

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061601.D
 Acq On : 5 Apr 2019 3:51
 Operator : VA/AP
 Sample : VD0404SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Quant Time: Apr 05 04:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	471371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	782657	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	697626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	326043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	222940	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	6.89	113	316344	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
50) Toluene-d8	10.39	98	744668	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	13.54	95	312989	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	104529	20.764	ug/l	97
3) Chloromethane	1.75	50	93618	22.803	ug/l	99
4) Vinyl Chloride	1.84	62	83716	22.208	ug/l	100
5) Bromomethane	2.14	94	17234	23.055	ug/l	88
6) Chloroethane	2.25	64	26062	23.576	ug/l	97
7) Trichlorofluoromethane	2.51	101	131054	23.908	ug/l	99
8) Diethyl Ether	2.86	74	36975	20.950	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.13	101	127658	21.662	ug/l	94
10) Methyl Iodide	3.29	142	175347	21.682	ug/l	99
11) Tert butyl alcohol	4.03	59	28531	113.775	ug/l	97
12) 1,1-Dichloroethene	3.11	96	109109	21.565	ug/l	97
13) Acrolein	3.02	56	13184	50.740	ug/l	99
14) Allyl chloride	3.60	41	155754	22.071	ug/l	97
15) Acrylonitrile	4.17	53	98095	112.706	ug/l	91
16) Acetone	3.20	43	99089	95.728	ug/l	94
17) Carbon Disulfide	3.36	76	329056	20.017	ug/l	99
18) Methyl Acetate	3.62	43	56244	25.843	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	204965	23.403	ug/l	99
20) Methylene Chloride	3.79	84	155277	25.851	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	120000	21.968	ug/l	97
22) Diisopropyl ether	5.08	45	345184	23.115	ug/l	96
23) Vinyl Acetate	5.02	43	931146	114.790	ug/l	98
24) 1,1-Dichloroethane	4.95	63	208786	23.790	ug/l	98
25) 2-Butanone	6.04	43	145345	111.625	ug/l	97
26) 2,2-Dichloropropane	5.99	77	151381	21.698	ug/l	100
27) cis-1,2-Dichloroethene	6.01	96	138359	23.118	ug/l	95
28) Bromochloromethane	6.41	49	73986	20.884	ug/l #	85
29) Tetrahydrofuran	6.43	42	69771	110.552	ug/l	98
30) Chloroform	6.64	83	227207	25.055	ug/l	96
31) Cyclohexane	6.92	56	144740	20.870	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	187531	23.441	ug/l	98
36) 1,1-Dichloropropene	7.12	75	156299	22.881	ug/l	97
37) Ethyl Acetate	6.15	43	65098	22.283	ug/l	95
38) Carbon Tetrachloride	7.08	117	183803	23.416	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061601.D
 Acq On : 5 Apr 2019 3:51
 Operator : VA/AP
 Sample : VD0404SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Quant Time: Apr 05 04:14:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	160996	22.630	ug/l	96
40) Benzene	7.43	78	405277	23.640	ug/l	95
41) Methacrylonitrile	6.41	41	79545	23.287	ug/l #	97
42) 1,2-Dichloroethane	7.54	62	134726	26.272	ug/l	97
43) Isopropyl Acetate	9.21	43	96785	22.770	ug/l	100
44) Trichloroethene	8.52	130	149628	23.453	ug/l	91
45) 1,2-Dichloropropane	8.91	63	100260	23.064	ug/l	100
46) Dibromomethane	9.04	93	70353	24.045	ug/l	97
47) Bromodichloromethane	9.34	83	168434	25.648	ug/l	97
48) Methyl methacrylate	9.09	41	60833	25.932	ug/l	96
49) 1,4-Dioxane	9.06	88	11813	456.553	ug/l #	80
51) 4-Methyl-2-Pentanone	10.28	43	316430	122.362	ug/l	98
52) Toluene	10.48	92	261790	25.031	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	134264	22.503	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	159500	21.954	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	83302	22.775	ug/l	95
56) Ethyl methacrylate	11.02	69	92665	23.583	ug/l	98
57) 1,3-Dichloropropane	11.38	76	126983	23.620	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	242810	126.889	ug/l	97
59) 2-Hexanone	11.51	43	239577	127.867	ug/l	100
60) Dibromochloromethane	11.66	129	140769	24.965	ug/l	99
61) 1,2-Dibromoethane	11.79	107	106820	25.221	ug/l	95
64) Tetrachloroethene	11.24	164	121209	22.138	ug/l	96
65) Chlorobenzene	12.38	112	321929	22.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	126798	22.970	ug/l	97
67) Ethyl Benzene	12.50	91	518557	23.829	ug/l	96
68) m/p-Xylenes	12.65	106	402290	48.801	ug/l	97
69) o-Xylene	13.04	106	182580	22.824	ug/l	99
70) Styrene	13.06	104	320769	23.003	ug/l	98
71) Bromoform	13.21	173	80673	23.054	ug/l	95
73) Isopropylbenzene	13.39	105	518863	22.865	ug/l	99
74) N-amyl acetate	13.25	43	137954	21.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	105175	21.971	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	100656	21.372	ug/l	92
77) Bromobenzene	13.66	156	147578	21.937	ug/l	87
78) n-propylbenzene	13.76	91	591914	21.315	ug/l	94
79) 2-Chlorotoluene	13.82	91	322257	21.372	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	422730	24.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	27519	19.163	ug/l #	87
82) 4-Chlorotoluene	13.93	91	390596	23.824	ug/l	93
83) tert-Butylbenzene	14.18	119	492416	22.379	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	398820	20.923	ug/l	98
85) sec-Butylbenzene	14.36	105	482192	20.628	ug/l	99
86) p-Isopropyltoluene	14.47	119	441645	22.344	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	227345	19.957	ug/l	93
88) 1,4-Dichlorobenzene	14.52	146	252479	22.727	ug/l	96
89) n-Butylbenzene	14.79	91	415938	22.927	ug/l	98
90) Hexachloroethane	15.00	117	105229	18.844	ug/l	89
91) 1,2-Dichlorobenzene	14.80	146	213020	22.797	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12948	23.062	ug/l	76

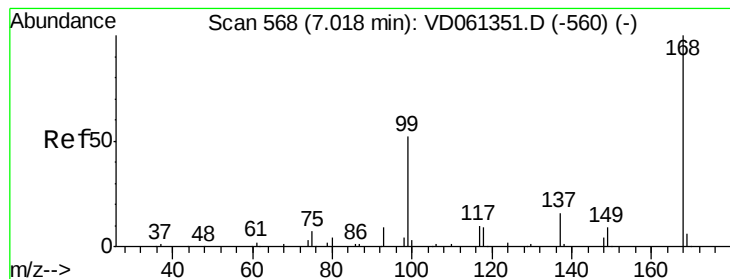
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061601.D
Acq On : 5 Apr 2019 3:51
Operator : VA/AP
Sample : VD0404SBS02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Quant Time: Apr 05 04:14:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	105263	24.729	ug/l	93
94) Hexachlorobutadiene	16.03	225	77422	23.276	ug/l	97
95) Naphthalene	16.11	128	161692	24.921	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	59077	31.540	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

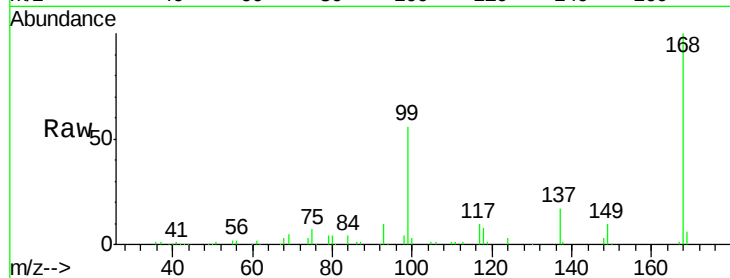
VD0404SBS02

Tot Ion:168 Resp: 471371

Ion Ratio Lower Upper

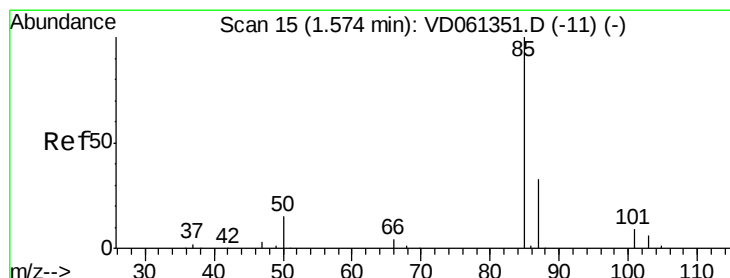
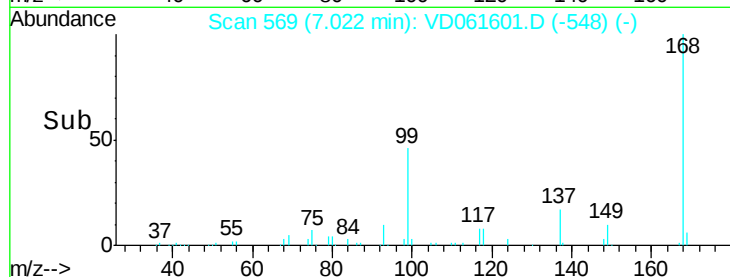
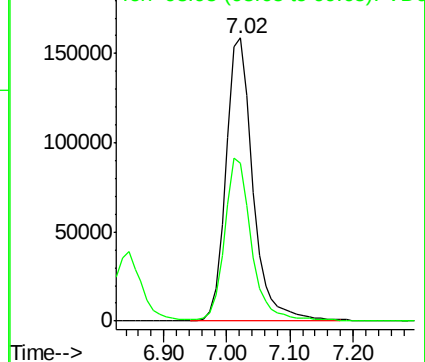
168 100

99 55.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.764 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061601.D

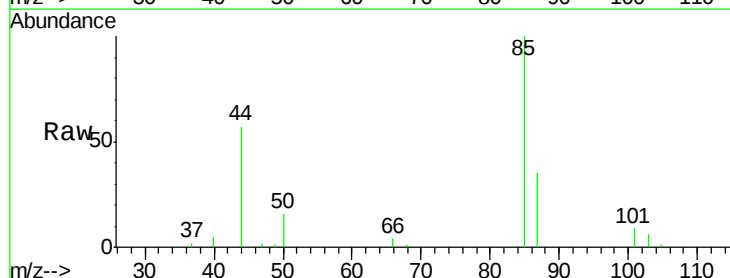
Acq: 5 Apr 2019 3:51

Tgt Ion: 85 Resp: 104529

Ion Ratio Lower Upper

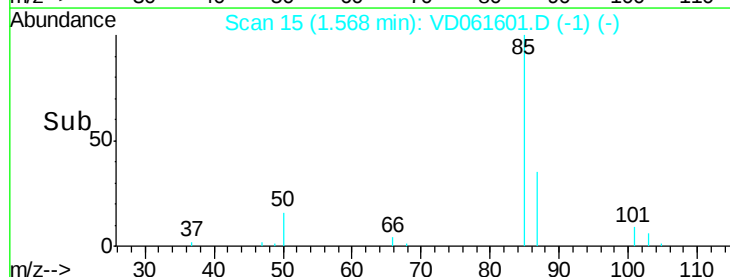
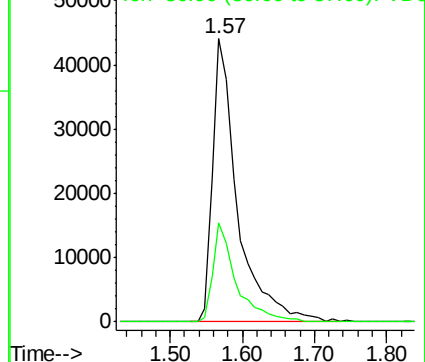
85 100

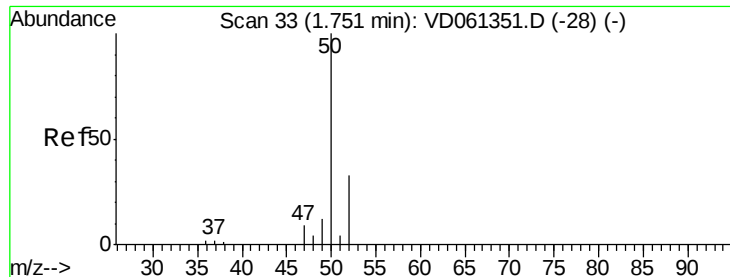
87 35.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.803 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

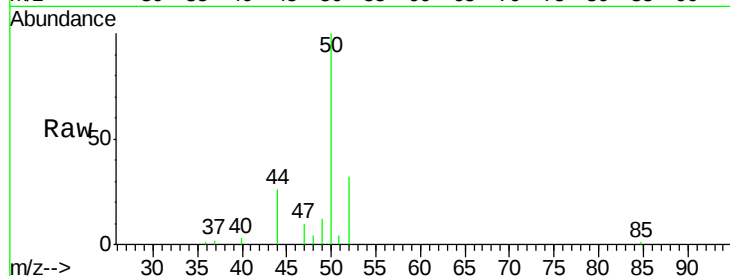
VD0404SBS02

Tot Ion: 50 Resp: 93618

Ion Ratio Lower Upper

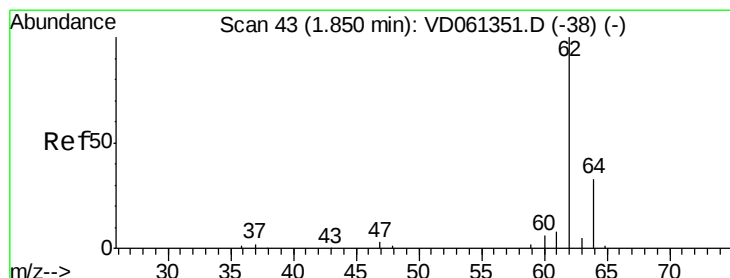
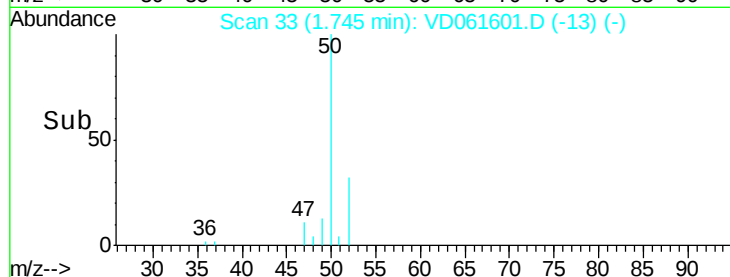
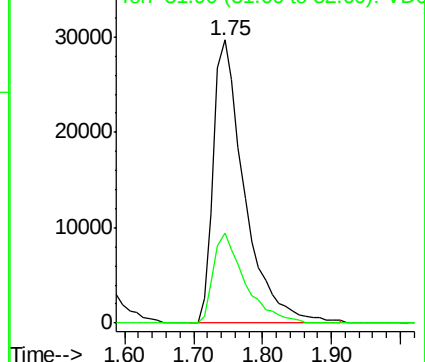
50 100

52 31.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.208 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061601.D

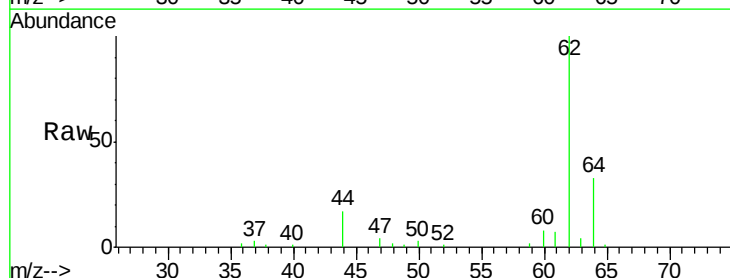
Acq: 5 Apr 2019 3:51

Tgt Ion: 62 Resp: 83716

Ion Ratio Lower Upper

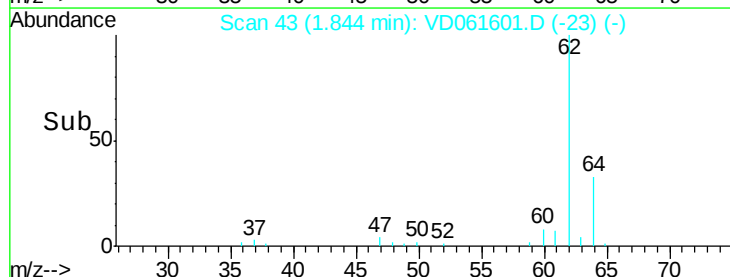
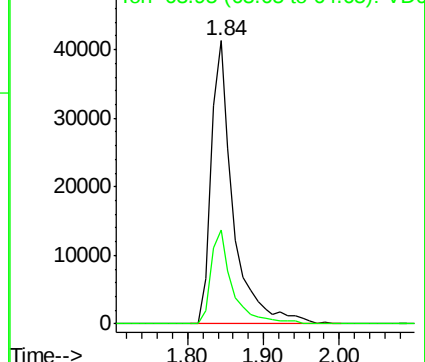
62 100

64 33.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.055 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

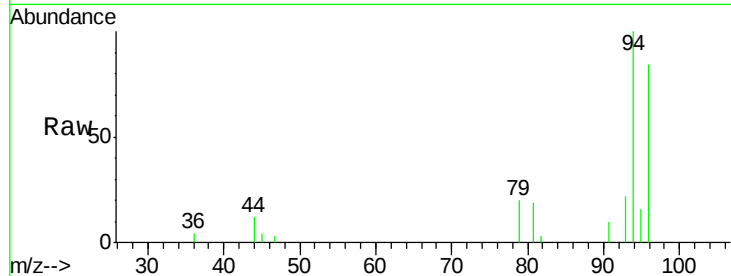
Tot Ion: 94 Resp: 17234

Ion Ratio Lower Upper

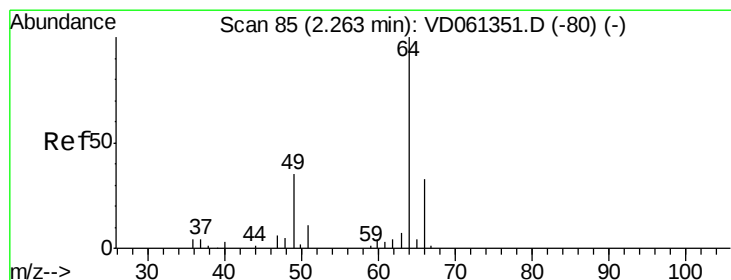
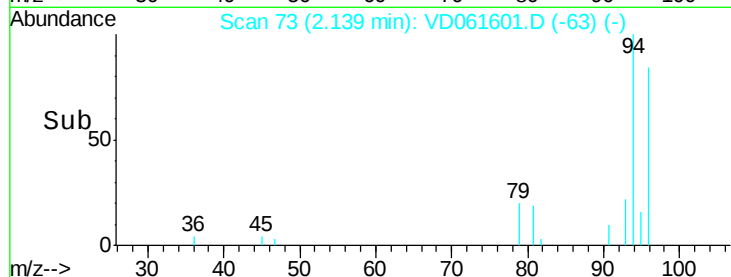
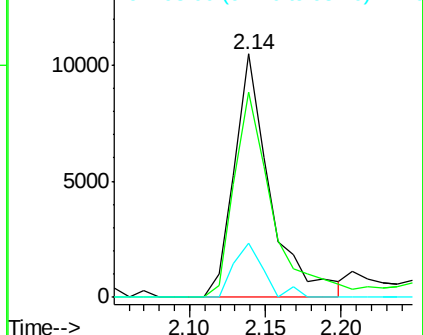
94 100

