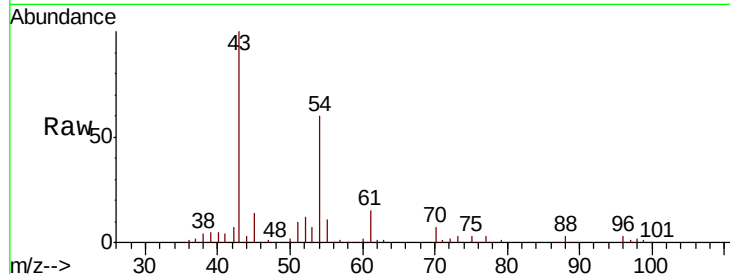




#37
Ethyl Acetate
Concen: 49.431 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

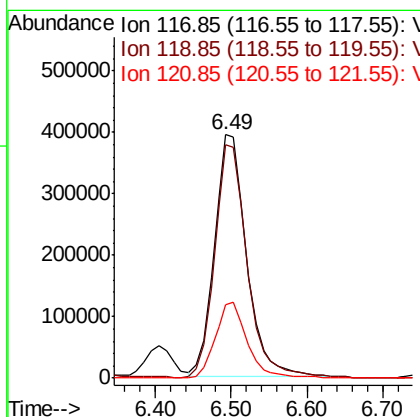
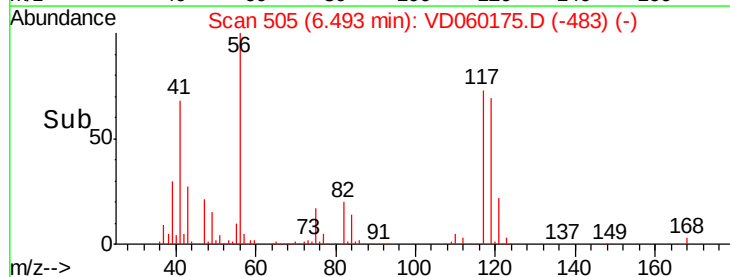
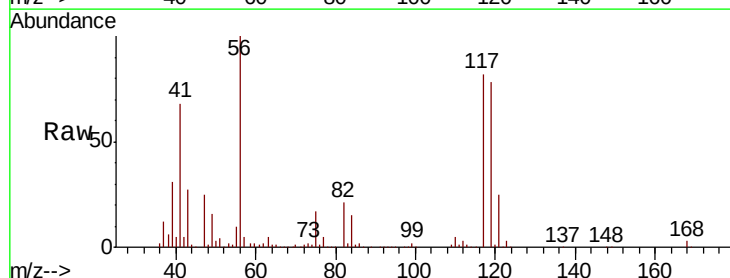
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

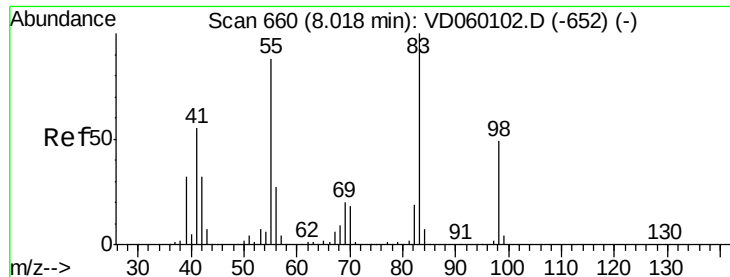
Tot Ion: 43 Resp: 779343
Ion Ratio Lower Upper
43 100
61 14.7 10.5 15.7
70 7.5 6.3 9.5



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

Tgt Ion: 117 Resp: 1166727
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6
121 30.4 24.8 37.2

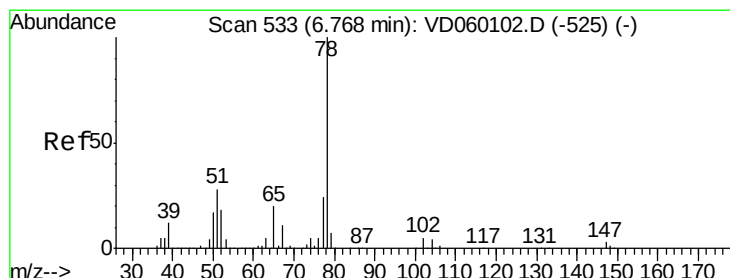
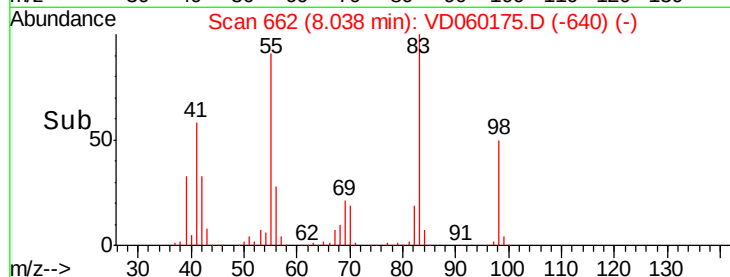
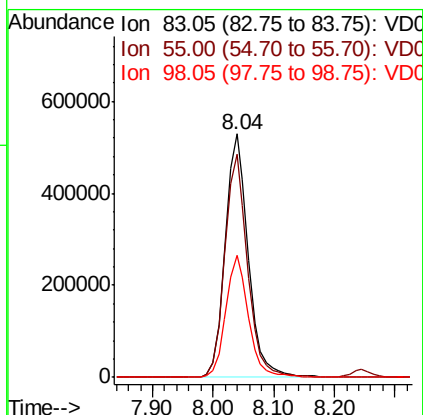
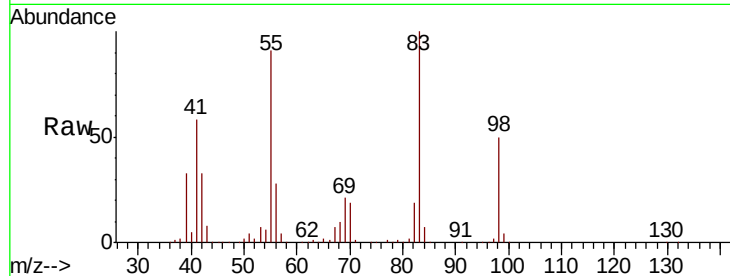




#39
Methylvlcyclohexane
Concen: 51.722 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

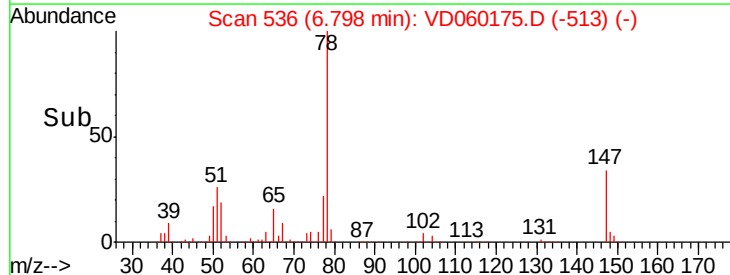
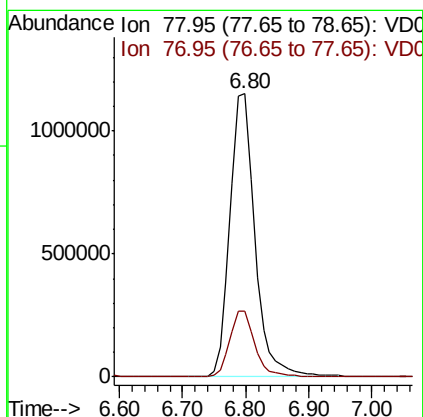
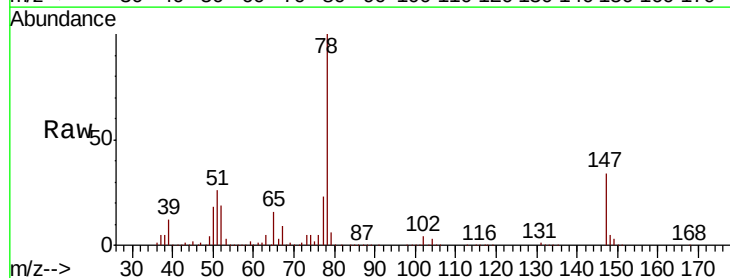
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

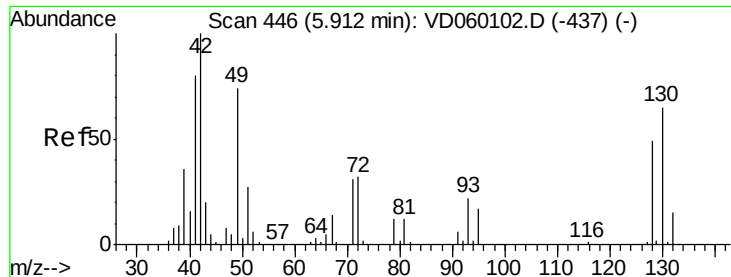
Tot Ion: 83 Resp: 1395881
Ion Ratio Lower Upper
83 100
55 91.5 70.5 105.7
98 50.0 39.4 59.2



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

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





#41

Methacrylonitrile

Concen: 103.413 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.03 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 921566

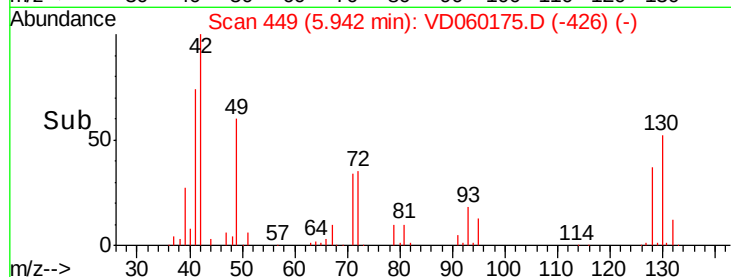
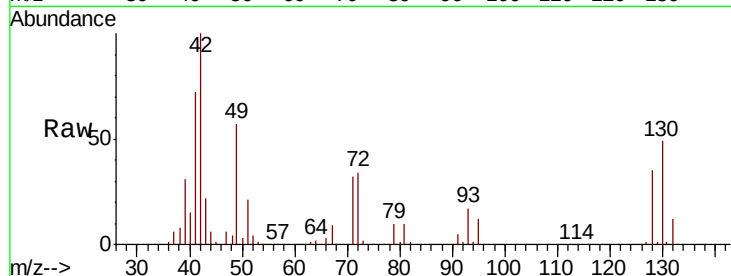
Ion Ratio Lower Upper

41 100

39 42.9 36.0 54.0

67 12.8 13.9 20.9#

52 5.3 6.1 9.1#

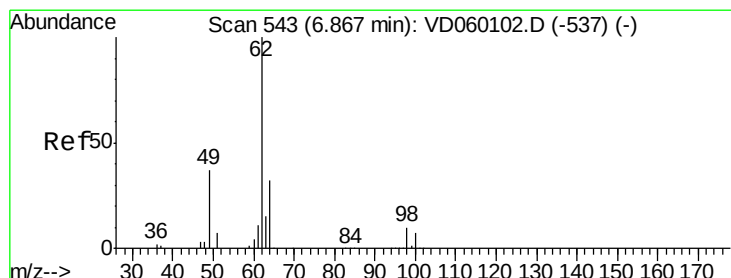
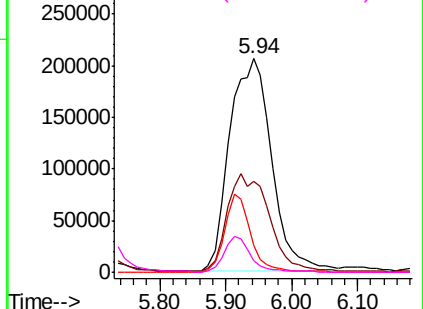


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.810 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060175.D

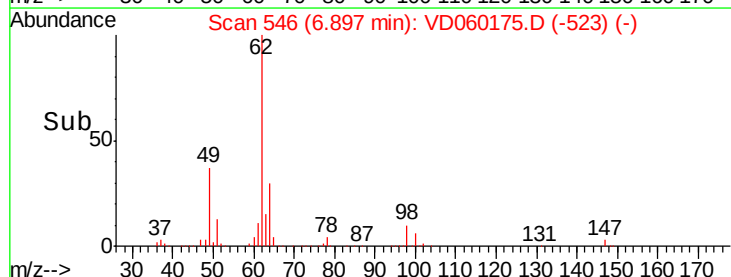
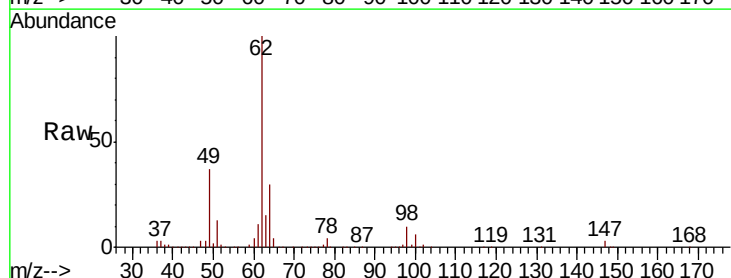
Acq: 24 Oct 2018 11:38

Tgt Ion: 62 Resp: 940860

Ion Ratio Lower Upper

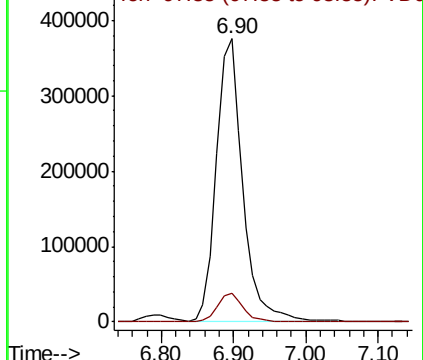
62 100

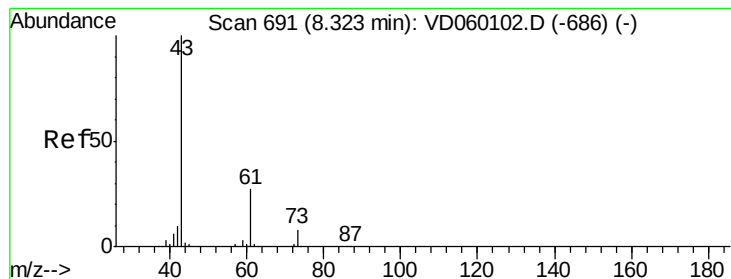
98 9.9 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.152 ug/l

RT: 8.34 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

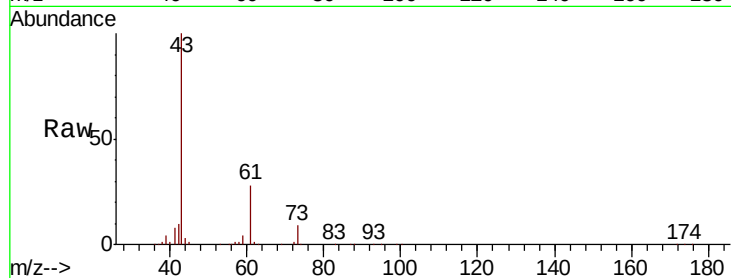
Tot Ion: 43 Resp: 1061009

Ion Ratio Lower Upper

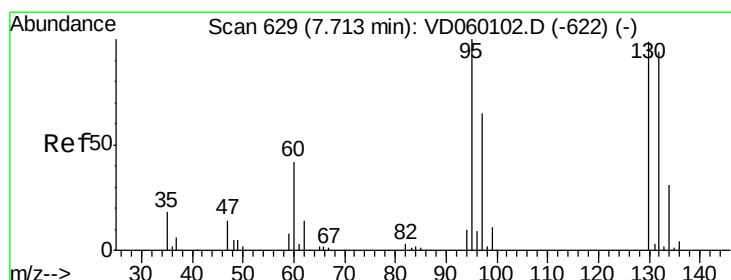
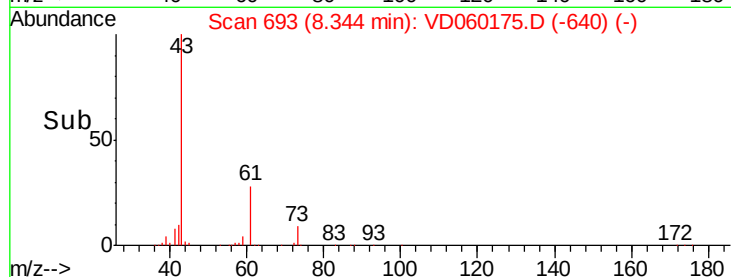
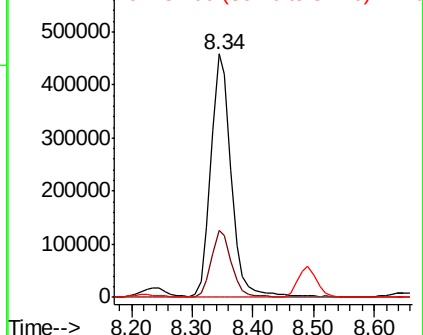
43 100

61 27.6 21.4 32.2

87 0.3 0.2 0.2#



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: 50.587 ug/l

RT: 7.74 min Scan# 632

Delta R.T. 0.03 min

Lab File: VD060175.D

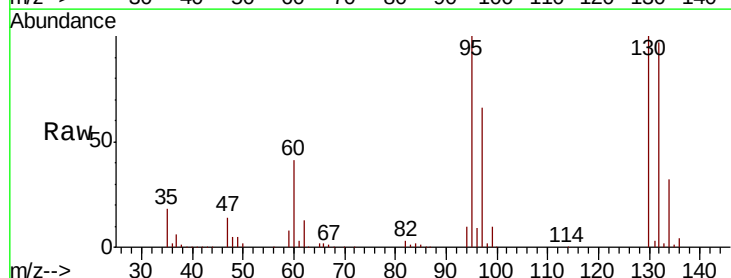
Acq: 24 Oct 2018 11:38

Tgt Ion:130 Resp: 973101

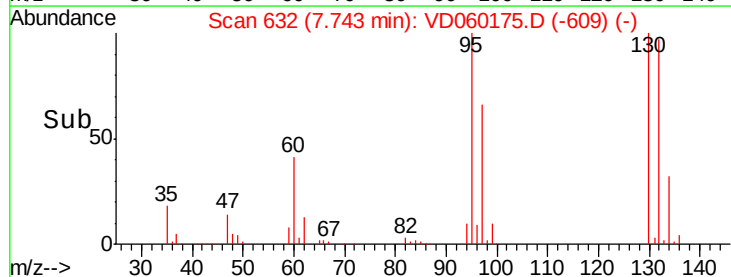
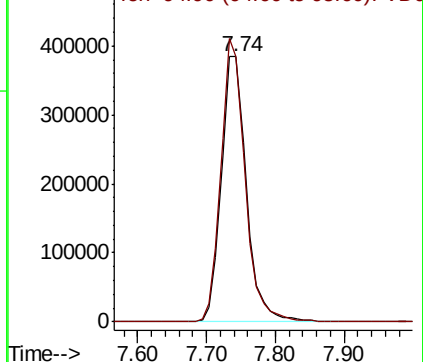
Ion Ratio Lower Upper

