

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060227.D
 Acq On : 29 Oct 2018 13:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 29 15:19:27 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	6.43	168	1643682	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	7.46	114	2293381	50.00	ug/l	0.05
63) Chlorobenzene-d5	11.29	117	1842098	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	977192	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	680117	54.59	ug/l	0.05
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	6.34	113	909197	52.21	ug/l	0.05
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	9.47	98	2513765	50.62	ug/l	0.04
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.43	95	934259	50.25	ug/l	0.02
Spiked Amount			Recovery	=	100.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	764974	49.476	ug/l	98
3) Chloromethane	1.78	50	731440	52.463	ug/l	98
4) Vinyl Chloride	1.87	62	616945	54.071	ug/l	98
5) Bromomethane	2.16	94	93908	65.548	ug/l	97
6) Chloroethane	2.27	64	172529	55.411	ug/l	95
7) Trichlorofluoromethane	2.52	101	762148	55.787	ug/l	99
8) Diethyl Ether	2.84	74	177158	63.062	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.11	101	527141	61.936	ug/l	99
10) Methyl Iodide	3.26	142	557995	61.822	ug/l	97
11) Tert butyl alcohol	3.99	59	259209	290.084	ug/l	99
12) 1,1-Dichloroethene	3.10	96	415653	61.991	ug/l	92
13) Acrolein	3.00	56	115744	210.124	ug/l	99
14) Allyl chloride	3.56	41	801620	57.564	ug/l	99
15) Acrylonitrile	4.11	53	1035537	279.982	ug/l	99
16) Acetone	3.17	43	729100	322.497	ug/l	100
17) Carbon Disulfide	3.33	76	1207027	53.532	ug/l	98
18) Methyl Acetate	3.58	43	379319	78.062	ug/l	100
19) Methyl tert-butyl Ether	4.15	73	1637118	55.533	ug/l	98
20) Methylene Chloride	3.75	84	941060	53.153	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	874057	50.474	ug/l	99
22) Diisopropyl ether	4.88	45	3327264	53.500	ug/l	94
23) Vinyl Acetate	4.83	43	9193296	262.982	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1545080	54.794	ug/l	99
25) 2-Butanone	5.64	43	1576163	279.064	ug/l	98
26) 2,2-Dichloropropane	5.61	77	1208375	56.528	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	978170	53.314	ug/l	92
28) Bromochloromethane	5.95	49	749023	54.662	ug/l	93
29) Tetrahydrofuran	5.98	42	893071	272.223	ug/l	99
30) Chloroform	6.13	83	1621497	56.847	ug/l	100
31) Cyclohexane	6.39	56	1301035	48.199	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	1299978	55.629	ug/l	99
36) 1,1-Dichloropropene	6.55	75	1156391	52.767	ug/l	98
37) Ethyl Acetate	5.72	43	808773	55.599	ug/l	98
38) Carbon Tetrachloride	6.52	117	1061243	53.354	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	1298916	52.165	ug/l	99
40) Benzene	6.82	78	3030351	52.855	ug/l	99
41) Methacrylonitrile	5.97	41	923887	112.368	ug/l #	93
42) 1,2-Dichloroethane	6.91	62	902021	54.876	ug/l	97
43) Isopropyl Acetate	8.37	43	1038634	54.272	ug/l	99
44) Trichloroethene	7.76	130	916810	51.657	ug/l	98
45) 1,2-Dichloropropane	8.12	63	826294	55.041	ug/l	97
46) Dibromomethane	8.23	93	521453	53.651	ug/l	93
47) Bromodichloromethane	8.51	83	1168427	56.421	ug/l	99
48) Methyl methacrylate	8.26	41	601997	55.224	ug/l	99
49) 1,4-Dioxane	8.25	88	110543	1030.633	ug/l	96
51) 4-Methyl-2-Pentanone	9.36	43	3361946	278.523	ug/l	99
52) Toluene	9.57	92	1944966	52.673	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1075468	57.394	ug/l	98
54) cis-1,3-Dichloropropene	9.12	75	1280142	55.323	ug/l	97
55) 1,1,2-Trichloroethane	10.20	97	643283	53.290	ug/l	97
56) Ethyl methacrylate	10.05	69	762283	57.207	ug/l	98
57) 1,3-Dichloropropane	10.40	76	1034137	56.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	1971255	266.405	ug/l	98
59) 2-Hexanone	10.51	43	2426070	279.509	ug/l	99
60) Dibromochloromethane	10.65	129	843976	56.984	ug/l	98
61) 1,2-Dibromoethane	10.77	107	702380	54.762	ug/l	96
64) Tetrachloroethene	10.27	164	820526	50.857	ug/l	99
65) Chlorobenzene	11.33	112	2087518	52.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	745029	56.041	ug/l	98
67) Ethyl Benzene	11.44	91	3465985	53.681	ug/l	100
68) m/p-Xylenes	11.58	106	2600368	107.790	ug/l	100
69) o-Xylene	11.95	106	1261797	52.879	ug/l	99
70) Styrene	11.97	104	2105463	52.762	ug/l	99
71) Bromoform	12.13	173	621547	57.737	ug/l	100
73) Isopropylbenzene	12.29	105	3468427	53.801	ug/l	99
74) N-amyl acetate	12.15	43	1299634	55.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	778138	55.288	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	781969	55.566	ug/l	97
77) Bromobenzene	12.55	156	993450	53.030	ug/l	93
78) n-propylbenzene	12.65	91	4176150	52.170	ug/l	96
79) 2-Chlorotoluene	12.72	91	2374931	53.456	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	2602212	52.154	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.36	75	223146	56.432	ug/l	92
82) 4-Chlorotoluene	12.82	91	2646045	52.657	ug/l	94
83) tert-Butylbenzene	13.05	119	3076932	53.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2703763	51.416	ug/l	98
85) sec-Butylbenzene	13.23	105	3564163	52.648	ug/l	99
86) p-Isopropyltoluene	13.35	119	2954139	53.202	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	1716173	52.580	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	1671463	50.984	ug/l	98
89) n-Butylbenzene	13.65	91	2912669	53.759	ug/l	99
90) Hexachloroethane	13.87	117	742540	57.782	ug/l	69
91) 1,2-Dichlorobenzene	13.67	146	1476120	53.787	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.24	75	110358	58.726	ug/l	84

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QLast Update : Tue Oct 02 06:56:35 2018
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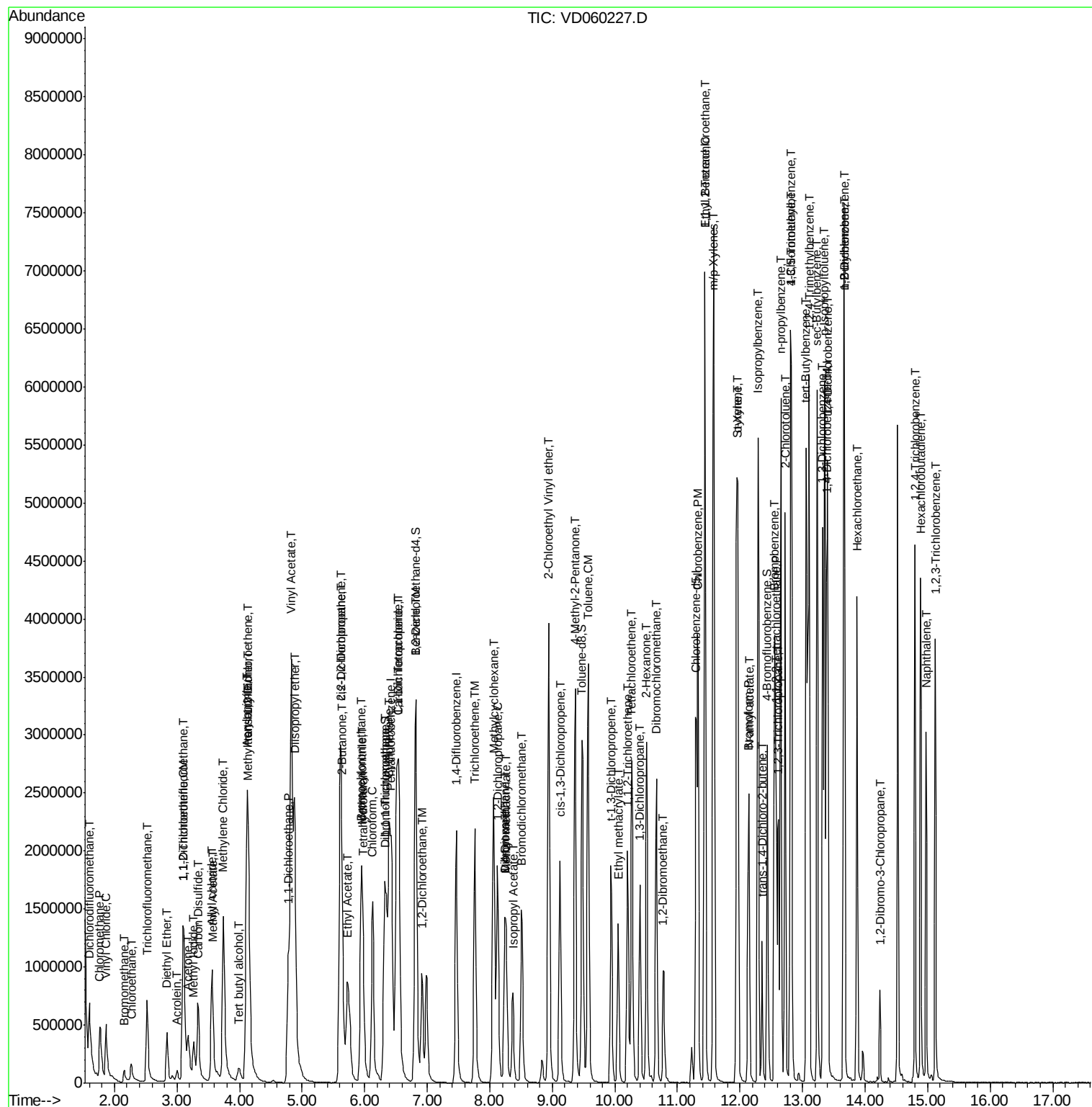
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1214913	52.155	ug/l	97
94) Hexachlorobutadiene	14.88	225	812250	52.458	ug/l	99
95) Naphthalene	14.97	128	1833570	53.103	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1021741	50.422	ug/l	99

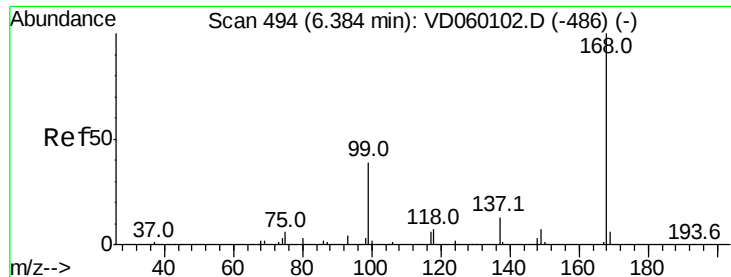
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

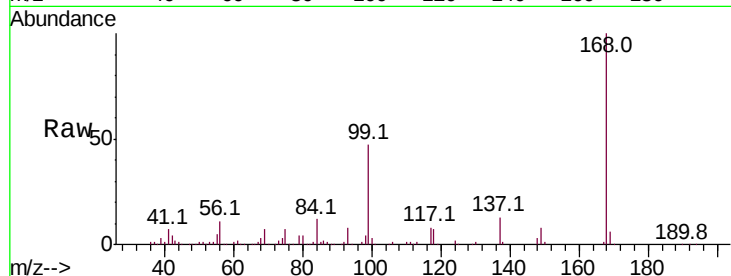
VSTDCCC050

Tot Ion:168 Resp: 1643682

Ion Ratio Lower Upper

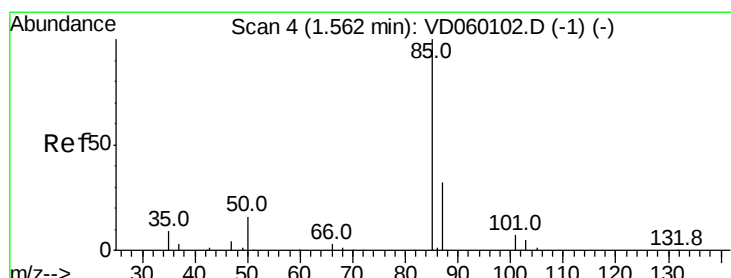
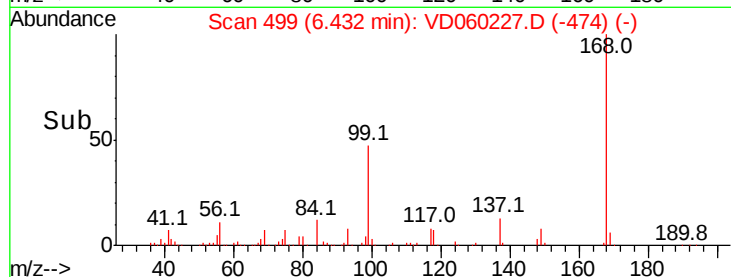
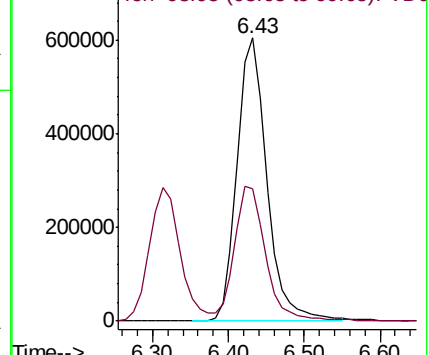
168 100

99 46.9 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: 49.476 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.04 min

Lab File: VD060227.D

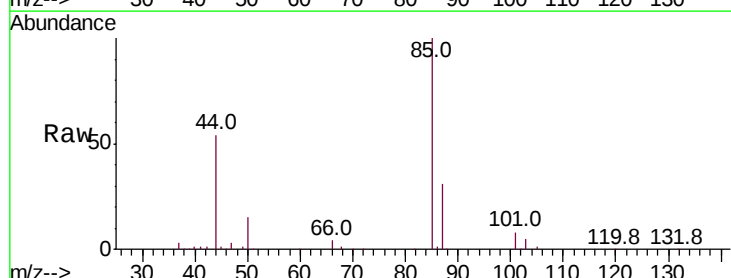
Acq: 29 Oct 2018 13:58

Tgt Ion: 85 Resp: 764974

Ion Ratio Lower Upper

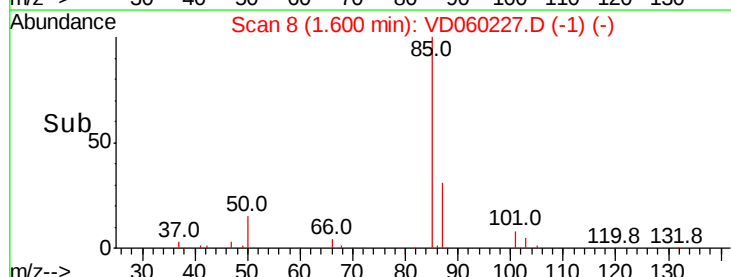
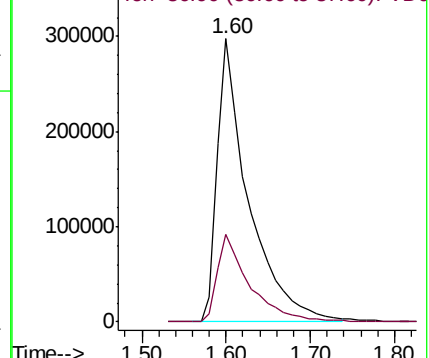
85 100

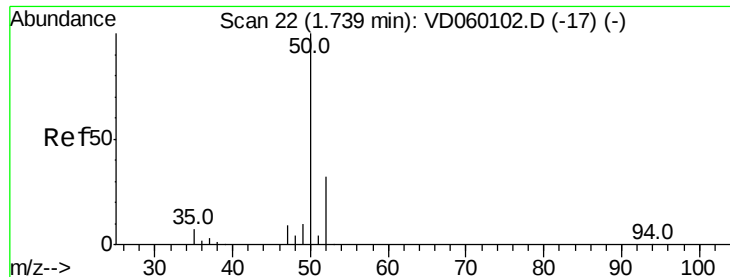
87 30.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.463 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

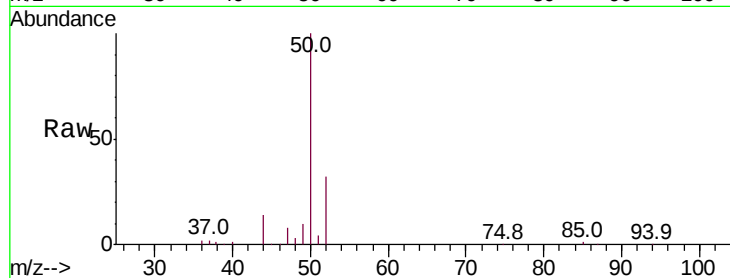
VSTDCCC050

Tot Ion: 50 Resp: 731440

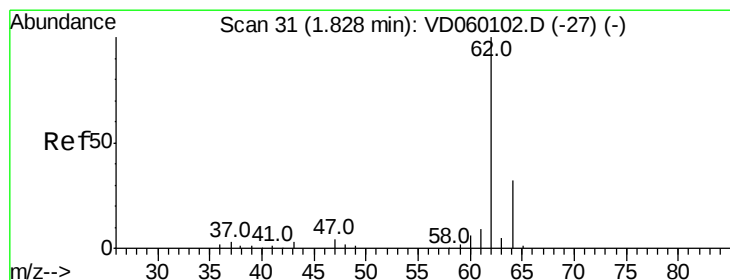
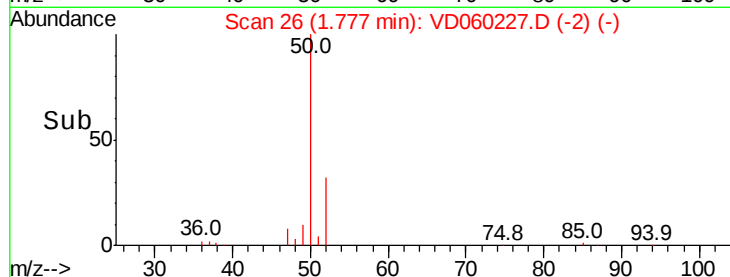
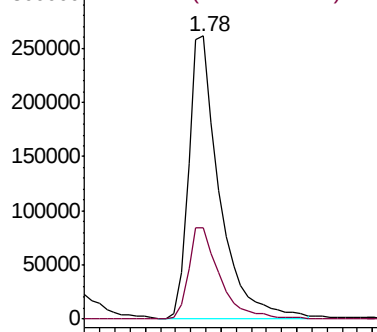
Ion Ratio Lower Upper

50 100

52 32.5 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.071 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.04 min

Lab File: VD060227.D

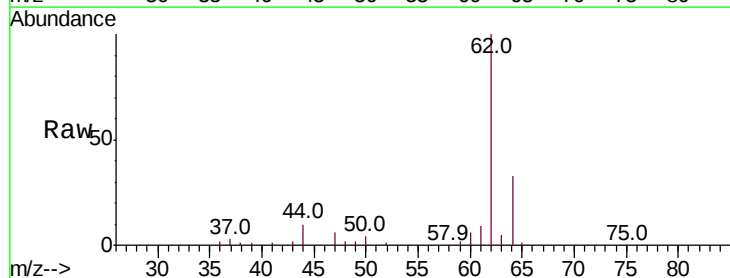
Acq: 29 Oct 2018 13:58

Tgt Ion: 62 Resp: 616945

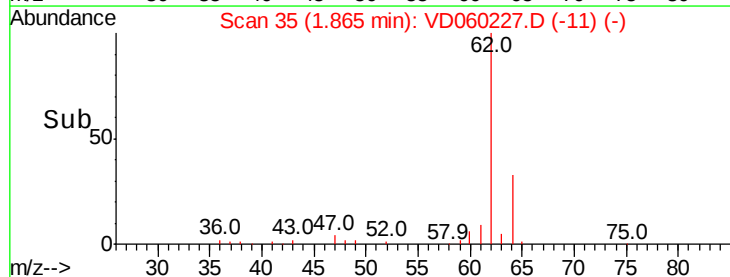
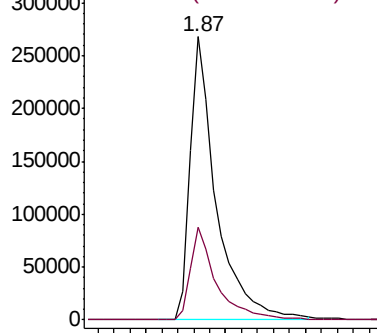
Ion Ratio Lower Upper

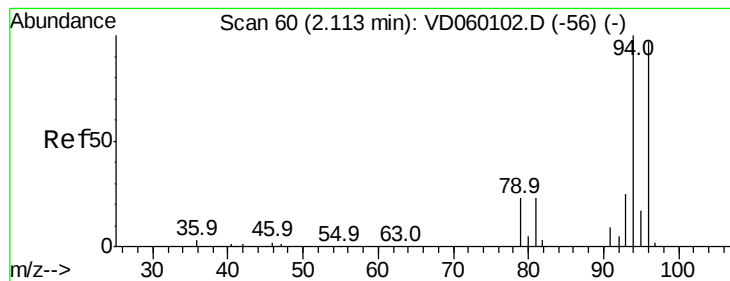
62 100

64 32.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 65.548 ug/l

RT: 2.16 min Scan# 65

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

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ClientSampleId :

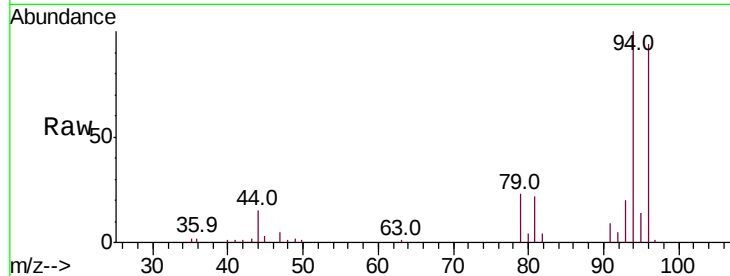
VSTDCCC050

Tot Ion: 94 Resp: 93908

Ion Ratio Lower Upper

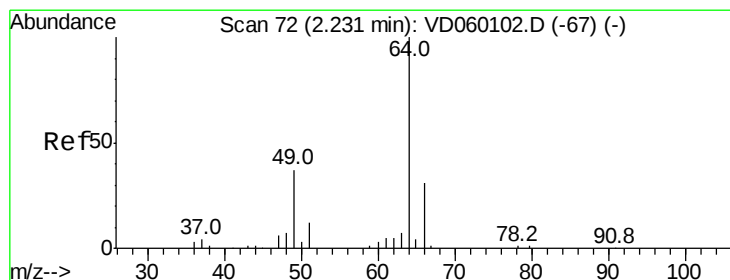
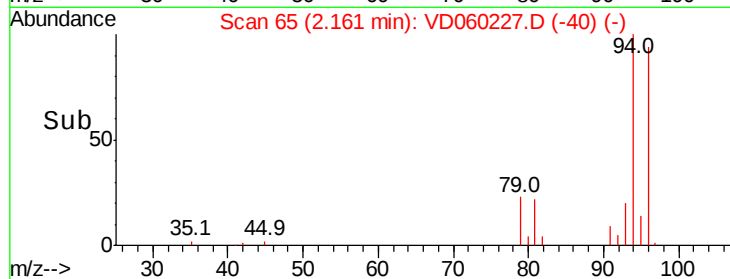
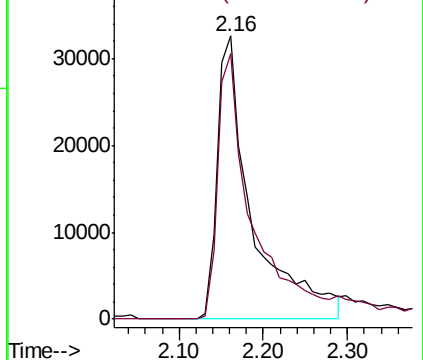
94 100

96 94.0 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.411 ug/l

RT: 2.27 min Scan# 76

Delta R.T. 0.04 min

Lab File: VD060227.D

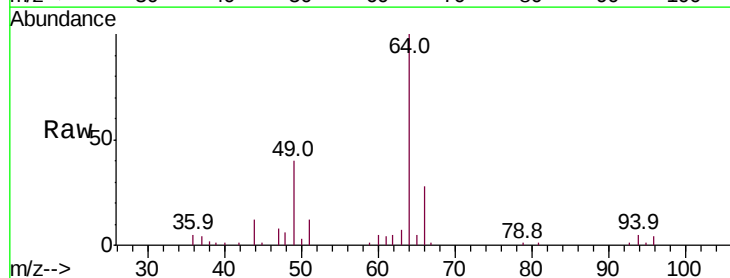
Acq: 29 Oct 2018 13:58

Tgt Ion: 64 Resp: 172529

Ion Ratio Lower Upper

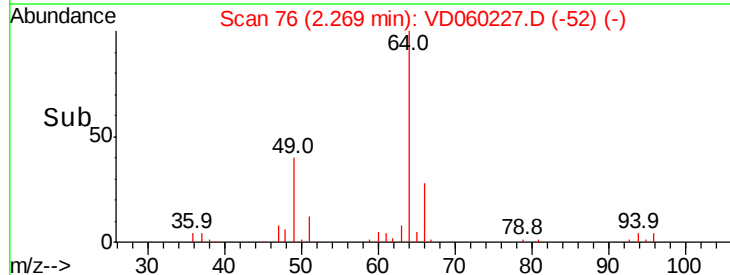
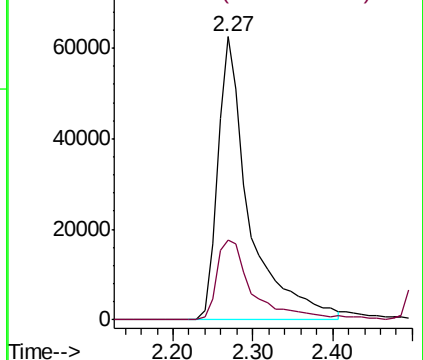
64 100

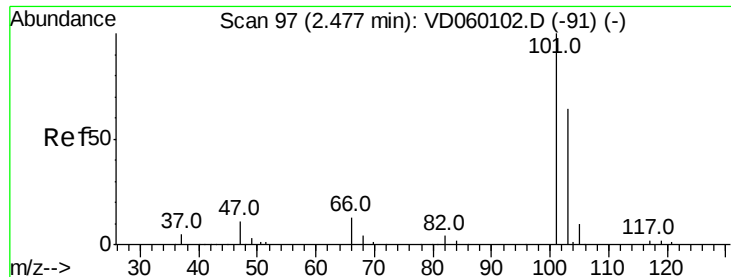
66 28.0 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



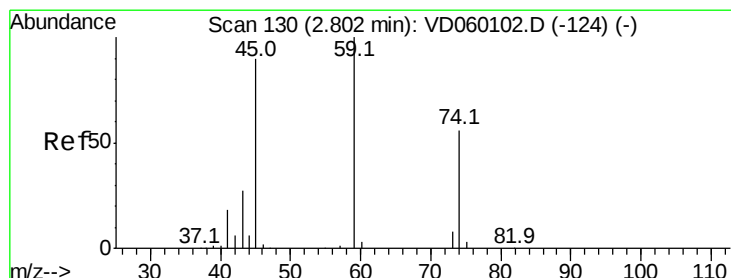
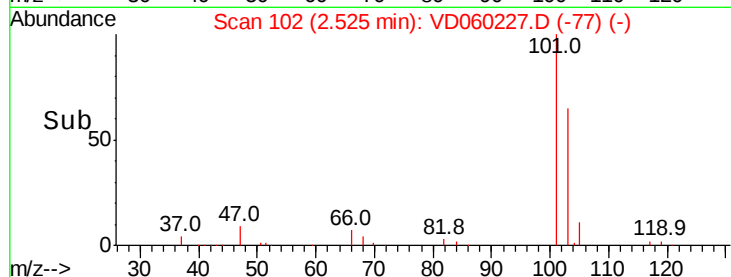
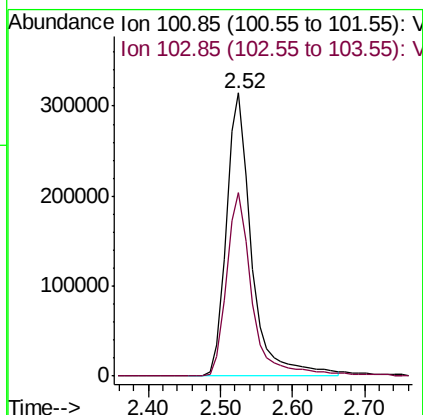
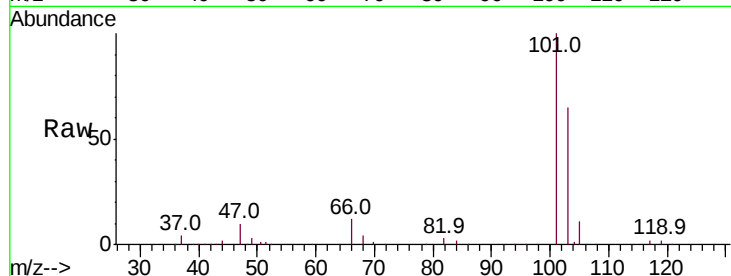


#7

Trichlorofluoromethane
 Concen: 55.787 ug/l
 RT: 2.52 min Scan# 102
 Delta R.T. 0.05 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Instrument :
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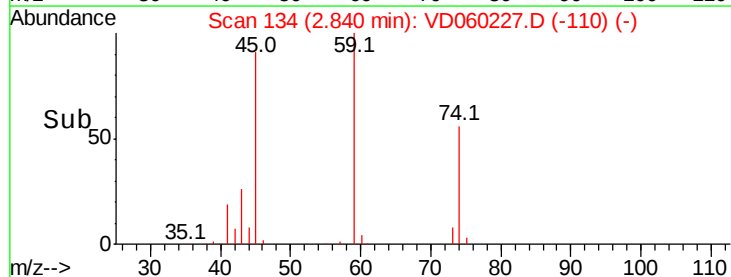
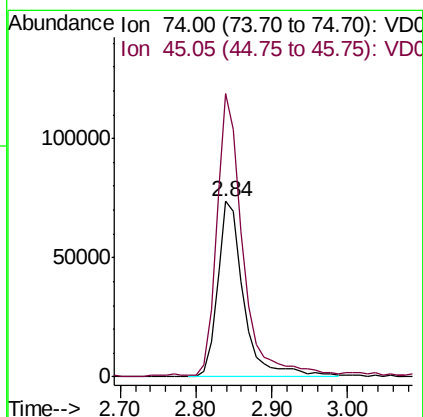
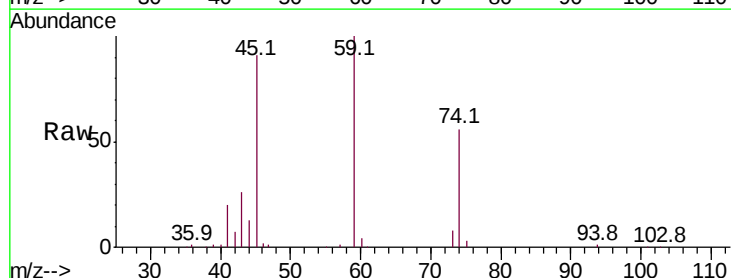
Tot Ion:101 Resp: 762148
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

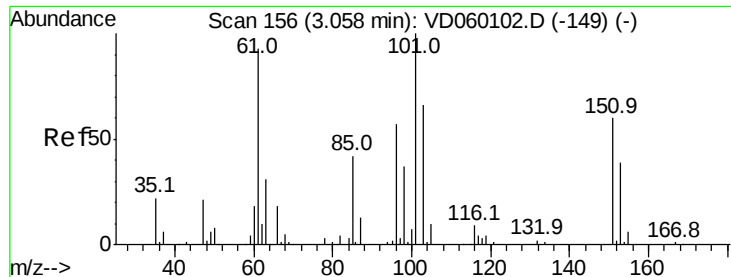


#8

Diethyl Ether
 Concen: 63.062 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.04 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 74 Resp: 177158
 Ion Ratio Lower Upper
 74 100
 45 161.4 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.936 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