96 84.3 78.3 117.5

93 22.1 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 23.576 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061601.D

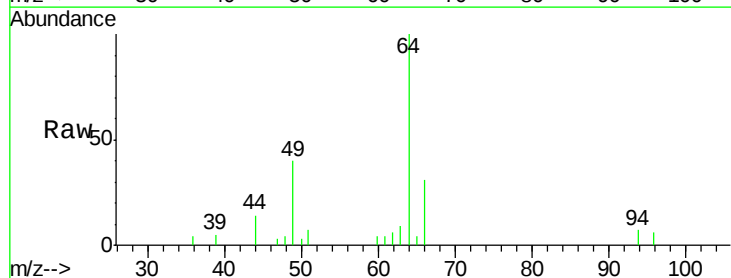
Acq: 5 Apr 2019 3:51

Tgt Ion: 64 Resp: 26062

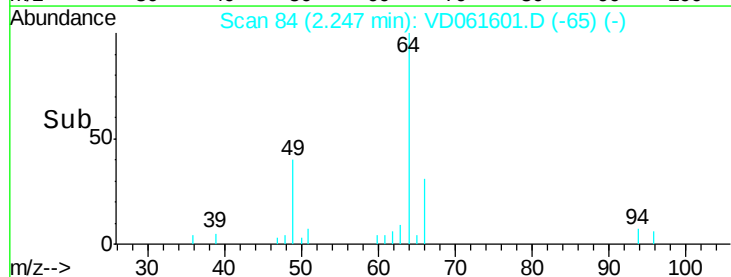
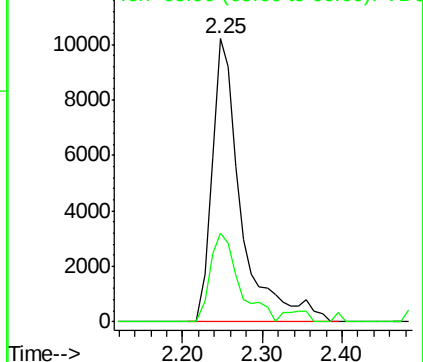
Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



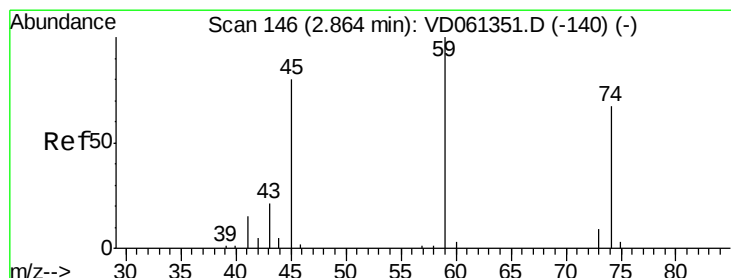
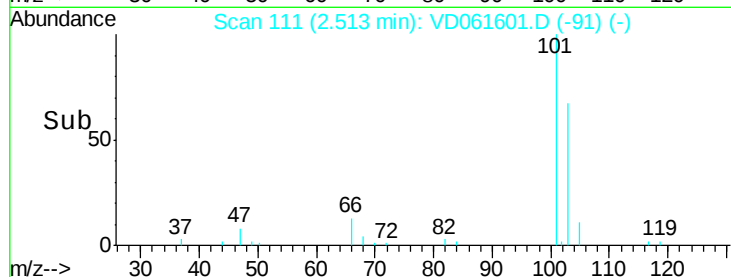
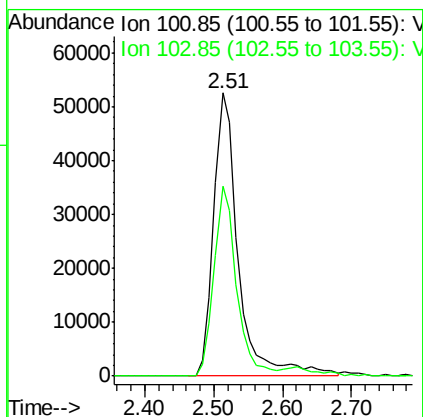
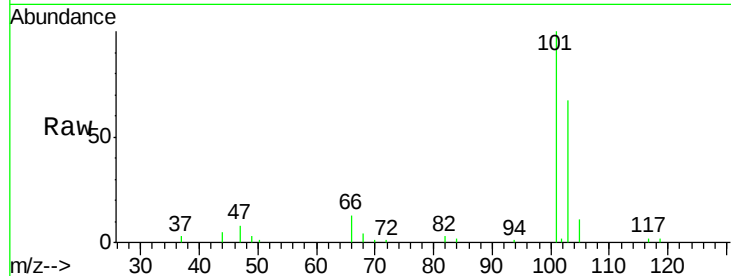


#7

Trichlorofluoromethane
 Concen: 23.908 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

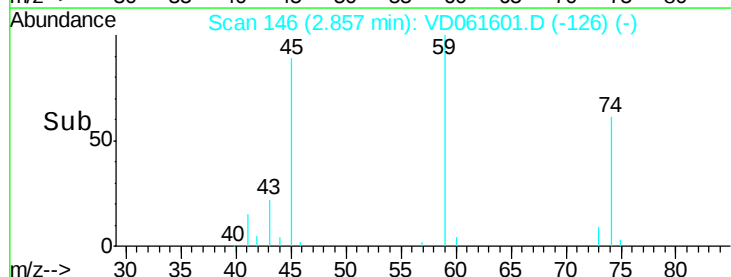
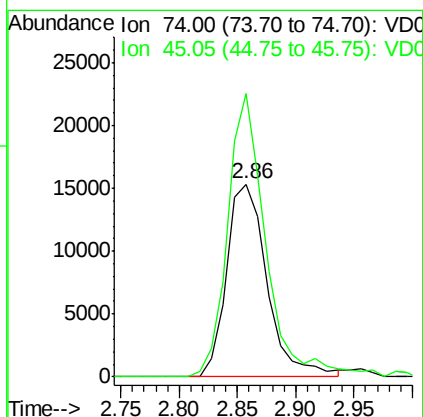
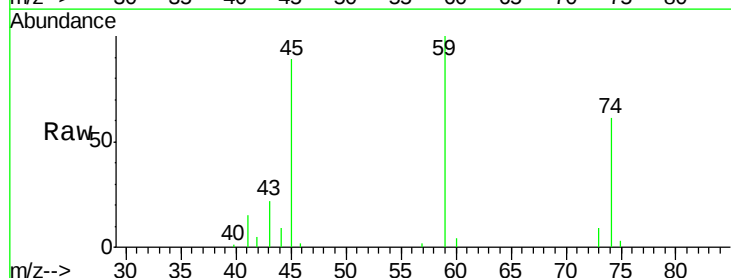
Tot Ion:101 Resp: 131054
 Ion Ratio Lower Upper
 101 100
 103 67.3 53.1 79.7

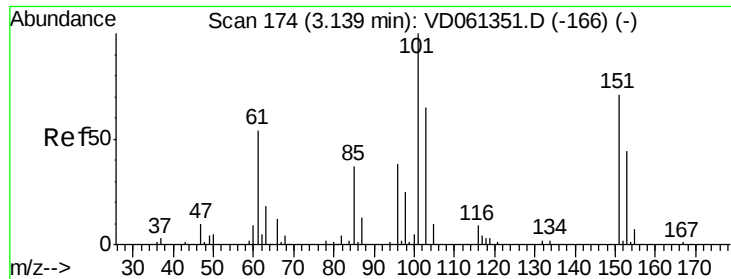


#8

Diethyl Ether
 Concen: 20.950 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 74 Resp: 36975
 Ion Ratio Lower Upper
 74 100
 45 146.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.662 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

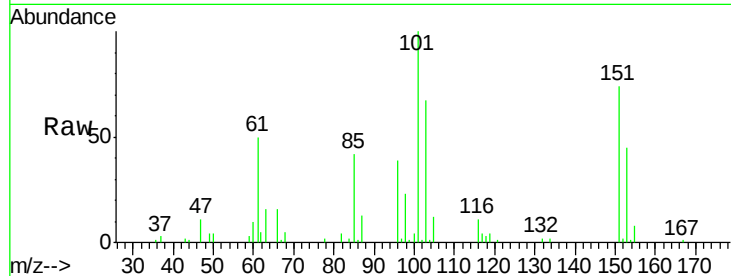
Tot Ion:101 Resp: 127658

Ion Ratio Lower Upper

101 100

85 42.5 29.4 44.0

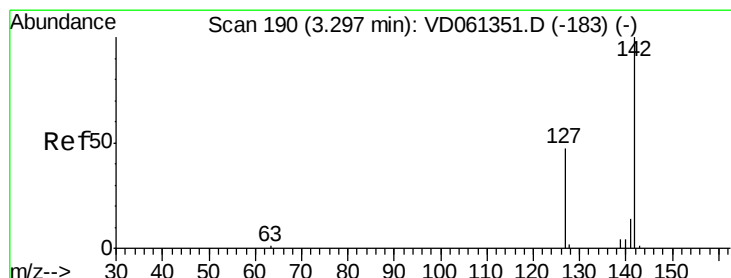
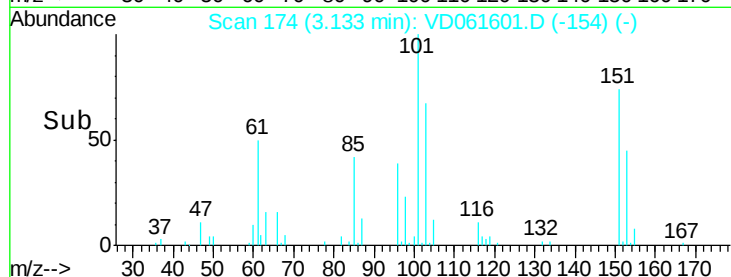
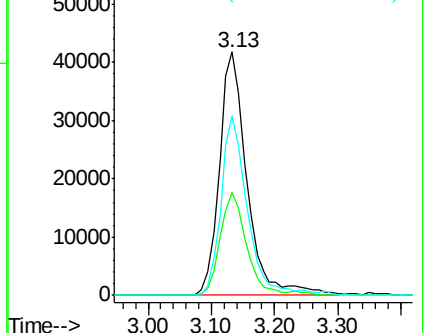
151 74.0 57.0 85.4



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: 21.682 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

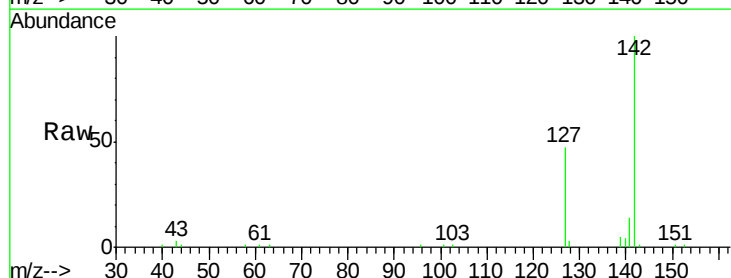
Tgt Ion:142 Resp: 175347

Ion Ratio Lower Upper

142 100

127 46.6 37.7 56.5

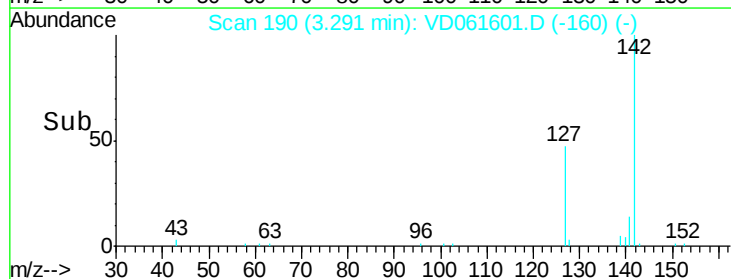
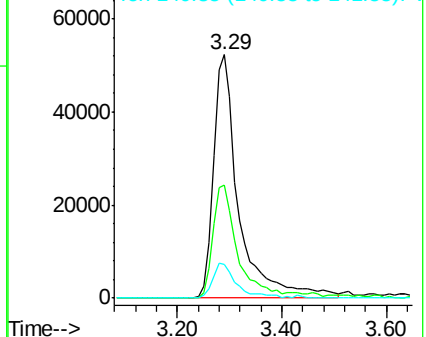
141 13.9 11.5 17.3

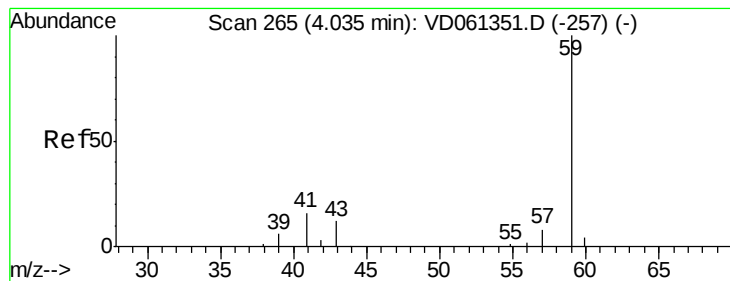


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 113.775 ug/l

RT: 4.03 min Scan# 265

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

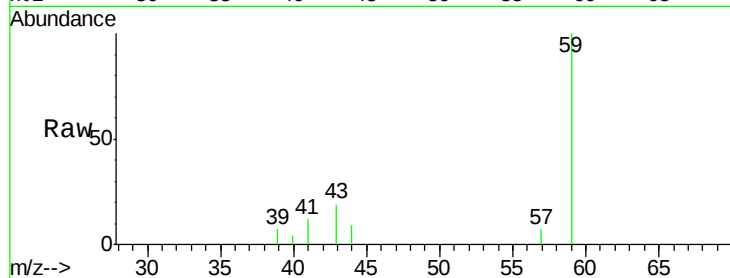
VD0404SBS02

Tot Ion: 59 Resp: 28531

Ion Ratio Lower Upper

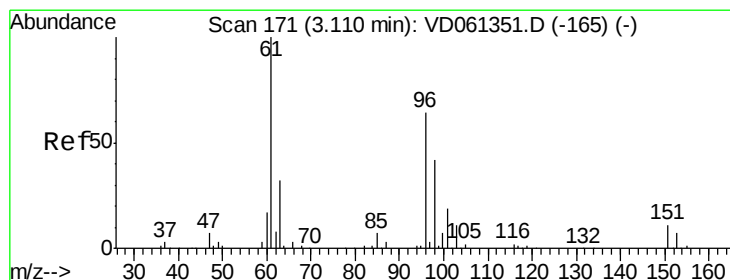
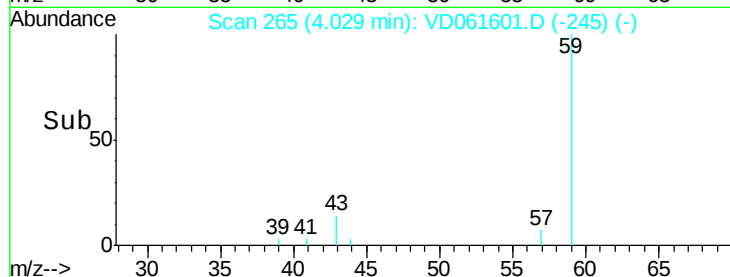
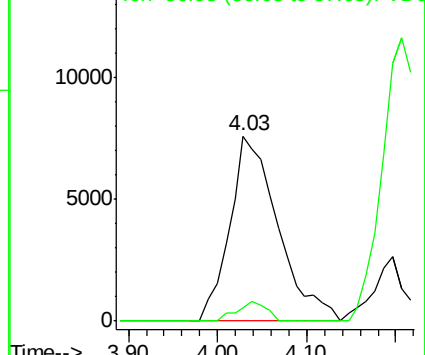
59 100

57 7.2 6.7 10.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 21.565 ug/l

RT: 3.11 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

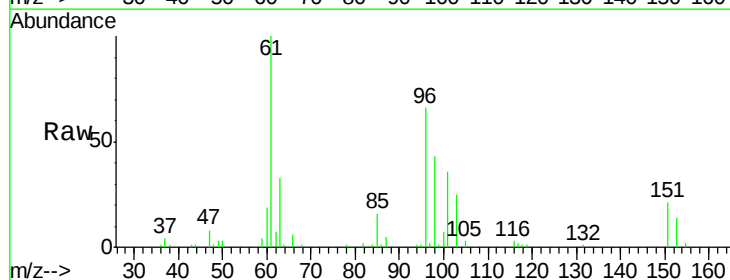
Tgt Ion: 96 Resp: 109109

Ion Ratio Lower Upper

96 100

61 151.5 124.9 187.3

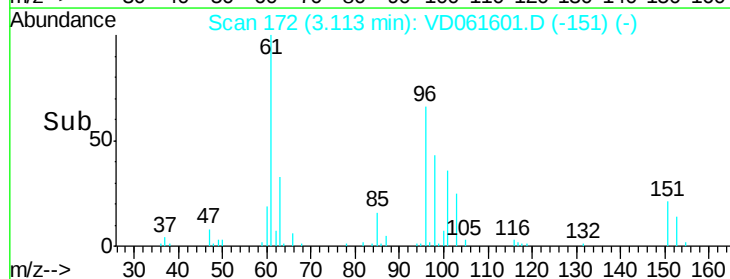
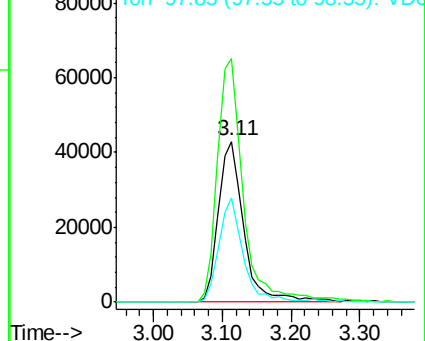
98 65.1 52.5 78.7

