

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059648.D
 Acq On : 31 Jul 2018 12:04
 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: Jul 31 12:28:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	168825	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	207872	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	166462	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	90990	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	112984	53.23	ug/l	0.01
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	5.53	113	98555	55.27	ug/l	0.02
Spiked Amount			Recovery	=	110.54%	
50) Toluene-d8	8.69	98	199375	49.29	ug/l	0.01
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.92	95	94704	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	88975	47.518	ug/l	98
3) Chloromethane	1.48	50	48280	45.756	ug/l	97
4) Vinyl Chloride	1.55	62	56886	51.806	ug/l	98
5) Bromomethane	1.78	94	11766	55.852	ug/l	80
6) Chloroethane	1.86	64	32040	99.743	ug/l	100
7) Trichlorofluoromethane	2.07	101	109336	58.365	ug/l	98
8) Diethyl Ether	2.34	74	18536	52.203	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.54	101	53142	53.838	ug/l	96
10) Methyl Iodide	2.68	142	57198	44.849	ug/l	92
11) Tert butyl alcohol	3.24	59	21153	249.822	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	38523	53.842	ug/l	98
13) Acrolein	2.45	56	6290	144.193	ug/l #	81
14) Allyl chloride	2.91	41	84570	48.749	ug/l	95
15) Acrylonitrile	3.34	53	49019	266.938	ug/l	92
16) Acetone	2.59	43	93878	292.888	ug/l	99
17) Carbon Disulfide	2.74	76	122286	43.030	ug/l	98
18) Methyl Acetate	2.92	43	32159	50.173	ug/l	95
19) Methyl tert-butyl Ether	3.39	73	182531	76.114	ug/l	98
20) Methylene Chloride	3.05	84	41557	45.471	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	57614	74.677	ug/l	94
22) Diisopropyl ether	4.05	45	228992	50.198	ug/l	89
23) Vinyl Acetate	4.00	43	738400	255.042	ug/l	100
24) 1,1-Dichloroethane	3.95	63	141971	49.299	ug/l	98
25) 2-Butanone	4.82	43	120348	246.217	ug/l	98
26) 2,2-Dichloropropane	4.78	77	160750	54.505	ug/l	96
27) cis-1,2-Dichloroethene	4.79	96	75330	48.882	ug/l	90
28) Bromochloromethane	5.13	49	56644	49.710	ug/l	93
29) Tetrahydrofuran	5.16	42	54165	239.327	ug/l	99
30) Chloroform	5.31	83	182926	53.109	ug/l	98
31) Cyclohexane	5.57	56	92779	50.233	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	176323	52.877	ug/l	99
36) 1,1-Dichloropropene	5.73	75	115148	55.203	ug/l	97
37) Ethyl Acetate	4.90	43	61649	57.455	ug/l	99
38) Carbon Tetrachloride	5.71	117	160801	56.297	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	98397	51.298	ug/l	99
40) Benzene	6.00	78	218074	50.981	ug/l	100
41) Methacrylonitrile	5.10	41	27679	51.691	ug/l	95
42) 1,2-Dichloroethane	6.10	62	150512	58.401	ug/l	98
43) Isopropyl Acetate	7.60	43	79669	53.545	ug/l	100
44) Trichloroethene	6.96	130	82171	52.962	ug/l	100
45) 1,2-Dichloropropane	7.33	63	62647	52.297	ug/l	94
46) Dibromomethane	7.44	93	53761	53.096	ug/l	98
47) Bromodichloromethane	7.73	83	137557	56.881	ug/l	99
48) Methyl methacrylate	7.49	41	58585	59.372	ug/l	93
49) 1,4-Dioxane	7.48	88	9522	1030.904	ug/l #	84
51) 4-Methyl-2-Pentanone	8.58	43	261090	262.777	ug/l	99
52) Toluene	8.79	92	143752	50.681	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	121604	55.751	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	115594	53.367	ug/l	95
55) 1,1,2-Trichloroethane	9.44	97	54965	51.581	ug/l	95
56) Ethyl methacrylate	9.30	69	66524	55.024	ug/l	94
57) 1,3-Dichloropropane	9.66	76	91728	54.174	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	160784	283.029	ug/l	100
59) 2-Hexanone	9.77	43	202626	256.750	ug/l	96
60) Dibromochloromethane	9.94	129	96505	54.552	ug/l	97
61) 1,2-Dibromoethane	10.08	107	67951	53.810	ug/l	100
64) Tetrachloroethene	9.50	164	78228	51.859	ug/l	96
65) Chlorobenzene	10.71	112	173163	50.746	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.84	131	82492	55.576	ug/l	97
67) Ethyl Benzene	10.85	91	317891	54.193	ug/l	97
68) m/p-Xylenes	11.00	106	205518	104.906	ug/l	92
69) o-Xylene	11.40	106	100940	53.099	ug/l	95
70) Styrene	11.43	104	170994	54.251	ug/l	100
71) Bromoform	11.59	173	66895	55.347	ug/l	98
73) Isopropylbenzene	11.76	105	314841	48.980	ug/l	100
74) N-amyl acetate	11.63	43	107527	48.823	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	62990	47.998	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	73374	48.763	ug/l	97
77) Bromobenzene	12.04	156	93830	49.865	ug/l	83
78) n-propylbenzene	12.14	91	377244	48.302	ug/l	95
79) 2-Chlorotoluene	12.20	91	232573	49.947	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	259169	51.067	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	19414	50.464	ug/l	94
82) 4-Chlorotoluene	12.32	91	267146	50.731	ug/l	96
83) tert-Butylbenzene	12.57	119	287932	50.395	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	275651	51.095	ug/l	97
85) sec-Butylbenzene	12.75	105	320676	49.116	ug/l	99
86) p-Isopropyltoluene	12.88	119	280606	50.997	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	158164	49.698	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	152549	49.754	ug/l	99
89) n-Butylbenzene	13.19	91	275110	51.786	ug/l	99
90) Hexachloroethane	13.39	117	74789	50.866	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	128174	48.000	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	14753	55.761	ug/l	96

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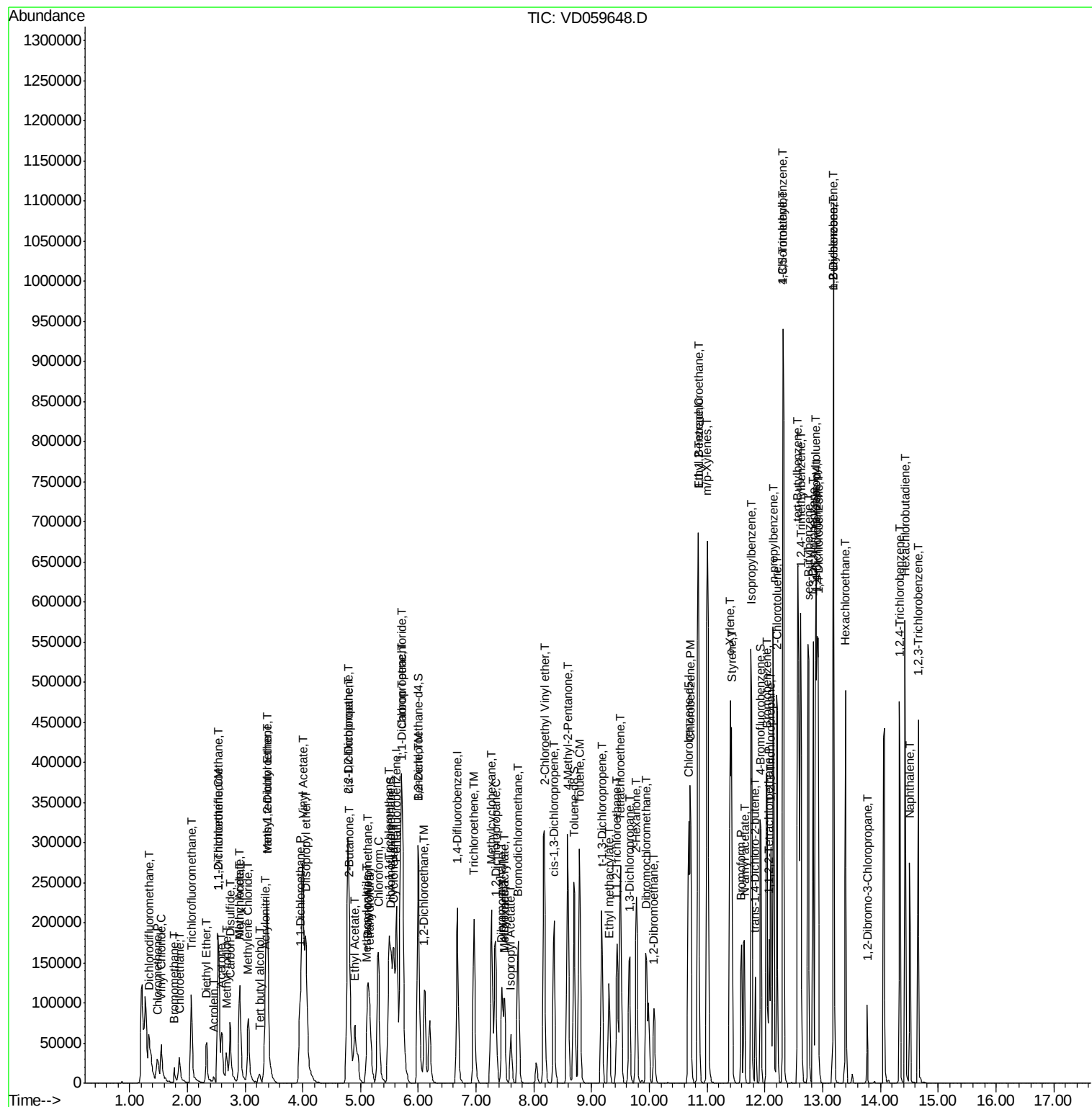
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	113259	51.219	ug/l	100
94) Hexachlorobutadiene	14.43	225	90747	52.025	ug/l	99
95) Naphthalene	14.51	128	154068	48.990	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	99922	49.937	ug/l	98

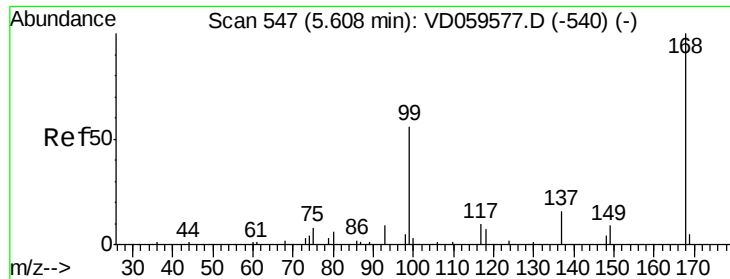
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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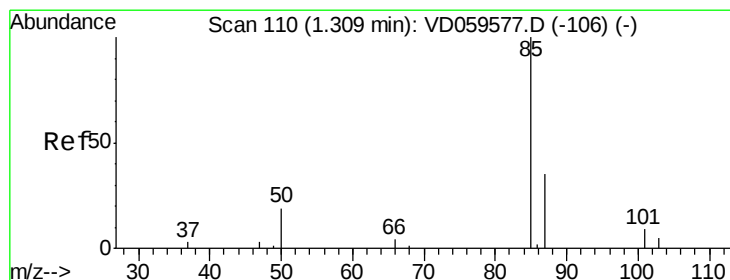
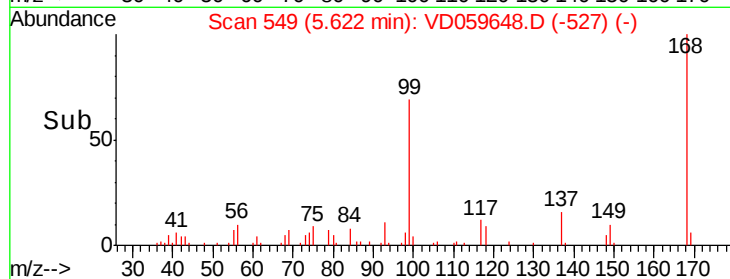
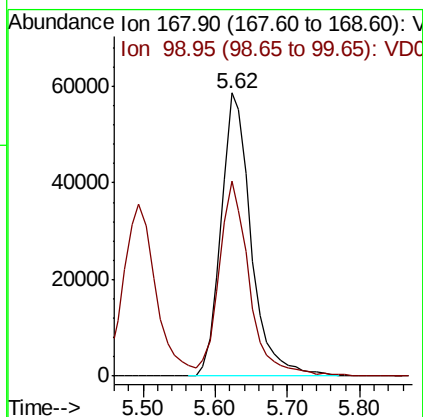
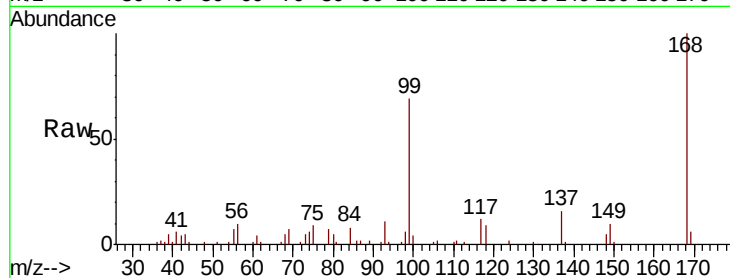




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.01 min
Lab File: VD059648.D
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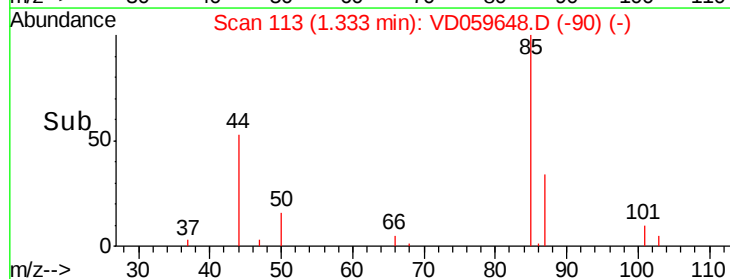
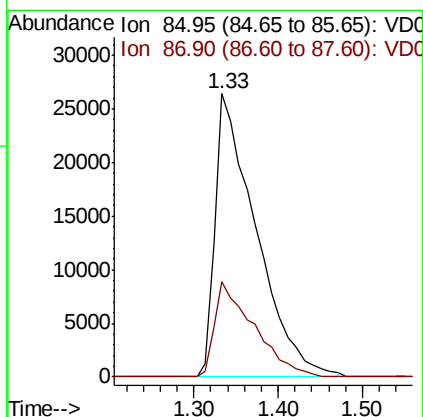
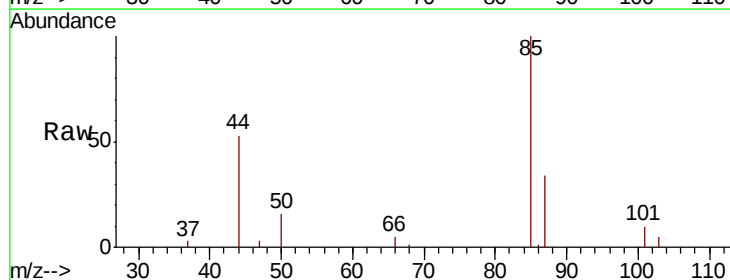
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

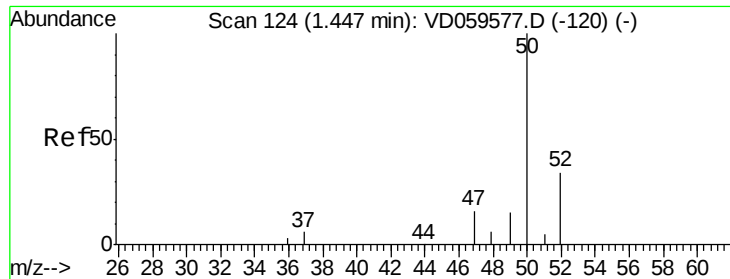
Tot Ion:168 Resp: 168825
Ion Ratio Lower Upper
168 100
99 68.7 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 47.518 ug/l
RT: 1.33 min Scan# 113
Delta R.T. 0.03 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 85 Resp: 88975
Ion Ratio Lower Upper
85 100
87 33.6 17.3 51.7





#3

Chloromethane

Concen: 45.756 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

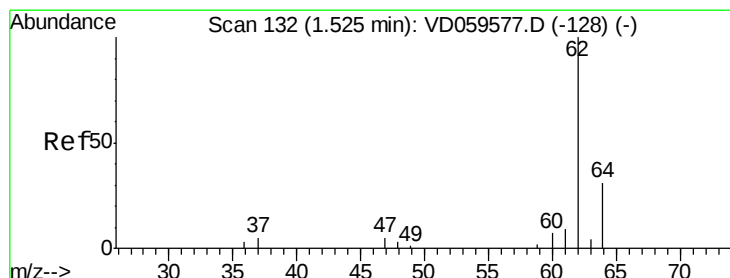
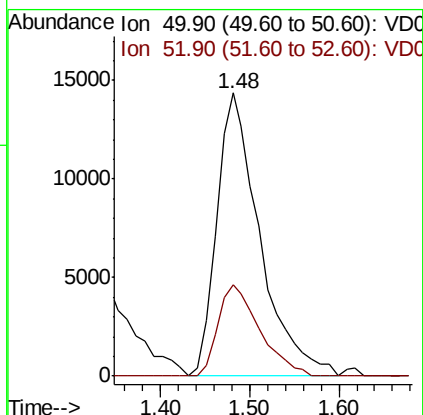
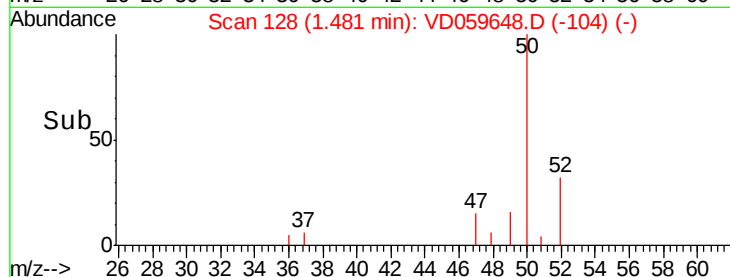
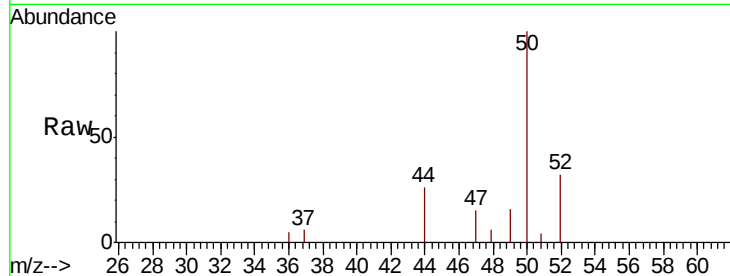
VSTDCCC050

Tot Ion: 50 Resp: 48280

Ion Ratio Lower Upper

50 100

52 32.2 27.3 40.9



#4

Vinyl Chloride

Concen: 51.806 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.02 min

Lab File: VD059648.D

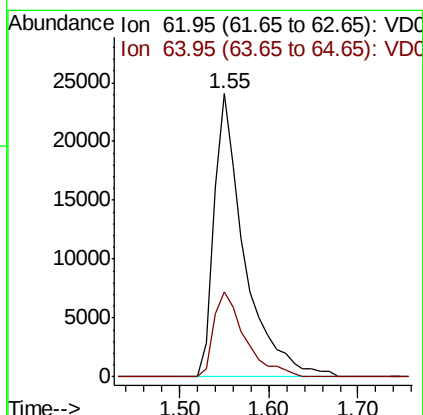
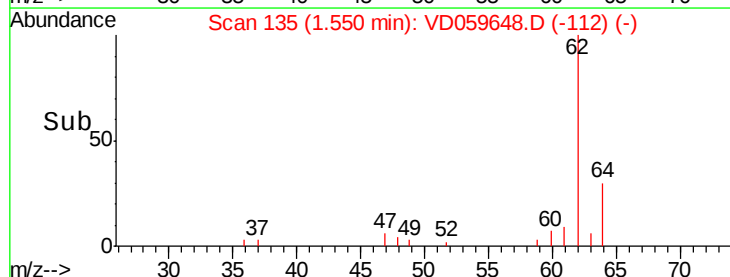
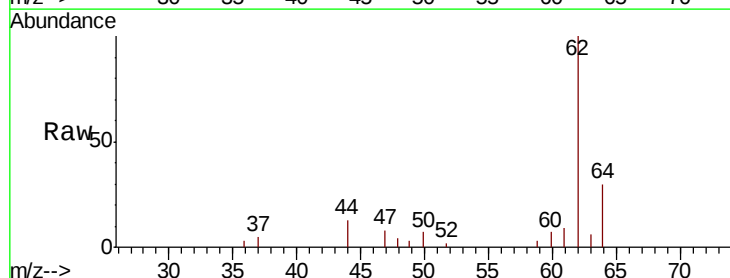
Acq: 31 Jul 2018 12:04

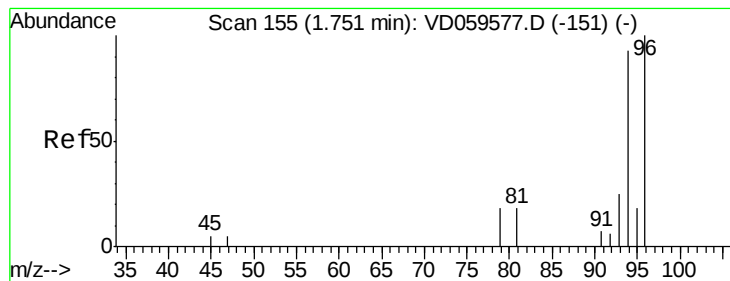
Tgt Ion: 62 Resp: 56886

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.4





#5

Bromomethane

Concen: 55.852 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

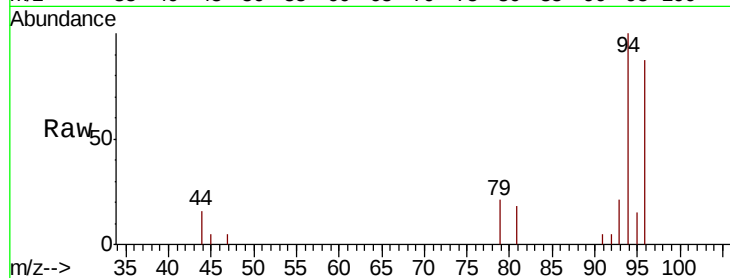
VSTDCCC050

Tot Ion: 94 Resp: 11766

Ion Ratio Lower Upper

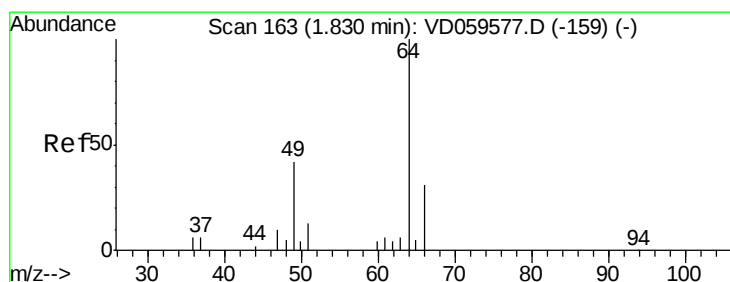
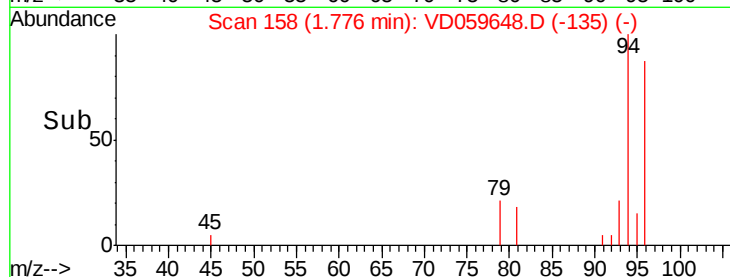
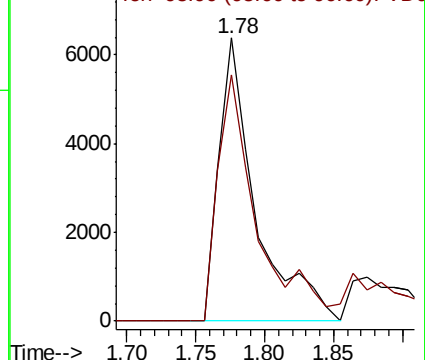
94 100

96 87.2 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 99.743 ug/l

RT: 1.86 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD059648.D

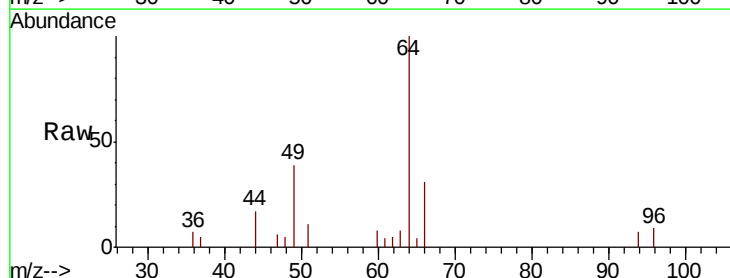
Acq: 31 Jul 2018 12:04

Tgt Ion: 64 Resp: 32040

Ion Ratio Lower Upper

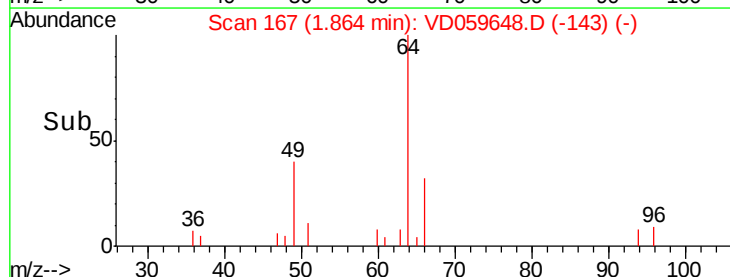
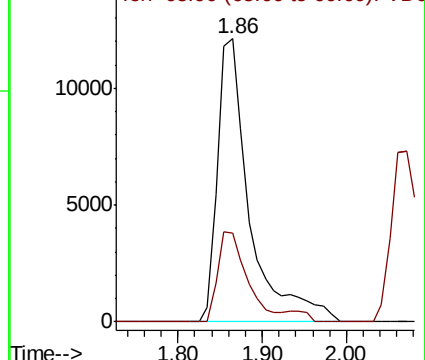
64 100

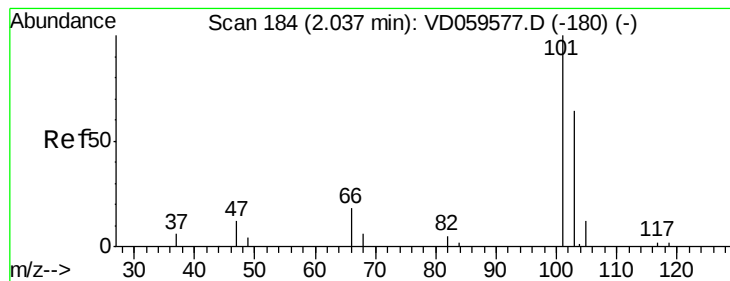
66 31.5 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



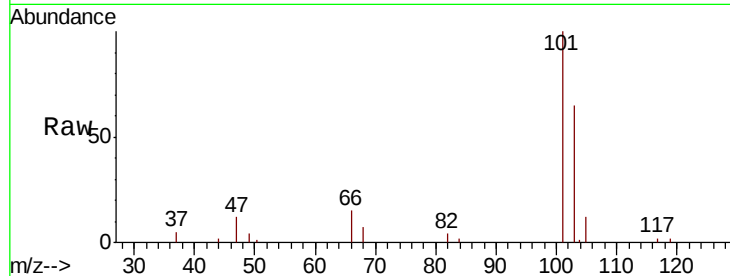


#7

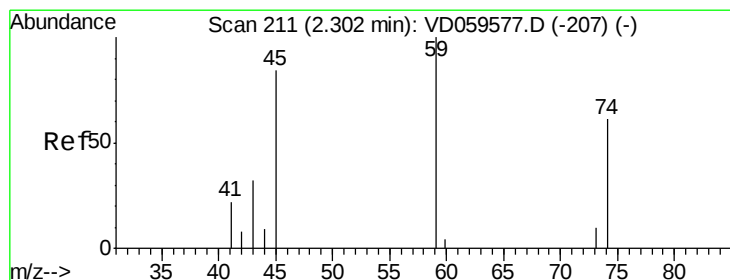
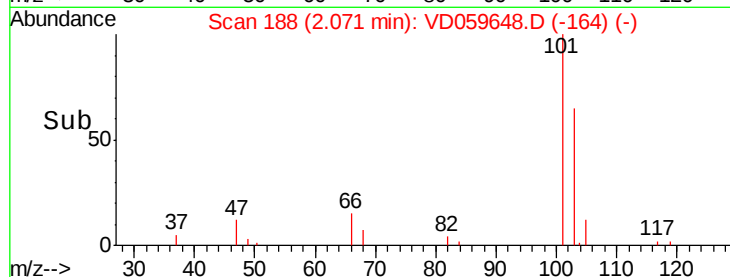
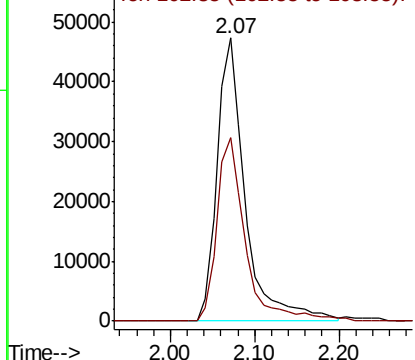
Trichlorofluoromethane
Concen: 58.365 ug/l
RT: 2.07 min Scan# 188
Delta R.T. 0.03 min
Lab File: VD059648.D
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Tot Ion:101 Resp: 109336
Ion Ratio Lower Upper
101 100
103 64.9 50.9 76.3



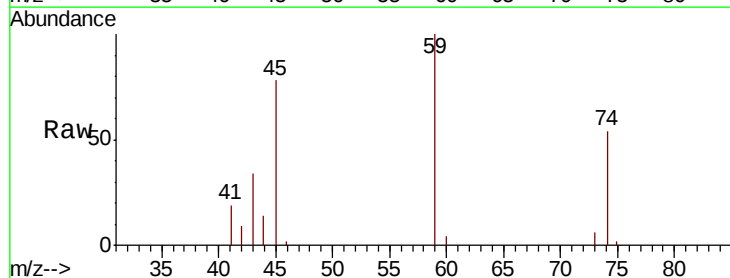
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



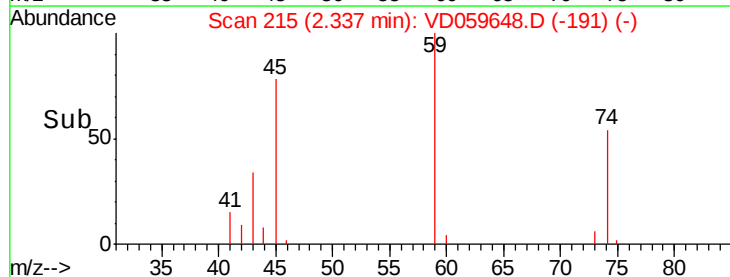
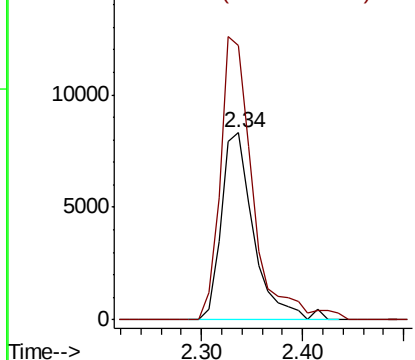
#8

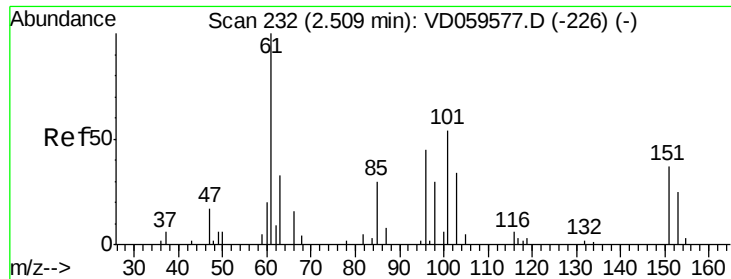
Diethyl Ether
Concen: 52.203 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.03 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 74 Resp: 18536
Ion Ratio Lower Upper
74 100
45 146.6 69.0 207.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.838 ug/l

RT: 2.54 min Scan# 236

Delta R.T. 0.03 min

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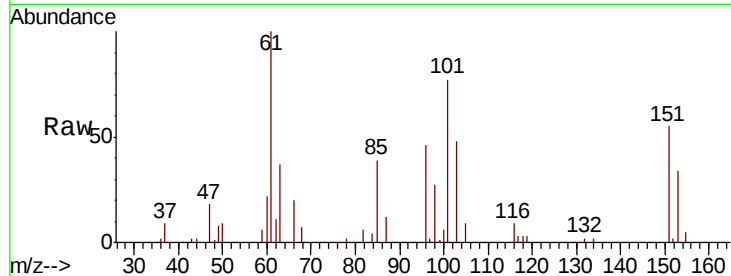
Tot Ion:101 Resp: 53142