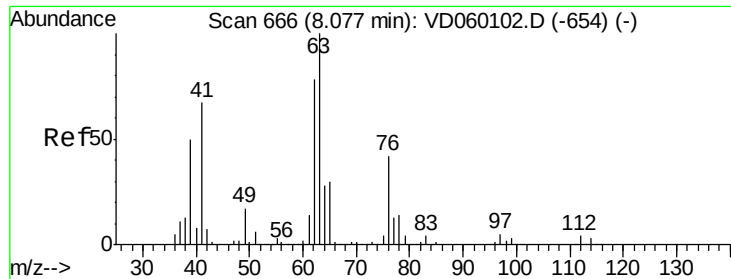
130 100

95 100.2 0.0 202.2



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

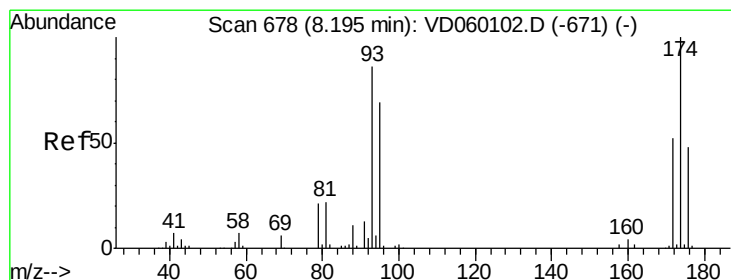
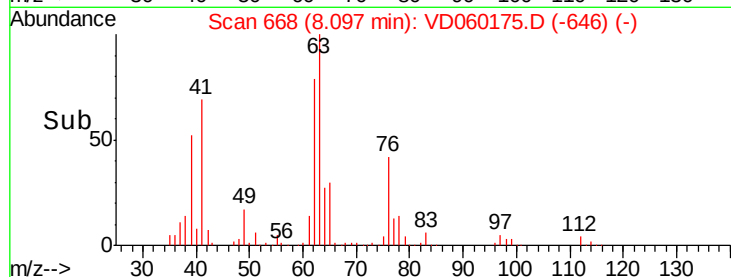
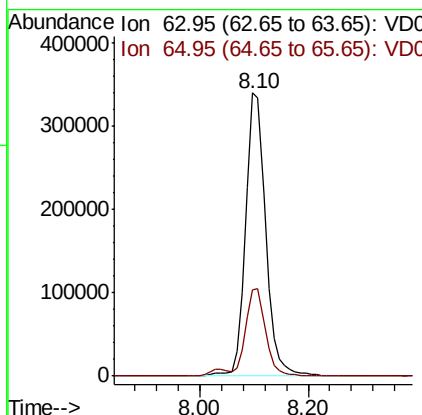
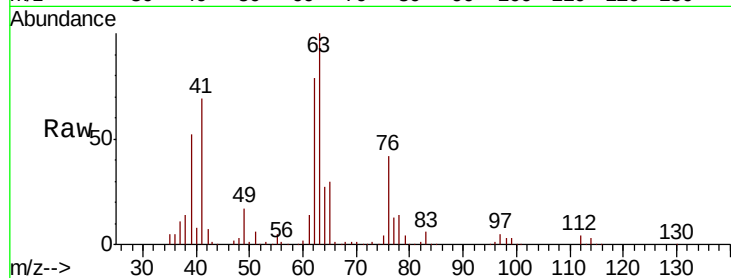




#45
 1,2-Dichloropropane
 Concen: 53.835 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

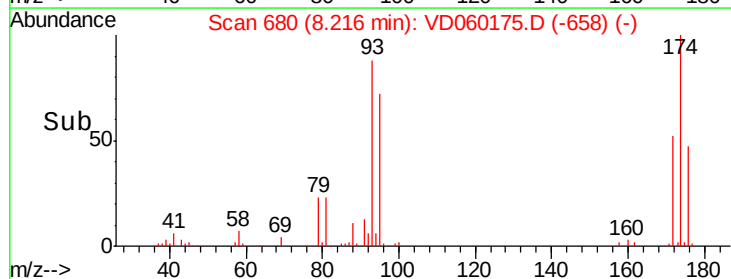
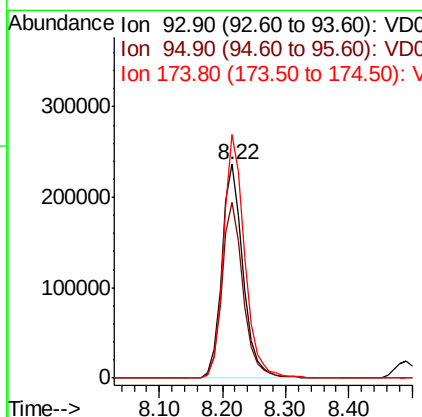
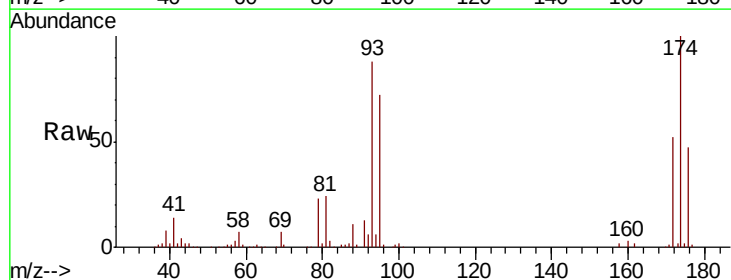
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

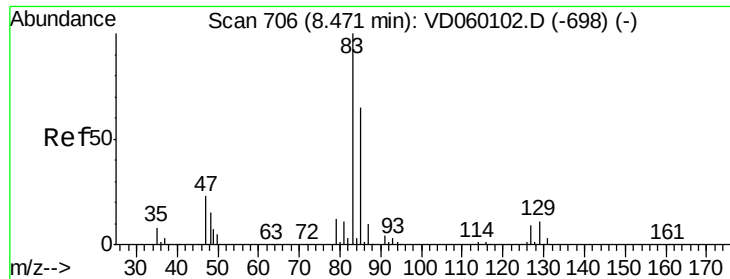
Tot Ion: 63 Resp: 875964
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.1 36.1



#46
 Dibromomethane
 Concen: 52.368 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 93 Resp: 551669
 Ion Ratio Lower Upper
 93 100
 95 82.4 63.8 95.6
 174 113.8 92.9 139.3





#47

Bromodichloromethane

Concen: 55.276 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

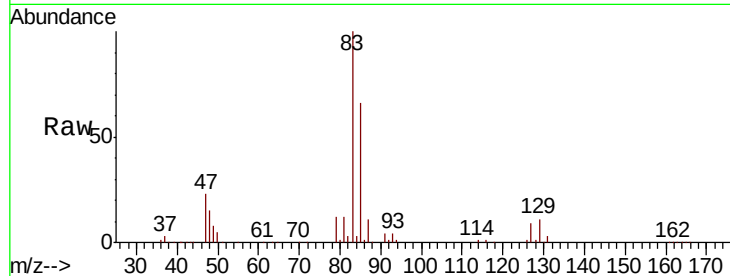
Tot Ion: 83 Resp: 1240714

Ion Ratio Lower Upper

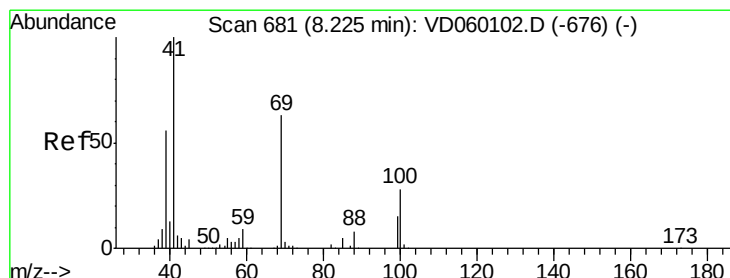
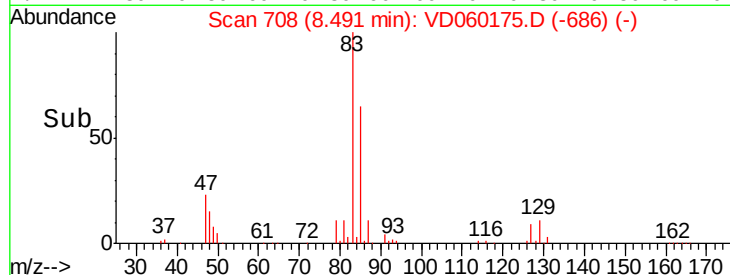
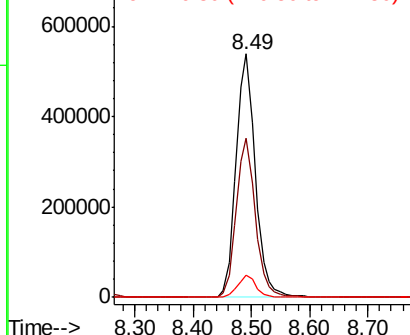
83 100

85 65.6 52.2 78.2

127 9.2 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 53.600 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

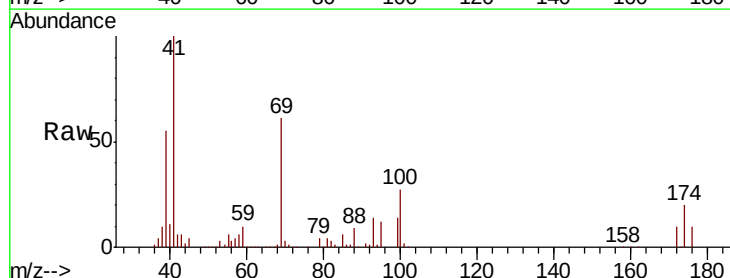
Tgt Ion: 41 Resp: 633287

Ion Ratio Lower Upper

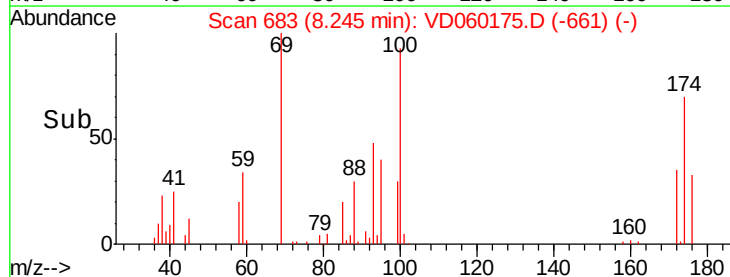
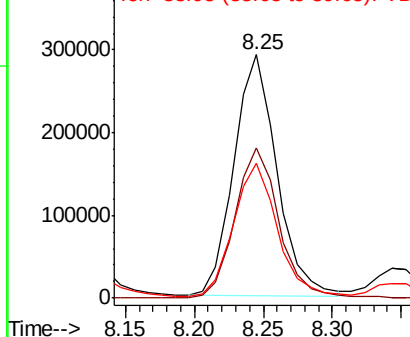
41 100

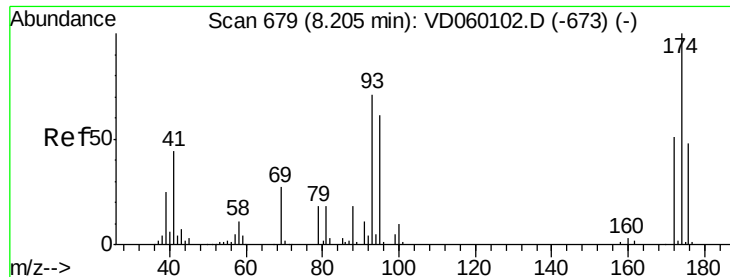
69 61.4 49.7 74.5

39 55.3 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

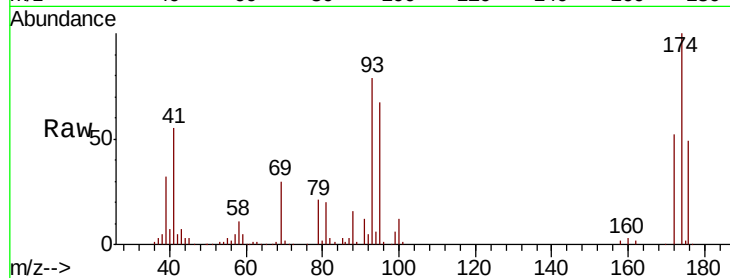




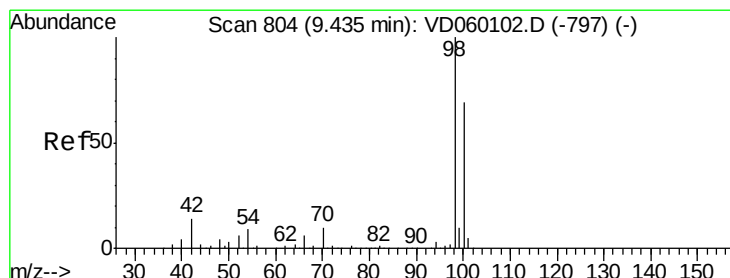
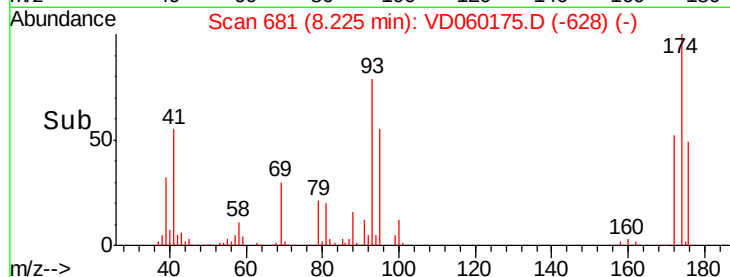
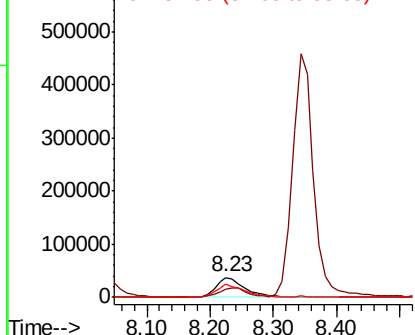
#49
1,4-Dioxane
Concen: 1052.545 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 122360
Ion Ratio Lower Upper
88 100
43 41.0 33.7 50.5
58 65.3 49.1 73.7

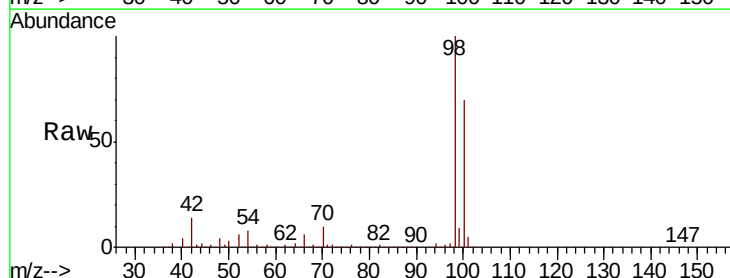


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

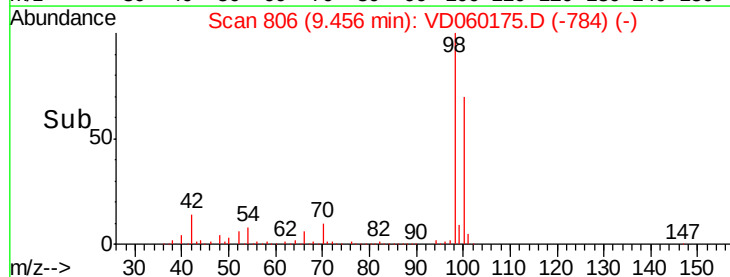
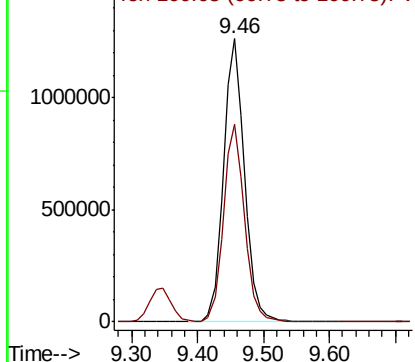


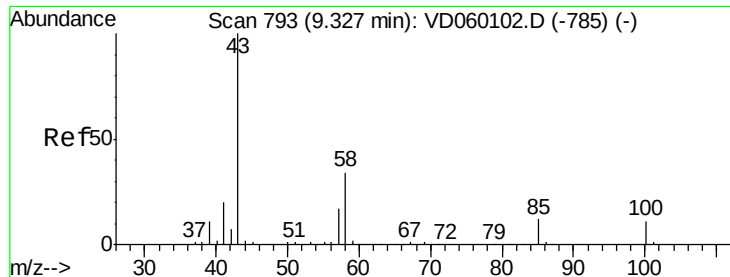
#50
Toluene-d8
Concen: 1052.545 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion: 98 Resp: 2812806
Ion Ratio Lower Upper
98 100
100 70.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 257.363 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

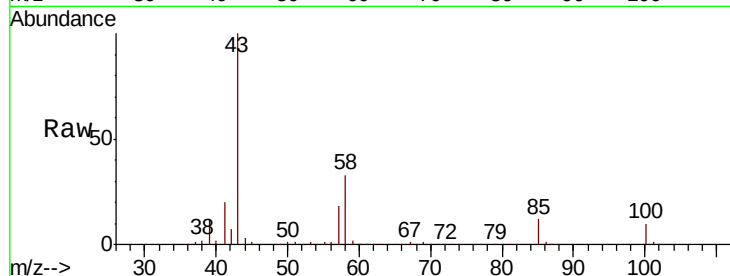
VSTDCCC050

Tot Ion: 43 Resp: 3367033

Ion Ratio Lower Upper

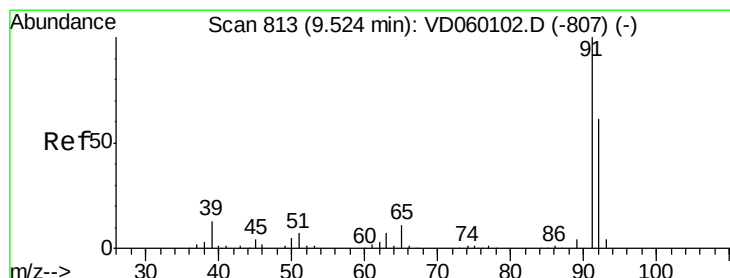
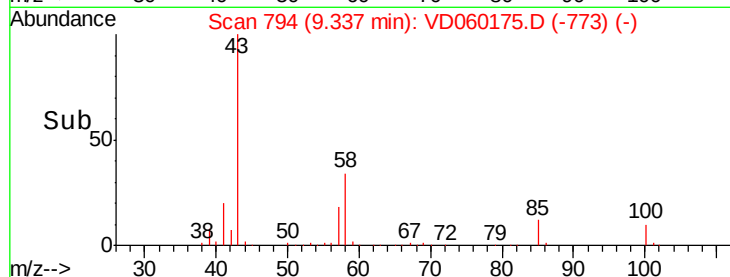
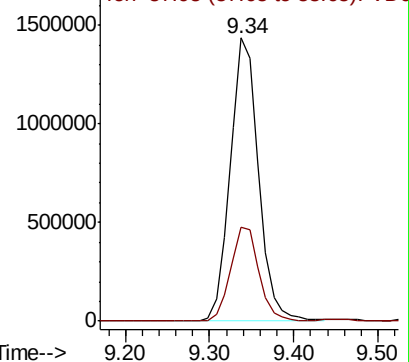
43 100

58 33.3 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.110 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060175.D