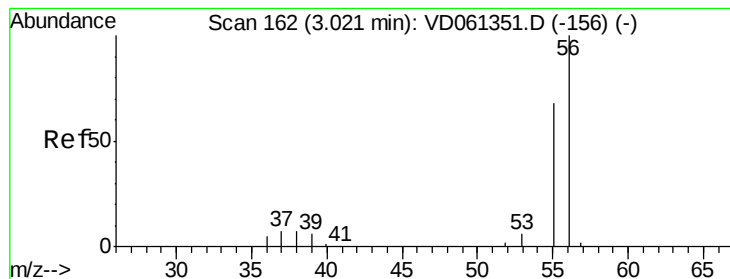


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 50.740 ug/l

RT: 3.02 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

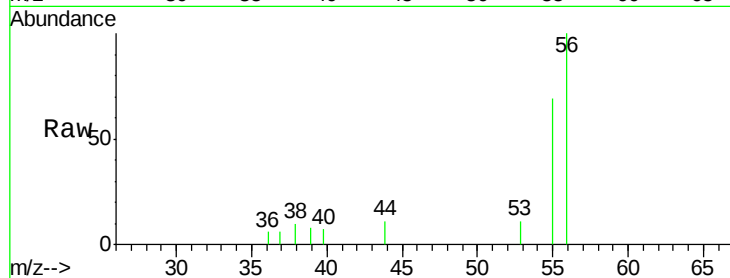
VD0404SBS02

Tot Ion: 56 Resp: 13184

Ion Ratio Lower Upper

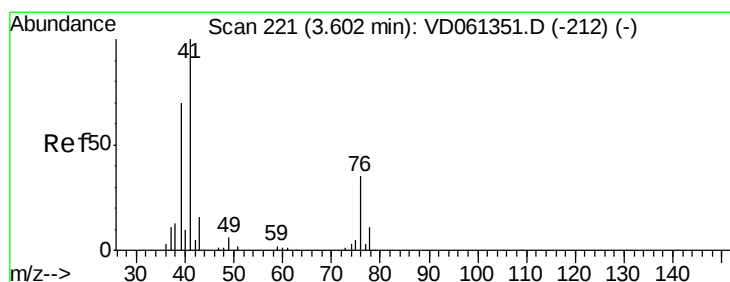
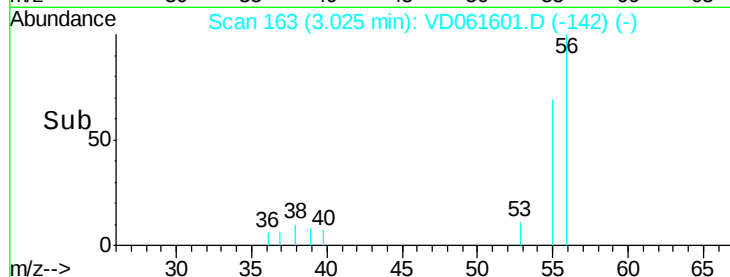
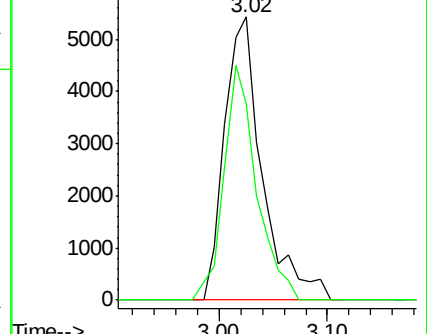
56 100

55 69.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.071 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

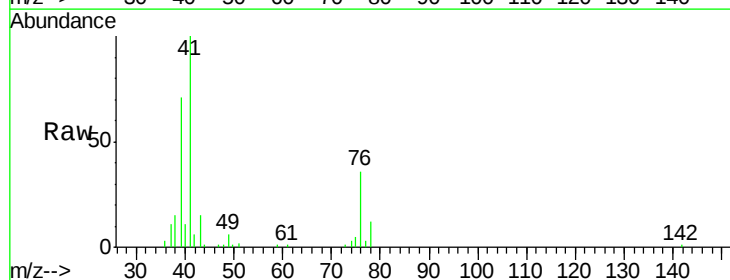
Tgt Ion: 41 Resp: 155754

Ion Ratio Lower Upper

41 100

39 71.2 55.6 83.4

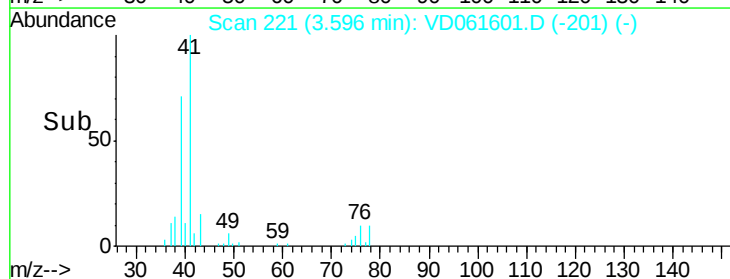
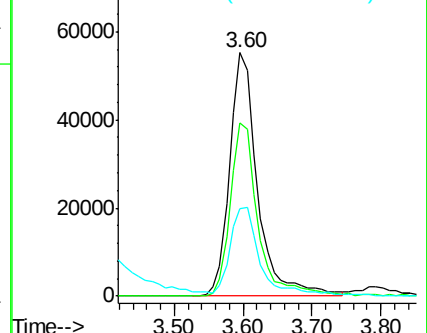
76 36.0 31.0 46.6

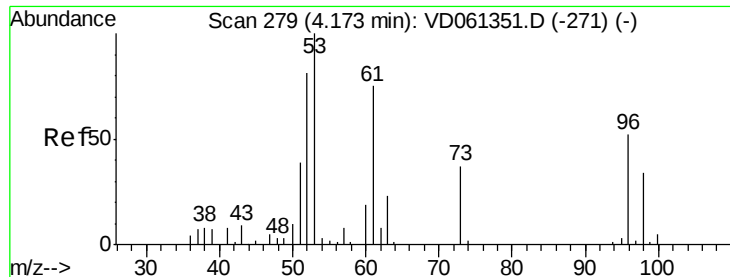


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 112.706 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

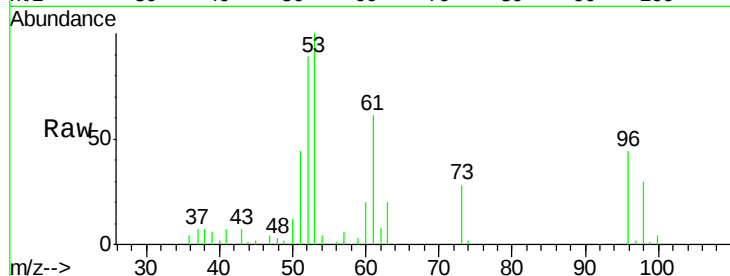
Tot Ion: 53 Resp: 98095

Ion Ratio Lower Upper

53 100

52 88.7 64.8 97.2

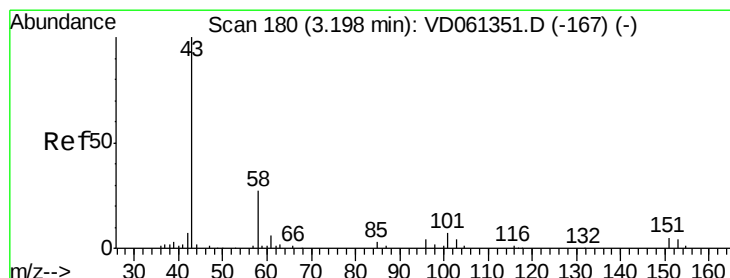
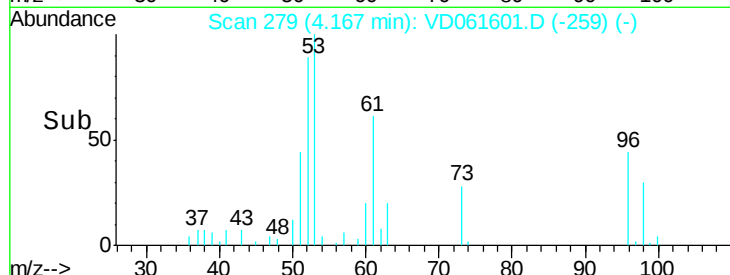
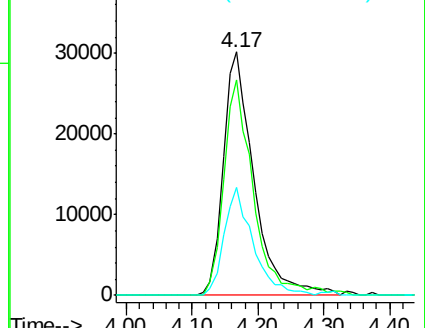
51 44.3 31.4 47.2



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: 95.728 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061601.D

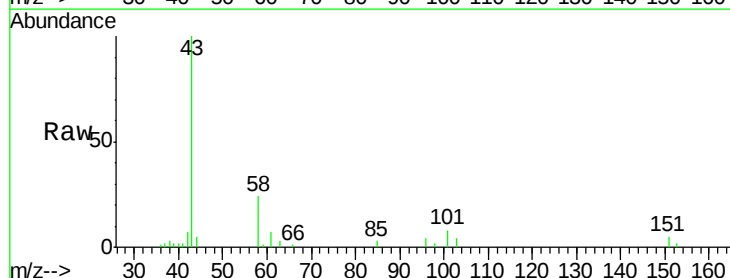
Acq: 5 Apr 2019 3:51

Tgt Ion: 43 Resp: 99089

Ion Ratio Lower Upper

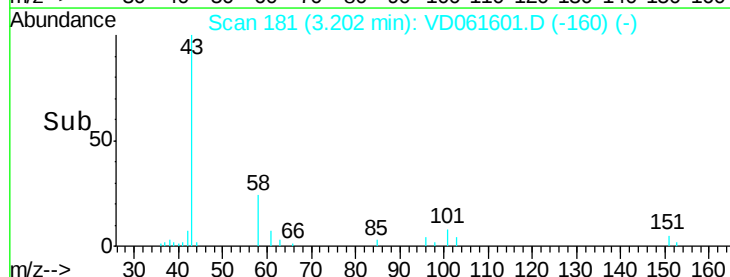
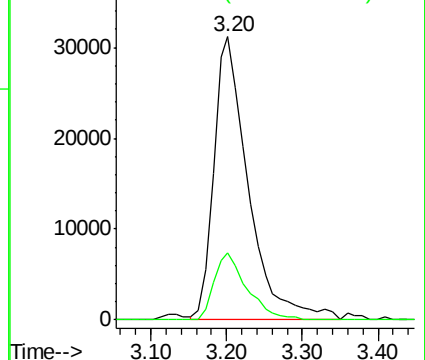
43 100

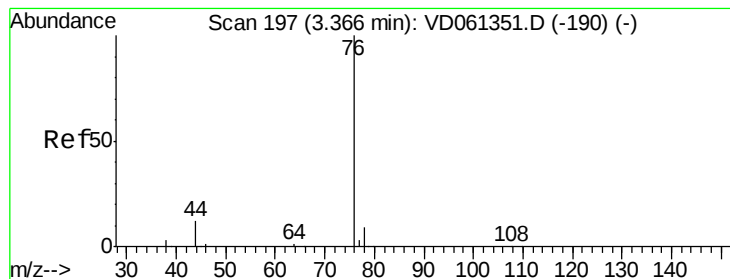
58 23.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.017 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

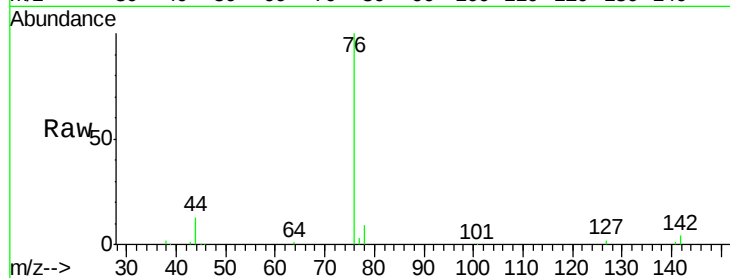
VD0404SBS02

Tot Ion: 76 Resp: 329056

Ion Ratio Lower Upper

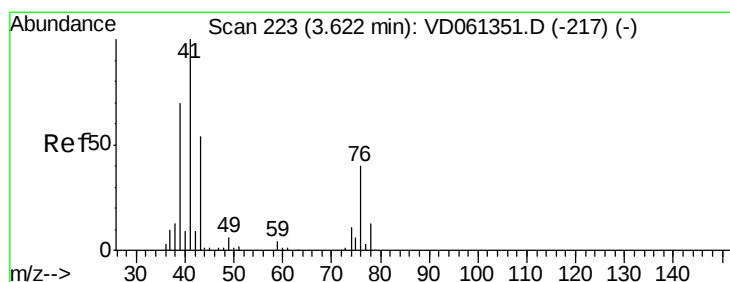
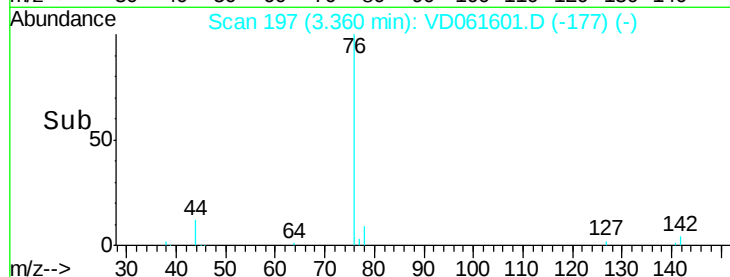
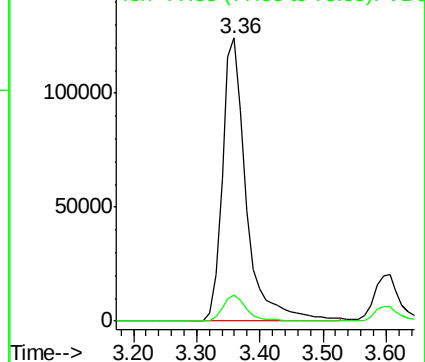
76 100

78 9.4 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 25.843 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061601.D

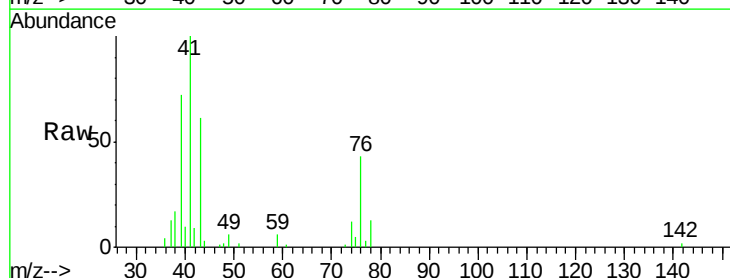
Acq: 5 Apr 2019 3:51

Tgt Ion: 43 Resp: 56244

Ion Ratio Lower Upper

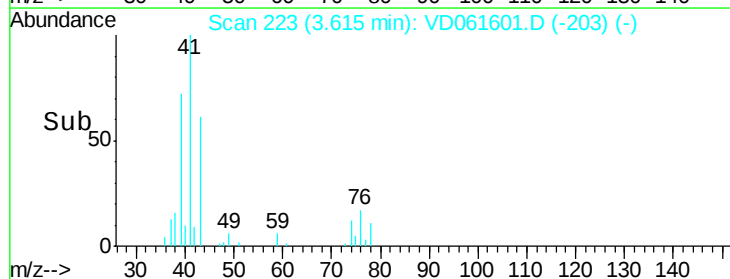
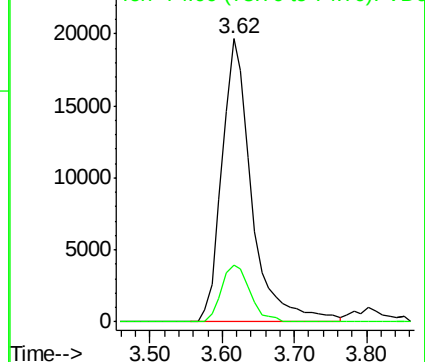
43 100

74 19.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

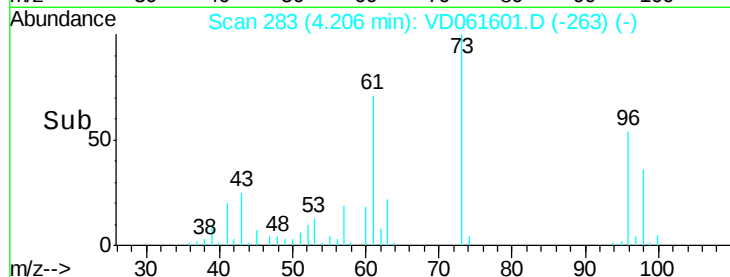
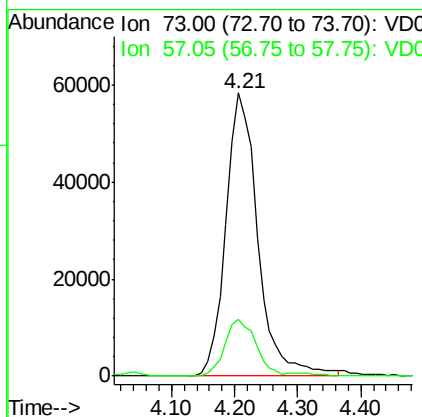
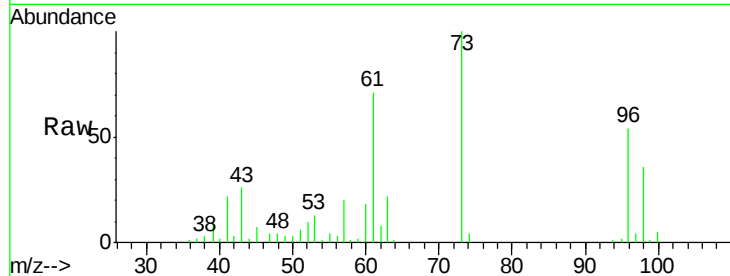




#19
Methvl tert-butvl Ether
Concen: 23.403 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

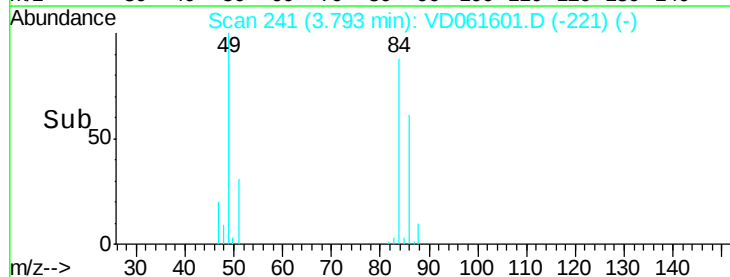
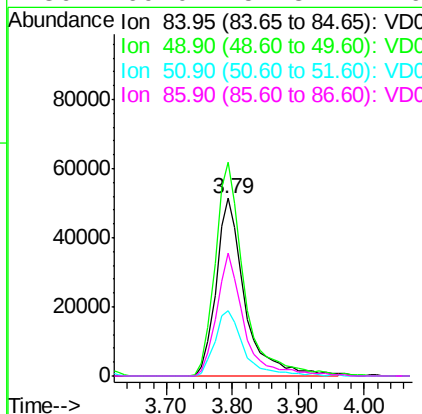
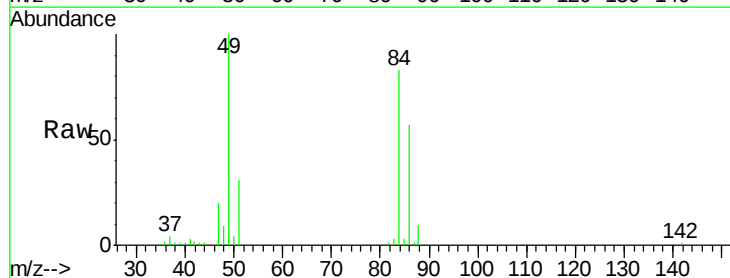
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion: 73 Resp: 204965
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 25.851 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion: 84 Resp: 155277
Ion Ratio Lower Upper
84 100
49 120.3 91.8 137.8
51 37.0 29.8 44.8
86 69.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.968 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