Ion Ratio Lower Upper

101 100

85 50.7 44.5 66.7

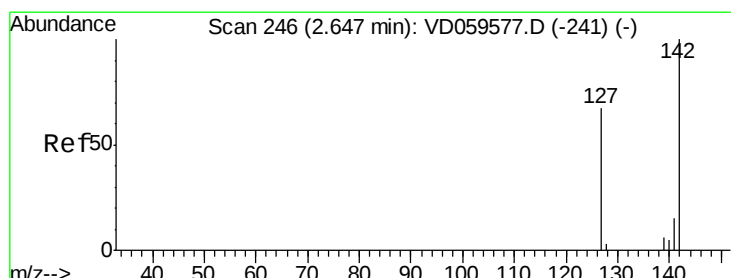
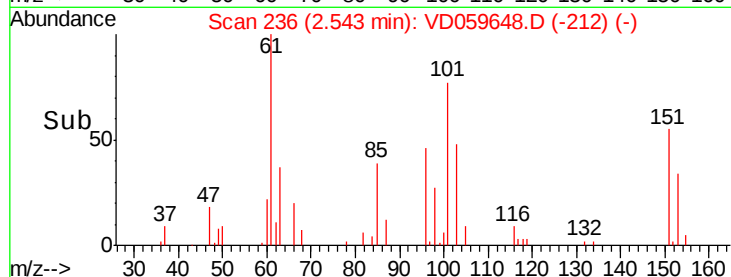
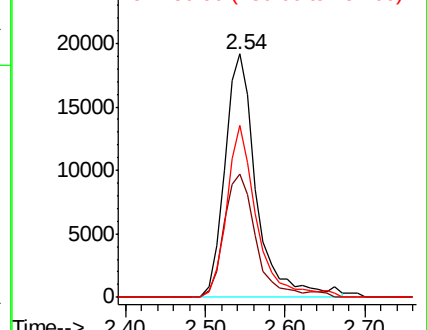
151 70.5 55.4 83.0



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: 44.849 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

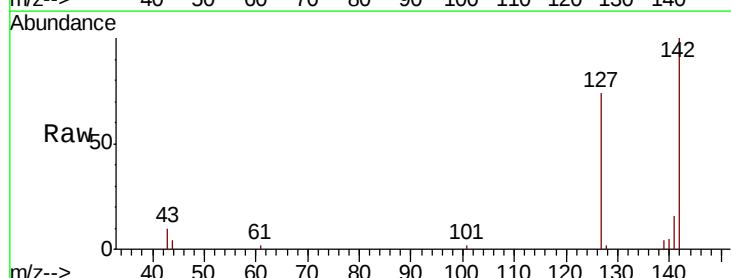
Tgt Ion:142 Resp: 57198

Ion Ratio Lower Upper

142 100

127 74.1 53.6 80.4

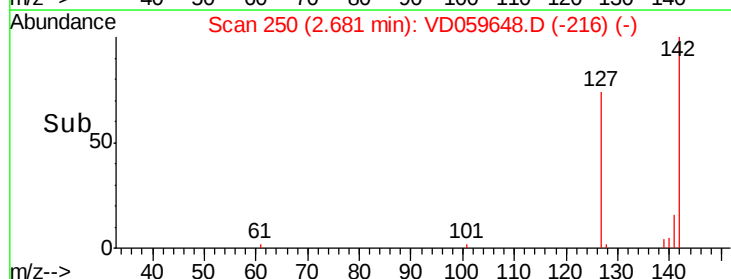
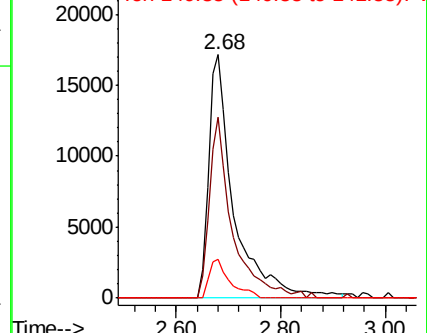
141 15.8 12.2 18.2

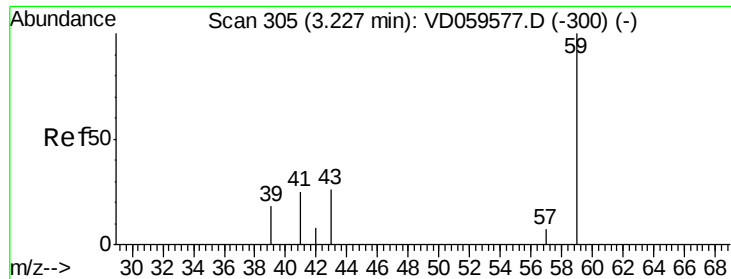


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

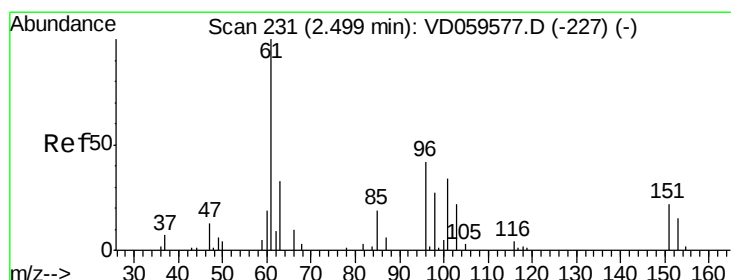
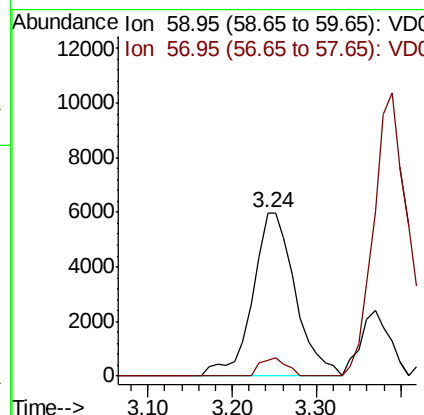
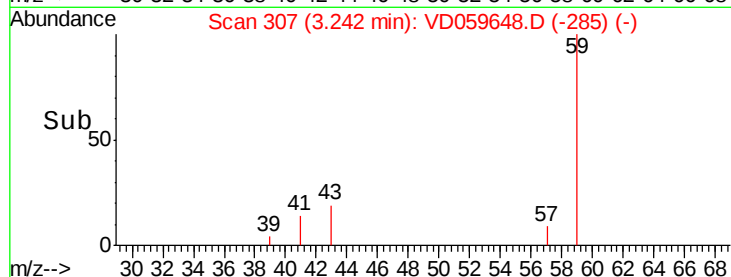
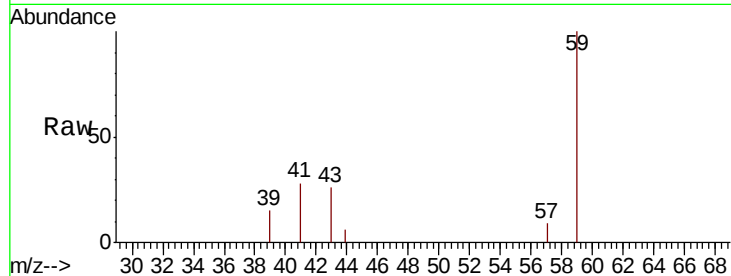




#11
Tert butyl alcohol
Concen: 249.822 ug/l
RT: 3.24 min Scan# 307
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

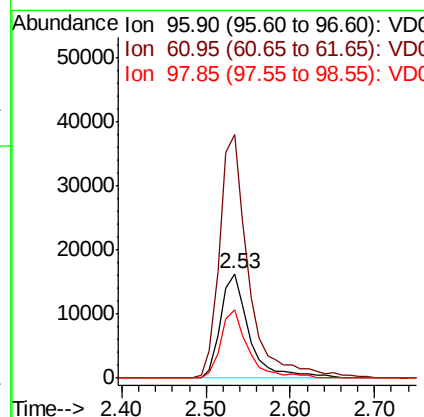
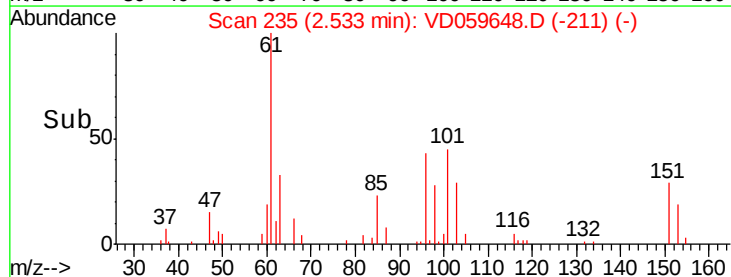
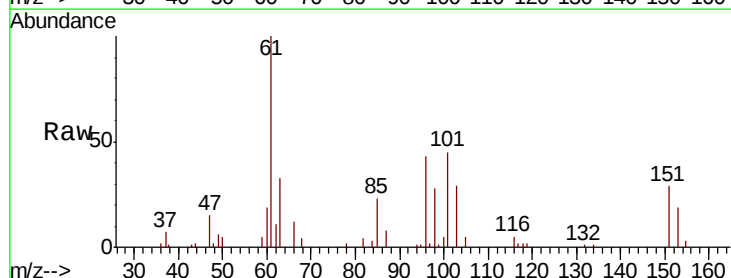
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

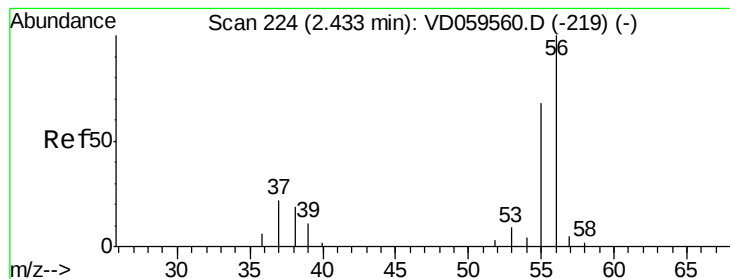
Tot Ion: 59 Resp: 21153
Ion Ratio Lower Upper
59 100
57 9.4 5.5 8.3#



#12
1,1-Dichloroethene
Concen: 53.842 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.03 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 96 Resp: 38523
Ion Ratio Lower Upper
96 100
61 233.4 188.8 283.2
98 65.4 51.4 77.2





#13

Acrolein

Concen: 144.193 ug/l

RT: 2.45 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

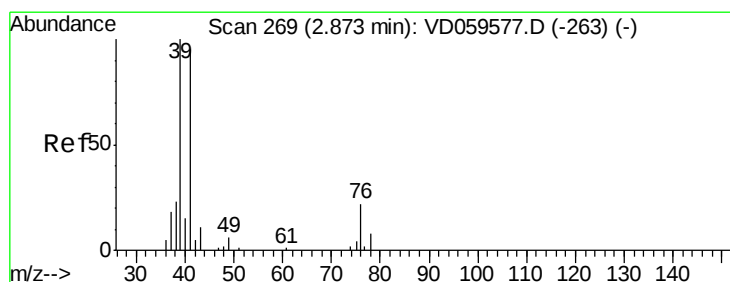
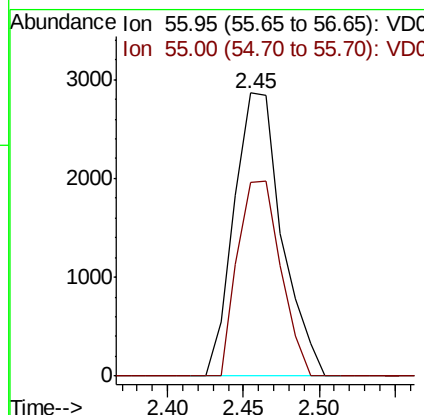
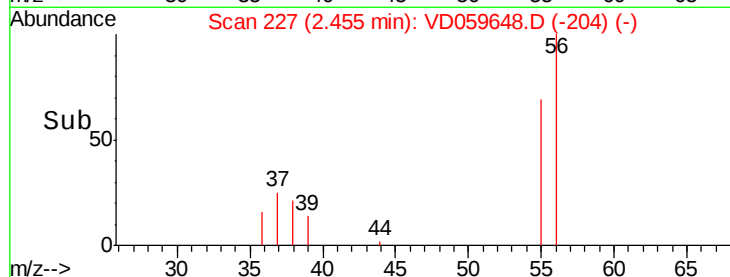
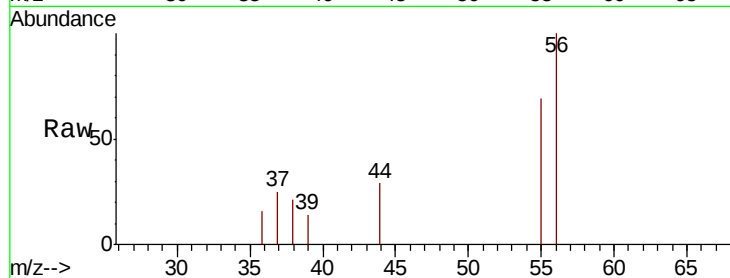
VSTDCCC050

Tot Ion: 56 Resp: 6290

Ion Ratio Lower Upper

56 100

55 68.6 69.1 103.7#



#14

Allyl chloride

Concen: 48.749 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

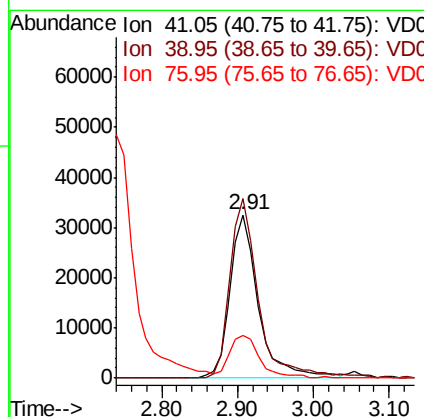
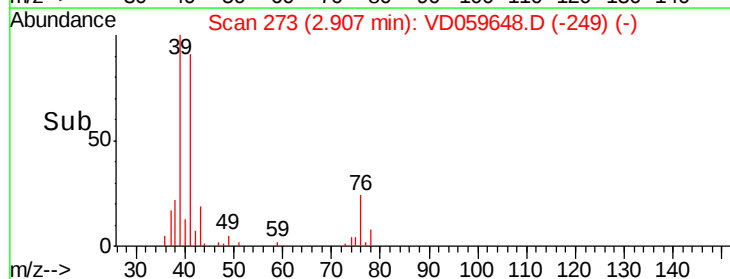
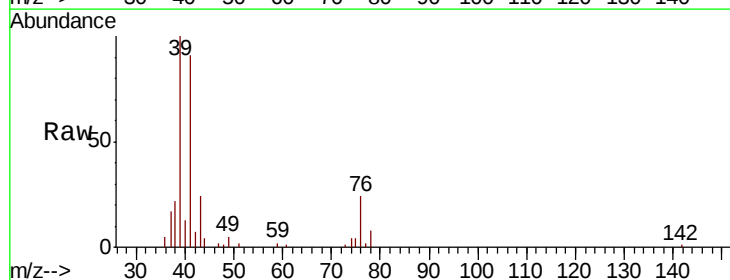
Tgt Ion: 41 Resp: 84570

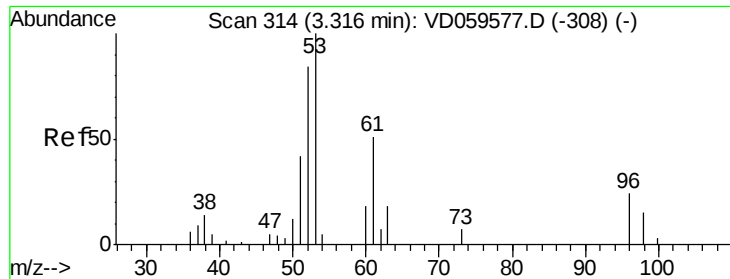
Ion Ratio Lower Upper

41 100

39 110.2 83.8 125.8

76 26.1 22.2 33.4





#15

Acrylonitrile

Concen: 266.938 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

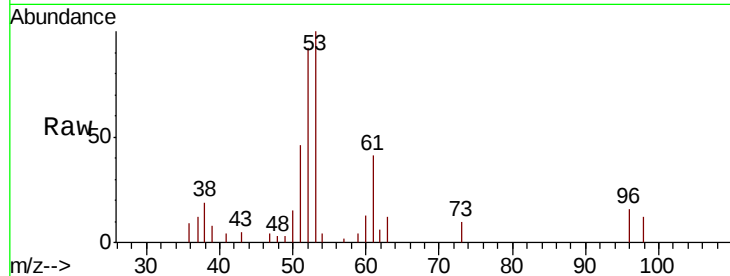
Tot Ion: 53 Resp: 49019

Ion Ratio Lower Upper

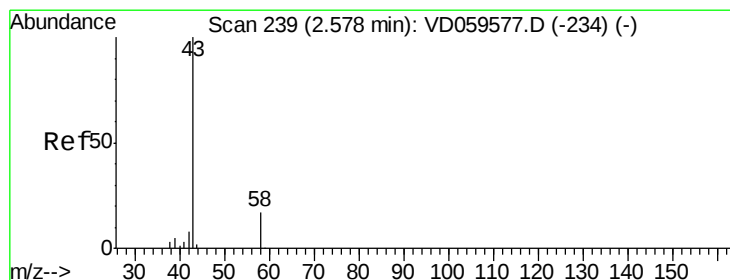
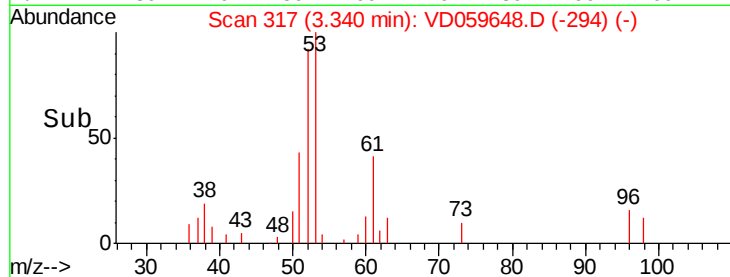
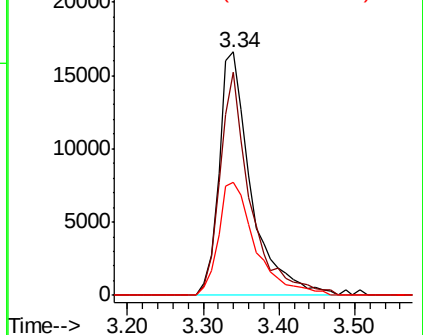
53 100

52 91.9 67.6 101.4

51 46.2 33.7 50.5



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: 292.888 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059648.D

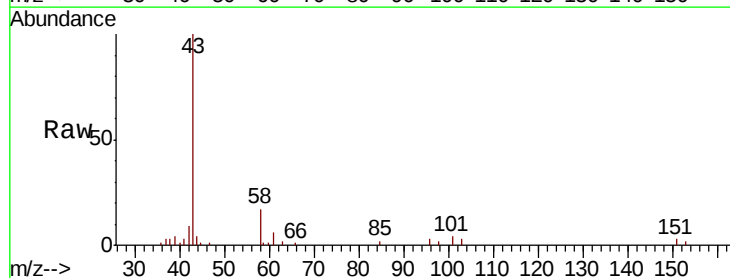
Acq: 31 Jul 2018 12:04

Tgt Ion: 43 Resp: 93878

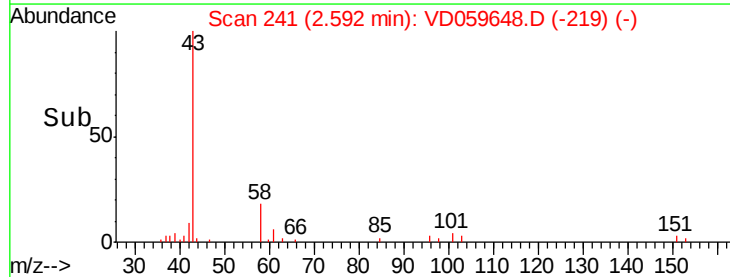
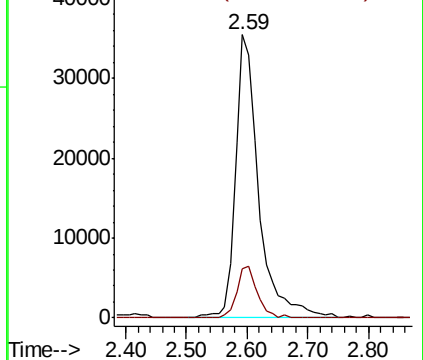
Ion Ratio Lower Upper

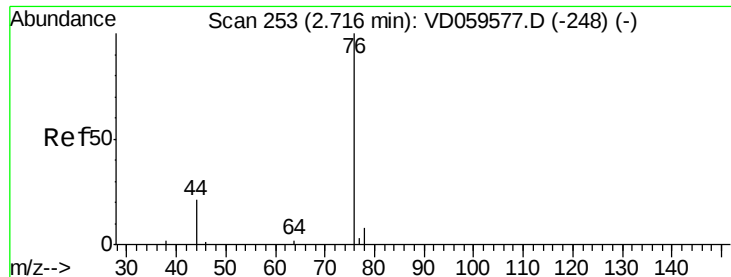
43 100

58 17.3 13.4 20.0



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

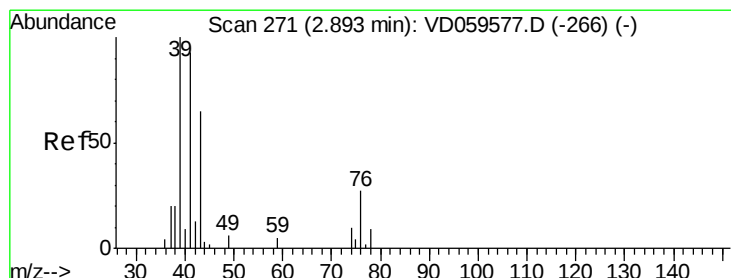
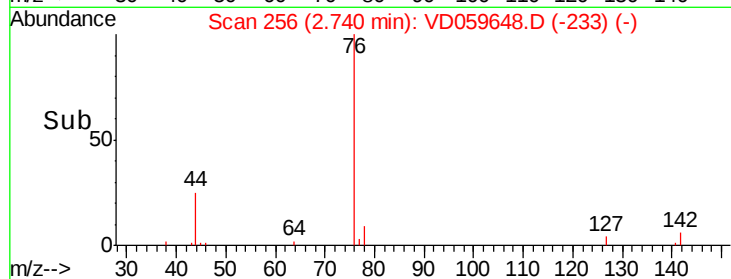
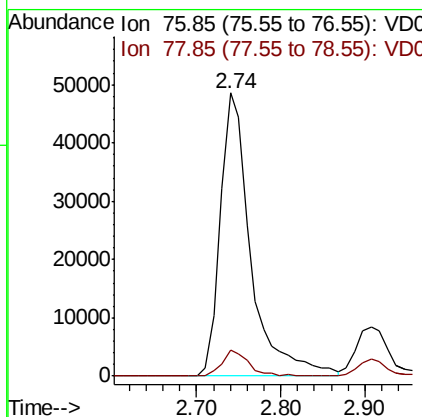
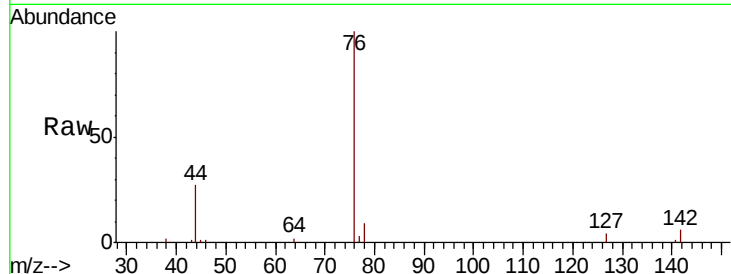




#17
Carbon Disulfide
Concen: 43.030 ug/l
RT: 2.74 min Scan# 256
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

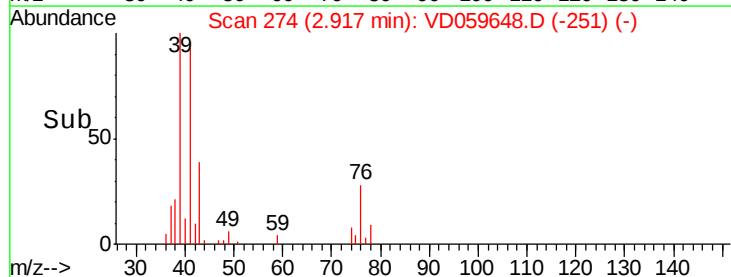
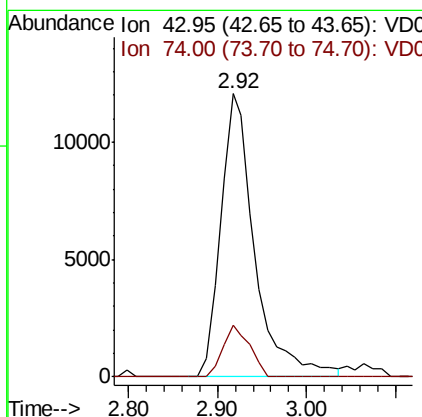
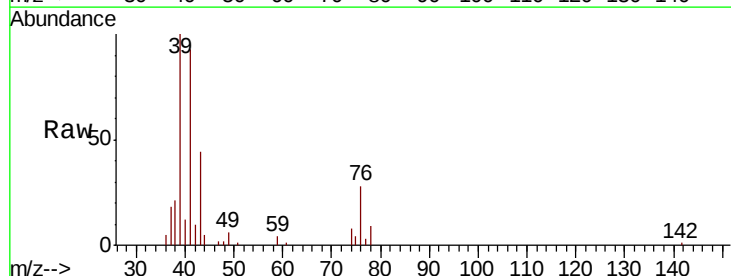
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

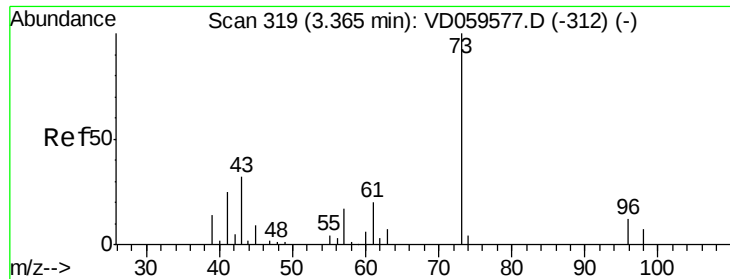
Tot Ion: 76 Resp: 122286
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 50.173 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 43 Resp: 32159
Ion Ratio Lower Upper
43 100
74 18.2 13.0 19.4



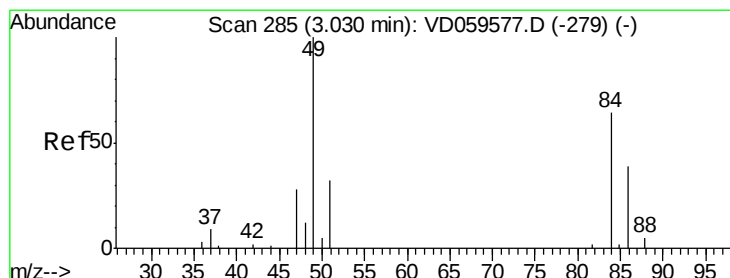
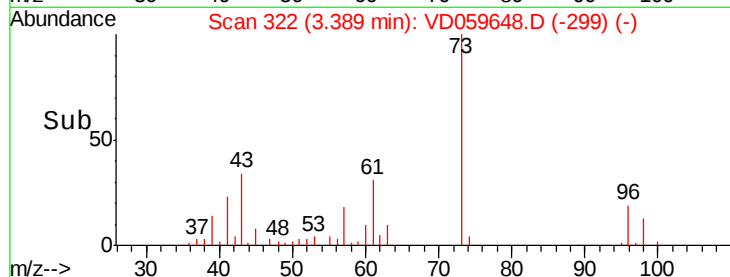
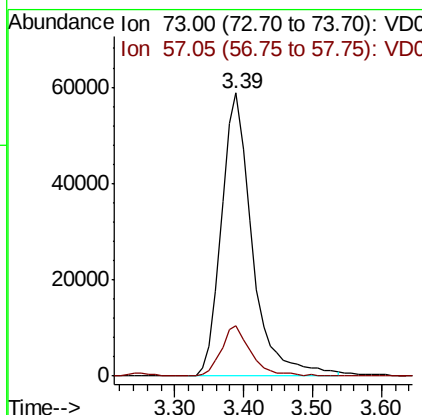
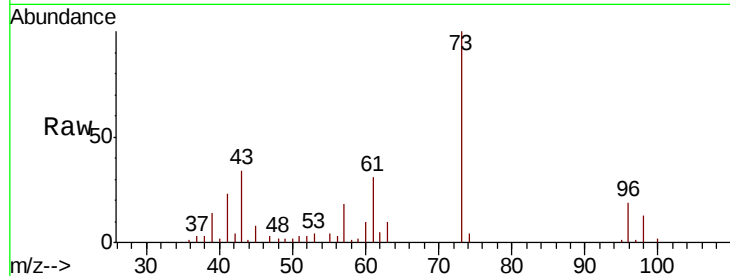


#19

Methyl tert-butyl Ether
 Concen: 76.114 ug/l
 RT: 3.39 min Scan# 322
 Delta R.T. 0.02 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

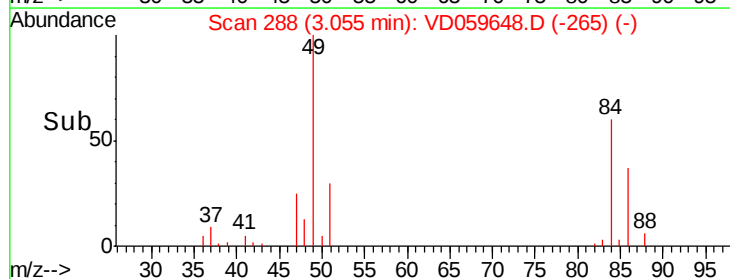
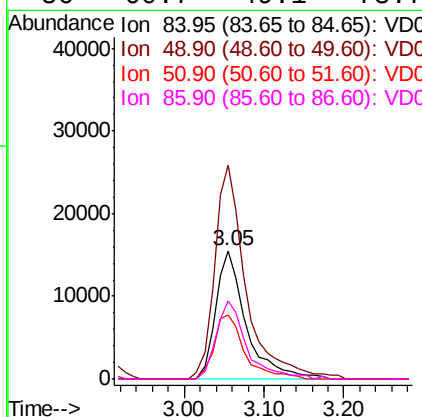
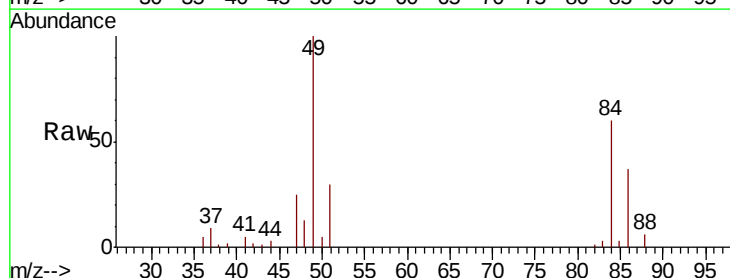
Tot Ion: 73 Resp: 182531
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.4 20.2

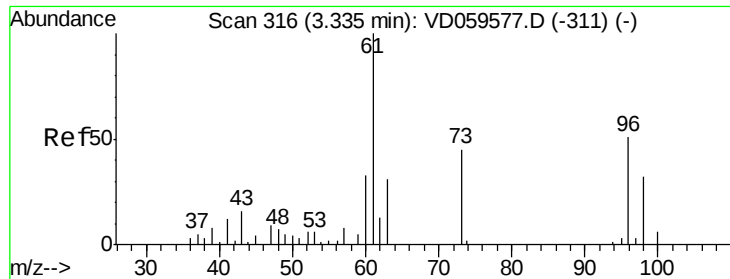


#20

Methylene Chloride
 Concen: 45.471 ug/l
 RT: 3.05 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion: 84 Resp: 41557
 Ion Ratio Lower Upper
 84 100
 49 166.3 125.4 188.2
 51 49.4 39.7 59.5
 86 60.7 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 74.677 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