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VSTDCCC050

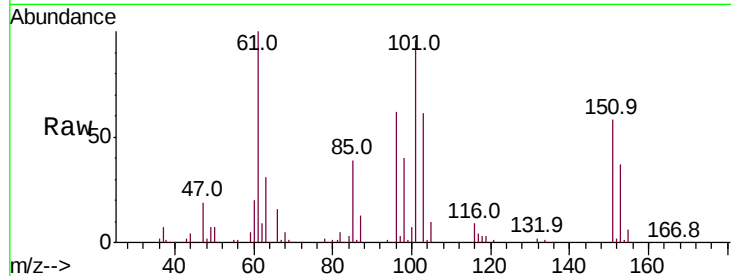
Tot Ion:101 Resp: 527141

Ion Ratio Lower Upper

101 100

85 40.3 33.4 50.0

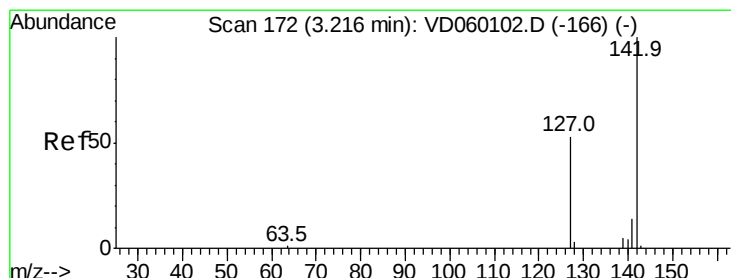
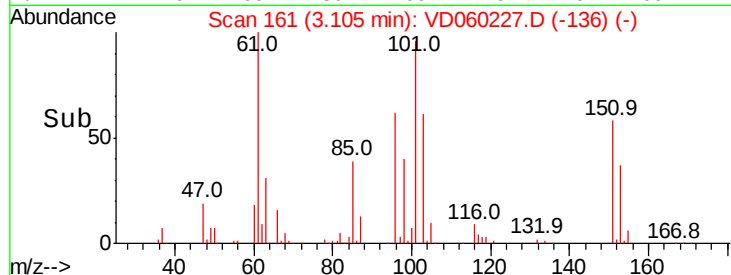
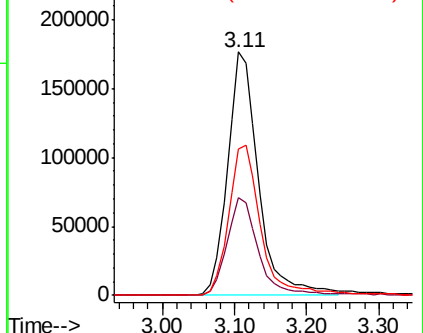
151 60.2 48.0 72.0



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: 61.822 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

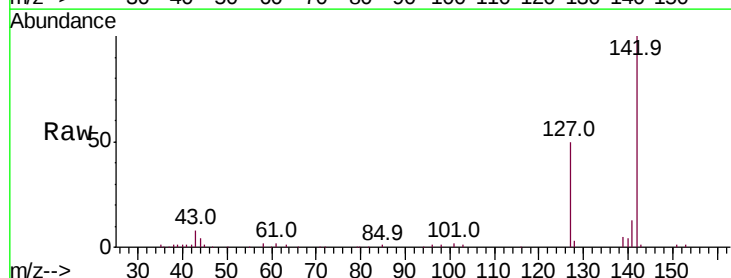
Tgt Ion:142 Resp: 557995

Ion Ratio Lower Upper

142 100

127 50.3 42.0 63.0

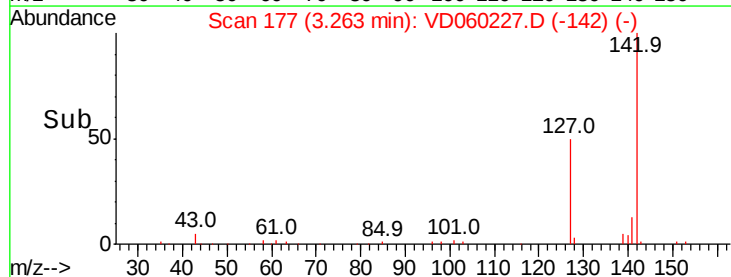
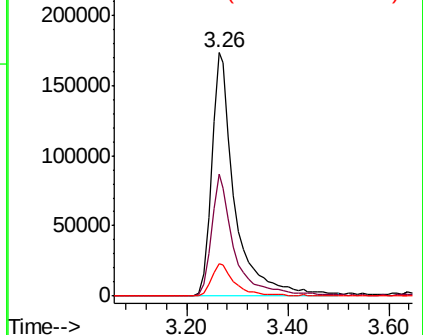
141 13.4 11.4 17.0

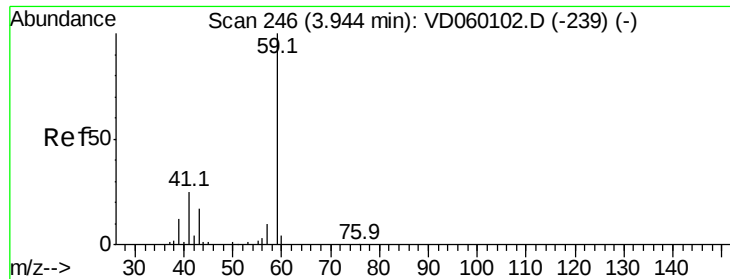


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

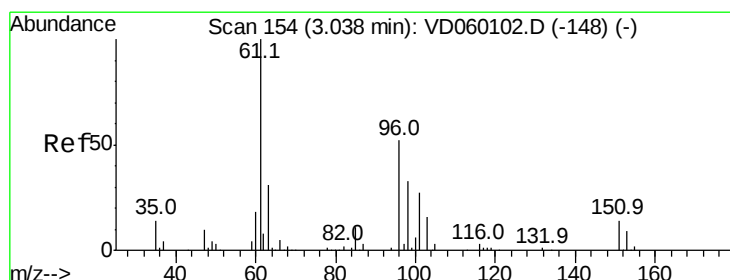
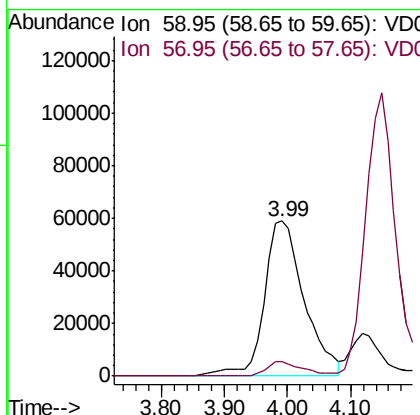
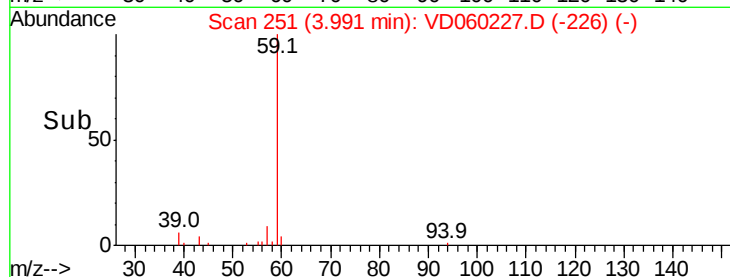
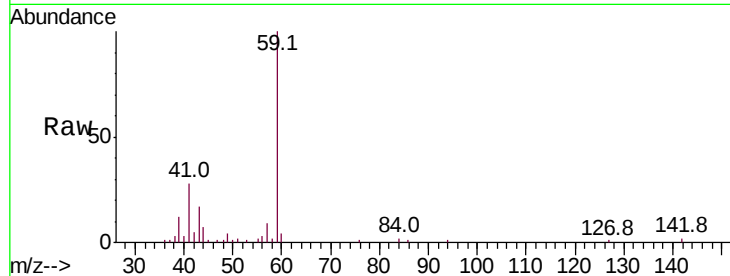




#11
Tert butyl alcohol
Concen: 290.084 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

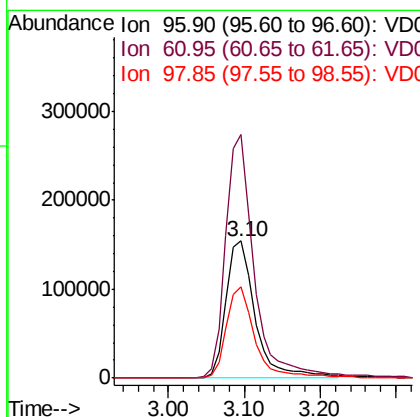
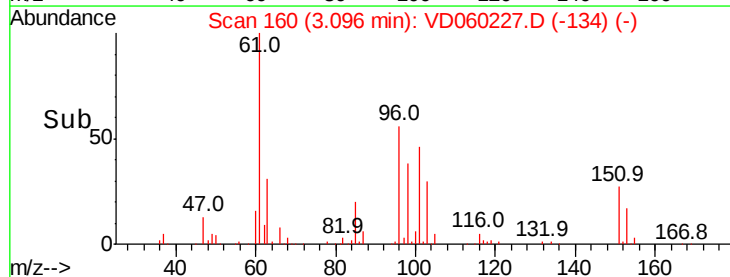
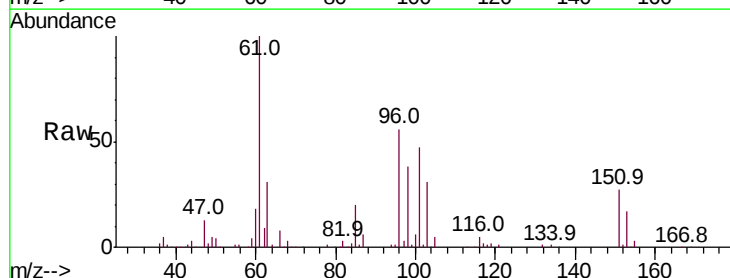
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

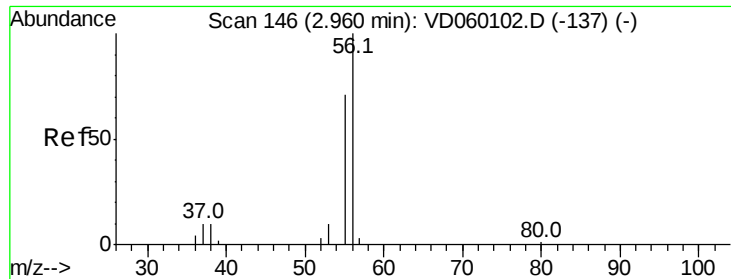
Tot Ion: 59 Resp: 259209
Ion Ratio Lower Upper
59 100
57 9.3 7.8 11.6



#12
1,1-Dichloroethene
Concen: 61.991 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.06 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 96 Resp: 415653
Ion Ratio Lower Upper
96 100
61 177.7 153.0 229.4
98 66.7 51.1 76.7





#13

Acrolein

Concen: 210.124 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

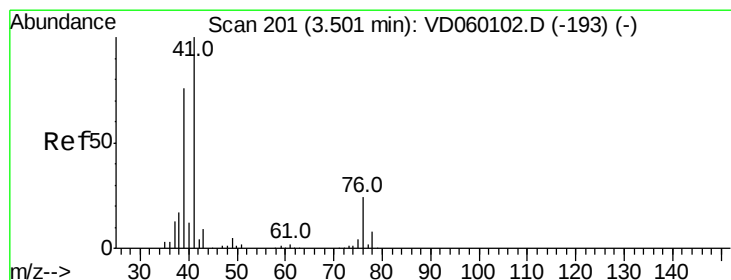
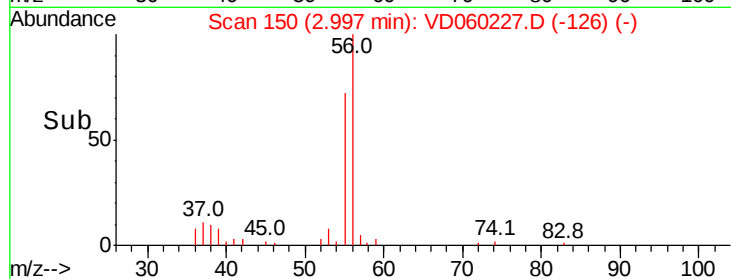
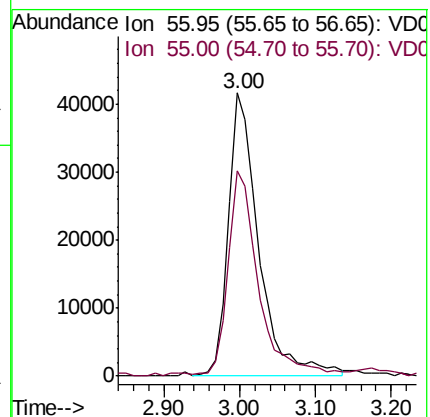
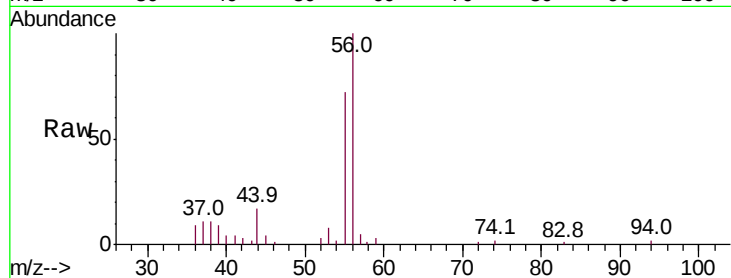
VSTDCCC050

Tot Ion: 56 Resp: 115744

Ion Ratio Lower Upper

56 100

55 72.4 57.4 86.2



#14

Allyl chloride

Concen: 57.564 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.06 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

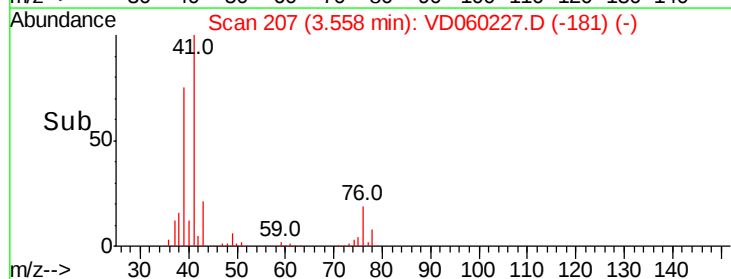
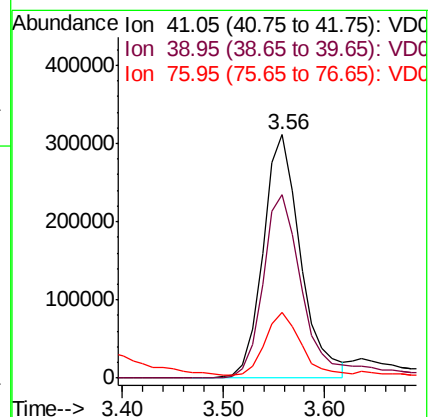
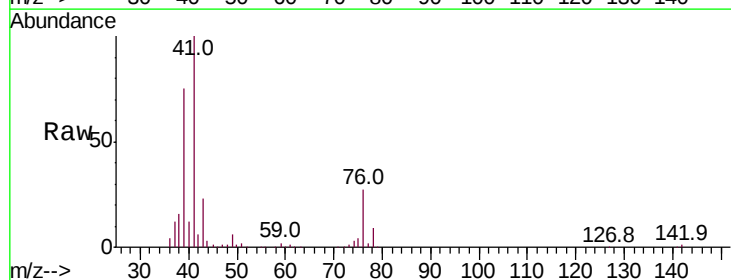
Tgt Ion: 41 Resp: 801620

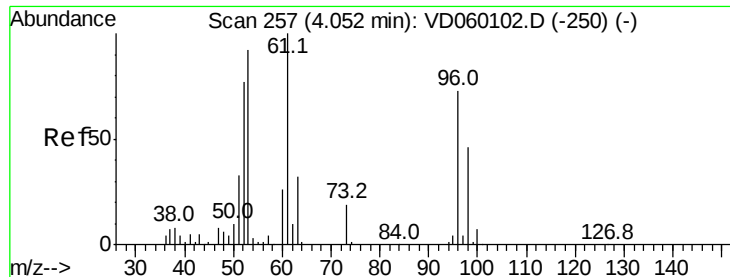
Ion Ratio Lower Upper

41 100

39 75.3 60.6 90.8

76 27.1 21.3 31.9





#15

Acrylonitrile

Concen: 279.982 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.06 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

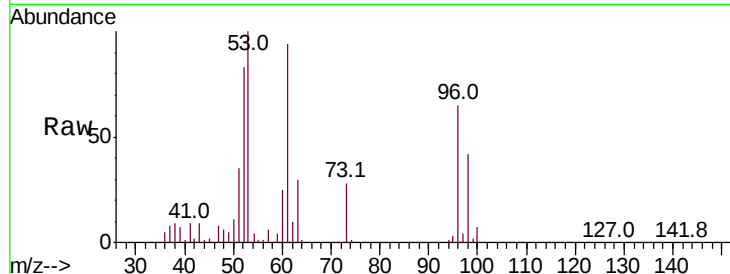
Tot Ion: 53 Resp: 1035537

Ion Ratio Lower Upper

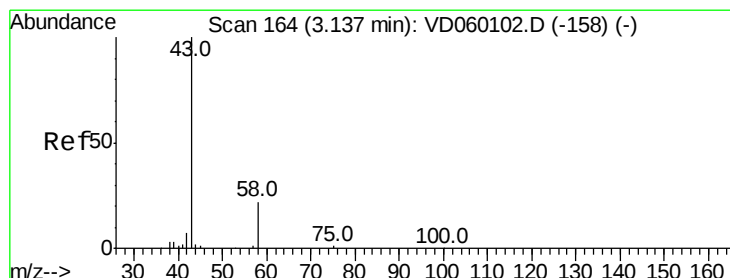
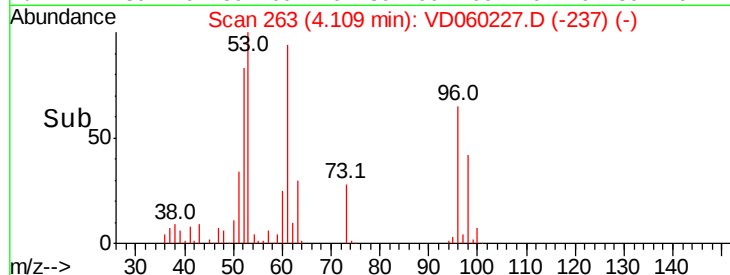
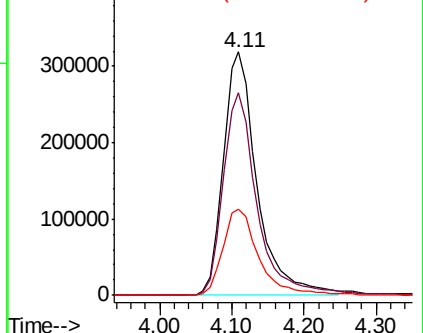
53 100

52 83.5 67.5 101.3

51 35.5 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: 322.497 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.04 min

Lab File: VD060227.D

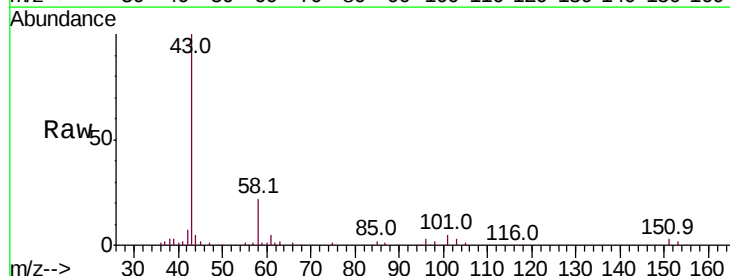
Acq: 29 Oct 2018 13:58

Tgt Ion: 43 Resp: 729100

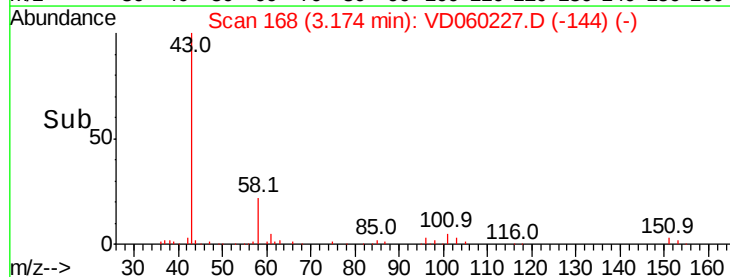
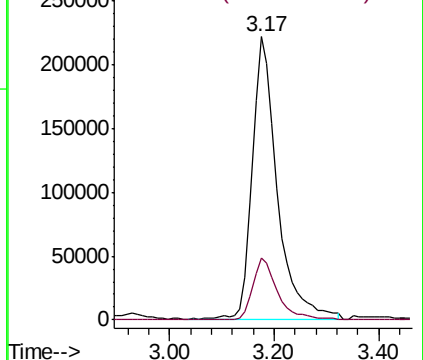
Ion Ratio Lower Upper

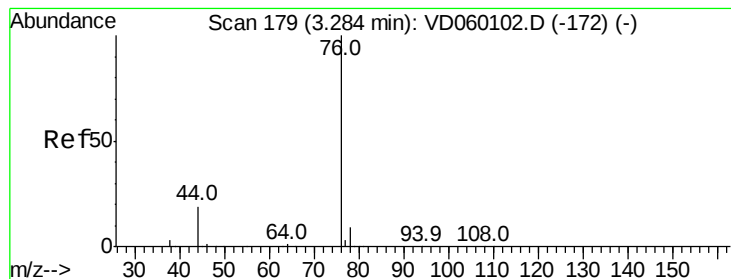
43 100

58 22.0 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: 53.532 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

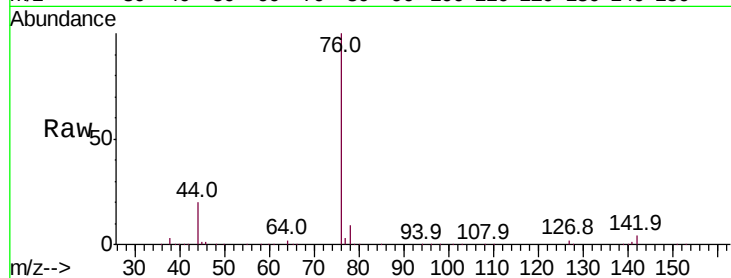
VSTDCCC050

Tot Ion: 76 Resp: 1207027

Ion Ratio Lower Upper

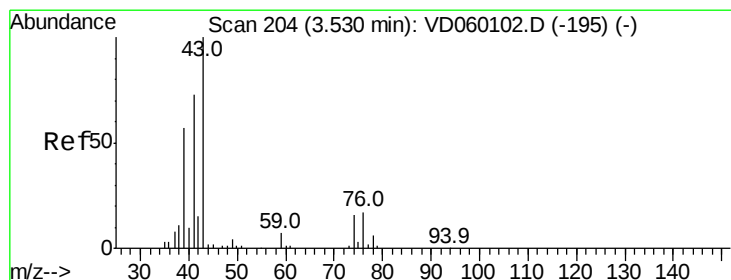
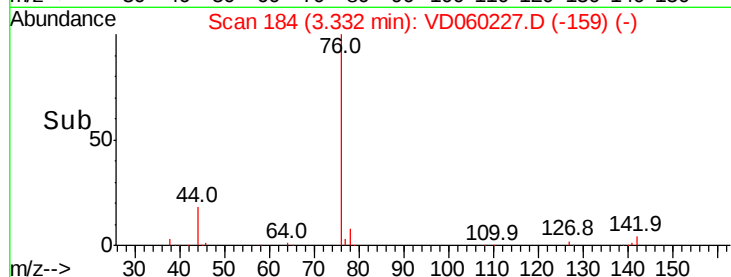
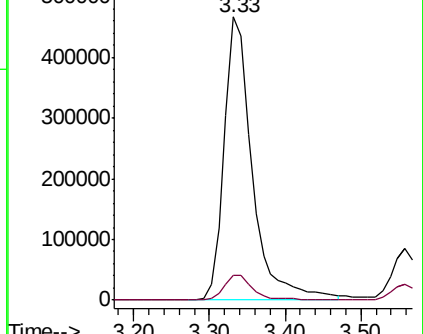
76 100

78 8.7 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 78.062 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.05 min

Lab File: VD060227.D

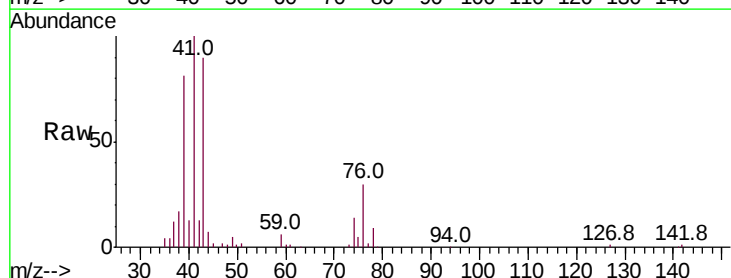
Acq: 29 Oct 2018 13:58

Tgt Ion: 43 Resp: 379319

Ion Ratio Lower Upper

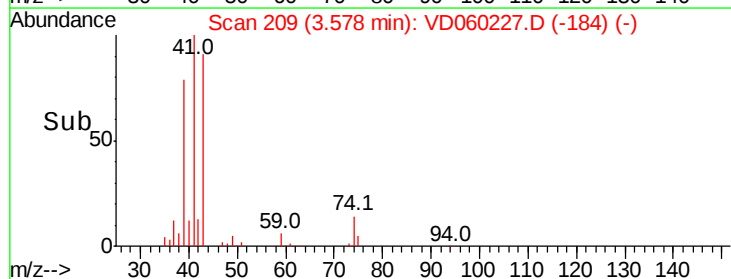
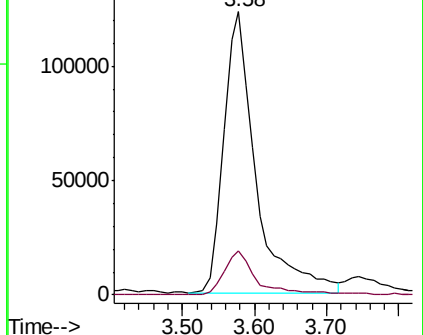
43 100

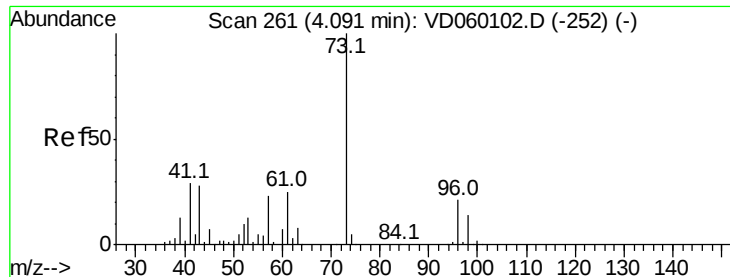
74 15.7 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 55.533 ug/l
 RT: 4.15 min Scan# 267
 Delta R.T. 0.06 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

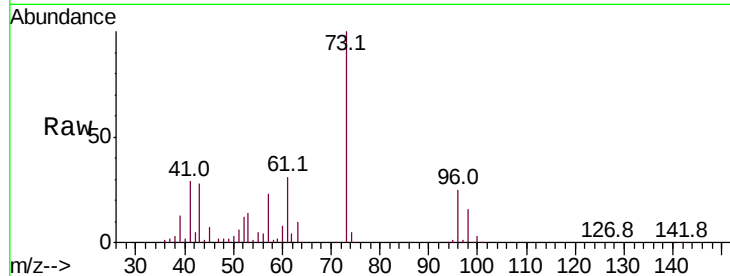
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1637118

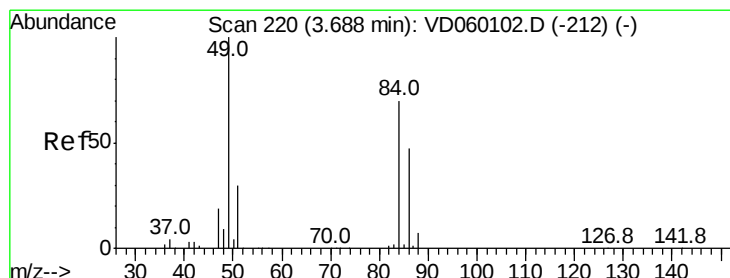
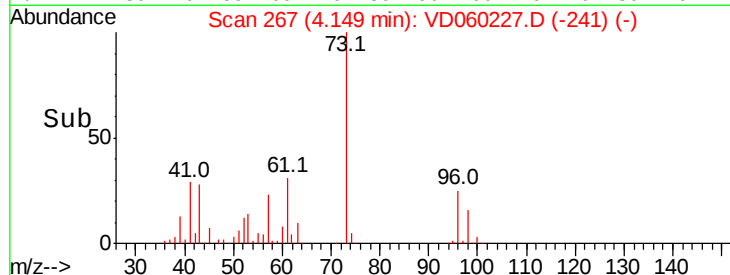
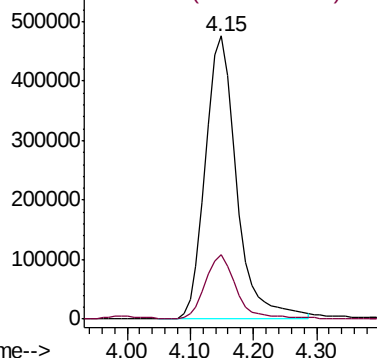
Ion Ratio Lower Upper

73 100

57 22.6 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 53.153 ug/l
 RT: 3.75 min Scan# 226
 Delta R.T. 0.06 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 84 Resp: 941060

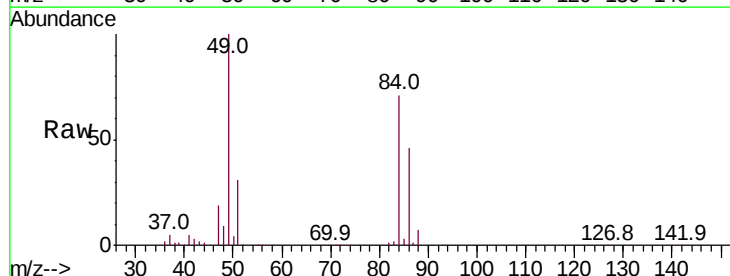
Ion Ratio Lower Upper

84 100

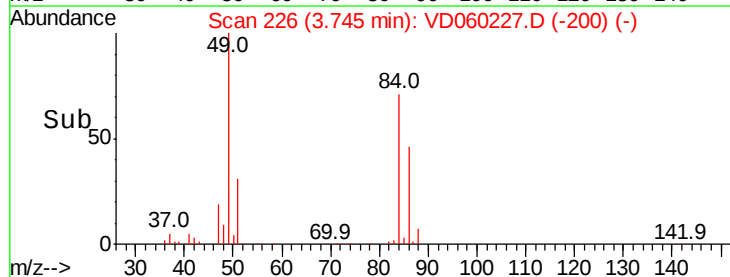
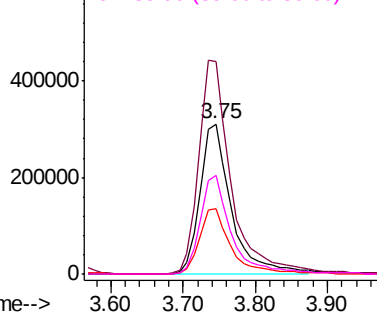
49 141.5 114.6 172.0

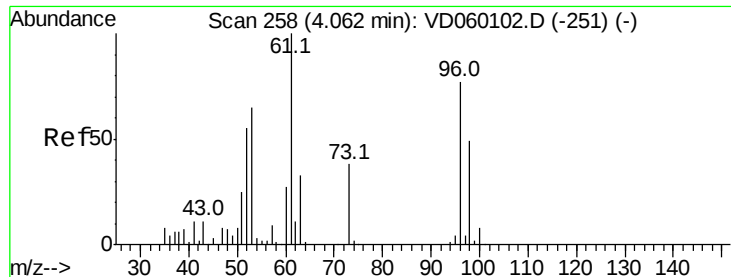
51 43.3 33.8 50.8

86 65.5 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 50.474 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.06 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

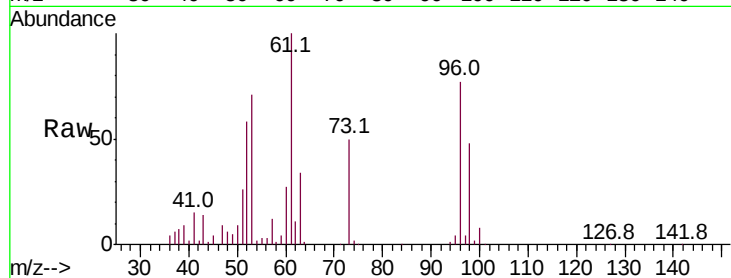
Tot Ion: 96 Resp: 874057

Ion Ratio Lower Upper

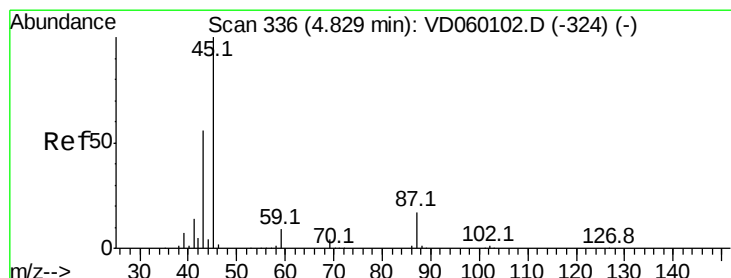
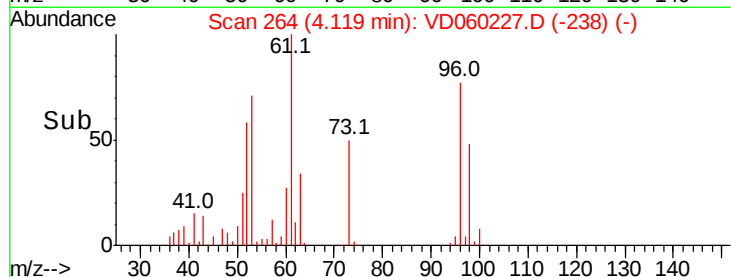
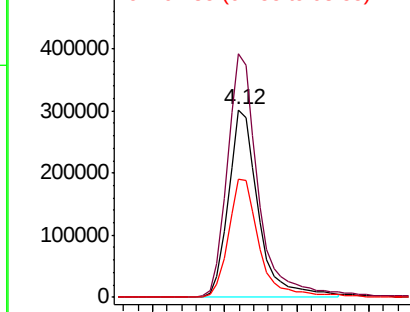
96 100