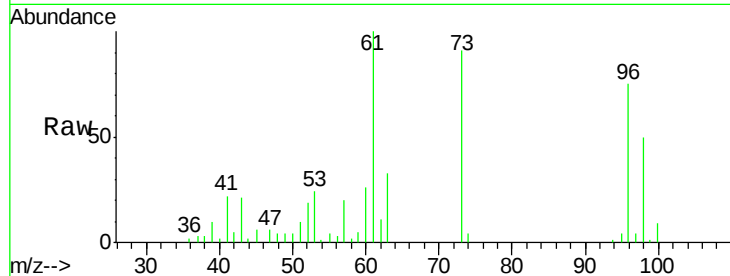
Tot Ion: 96 Resp: 120000

Ion Ratio Lower Upper

96 100

61 132.7 102.7 154.1

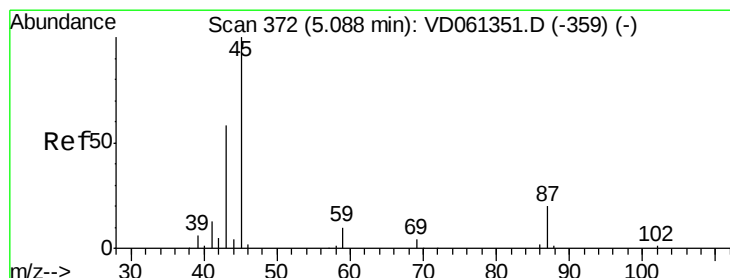
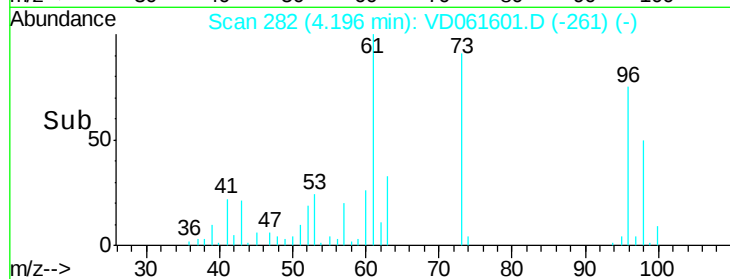
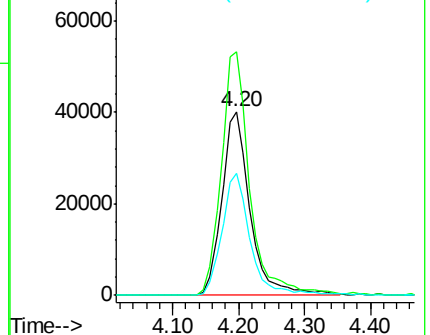
98 66.5 52.2 78.4



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: 23.115 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Tgt Ion: 45 Resp: 345184

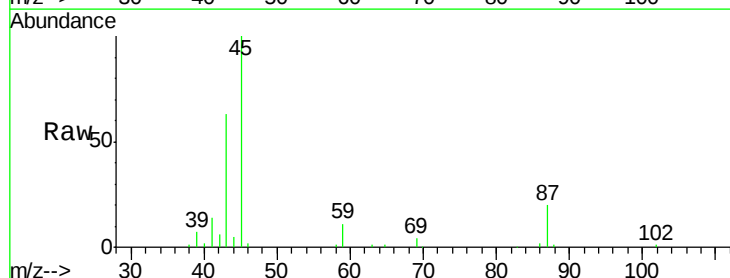
Ion Ratio Lower Upper

45 100

43 63.5 47.4 71.2

87 20.1 16.3 24.5

59 10.7 8.4 12.6

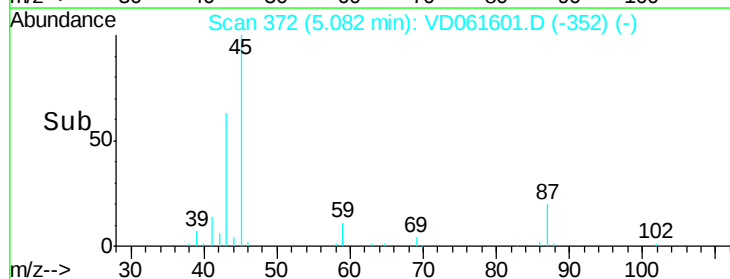
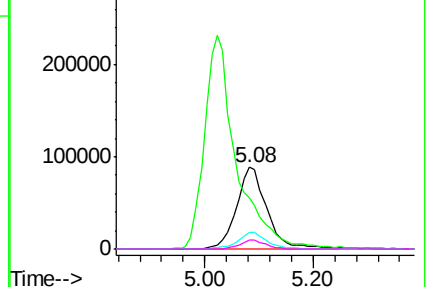


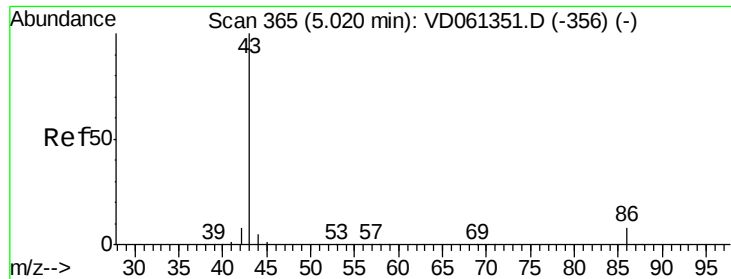
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 114.790 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

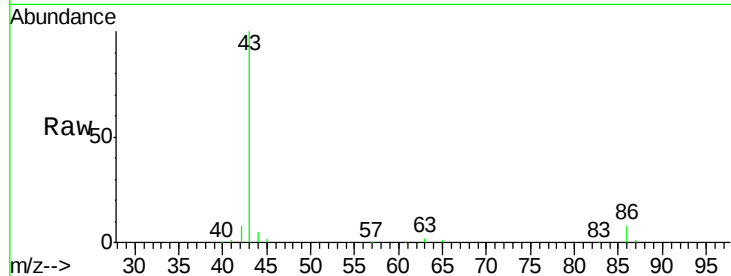
VD0404SBS02

Tot Ion: 43 Resp: 931146

Ion Ratio Lower Upper

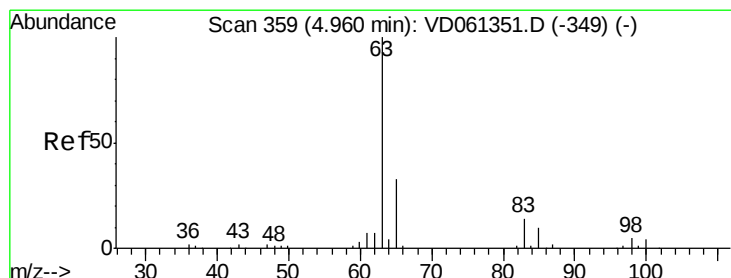
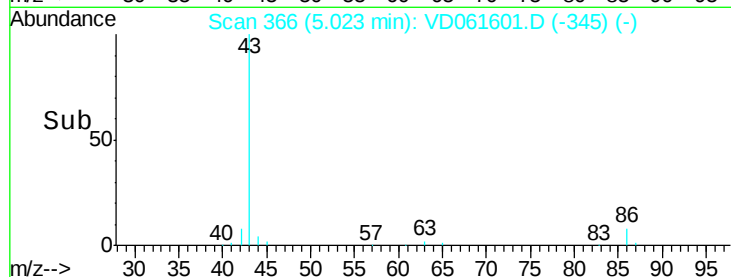
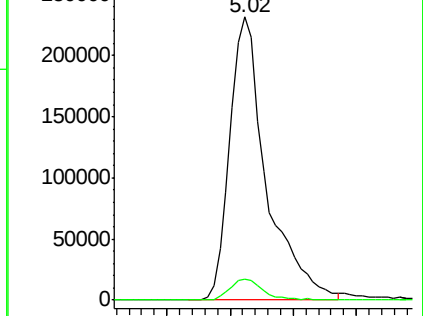
43 100

86 7.6 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.790 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

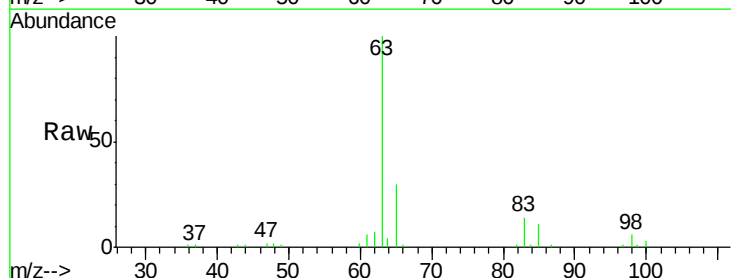
Tgt Ion: 63 Resp: 208786

Ion Ratio Lower Upper

63 100

98 5.9 2.6 8.0

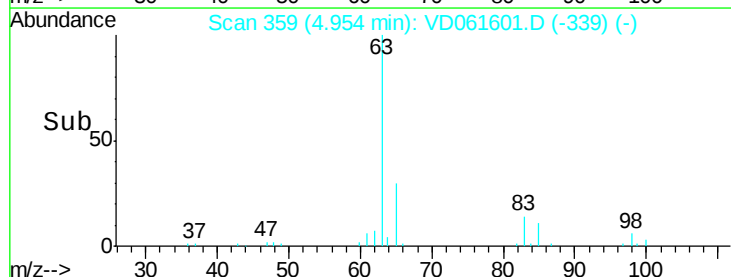
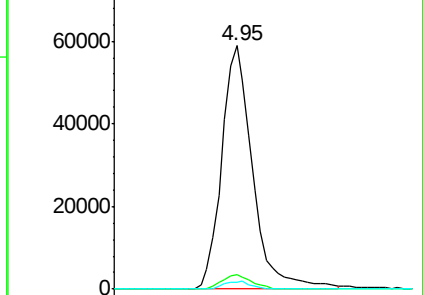
100 3.0 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 111.625 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

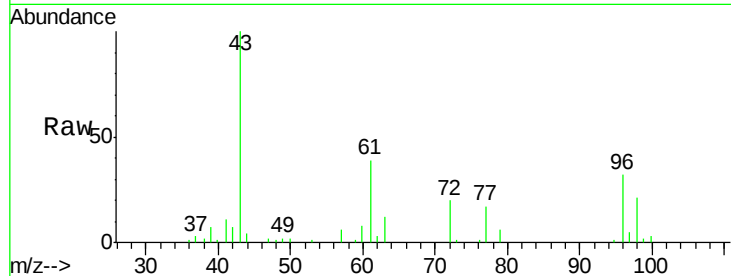
VD0404SBS02

Tot Ion: 43 Resp: 145345

Ion Ratio Lower Upper

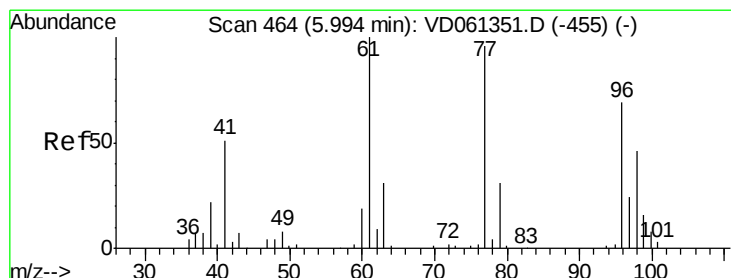
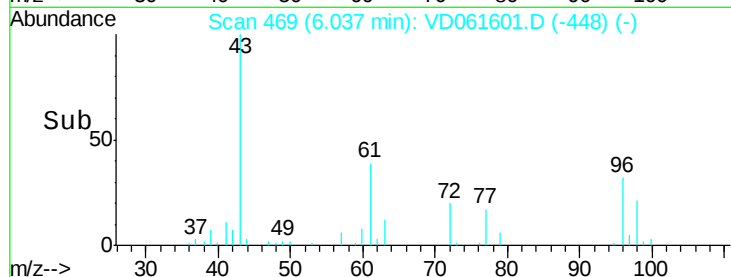
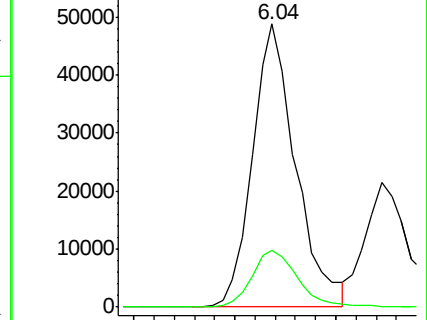
43 100

72 20.1 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.698 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD061601.D

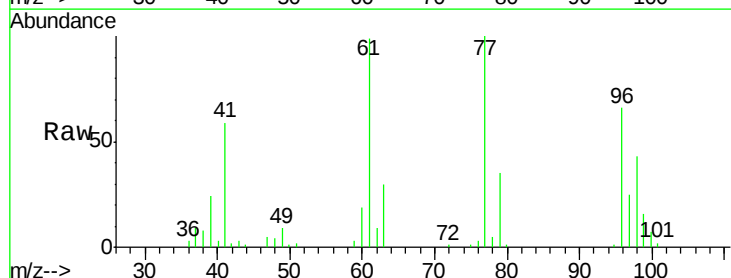
Acq: 5 Apr 2019 3:51

Tgt Ion: 77 Resp: 151381

Ion Ratio Lower Upper

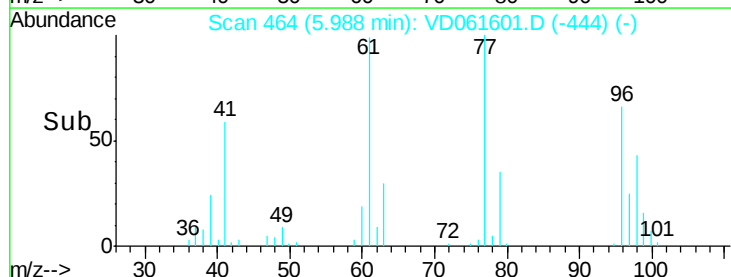
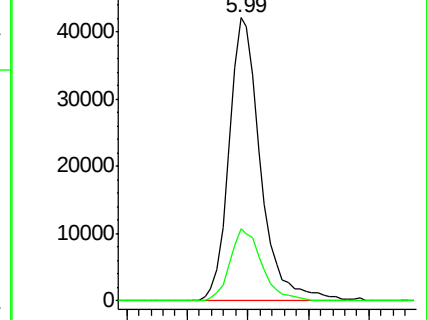
77 100

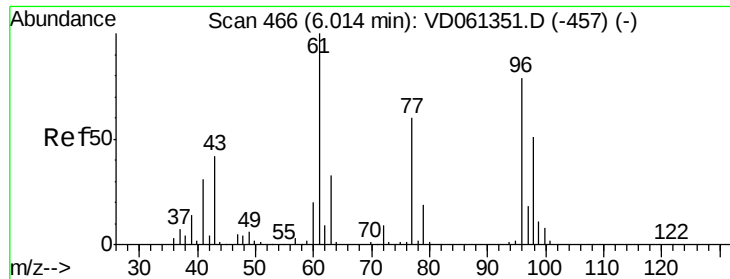
97 25.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



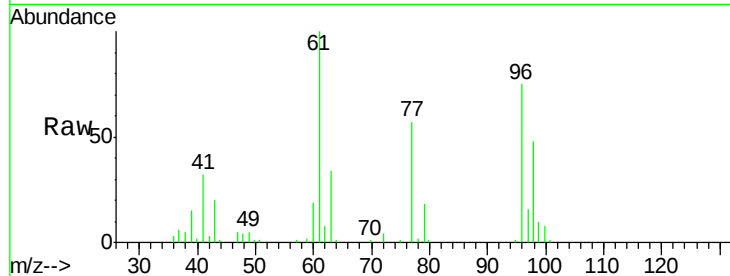


#27

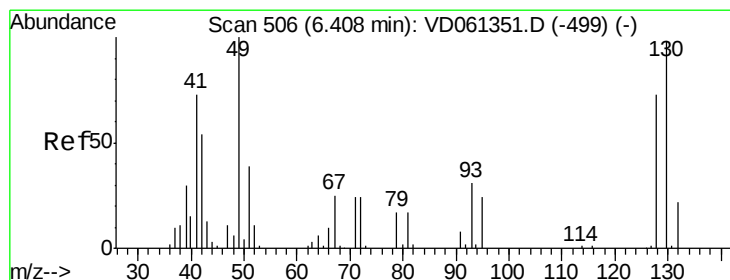
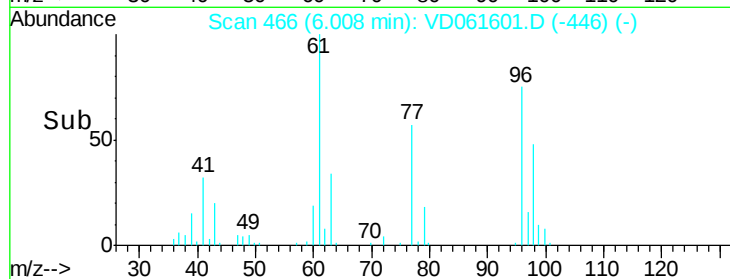
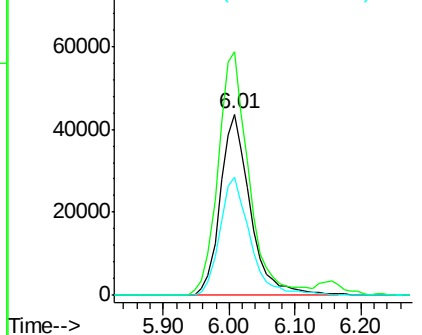
cis-1,2-Dichloroethene
 Concen: 23.118 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Tot Ion	96	Resp	138359
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	251.6
98	64.8	0.0	129.2



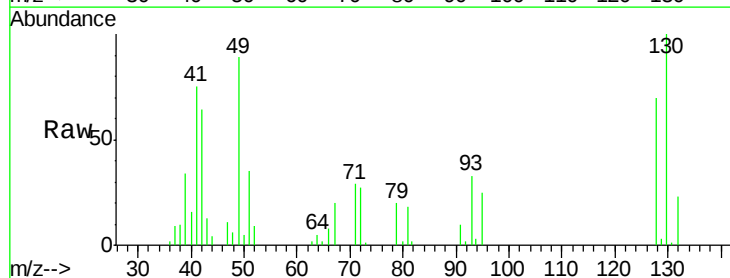
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