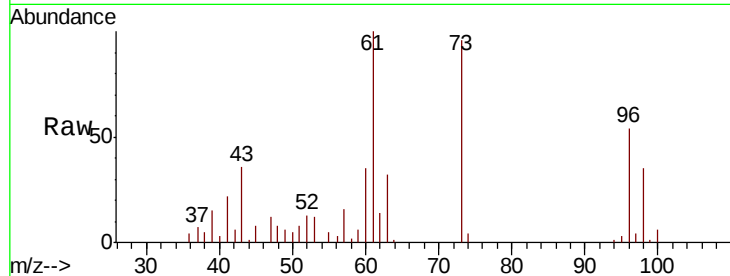
Tot Ion: 96 Resp: 57614

Ion Ratio Lower Upper

96 100

61 185.9 155.8 233.6

98 65.3 49.1 73.7

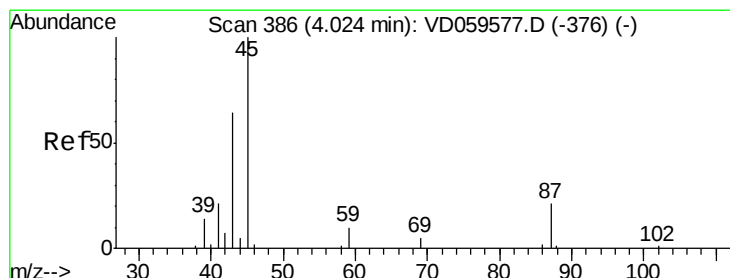
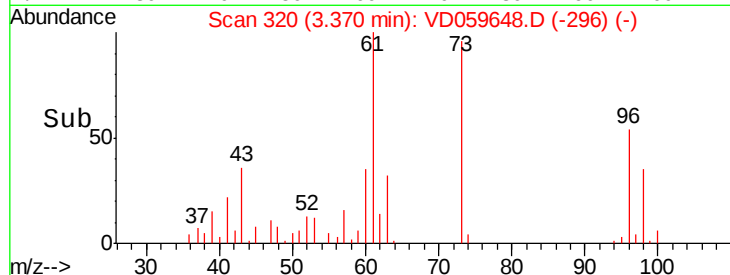
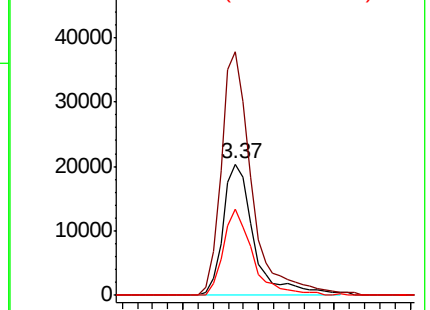


Abundance

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: 50.198 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Tgt Ion: 45 Resp: 228992

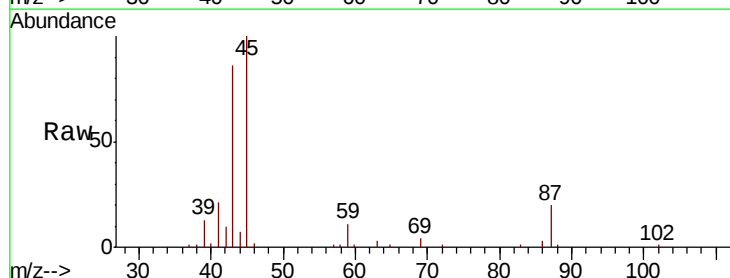
Ion Ratio Lower Upper

45 100

43 86.5 59.4 89.2

87 19.9 16.7 25.1

59 10.7 8.2 12.4



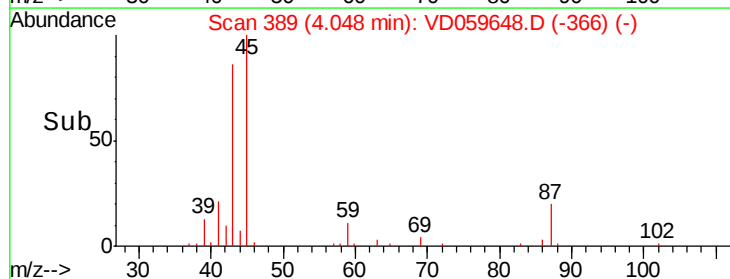
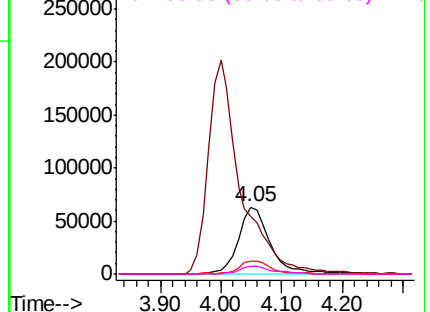
Abundance

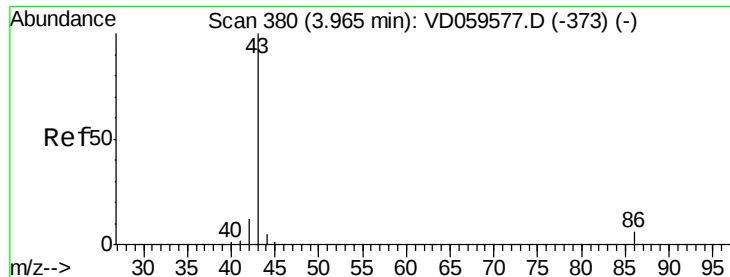
Ion 45.05 (44.75 to 45.75): VDC

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: 255.042 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

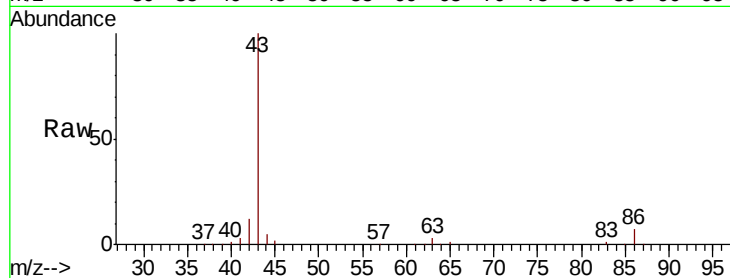
VSTDCCC050

Tot Ion: 43 Resp: 738400

Ion Ratio Lower Upper

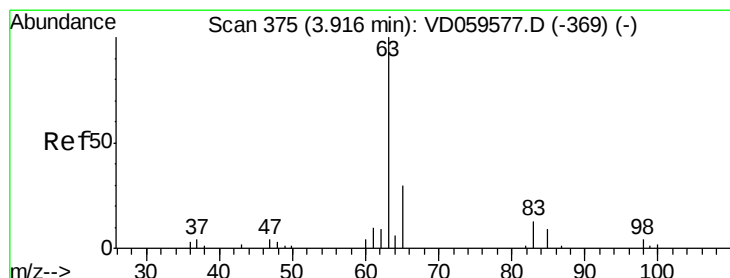
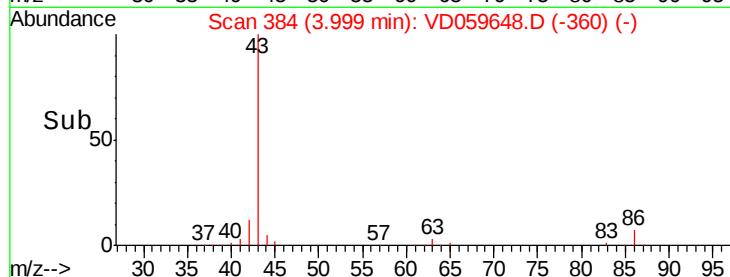
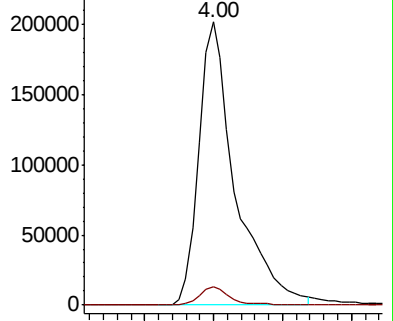
43 100

86 6.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.299 ug/l

RT: 3.95 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

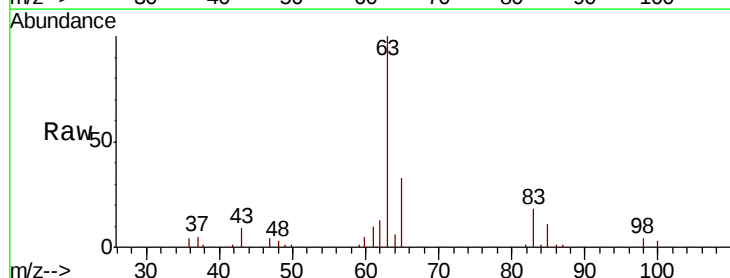
Tgt Ion: 63 Resp: 141971

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.5

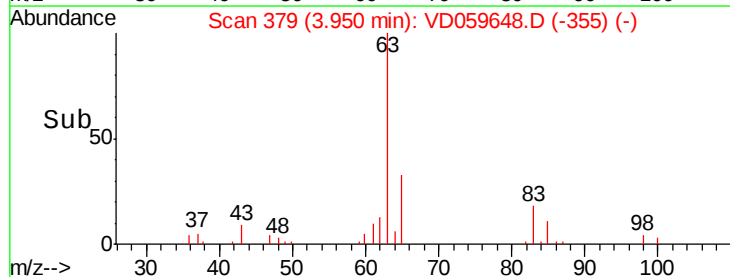
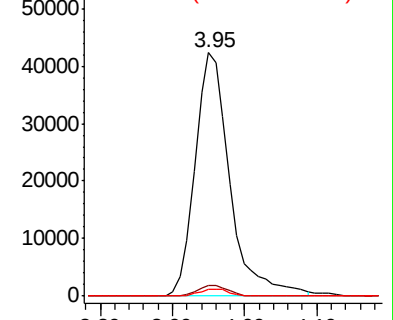
100 2.9 1.1 3.3

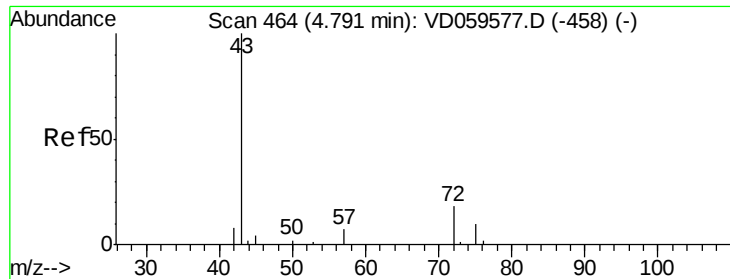


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 246.217 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

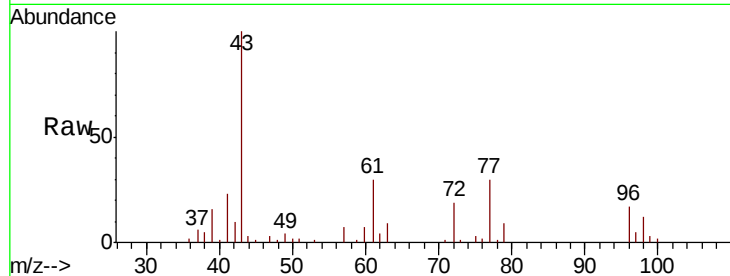
VSTDCCC050

Tot Ion: 43 Resp: 120348

Ion Ratio Lower Upper

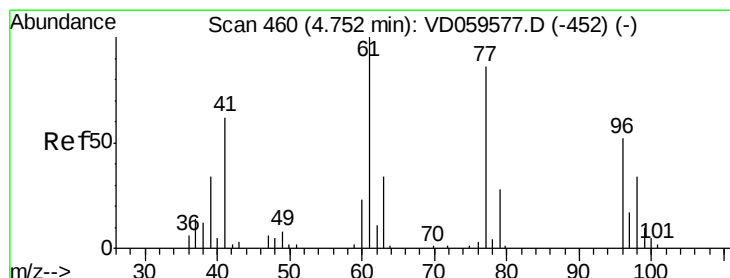
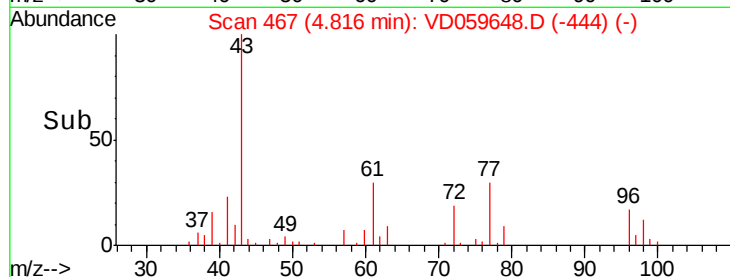
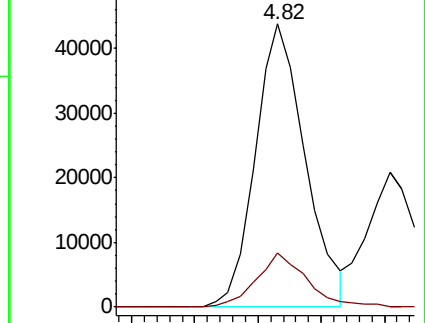
43 100

72 19.1 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.505 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.02 min

Lab File: VD059648.D

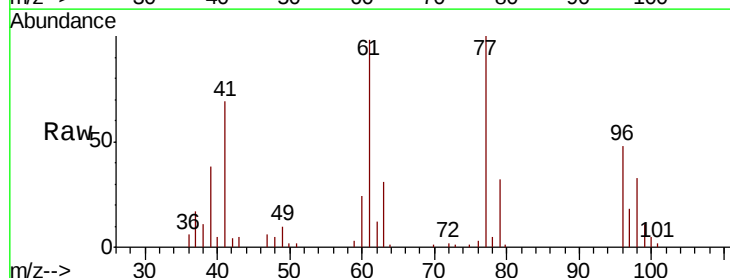
Acq: 31 Jul 2018 12:04

Tgt Ion: 77 Resp: 160750

Ion Ratio Lower Upper

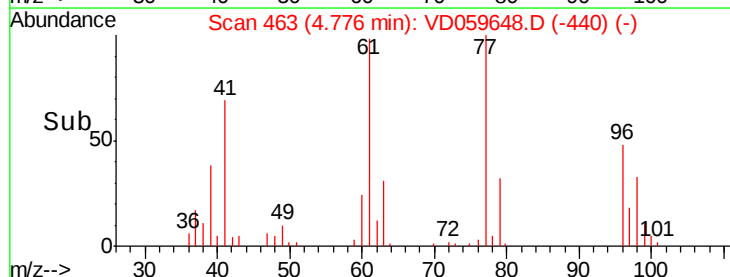
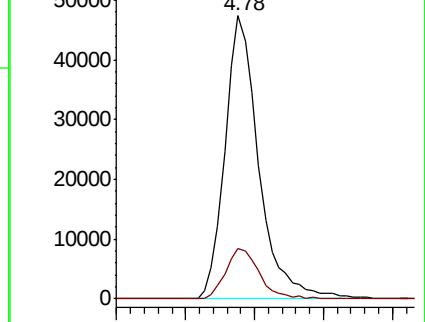
77 100

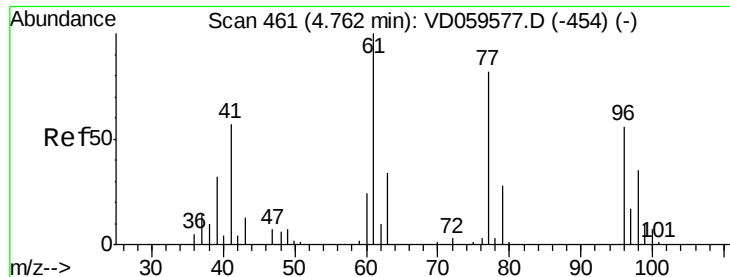
97 17.6 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



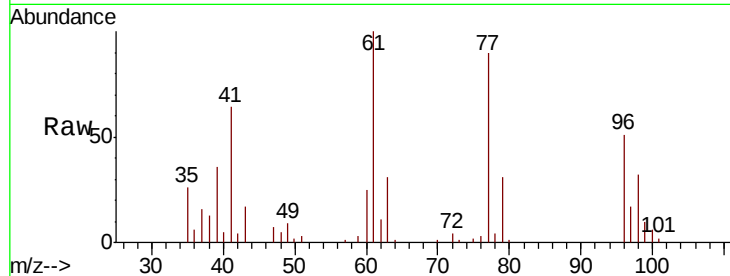


#27

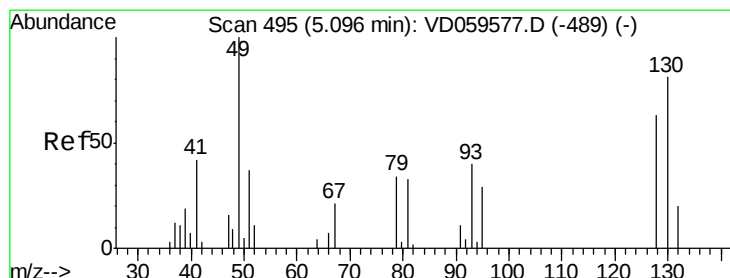
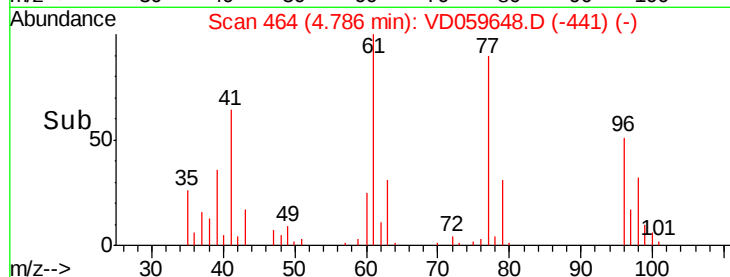
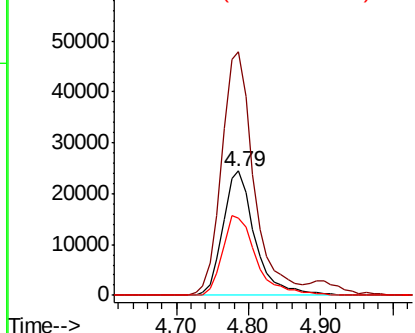
cis-1,2-Dichloroethene
 Concen: 48.882 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.02 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 75330
 Ion Ratio Lower Upper
 96 100
 61 196.0 0.0 355.0
 98 62.2 0.0 125.8



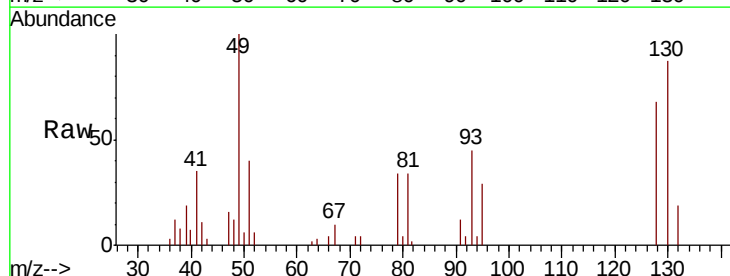
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



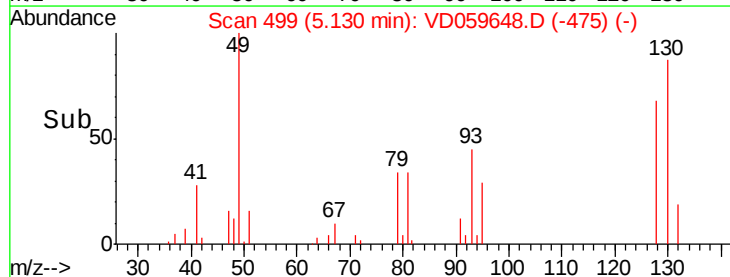
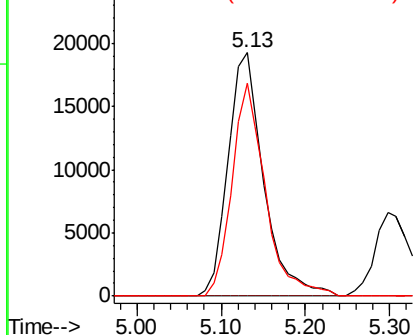
#28

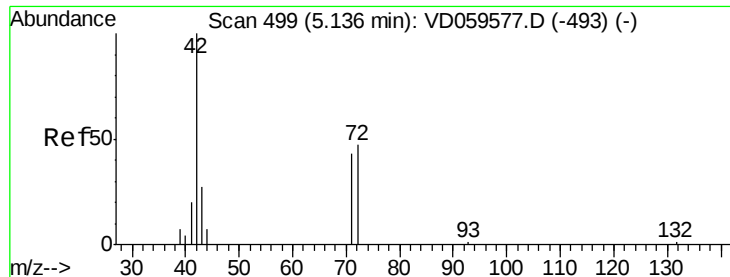
Bromochloromethane
 Concen: 49.710 ug/l
 RT: 5.13 min Scan# 499
 Delta R.T. 0.03 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion: 49 Resp: 56644
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 87.3 64.6 96.8



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

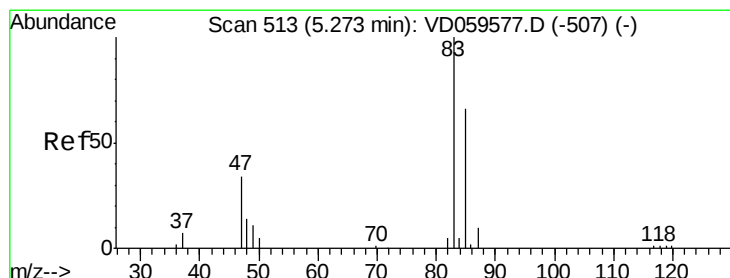
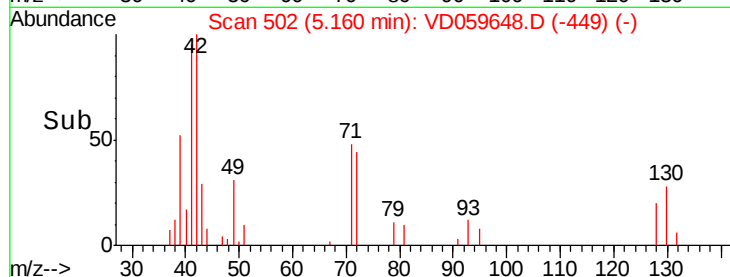
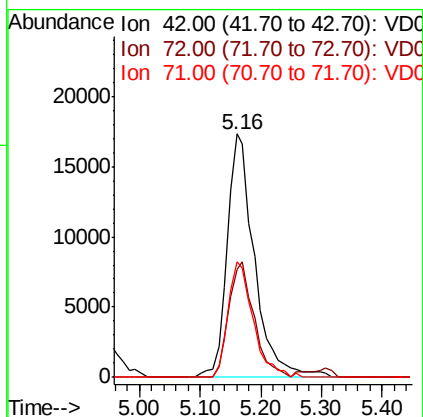
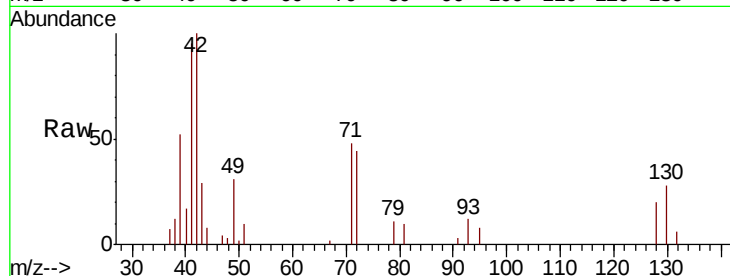




#29
Tetrahydrofuran
Concen: 239.327 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

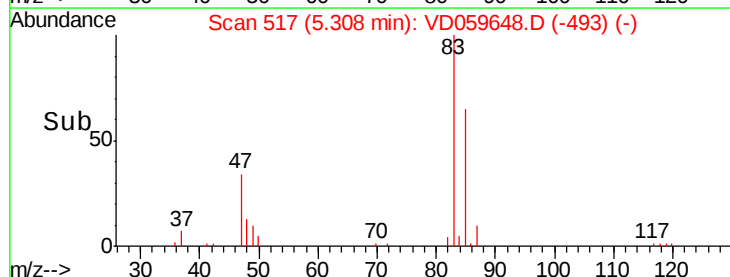
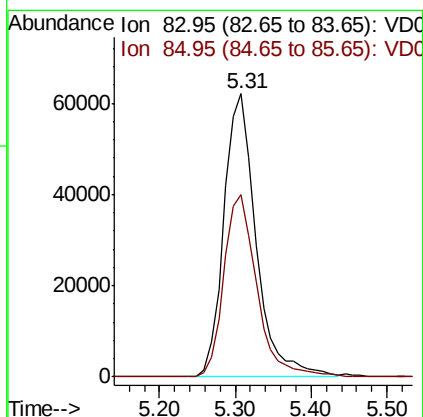
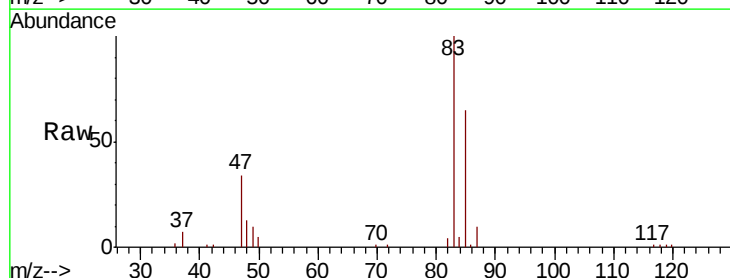
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

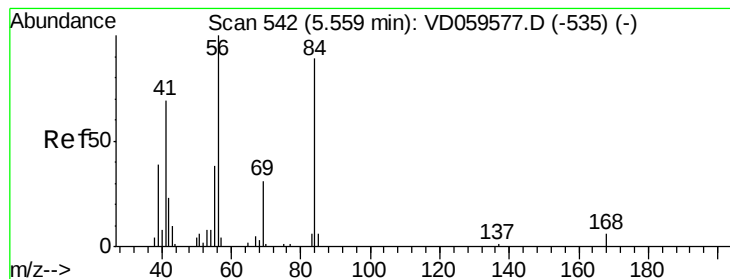
Tot Ion: 42 Resp: 54165
Ion Ratio Lower Upper
42 100
72 43.9 35.0 52.4
71 43.5 34.2 51.2



#30
Chloroform
Concen: 53.109 ug/l
RT: 5.31 min Scan# 517
Delta R.T. 0.03 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 83 Resp: 182926
Ion Ratio Lower Upper
83 100
85 64.5 53.0 79.6





#31

Cyclohexane

Concen: 50.233 ug/l

RT: 5.57 min Scan# 544

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

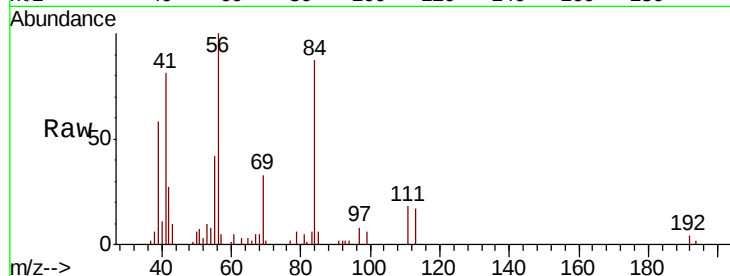
Tot Ion: 56 Resp: 92779

Ion Ratio Lower Upper

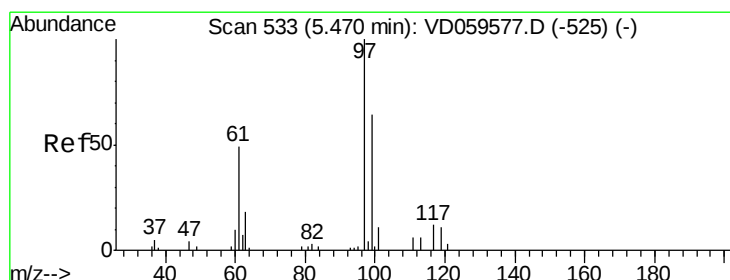
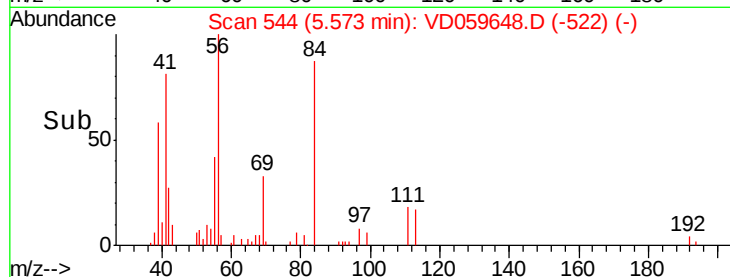
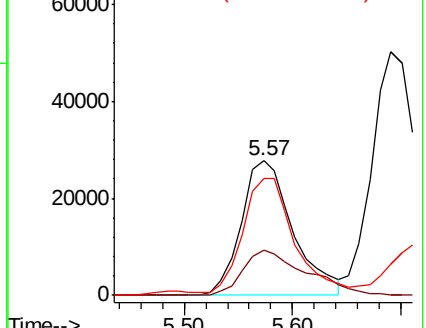
56 100

69 33.5 24.6 37.0

84 86.7 72.7 109.1



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 52.877 ug/l

RT: 5.49 min Scan# 536

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

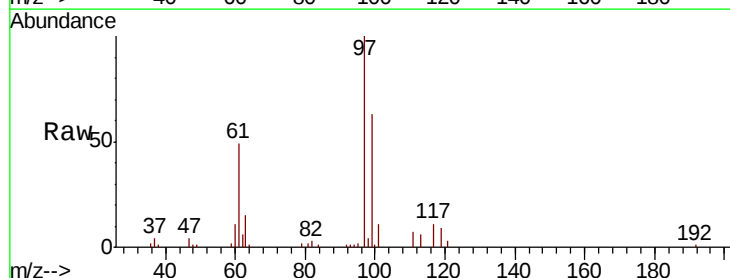
Tgt Ion: 97 Resp: 176323

Ion Ratio Lower Upper

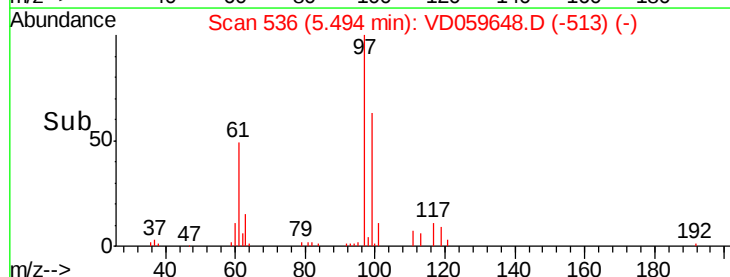
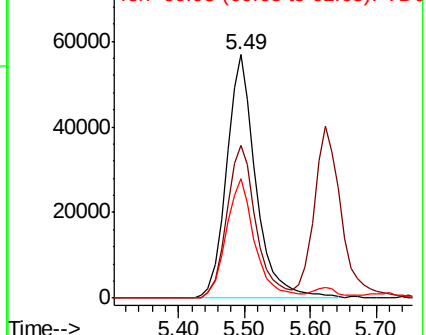
97 100

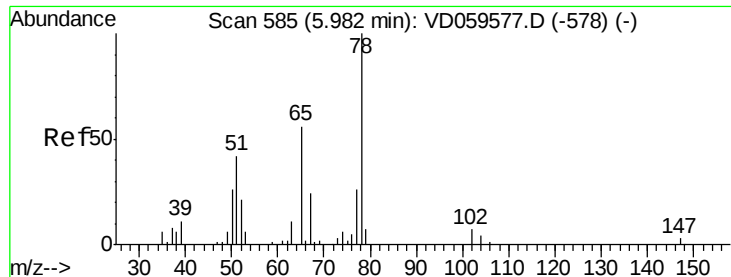
99 62.6 50.9 76.3

61 49.1 39.2 58.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.877 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

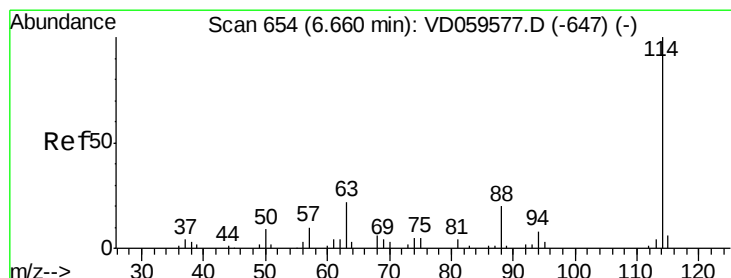
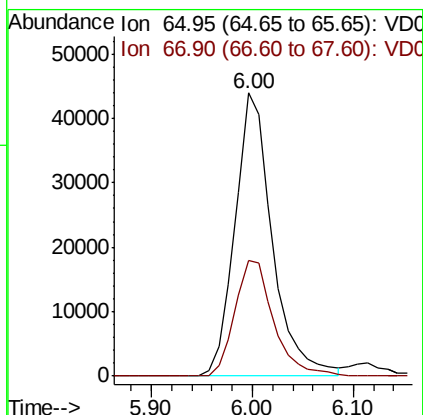
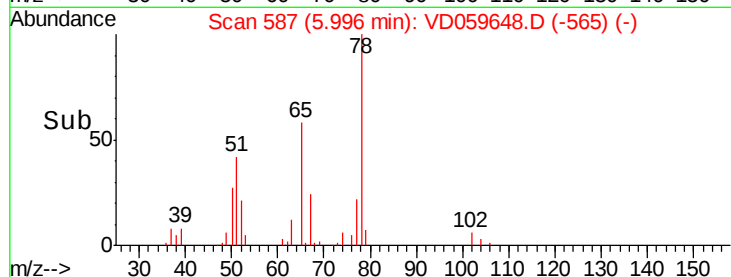
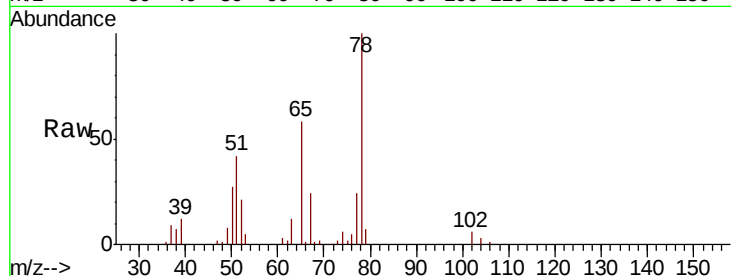
VSTDCCC050