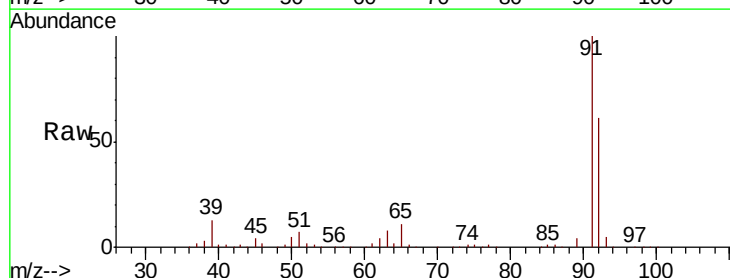
Acq: 24 Oct 2018 11:38

Tgt Ion: 92 Resp: 2085499

Ion Ratio Lower Upper

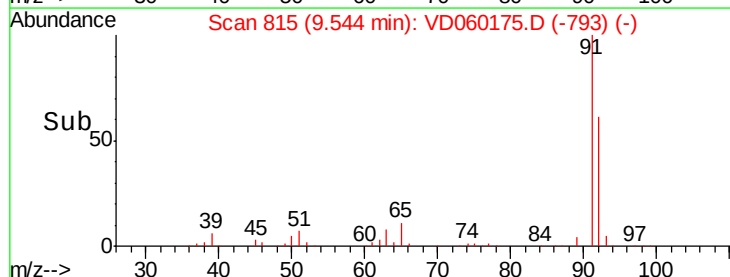
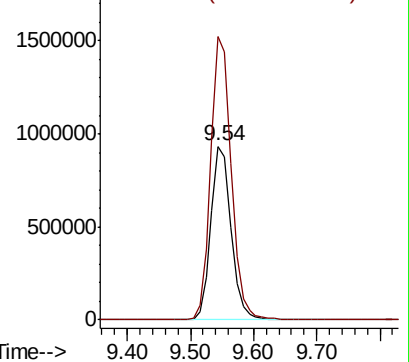
92 100

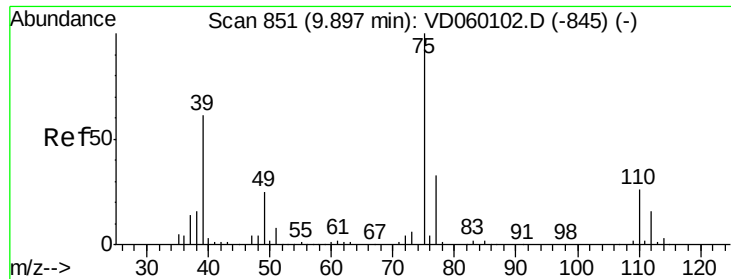
91 163.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

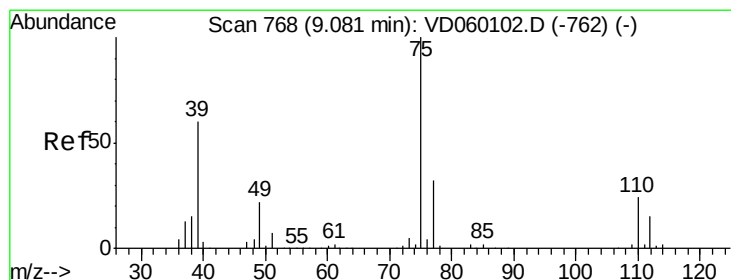
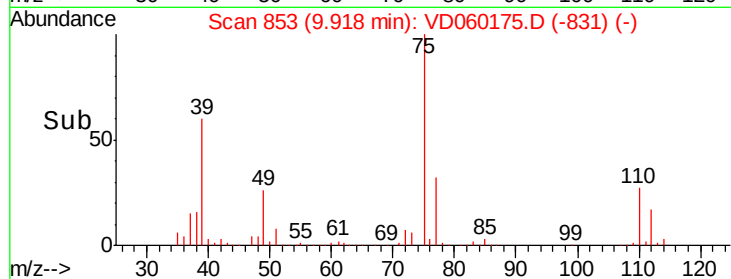
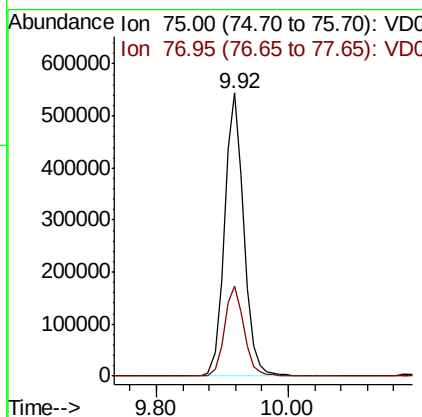
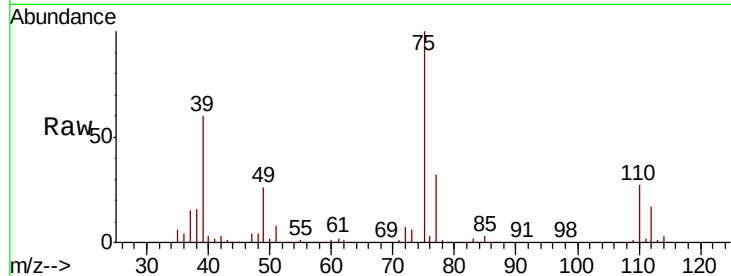




#53
 t-1,3-Dichloropropene
 Concen: 54.584 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

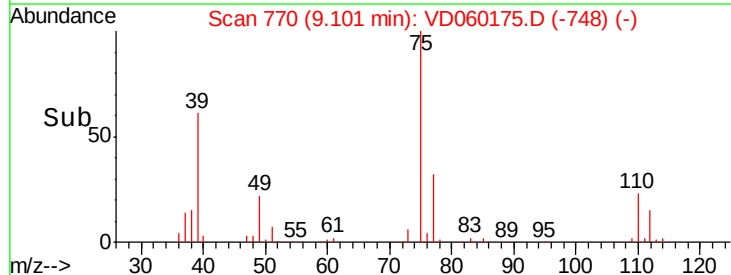
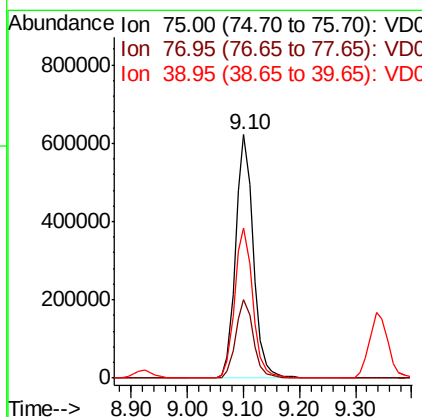
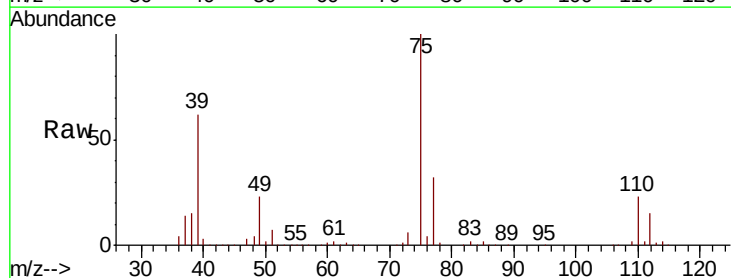
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

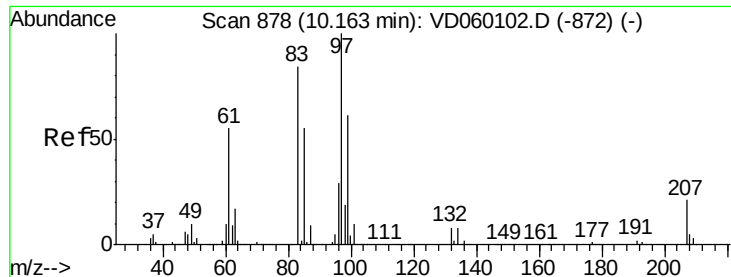
Tot Ion: 75 Resp: 1108586
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 54.177 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 75 Resp: 1358754
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 39 61.8 48.2 72.4



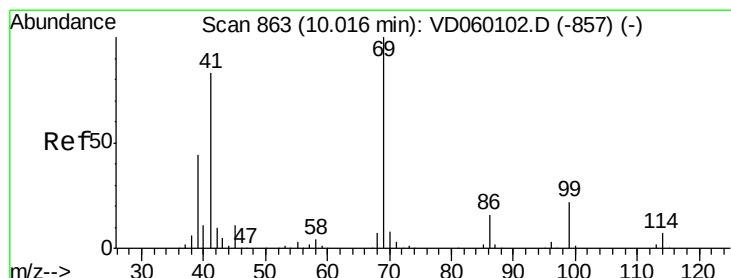
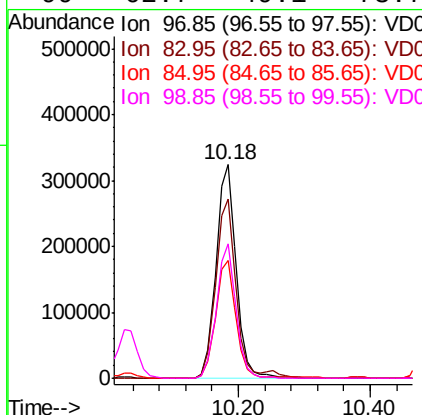
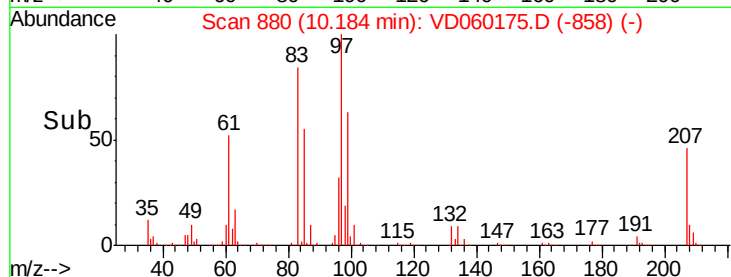
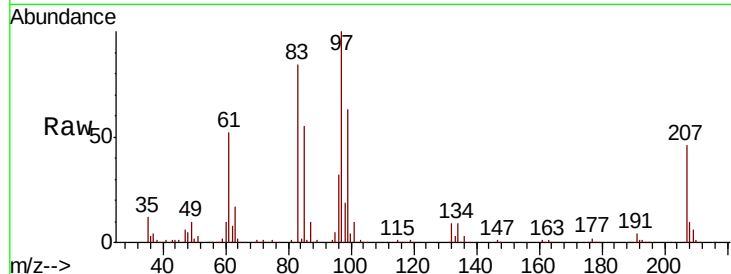


#55
 1,1,2-Trichloroethane
 Concen: 52.301 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 684278

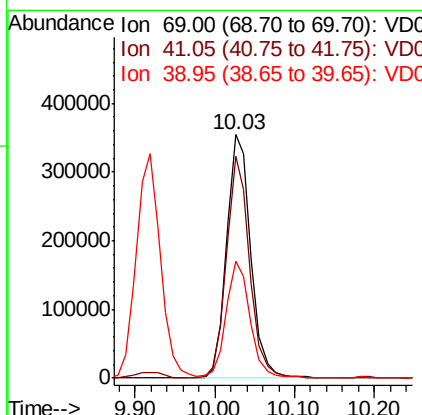
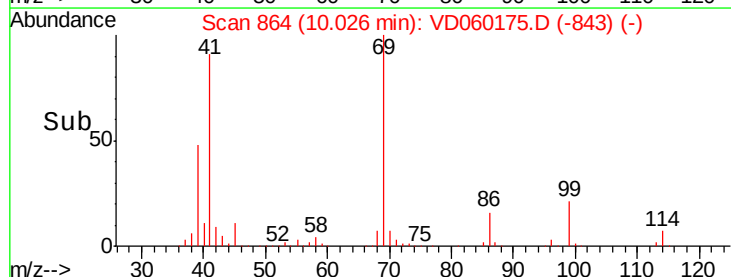
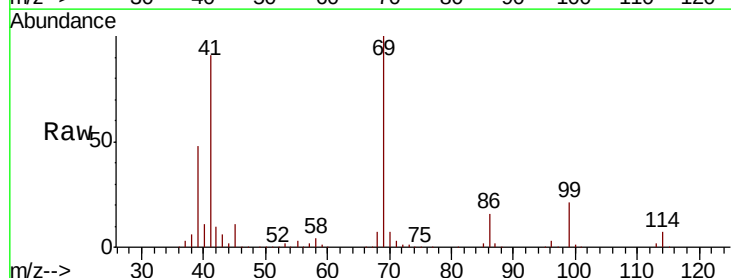
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	55.3	43.9	65.9
99	62.7	49.1	73.7

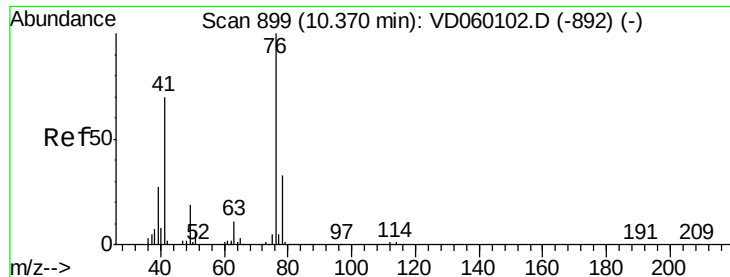


#56
 Ethyl methacrylate
 Concen: 52.388 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 69 Resp: 756603

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





#57

1,3-Dichloropropane

Concen: 51.042 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

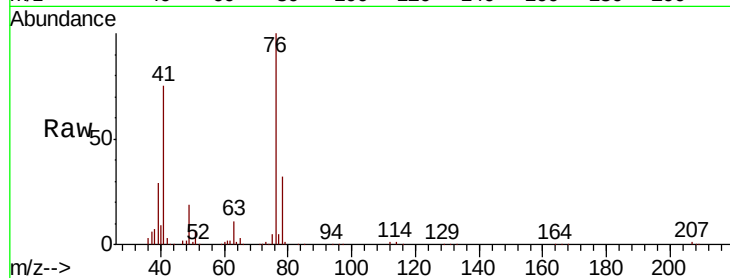
VSTDCCC050

Tot Ion: 76 Resp: 1018493

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

500000

400000

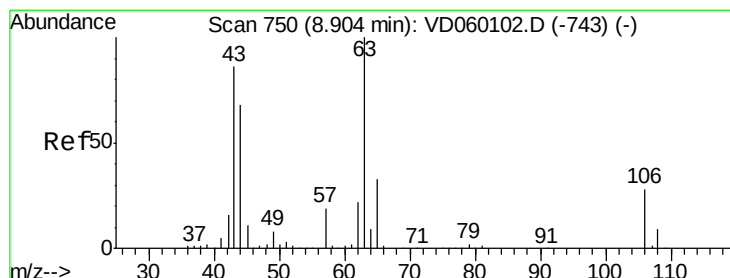
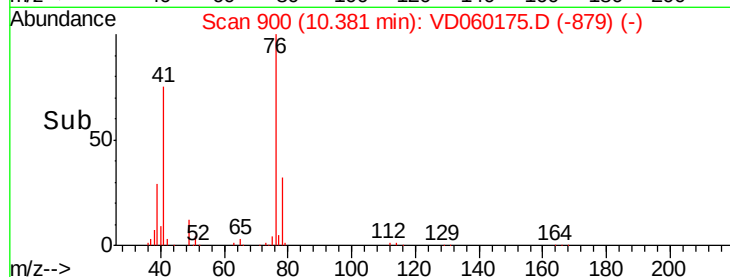
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.701 ug/l

RT: 8.92 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060175.D

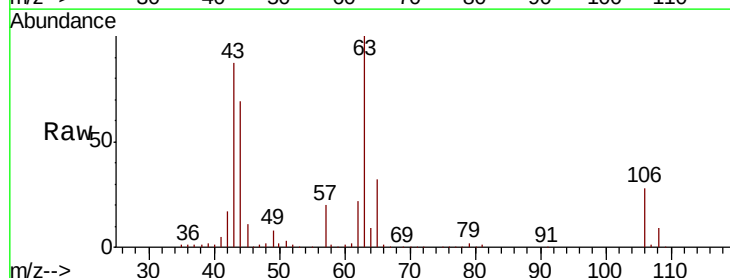
Acq: 24 Oct 2018 11:38

Tgt Ion: 63 Resp: 1962492

Ion Ratio Lower Upper

63 100

106 28.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

1000000

800000

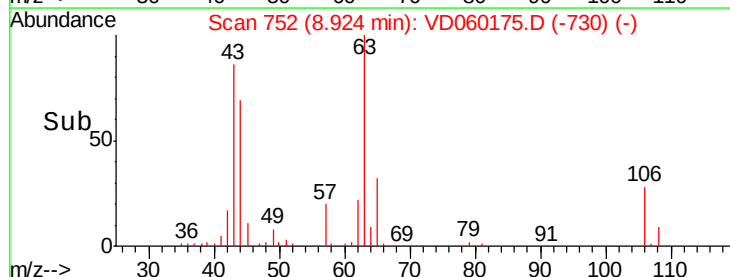
600000

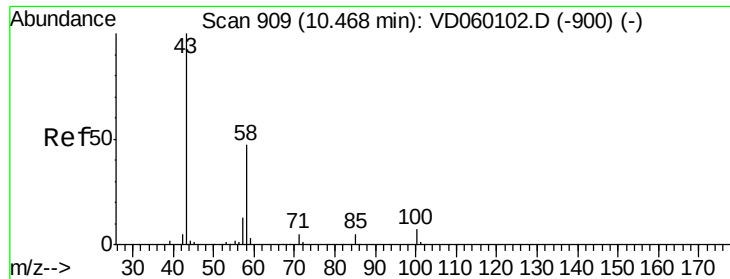
400000

200000

0

Time-->

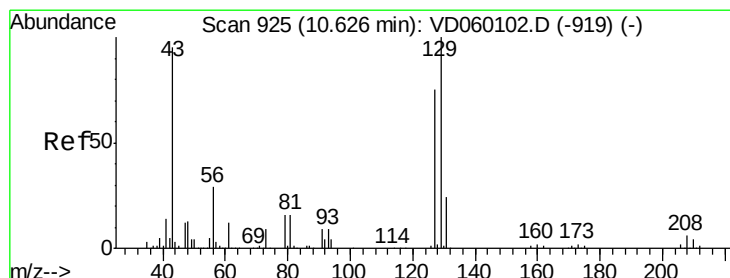
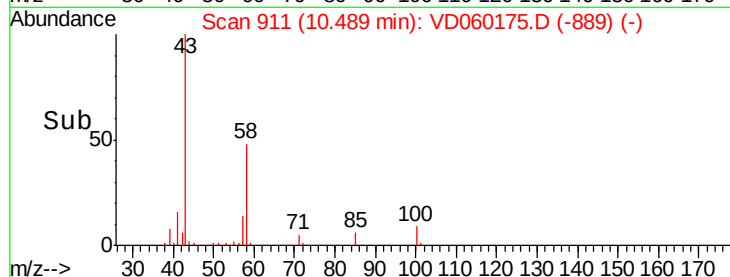
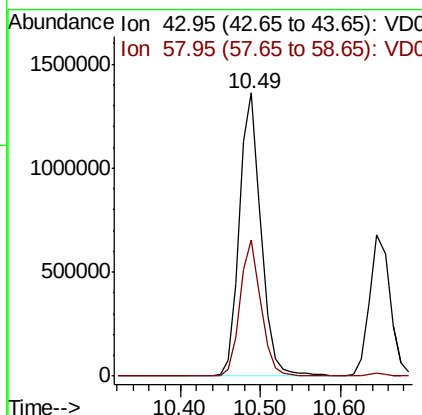
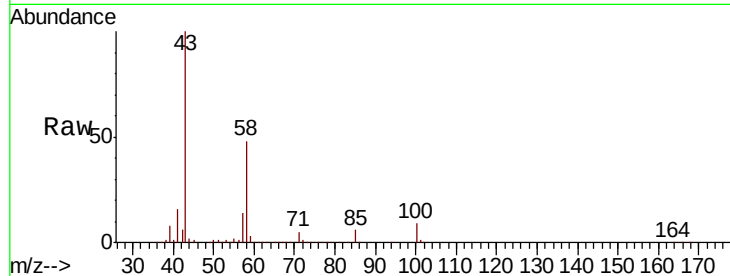