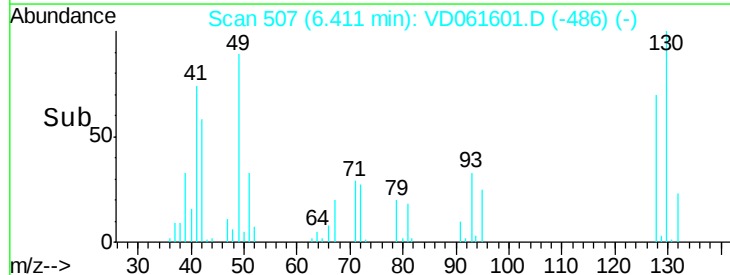
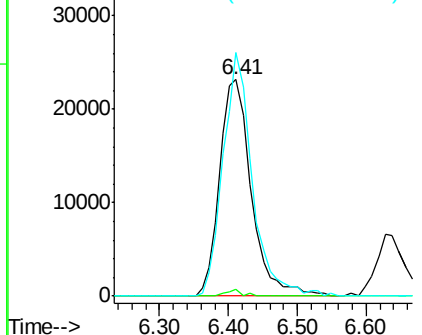
#28

Bromochloromethane
 Concen: 20.884 ug/l
 RT: 6.41 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion	49	Resp	73986
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	0.0#
130	112.6	78.4	117.6



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

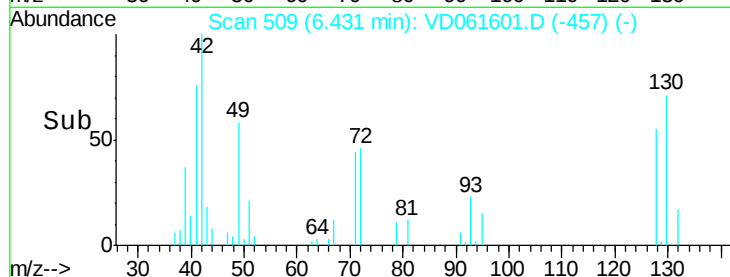
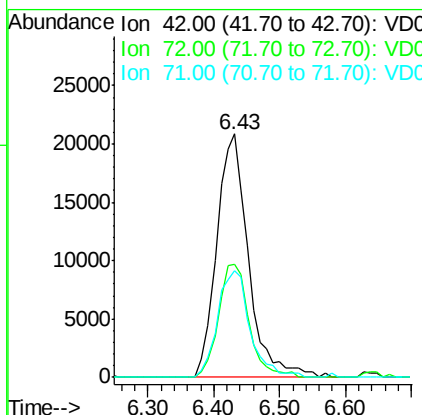
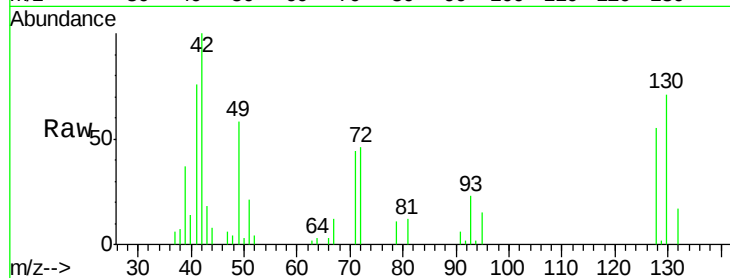




#29
Tetrahydrofuran
Concen: 110.552 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

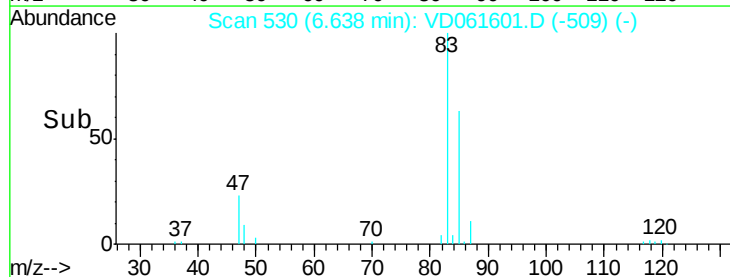
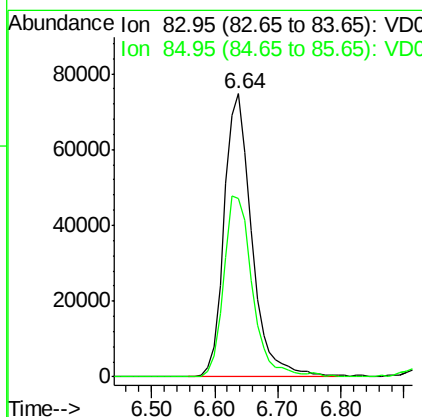
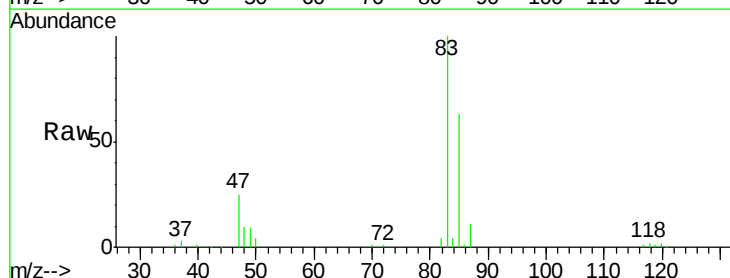
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

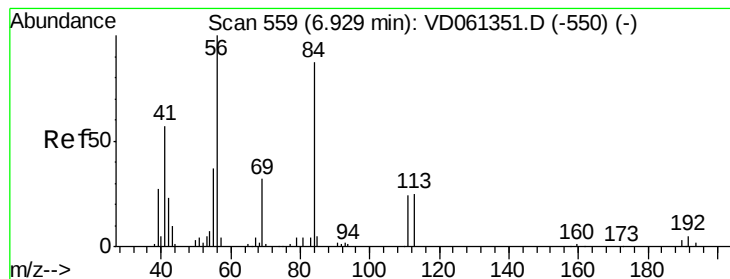
Tot Ion: 42 Resp: 69771
Ion Ratio Lower Upper
42 100
72 45.0 37.4 56.0
71 44.6 36.7 55.1



#30
Chloroform
Concen: 25.055 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion: 83 Resp: 227207
Ion Ratio Lower Upper
83 100
85 63.0 53.0 79.4





#31

Cyclohexane

Concen: 20.870 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

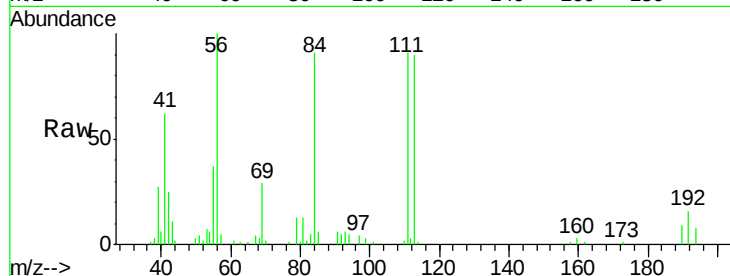
Tot Ion: 56 Resp: 144740

Ion Ratio Lower Upper

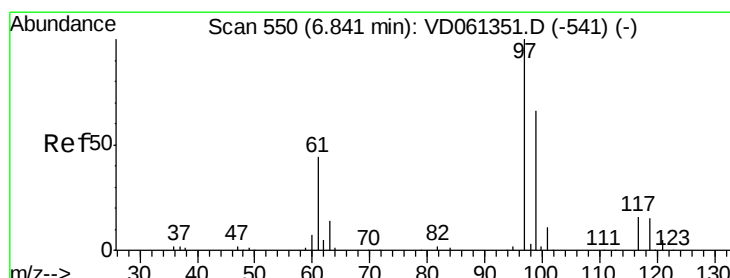
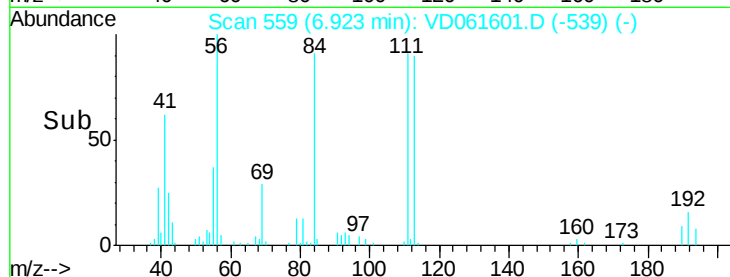
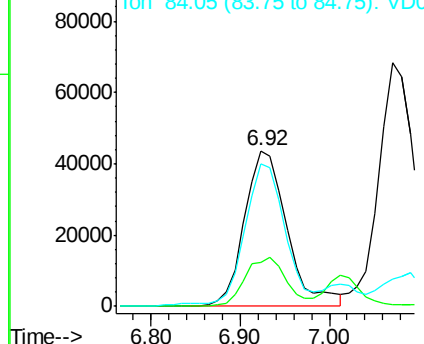
56 100

69 28.5 25.7 38.5

84 91.1 70.6 105.8



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: 23.441 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

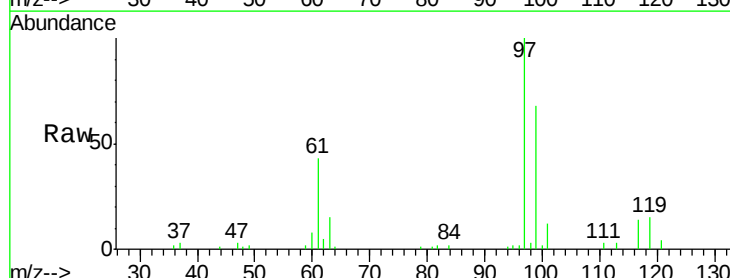
Tgt Ion: 97 Resp: 187531

Ion Ratio Lower Upper

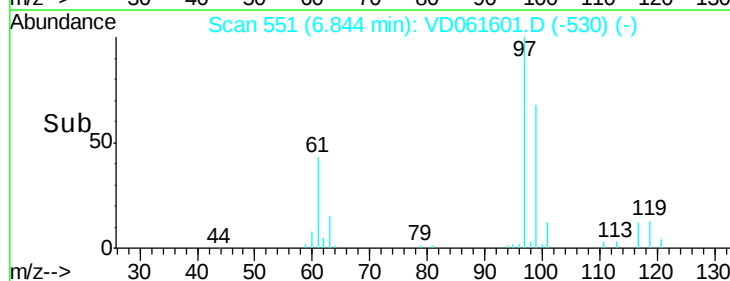
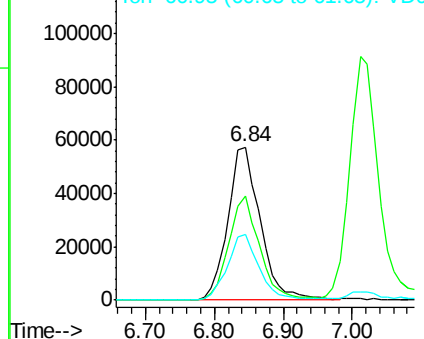
97 100

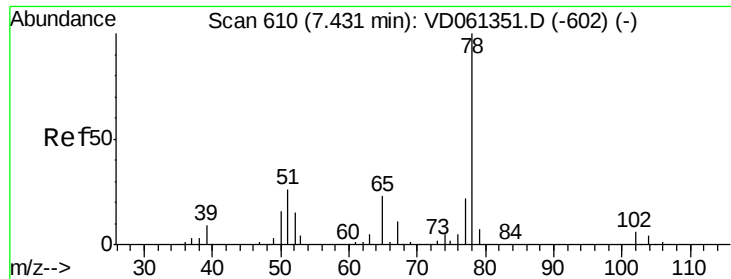
99 67.6 53.1 79.7

61 43.0 35.5 53.3



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: 23.441 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

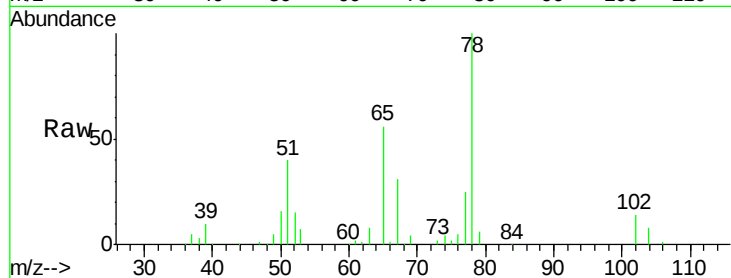
VD0404SBS02

Tot Ion: 65 Resp: 222940

Ion Ratio Lower Upper

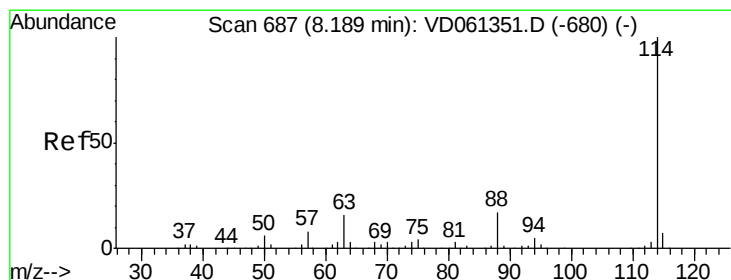
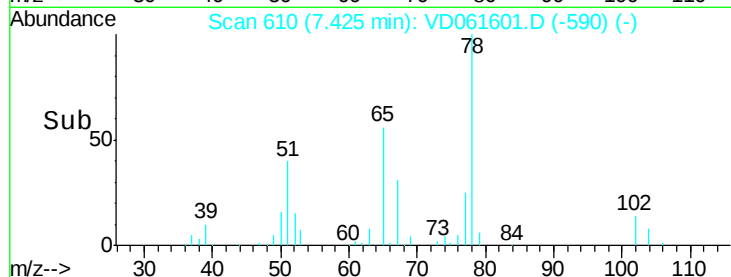
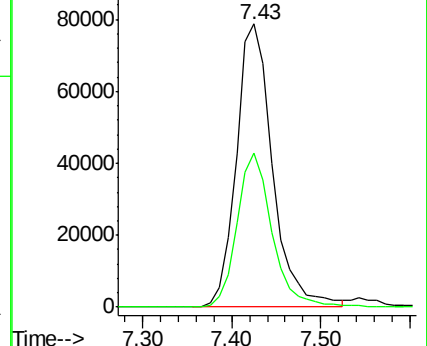
65 100

67 54.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

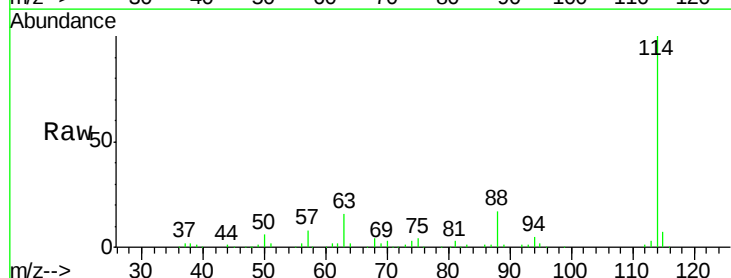
Tgt Ion: 114 Resp: 782657

Ion Ratio Lower Upper

114 100

63 15.5 0.0 31.6

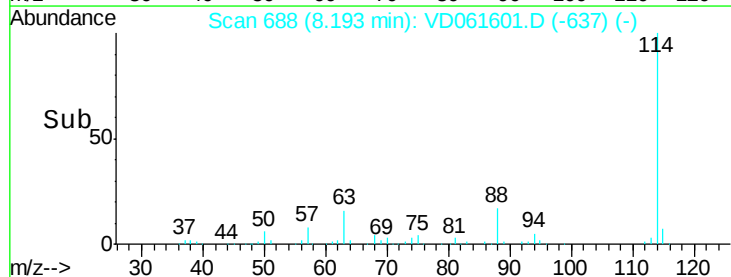
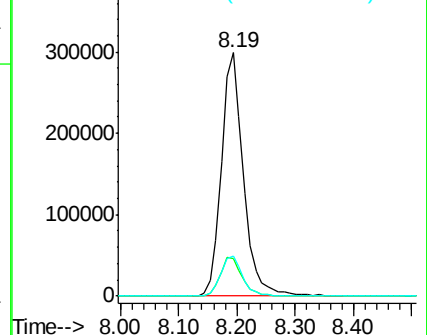
88 16.6 0.0 33.4

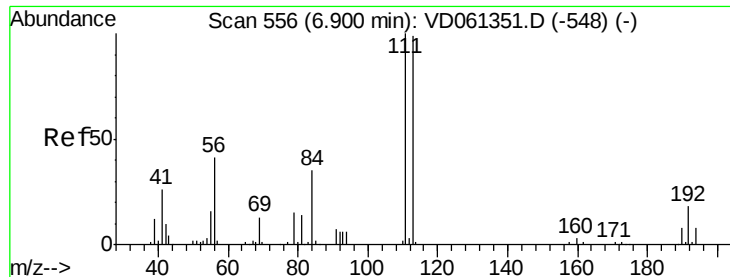


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

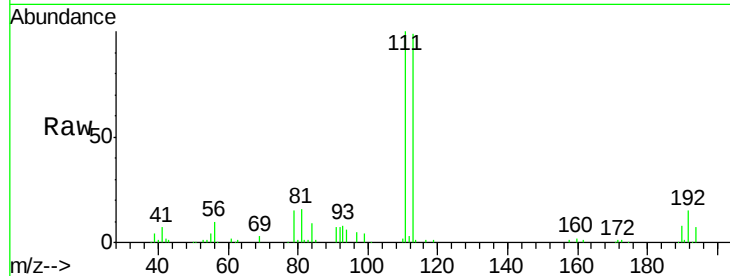
Tot Ion:113 Resp: 316344

Ion Ratio Lower Upper

113 100

111 101.0 81.0 121.6

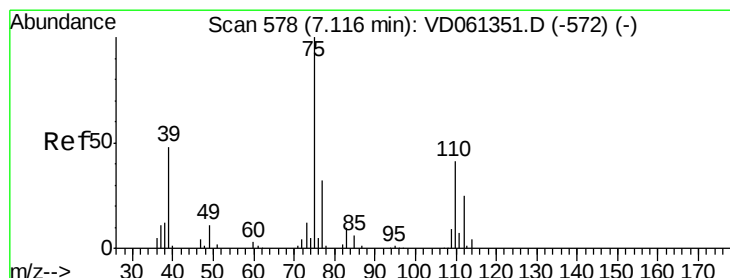
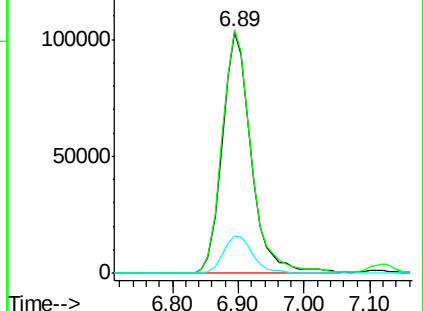
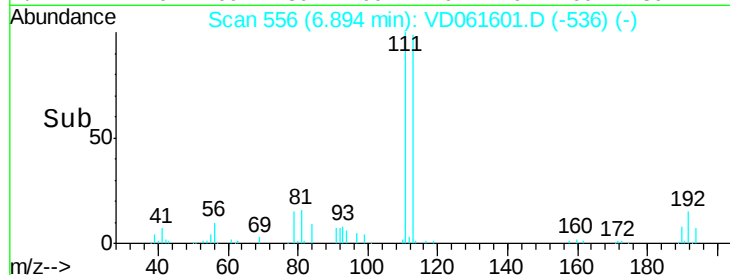
192 15.5 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.881 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