Tot Ion: 65 Resp: 112984

Ion Ratio Lower Upper

65 100

67 40.7 0.0 86.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 656

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

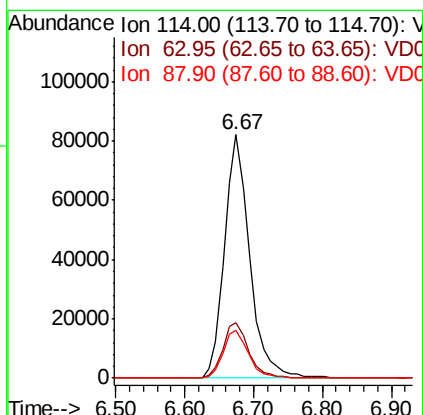
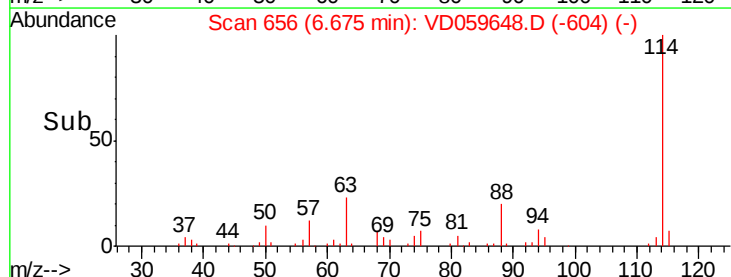
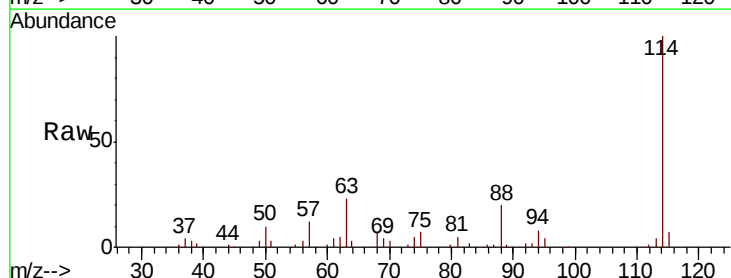
Tgt Ion: 114 Resp: 207872

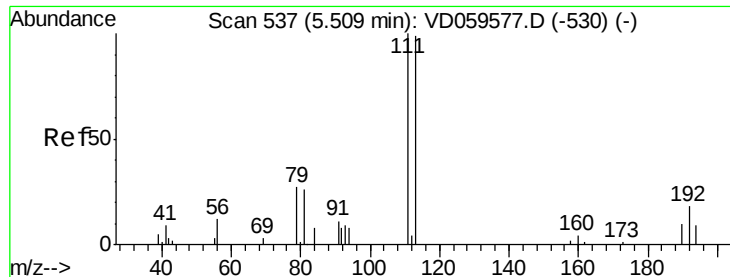
Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.8

88 19.9 0.0 39.0

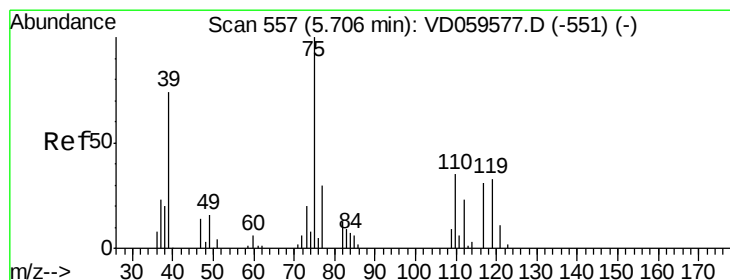
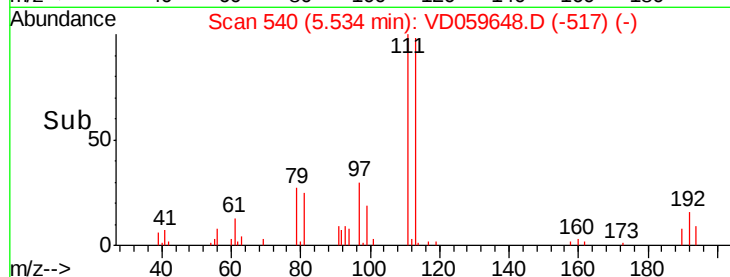
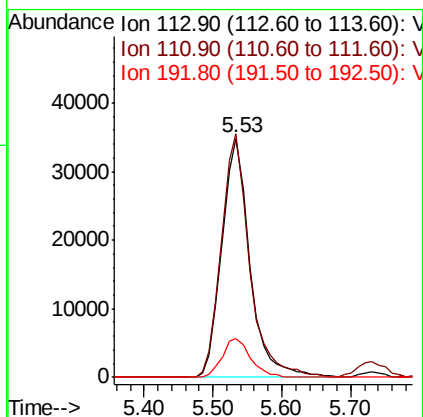
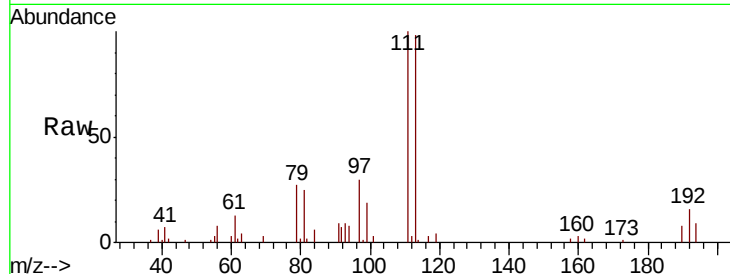




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

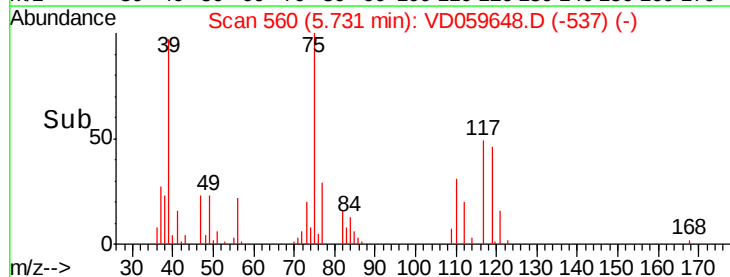
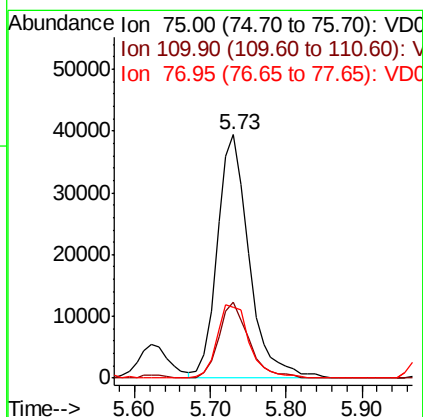
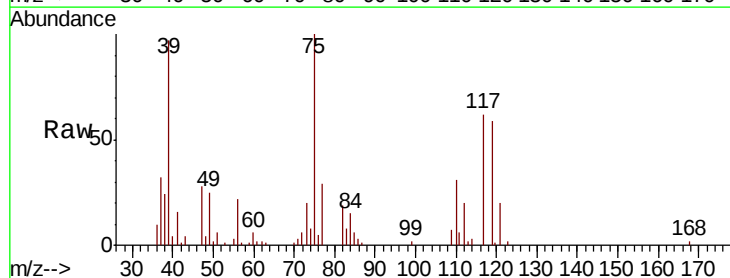
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

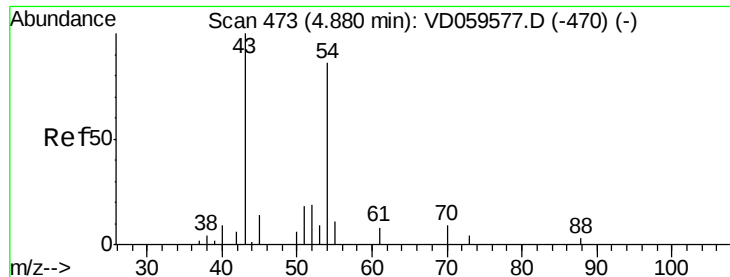
Tot Ion:113 Resp: 98555
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.5 120.7
 192 16.5 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 55.203 ug/l
 RT: 5.73 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion: 75 Resp: 115148
 Ion Ratio Lower Upper
 75 100
 110 31.4 17.0 50.9
 77 29.2 23.6 35.4





#37

Ethyl Acetate

Concen: 57.455 ug/l

RT: 4.90 min Scan# 476

Delta R.T. 0.02 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

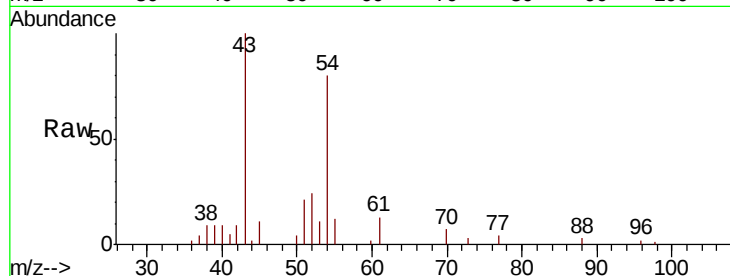
Tot Ion: 43 Resp: 61649

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

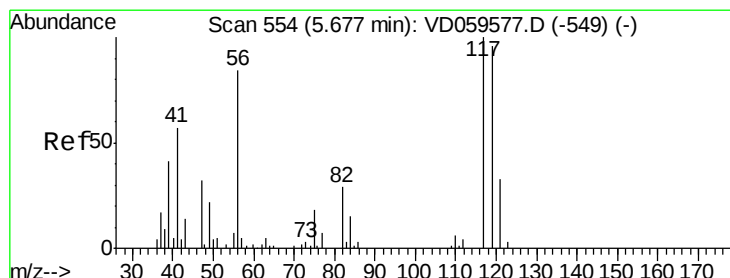
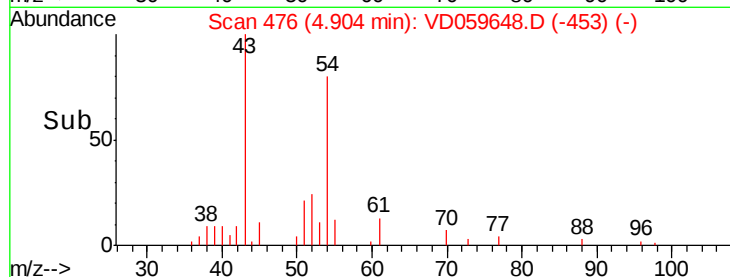
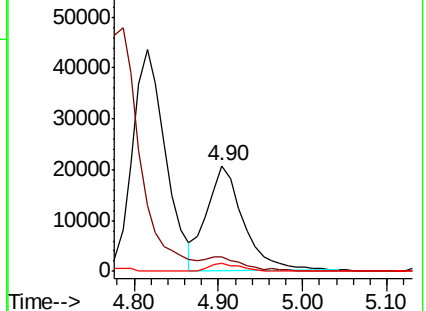
70 7.2 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 56.297 ug/l

RT: 5.71 min Scan# 558

Delta R.T. 0.03 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

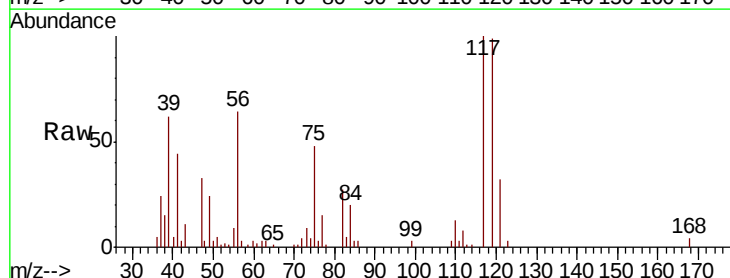
Tgt Ion: 117 Resp: 160801

Ion Ratio Lower Upper

117 100

119 99.3 73.6 110.4

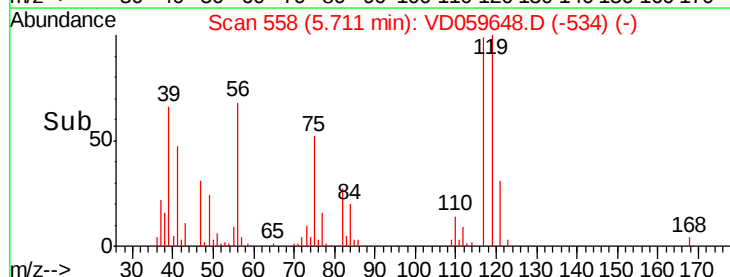
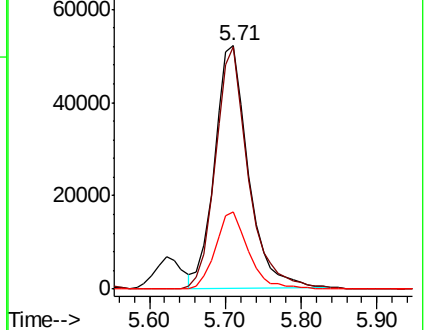
121 31.7 25.0 37.6

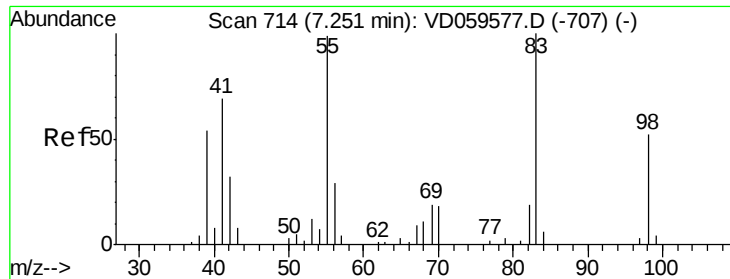


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

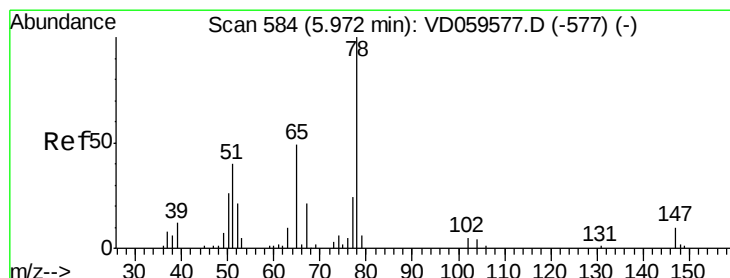
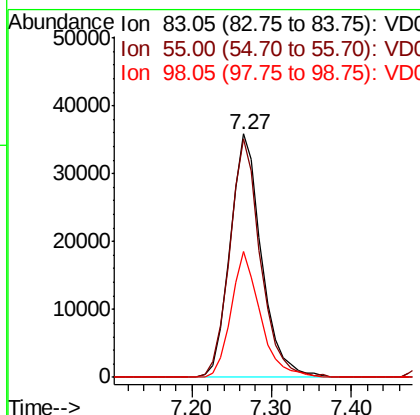
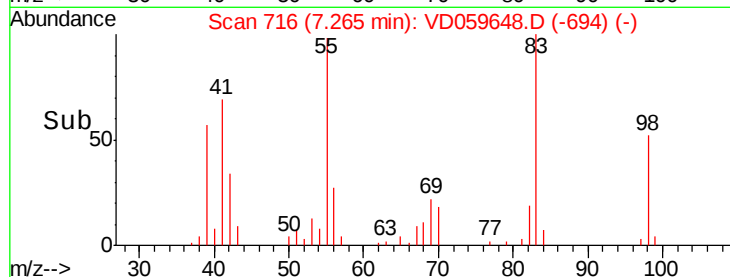
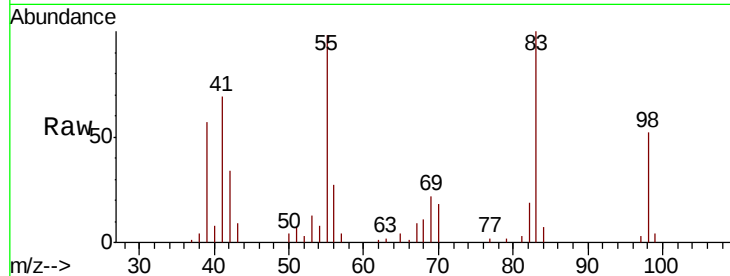




#39
Methylcyclohexane
Concen: 51.298 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

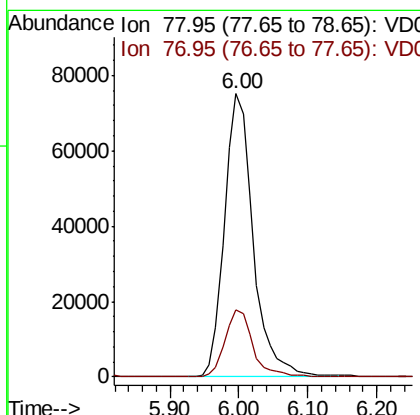
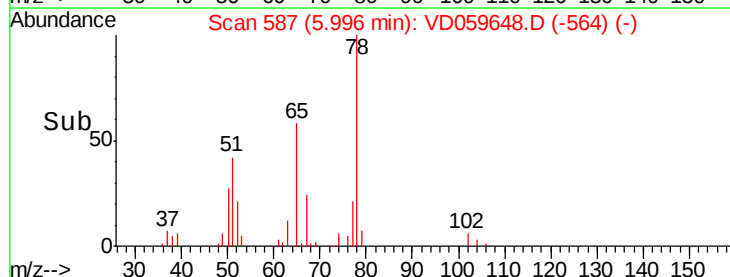
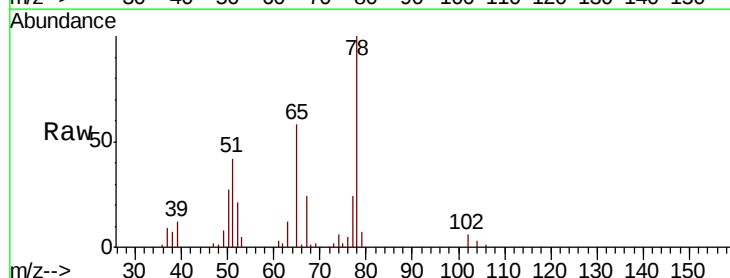
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

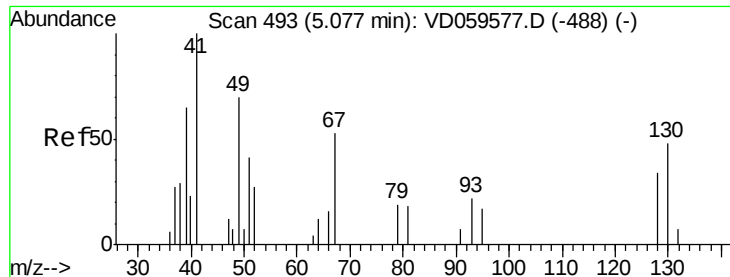
Tot Ion: 83 Resp: 98397
Ion Ratio Lower Upper
83 100
55 97.8 79.4 119.0
98 51.6 41.6 62.4



#40
Benzene
Concen: 50.981 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 78 Resp: 218074
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6

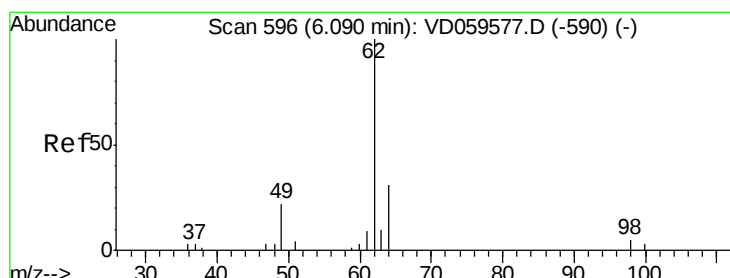
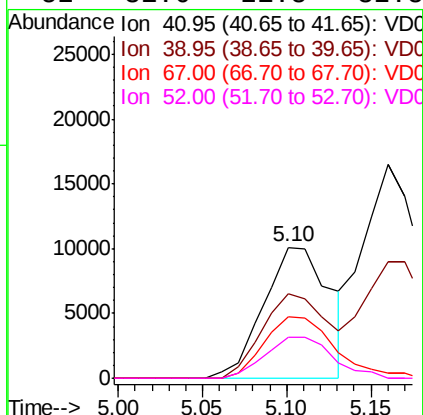
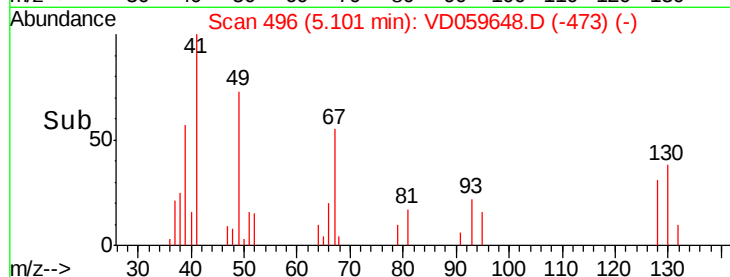
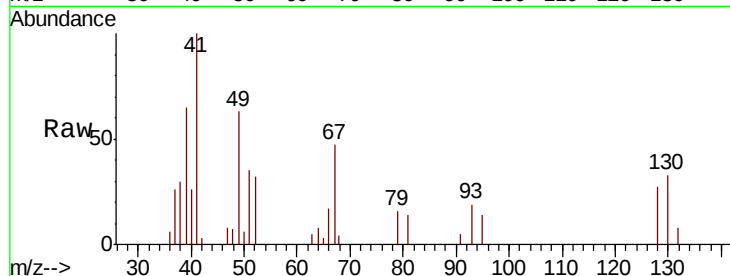




#41
Methacrylonitrile
Concen: 51.691 ug/l
RT: 5.10 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

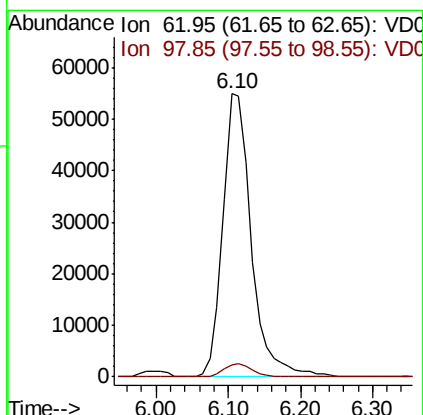
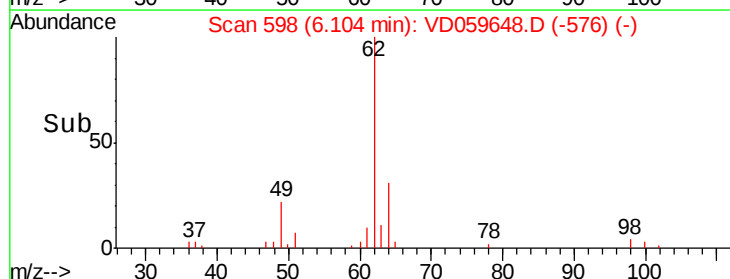
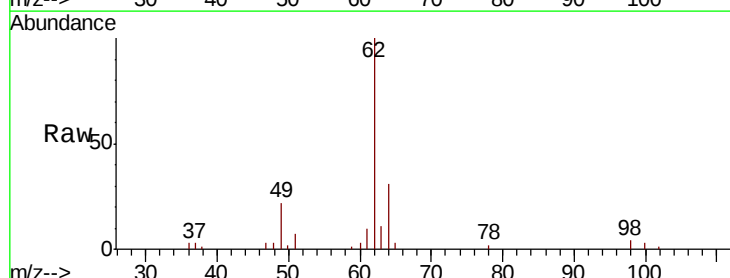
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

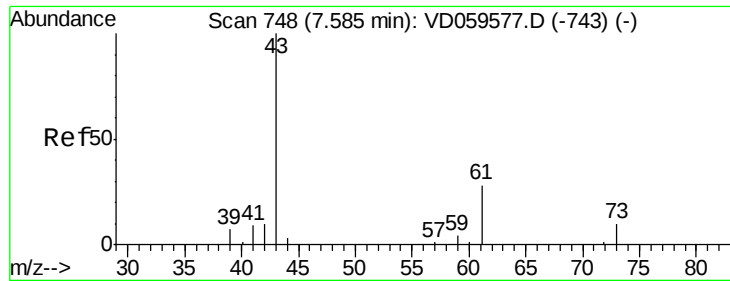
Tot Ion: 41 Resp: 27679
Ion Ratio Lower Upper
41 100
39 64.5 52.1 78.1
67 47.2 42.5 63.7
52 31.6 21.8 32.8



#42
1,2-Dichloroethane
Concen: 58.401 ug/l
RT: 6.10 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 62 Resp: 150512
Ion Ratio Lower Upper
62 100
98 4.5 0.0 10.2



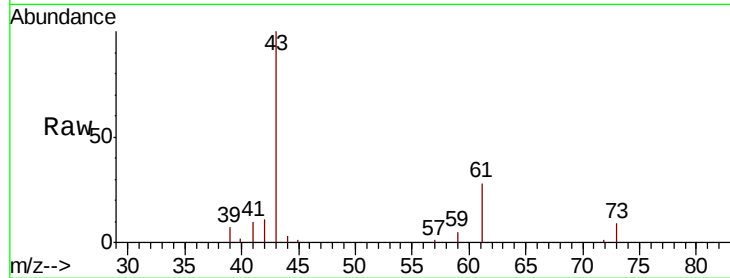


#43

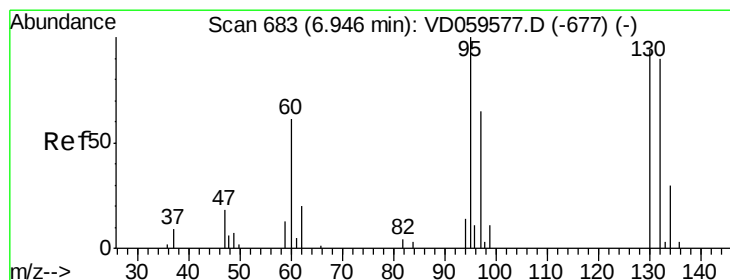
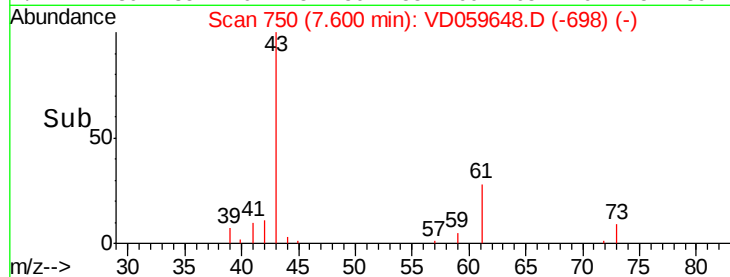
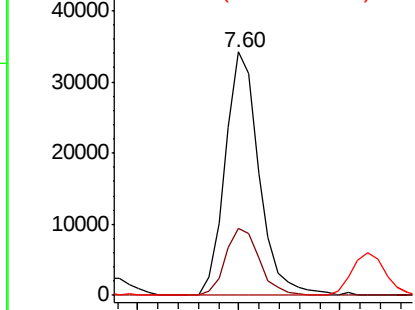
Isopropyl Acetate
 Concen: 53.545 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. 0.01 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 79669
 Ion Ratio Lower Upper
 43 100
 61 27.7 22.0 33.0
 87 0.0 0.0 0.0



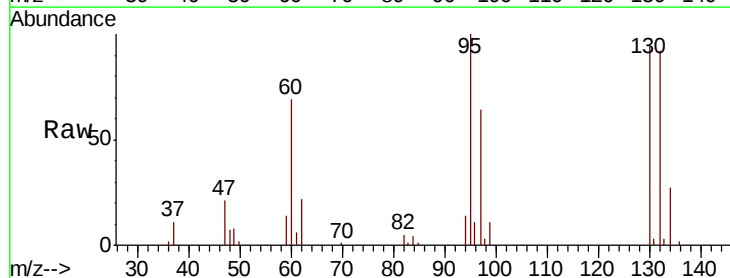
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



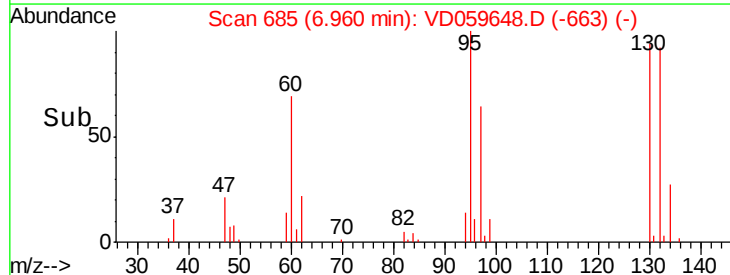
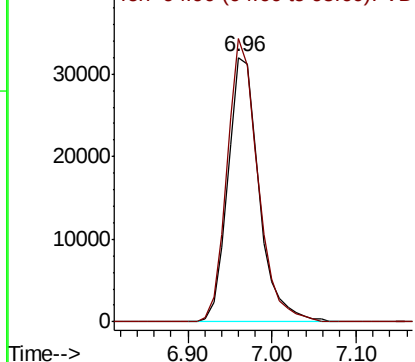
#44

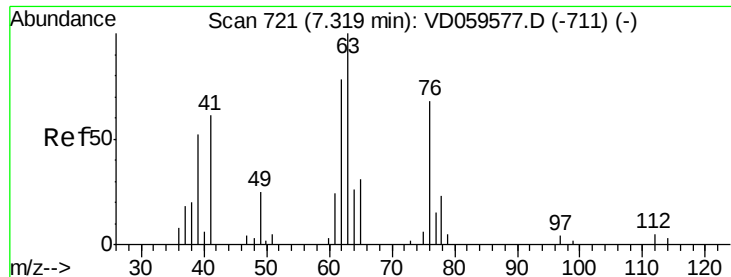
Trichloroethene
 Concen: 52.962 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. 0.01 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion: 130 Resp: 82171
 Ion Ratio Lower Upper
 130 100
 95 106.9 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 52.297 ug/l

RT: 7.33 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

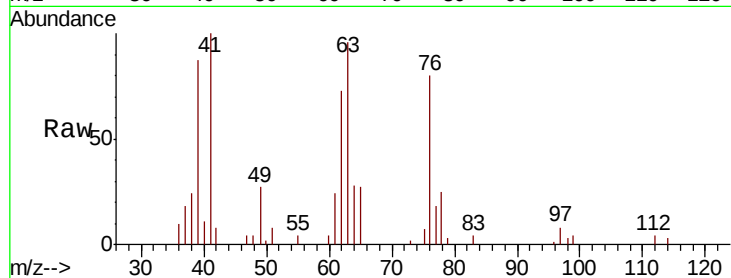
VSTDCCC050

Tot Ion: 63 Resp: 62647

Ion Ratio Lower Upper

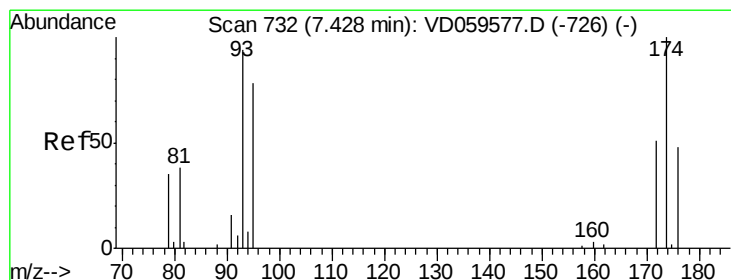
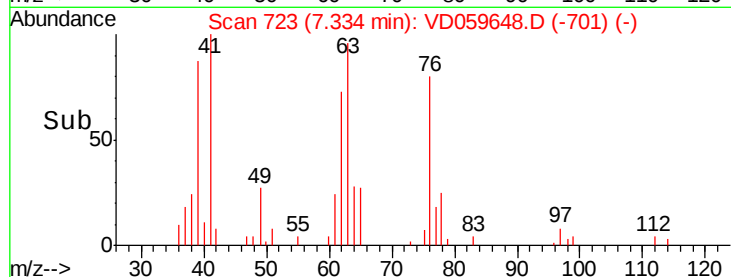
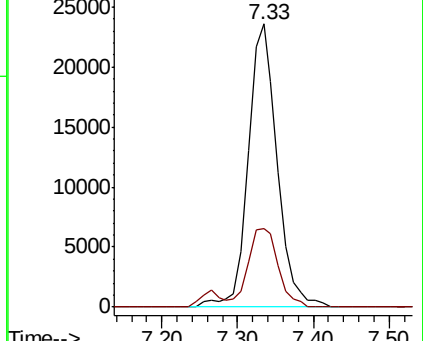
63 100

65 27.8 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.096 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