61 129.8 103.3 154.9

98 62.7 50.4 75.6



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



#22

Diisopropyl ether

Concen: 53.500 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Tgt Ion: 45 Resp: 3327264

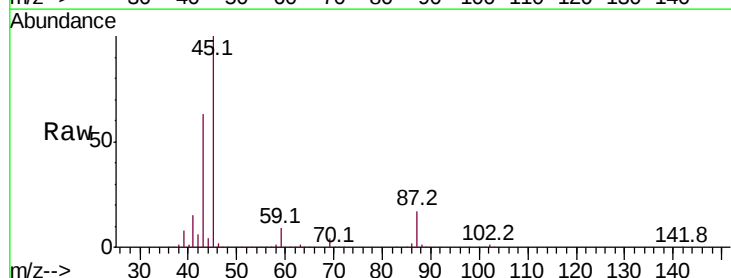
Ion Ratio Lower Upper

45 100

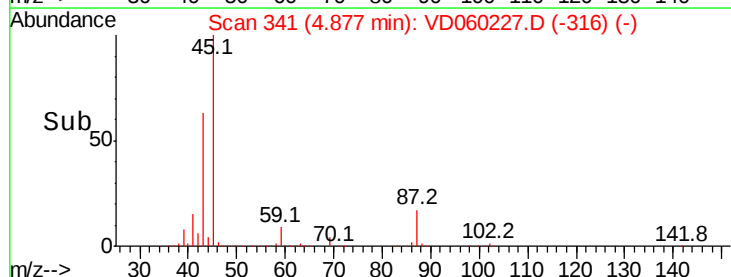
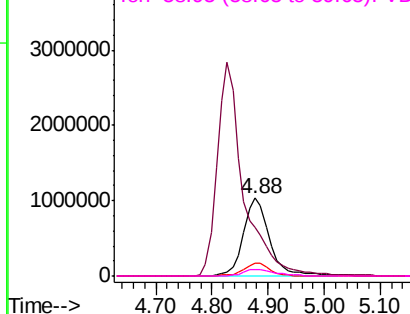
43 62.6 44.8 67.2

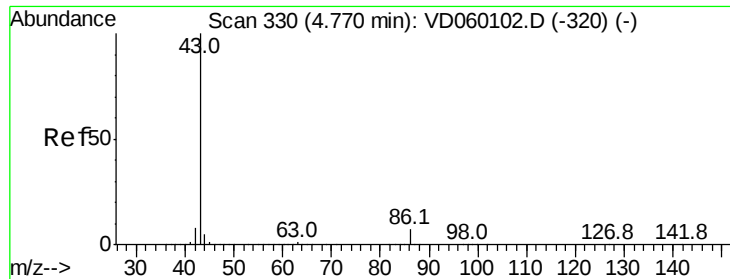
87 17.1 13.9 20.9

59 8.9 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

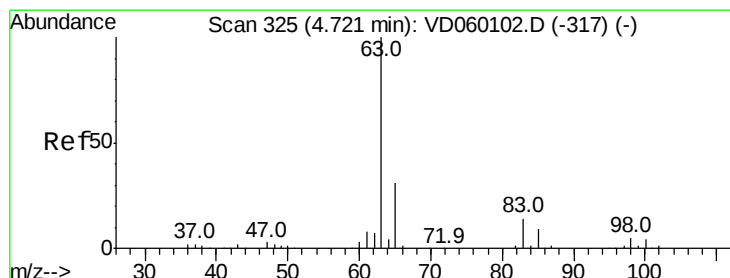
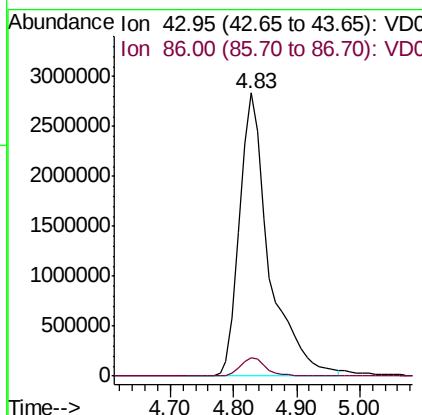
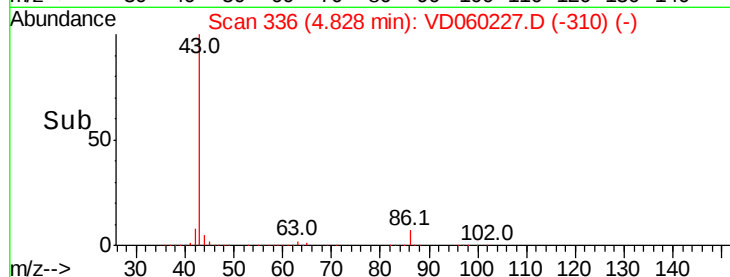
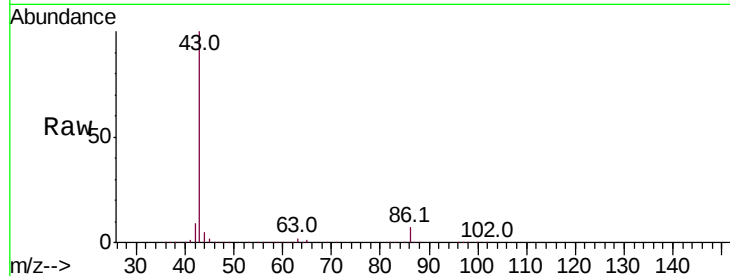




#23
 Vinyl Acetate
 Concen: 262.982 ug/l
 RT: 4.83 min Scan# 336
 Delta R.T. 0.06 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

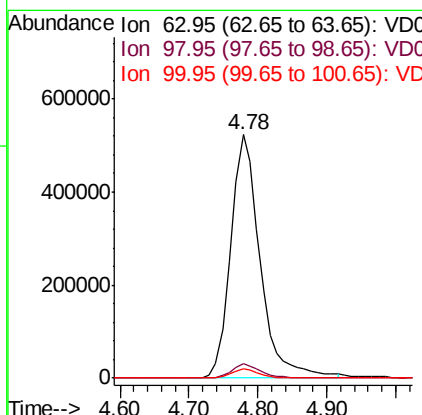
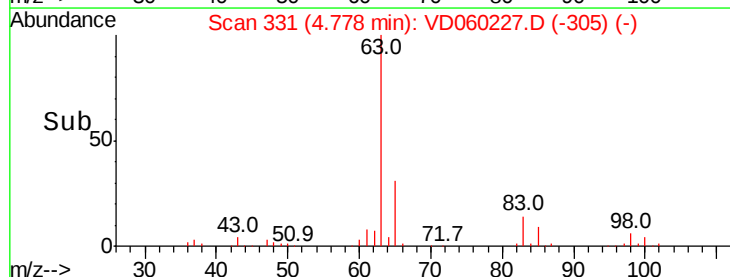
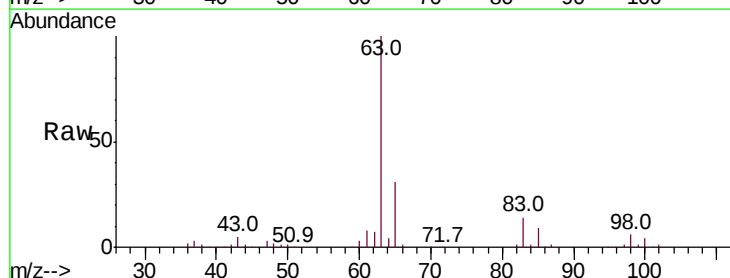
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

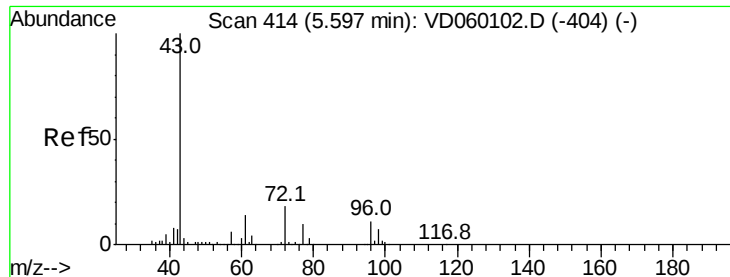
Tot Ion: 43 Resp: 9193296
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 54.794 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.06 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 63 Resp: 1545080
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.3
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 279.064 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

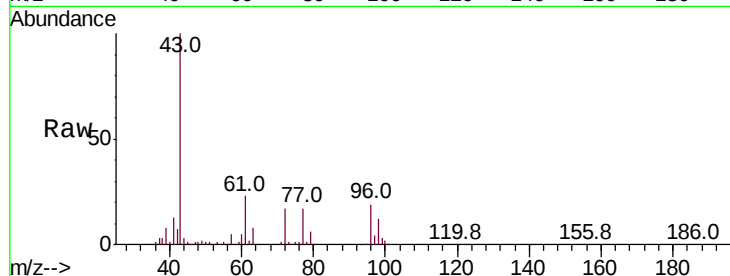
VSTDCCC050

Tot Ion: 43 Resp: 1576163

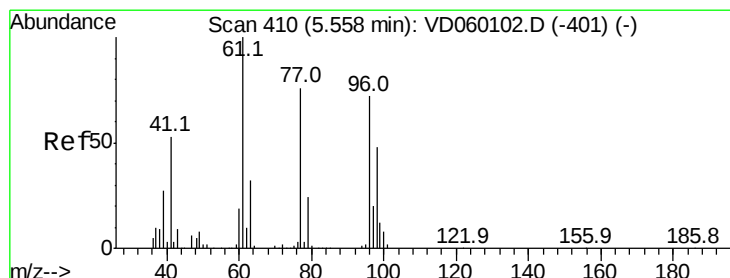
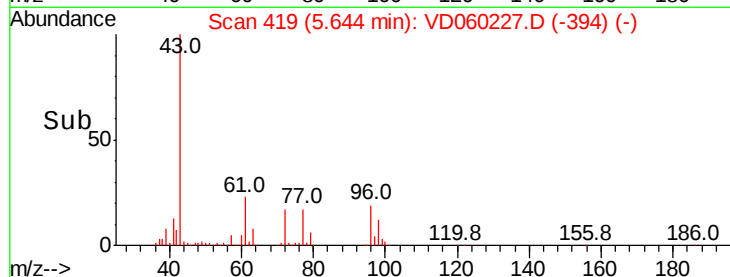
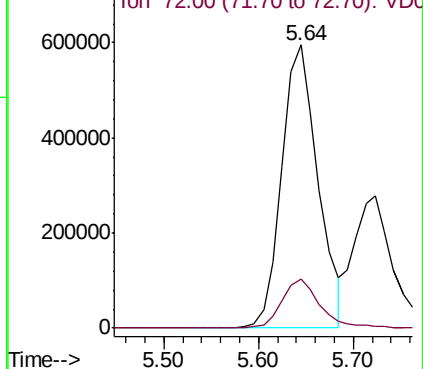
Ion Ratio Lower Upper

43 100

72 17.2 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 56.528 ug/l

RT: 5.61 min Scan# 416

Delta R.T. 0.06 min

Lab File: VD060227.D

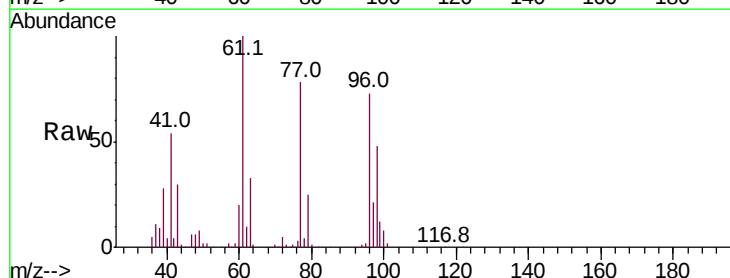
Acq: 29 Oct 2018 13:58

Tgt Ion: 77 Resp: 1208375

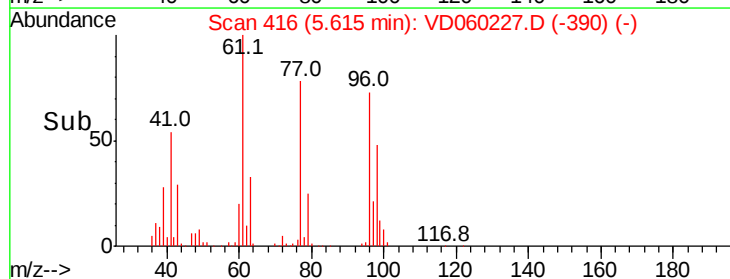
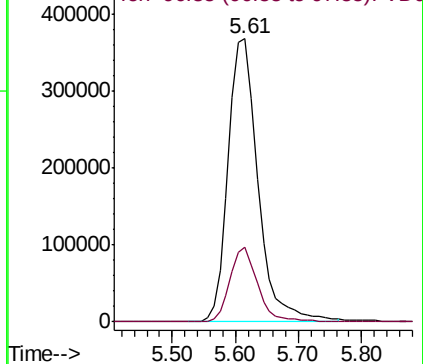
Ion Ratio Lower Upper

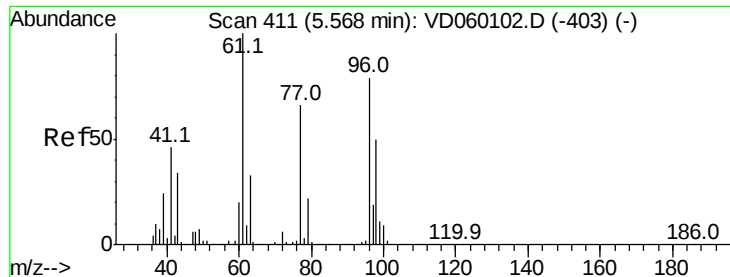
77 100

97 26.5 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC



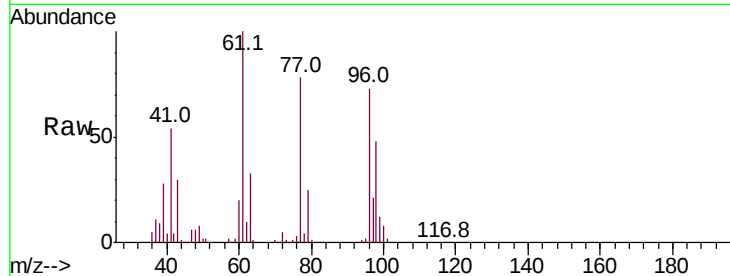


#27

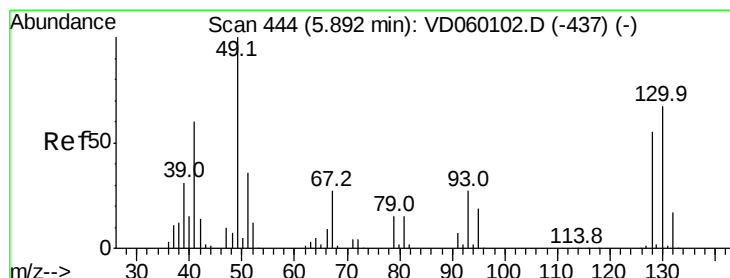
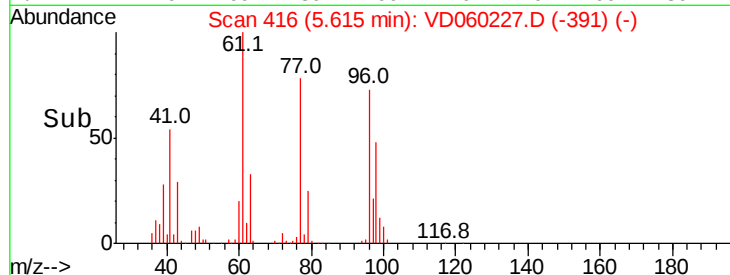
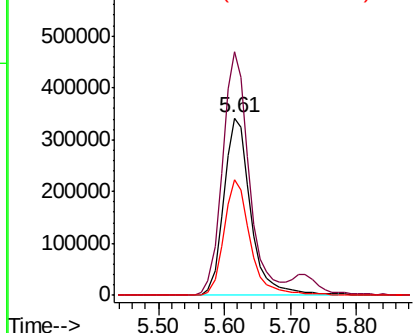
cis-1,2-Dichloroethene
 Concen: 53.314 ug/l
 RT: 5.61 min Scan# 416
 Delta R.T. 0.05 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 978170
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 251.8
 98 65.5 0.0 125.2



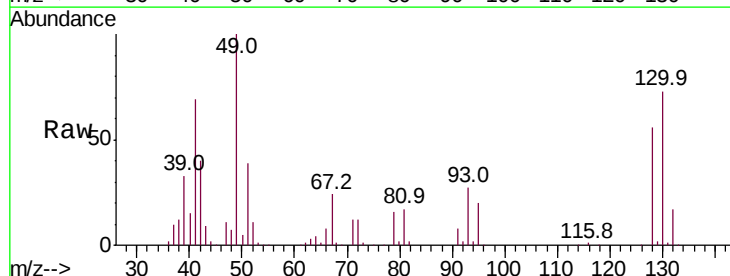
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



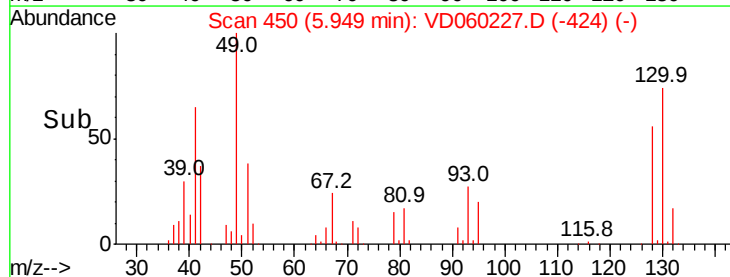
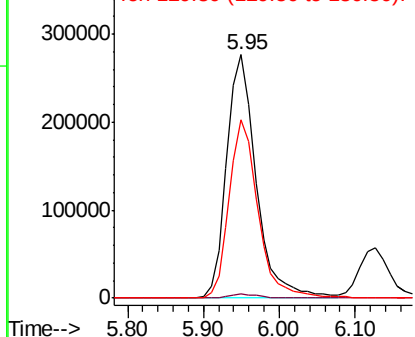
#28

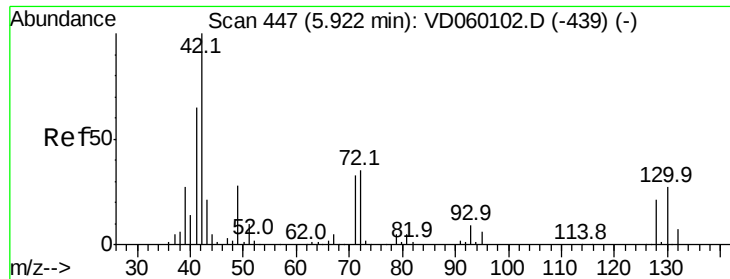
Bromochloromethane
 Concen: 54.662 ug/l
 RT: 5.95 min Scan# 450
 Delta R.T. 0.06 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 49 Resp: 749023
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.6
 130 73.4 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: 272.223 ug/l

RT: 5.98 min Scan# 453

Delta R.T. 0.06 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

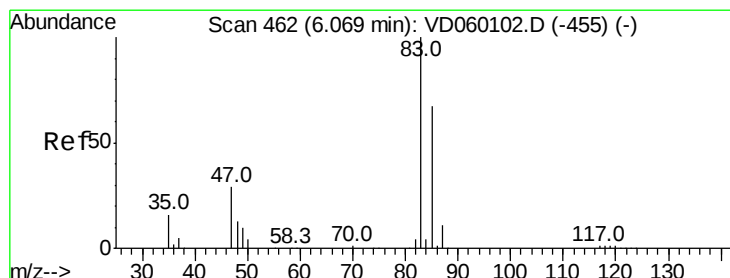
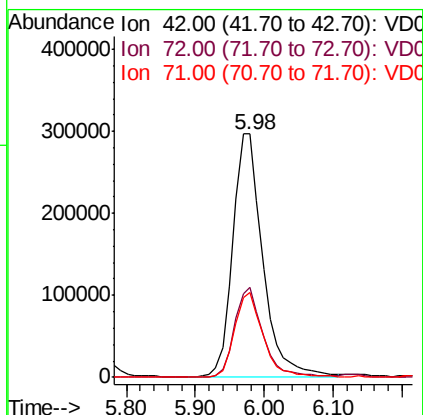
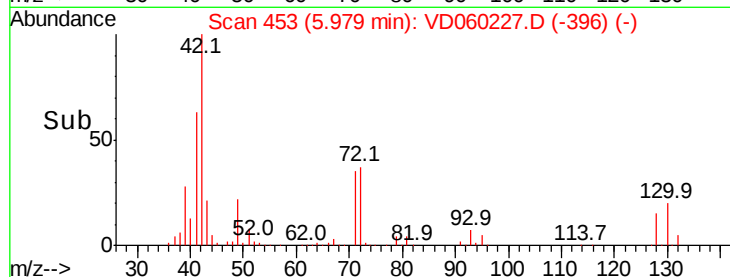
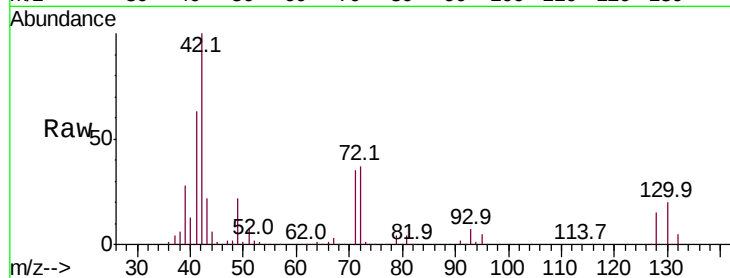
Tot Ion: 42 Resp: 893071

Ion Ratio Lower Upper

42 100

72 34.8 26.9 40.3

71 33.2 26.7 40.1



#30

Chloroform

Concen: 56.847 ug/l

RT: 6.13 min Scan# 468

Delta R.T. 0.06 min

Lab File: VD060227.D

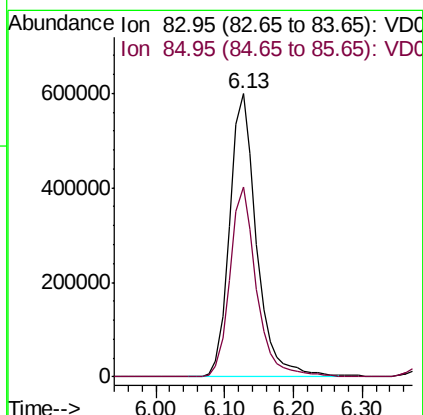
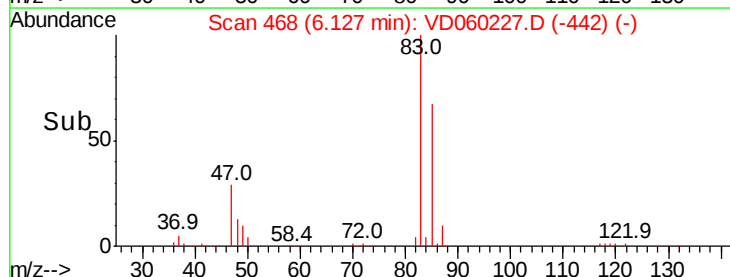
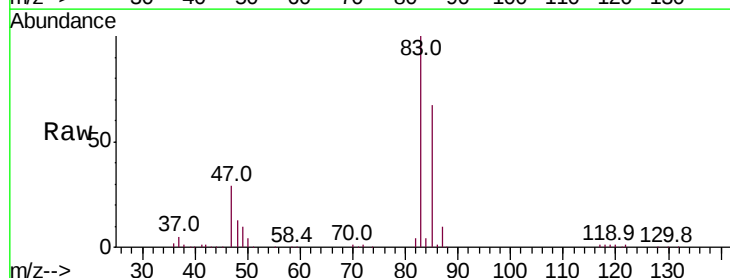
Acq: 29 Oct 2018 13:58

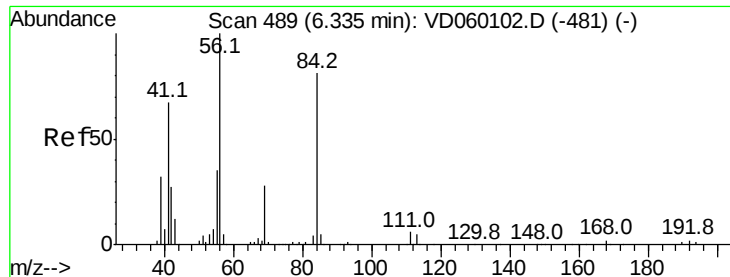
Tgt Ion: 83 Resp: 1621497

Ion Ratio Lower Upper

83 100

85 67.2 53.8 80.8

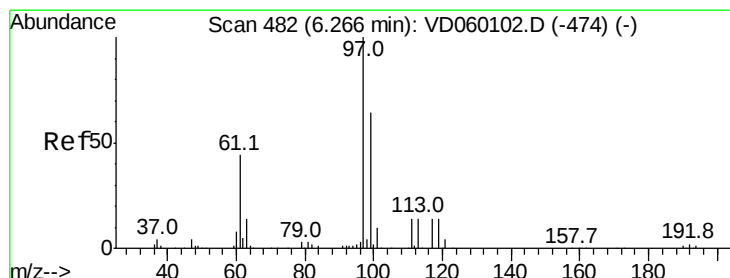
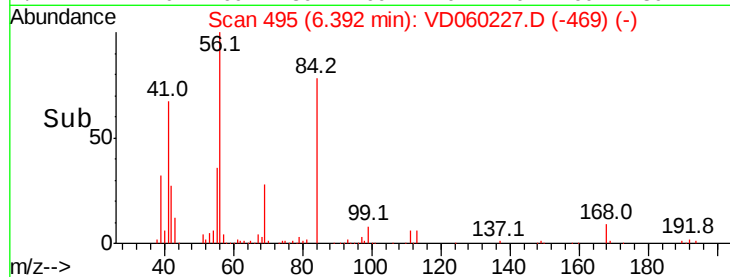
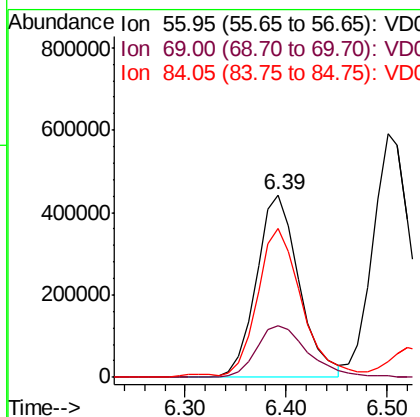
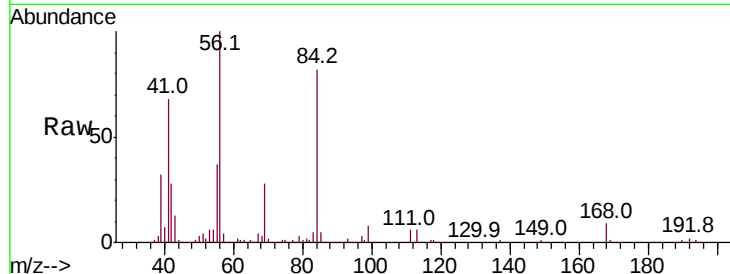




#31
Cvclohexane
Concen: 48.199 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

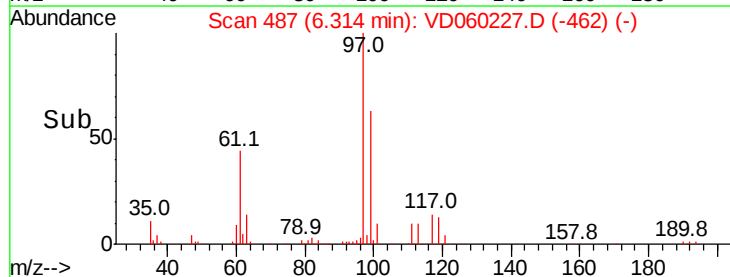
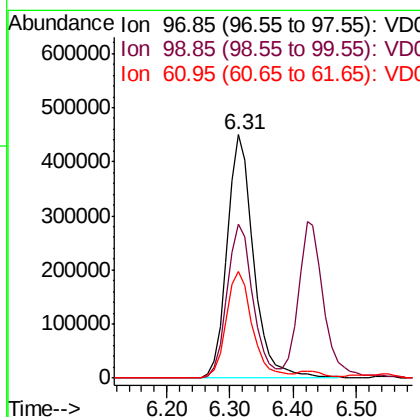
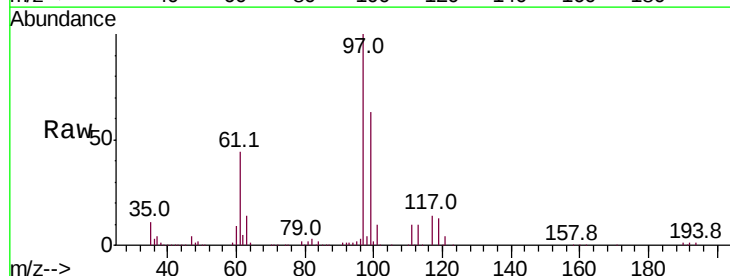
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

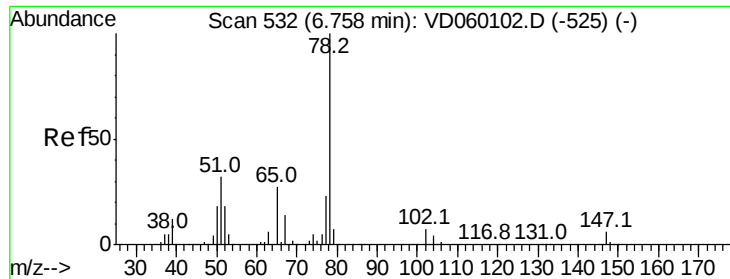
Tot Ion: 56 Resp: 1301035
Ion Ratio Lower Upper
56 100
69 28.1 22.8 34.2
84 81.9 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 55.629 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 97 Resp: 1299978
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.0
61 44.1 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 55.629 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

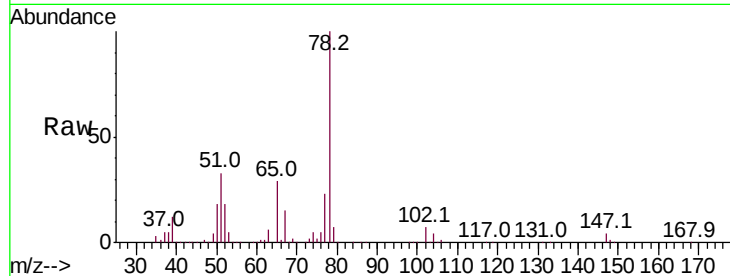
VSTDCCC050

Tot Ion: 65 Resp: 680117

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.81

250000

200000

150000

100000

50000

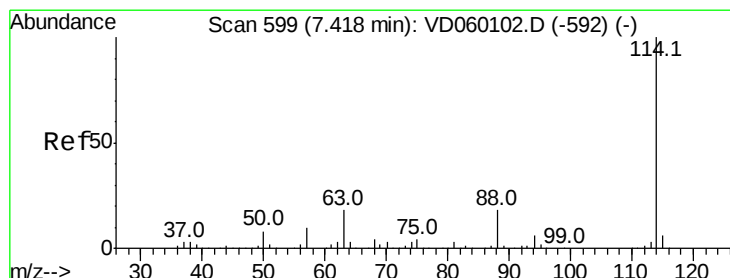
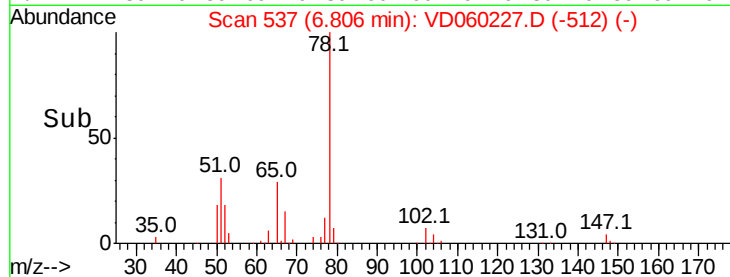
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 604