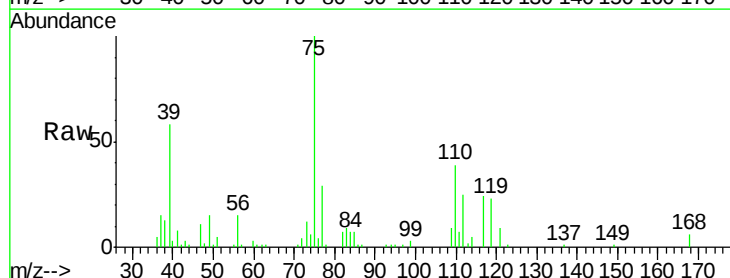
Tgt Ion: 75 Resp: 156299

Ion Ratio Lower Upper

75 100

110 39.1 20.4 61.3

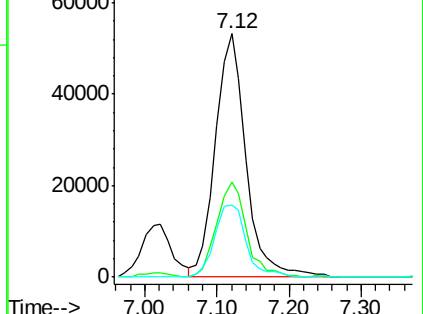
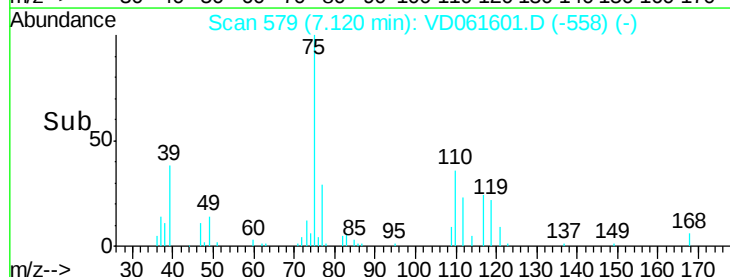
77 29.5 24.9 37.3

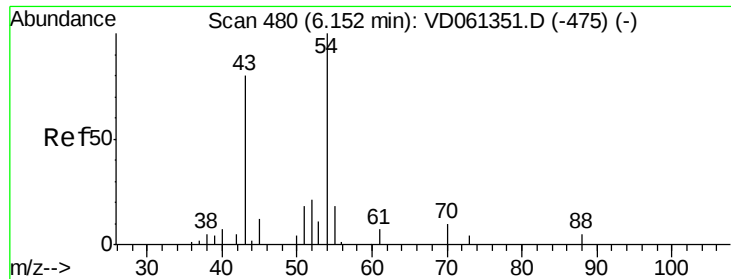


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

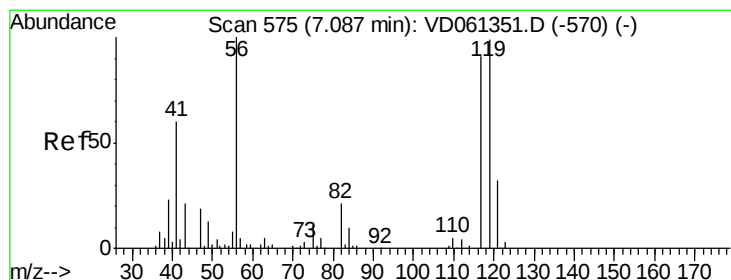
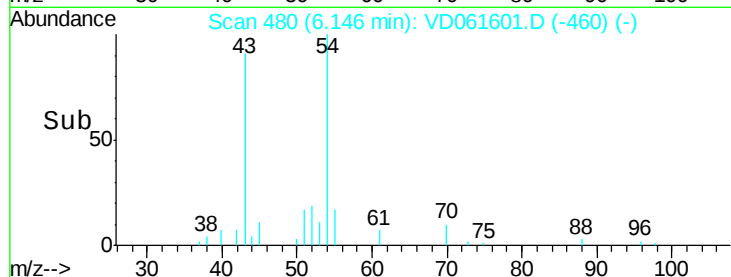
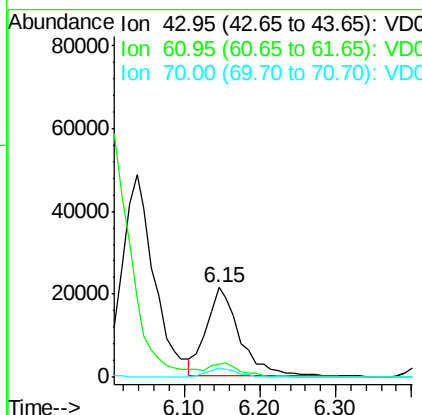
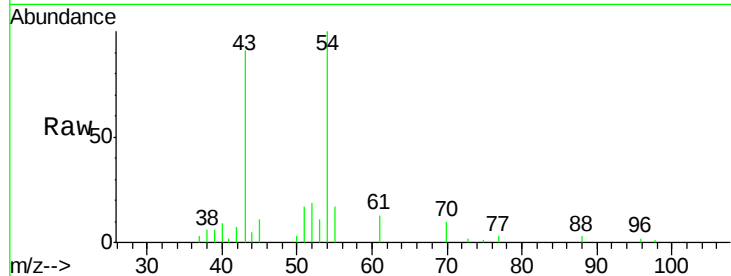




#37
Ethyl Acetate
Concen: 22.283 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

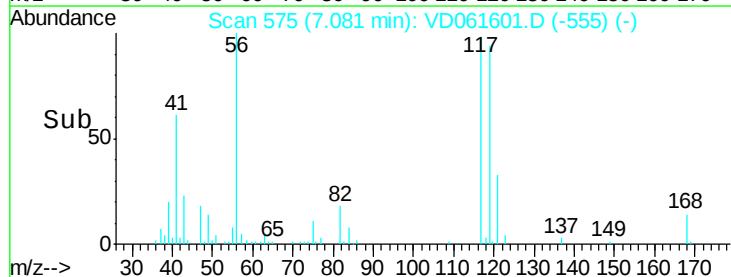
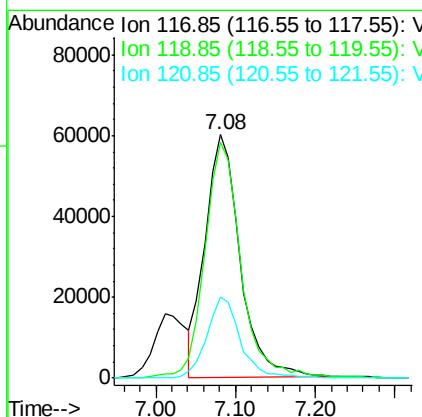
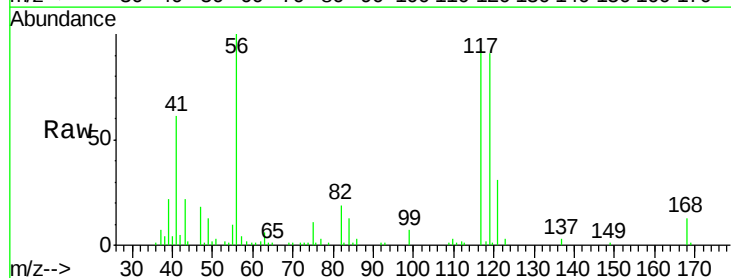
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion: 43 Resp: 65098
Ion Ratio Lower Upper
43 100
61 14.6 13.8 20.8
70 10.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 23.416 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion: 117 Resp: 183803
Ion Ratio Lower Upper
117 100
119 97.1 80.1 120.1
121 33.4 25.6 38.4





#39

Methvlcvclohexane

Concen: 22.630 ug/l

RT: 8.84 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

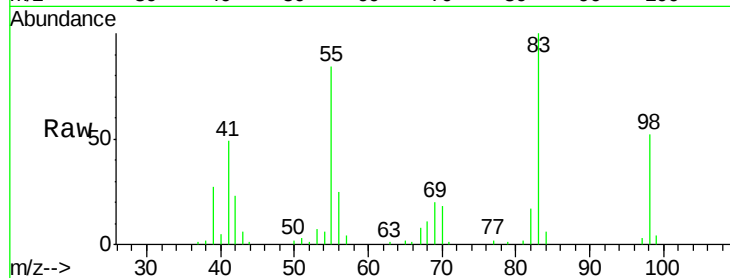
Tot Ion: 83 Resp: 160996

Ion Ratio Lower Upper

83 100

55 84.1 71.5 107.3

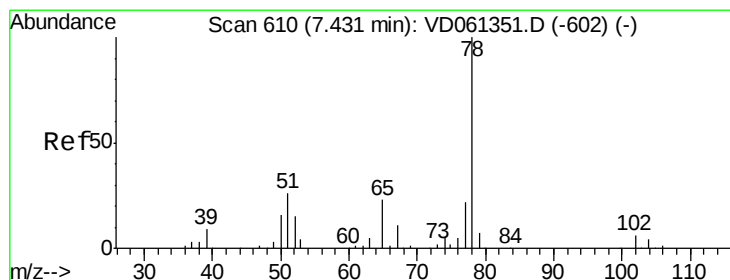
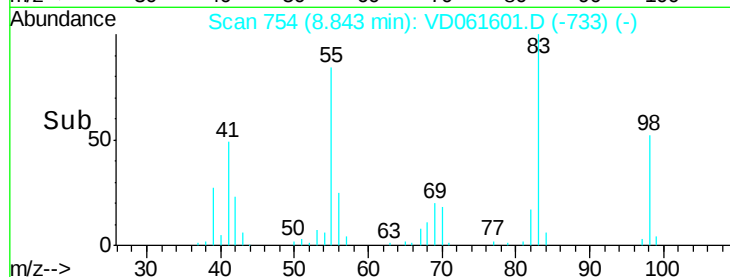
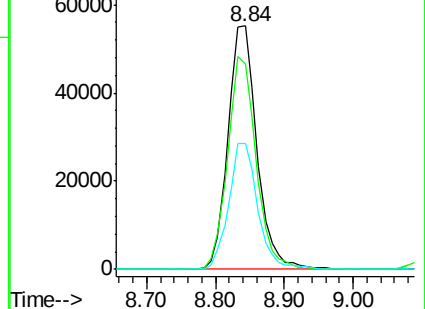
98 51.9 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 23.640 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061601.D

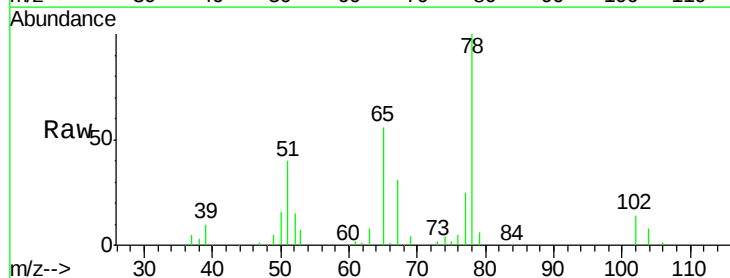
Acq: 5 Apr 2019 3:51

Tgt Ion: 78 Resp: 405277

Ion Ratio Lower Upper

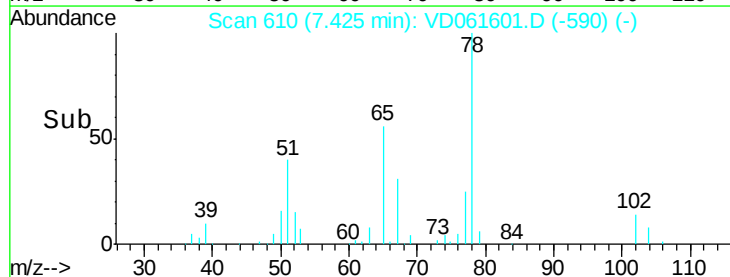
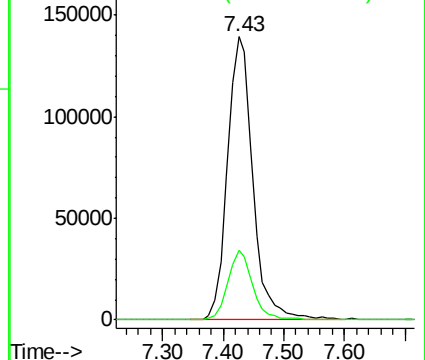
78 100

77 24.8 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.287 ug/l

RT: 6.41 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

Tot Ion: 41 Resp: 79545

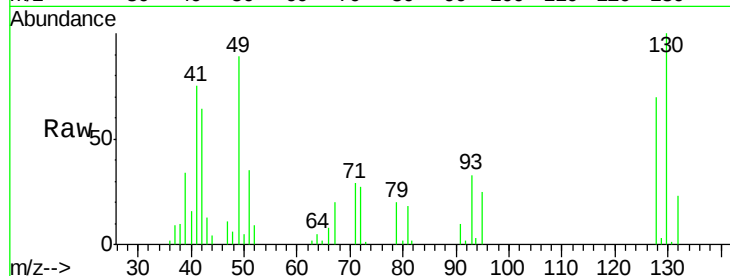
Ion Ratio Lower Upper

41 100

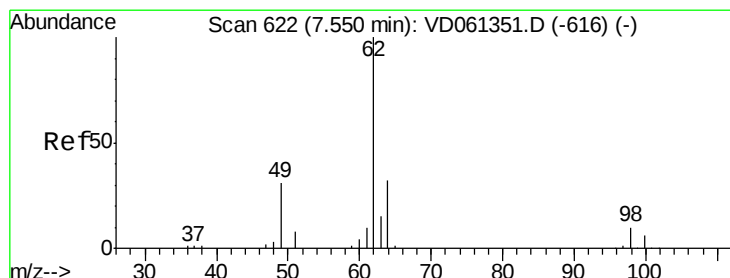
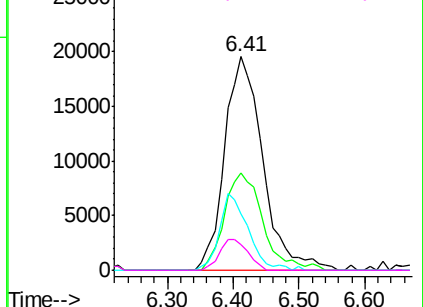
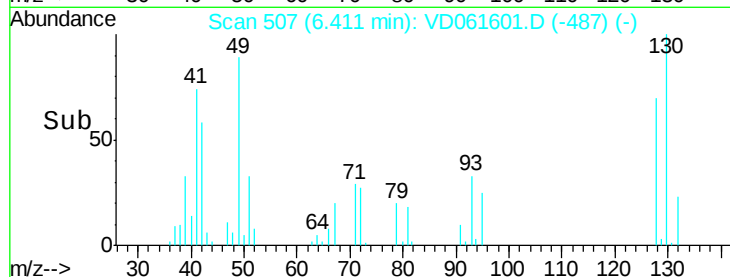
39 45.8 35.0 52.6

67 26.4 21.0 31.6

52 12.0 7.7 11.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 26.272 ug/l

RT: 7.54 min Scan# 622

Delta R.T. -0.01 min

Lab File: VD061601.D

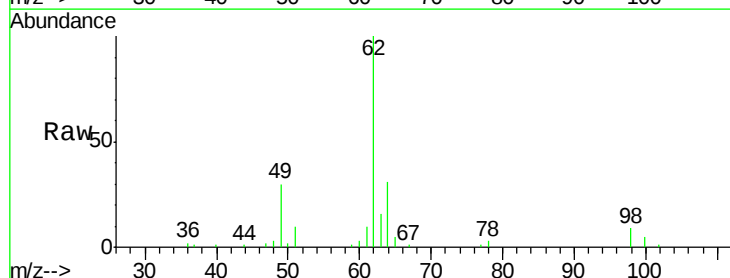
Acq: 5 Apr 2019 3:51

Tgt Ion: 62 Resp: 134726

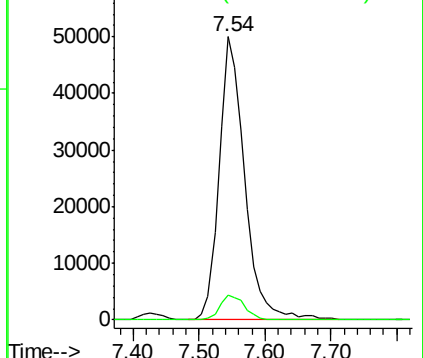
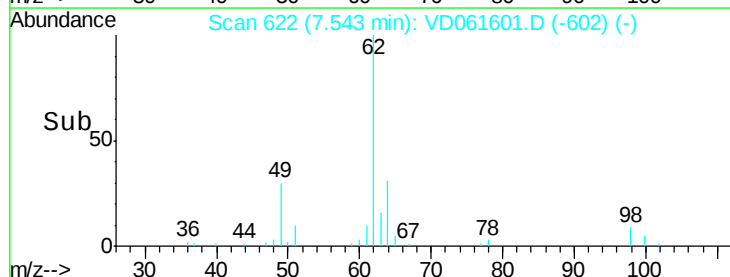
Ion Ratio Lower Upper