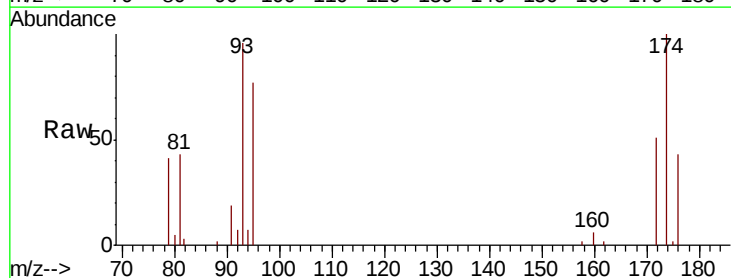
Tgt Ion: 93 Resp: 53761

Ion Ratio Lower Upper

93 100

95 79.7 65.8 98.8

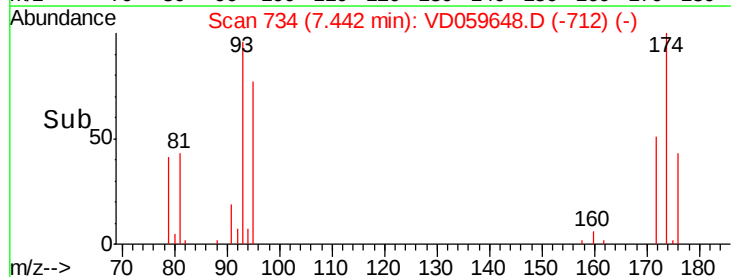
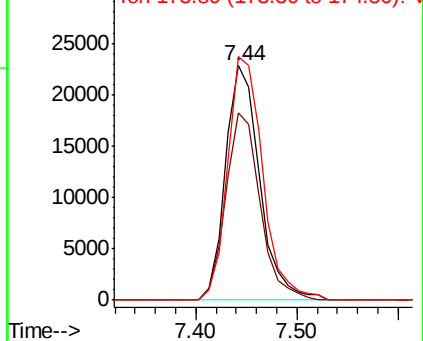
174 103.9 84.7 127.1

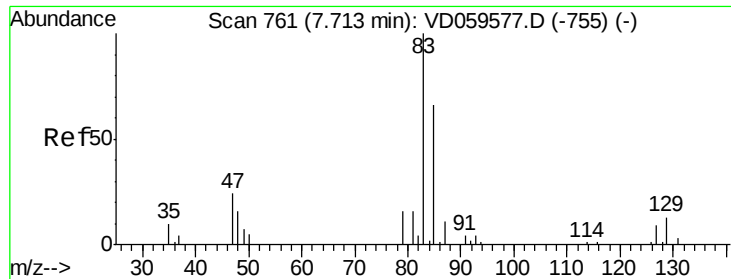


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 56.881 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

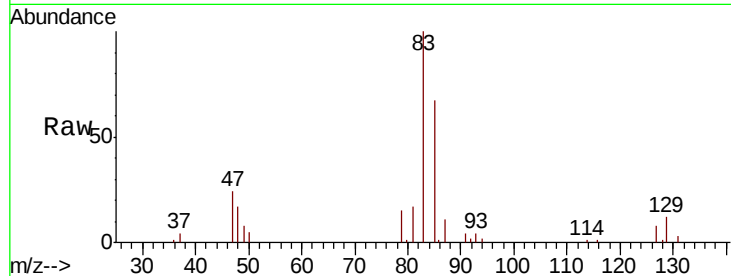
Tot Ion: 83 Resp: 137557

Ion Ratio Lower Upper

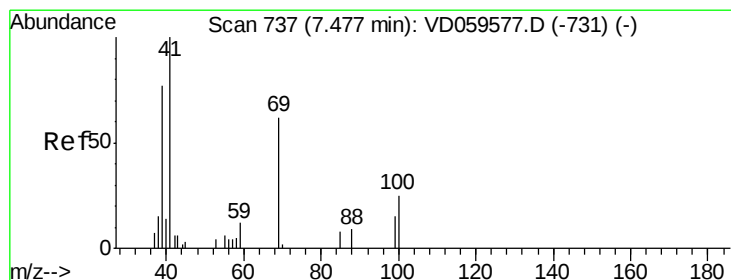
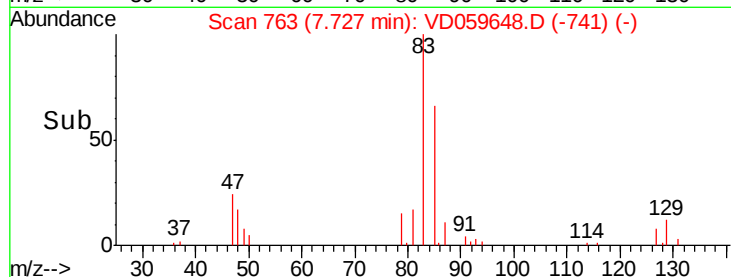
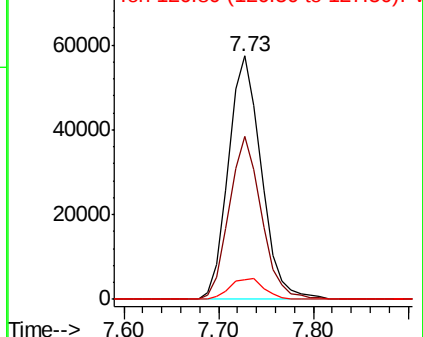
83 100

85 67.2 53.1 79.7

127 8.2 7.4 11.0



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



#48

Methyl methacrylate

Concen: 59.372 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

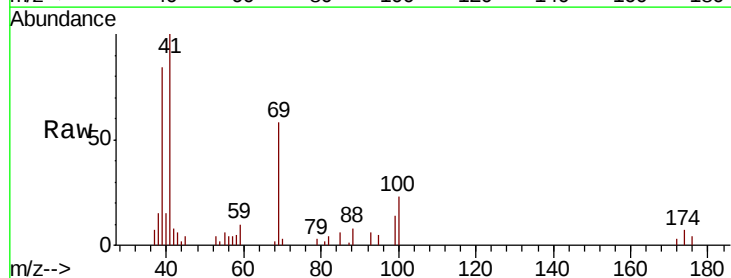
Tgt Ion: 41 Resp: 58585

Ion Ratio Lower Upper

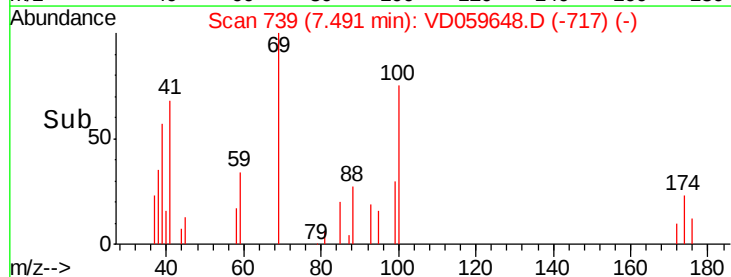
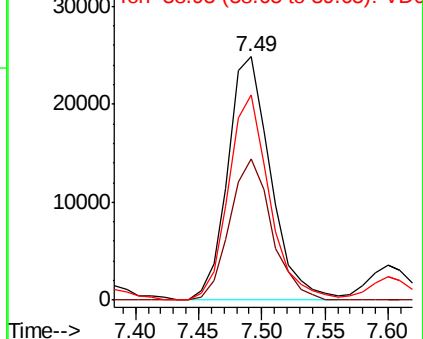
41 100

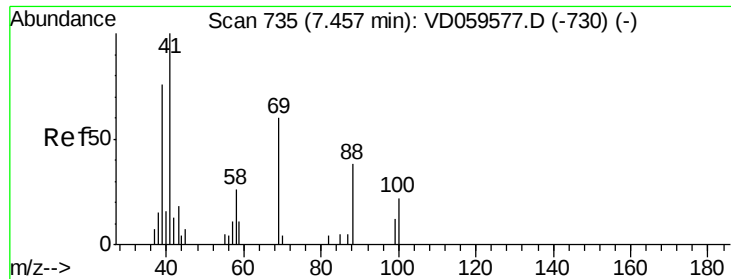
69 58.1 49.4 74.0

39 84.2 61.3 91.9



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

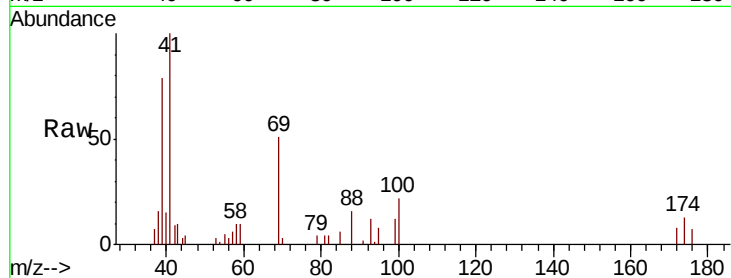




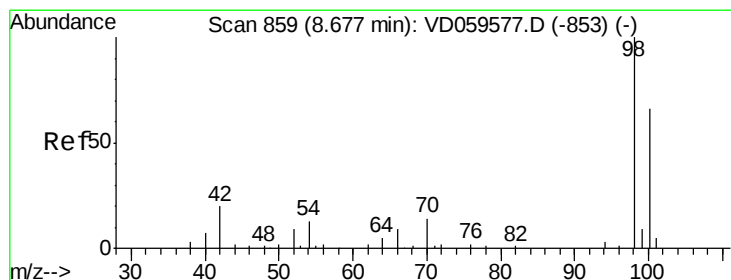
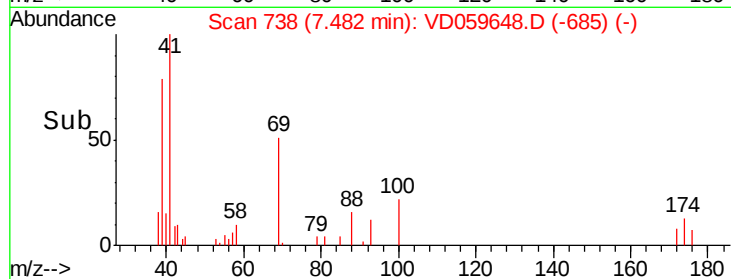
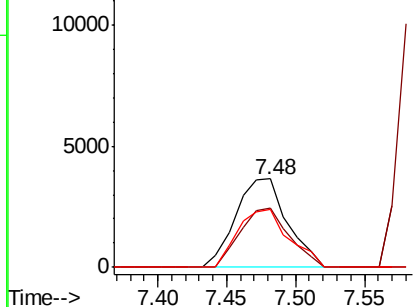
#49
1,4-Dioxane
Concen: 1030.904 ug/l
RT: 7.48 min Scan# 738
Delta R.T. 0.02 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 9522
Ion Ratio Lower Upper
88 100
43 67.3 37.4 56.2#
58 65.0 55.6 83.4

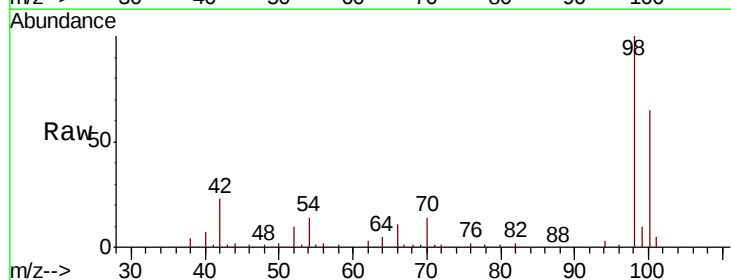


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

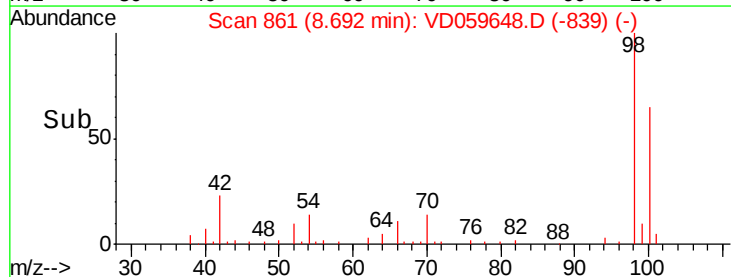
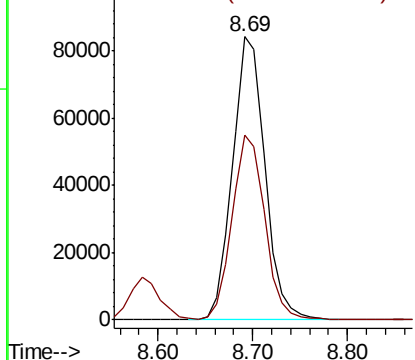


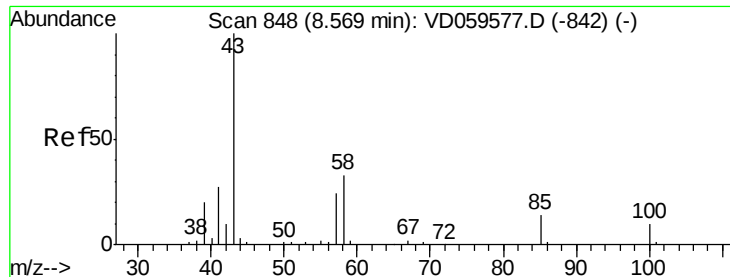
#50
Toluene-d8
Concen: 1030.904 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 98 Resp: 199375
Ion Ratio Lower Upper
98 100
100 65.3 53.2 79.8



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: 262.777 ug/l

RT: 8.58 min Scan# 850

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

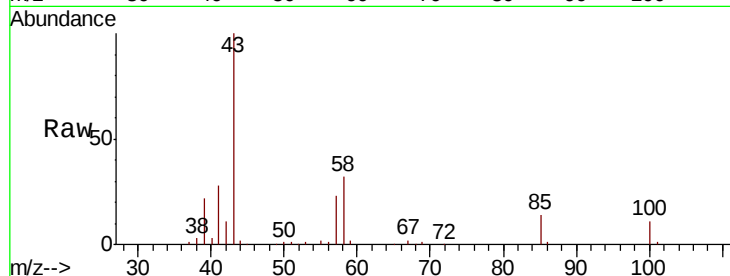
VSTDCCC050

Tot Ion: 43 Resp: 261090

Ion Ratio Lower Upper

43 100

58 32.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

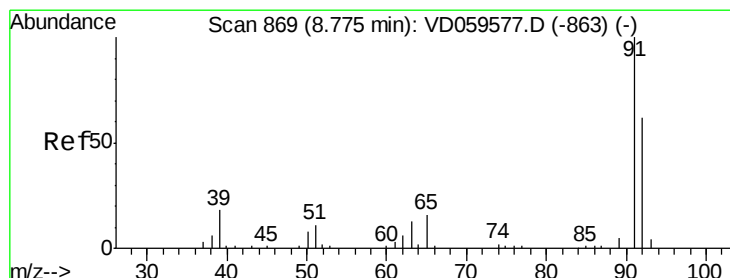
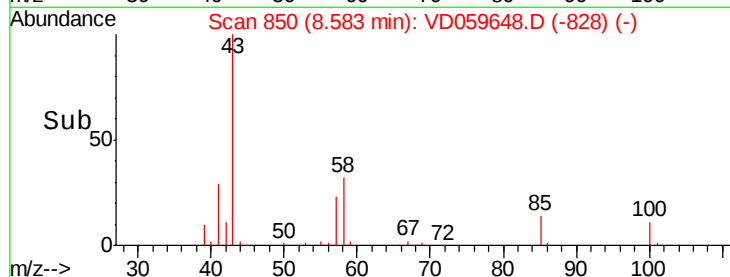
8.58

100000

50000

0

Time-->



#52

Toluene

Concen: 50.681 ug/l

RT: 8.79 min Scan# 871

Delta R.T. 0.01 min

Lab File: VD059648.D

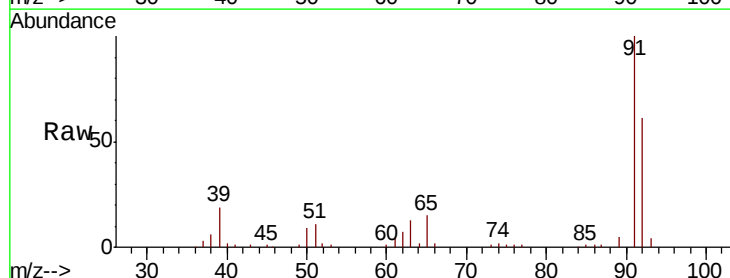
Acq: 31 Jul 2018 12:04

Tgt Ion: 92 Resp: 143752

Ion Ratio Lower Upper

92 100

91 165.2 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

120000

100000

80000

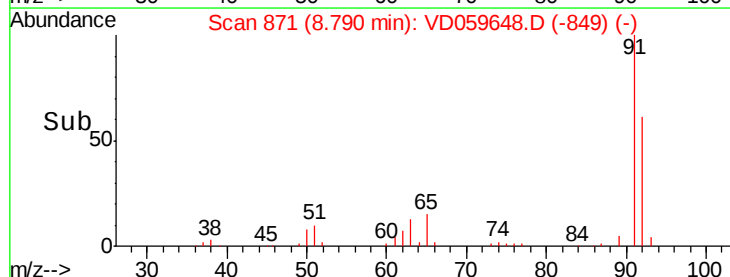
60000

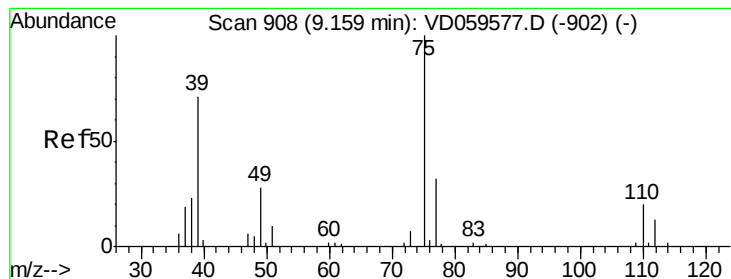
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.751 ug/l

RT: 9.17 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

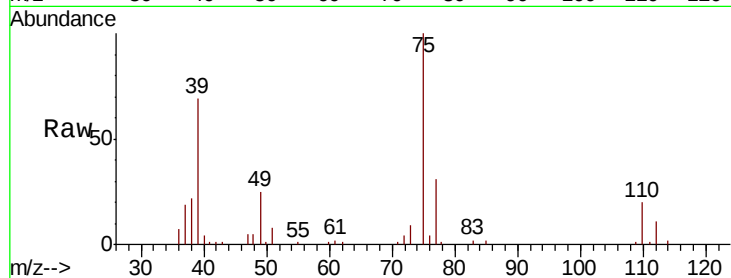
VSTDCCC050

Tot Ion: 75 Resp: 121604

Ion Ratio Lower Upper

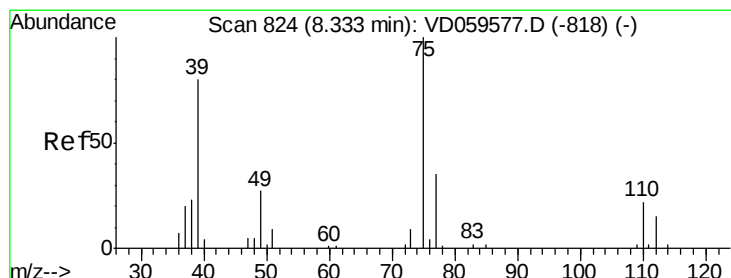
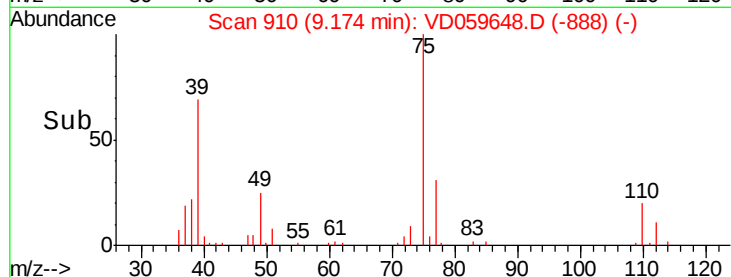
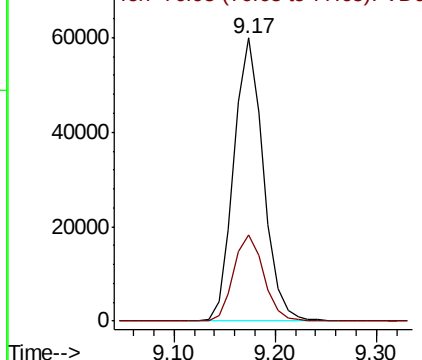
75 100

77 30.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.367 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

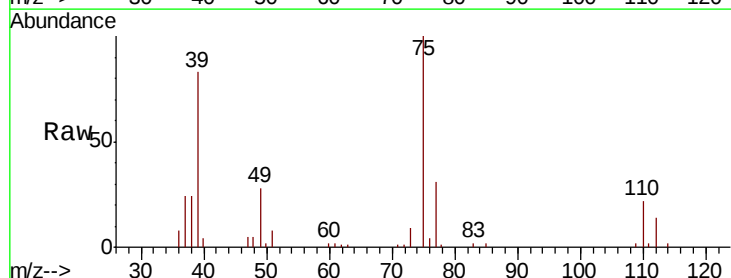
Tgt Ion: 75 Resp: 115594

Ion Ratio Lower Upper

75 100

77 31.0 27.7 41.5

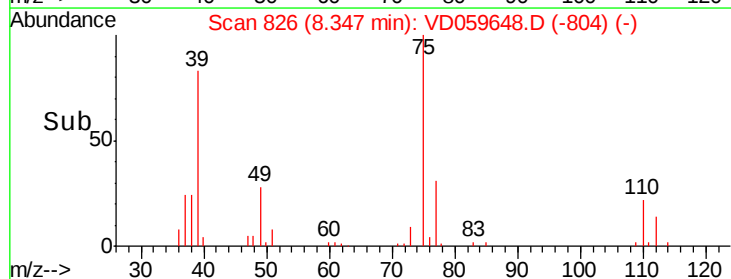
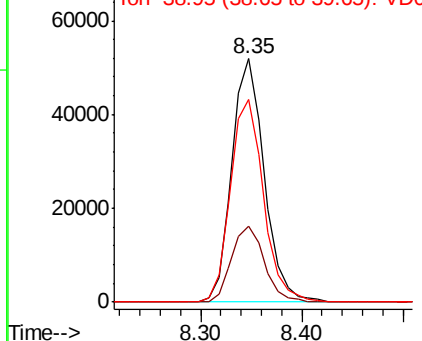
39 83.4 63.8 95.8

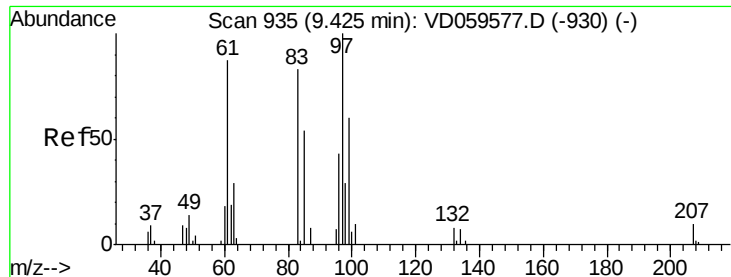


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 51.581 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 54965

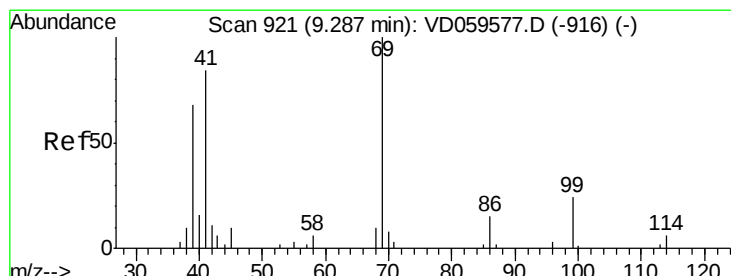
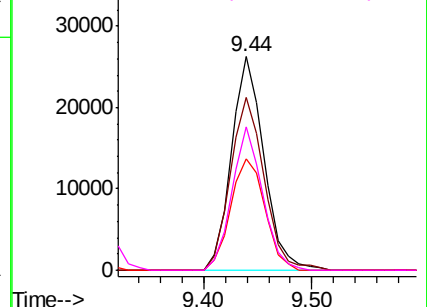
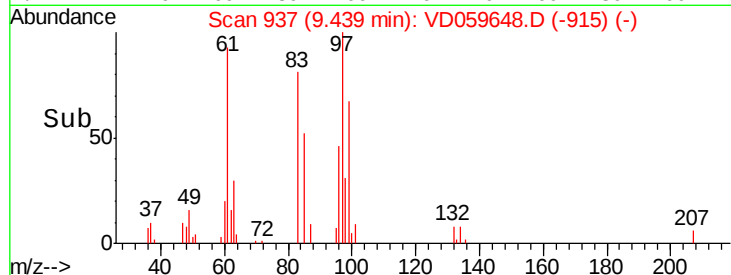
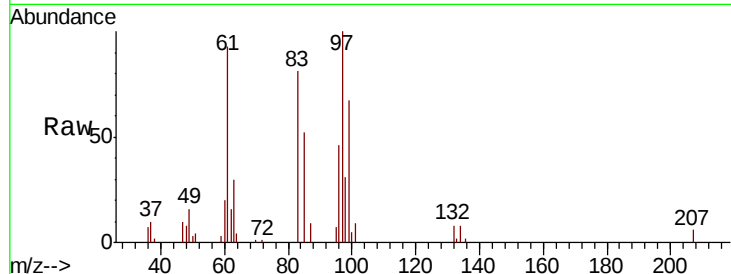
Ion Ratio Lower Upper

97 100

83 80.7 66.3 99.5

85 51.9 43.0 64.6

99 67.1 47.7 71.5



#56

Ethyl methacrylate

Concen: 55.024 ug/l

RT: 9.30 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

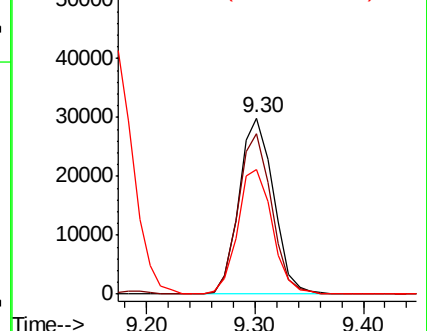
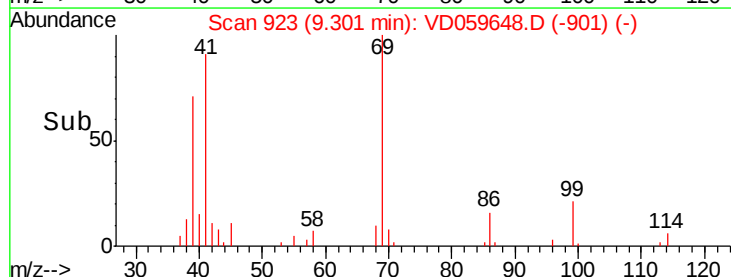
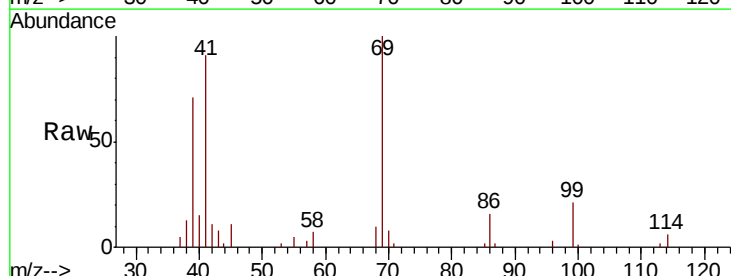
Tgt Ion: 69 Resp: 66524

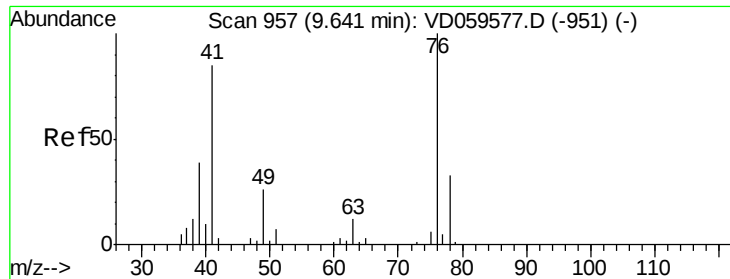
Ion Ratio Lower Upper

69 100

41 91.2 66.8 100.2

39 71.0 54.7 82.1





#57

1,3-Dichloropropane

Concen: 54.174 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

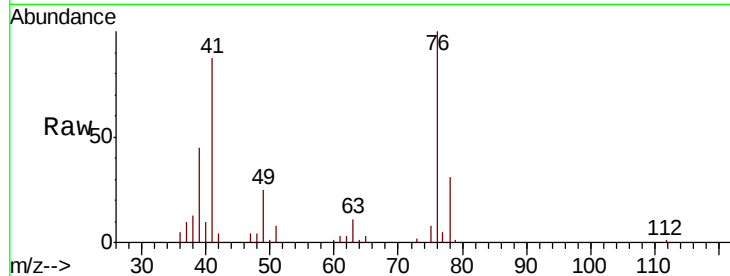
VSTDCCC050

Tot Ion: 76 Resp: 91728

Ion Ratio Lower Upper

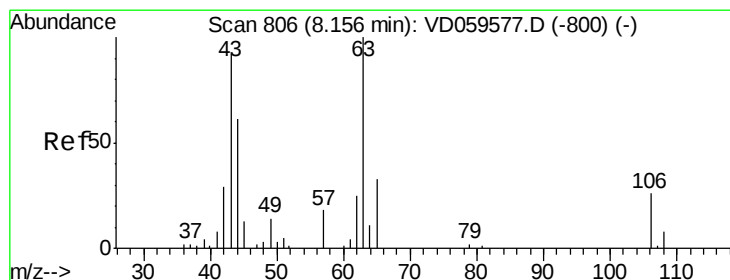
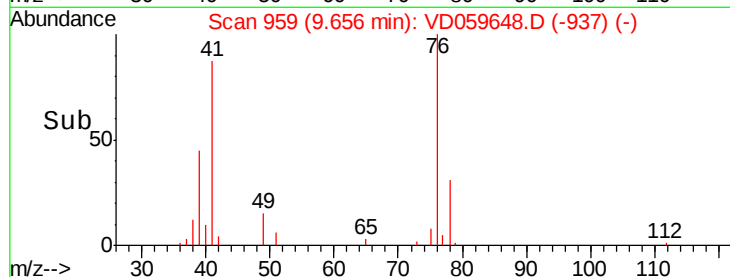
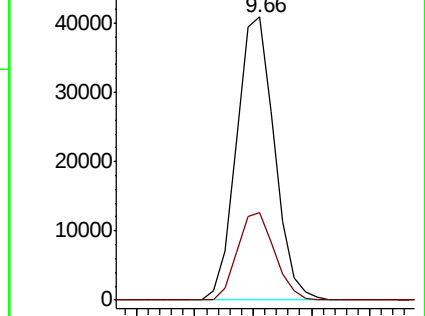
76 100

78 31.0 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 283.029 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD059648.D

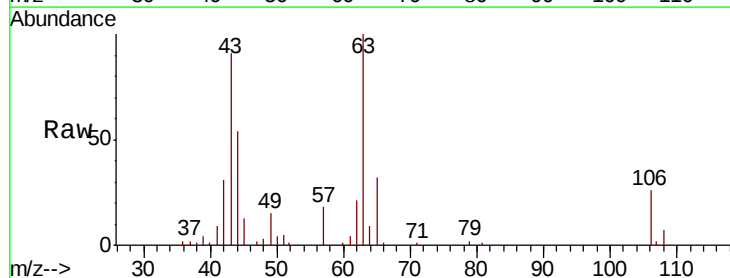
Acq: 31 Jul 2018 12:04

Tgt Ion: 63 Resp: 160784

Ion Ratio Lower Upper

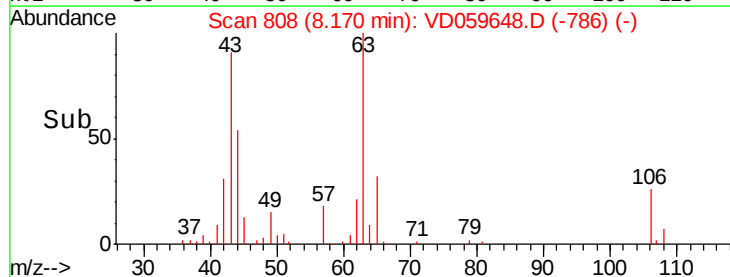
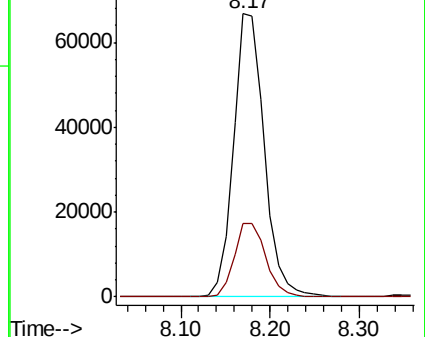
63 100