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

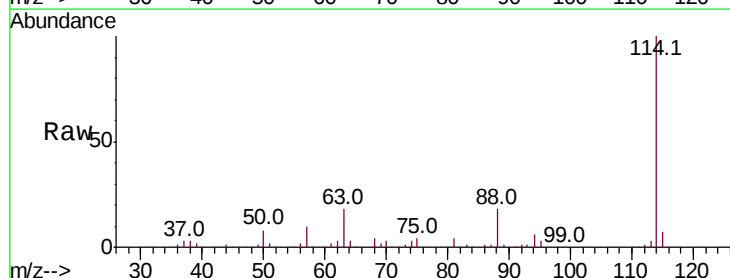
Tgt Ion: 114 Resp: 2293381

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.0

88 18.5 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

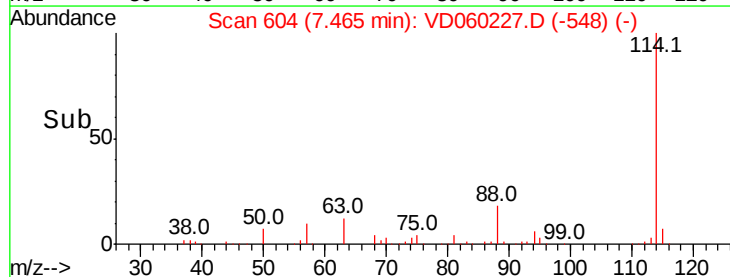
0

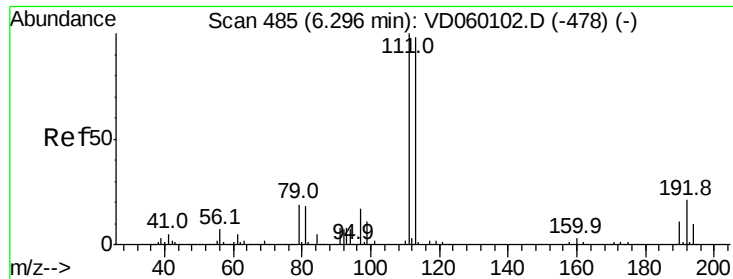
7.40

7.46

7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

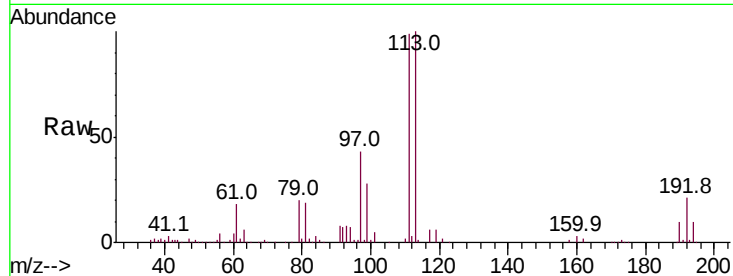
Tot Ion:113 Resp: 909197

Ion Ratio Lower Upper

113 100

111 99.4 81.5 122.3

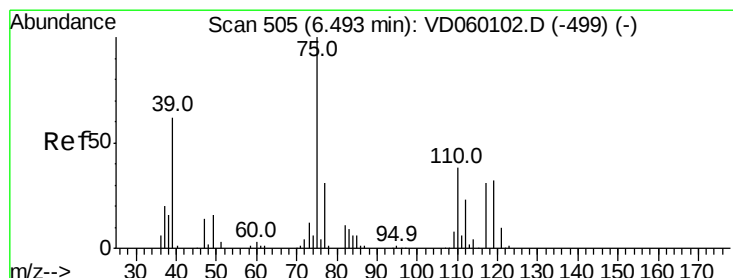
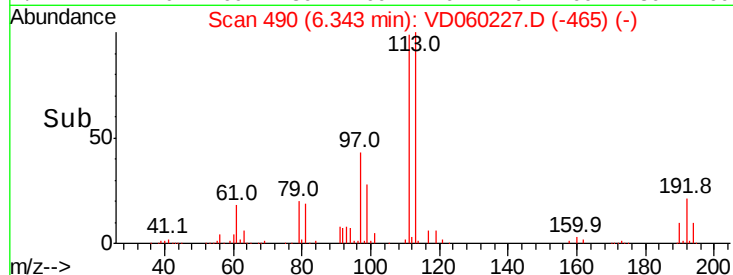
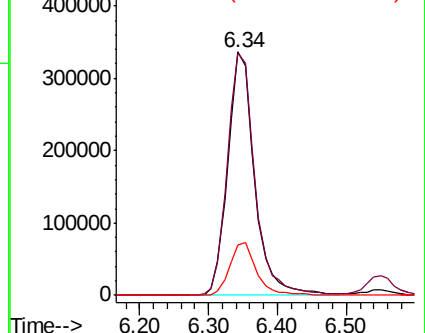
192 20.8 17.4 26.0



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: 52.767 ug/l

RT: 6.55 min Scan# 511

Delta R.T. 0.06 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

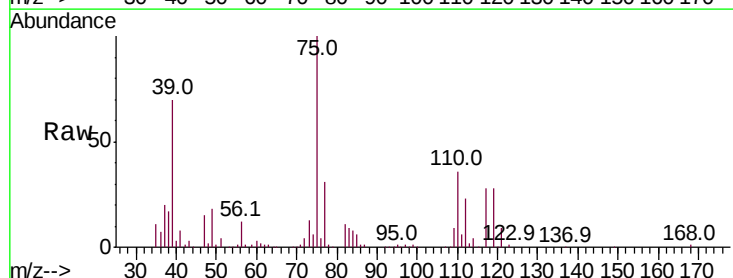
Tgt Ion: 75 Resp: 1156391

Ion Ratio Lower Upper

75 100

110 36.0 19.0 57.0

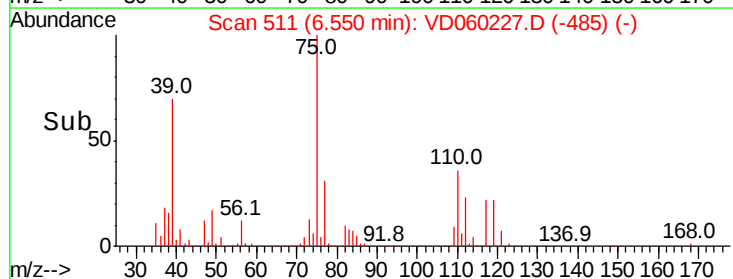
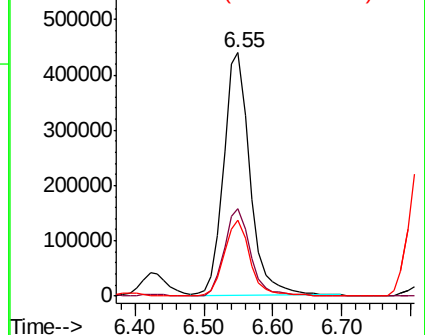
77 31.4 24.9 37.3

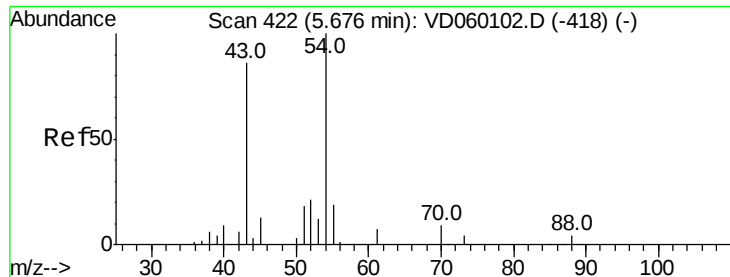


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

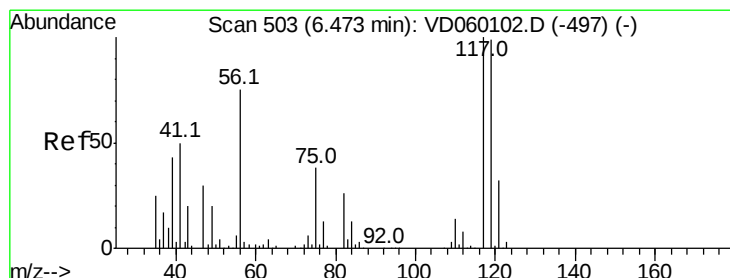
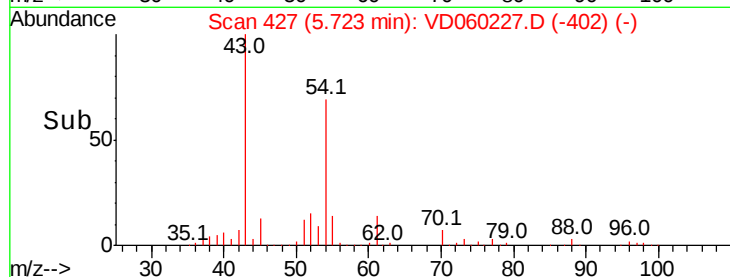
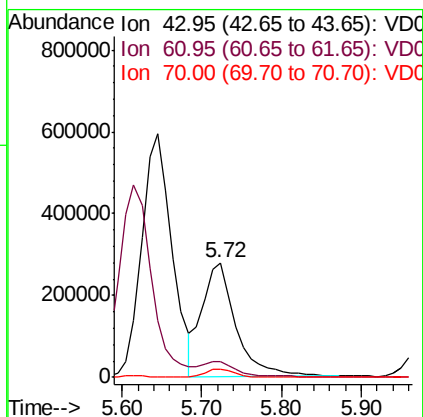
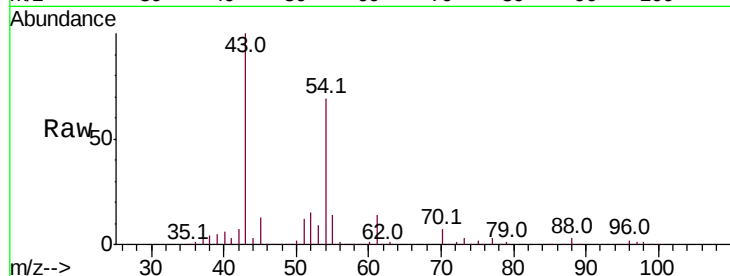




#37
Ethyl Acetate
Concen: 55.599 ug/l
RT: 5.72 min Scan# 427
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

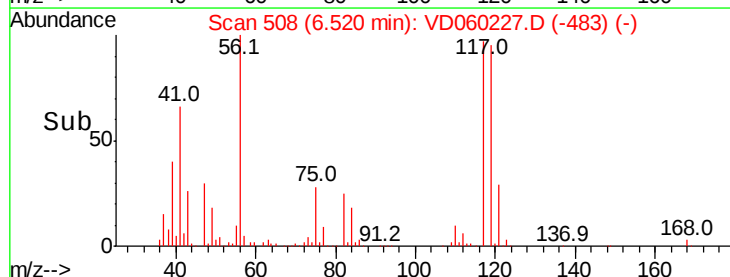
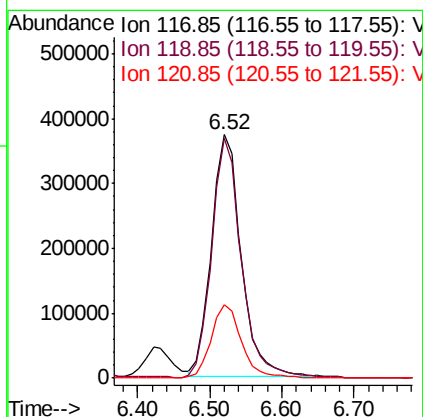
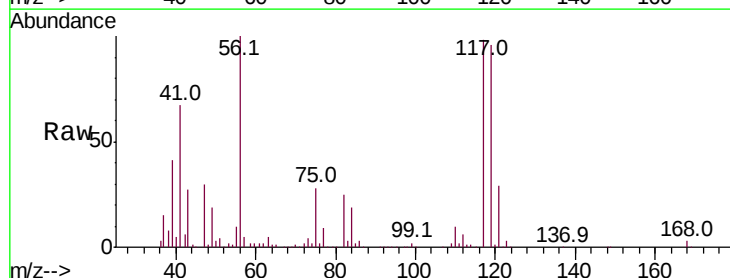
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

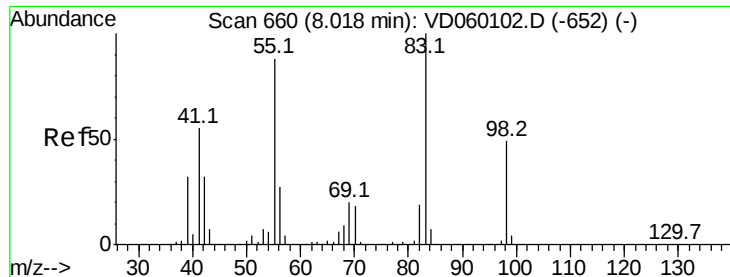
Tot Ion: 43 Resp: 808773
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 7.4 6.3 9.5



#38
Carbon Tetrachloride
Concen: 53.354 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 117 Resp: 1061243
Ion Ratio Lower Upper
117 100
119 98.2 77.8 116.6
121 29.9 24.8 37.2

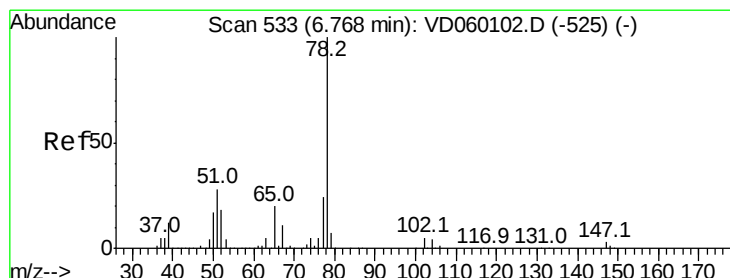
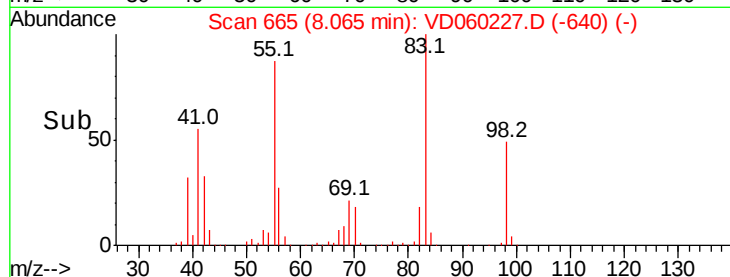
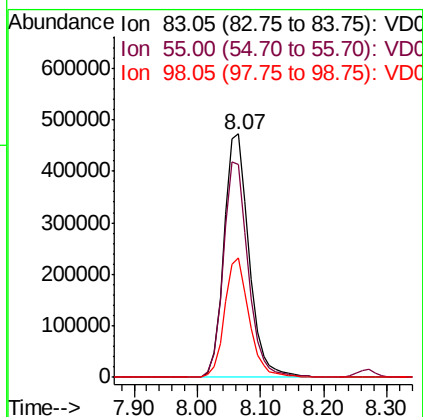
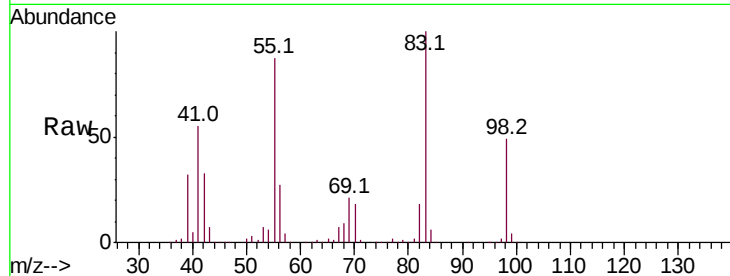




#39
Methvlcvclohexane
Concen: 52.165 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

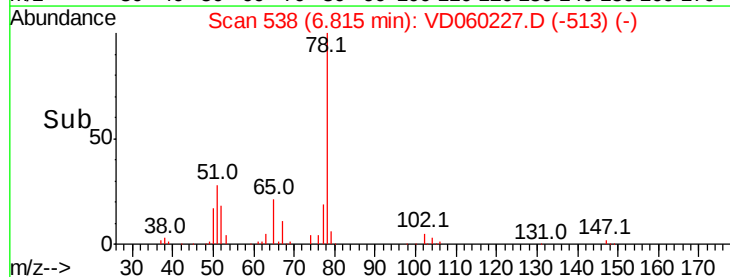
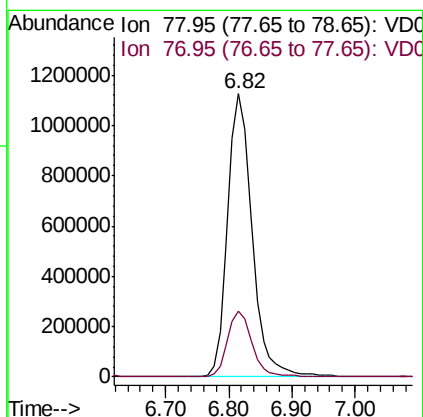
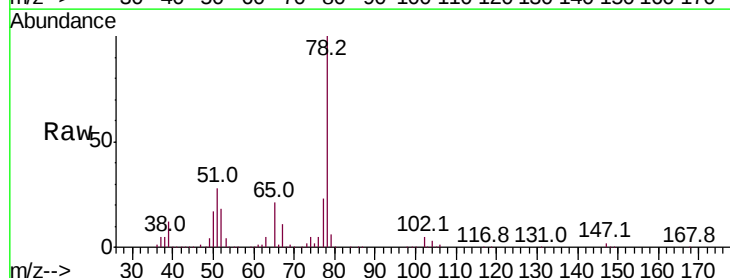
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

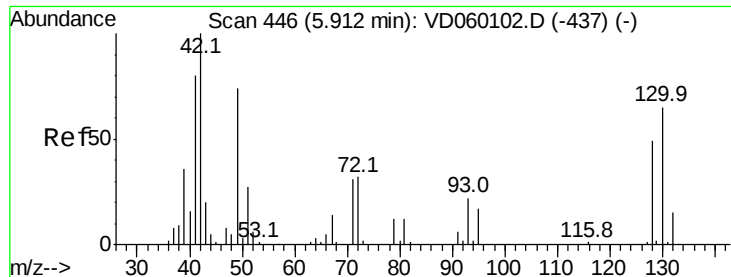
Tot Ion: 83 Resp: 1298916
Ion Ratio Lower Upper
83 100
55 87.4 70.5 105.7
98 49.1 39.4 59.2



#40
Benzene
Concen: 52.855 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 78 Resp: 3030351
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

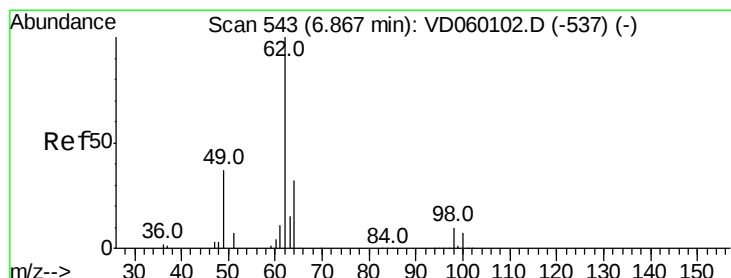
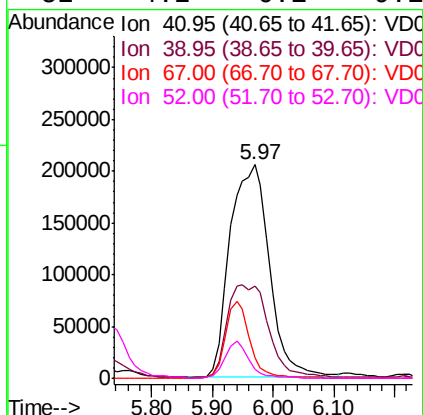
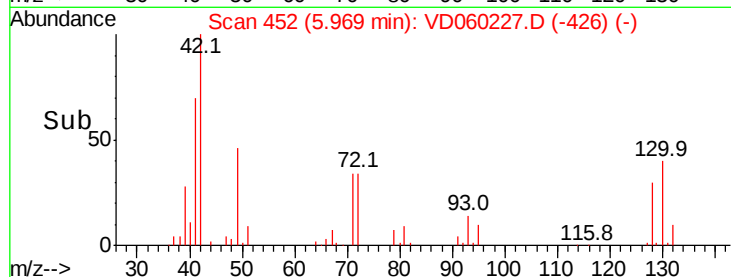
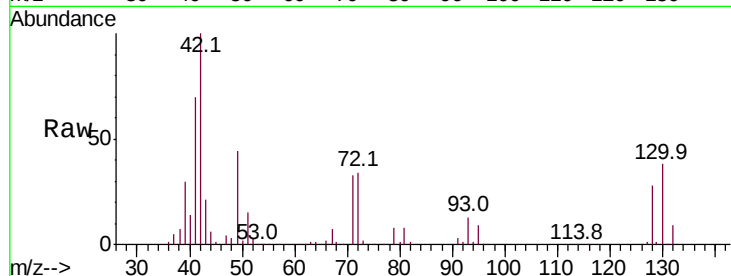




#41
Methacrylonitrile
Concen: 112.368 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.06 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

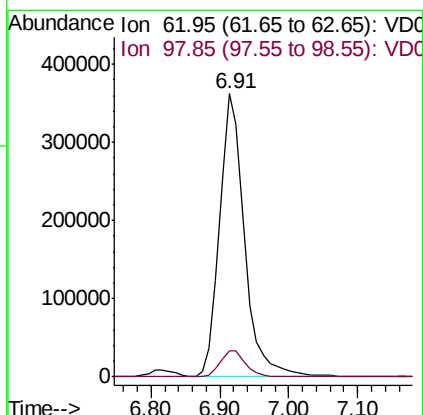
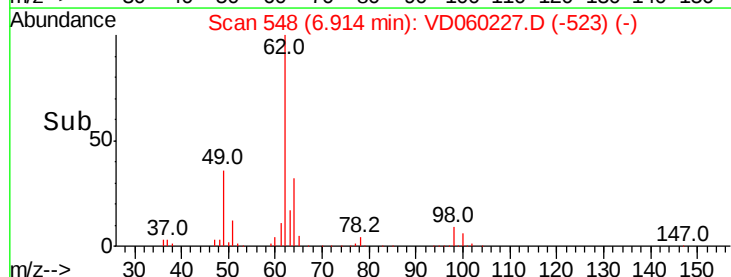
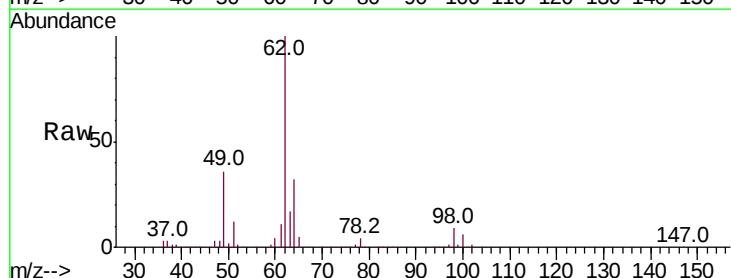
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

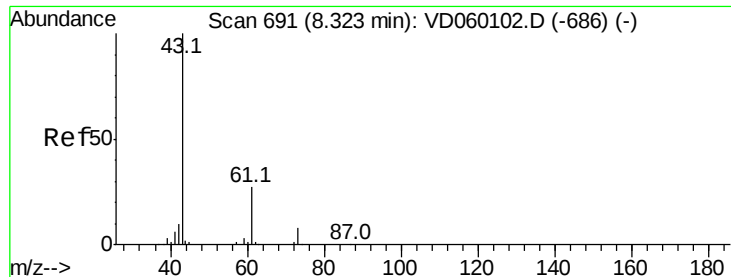
Tot Ion: 41 Resp: 923887
Ion Ratio Lower Upper
41 100
39 43.0 36.0 54.0
67 9.6 13.9 20.9#
52 4.2 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 54.876 ug/l
RT: 6.91 min Scan# 548
Delta R.T. 0.05 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 62 Resp: 902021
Ion Ratio Lower Upper
62 100
98 9.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 54.272 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

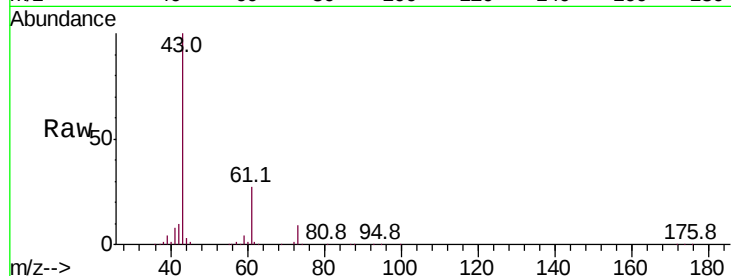
Tot Ion: 43 Resp: 1038634

Ion Ratio Lower Upper

43 100

61 27.4 21.4 32.2

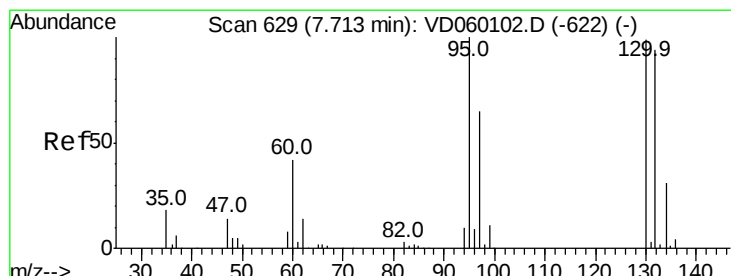
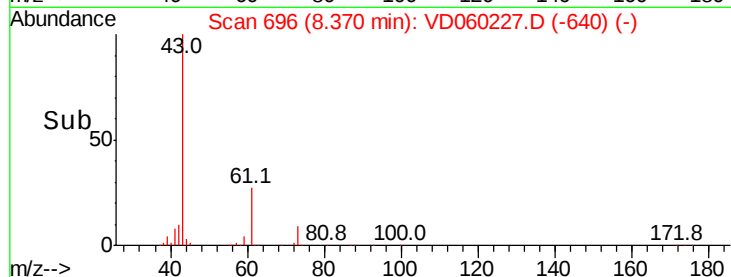
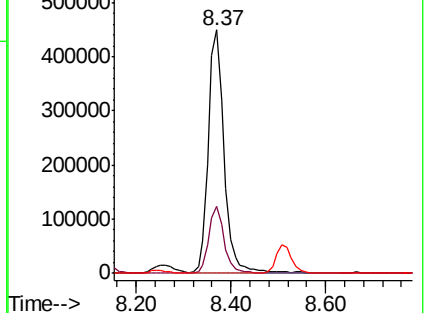
87 0.2 0.2 0.2



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: 51.657 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.05 min

Lab File: VD060227.D

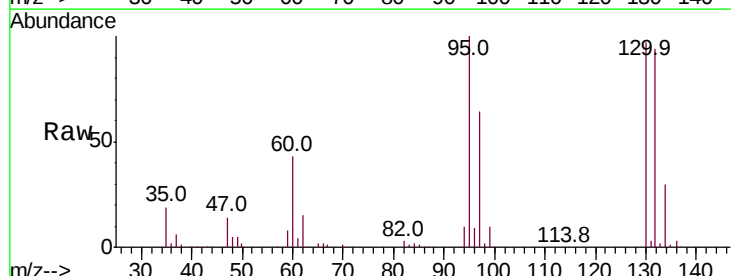
Acq: 29 Oct 2018 13:58

Tgt Ion:130 Resp: 916810

Ion Ratio Lower Upper

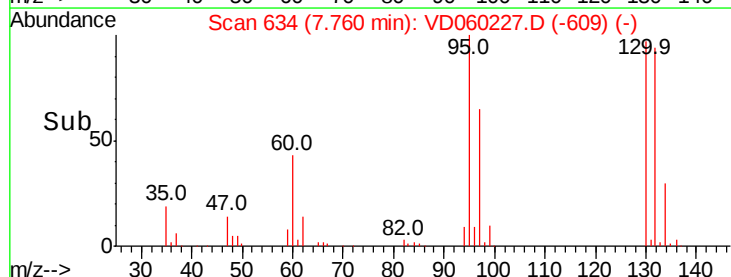
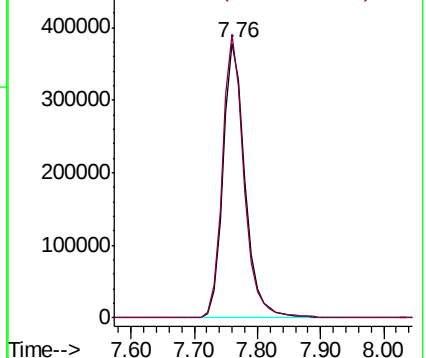
130 100

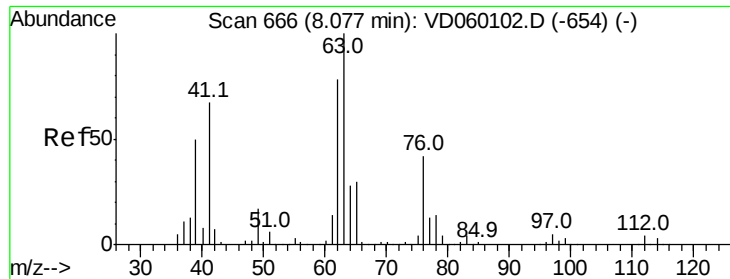
95 102.9 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.041 ug/l

RT: 8.12 min Scan# 671

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

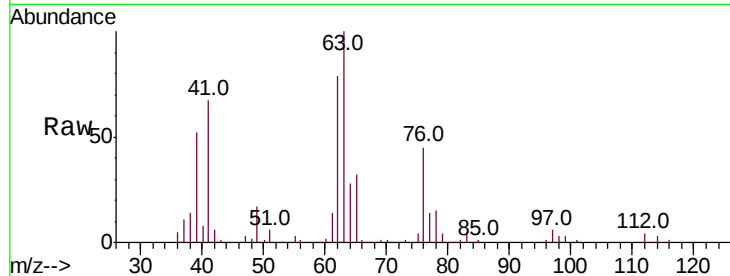
VSTDCCC050

Tot Ion: 63 Resp: 826294

Ion Ratio Lower Upper

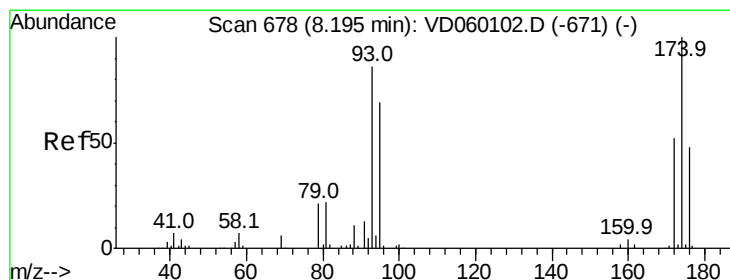
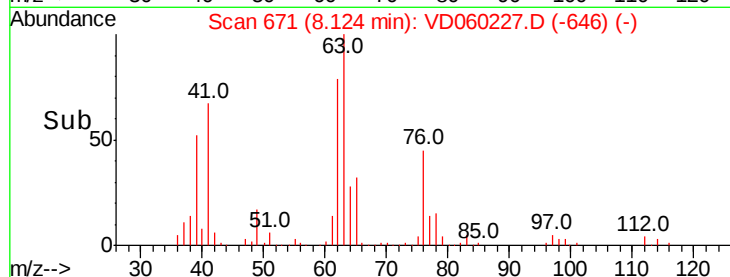
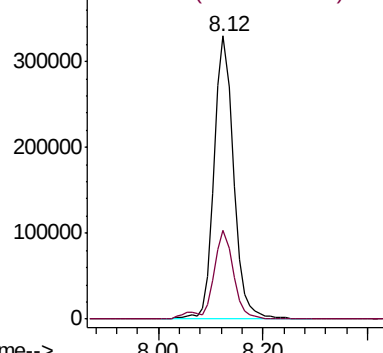
63 100

65 31.6 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.651 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

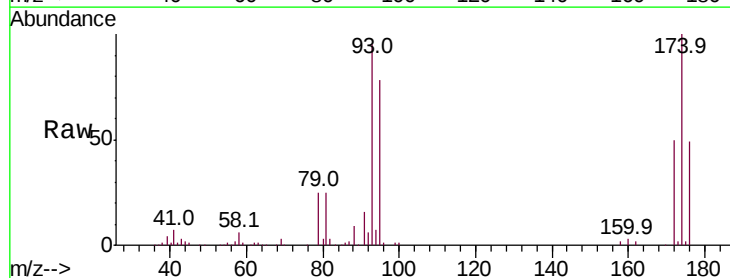
Tgt Ion: 93 Resp: 521453

Ion Ratio Lower Upper

93 100

95 82.8 63.8 95.6

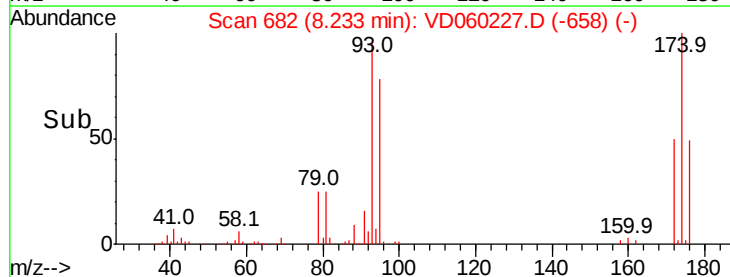
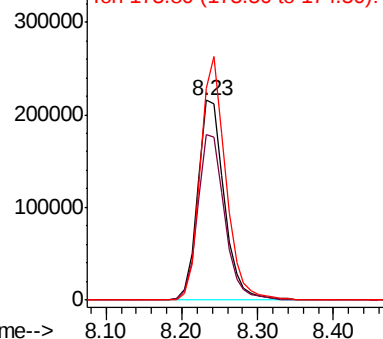
174 105.8 92.9 139.3