#59
2-Hexanone
Concen: 271.928 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

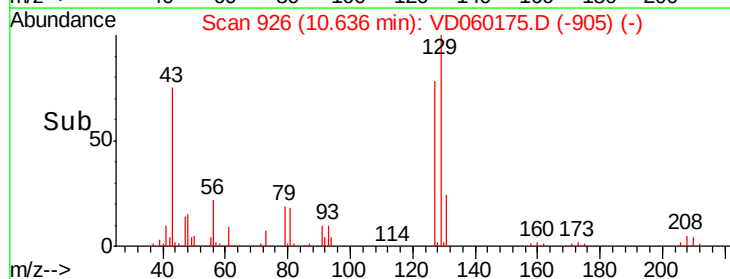
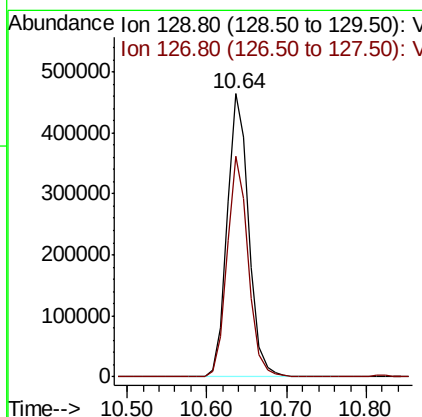
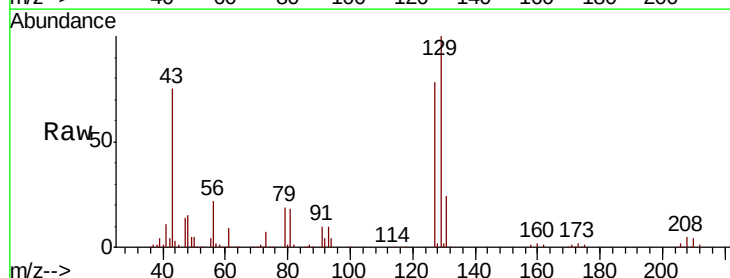
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

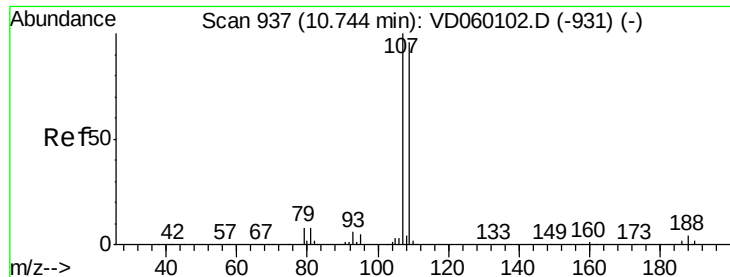
Tot Ion: 43 Resp: 2558187
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9



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

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

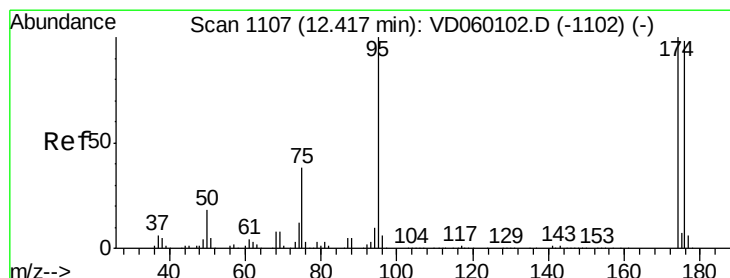
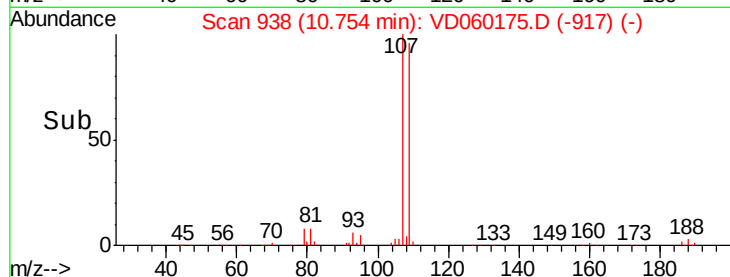
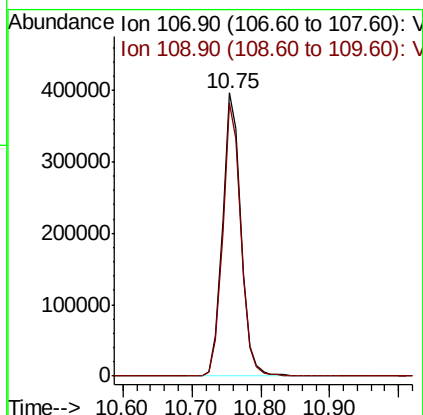
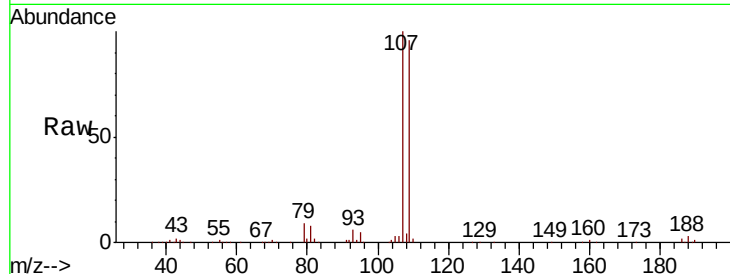




#61
 1,2-Dibromoethane
 Concen: 52.652 ug/l
 RT: 10.75 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

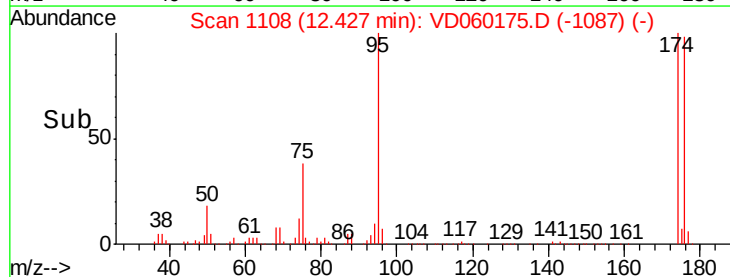
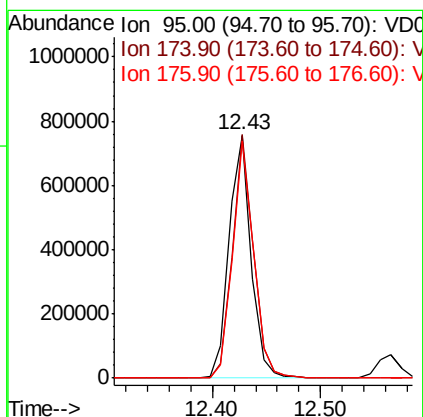
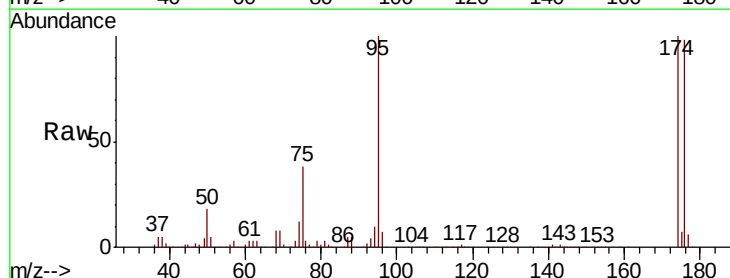
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

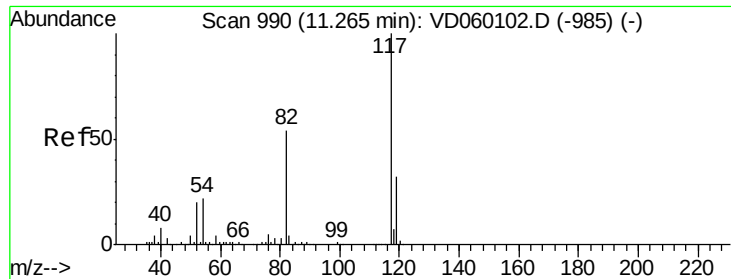
Tot Ion: 107 Resp: 731950
 Ion Ratio Lower Upper
 107 100
 109 96.5 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 52.652 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion: 95 Resp: 1068843
 Ion Ratio Lower Upper
 95 100
 174 100.4 0.0 200.2
 176 98.0 0.0 195.6

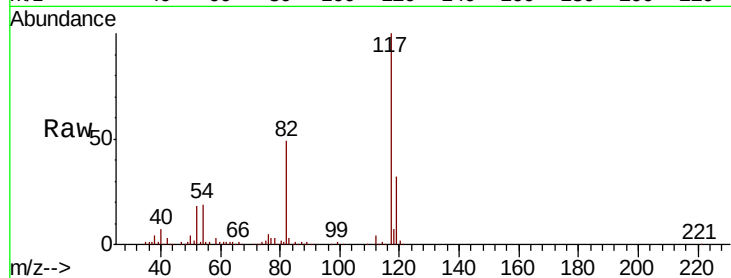




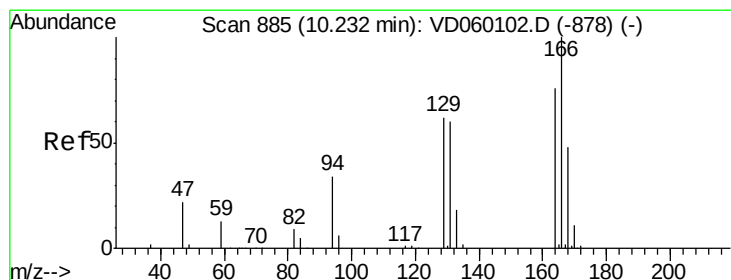
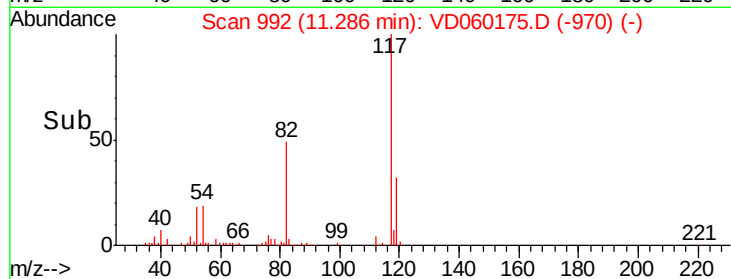
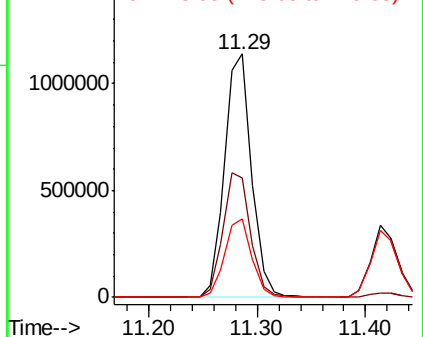
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1980818
Ion Ratio Lower Upper
117 100
82 48.9 43.4 65.2
119 32.4 26.0 39.0

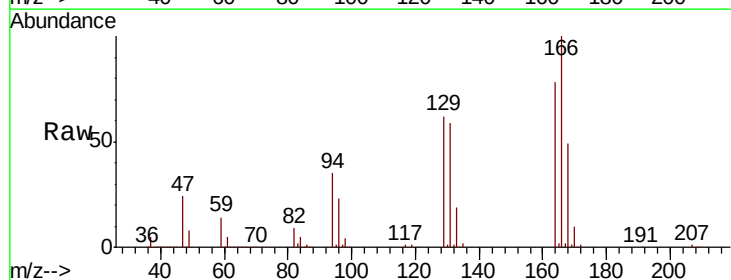


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

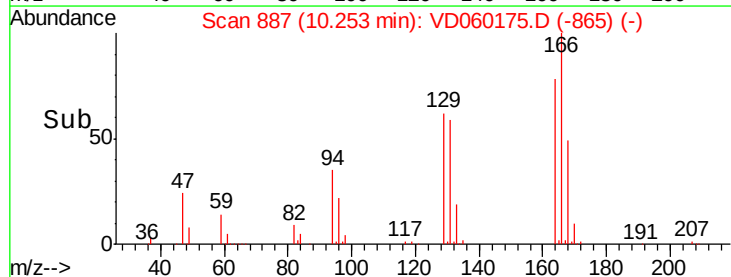
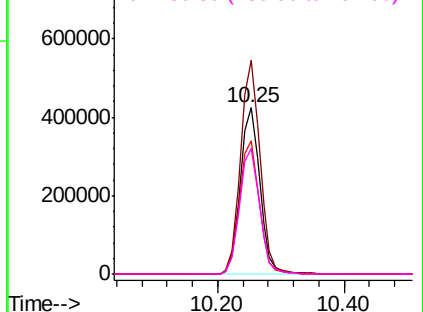


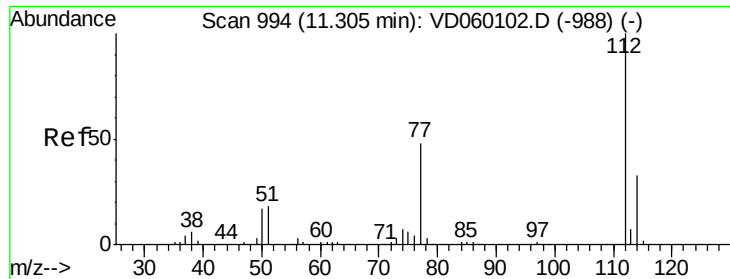
#64
Tetrachloroethene
Concen: 52.085 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion:164 Resp: 903634
Ion Ratio Lower Upper
164 100
166 128.8 105.4 158.0
129 80.0 65.7 98.5
131 76.0 62.9 94.3



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

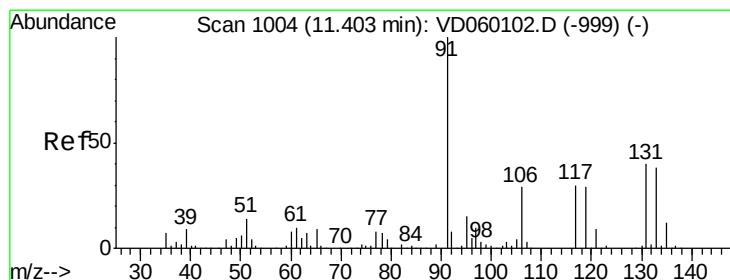
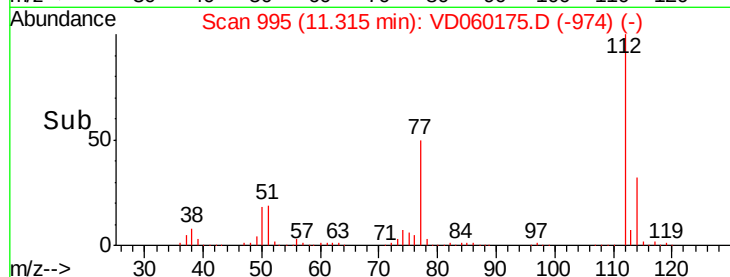
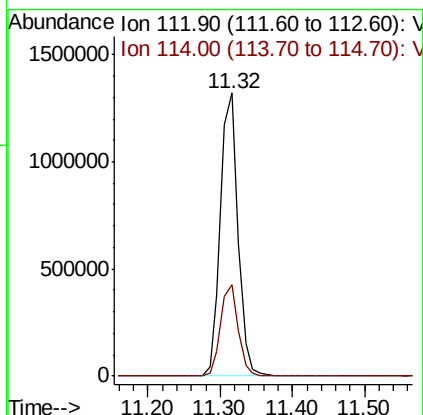
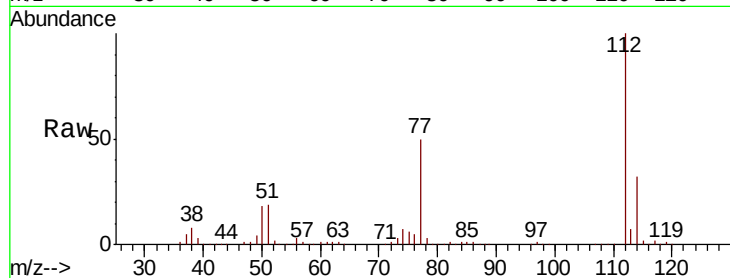




#65
Chlorobenzene
Concen: 51.897 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

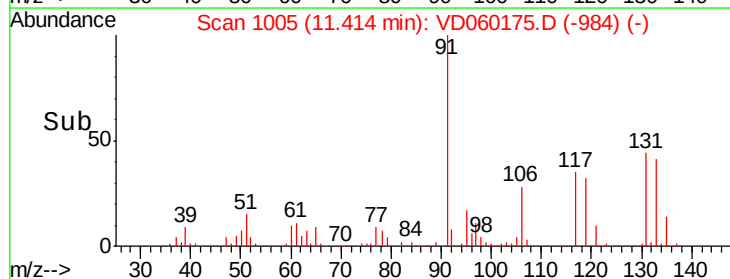
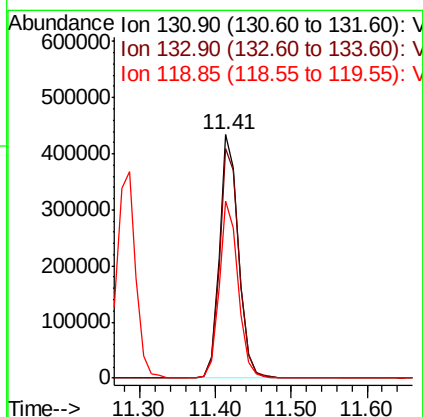
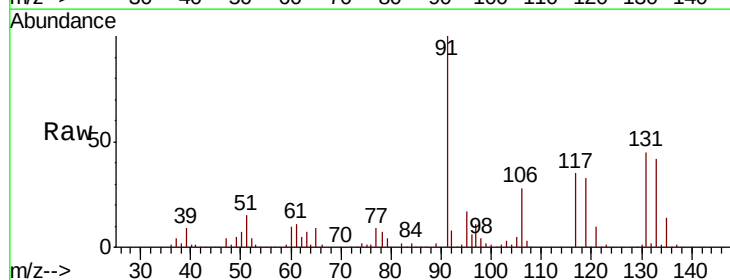
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

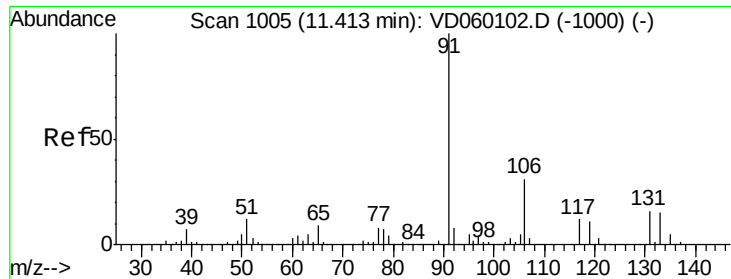
Tot Ion:112 Resp: 2223922
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.164 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion:131 Resp: 760015
Ion Ratio Lower Upper
131 100
133 94.4 47.4 142.3
119 72.8 36.1 108.3