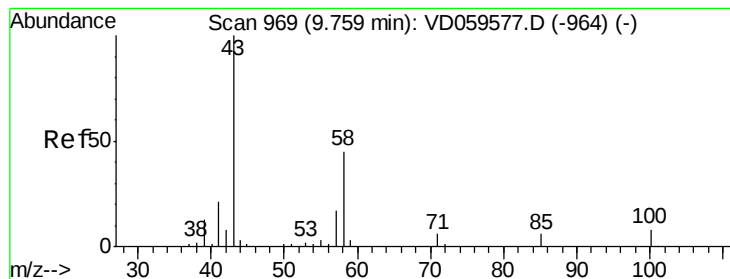
106 26.1 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 256.750 ug/l

RT: 9.77 min Scan# 971

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

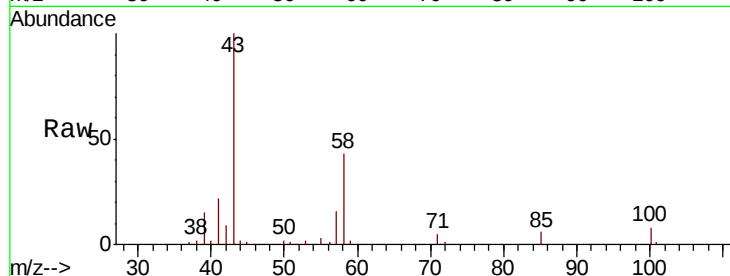
VSTDCCC050

Tot Ion: 43 Resp: 202626

Ion Ratio Lower Upper

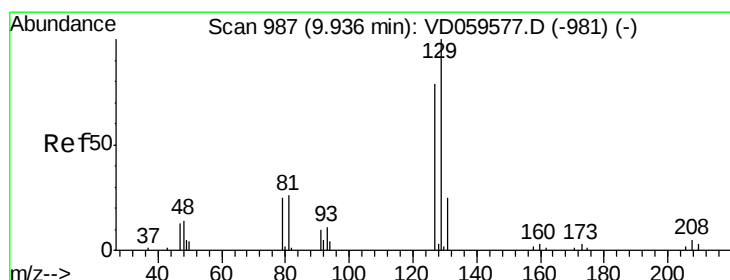
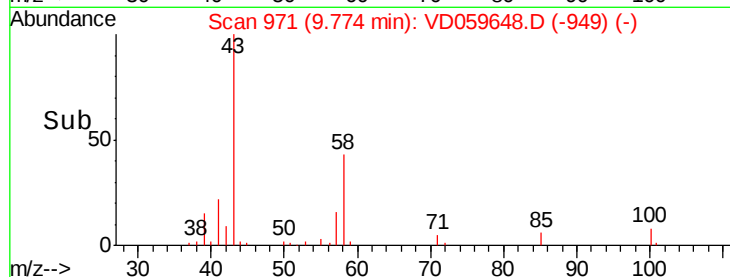
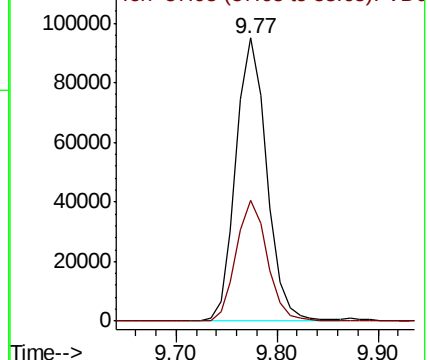
43 100

58 42.6 22.7 68.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 54.552 ug/l

RT: 9.94 min Scan# 988

Delta R.T. 0.00 min

Lab File: VD059648.D

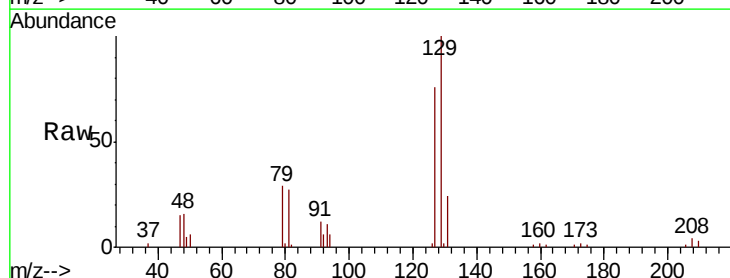
Acq: 31 Jul 2018 12:04

Tgt Ion:129 Resp: 96505

Ion Ratio Lower Upper

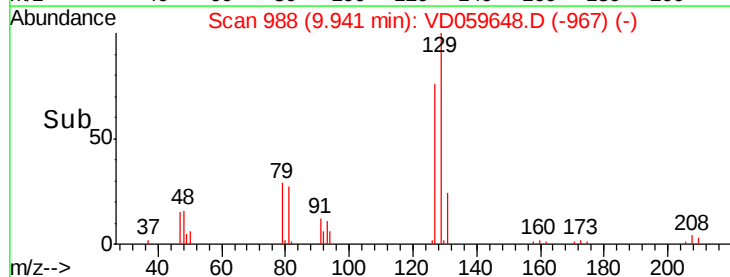
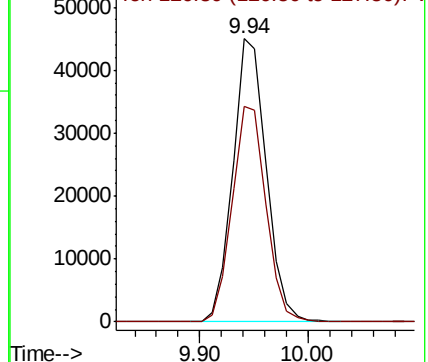
129 100

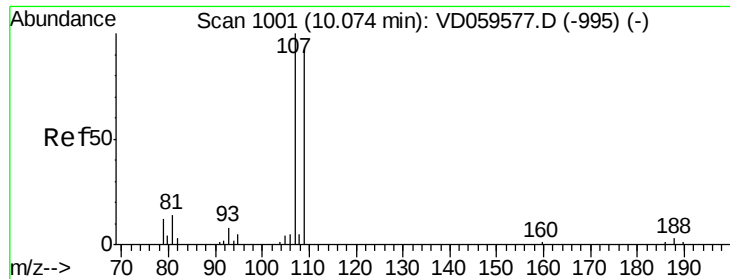
127 76.2 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 53.810 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

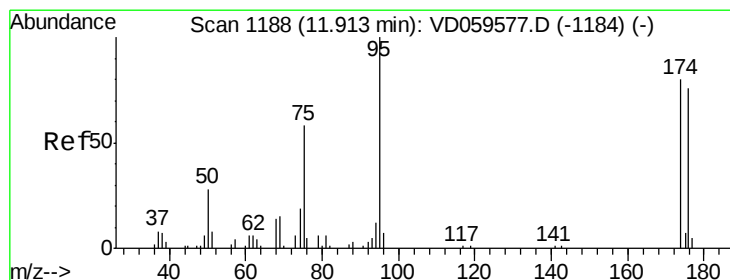
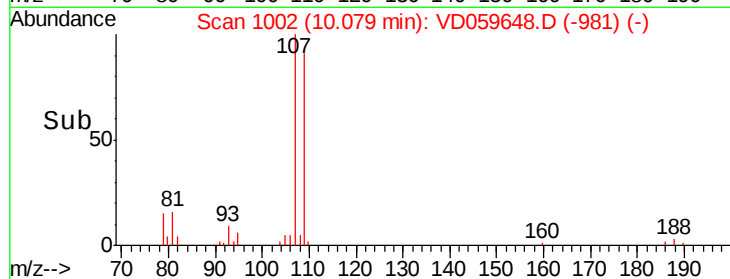
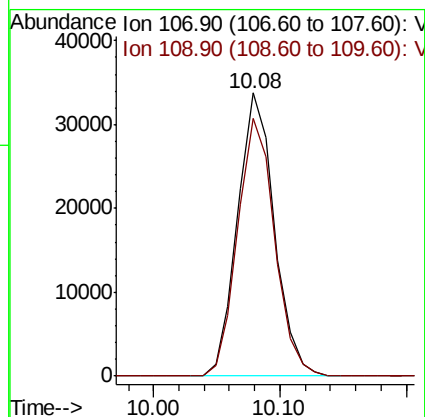
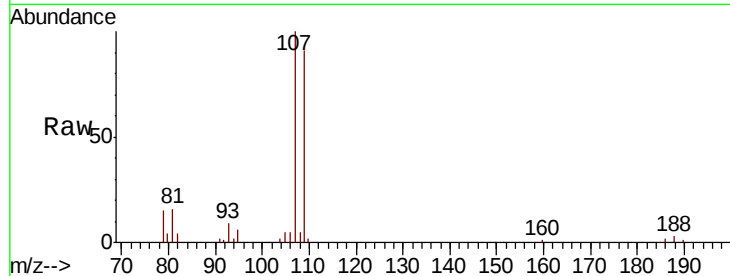
VSTDCCC050

Tot Ion:107 Resp: 67951

Ion Ratio Lower Upper

107 100

109 91.3 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 53.810 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

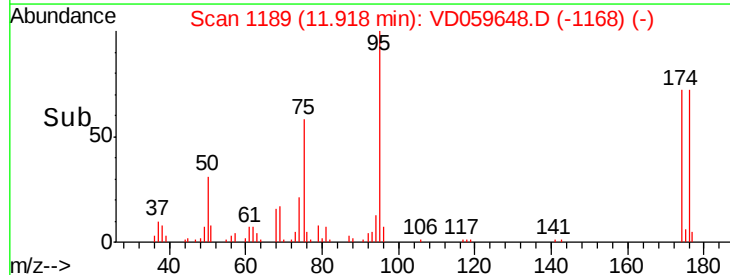
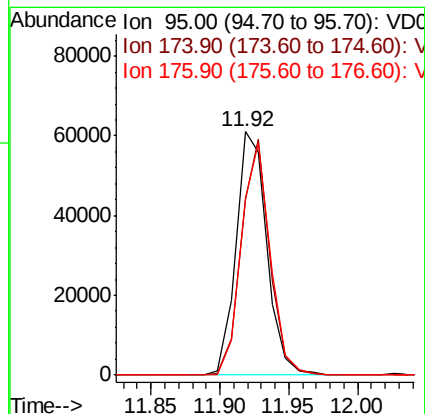
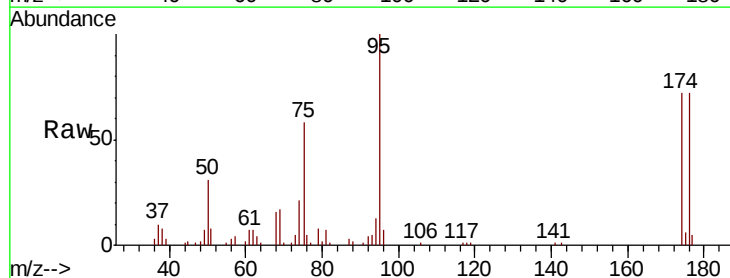
Tgt Ion: 95 Resp: 94704

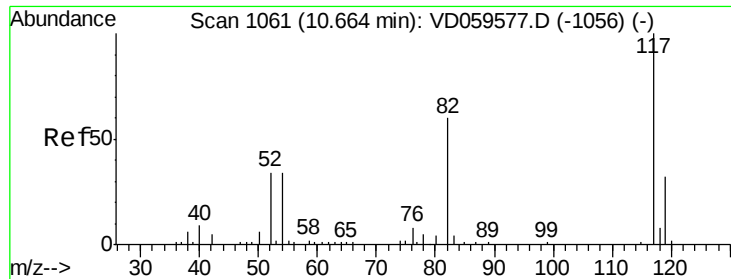
Ion Ratio Lower Upper

95 100

174 72.2 0.0 160.6

176 72.5 0.0 152.8

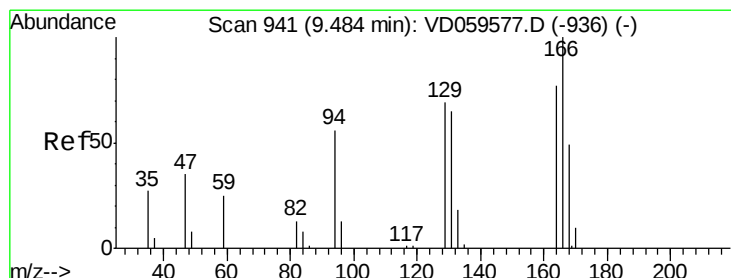
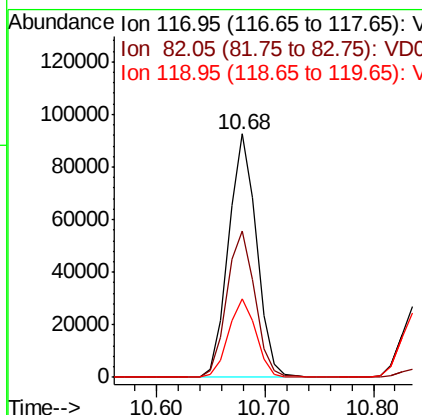
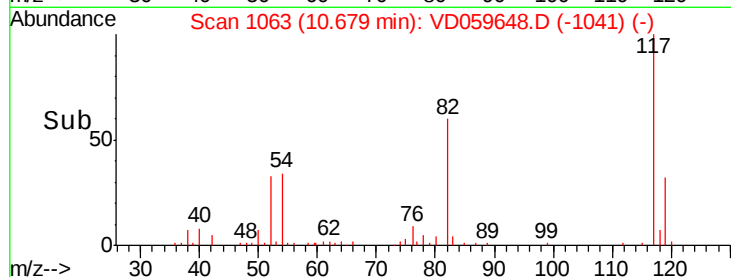
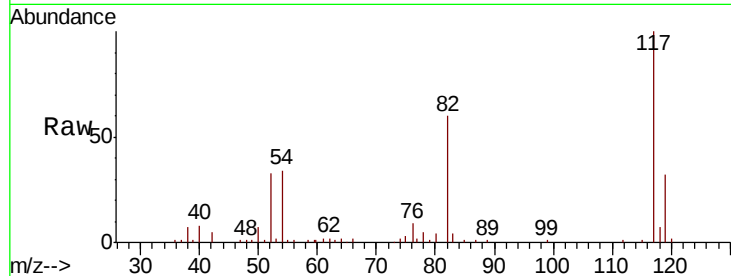




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

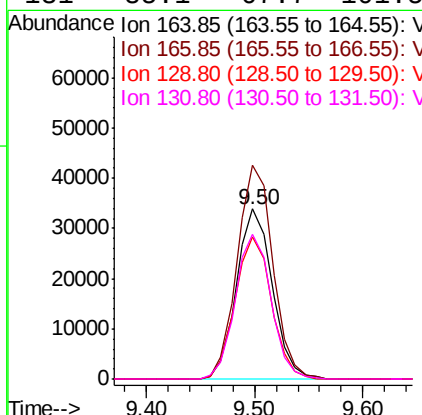
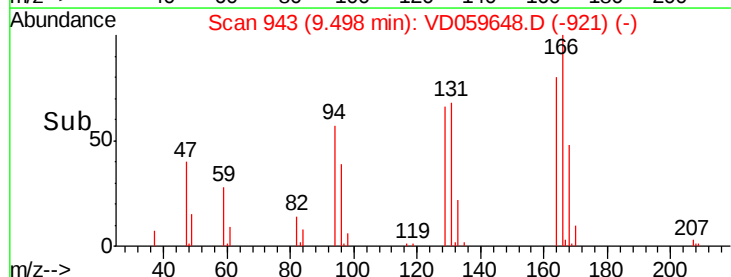
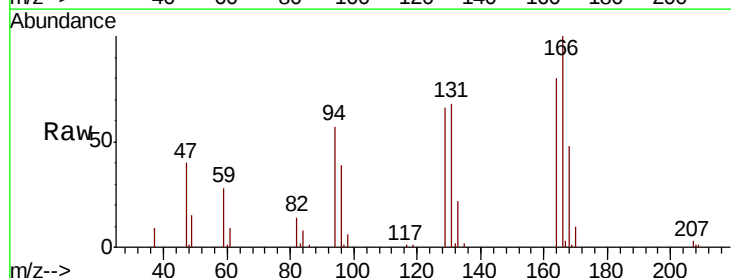
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

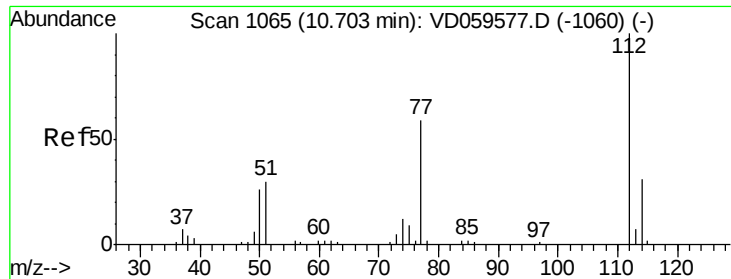
Tot Ion:117 Resp: 166462
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.2
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 51.859 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion:164 Resp: 78228
Ion Ratio Lower Upper
164 100
166 125.7 104.0 156.0
129 83.4 72.2 108.4
131 85.1 67.7 101.5

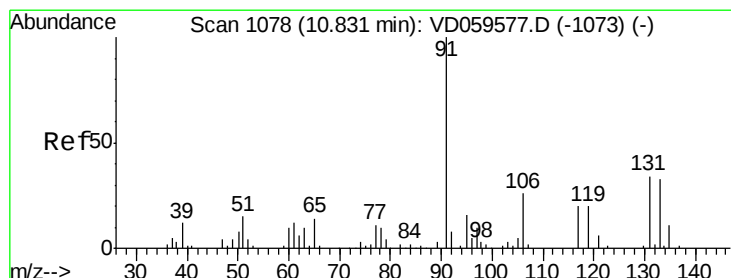
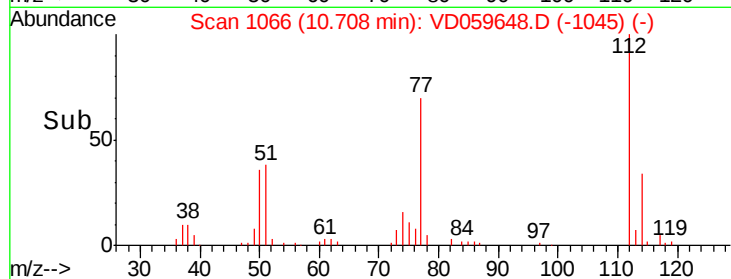
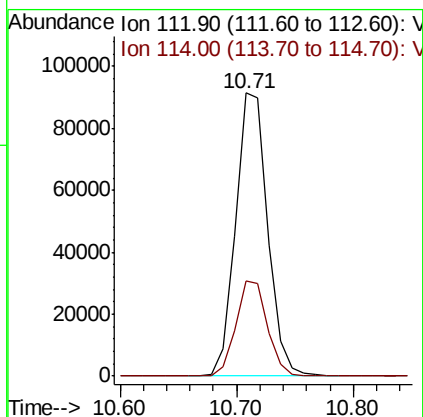
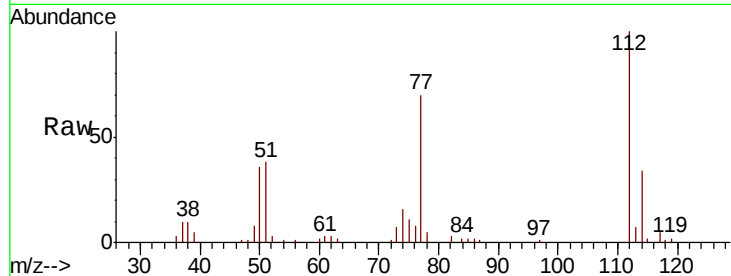




#65
Chlorobenzene
Concen: 50.746 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

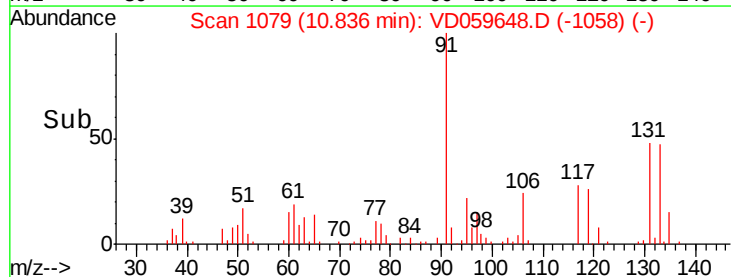
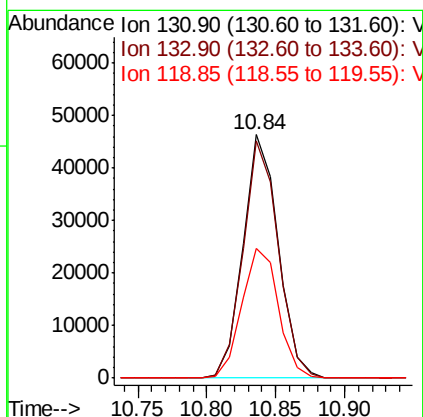
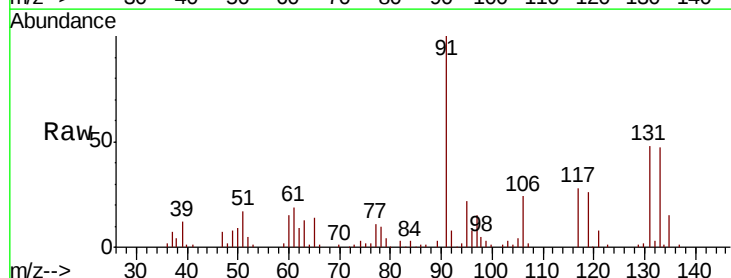
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

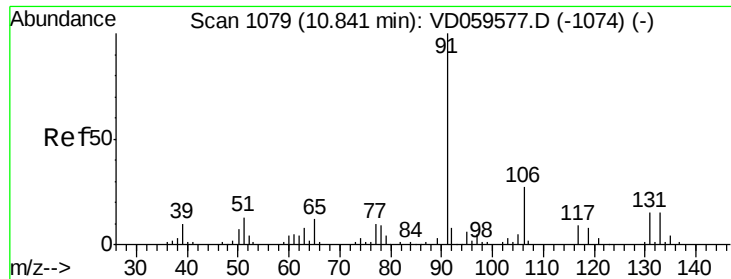
Tot Ion:112 Resp: 173163
Ion Ratio Lower Upper
112 100
114 33.7 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.576 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion:131 Resp: 82492
Ion Ratio Lower Upper
131 100
133 97.4 47.9 143.7
119 53.3 28.7 86.1

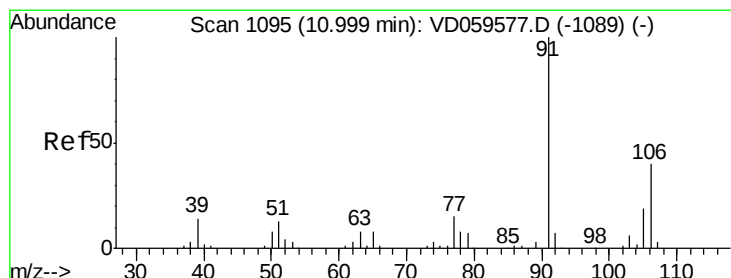
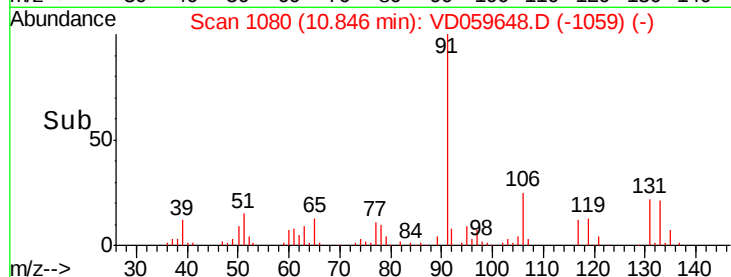
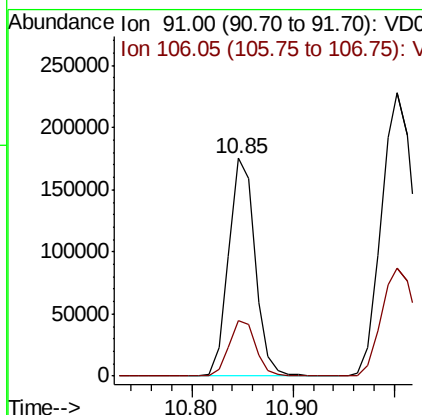
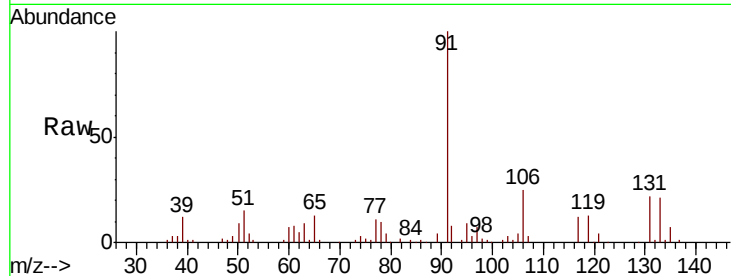




#67
Ethyl Benzene
Concen: 54.193 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

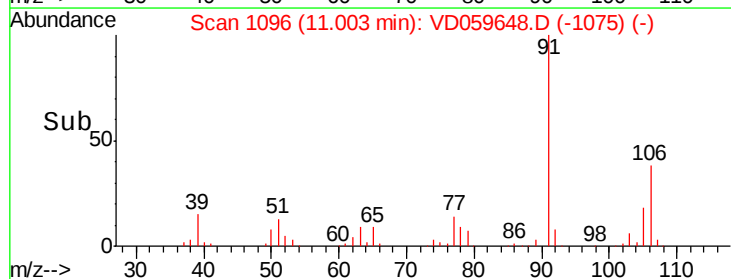
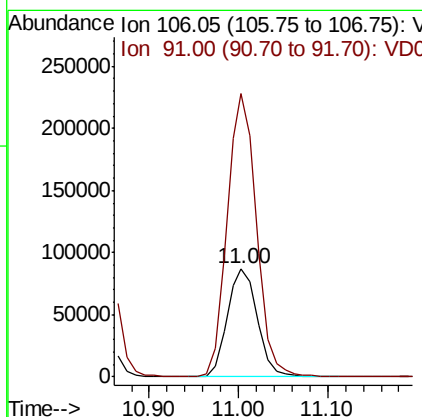
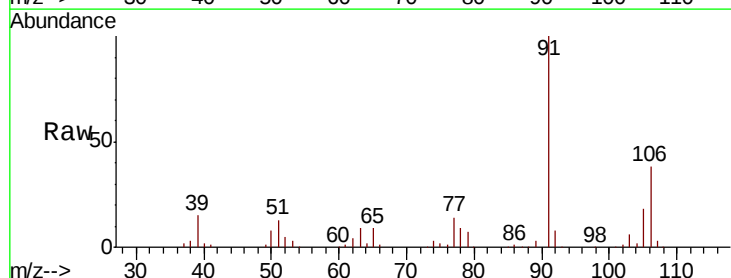
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 317891
Ion Ratio Lower Upper
91 100
106 25.3 21.6 32.4



#68
m/p-Xylenes
Concen: 104.906 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 106 Resp: 205518
Ion Ratio Lower Upper
106 100
91 261.0 198.2 297.4

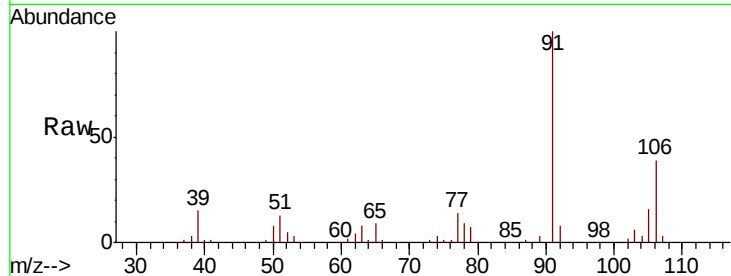




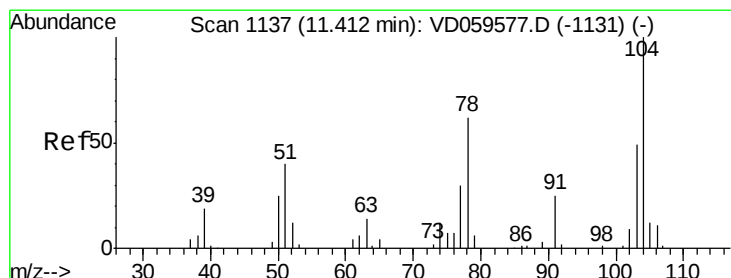
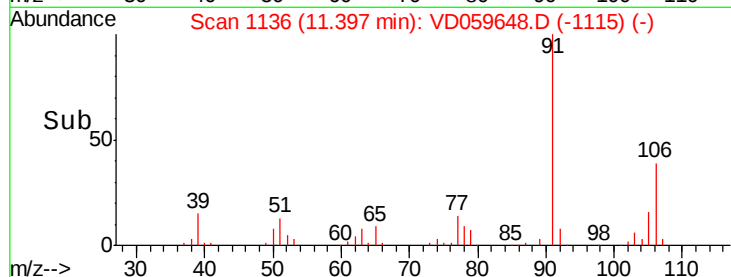
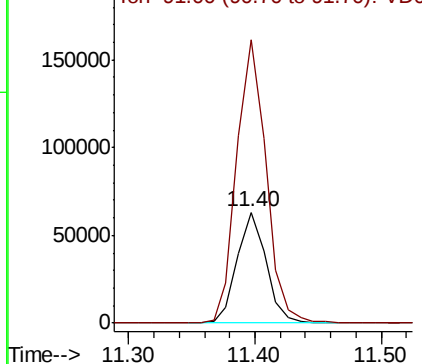
#69
o-Xylene
Concen: 53.099 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 100940
Ion Ratio Lower Upper
106 100
91 254.7 122.7 368.1

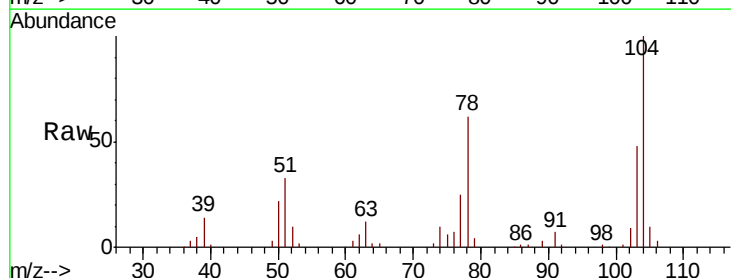


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

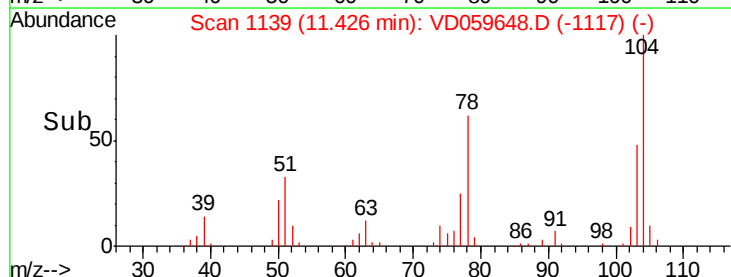
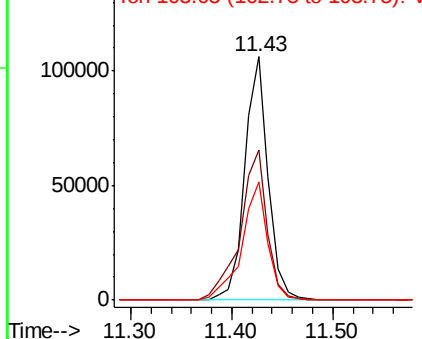


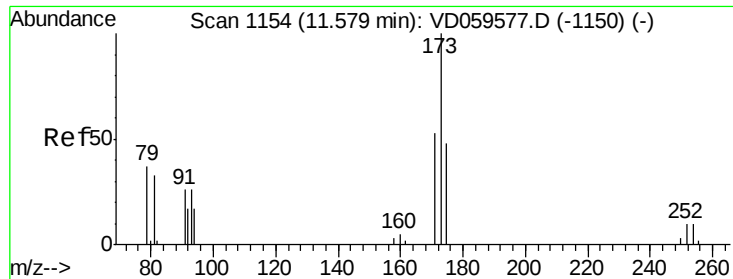
#70
Styrene
Concen: 54.251 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion:104 Resp: 170994
Ion Ratio Lower Upper
104 100
78 61.6 49.4 74.0
103 48.5 39.0 58.6