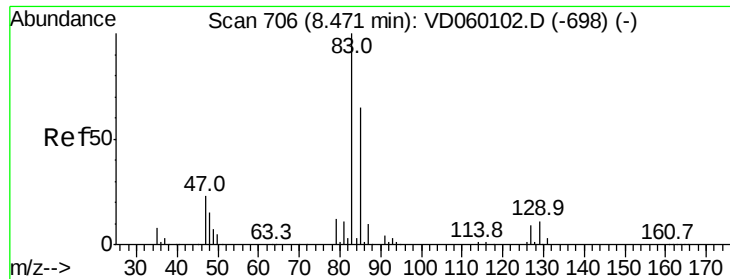


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 56.421 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

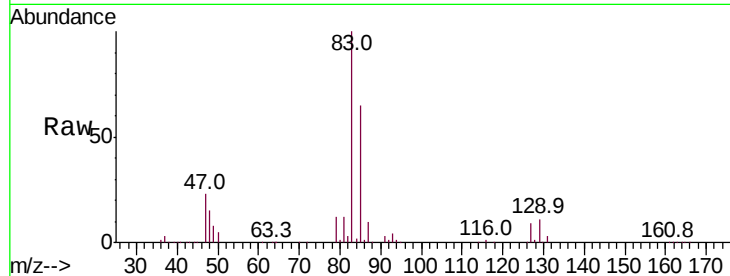
Tot Ion: 83 Resp: 1168427

Ion Ratio Lower Upper

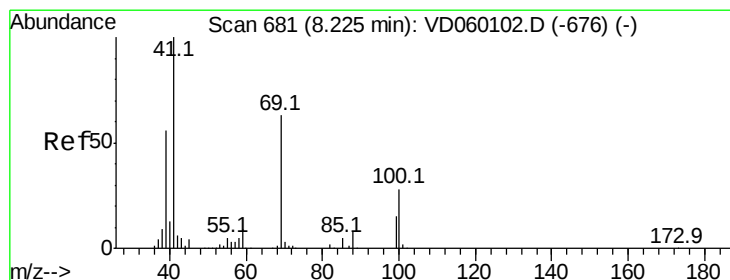
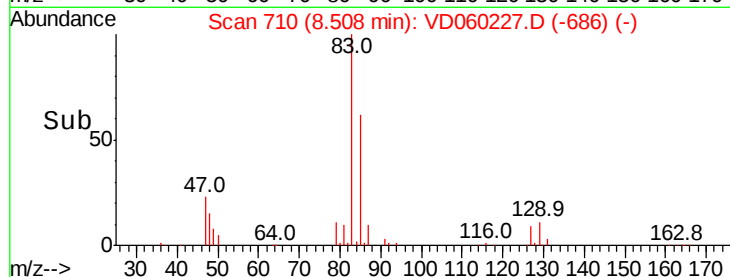
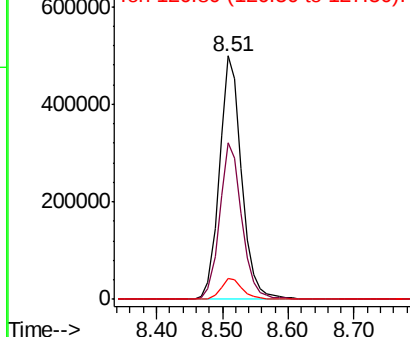
83 100

85 64.5 52.2 78.2

127 8.5 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: 55.224 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

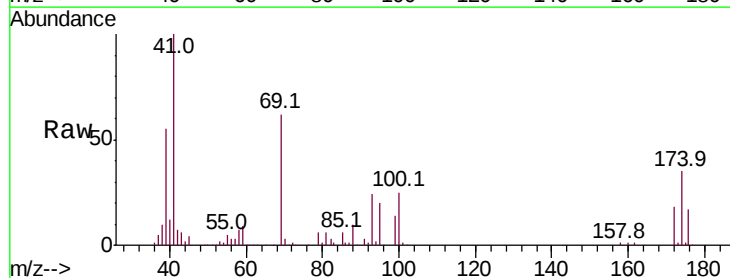
Tgt Ion: 41 Resp: 601997

Ion Ratio Lower Upper

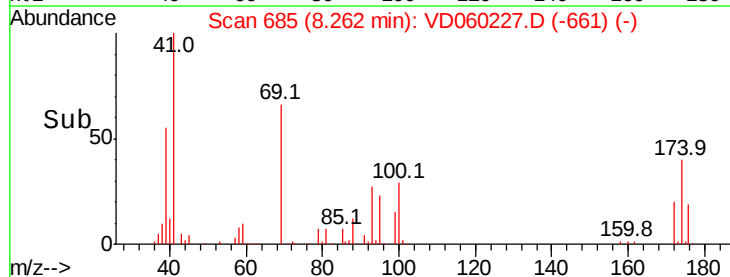
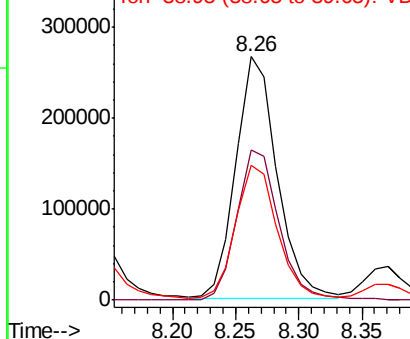
41 100

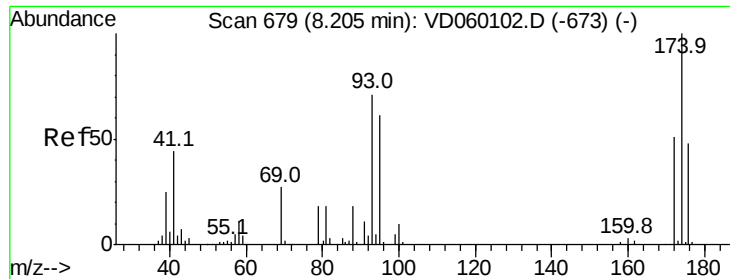
69 61.6 49.7 74.5

39 55.2 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: 1030.633 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.05 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

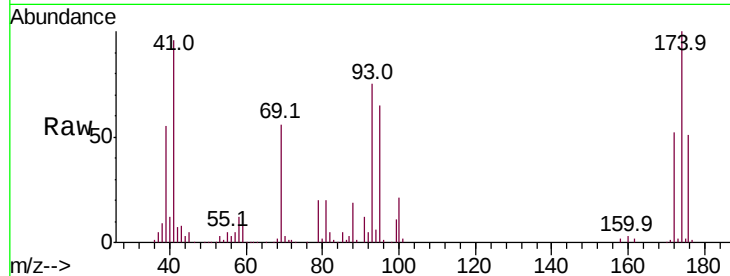
Tot Ion: 88 Resp: 110543

Ion Ratio Lower Upper

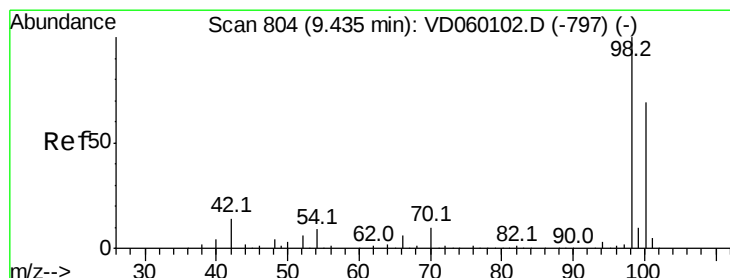
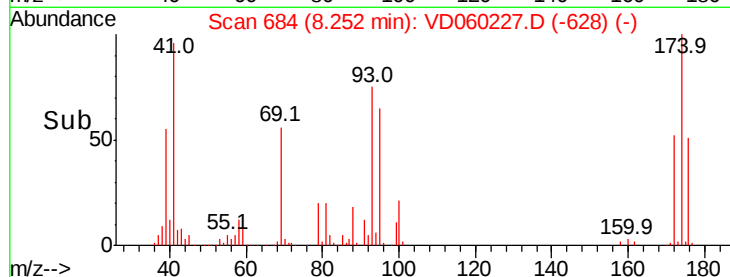
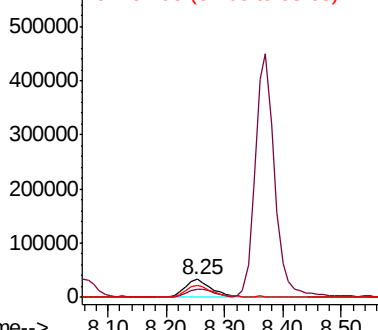
88 100

43 42.2 33.7 50.5

58 67.0 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: 1030.633 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.04 min

Lab File: VD060227.D

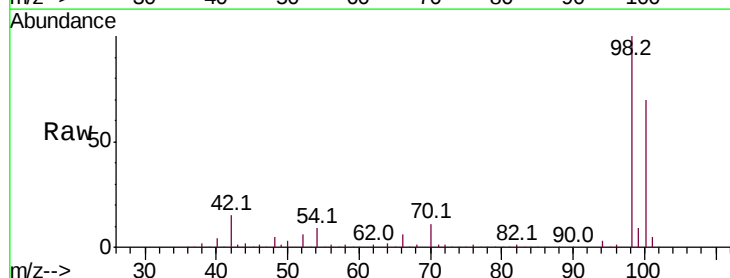
Acq: 29 Oct 2018 13:58

Tgt Ion: 98 Resp: 2513765

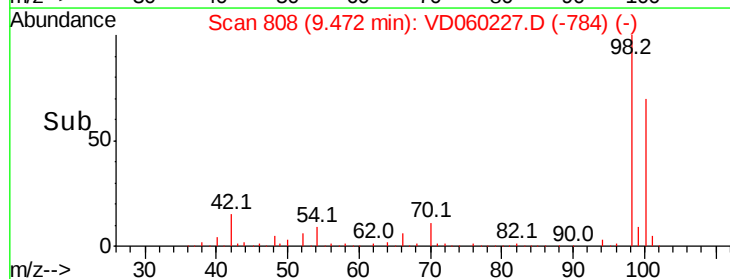
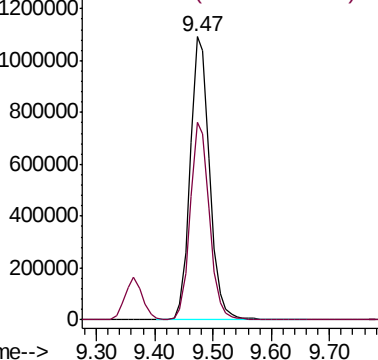
Ion Ratio Lower Upper

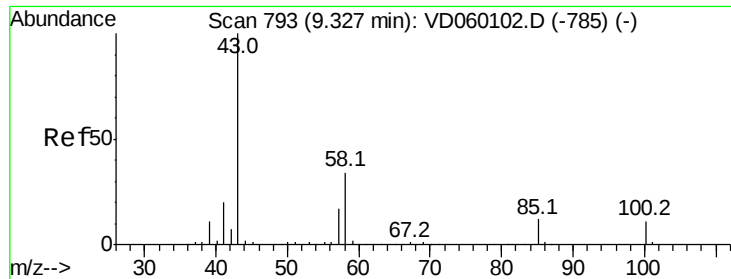
98 100

100 69.7 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: 278.523 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

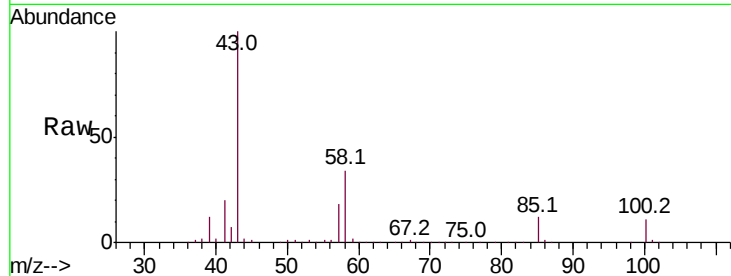
VSTDCCC050

Tot Ion: 43 Resp: 3361946

Ion Ratio Lower Upper

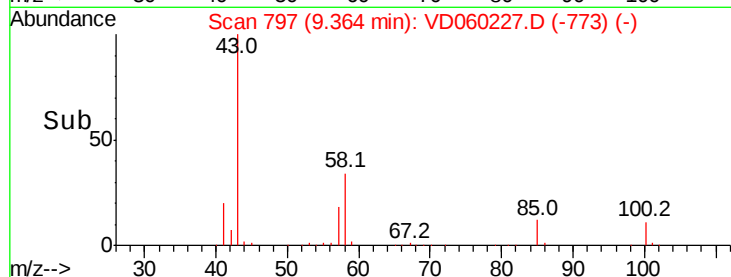
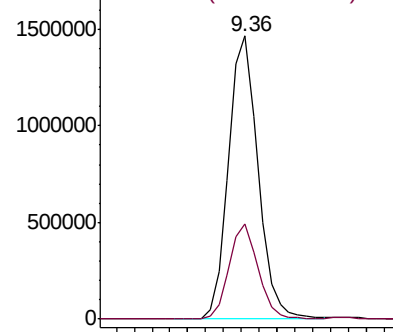
43 100

58 33.7 27.2 40.8

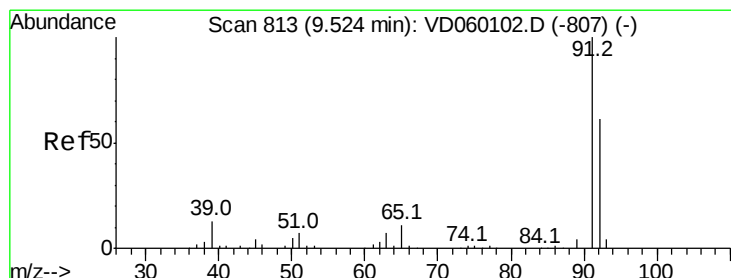


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 52.673 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.05 min

Lab File: VD060227.D

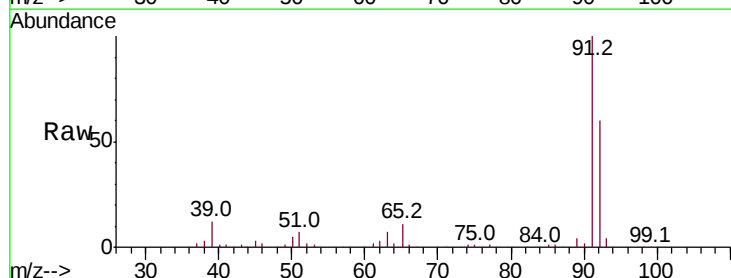
Acq: 29 Oct 2018 13:58

Tgt Ion: 92 Resp: 1944966

Ion Ratio Lower Upper

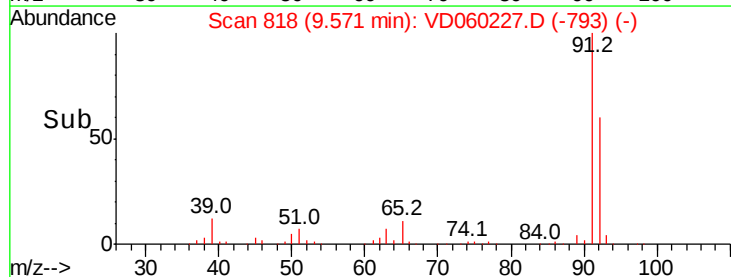
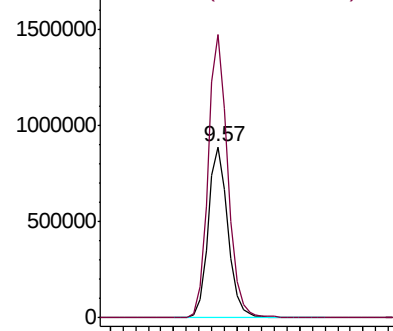
92 100

91 165.3 131.9 197.9

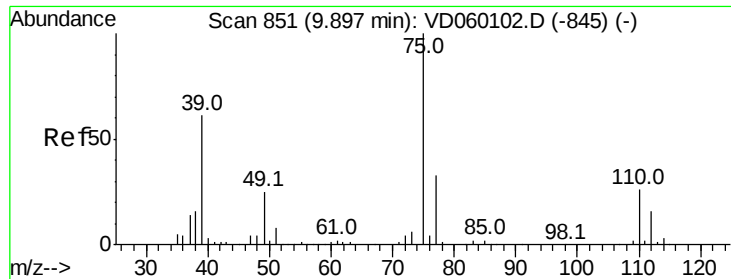


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#53

t-1,3-Dichloropropene

Concen: 57.394 ug/l

RT: 9.93 min Scan# 855

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

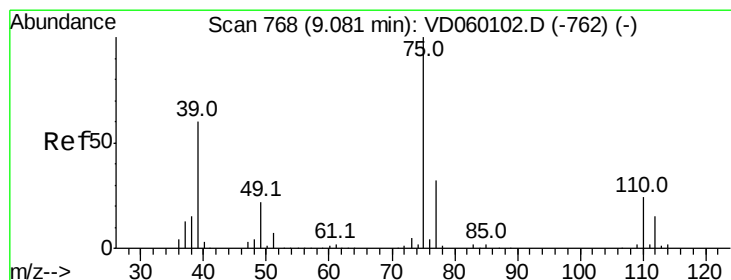
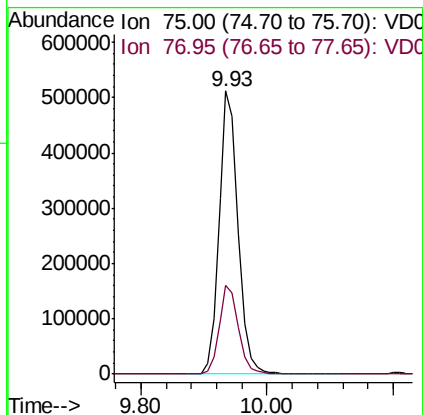
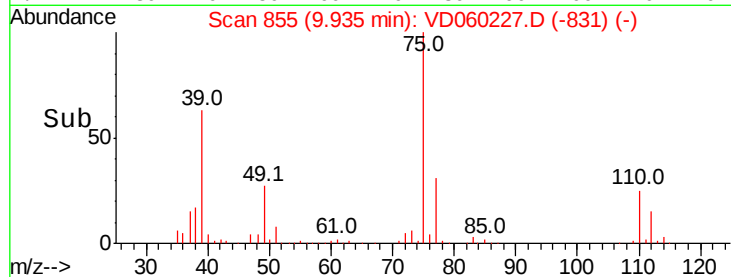
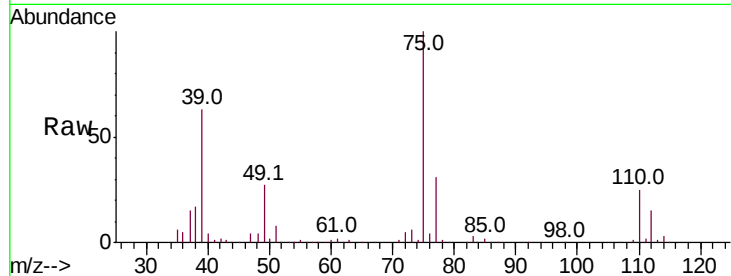
VSTDCCC050

Tot Ion: 75 Resp: 1075468

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 55.323 ug/l

RT: 9.12 min Scan# 772

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

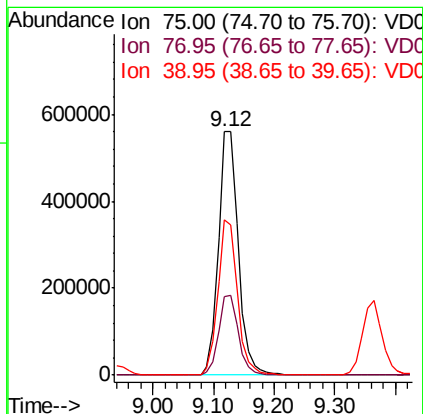
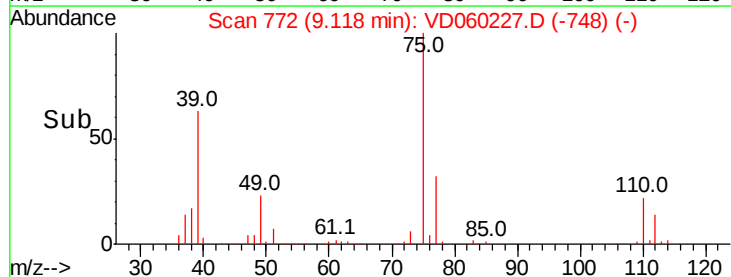
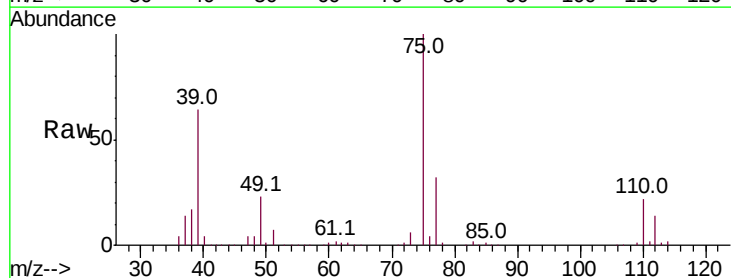
Tgt Ion: 75 Resp: 1280142

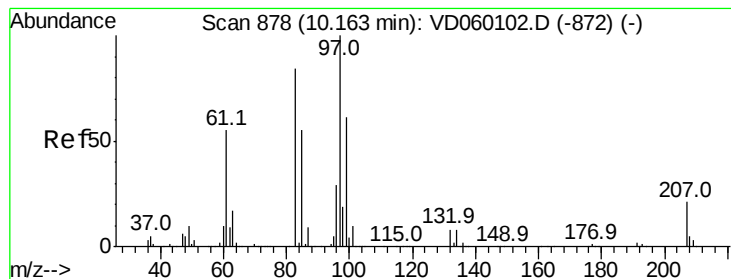
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 63.6 48.2 72.4





#55

1,1,2-Trichloroethane

Concen: 53.290 ug/l

RT: 10.20 min Scan# 882

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 643283

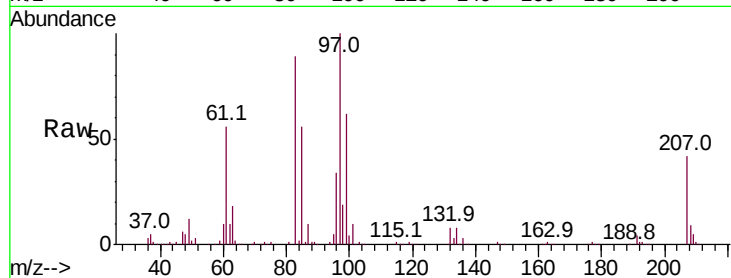
Ion Ratio Lower Upper

97 100

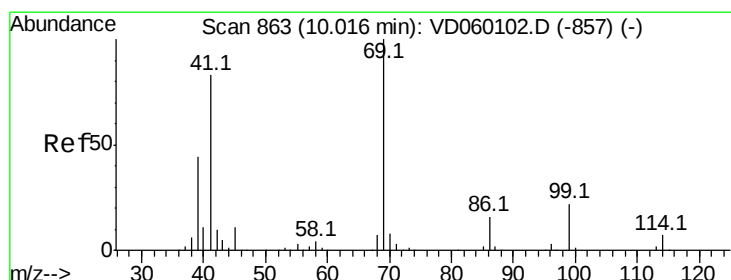
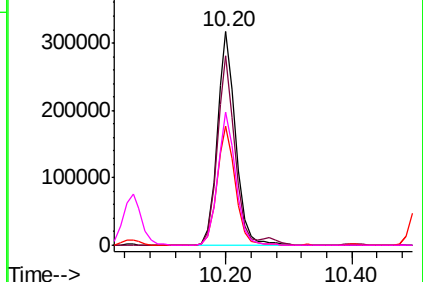
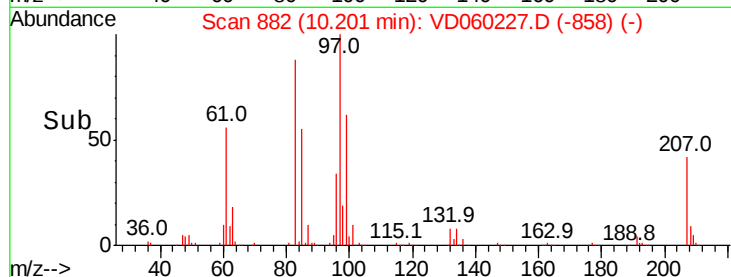
83 88.7 67.0 100.6

85 56.0 43.9 65.9

99 62.3 49.1 73.7



Abundance Ion 96.85 (96.55 to 97.55): VDC
 500000 Ion 82.95 (82.65 to 83.65): VDC
 400000 Ion 84.95 (84.65 to 85.65): VDC
 300000 Ion 98.85 (98.55 to 99.55): VDC
 200000
 100000
 0



#56

Ethyl methacrylate

Concen: 57.207 ug/l

RT: 10.05 min Scan# 867

Delta R.T. 0.04 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

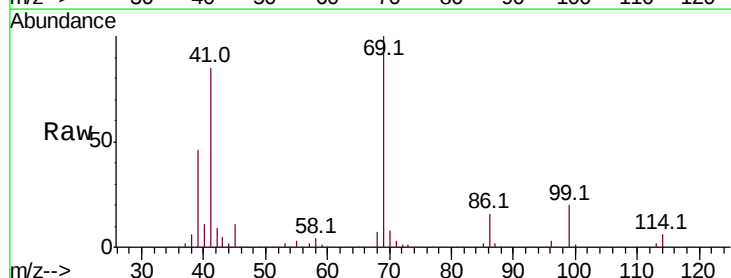
Tgt Ion: 69 Resp: 762283

Ion Ratio Lower Upper

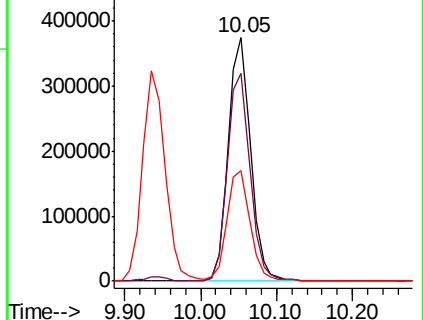
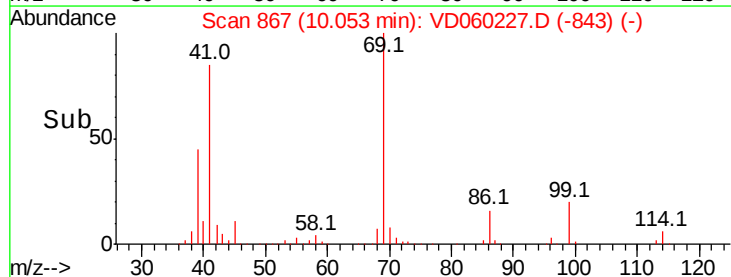
69 100

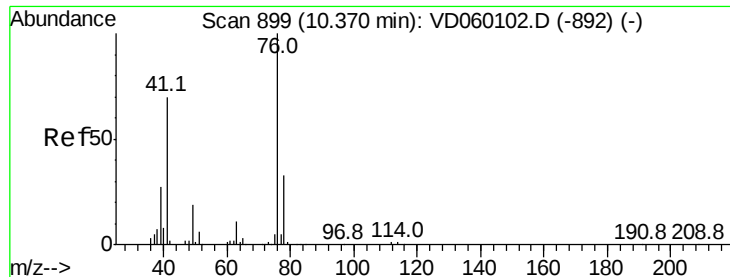
41 85.5 66.6 100.0

39 45.6 36.0 54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 500000 Ion 41.05 (40.75 to 41.75): VDC
 400000 Ion 38.95 (38.65 to 39.65): VDC
 300000
 200000
 100000
 0

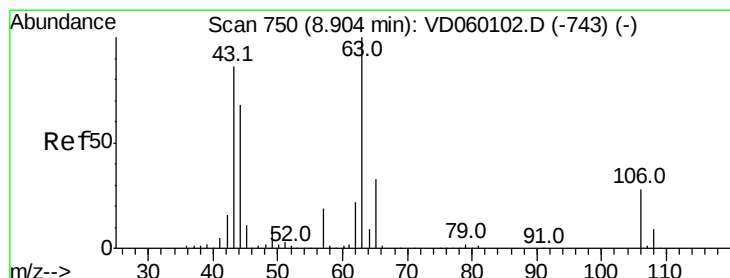
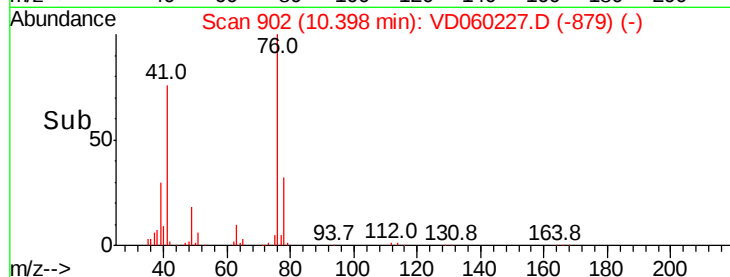
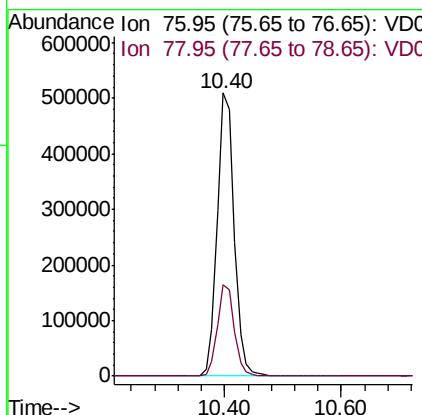
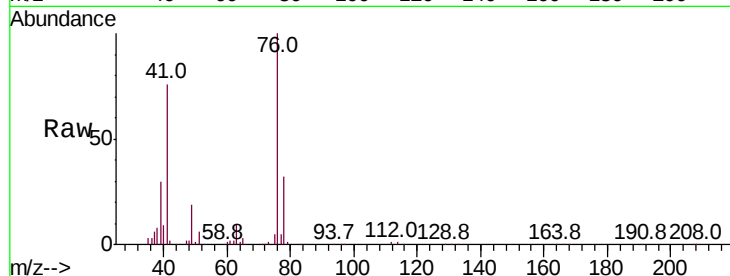




#57
 1,3-Dichloropropane
 Concen: 56.172 ug/l
 RT: 10.40 min Scan# 902
 Delta R.T. 0.03 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

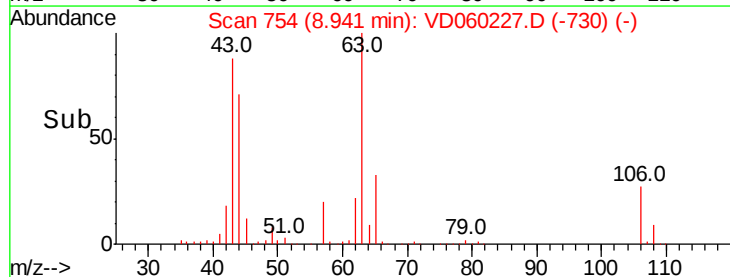
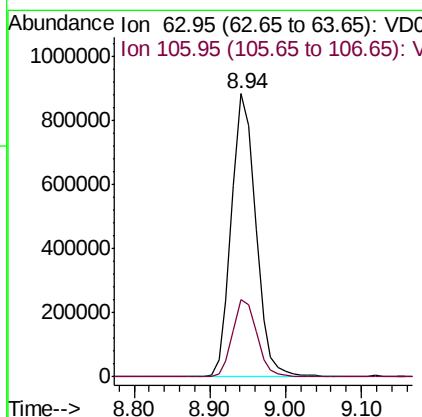
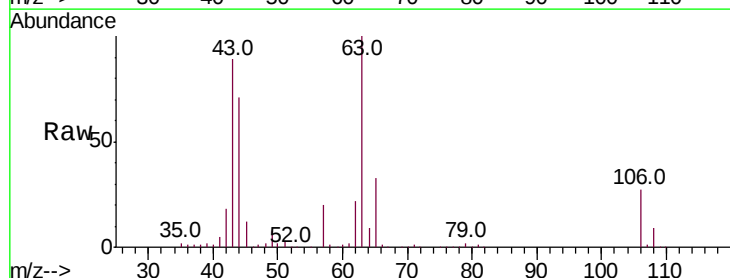
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

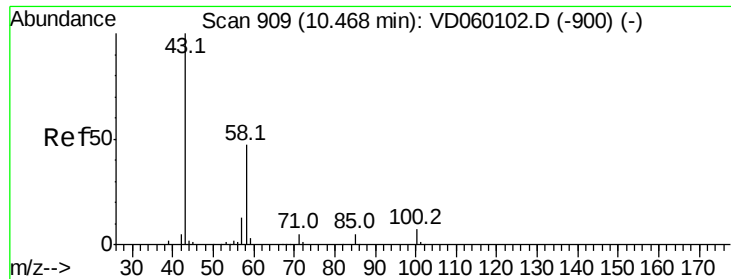
Tot Ion: 76 Resp: 1034137
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.405 ug/l
 RT: 8.94 min Scan# 754
 Delta R.T. 0.04 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 63 Resp: 1971255
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 34.0