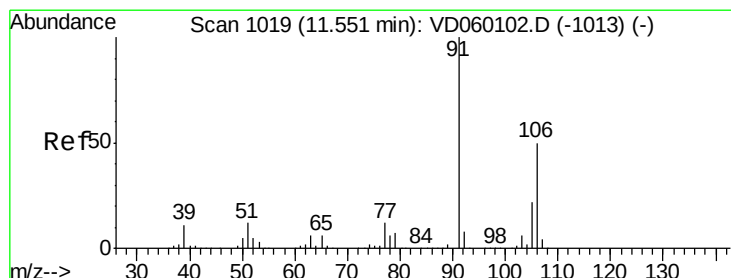
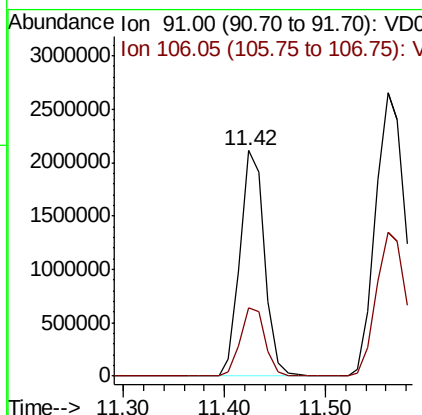
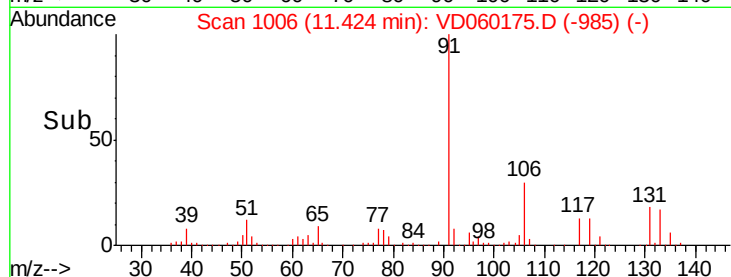
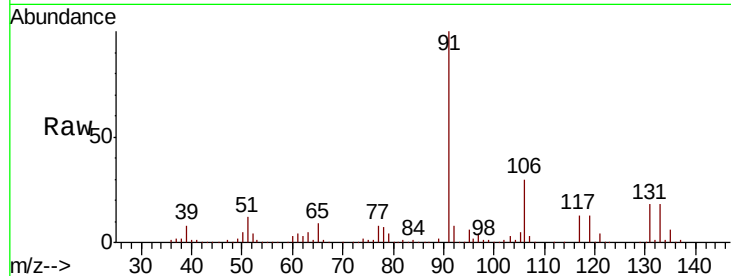




#67
Ethyl Benzene
Concen: 51.602 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

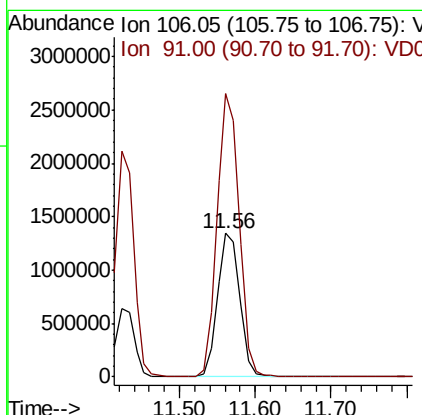
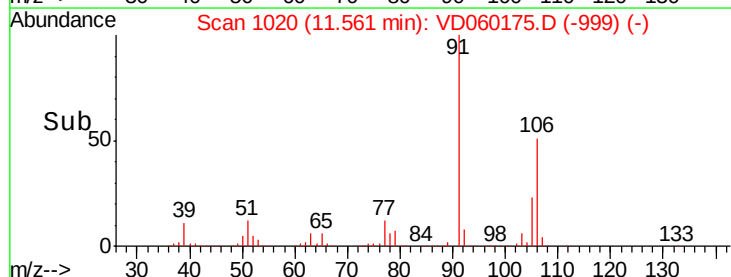
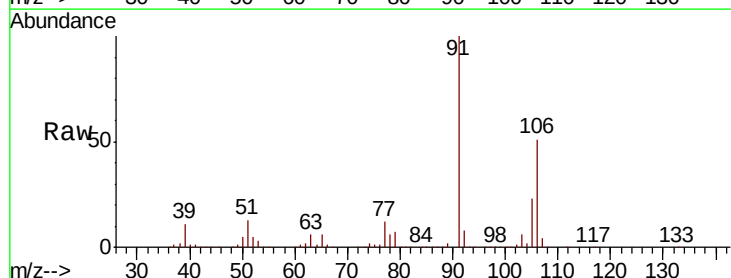
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

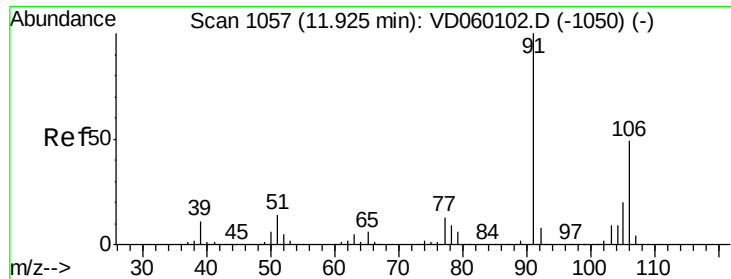
Tot Ion: 91 Resp: 3582648
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



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

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

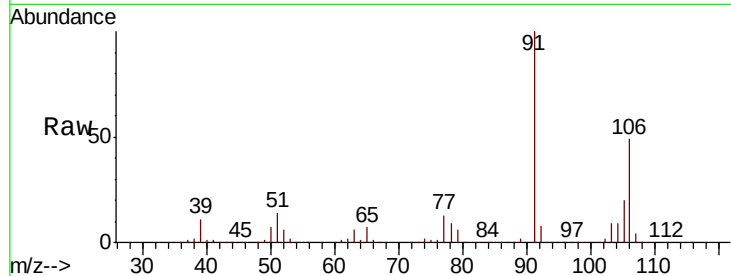




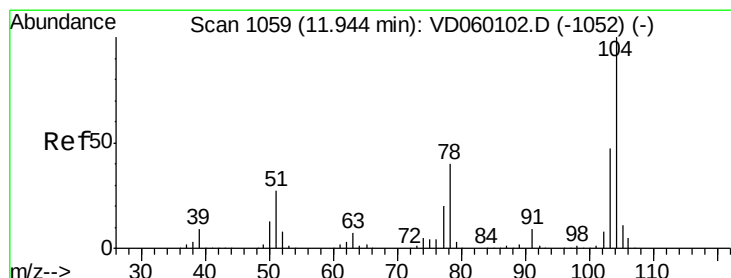
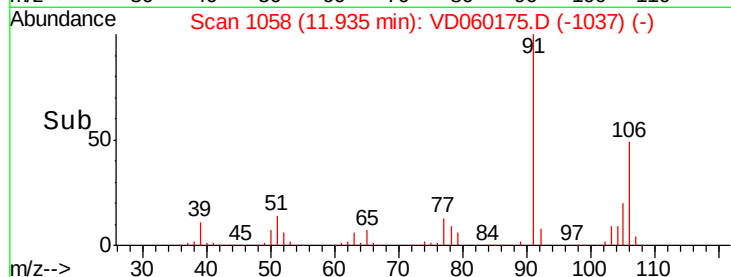
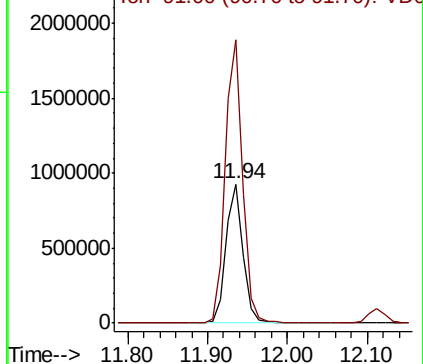
#69
o-Xylene
Concen: 54.173 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

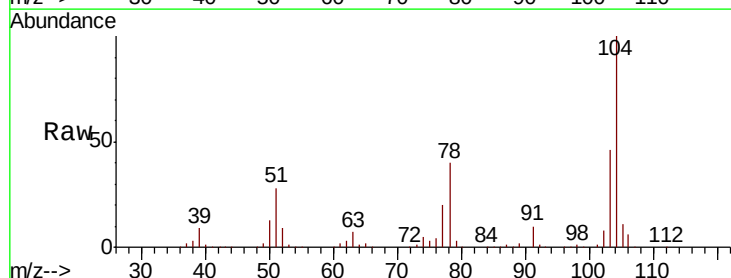


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

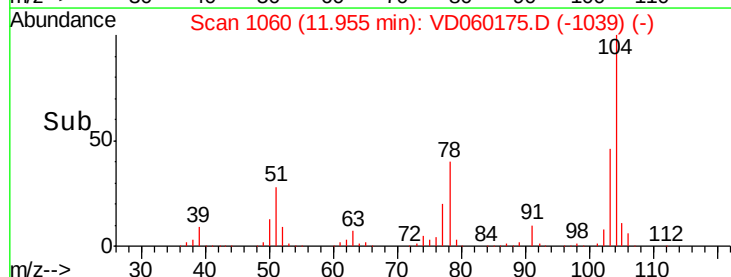
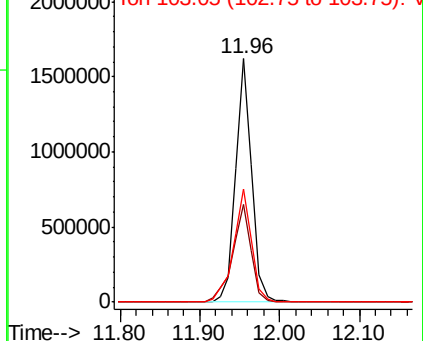


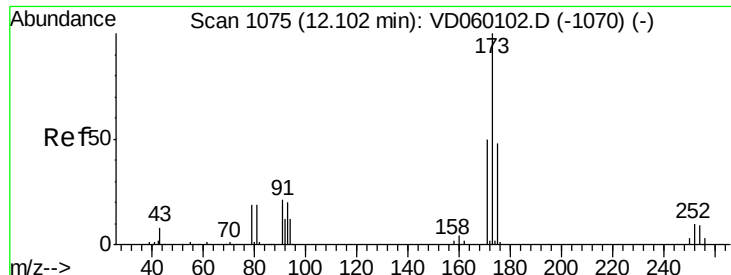
#70
Styrene
Concen: 53.510 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

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



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

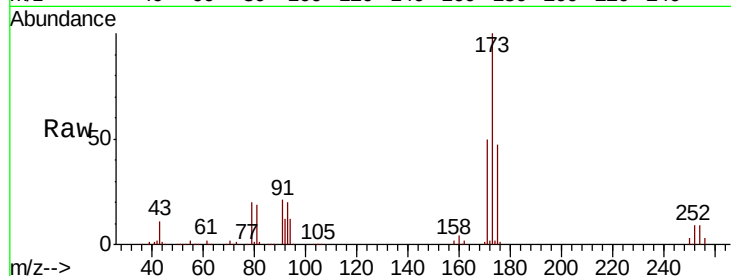




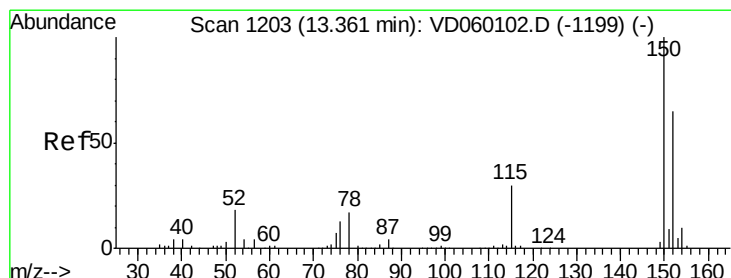
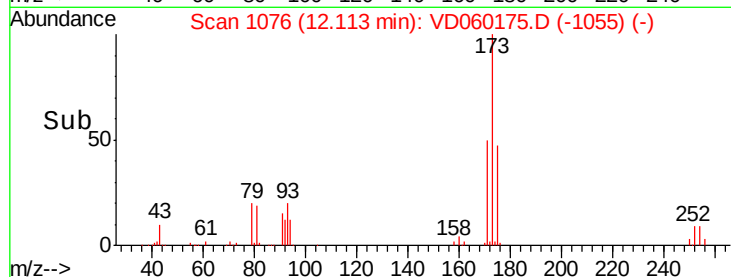
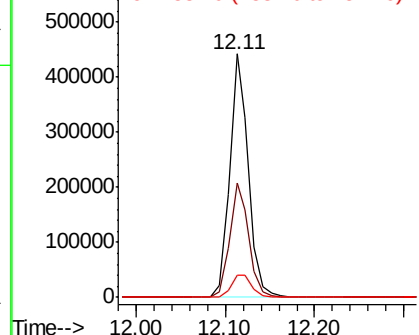
#71
Bromoform
Concen: 56.360 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 652414
Ion Ratio Lower Upper
173 100
175 47.1 24.1 72.4
254 8.9 7.4 11.0

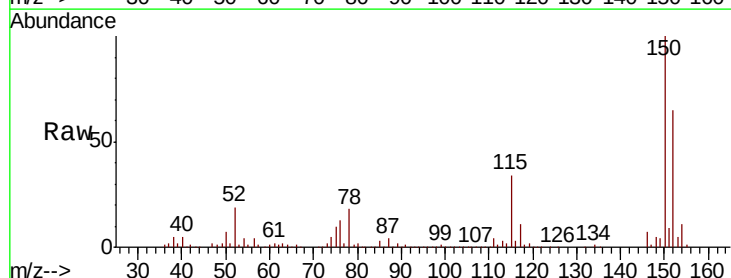


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

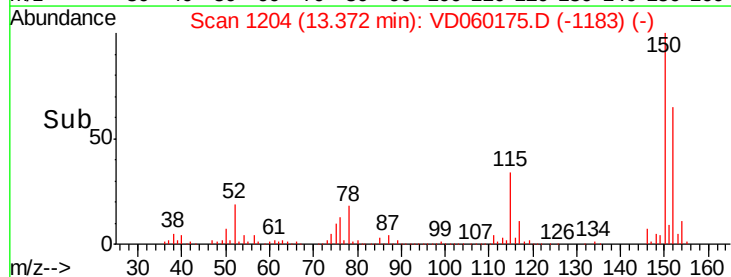
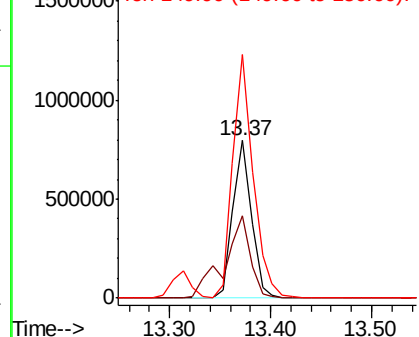


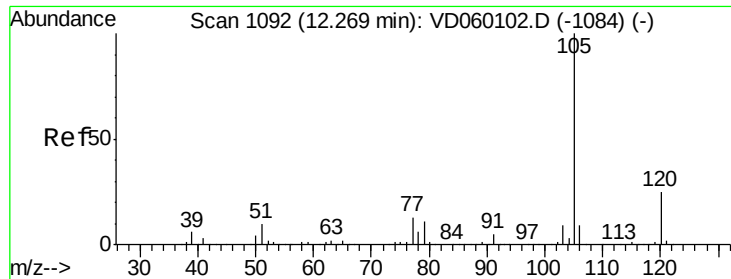
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Tgt Ion:152 Resp: 1015717
Ion Ratio Lower Upper
152 100
115 51.9 27.1 81.2
150 154.5 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.128 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

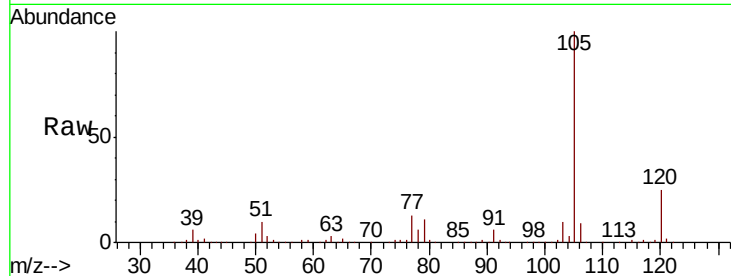
VSTDCCC050

Tot Ion:105 Resp: 3761084

Ion Ratio Lower Upper

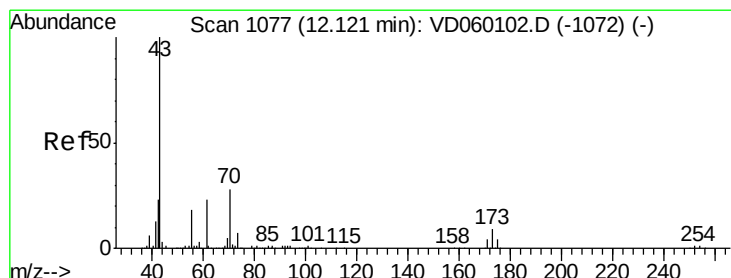
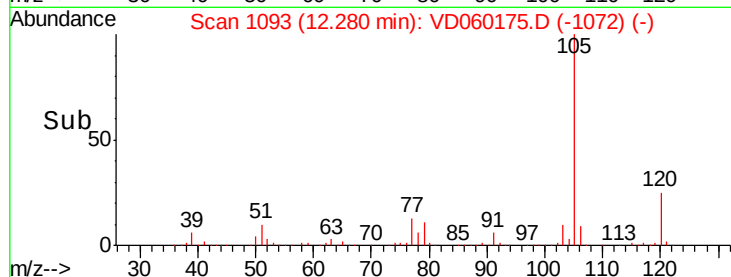
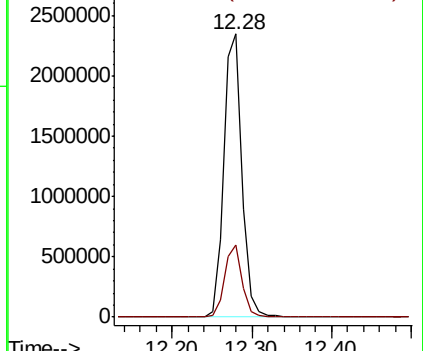
105 100

120 25.3 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.157 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Tgt Ion: 43 Resp: 1353803