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





#71

Bromoform

Concen: 55.347 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

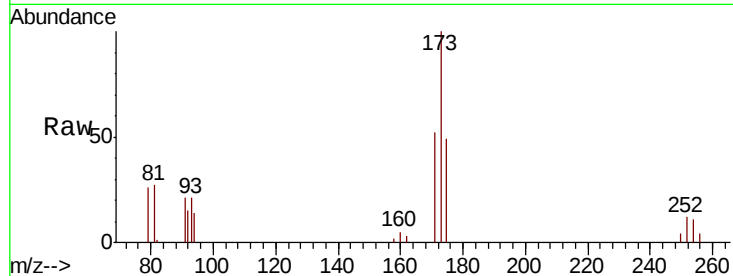
Tot Ion:173 Resp: 66895

Ion Ratio Lower Upper

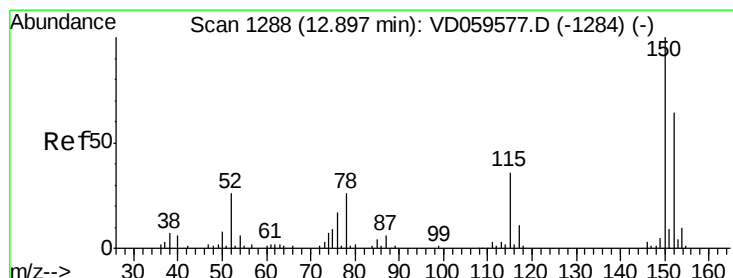
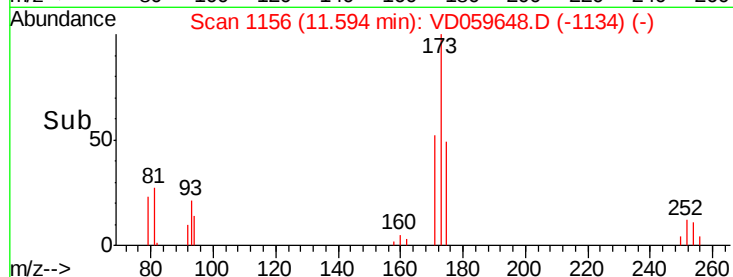
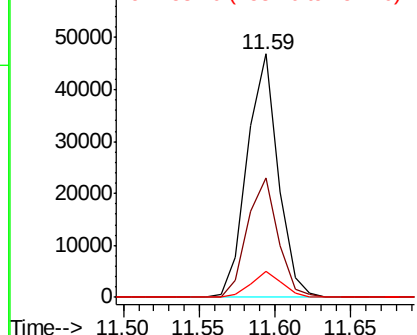
173 100

175 49.3 23.8 71.4

254 10.7 7.8 11.6



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: 12.90 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

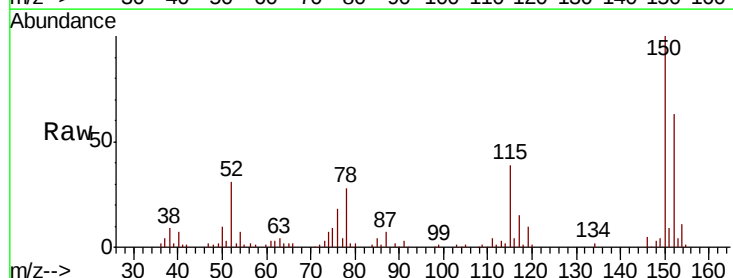
Tgt Ion:152 Resp: 90990

Ion Ratio Lower Upper

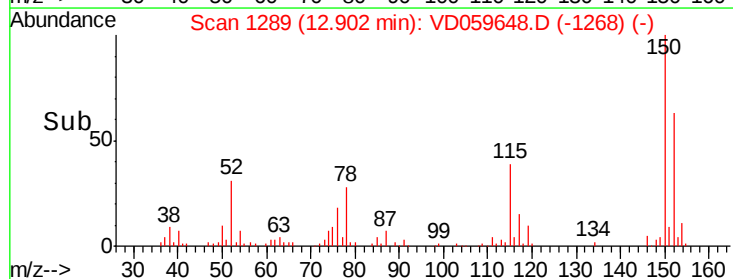
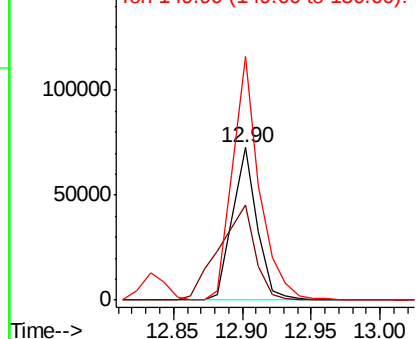
152 100

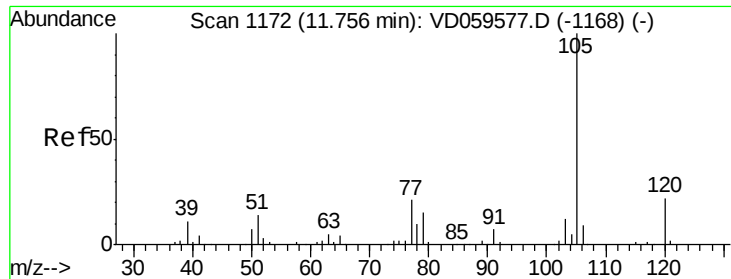
115 62.4 29.5 88.6

150 159.6 0.0 314.4



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: 48.980 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

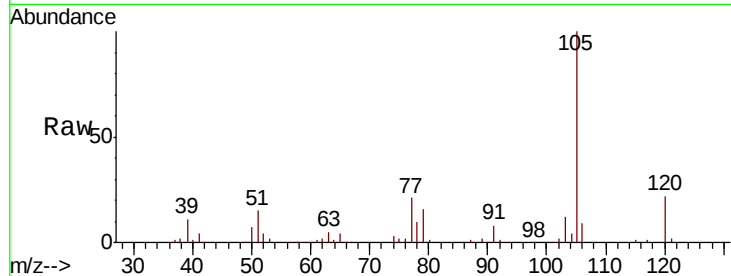
VSTDCCC050

Tot Ion:105 Resp: 314841

Ion Ratio Lower Upper

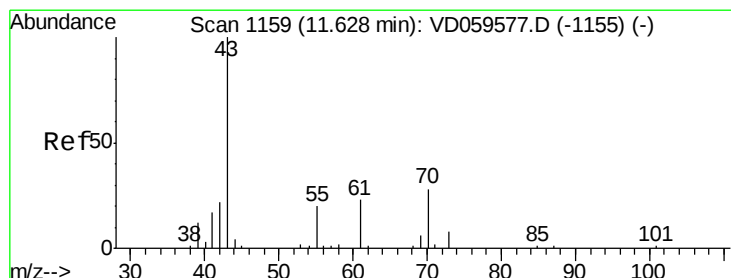
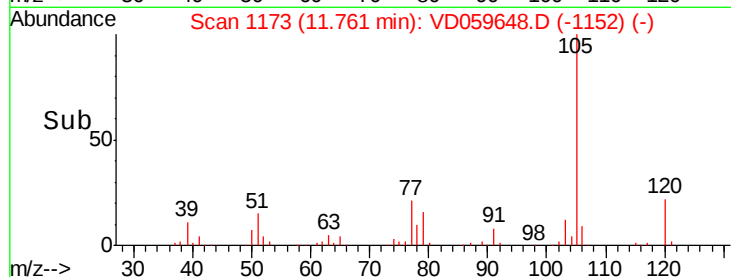
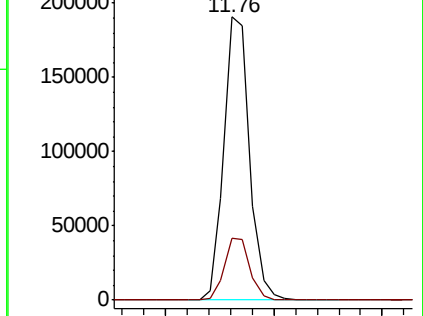
105 100

120 21.8 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.823 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Tgt Ion: 43 Resp: 107527

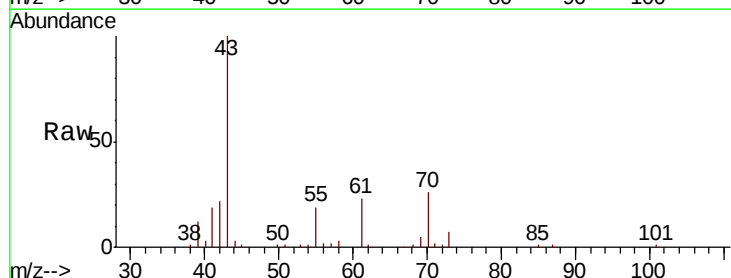
Ion Ratio Lower Upper

43 100

70 26.2 22.0 33.0

55 18.8 16.2 24.2

61 22.7 18.6 27.8

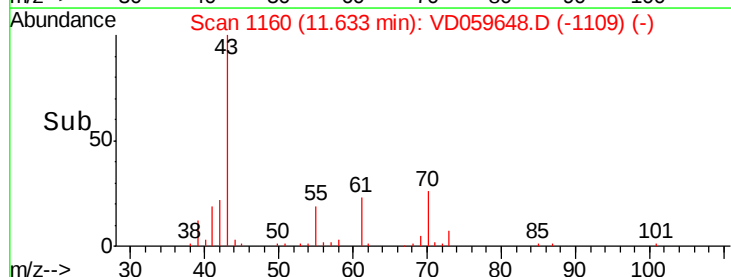
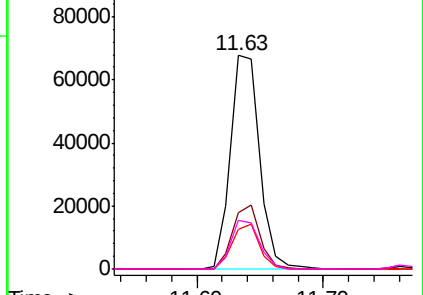


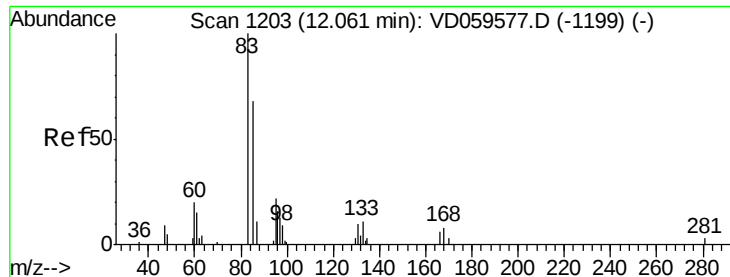
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 47.998 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

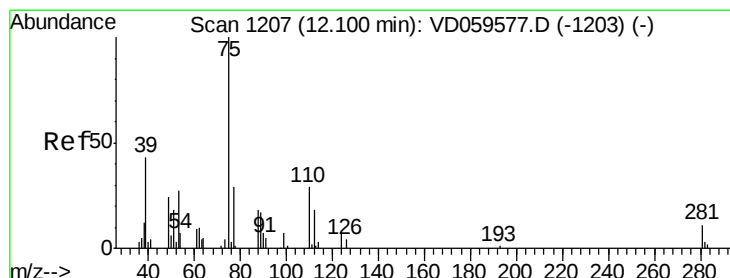
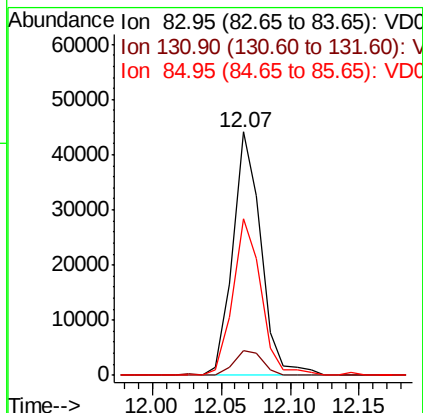
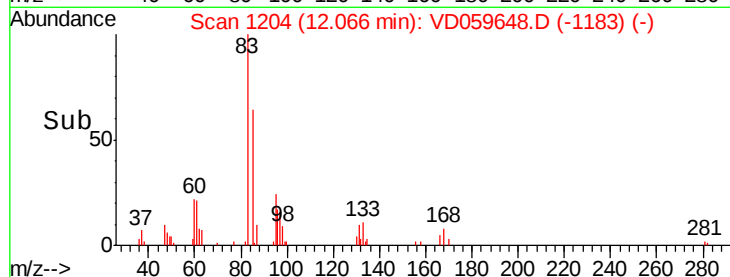
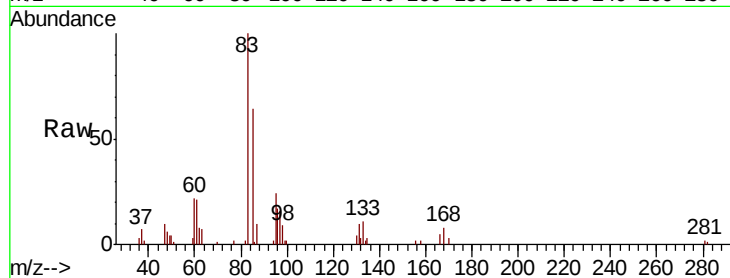
Tot Ion: 83 Resp: 62990

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.2

85 64.3 34.1 102.3



#76

1,2,3-Trichloropropane

Concen: 48.763 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD059648.D

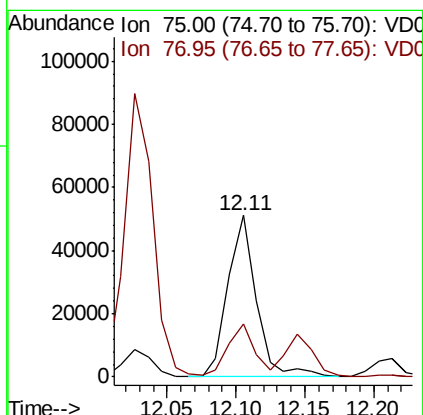
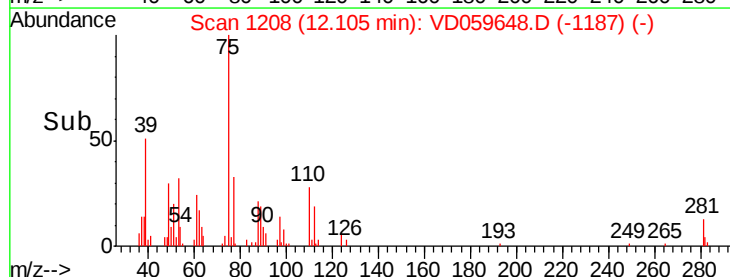
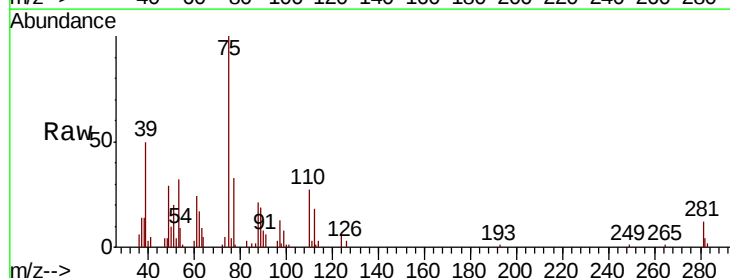
Acq: 31 Jul 2018 12:04

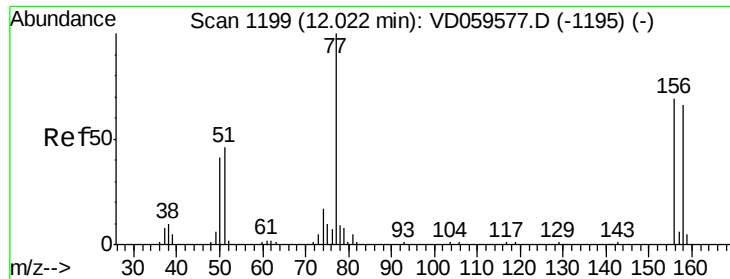
Tgt Ion: 75 Resp: 73374

Ion Ratio Lower Upper

75 100

77 32.7 15.6 46.7





#77

Bromobenzene

Concen: 49.865 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

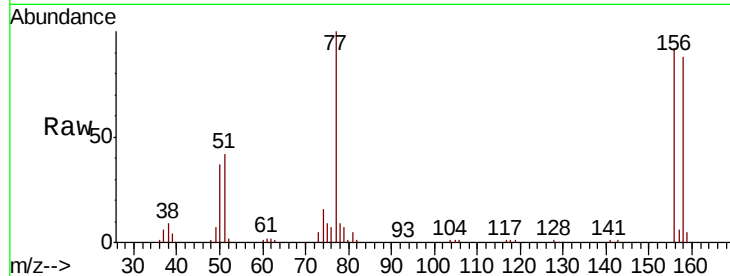
Tot Ion:156 Resp: 93830

Ion Ratio Lower Upper

156 100

77 109.0 72.4 217.2

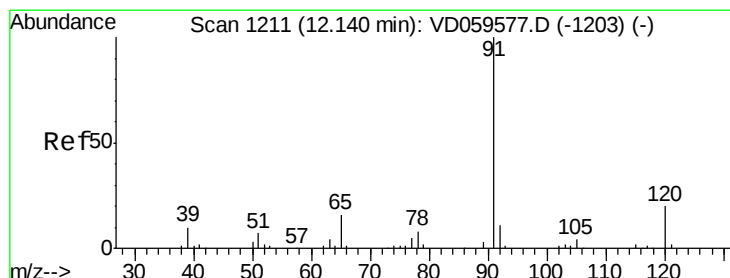
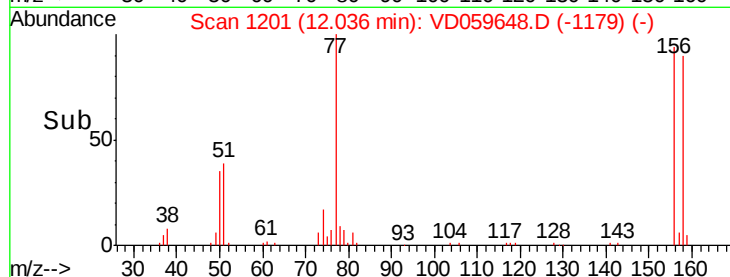
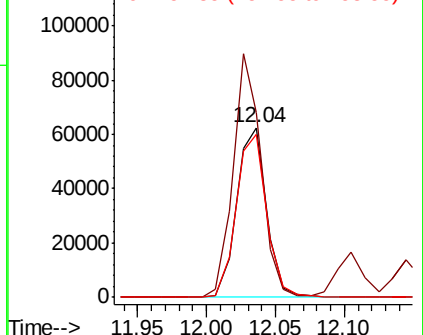
158 95.8 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.302 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059648.D

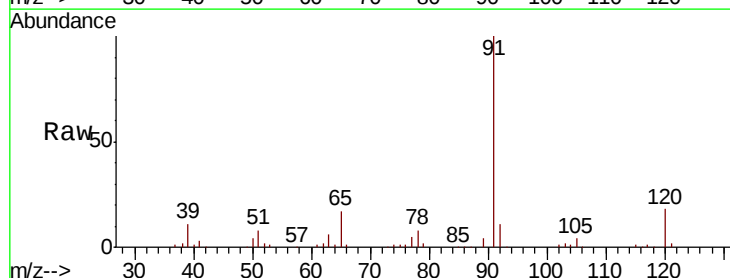
Acq: 31 Jul 2018 12:04

Tgt Ion: 91 Resp: 377244

Ion Ratio Lower Upper

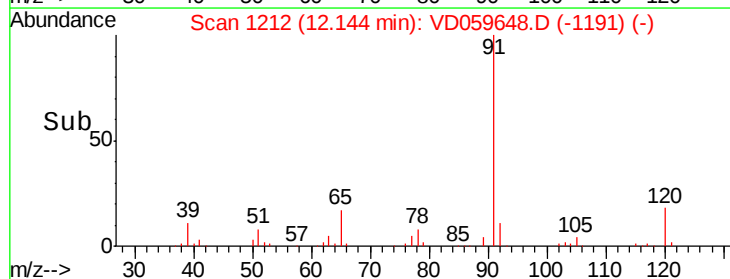
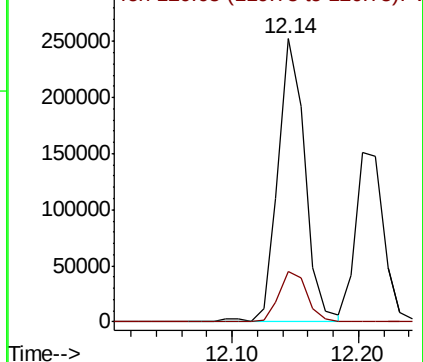
91 100

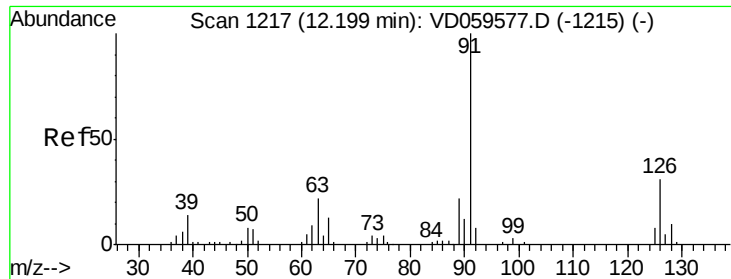
120 17.7 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

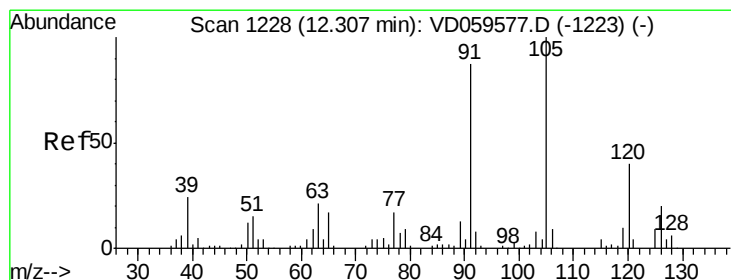
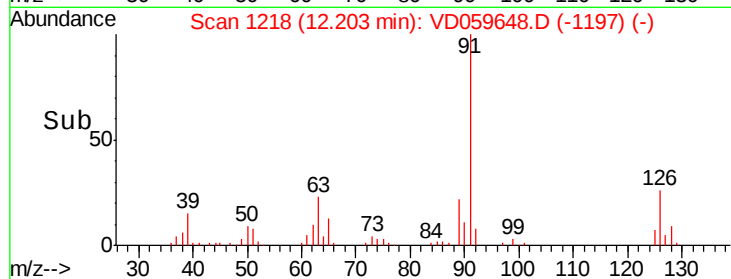
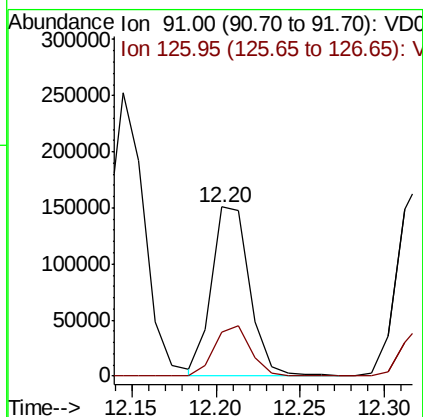
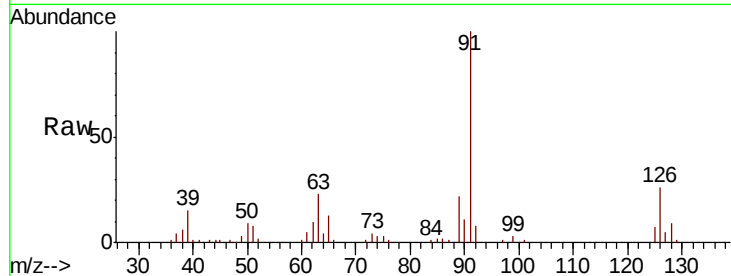




#79
2-Chlorotoluene
Concen: 49.947 ug/l
RT: 12.20 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

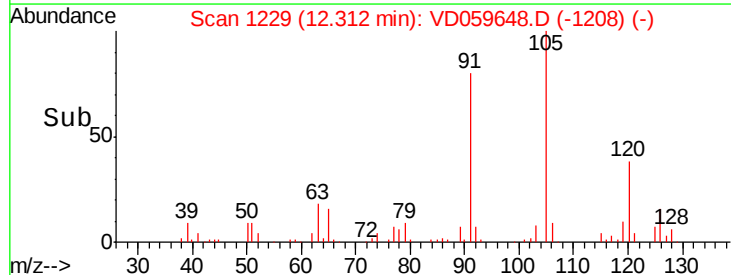
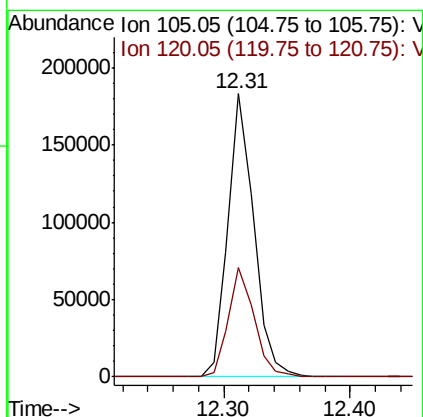
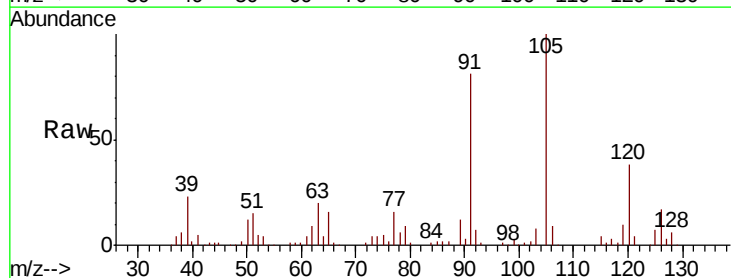
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

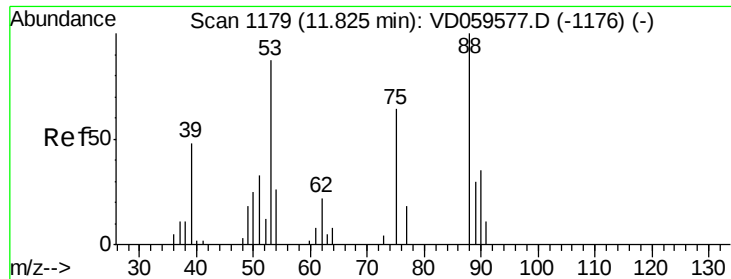
Tot Ion: 91 Resp: 232573
Ion Ratio Lower Upper
91 100
126 26.1 14.5 43.6



#80
1,3,5-Trimethylbenzene
Concen: 51.067 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 105 Resp: 259169
Ion Ratio Lower Upper
105 100
120 38.5 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.464 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059648.D

Acq: 31 Jul 2018 12:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

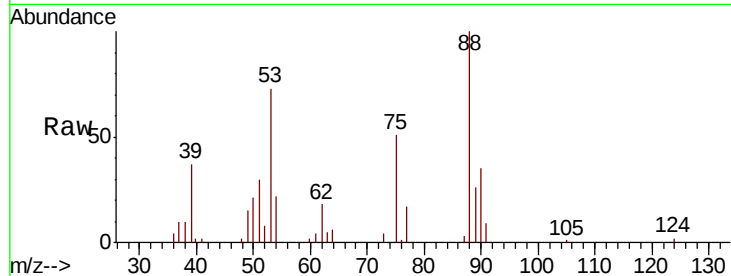
Tot Ion: 75 Resp: 19414

Ion Ratio Lower Upper

75 100

53 142.3 107.7 161.5

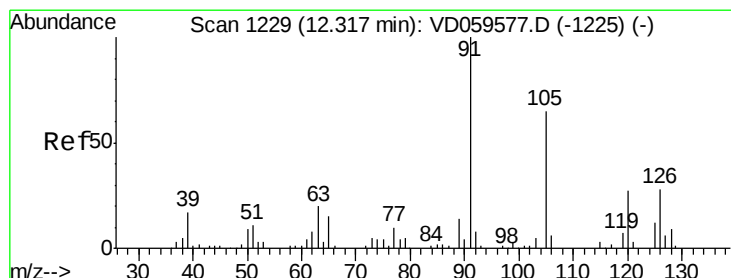
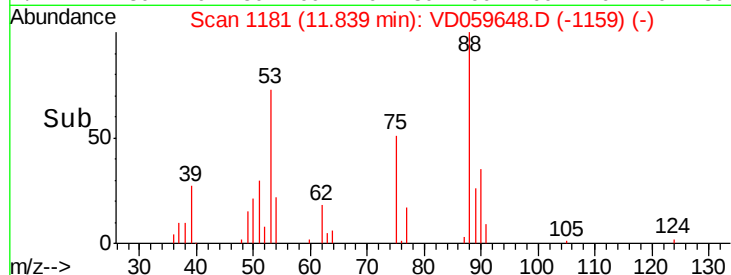
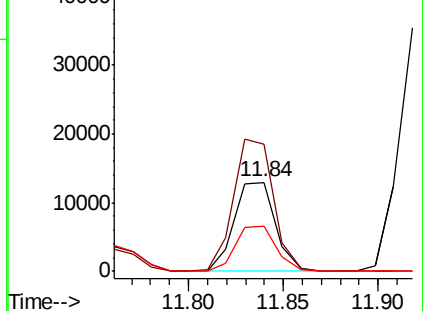
89 50.5 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 50.731 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059648.D

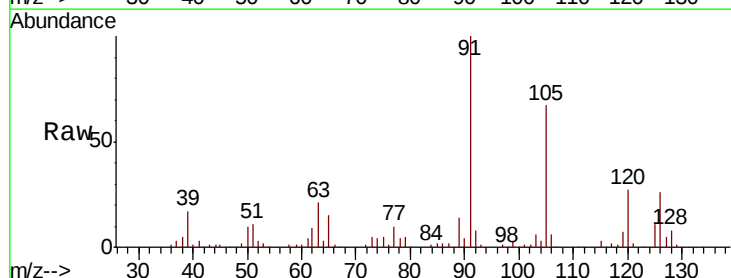
Acq: 31 Jul 2018 12:04

Tgt Ion: 91 Resp: 267146

Ion Ratio Lower Upper

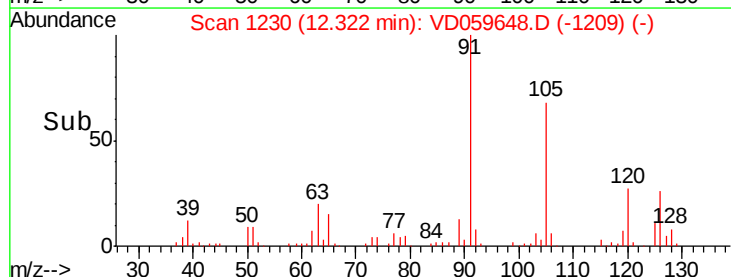
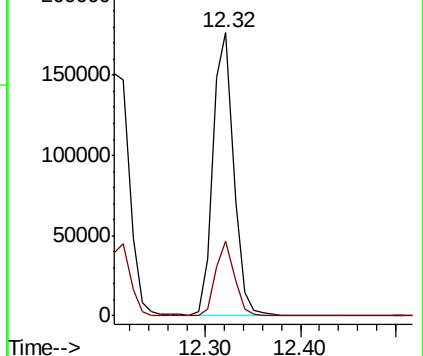
91 100

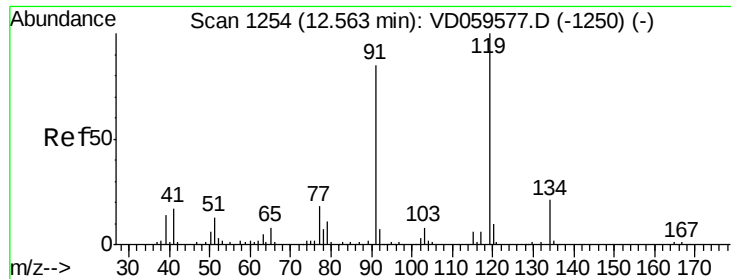
126 26.3 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

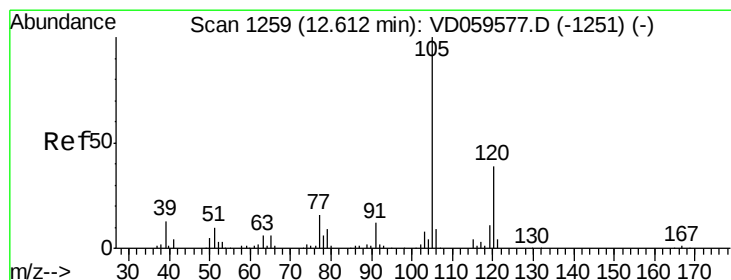
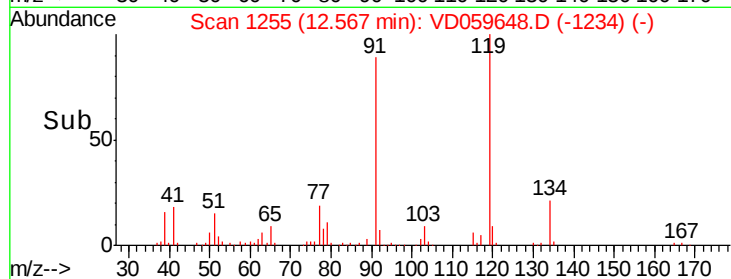
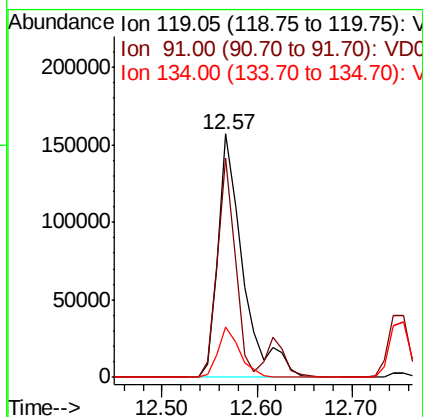
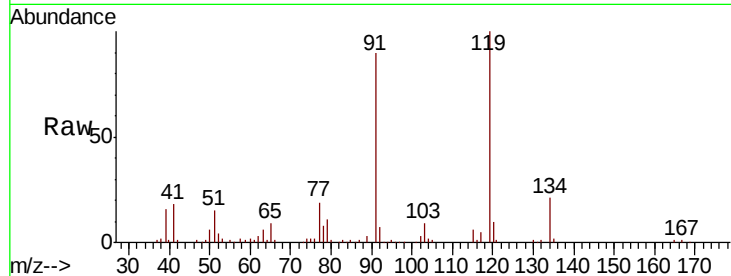