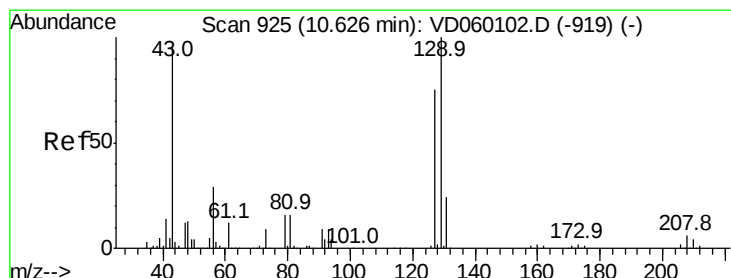
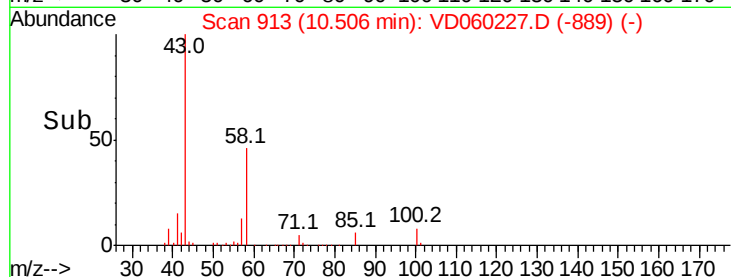
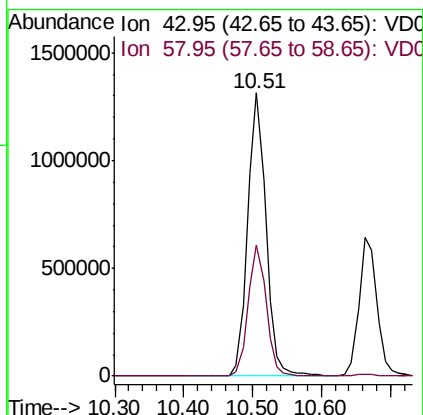
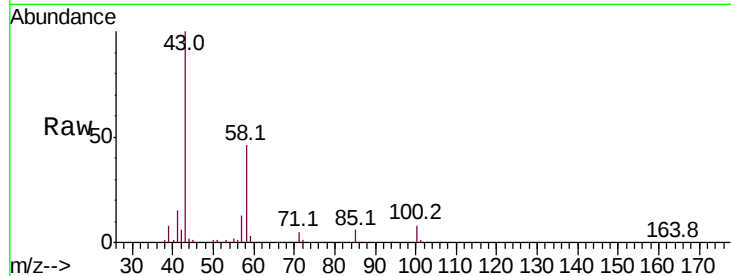




#59
2-Hexanone
Concen: 279.509 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.04 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

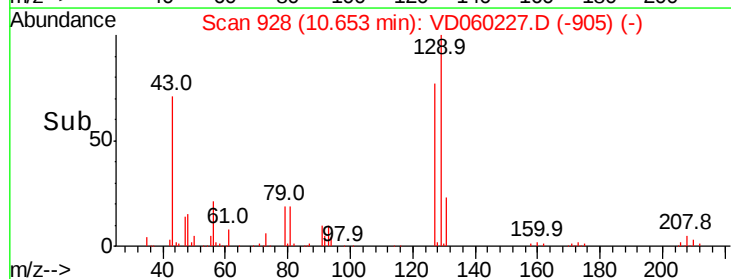
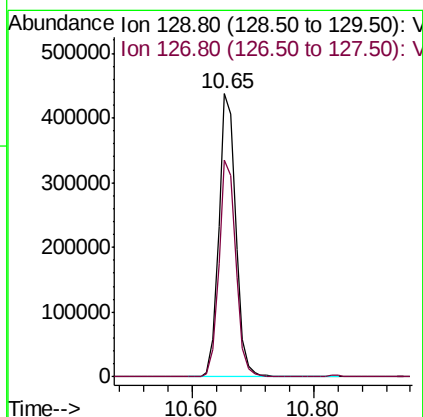
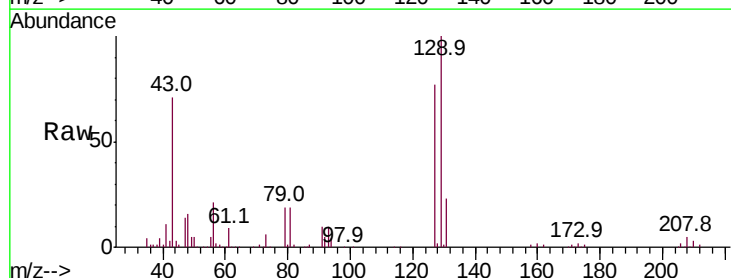
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

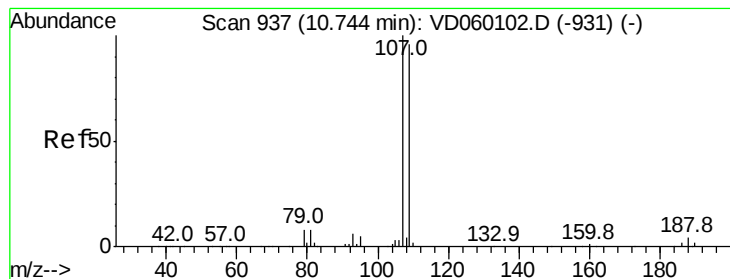
Tot Ion: 43 Resp: 2426070
Ion Ratio Lower Upper
43 100
58 46.2 23.3 69.9



#60
Dibromochloromethane
Concen: 56.984 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.03 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion:129 Resp: 843976
Ion Ratio Lower Upper
129 100
127 76.6 37.4 112.2





#61

1,2-Dibromoethane

Concen: 54.762 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

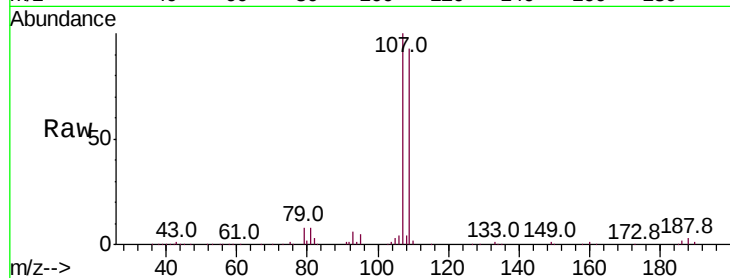
VSTDCCC050

Tot Ion:107 Resp: 702380

Ion Ratio Lower Upper

107 100

109 92.8 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

400000

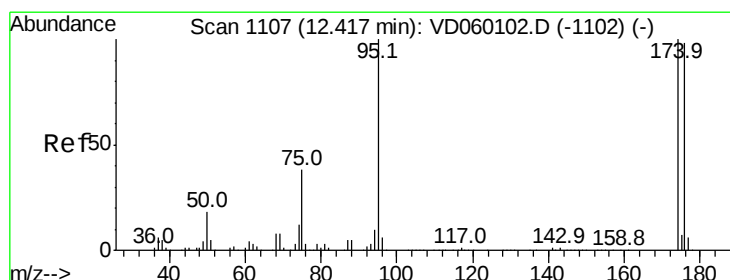
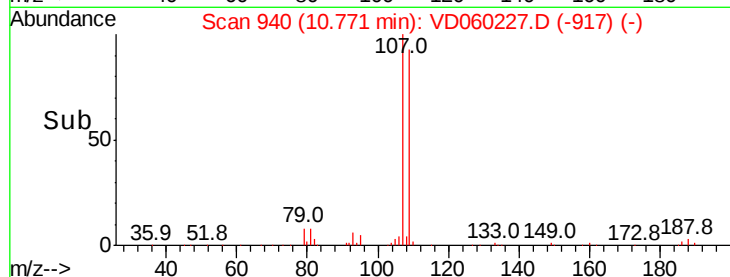
300000

200000

100000

0

Time--> 10.60 10.80 11.00



#62

4-Bromofluorobenzene

Concen: 54.762 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

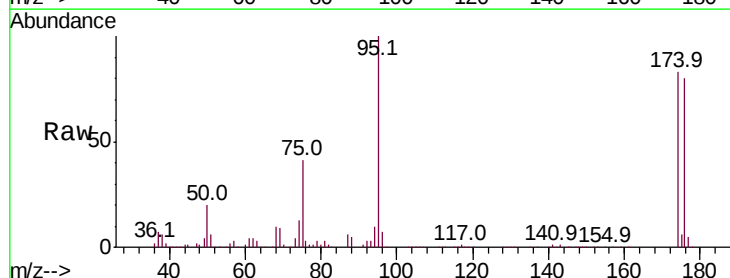
Tgt Ion: 95 Resp: 934259

Ion Ratio Lower Upper

95 100

174 83.2 0.0 200.2

176 80.1 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

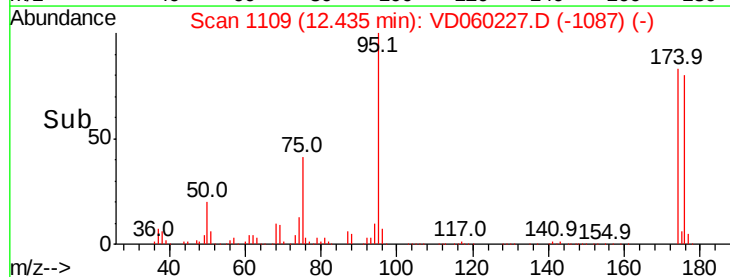
600000

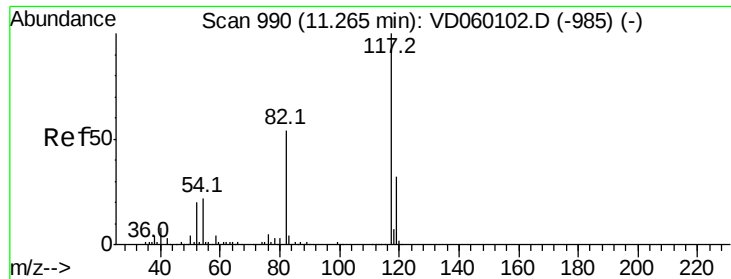
400000

200000

0

Time--> 12.40 12.50

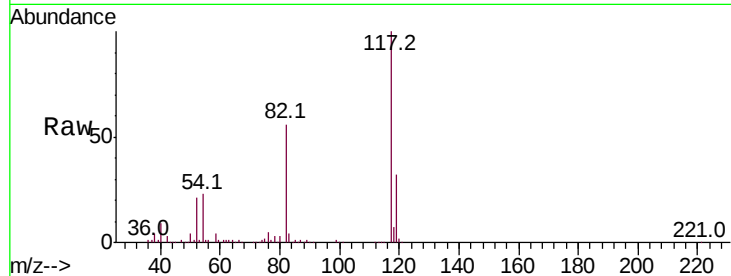




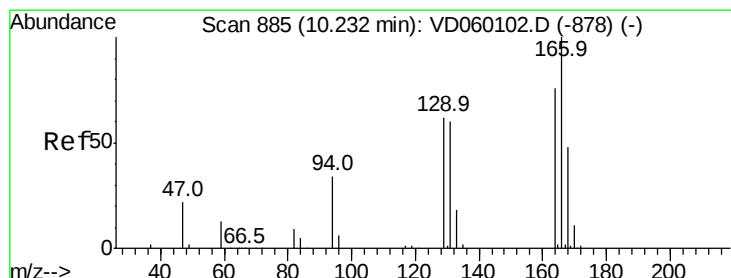
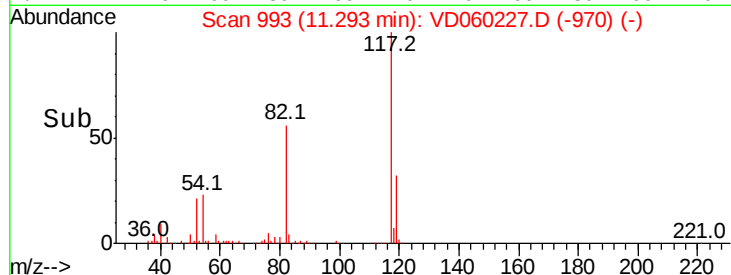
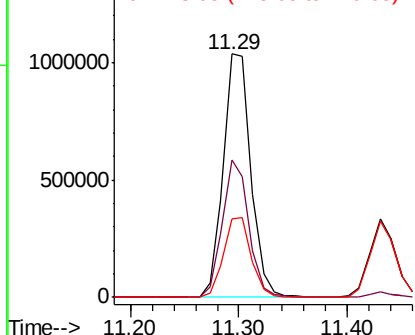
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1842098
Ion Ratio Lower Upper
117 100
82 56.3 43.4 65.2
119 32.1 26.0 39.0

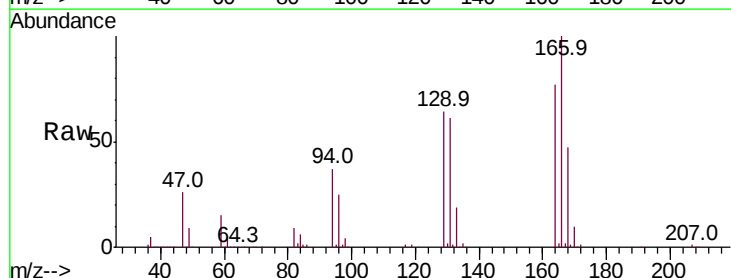


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

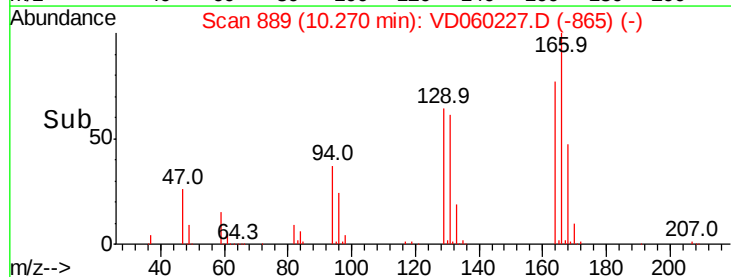
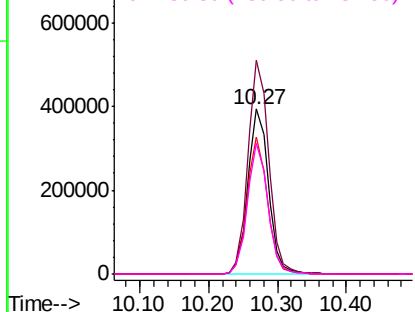


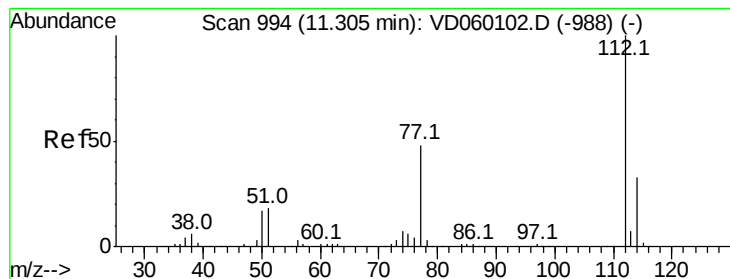
#64
Tetrachloroethene
Concen: 50.857 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.04 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion:164 Resp: 820526
Ion Ratio Lower Upper
164 100
166 129.7 105.4 158.0
129 83.4 65.7 98.5
131 79.0 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: 52.383 ug/l

RT: 11.33 min Scan# 997

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

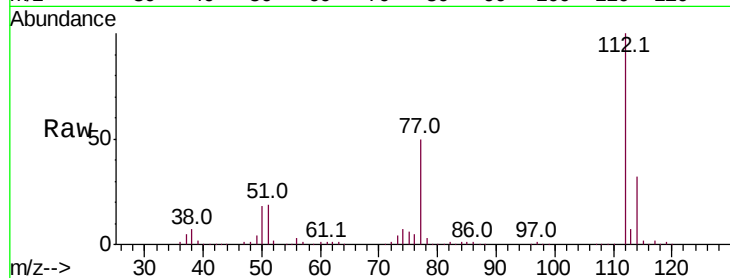
VSTDCCC050

Tot Ion:112 Resp: 2087518

Ion Ratio Lower Upper

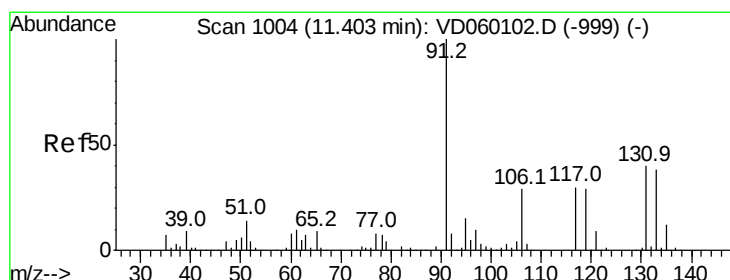
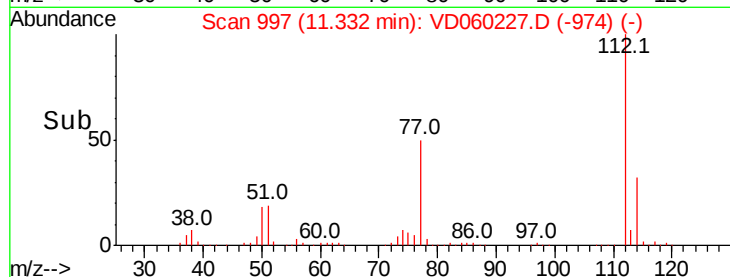
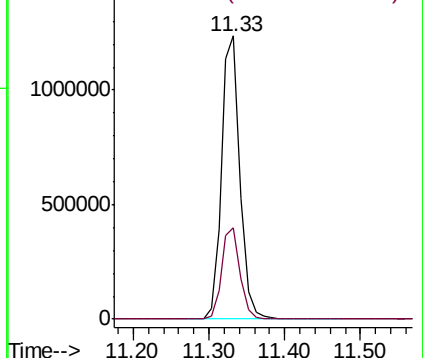
112 100

114 32.1 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.041 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

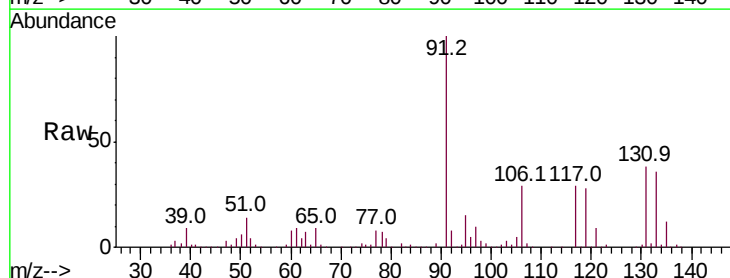
Tgt Ion:131 Resp: 745029

Ion Ratio Lower Upper

131 100

133 96.7 47.4 142.3

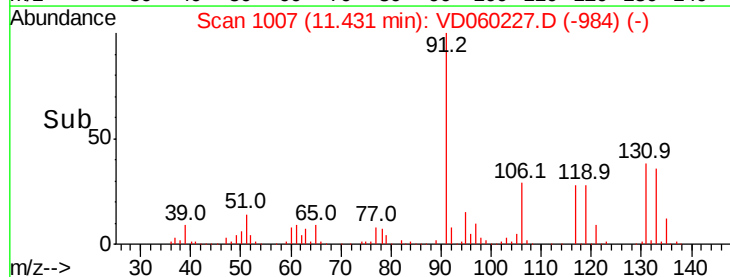
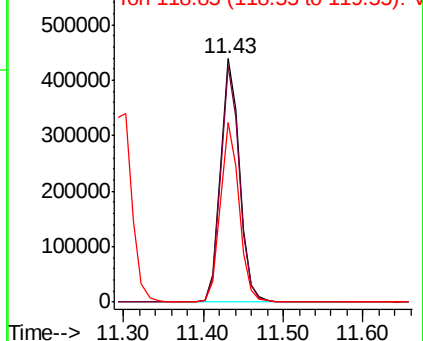
119 73.5 36.1 108.3

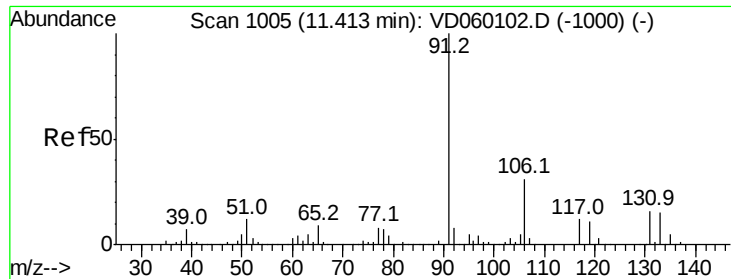


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 53.681 ug/l

RT: 11.44 min Scan# 1008

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

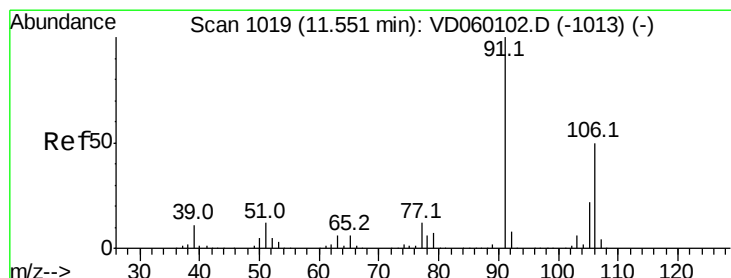
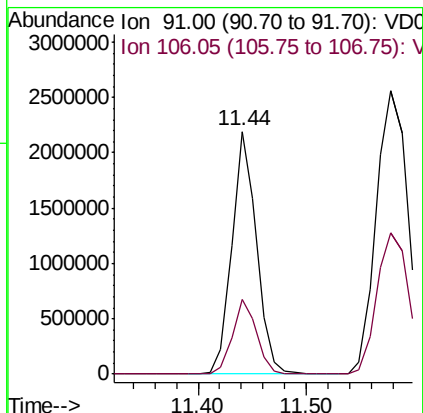
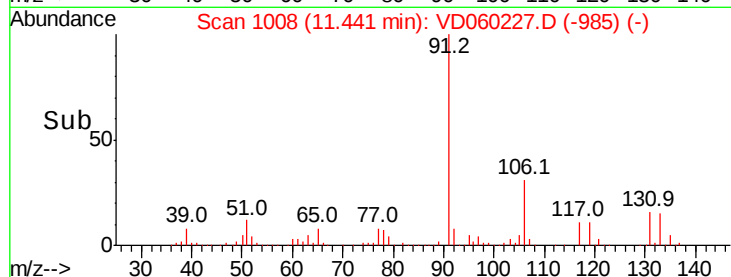
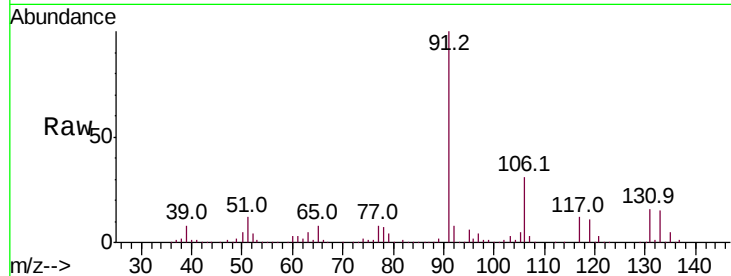
VSTDCCC050

Tot Ion: 91 Resp: 3465985

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



#68

m/p-Xylenes

Concen: 107.790 ug/l

RT: 11.58 min Scan# 1022

Delta R.T. 0.03 min

Lab File: VD060227.D

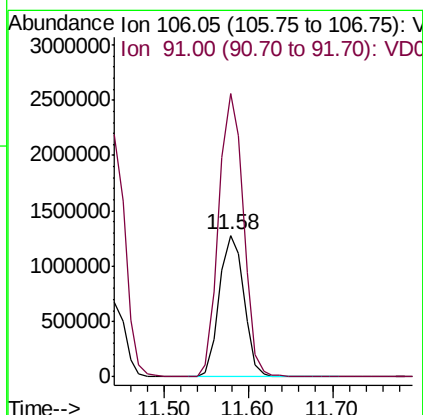
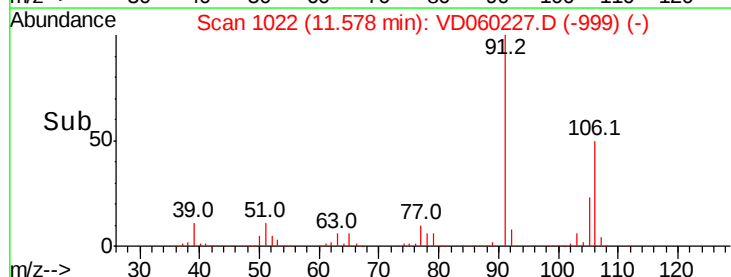
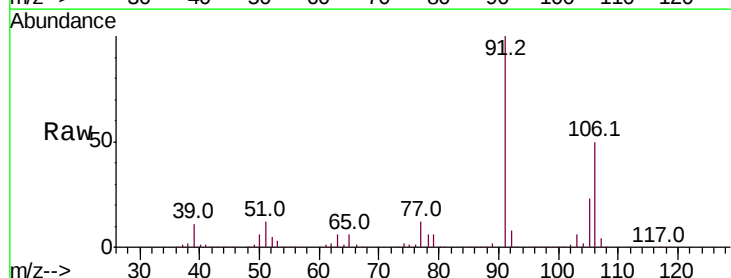
Acq: 29 Oct 2018 13:58

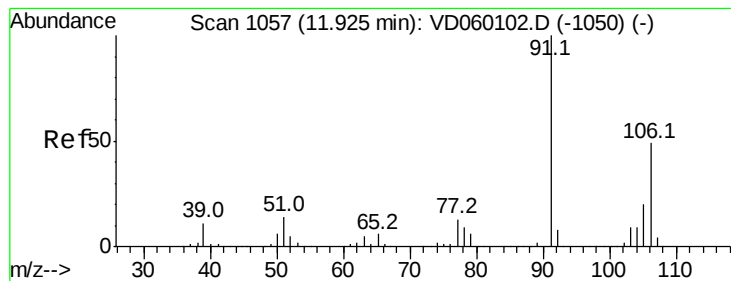
Tgt Ion: 106 Resp: 2600368

Ion Ratio Lower Upper

106 100

91 199.7 160.0 240.0





#69

o-Xylene

Concen: 52.879 ug/l

RT: 11.95 min Scan# 1060

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleID :

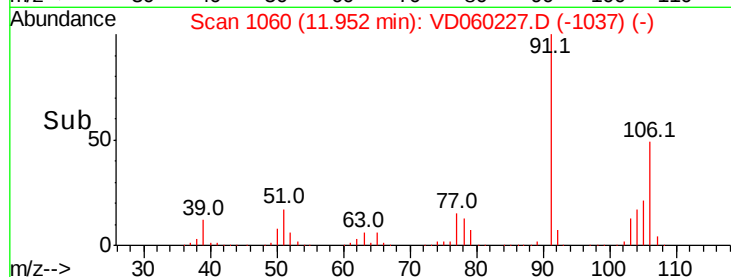
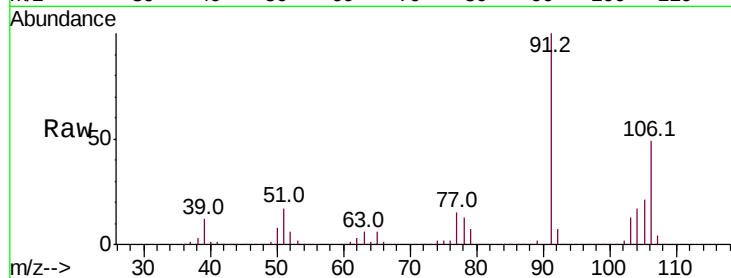
VSTDCCC050

Tot Ion:106 Resp: 1261797

Ion Ratio Lower Upper

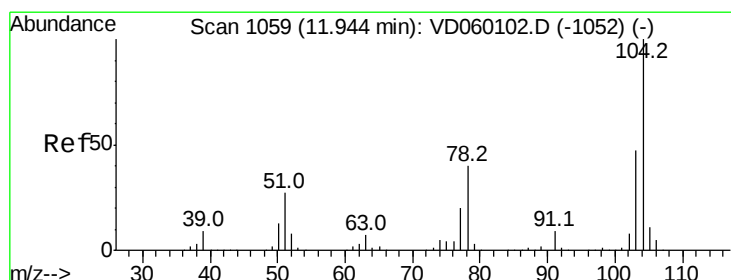
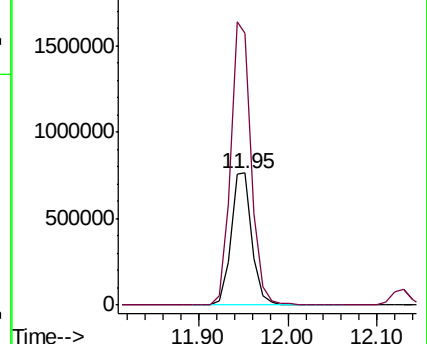
106 100

91 206.1 102.5 307.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 52.762 ug/l

RT: 11.97 min Scan# 1062

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

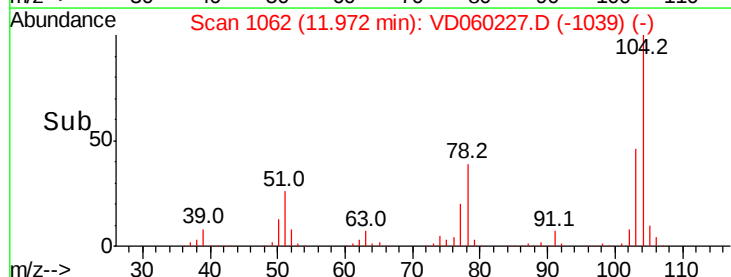
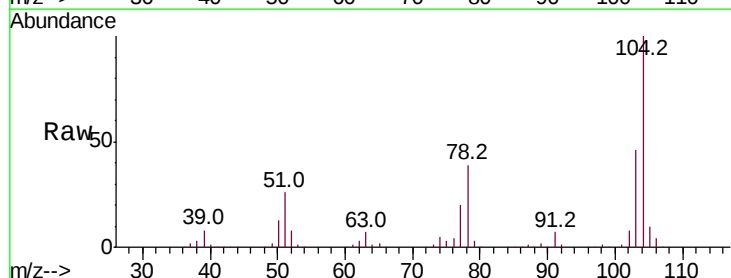
Tgt Ion:104 Resp: 2105463

Ion Ratio Lower Upper

104 100

78 39.1 32.2 48.4

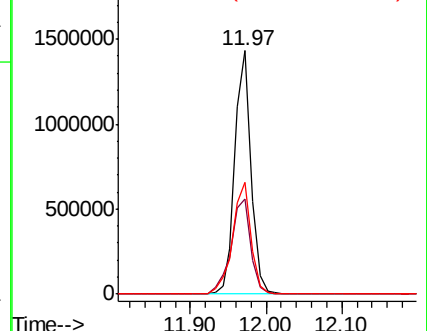
103 46.0 37.4 56.0

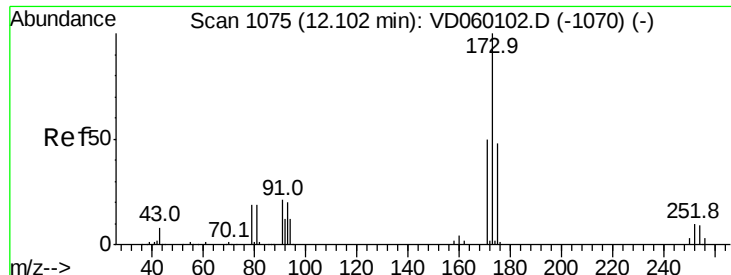


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 57.737 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

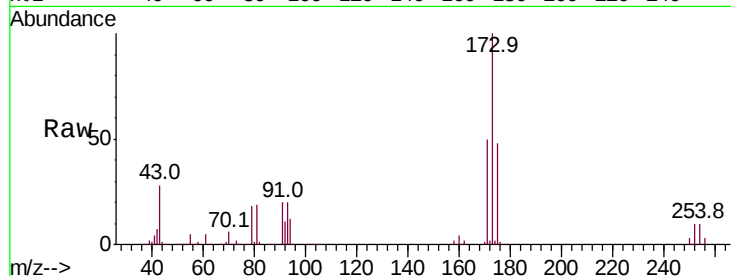
Tot Ion:173 Resp: 621547

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

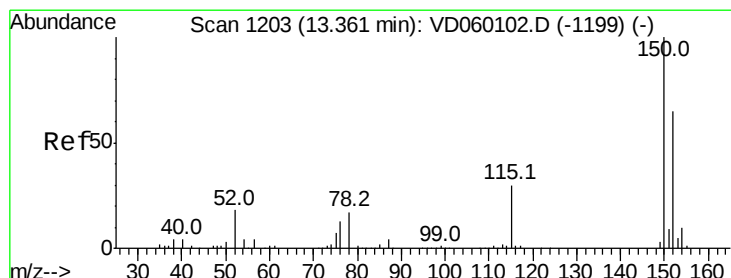
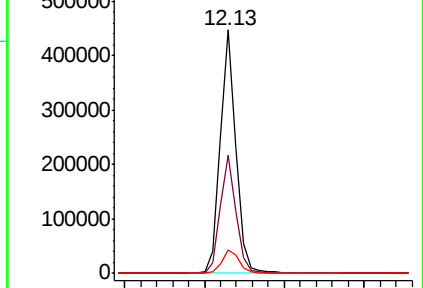
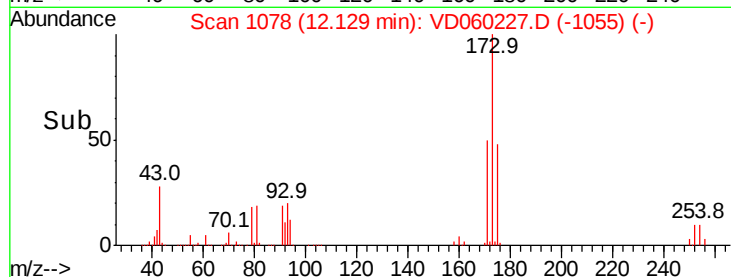
254 9.7 7.4 11.0