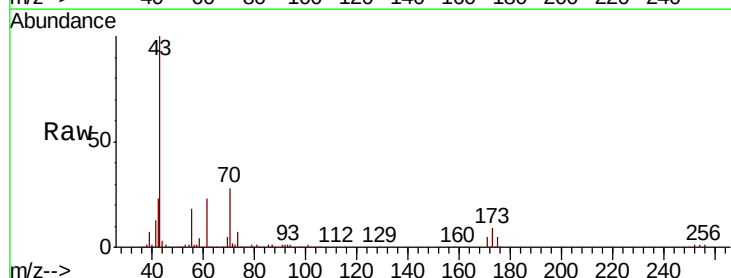
Ion Ratio Lower Upper

43 100

70 28.0 22.1 33.1

55 18.0 14.1 21.1

61 22.9 18.4 27.6

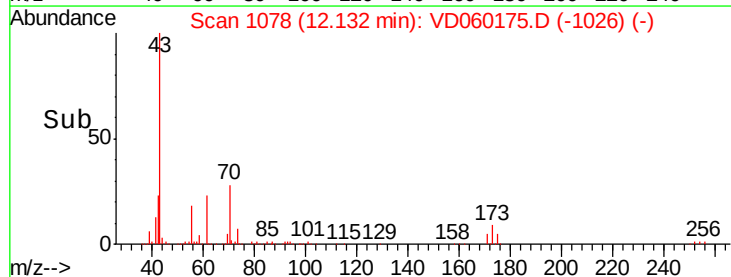
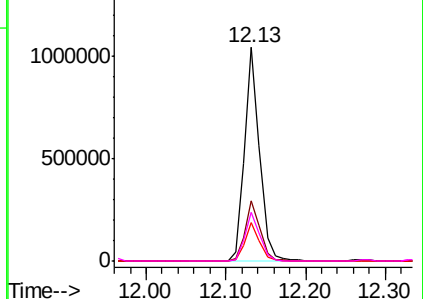


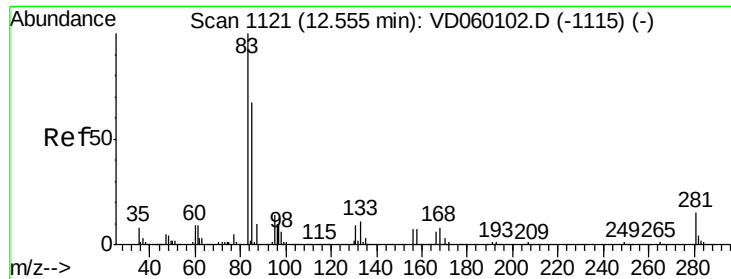
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.022 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

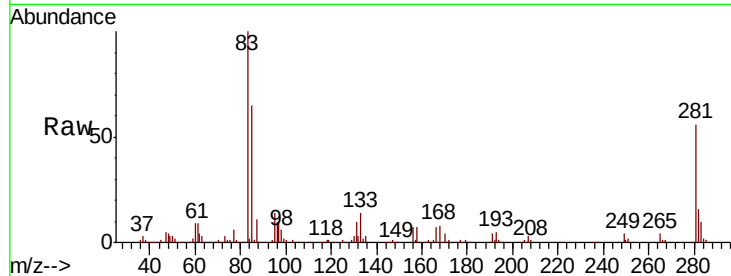
Tot Ion: 83 Resp: 775666

Ion Ratio Lower Upper

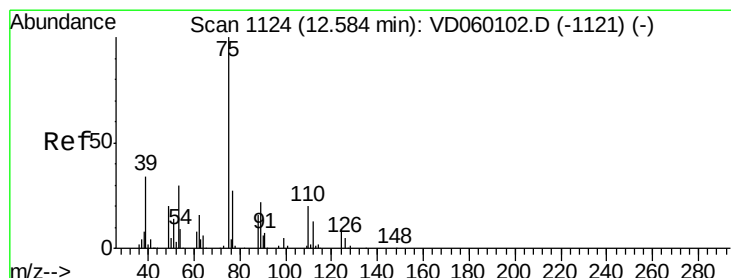
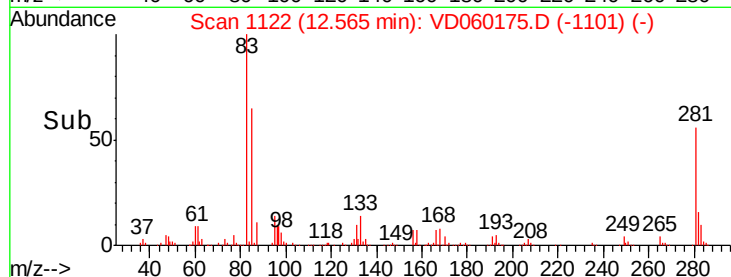
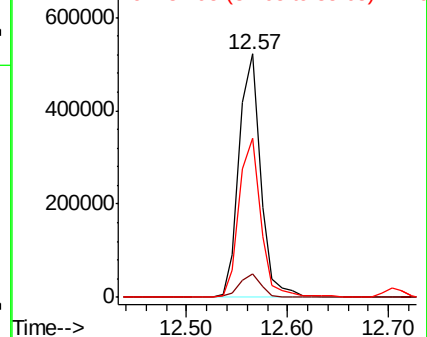
83 100

131 9.8 4.5 13.4

85 65.3 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 55.462 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060175.D

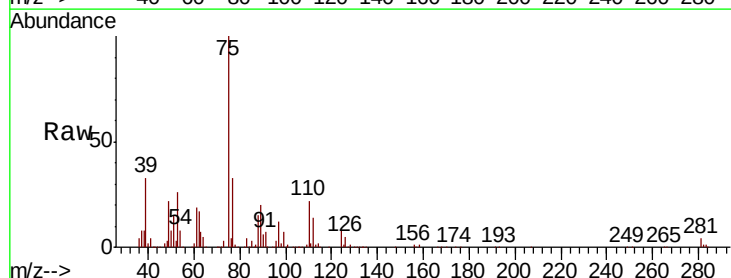
Acq: 24 Oct 2018 11:38

Tgt Ion: 75 Resp: 811277

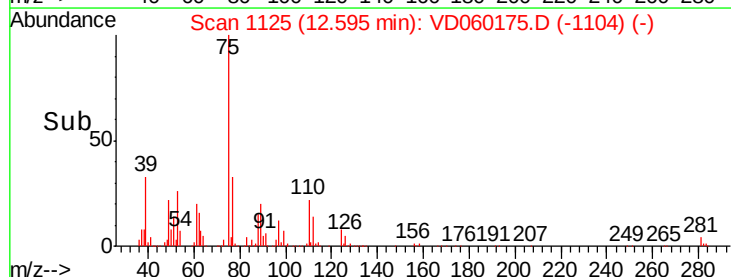
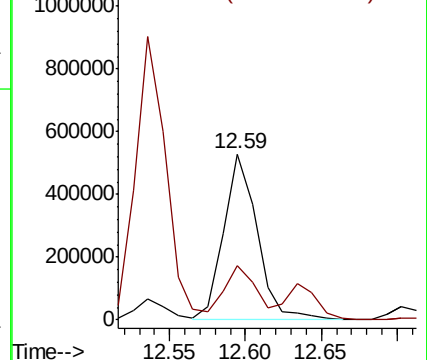
Ion Ratio Lower Upper

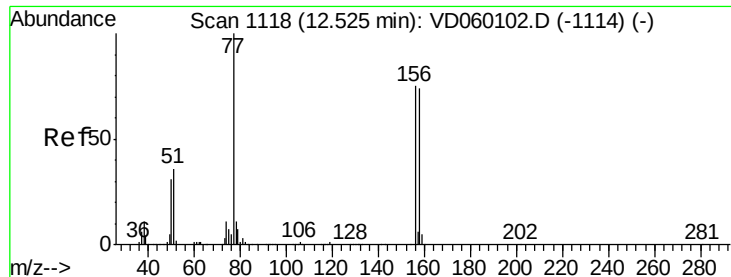
75 100

77 33.0 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.009 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

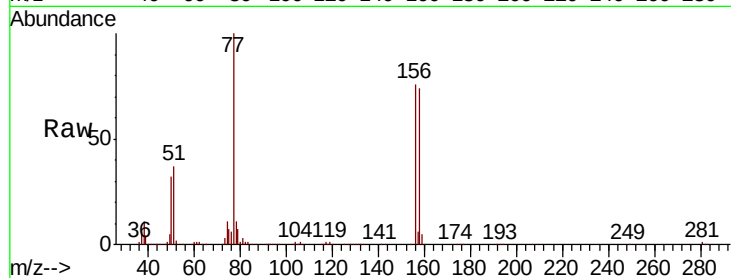
Tot Ion:156 Resp: 1051680

Ion Ratio Lower Upper

156 100

77 132.3 66.9 200.7

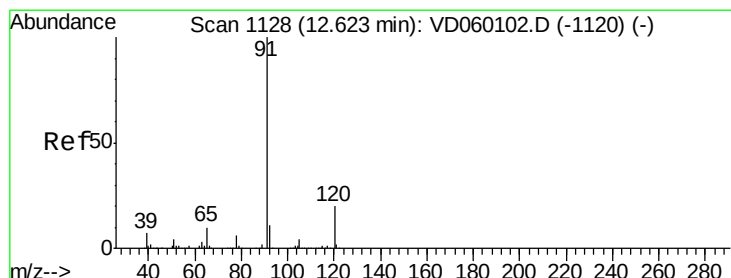
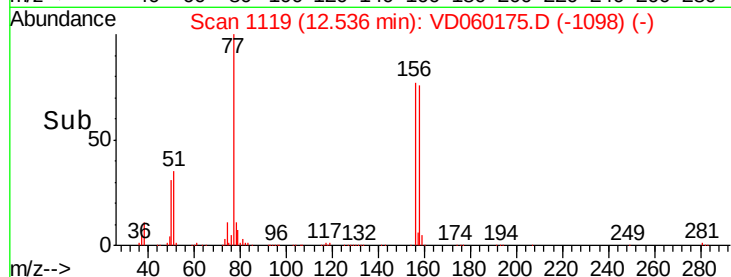
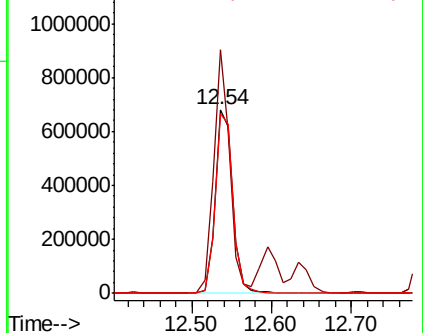
158 97.6 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.388 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060175.D

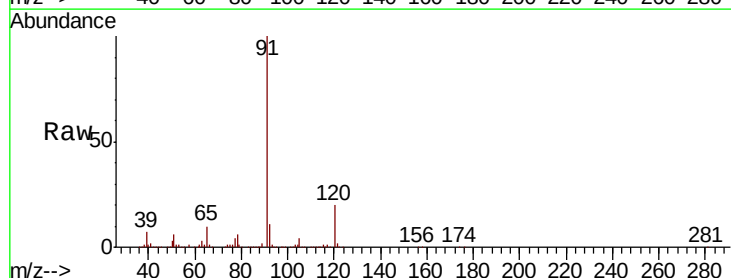
Acq: 24 Oct 2018 11:38

Tgt Ion: 91 Resp: 4691793

Ion Ratio Lower Upper

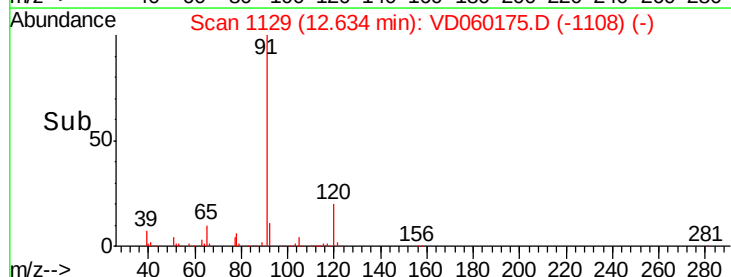
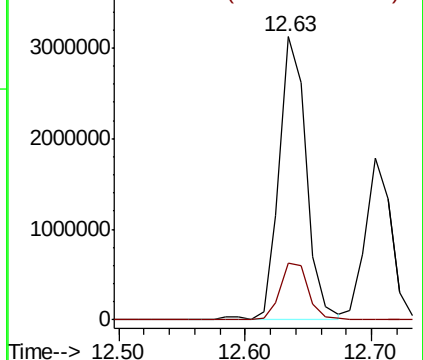
91 100

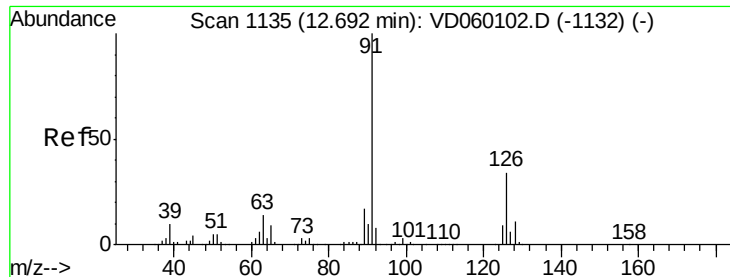
120 20.2 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

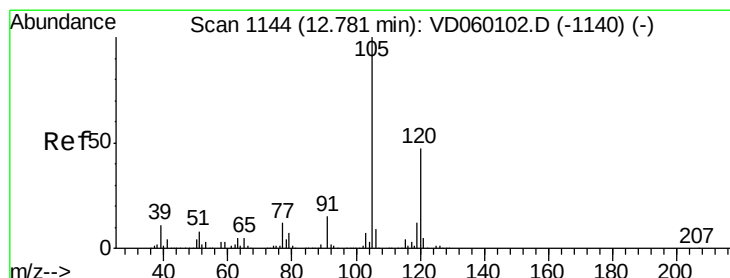
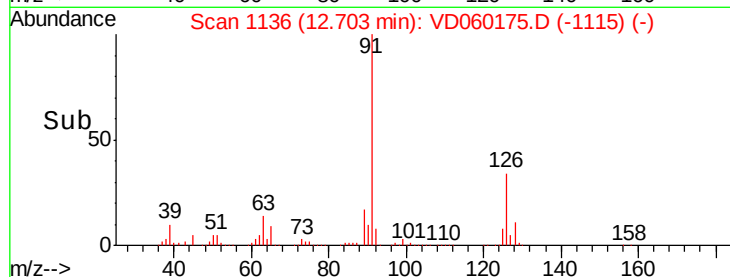
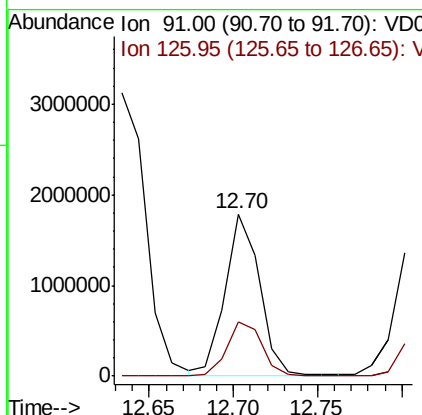
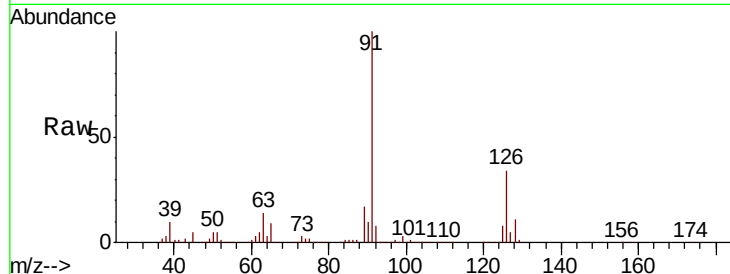




#79
 2-Chlorotoluene
 Concen: 54.432 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

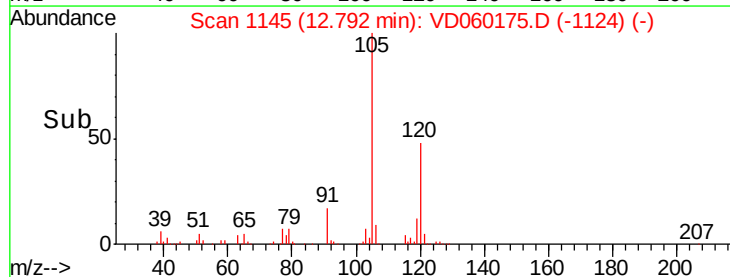
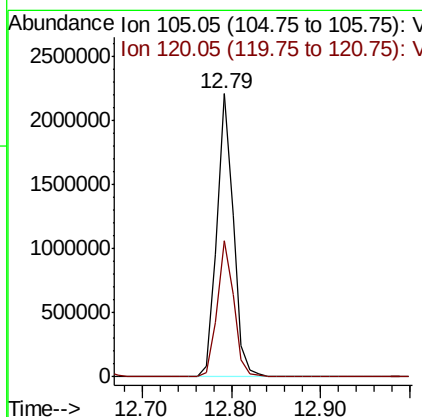
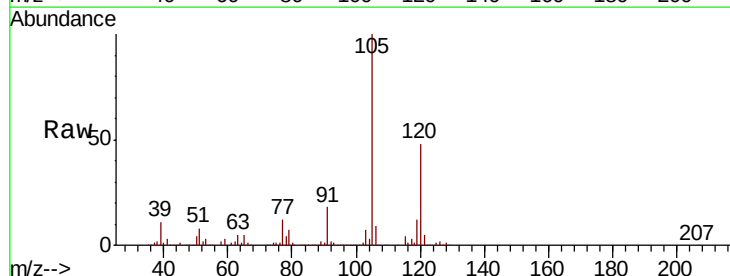
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

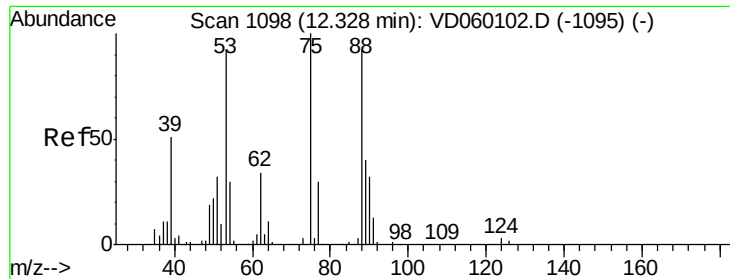
Tot Ion: 91 Resp: 2513642
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 54.939 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion:105 Resp: 2849247
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 58.417 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

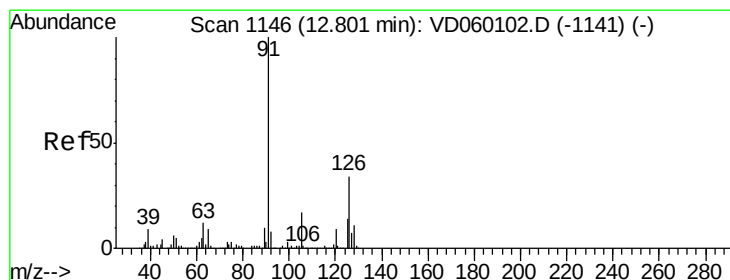
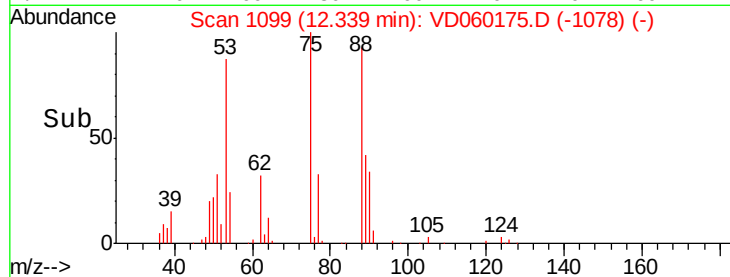
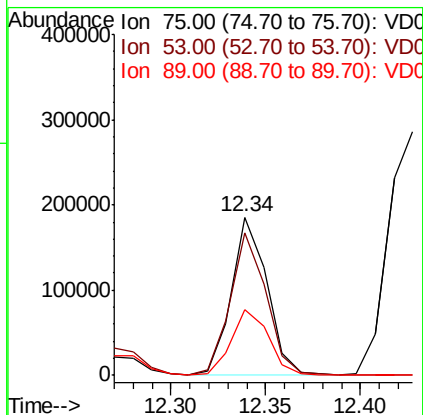
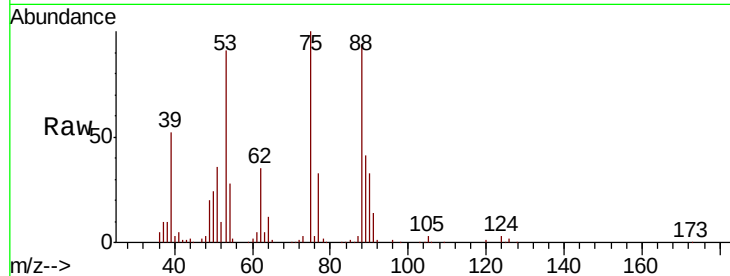
Tot Ion: 75 Resp: 240102