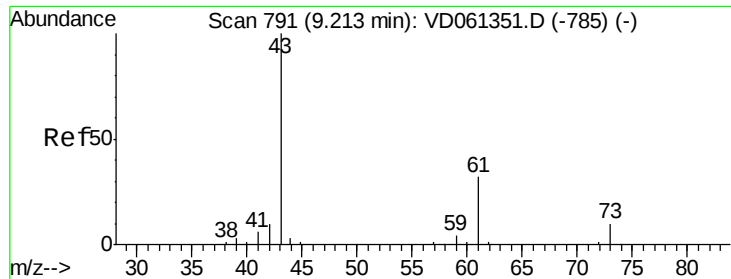
62 100

98 8.7 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



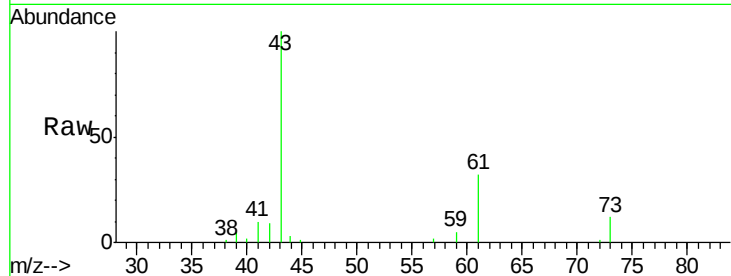


#43

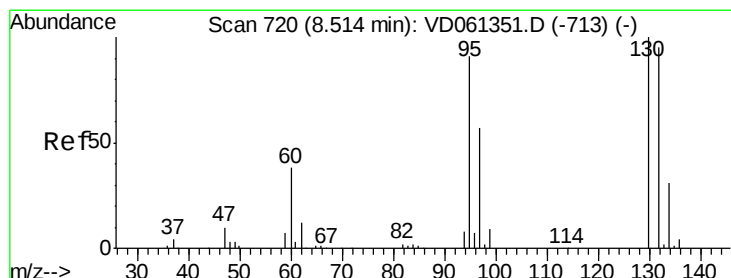
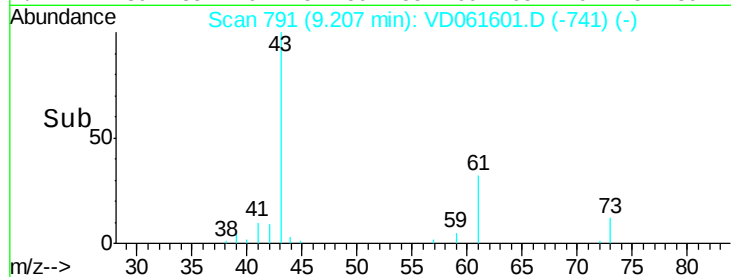
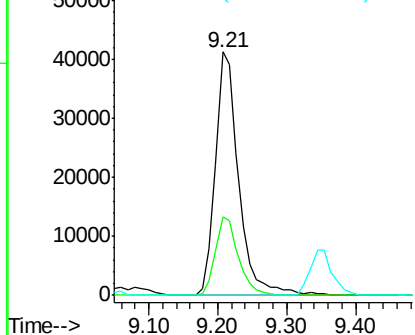
Isopropyl Acetate
 Concen: 22.770 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Tot Ion: 43 Resp: 96785
 Ion Ratio Lower Upper
 43 100
 61 32.3 25.8 38.6
 87 0.0 0.0 0.0



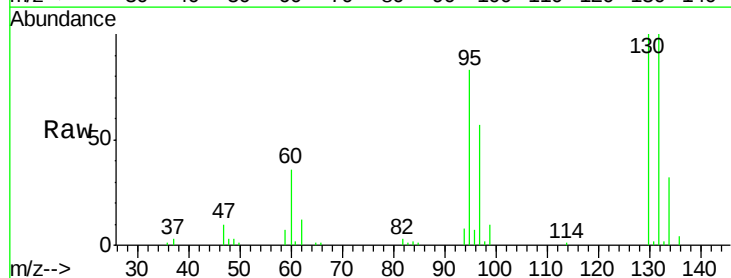
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



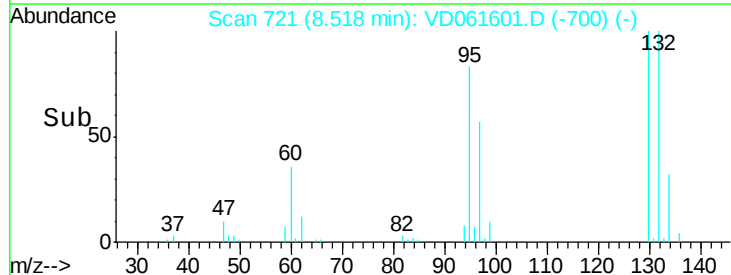
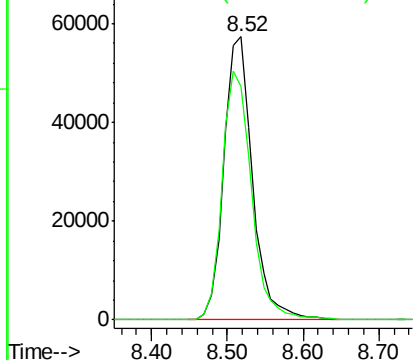
#44

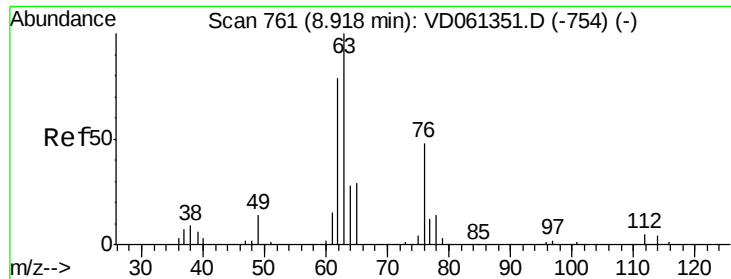
Trichloroethene
 Concen: 23.453 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 130 Resp: 149628
 Ion Ratio Lower Upper
 130 100
 95 82.6 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 23.064 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

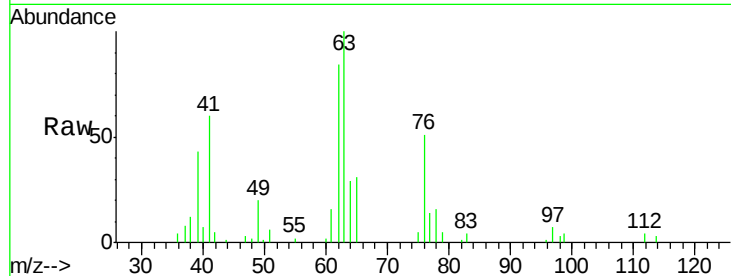
VD0404SBS02

Tot Ion: 63 Resp: 100260

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

40000

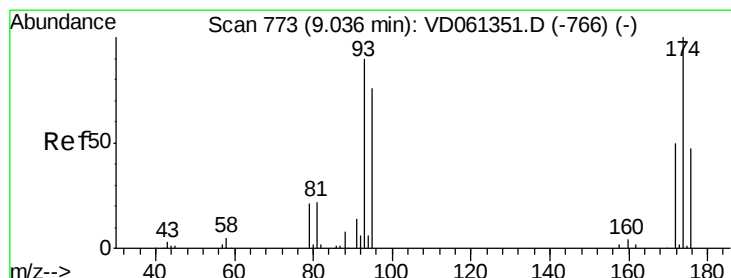
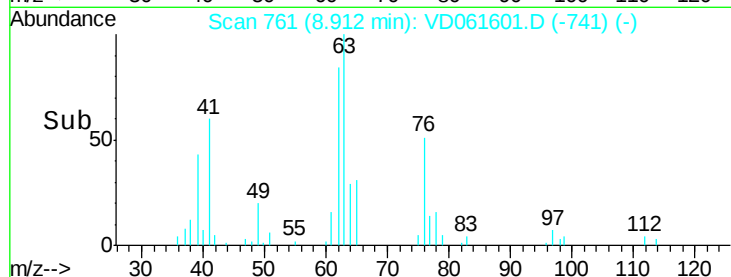
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 24.045 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

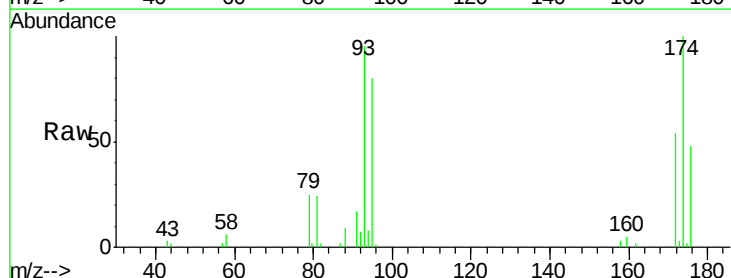
Tgt Ion: 93 Resp: 70353

Ion Ratio Lower Upper

93 100

95 84.9 67.4 101.0

174 105.7 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.04

40000

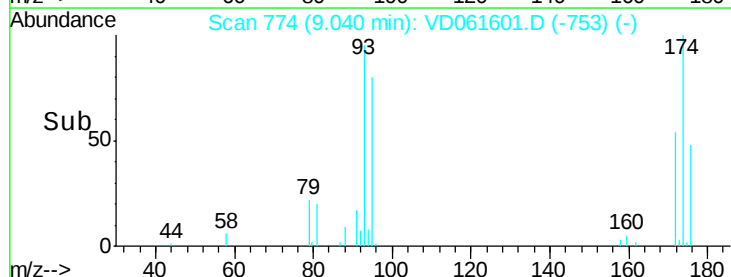
30000

20000

10000

0

Time--> 8.90 9.00 9.10





#47

Bromodichloromethane

Concen: 25.648 ug/l

RT: 9.34 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

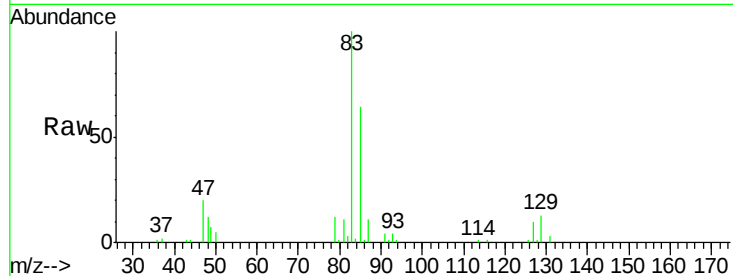
Tot Ion: 83 Resp: 168434

Ion Ratio Lower Upper

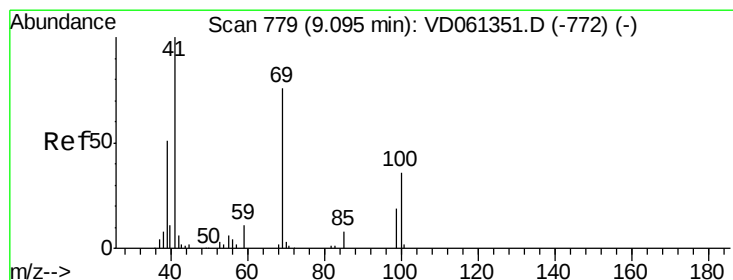
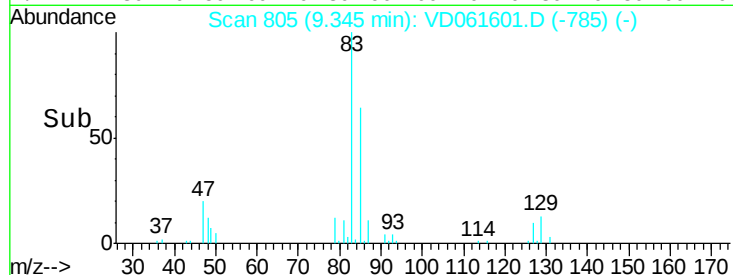
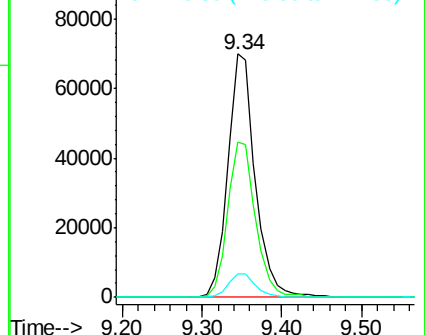
83 100

85 63.9 53.0 79.4

127 9.5 8.4 12.6



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: 25.932 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

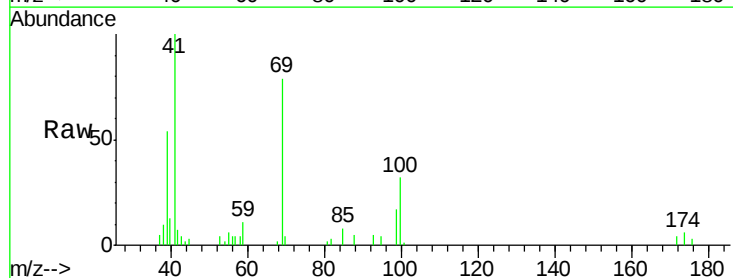
Tgt Ion: 41 Resp: 60833

Ion Ratio Lower Upper

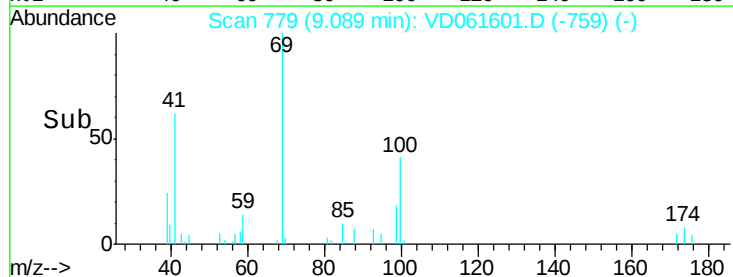
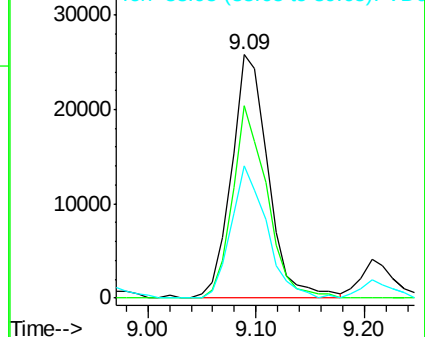
41 100

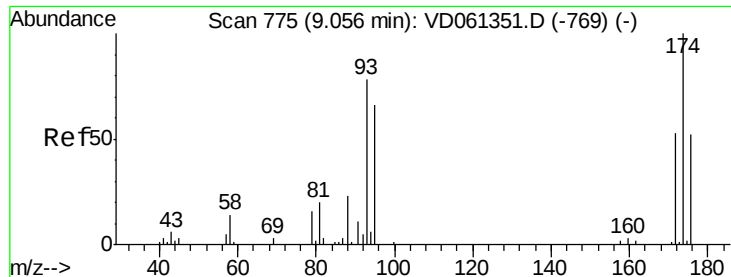
69 79.1 60.2 90.4

39 54.4 41.4 62.2



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: 456.553 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

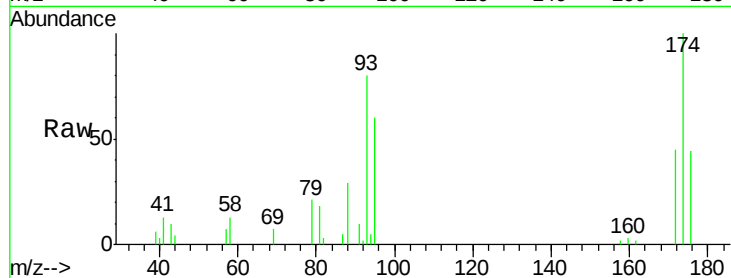
Tot Ion: 88 Resp: 11813

Ion Ratio Lower Upper

88 100

43 33.4 23.3 34.9

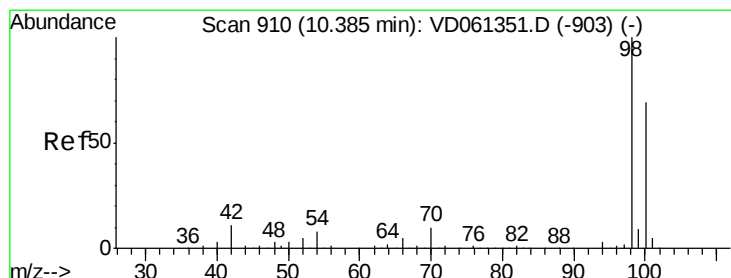
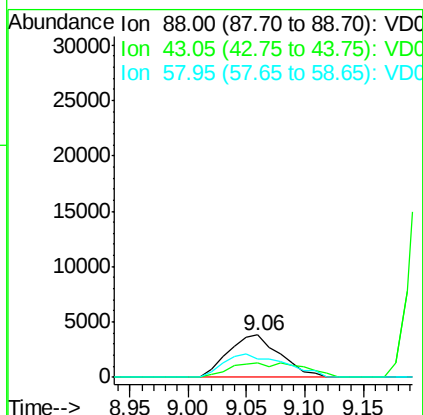
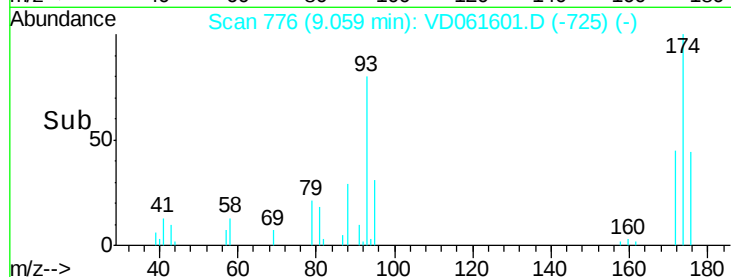
58 43.8 50.8 76.2#



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: 456.553 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061601.D

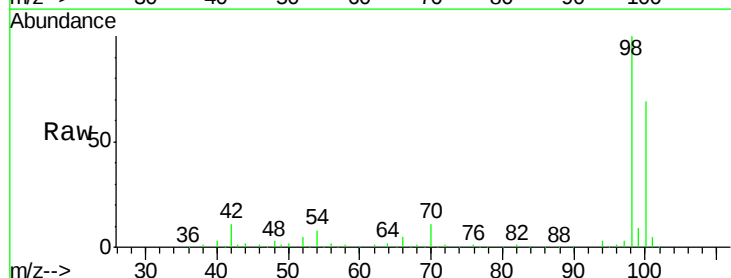
Acq: 5 Apr 2019 3:51

Tgt Ion: 98 Resp: 744668

Ion Ratio Lower Upper

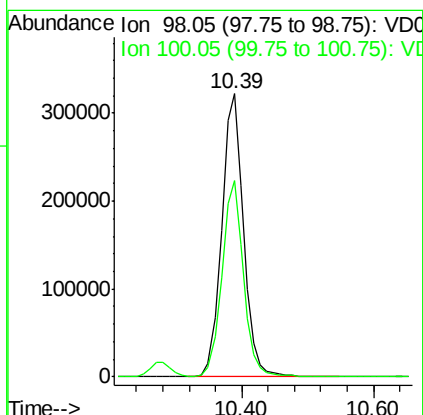
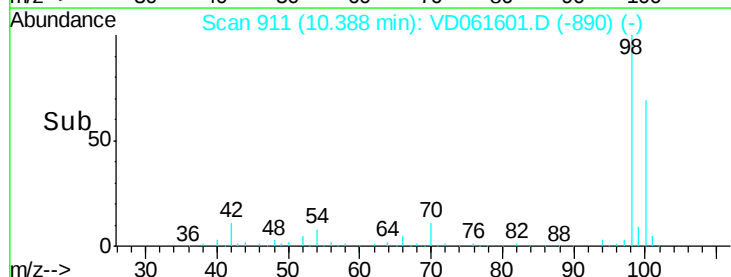
98 100

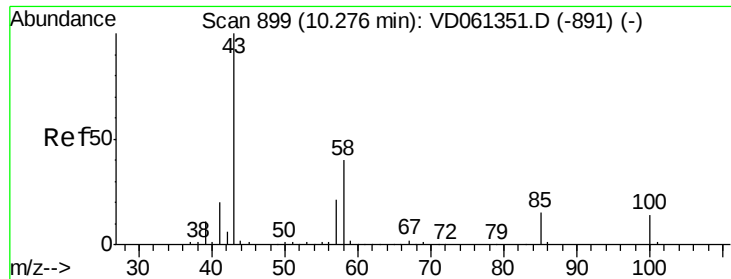
100 69.4 56.2 84.2



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: 122.362 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