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: 13.38 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

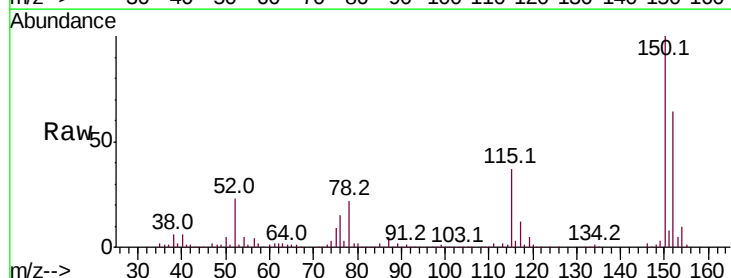
Tgt Ion:152 Resp: 977192

Ion Ratio Lower Upper

152 100

115 56.7 27.1 81.2

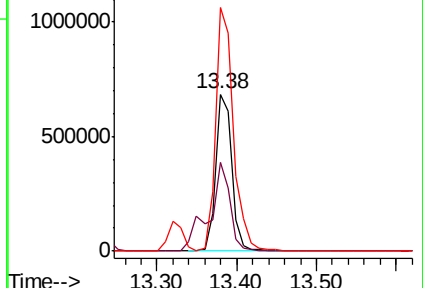
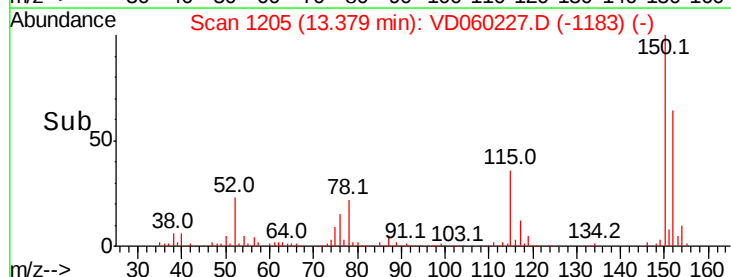
150 155.1 0.0 311.8

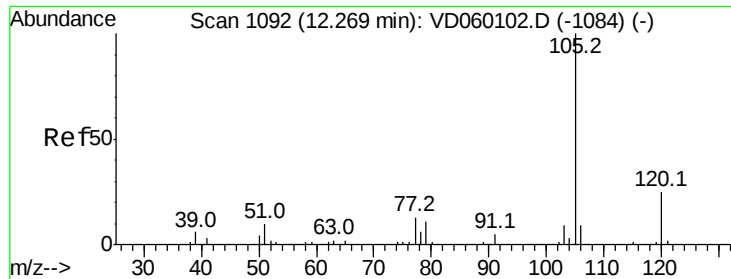


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.801 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

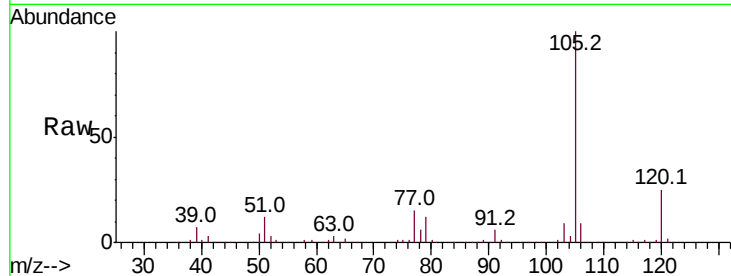
VSTDCCC050

Tot Ion:105 Resp: 3468427

Ion Ratio Lower Upper

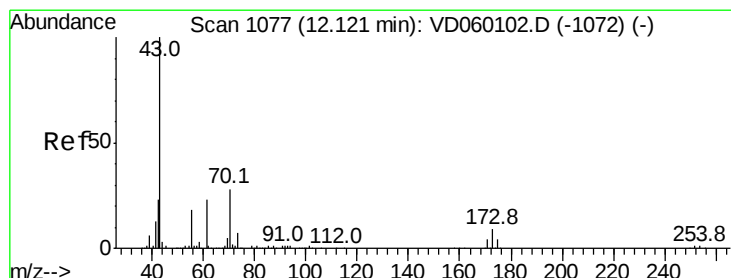
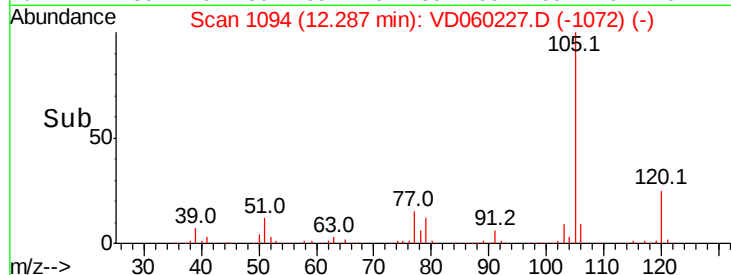
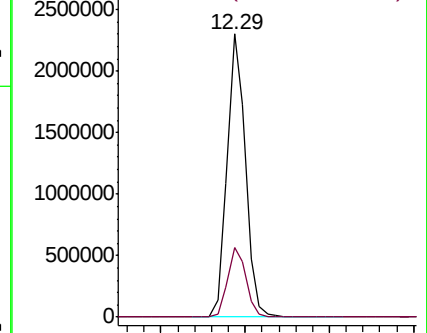
105 100

120 24.5 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: 55.037 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Tgt Ion: 43 Resp: 1299634

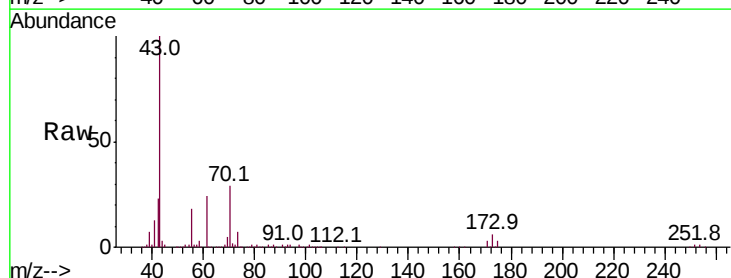
Ion Ratio Lower Upper

43 100

70 29.4 22.1 33.1

55 17.7 14.1 21.1

61 23.9 18.4 27.6

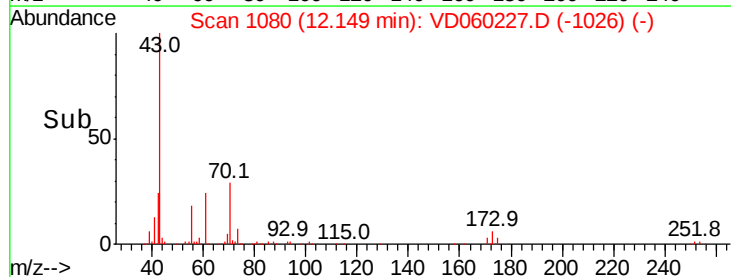
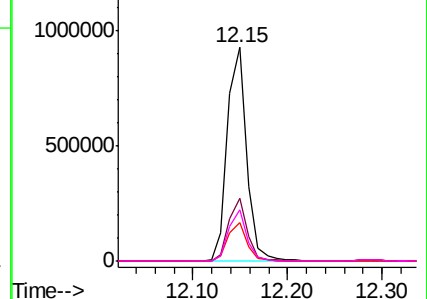


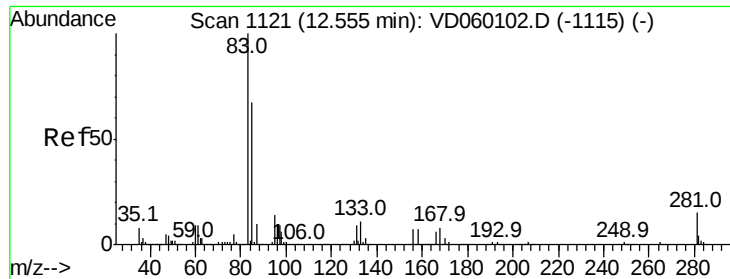
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 55.288 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

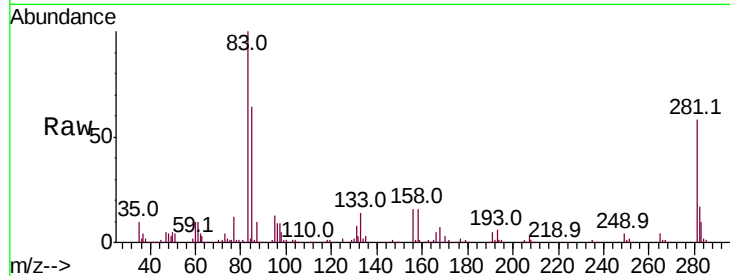
Tot Ion: 83 Resp: 778138

Ion Ratio Lower Upper

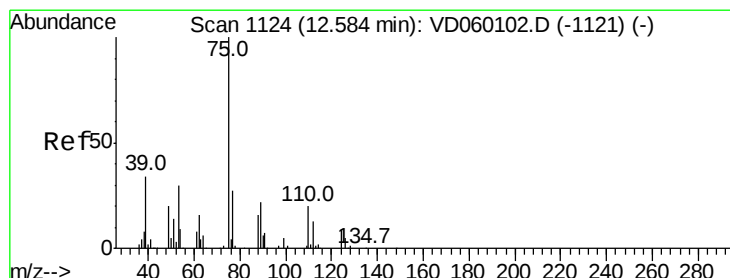
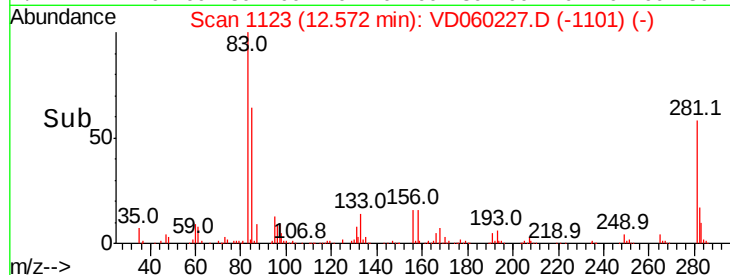
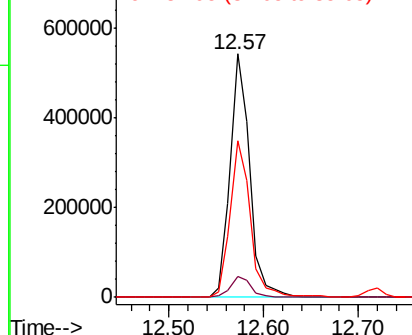
83 100

131 8.5 4.5 13.4

85 64.1 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: 55.566 ug/l

RT: 12.61 min Scan# 1127

Delta R.T. 0.03 min

Lab File: VD060227.D

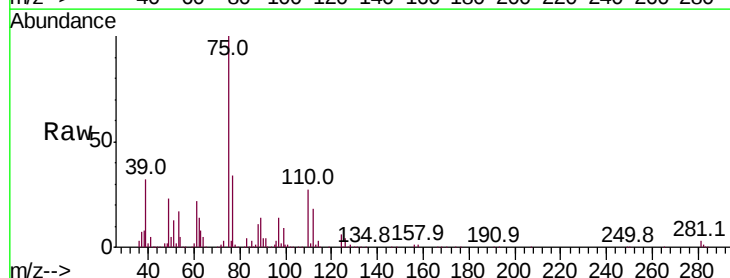
Acq: 29 Oct 2018 13:58

Tgt Ion: 75 Resp: 781969

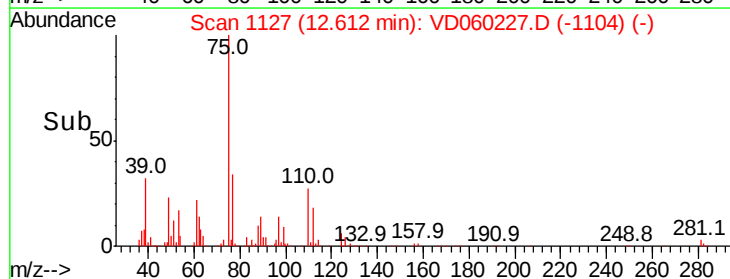
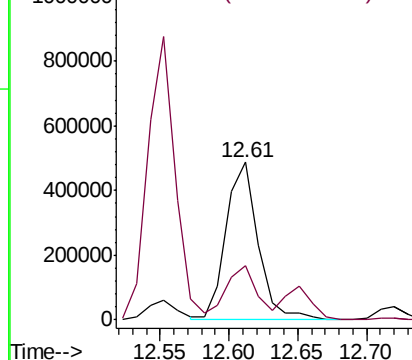
Ion Ratio Lower Upper

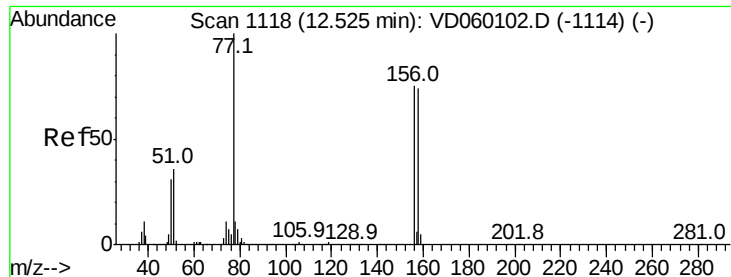
75 100

77 34.1 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: 53.030 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

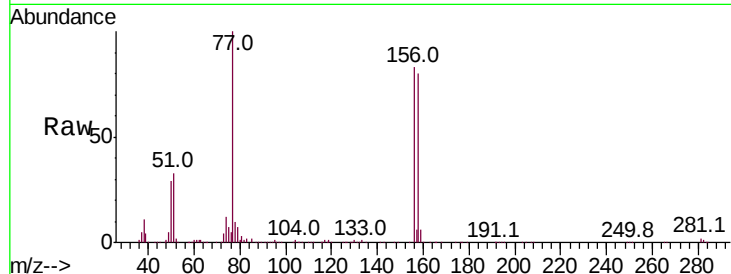
Tot Ion:156 Resp: 993450

Ion Ratio Lower Upper

156 100

77 120.8 66.9 200.7

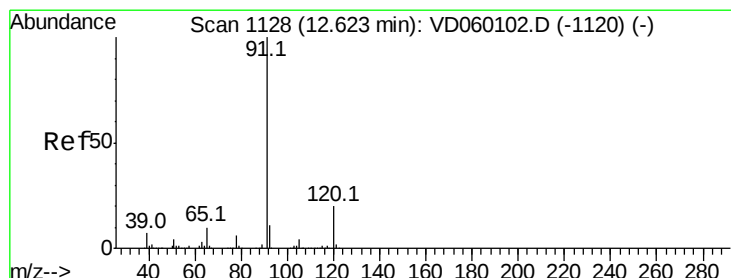
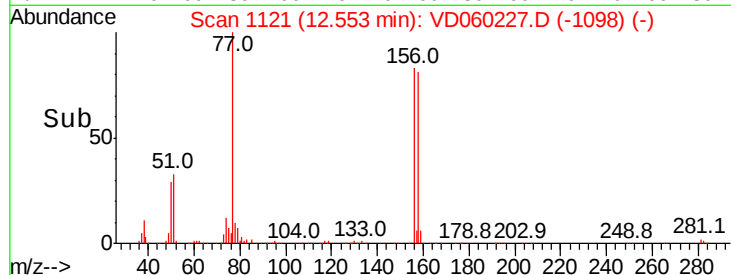
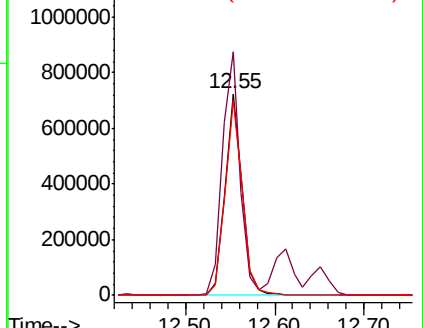
158 97.0 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.170 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.03 min

Lab File: VD060227.D

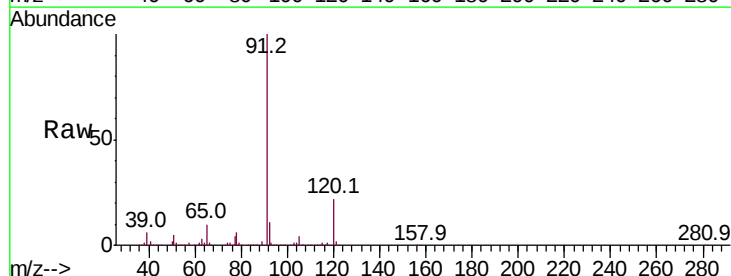
Acq: 29 Oct 2018 13:58

Tgt Ion: 91 Resp: 4176150

Ion Ratio Lower Upper

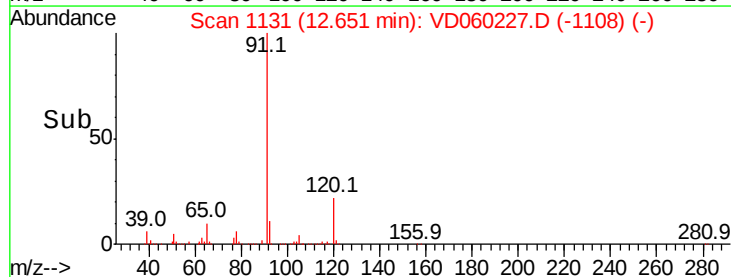
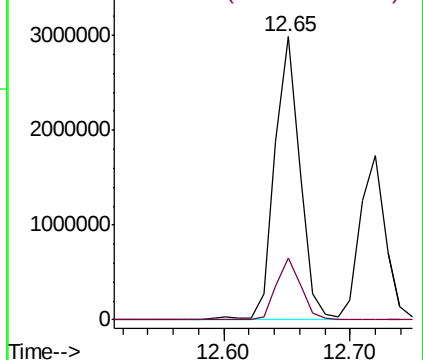
91 100

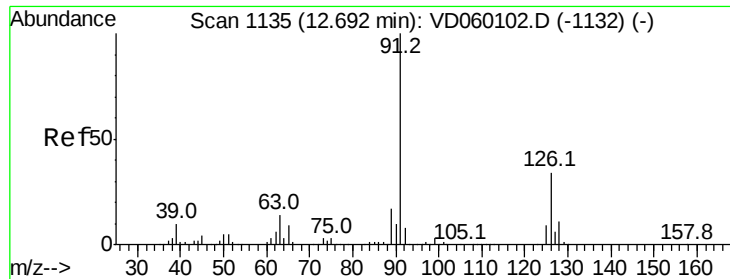
120 21.9 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.456 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

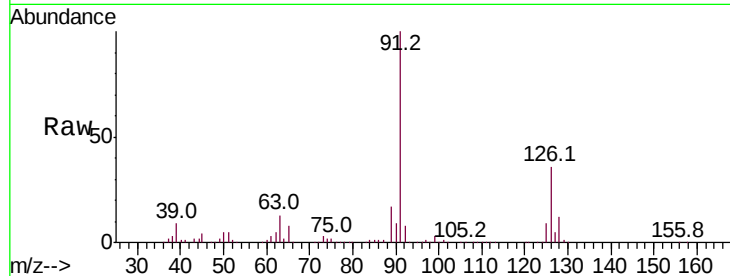
VSTDCCC050

Tot Ion: 91 Resp: 2374931

Ion Ratio Lower Upper

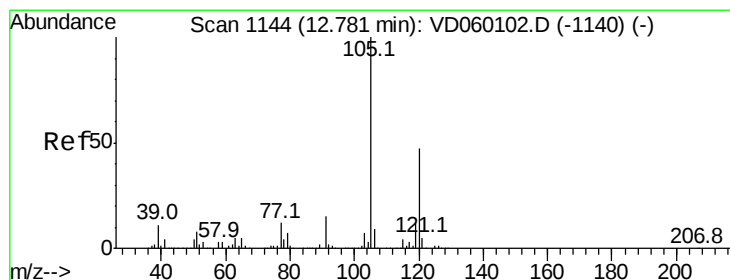
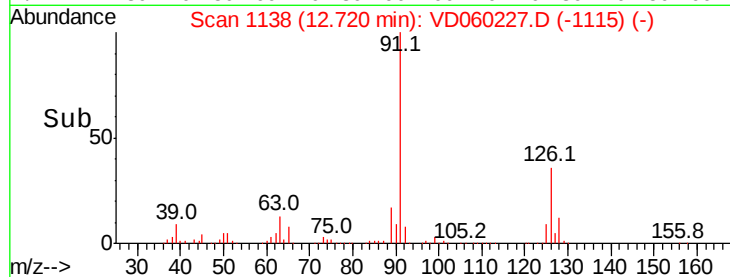
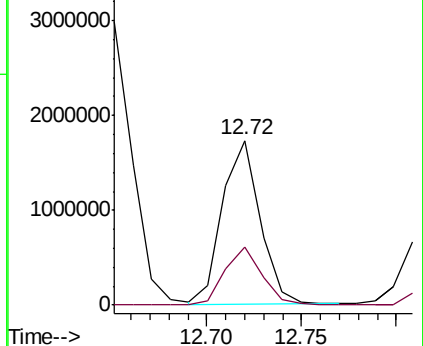
91 100

126 35.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.154 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.03 min

Lab File: VD060227.D

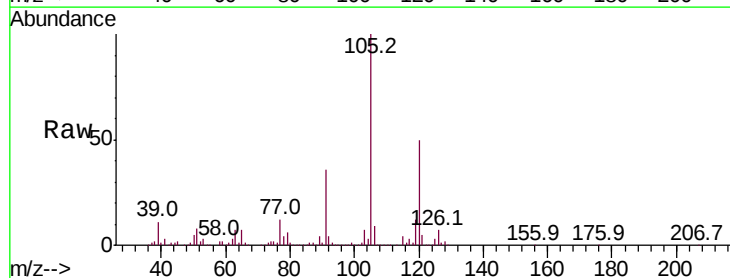
Acq: 29 Oct 2018 13:58

Tgt Ion:105 Resp: 2602212

Ion Ratio Lower Upper

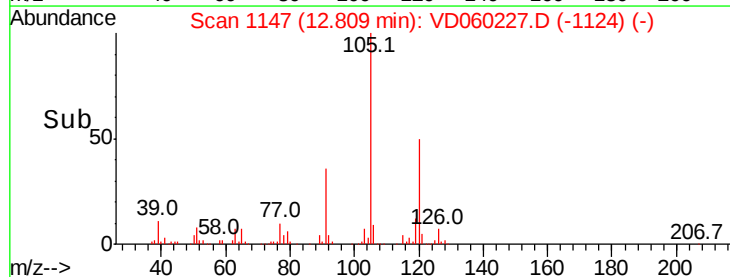
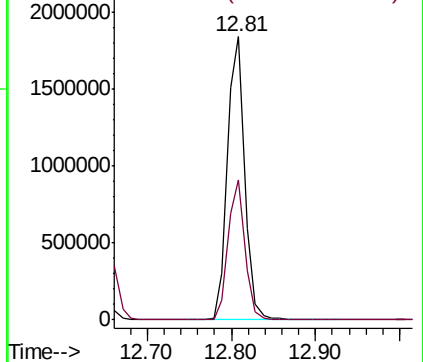
105 100

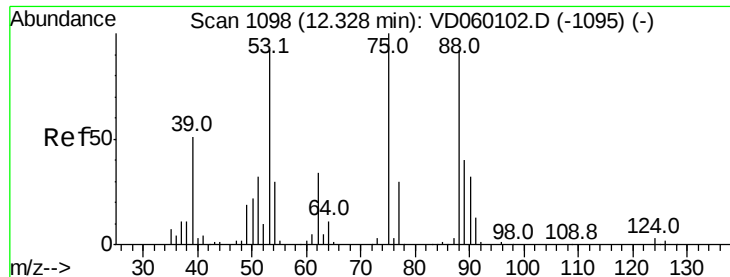
120 49.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.432 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.03 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

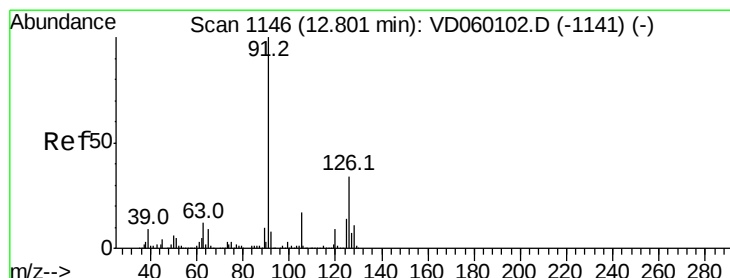
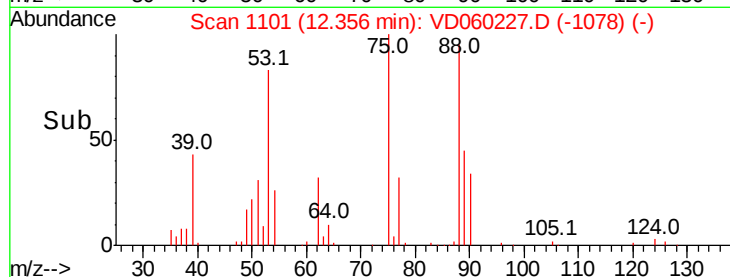
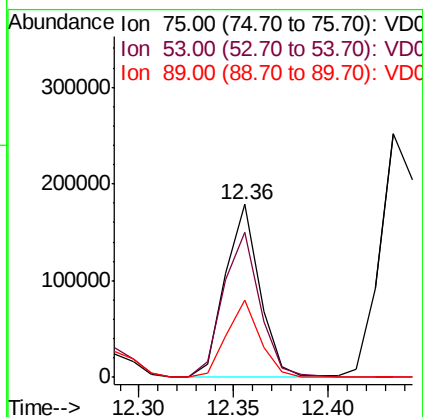
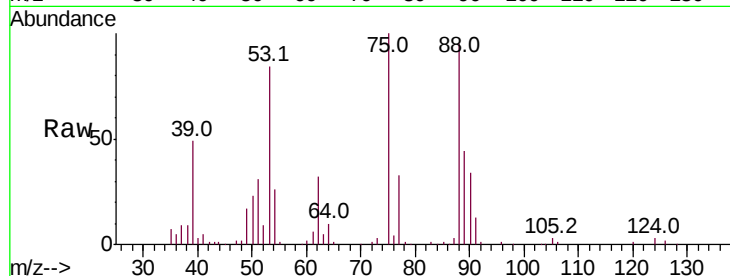
Tot Ion: 75 Resp: 223146

Ion Ratio Lower Upper

75 100

53 83.9 73.0 109.6

89 44.4 32.0 48.0



#82

4-Chlorotoluene

Concen: 52.657 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VD060227.D

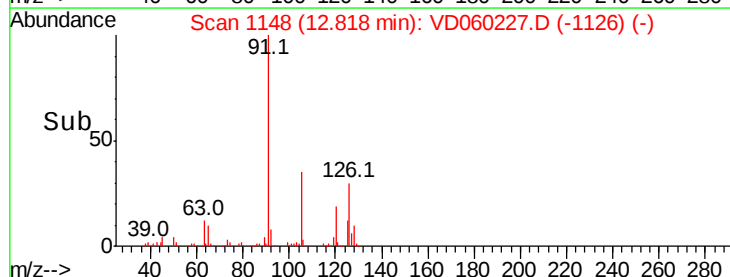
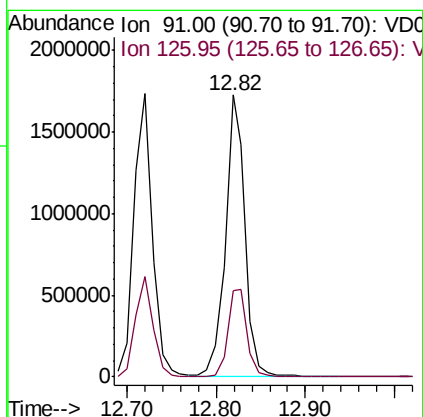
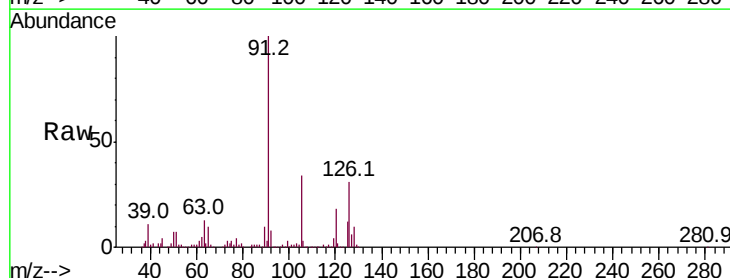
Acq: 29 Oct 2018 13:58

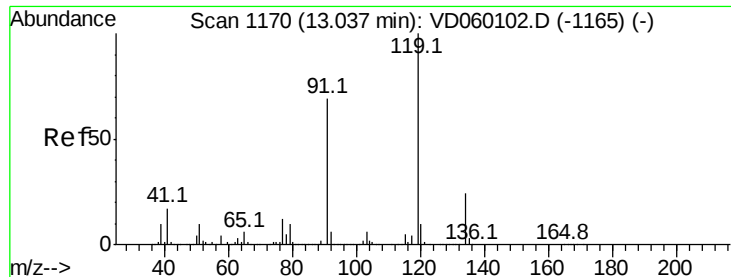
Tgt Ion: 91 Resp: 2646045

Ion Ratio Lower Upper

91 100

126 30.6 17.1 51.2

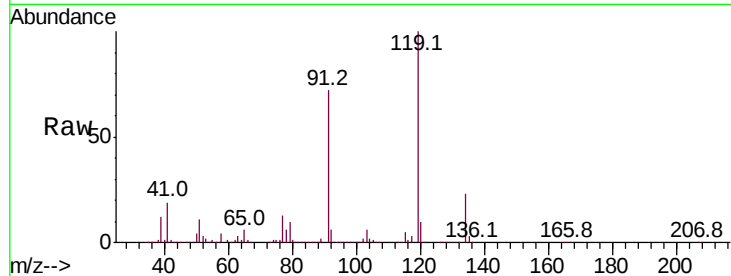




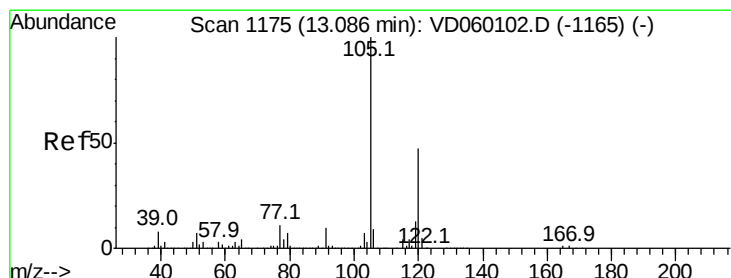
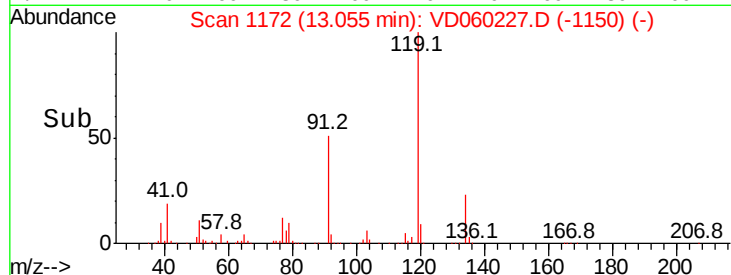
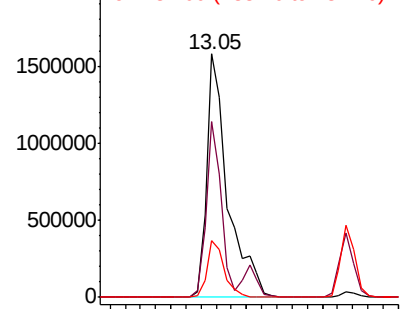
#83
tert-Butylbenzene
Concen: 53.740 ug/l
RT: 13.05 min Scan# 1172
Delta R.T. 0.02 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 3076932
Ion Ratio Lower Upper
119 100
91 72.1 34.8 104.4
134 23.4 11.8 35.4