Ion Ratio Lower Upper

75 100

53 90.6 73.0 109.6

89 41.5 32.0 48.0



#82

4-Chlorotoluene

Concen: 54.152 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060175.D

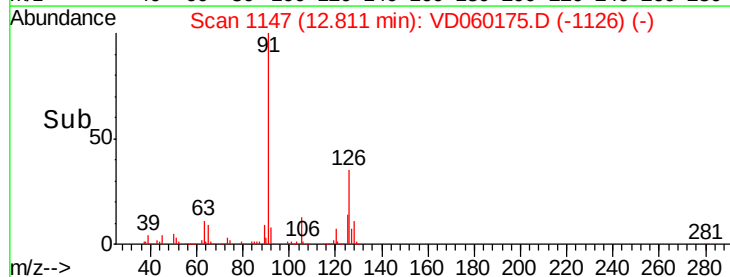
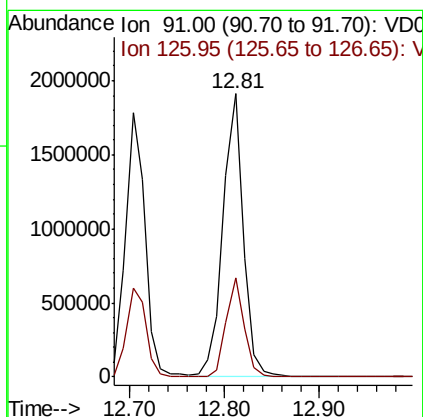
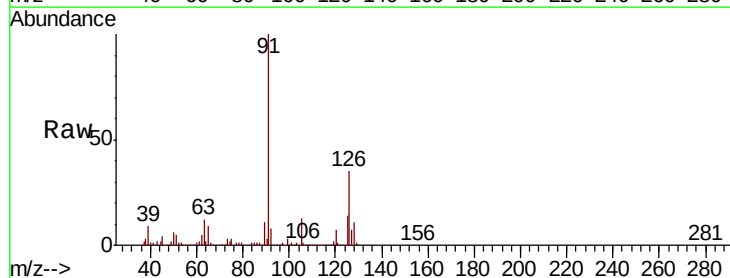
Acq: 24 Oct 2018 11:38

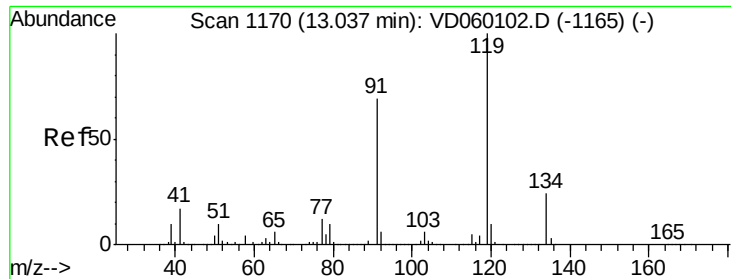
Tgt Ion: 91 Resp: 2828450

Ion Ratio Lower Upper

91 100

126 34.9 17.1 51.2



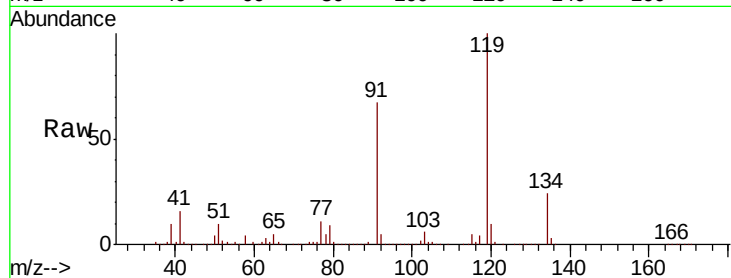


#83
 tert-Butylbenzene
 Concen: 55.755 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

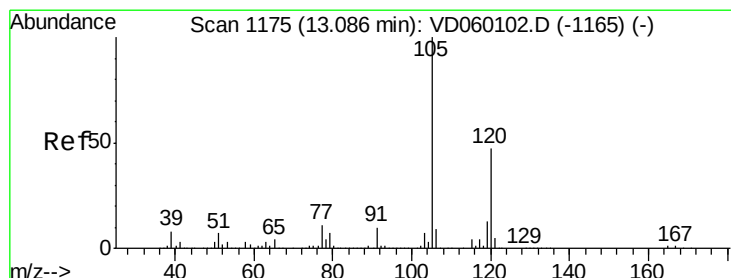
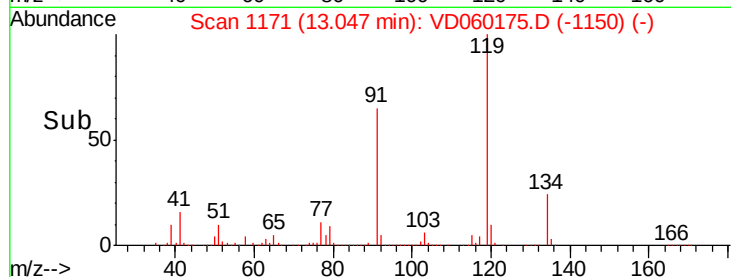
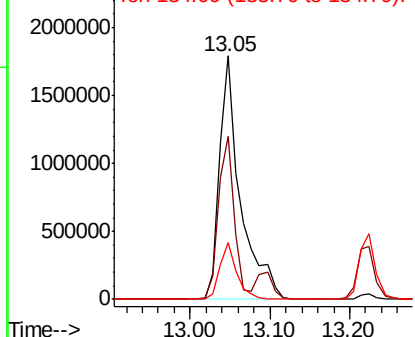
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3318153

Ion	Ratio	Lower	Upper
119	100		
91	67.0	34.8	104.4
134	23.6	11.8	35.4



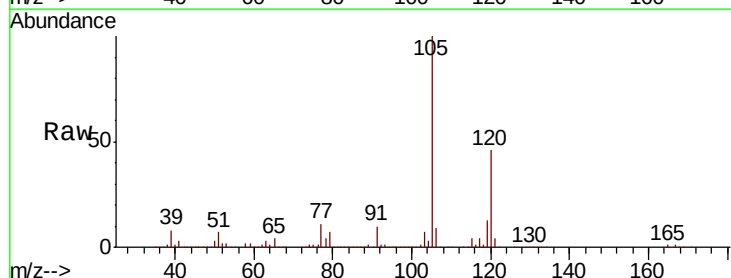
Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



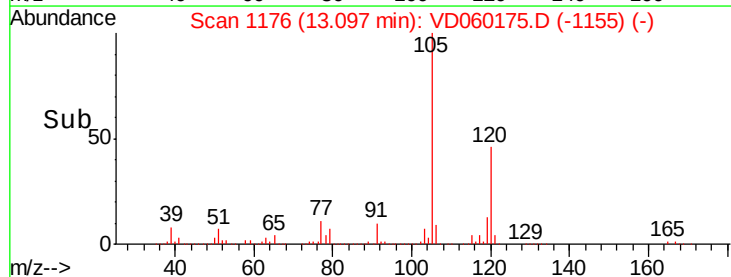
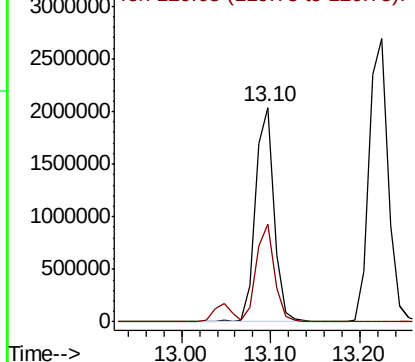
#84
 1,2,4-Trimethylbenzene
 Concen: 52.883 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

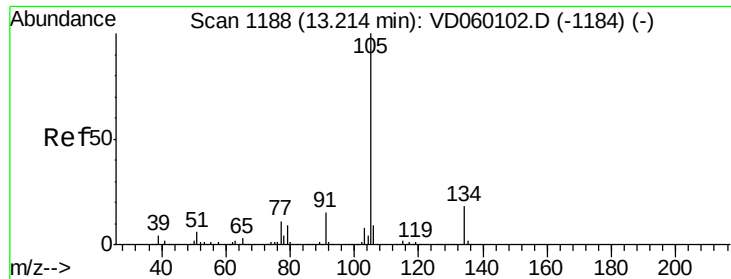
Tgt Ion:105 Resp: 2890514

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.0



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





#85

sec-Butylbenzene

Concen: 56.045 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

Instrument :

MSVOA_D

ClientSampleId :

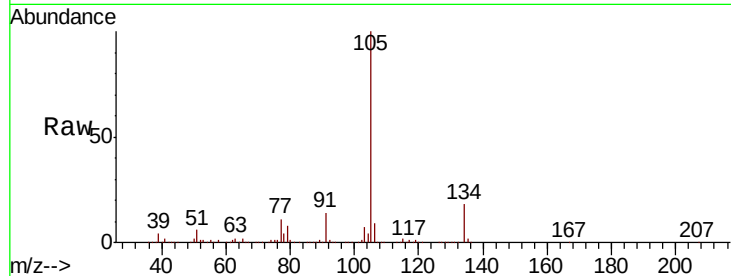
VSTDCCC050

Tot Ion:105 Resp: 3943731

Ion Ratio Lower Upper

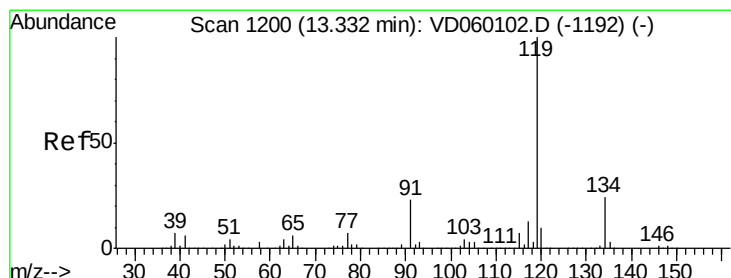
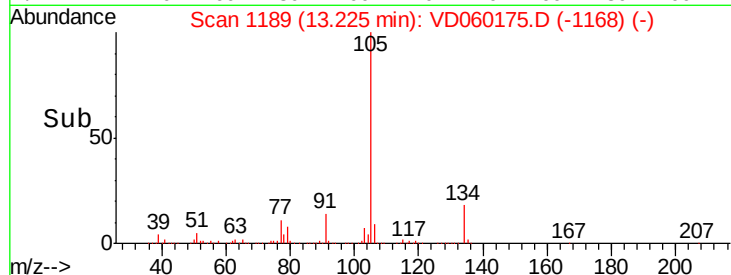
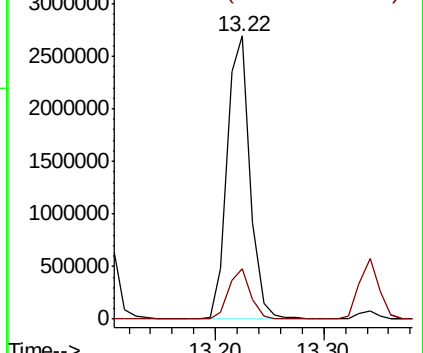
105 100

134 17.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.839 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060175.D

Acq: 24 Oct 2018 11:38

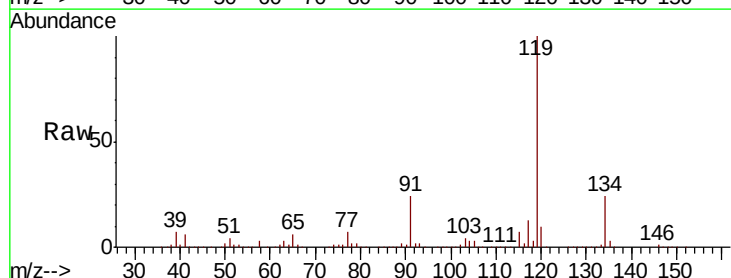
Tgt Ion:119 Resp: 3049657

Ion Ratio Lower Upper

119 100

134 24.5 12.3 36.8

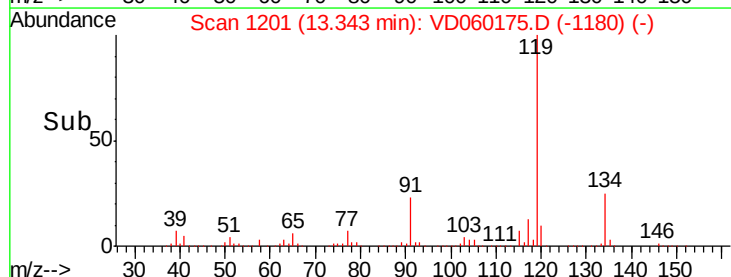
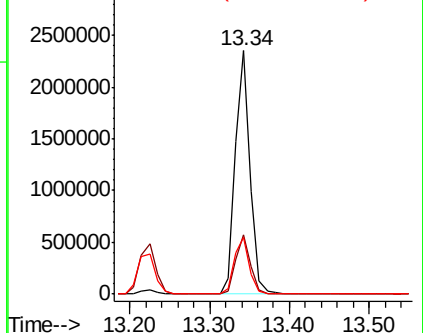
91 23.5 11.8 35.4

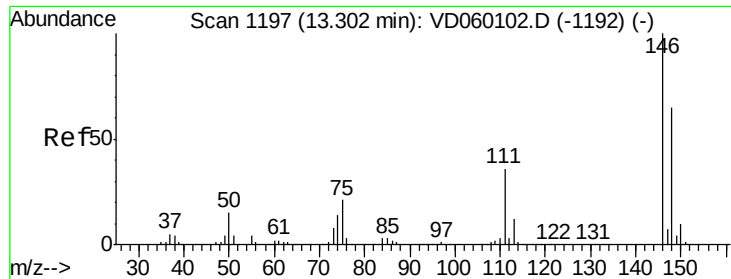


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

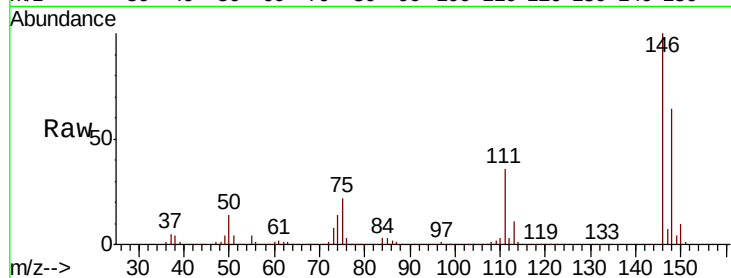




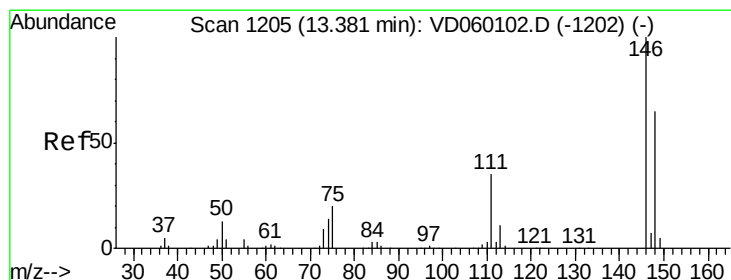
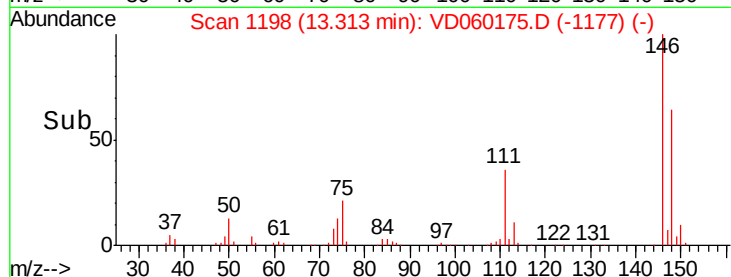
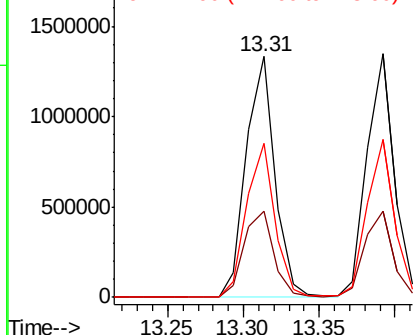
#87
 1,3-Dichlorobenzene
 Concen: 52.152 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1769296
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.3
 148 63.9 32.3 96.9

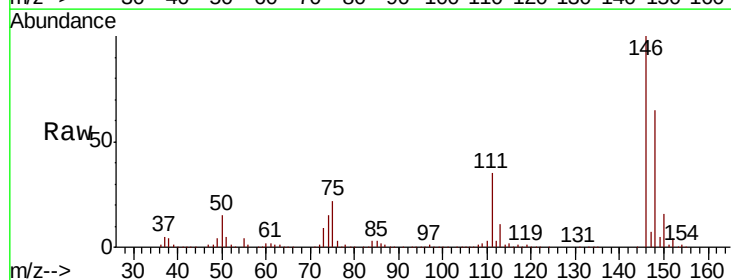


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

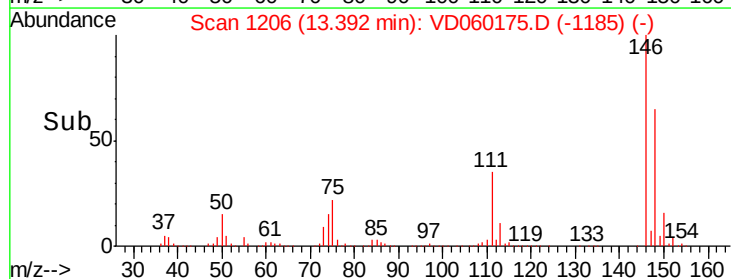
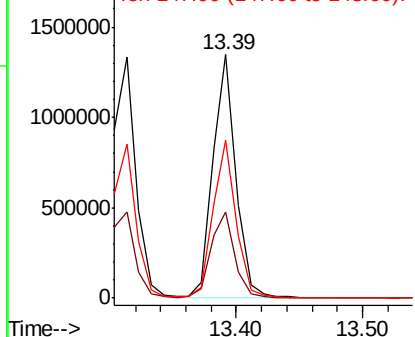