#83
 tert-Butylbenzene
 Concen: 50.395 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

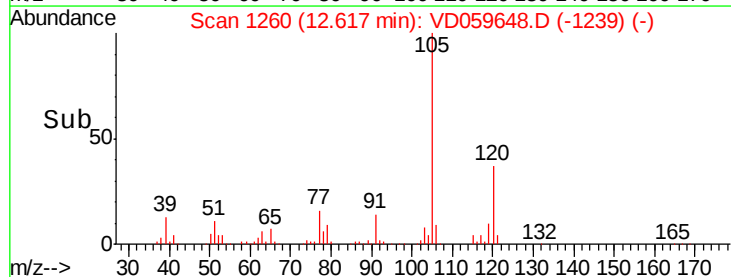
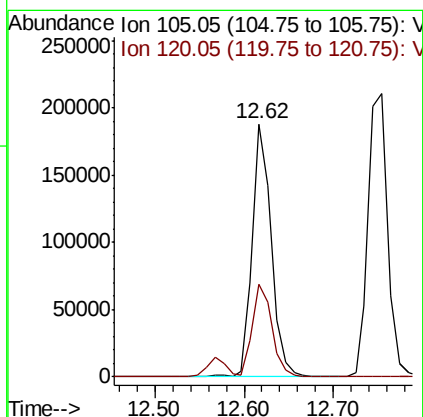
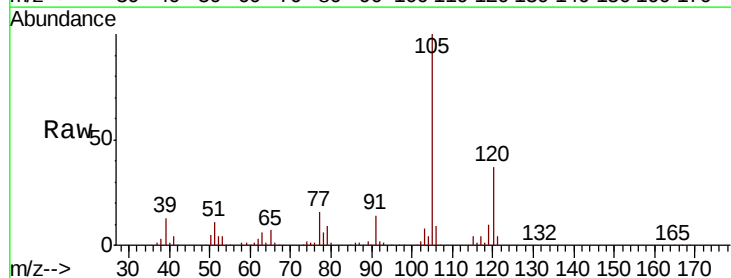
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

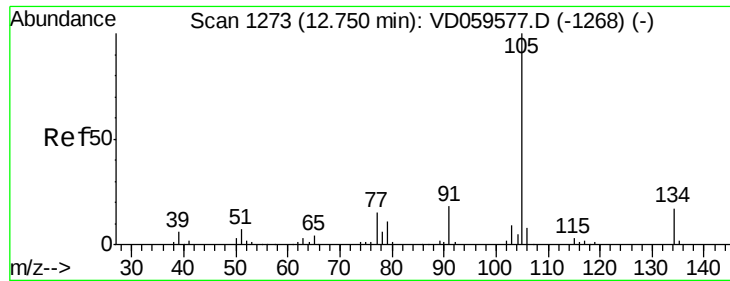
Tot Ion:119 Resp: 287932
 Ion Ratio Lower Upper
 119 100
 91 90.1 42.5 127.5
 134 20.6 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.095 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion:105 Resp: 275651
 Ion Ratio Lower Upper
 105 100
 120 36.7 19.3 57.9

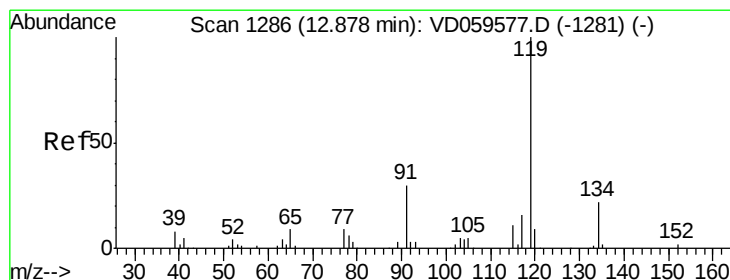
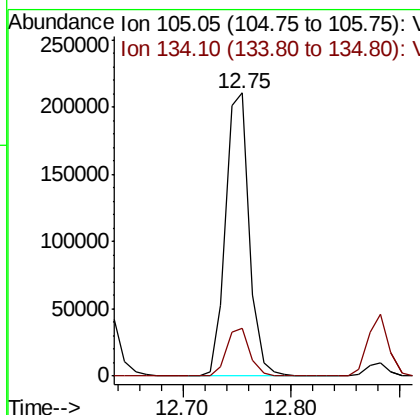
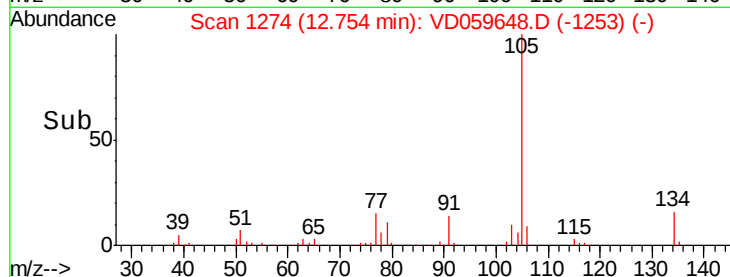
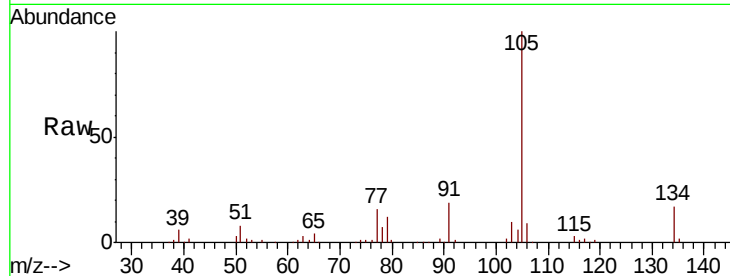




#85
 sec-Butylbenzene
 Concen: 49.116 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

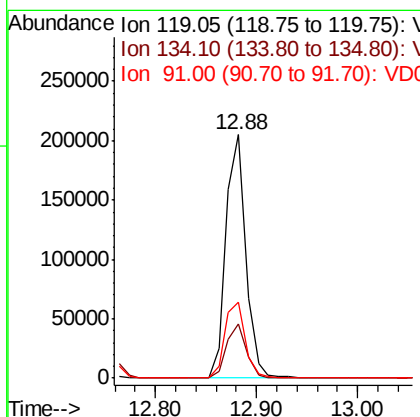
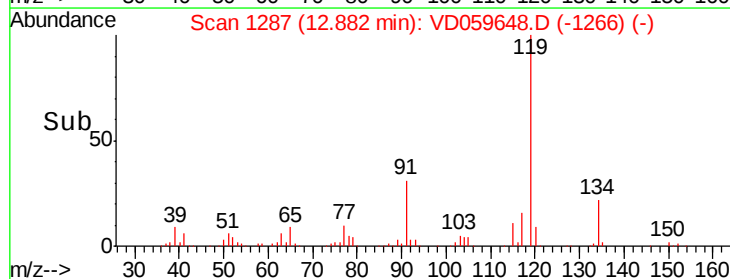
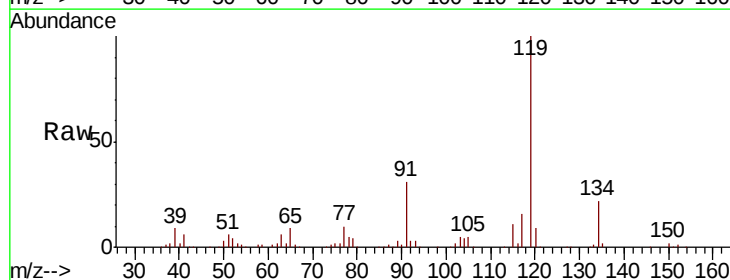
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

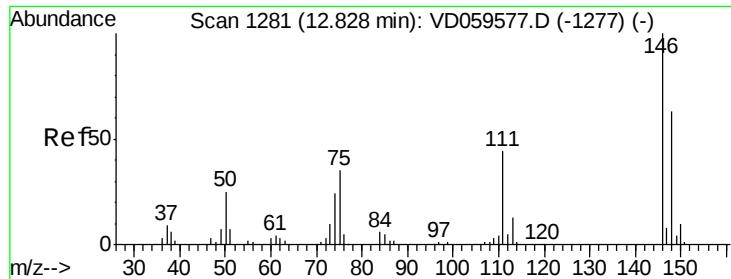
Tot Ion:105 Resp: 320676
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 50.997 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion:119 Resp: 280606
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.2 33.6
 91 31.2 15.0 45.1

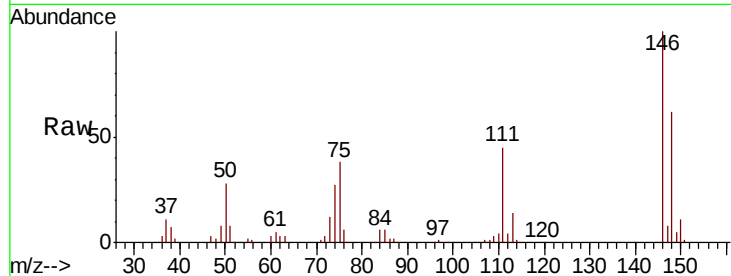




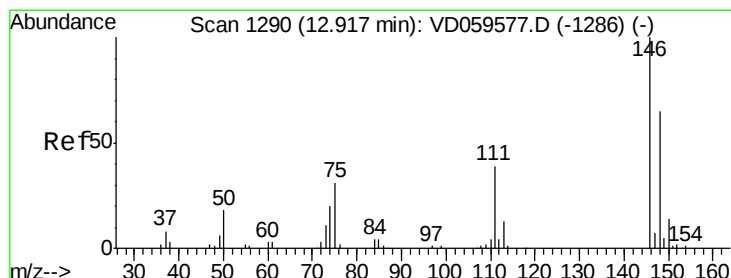
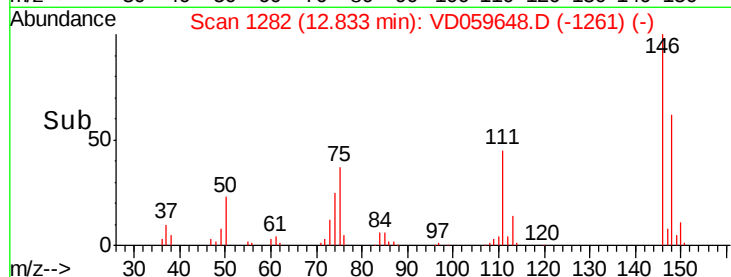
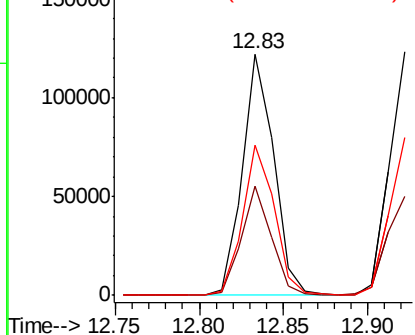
#87
 1,3-Dichlorobenzene
 Concen: 49.698 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 158164
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.2 66.6
 148 62.0 31.8 95.3

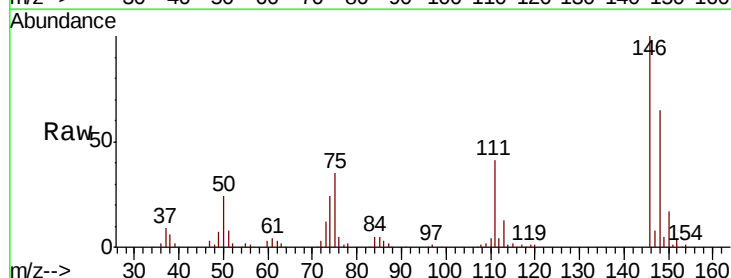


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

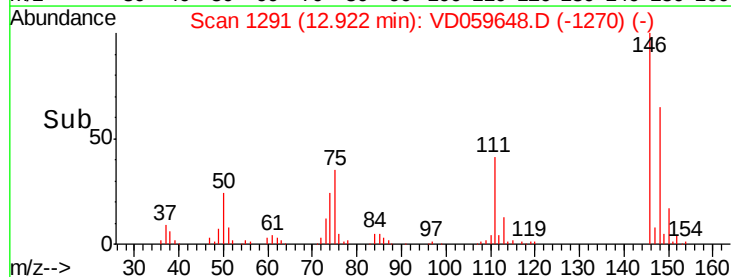
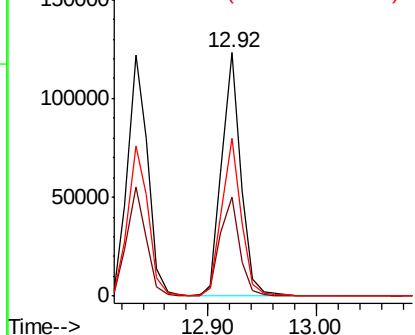


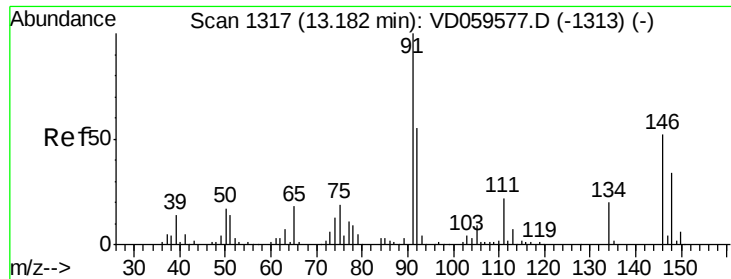
#88
 1,4-Dichlorobenzene
 Concen: 49.754 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion:146 Resp: 152549
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.3 57.9
 148 64.7 32.4 97.2



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

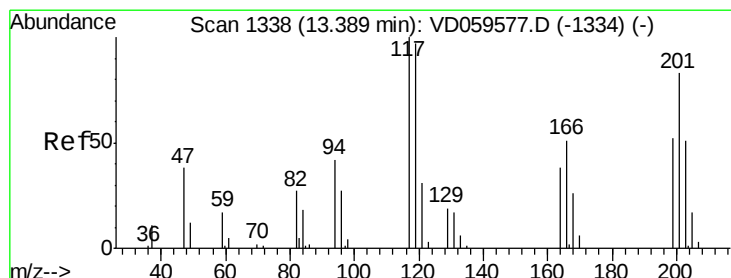
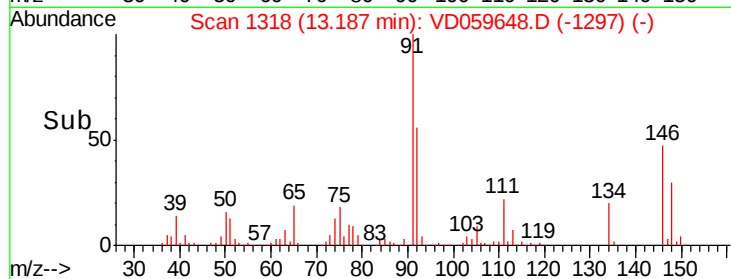
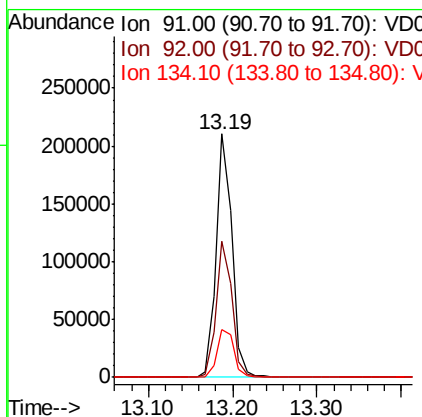
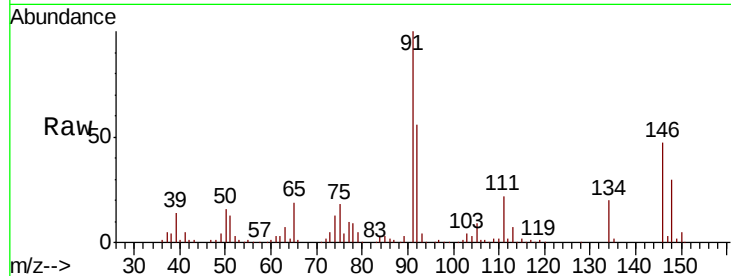




#89
n-Butylbenzene
Concen: 51.786 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

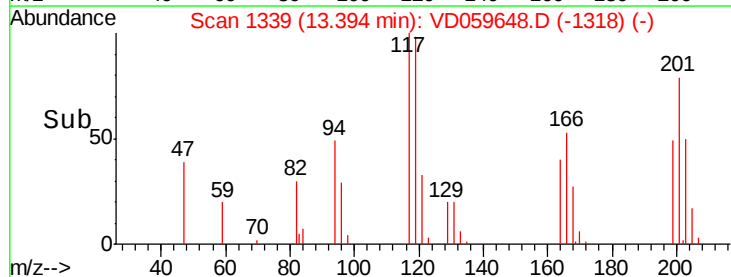
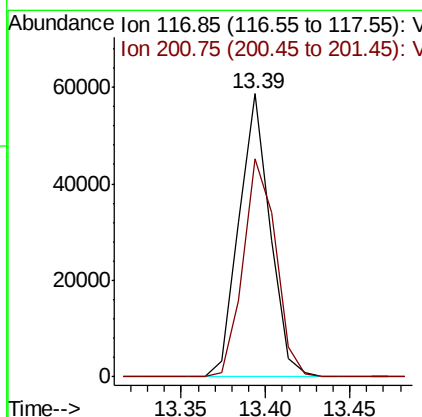
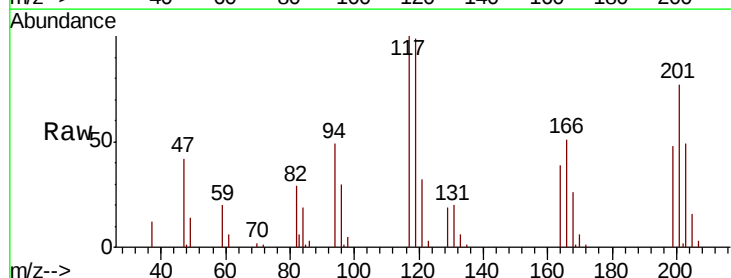
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

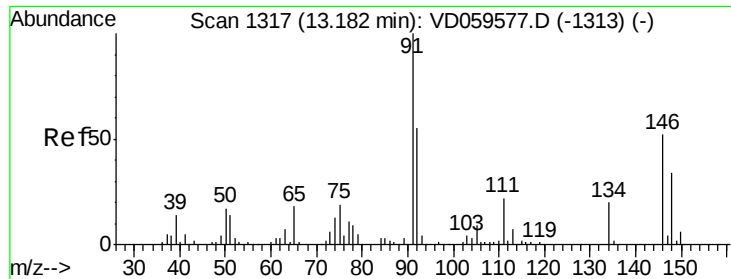
Tot Ion: 91 Resp: 275110
Ion Ratio Lower Upper
91 100
92 56.1 27.6 82.7
134 19.5 10.1 30.3



#90
Hexachloroethane
Concen: 50.866 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion: 117 Resp: 74789
Ion Ratio Lower Upper
117 100
201 77.0 41.5 124.5

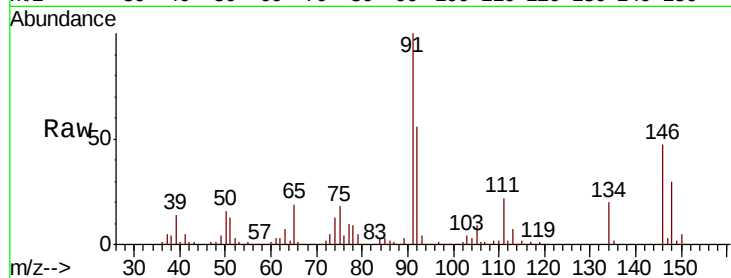




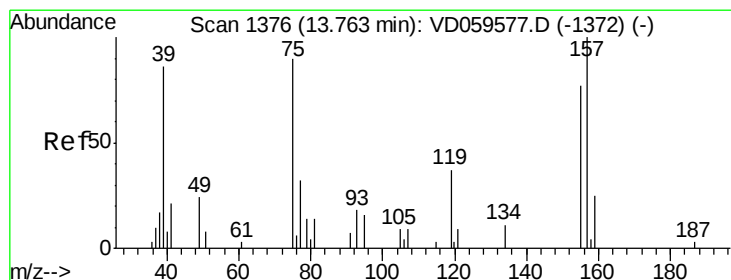
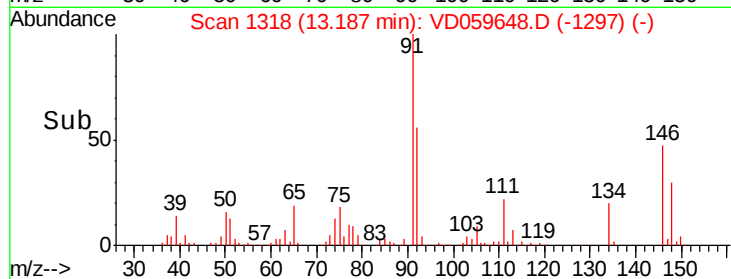
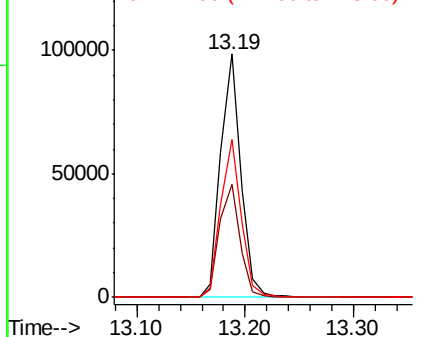
#91
 1,2-Dichlorobenzene
 Concen: 48.000 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 128174
 Ion Ratio Lower Upper
 146 100
 111 46.4 21.4 64.3
 148 64.7 32.6 98.0

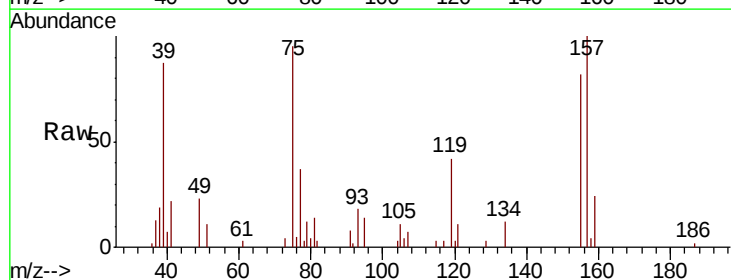


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

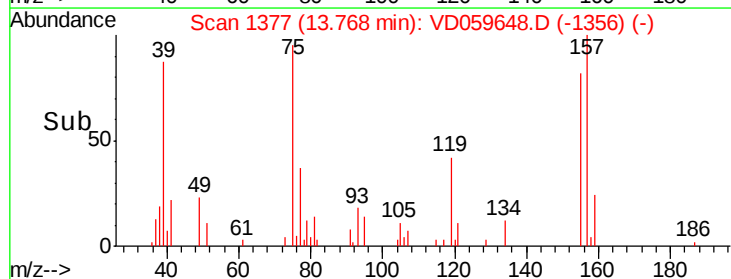
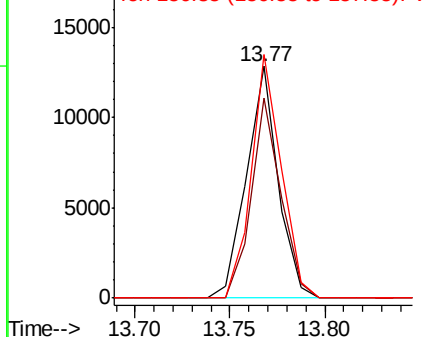


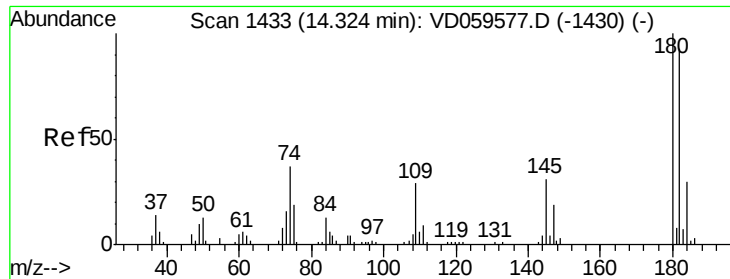
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.761 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion: 75 Resp: 14753
 Ion Ratio Lower Upper
 75 100
 155 86.6 42.5 127.5
 157 105.1 55.5 166.3



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

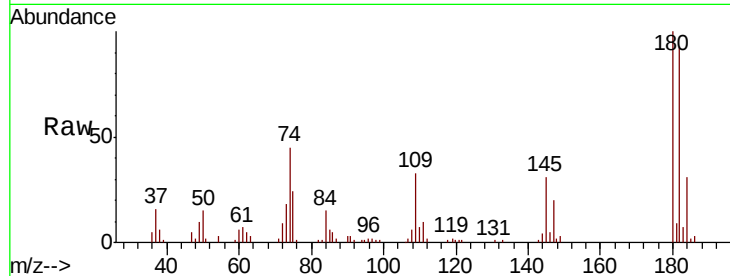




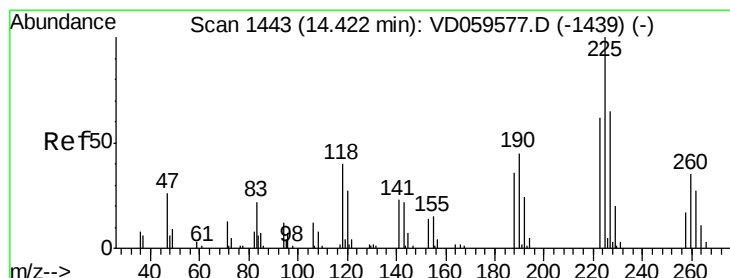
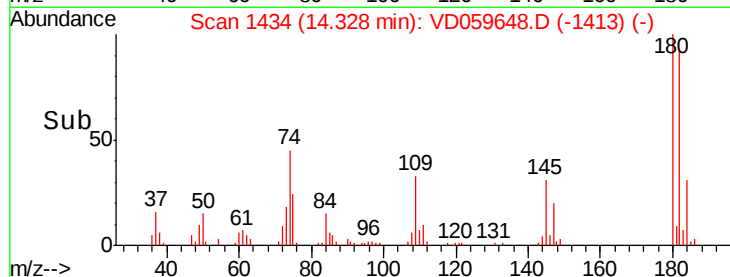
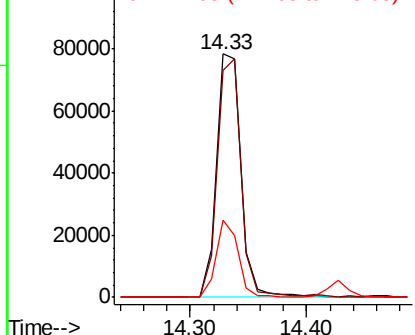
#93
 1,2,4-Trichlorobenzene
 Concen: 51.219 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 113259
 Ion Ratio Lower Upper
 180 100
 182 93.1 46.4 139.2
 145 31.5 15.7 47.0

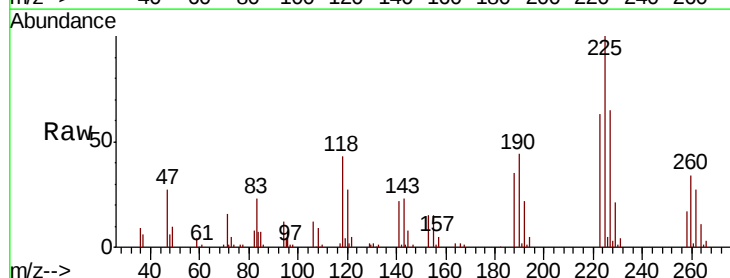


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

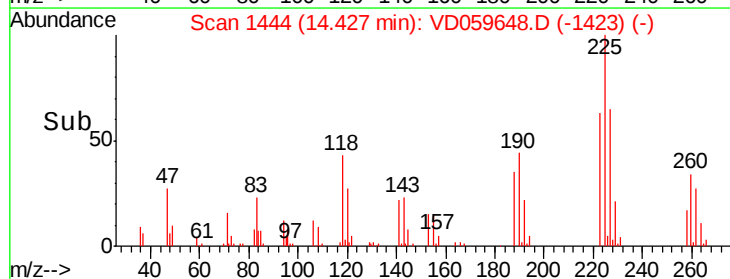
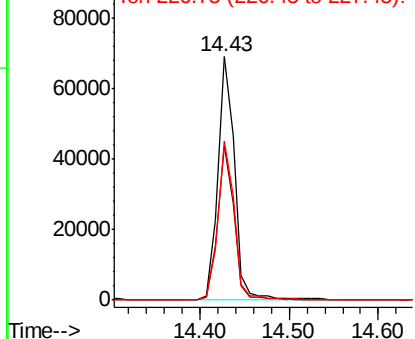


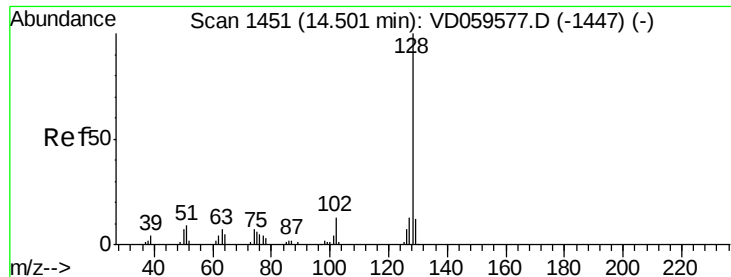
#94
 Hexachlorobutadiene
 Concen: 52.025 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059648.D
 Acq: 31 Jul 2018 12:04

Tgt Ion:225 Resp: 90747
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.5
 227 65.2 32.4 97.2



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

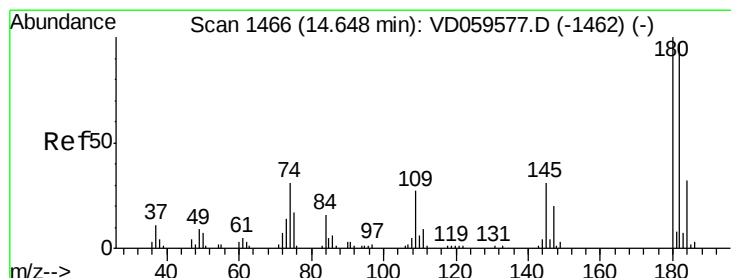
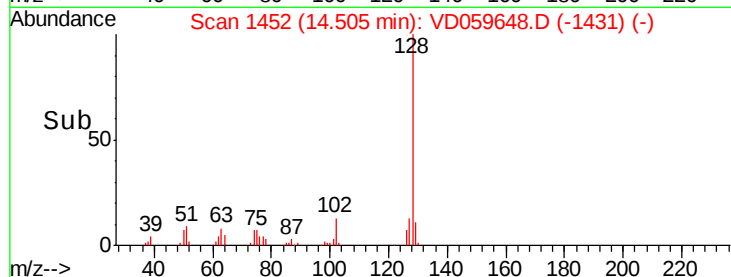
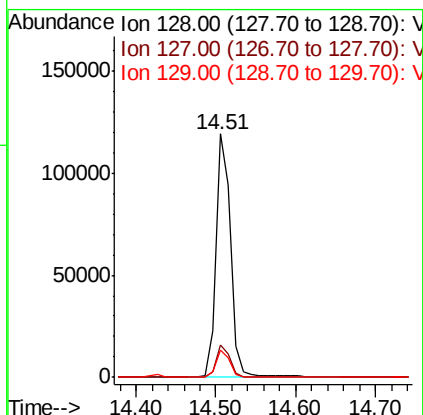
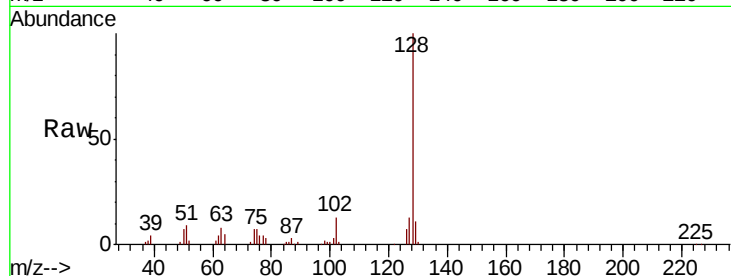




#95
Naphthalene
Concen: 48.990 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 154068
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 49.937 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059648.D
Acq: 31 Jul 2018 12:04

Tgt Ion:180 Resp: 99922
Ion Ratio Lower Upper
180 100
182 98.3 48.6 145.9
145 33.2 15.6 46.7