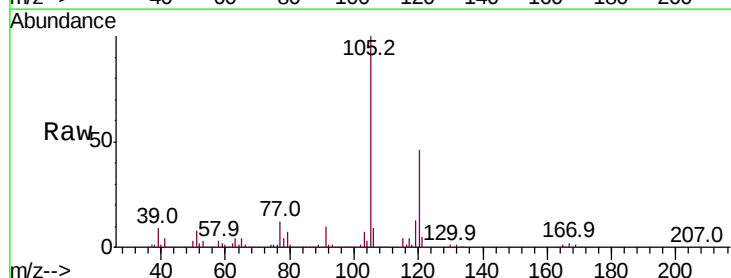


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

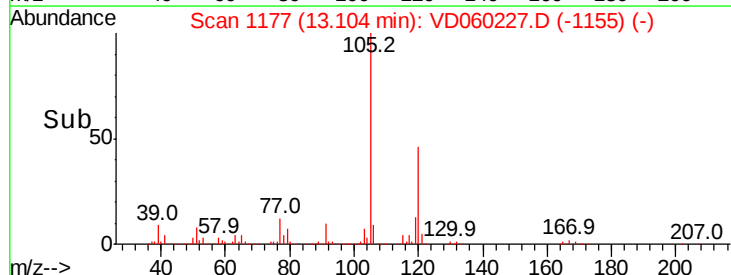
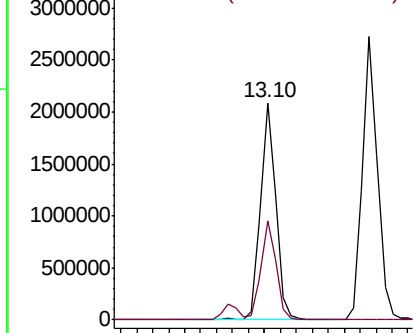


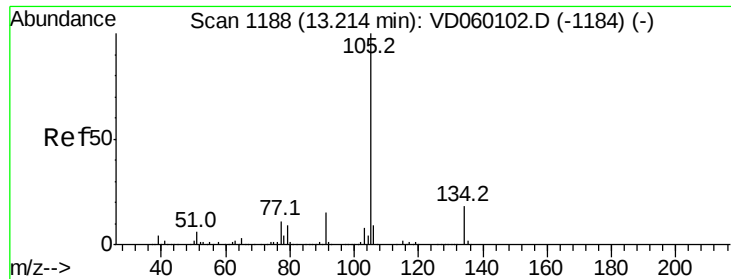
#84
1,2,4-Trimethylbenzene
Concen: 51.416 ug/l
RT: 13.10 min Scan# 1177
Delta R.T. 0.02 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion:105 Resp: 2703763
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.0



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

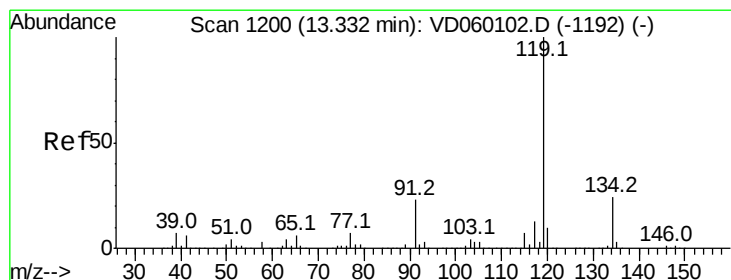
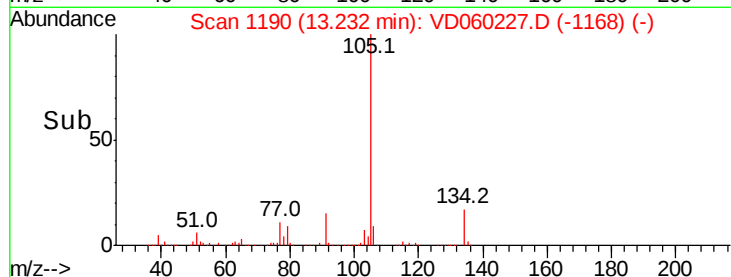
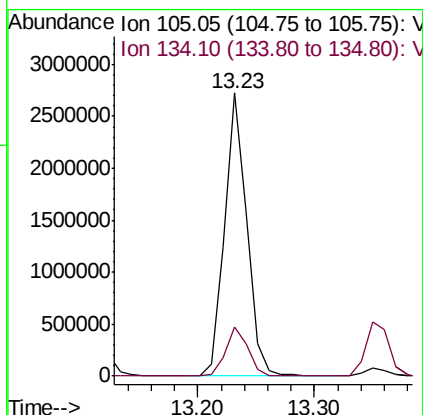
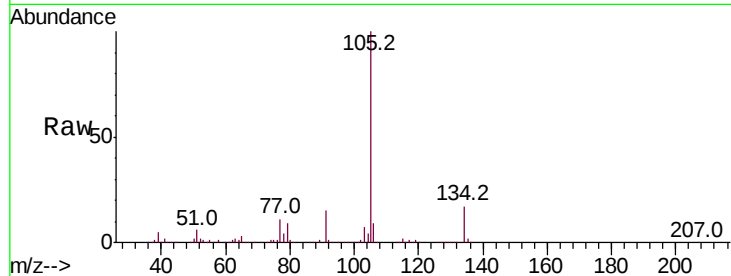




#85
 sec-Butylbenzene
 Concen: 52.648 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.02 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

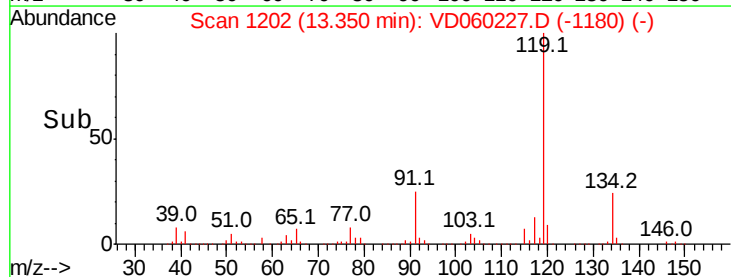
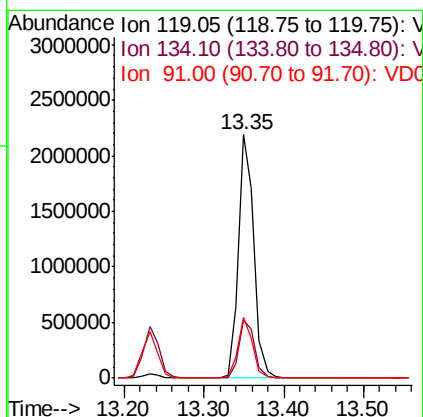
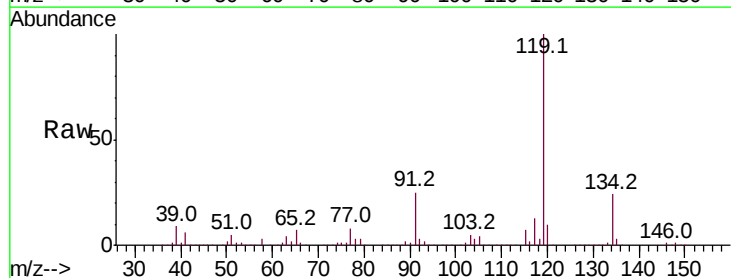
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

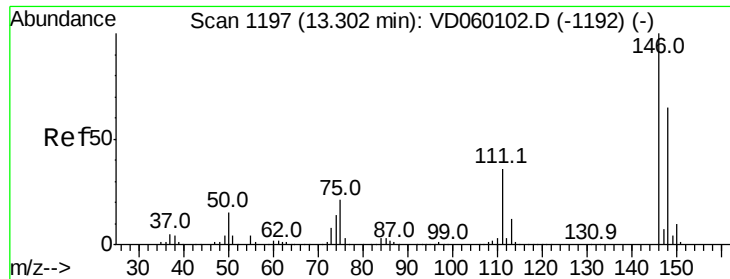
Tot Ion:105 Resp: 3564163
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 53.202 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion:119 Resp: 2954139
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.3 36.8
 91 24.8 11.8 35.4

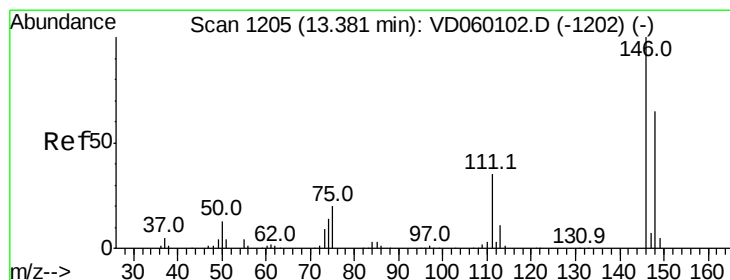
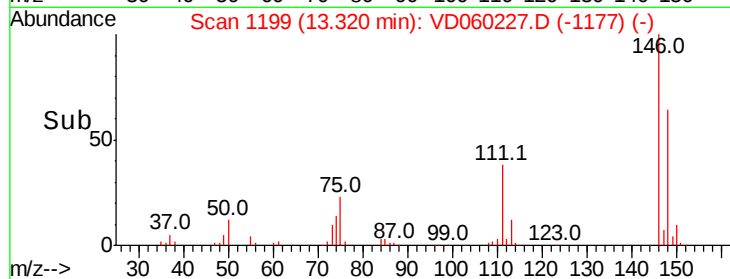
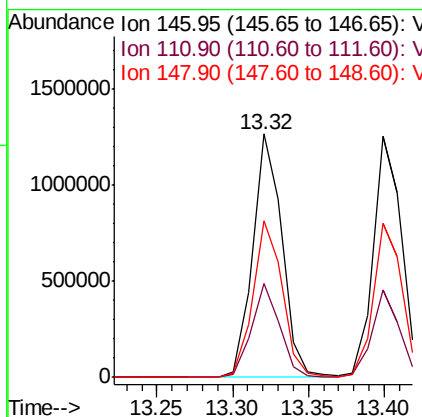
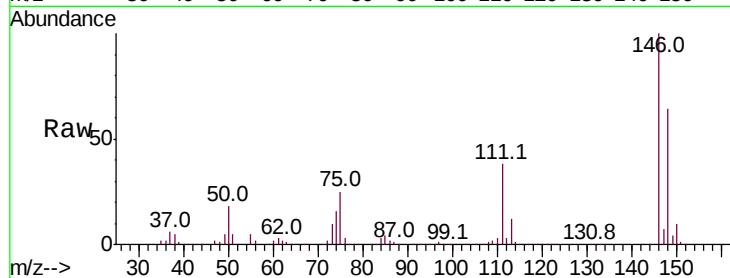




#87
 1,3-Dichlorobenzene
 Concen: 52.580 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.02 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

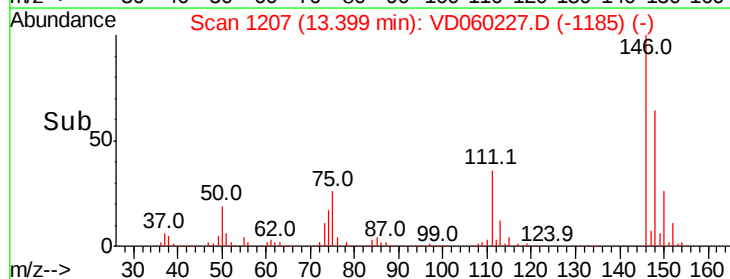
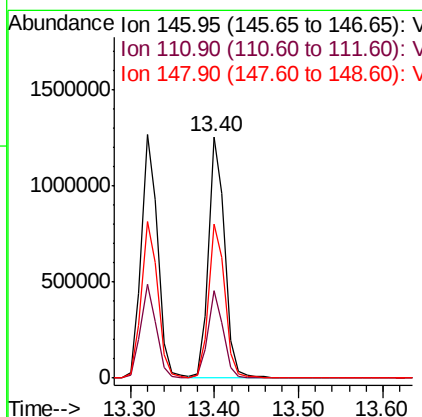
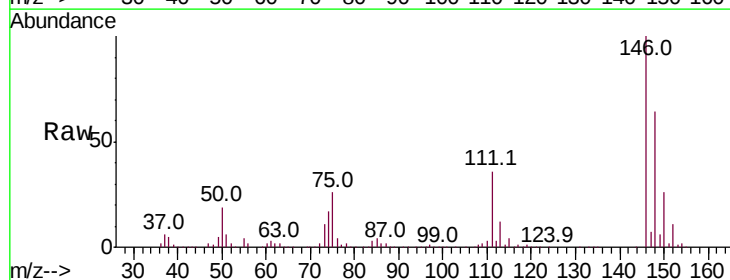
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

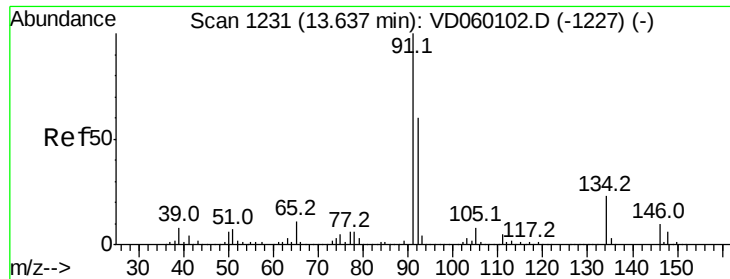
Tot Ion:146 Resp: 1716173
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.3
 148 64.2 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 50.984 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.02 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion:146 Resp: 1671463
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.8 53.3
 148 63.5 32.4 97.2

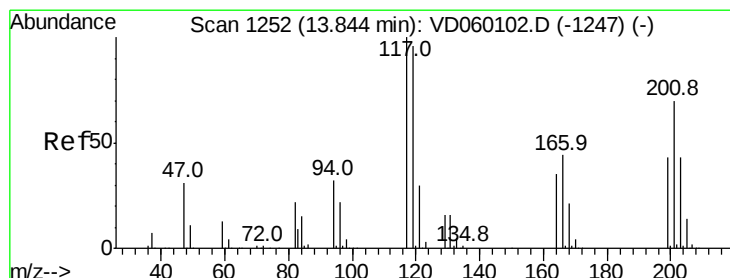
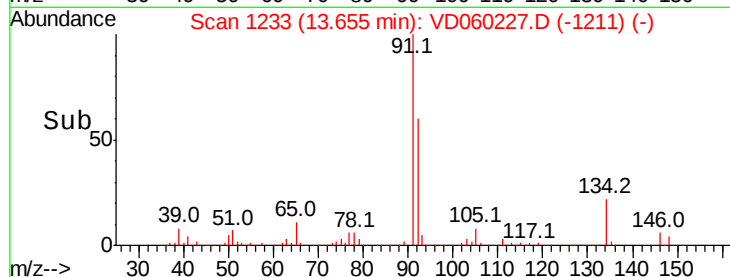
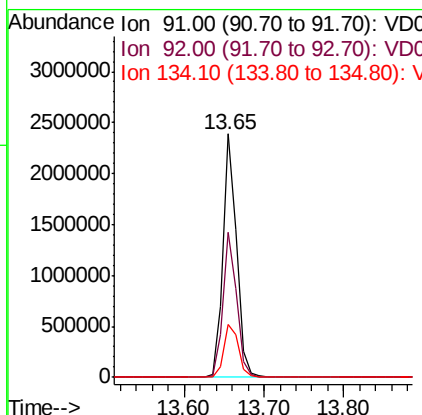
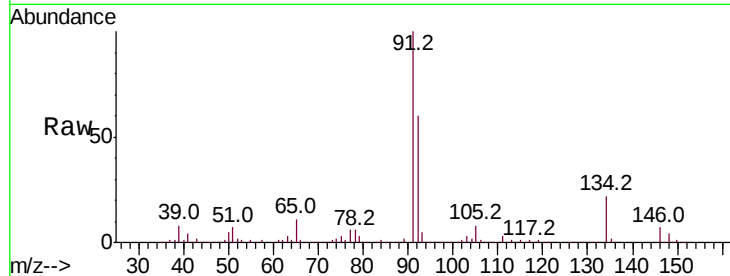




#89
n-Butylbenzene
Concen: 53.759 ug/l
RT: 13.65 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

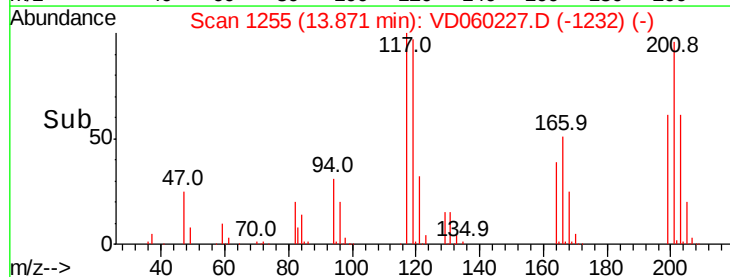
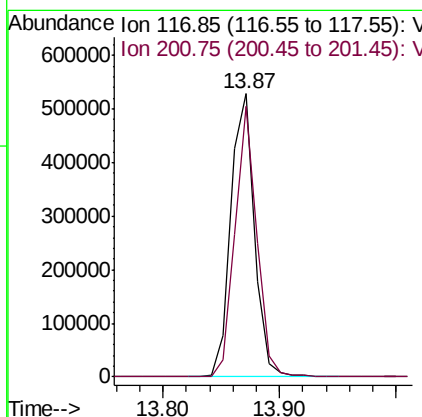
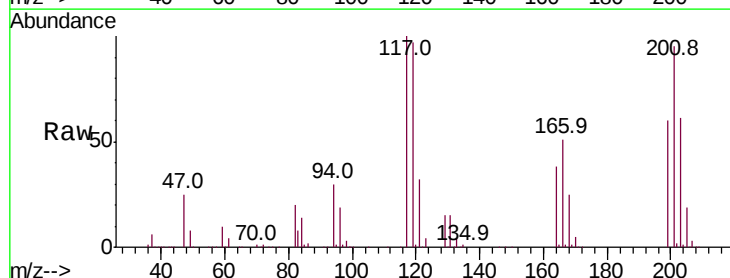
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

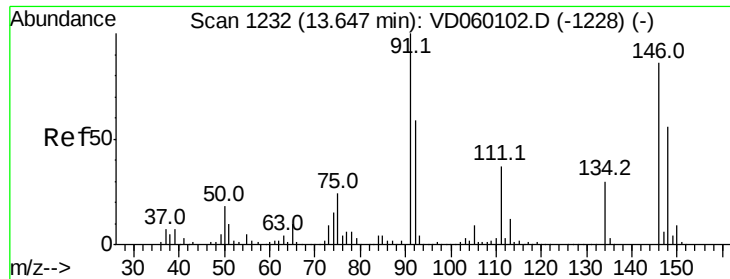
Tot Ion: 91 Resp: 2912669
Ion Ratio Lower Upper
91 100
92 59.6 30.1 90.3
134 21.8 11.6 34.7



#90
Hexachloroethane
Concen: 57.782 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.03 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion: 117 Resp: 742540
Ion Ratio Lower Upper
117 100
201 95.4 34.8 104.5

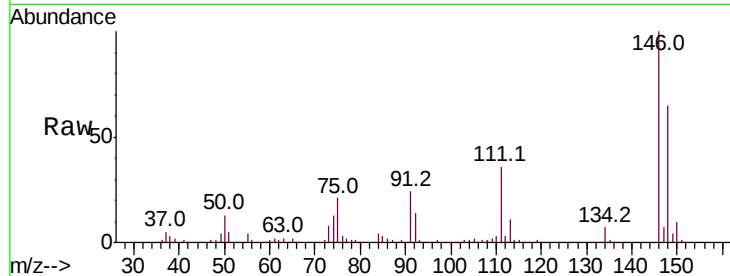




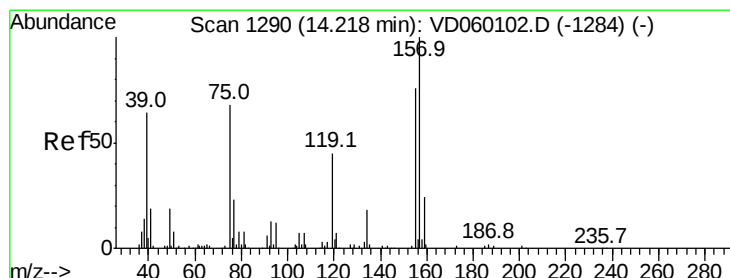
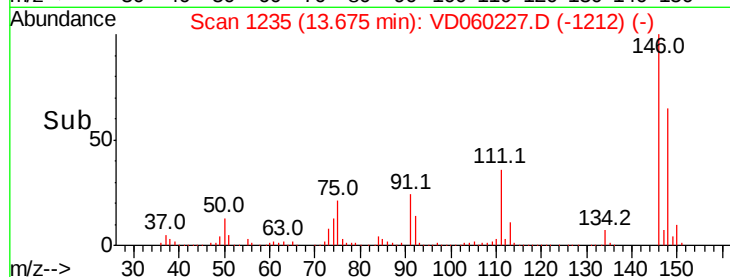
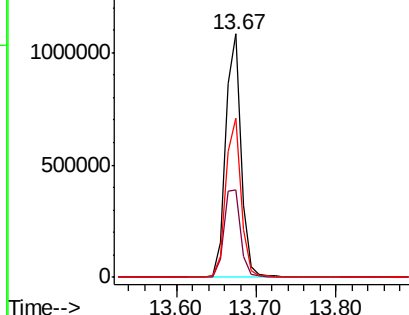
#91
 1,2-Dichlorobenzene
 Concen: 53.787 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.03 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1476120
 Ion Ratio Lower Upper
 146 100
 111 35.9 21.4 64.3
 148 65.1 32.2 96.6

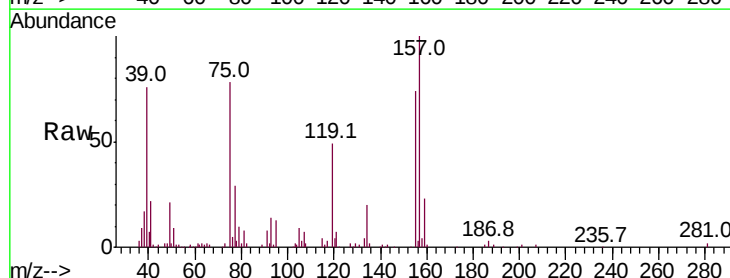


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

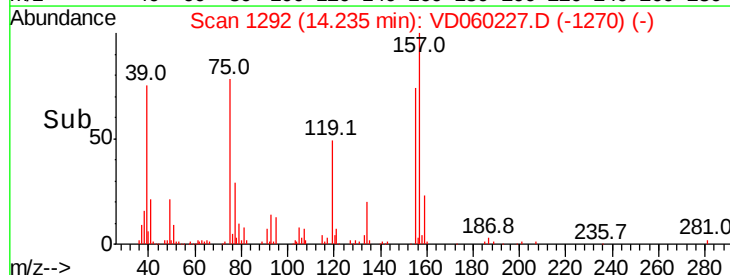
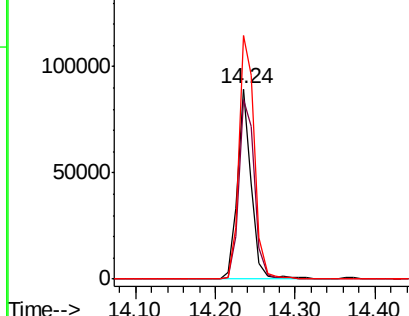


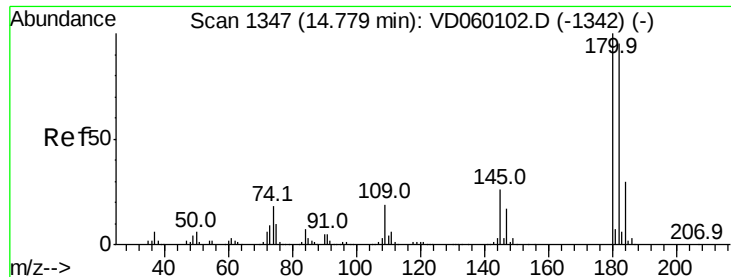
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.726 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.02 min
 Lab File: VD060227.D
 Acq: 29 Oct 2018 13:58

Tgt Ion: 75 Resp: 110358
 Ion Ratio Lower Upper
 75 100
 155 94.2 55.9 167.7
 157 127.9 73.3 219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

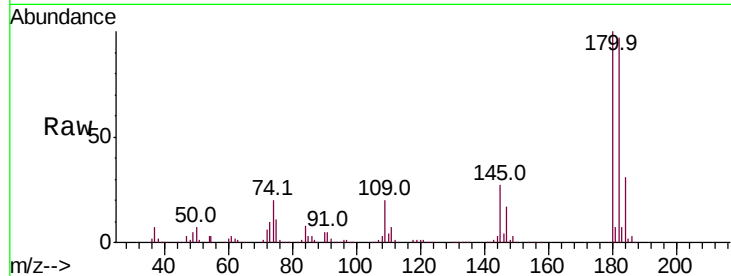




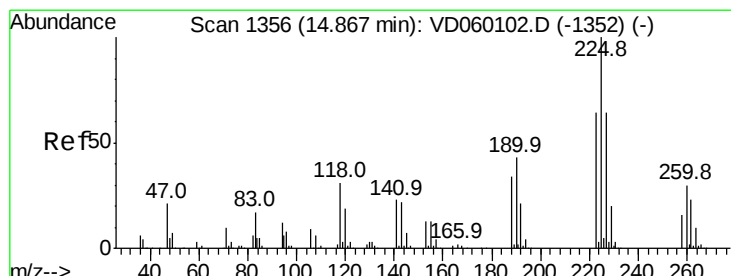
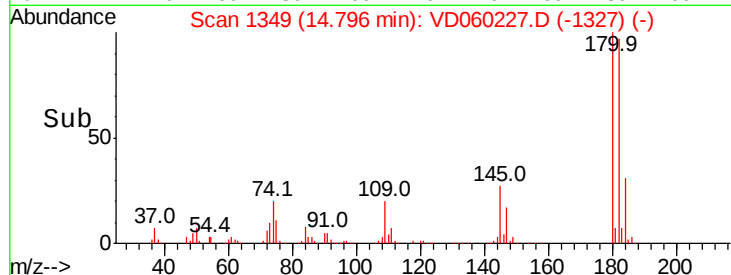
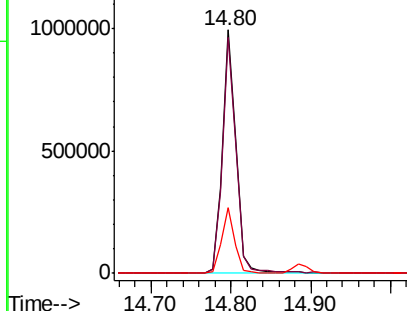
#93
1,2,4-Trichlorobenzene
Concen: 52.155 ug/l
RT: 14.80 min Scan# 1349
Delta R.T. 0.02 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 1214913
Ion Ratio Lower Upper
180 100
182 97.1 47.3 141.8
145 27.2 13.0 38.9

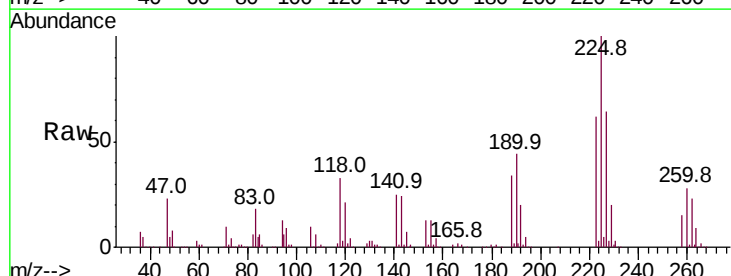


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

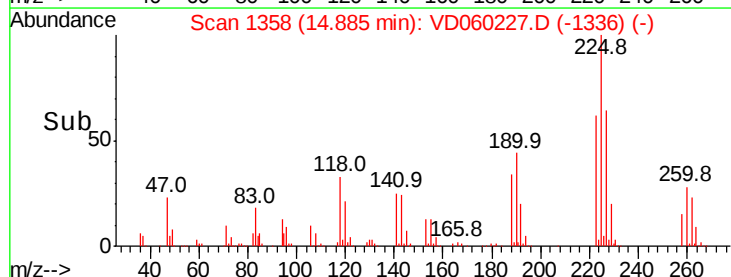
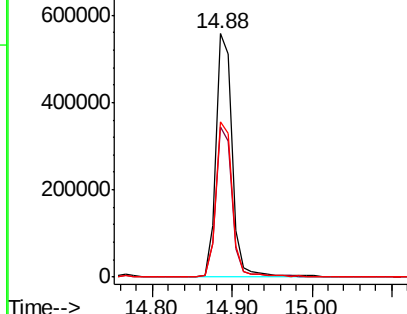


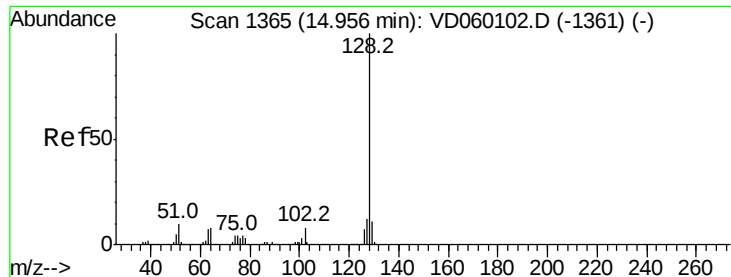
#94
Hexachlorobutadiene
Concen: 52.458 ug/l
RT: 14.88 min Scan# 1358
Delta R.T. 0.02 min
Lab File: VD060227.D
Acq: 29 Oct 2018 13:58

Tgt Ion:225 Resp: 812250
Ion Ratio Lower Upper
225 100
223 61.9 31.8 95.4
227 63.6 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: 53.103 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

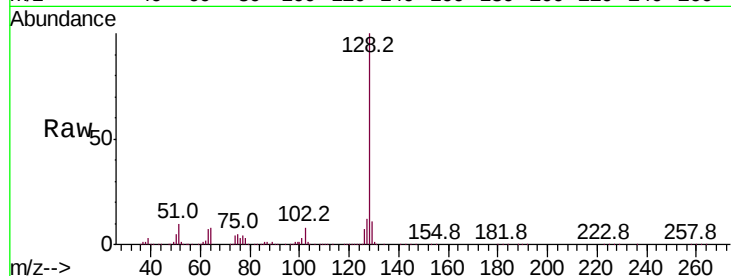
Tot Ion:128 Resp: 1833570

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

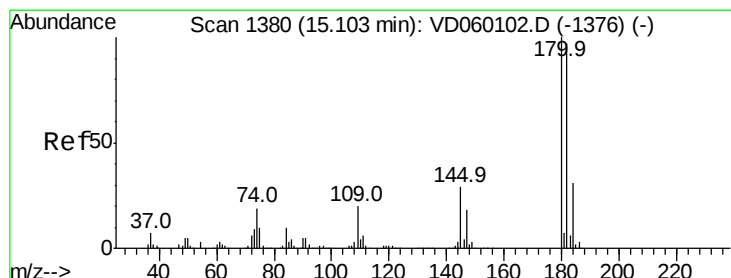
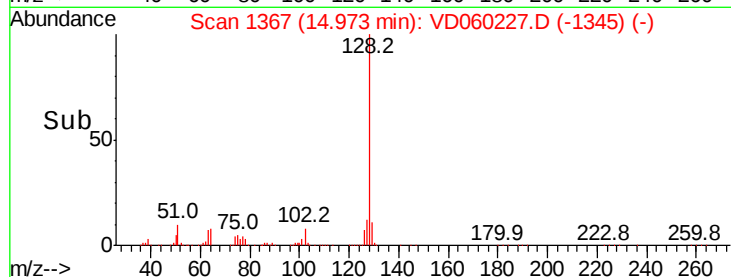
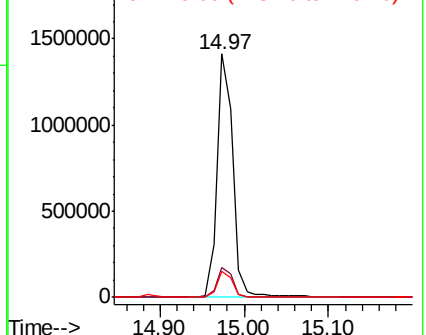
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.422 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. 0.02 min

Lab File: VD060227.D

Acq: 29 Oct 2018 13:58

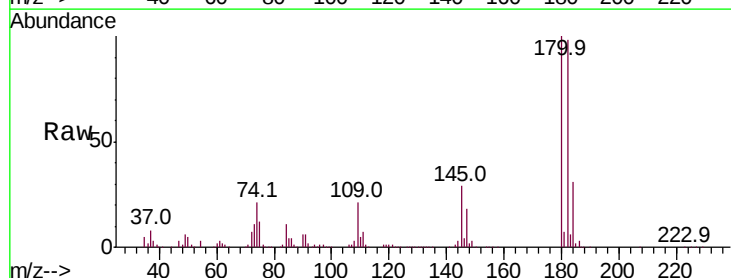
Tgt Ion:180 Resp: 1021741

Ion Ratio Lower Upper

180 100

182 97.9 48.4 145.0

145 29.1 14.5 43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