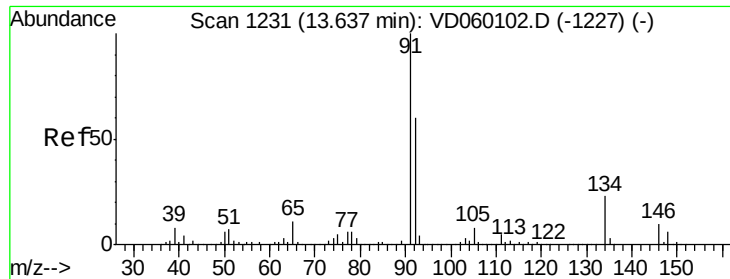
#88
 1,4-Dichlorobenzene
 Concen: 50.019 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion:146 Resp: 1704476
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.8 53.3
 148 64.8 32.4 97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

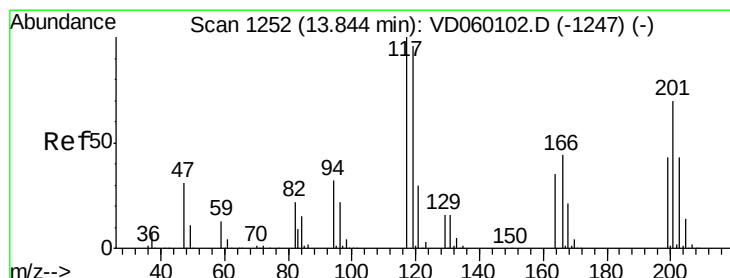
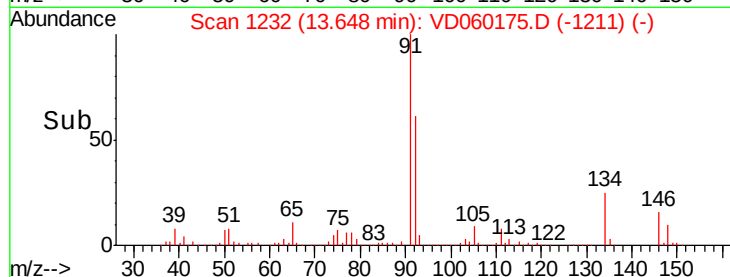
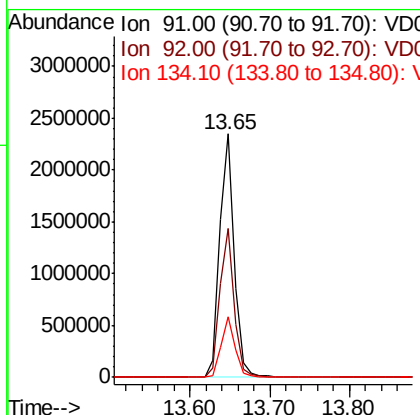
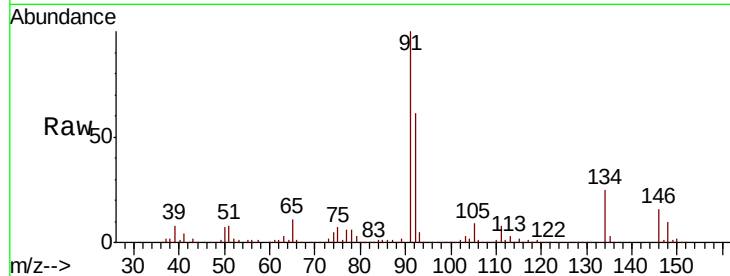




#89
n-Butylbenzene
Concen: 53.836 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

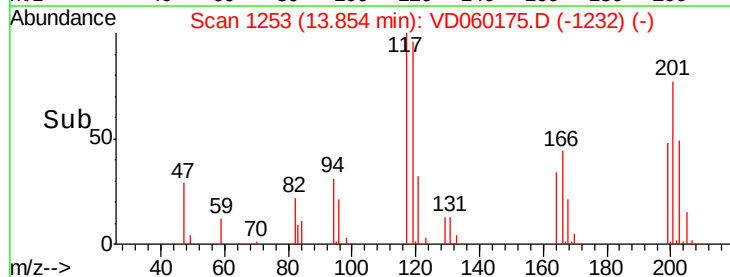
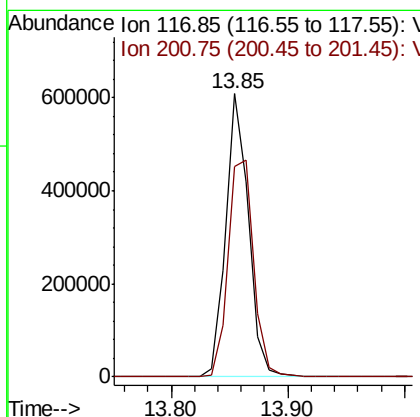
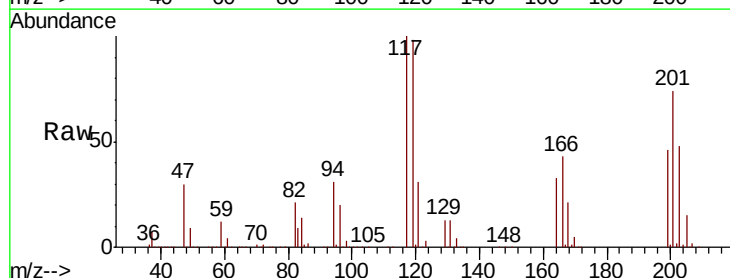
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

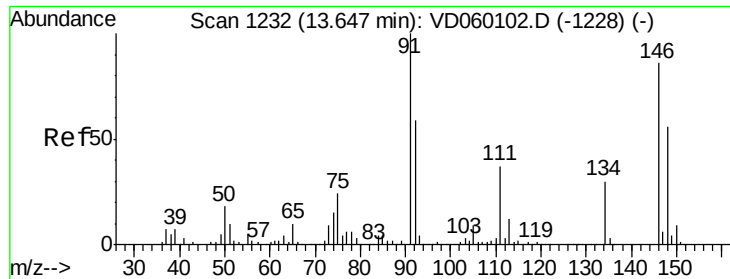
Tot Ion: 91 Resp: 3031879
Ion Ratio Lower Upper
91 100
92 60.9 30.1 90.3
134 24.9 11.6 34.7



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

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

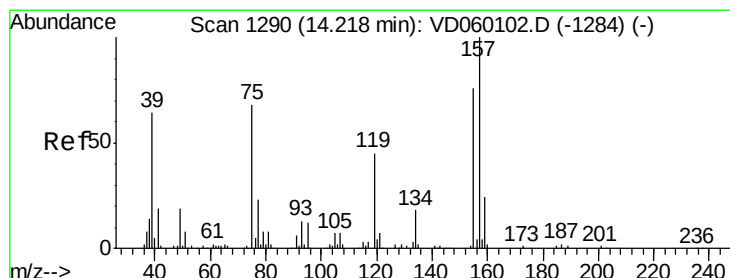
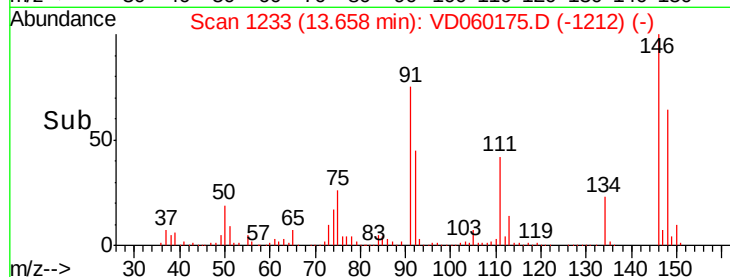
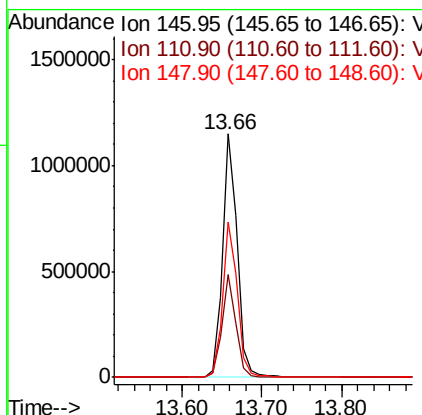
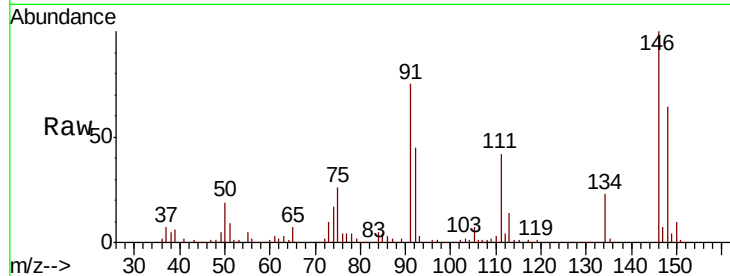




#91
 1,2-Dichlorobenzene
 Concen: 52.255 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

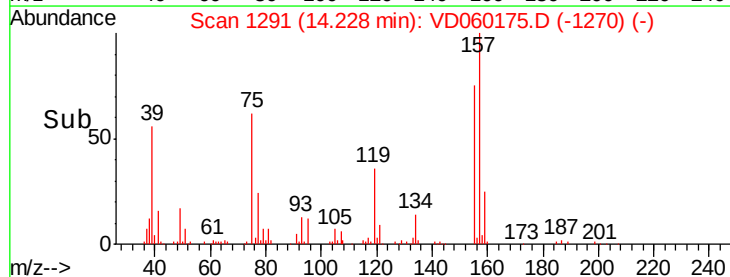
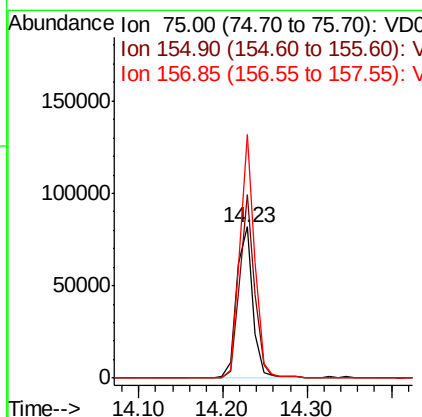
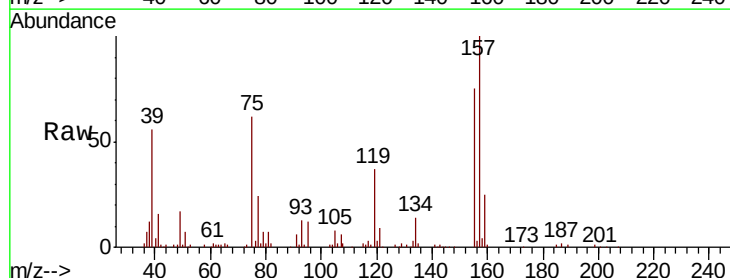
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

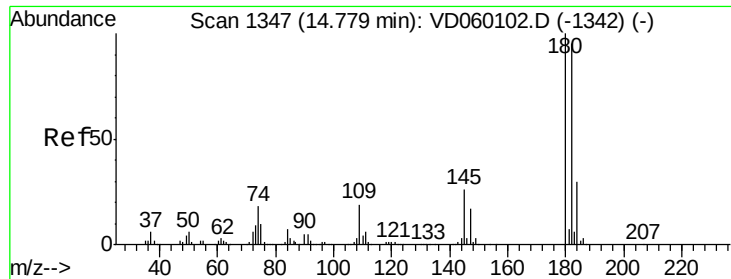
Tot Ion:146 Resp: 1490635
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.4 64.3
 148 63.7 32.2 96.6



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

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

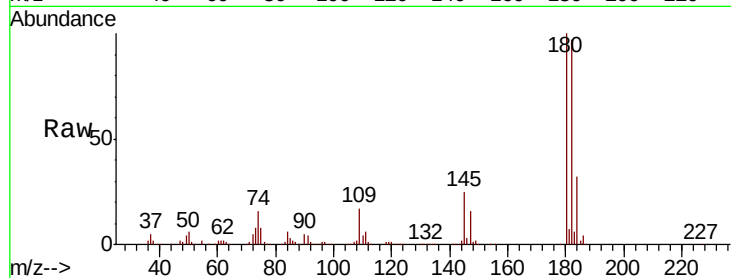




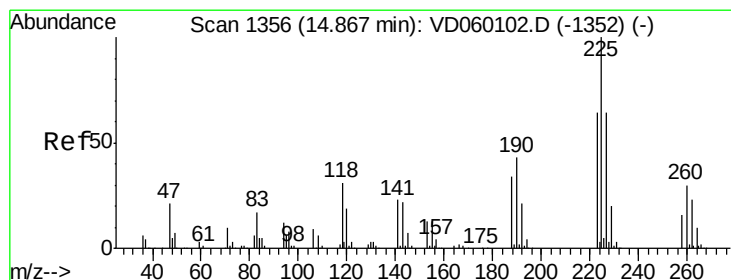
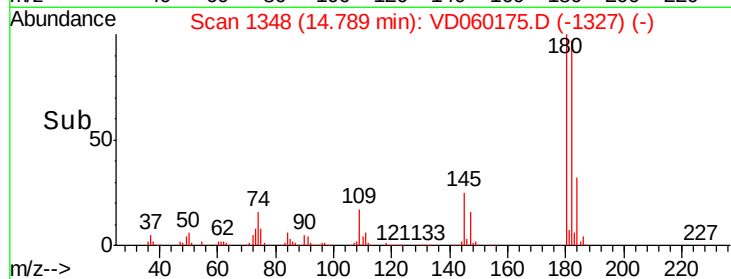
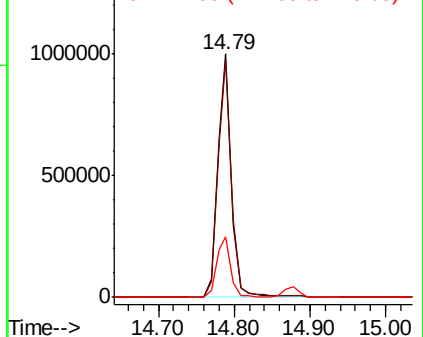
#93
 1,2,4-Trichlorobenzene
 Concen: 52.432 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1269499
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.3 141.8
 145 24.6 13.0 38.9

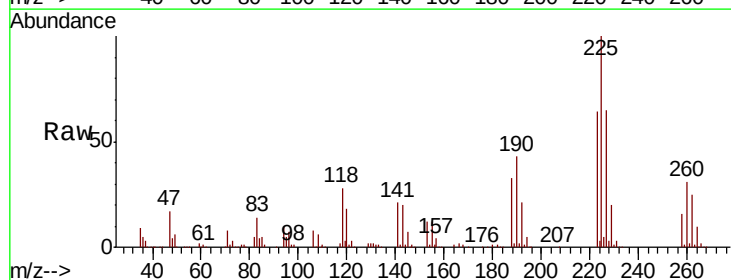


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

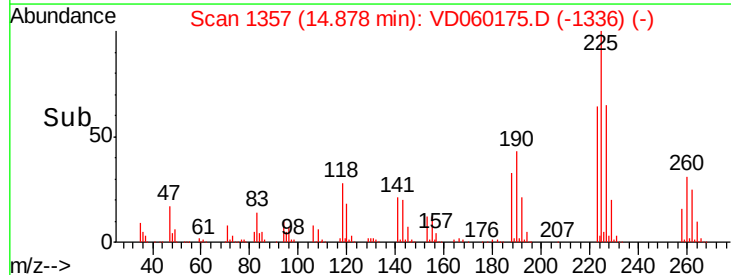
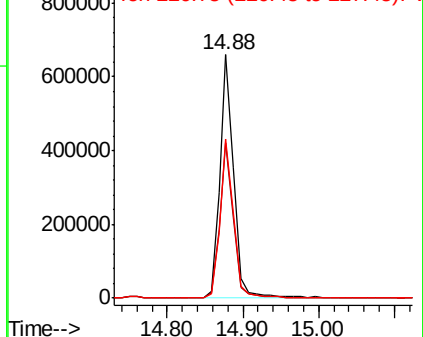


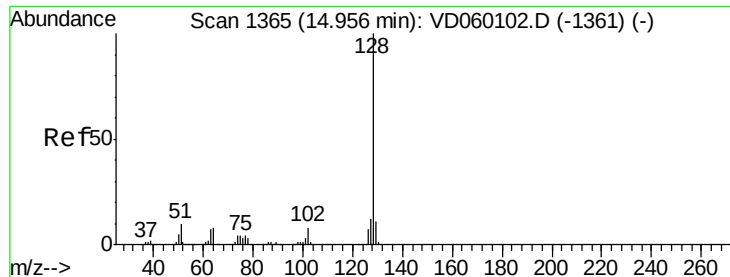
#94
 Hexachlorobutadiene
 Concen: 53.052 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060175.D
 Acq: 24 Oct 2018 11:38

Tgt Ion:225 Resp: 853826
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.8 95.4
 227 65.4 32.0 96.0



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

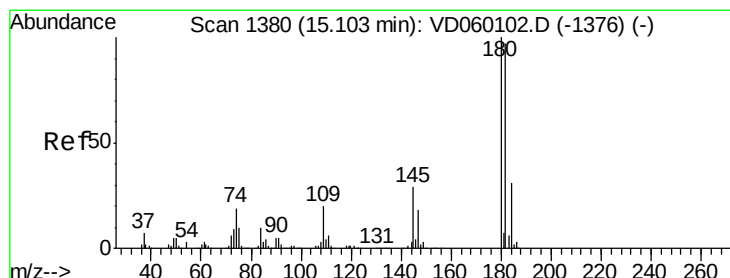
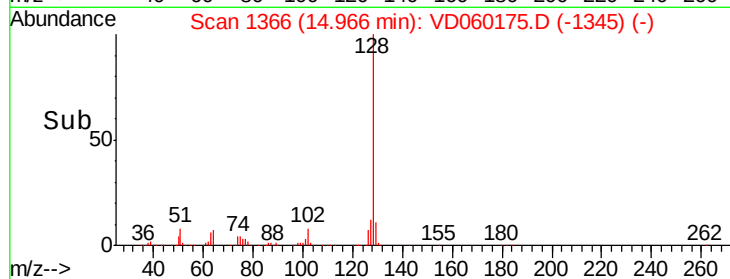
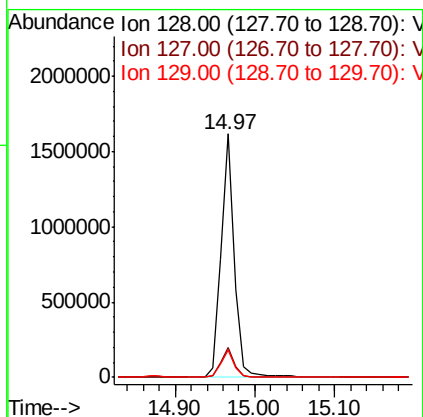
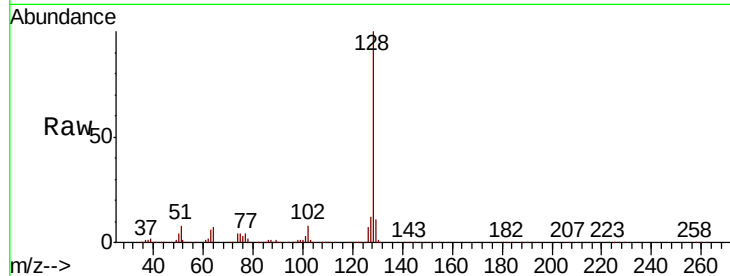




#95
Naphthalene
Concen: 53.064 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060175.D
Acq: 24 Oct 2018 11:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1904474
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.2 8.8 13.2



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

Tgt Ion:180 Resp: 1083031
Ion Ratio Lower Upper
180 100
182 96.5 48.4 145.0
145 26.3 14.5 43.6