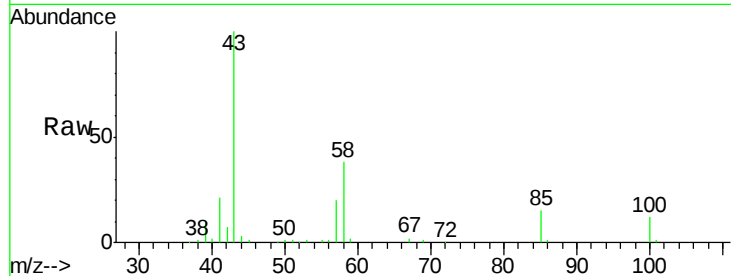
VD0404SBS02

Tot Ion: 43 Resp: 316430

Ion Ratio Lower Upper

43 100

58 38.4 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

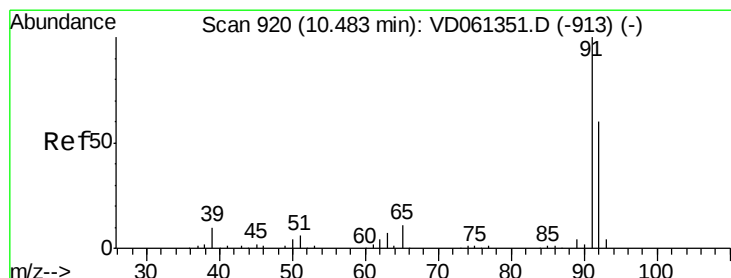
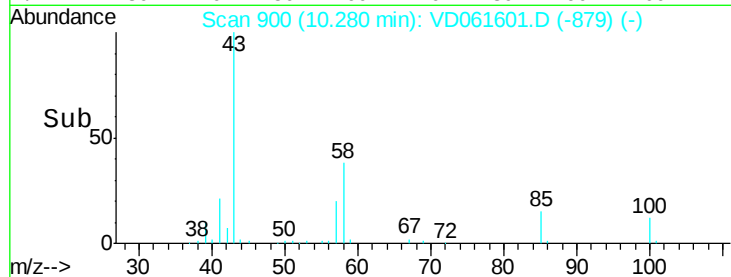
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 25.031 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061601.D

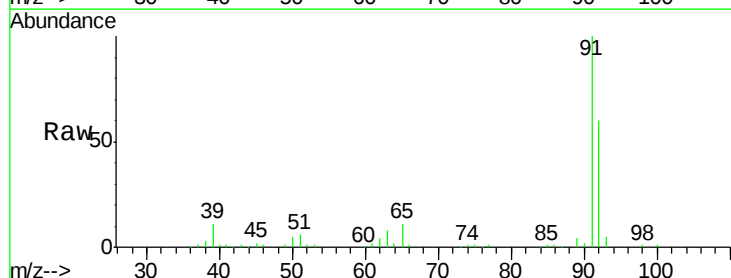
Acq: 5 Apr 2019 3:51

Tgt Ion: 92 Resp: 261790

Ion Ratio Lower Upper

92 100

91 165.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.48

200000

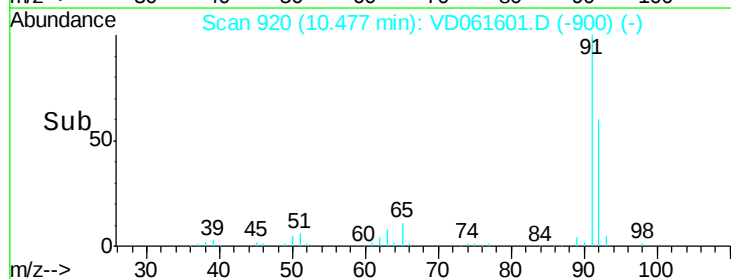
150000

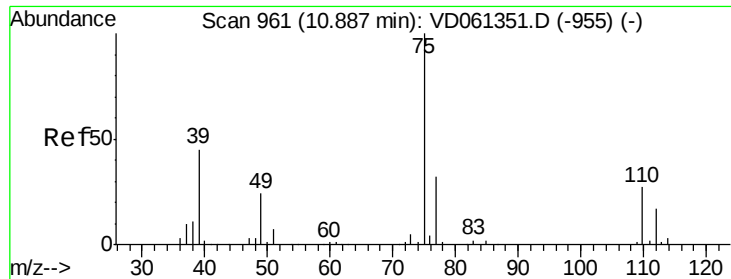
100000

50000

0

Time-->

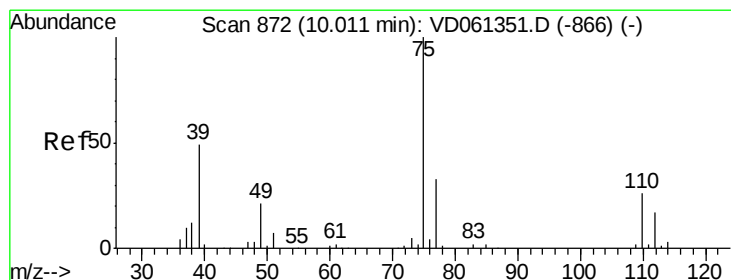
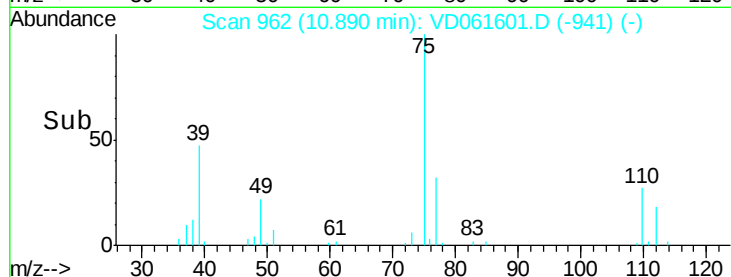
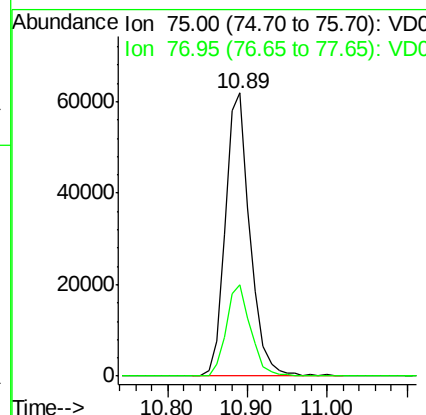
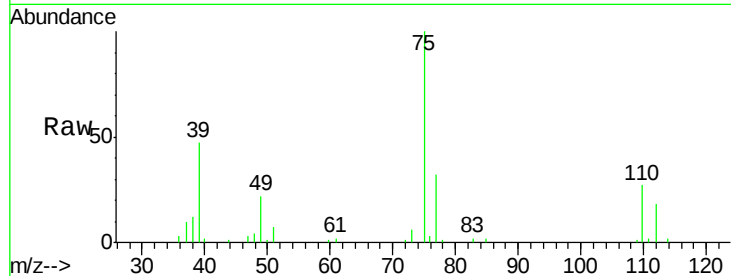




#53
 t-1,3-Dichloropropene
 Concen: 22.503 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

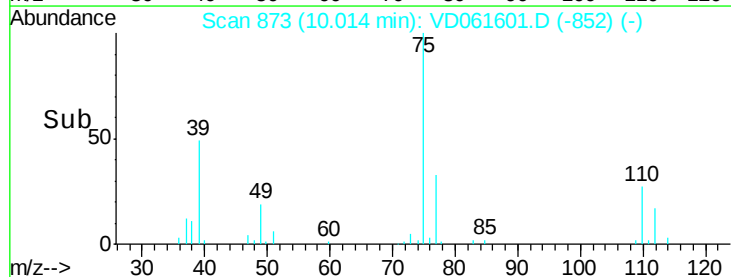
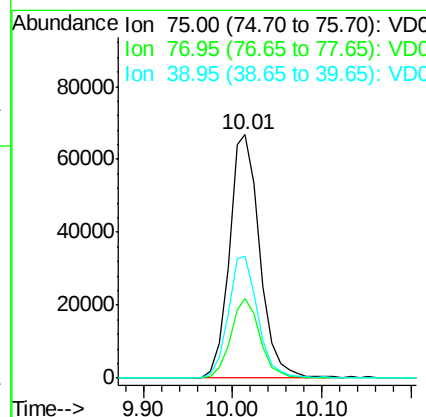
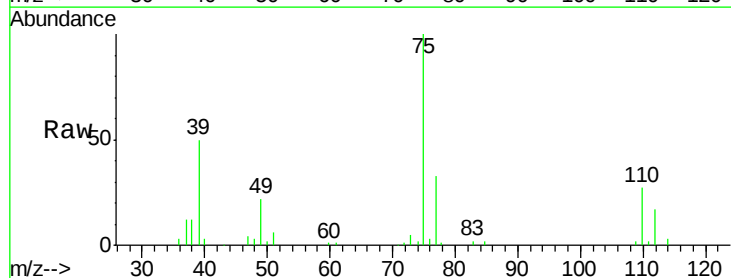
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

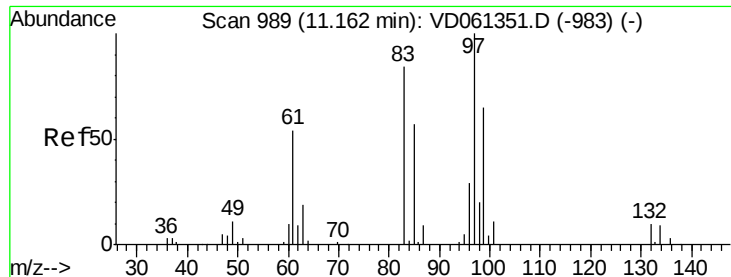
Tot Ion: 75 Resp: 134264
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.954 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 75 Resp: 159500
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.2 39.4
 39 49.9 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 22.775 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

Tot Ion: 97 Resp: 83302

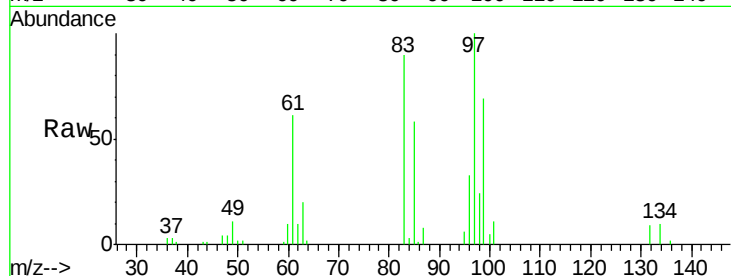
Ion Ratio Lower Upper

97 100

83 90.2 67.0 100.6

85 57.8 45.4 68.2

99 69.1 51.9 77.9

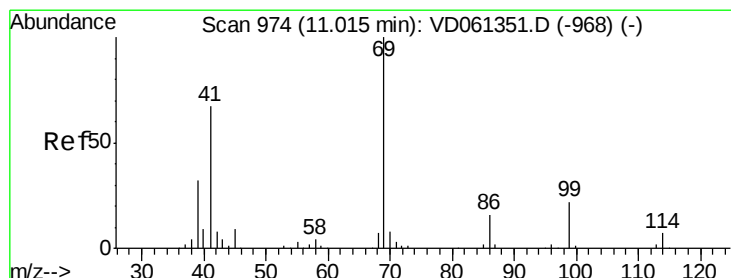
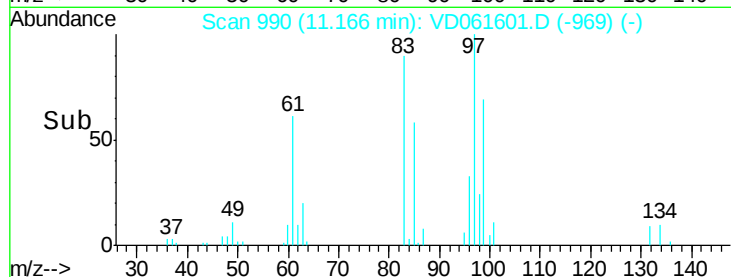
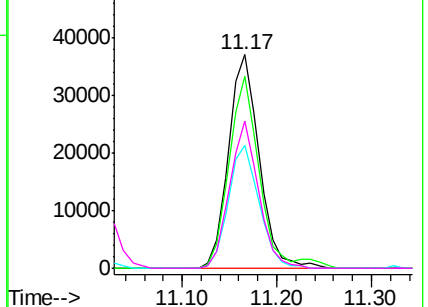


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.583 ug/l

RT: 11.02 min Scan# 975

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

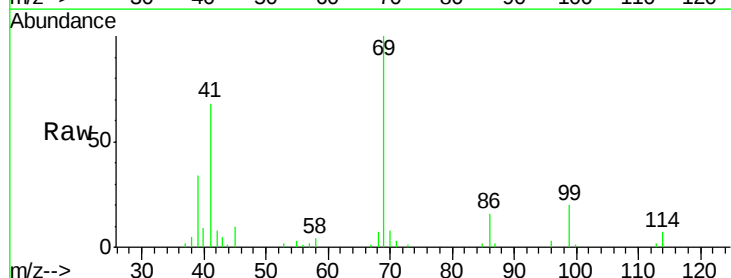
Tgt Ion: 69 Resp: 92665

Ion Ratio Lower Upper

69 100

41 68.2 53.8 80.6

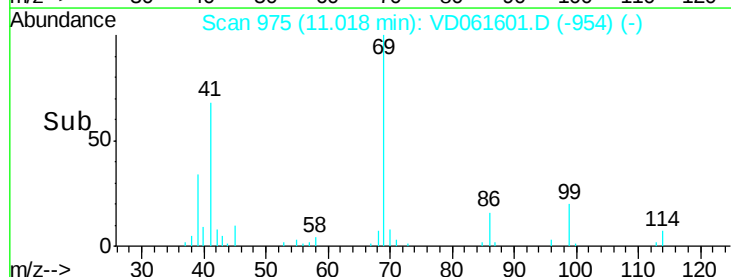
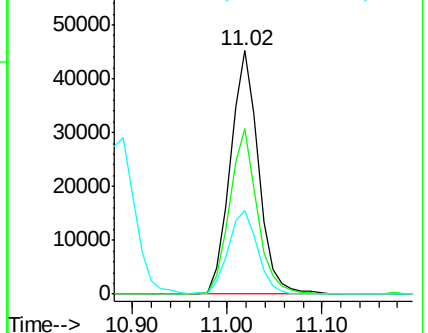
39 34.3 26.4 39.6

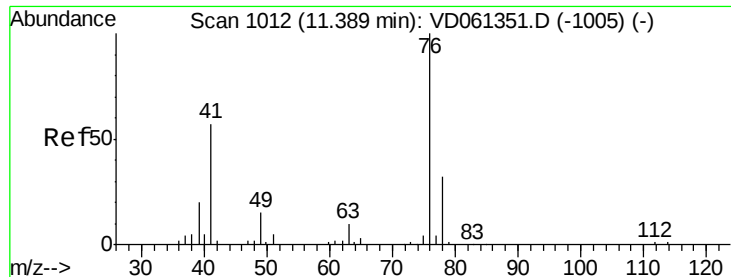


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

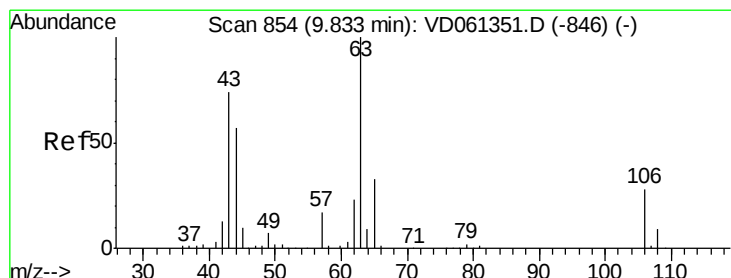
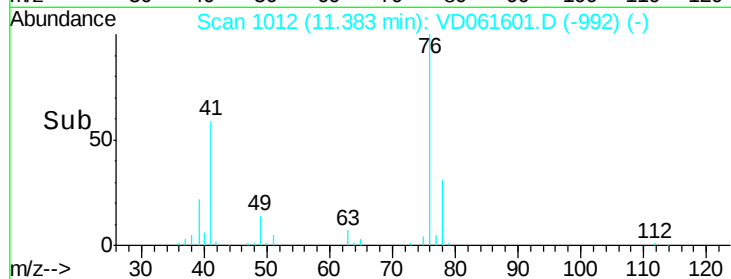
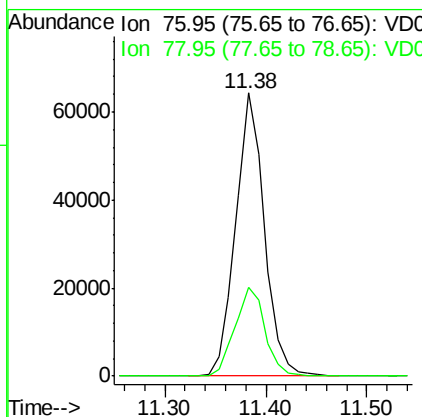
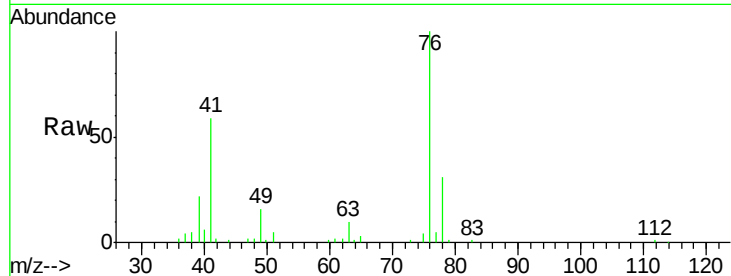




#57
 1,3-Dichloropropane
 Concen: 23.620 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

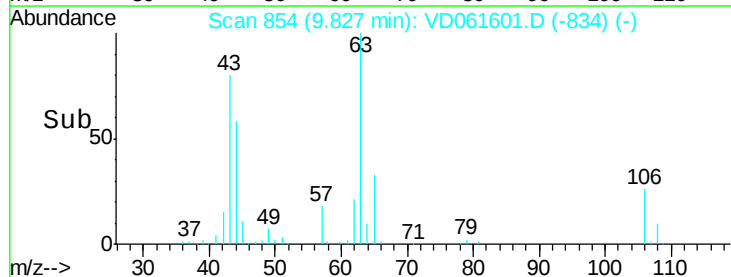
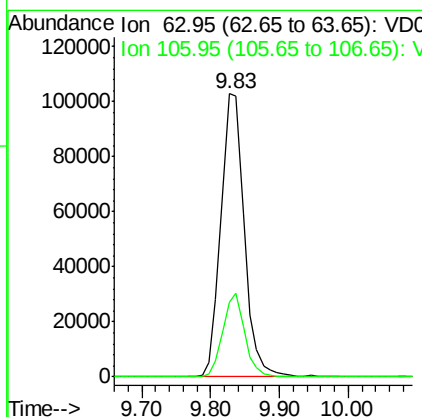
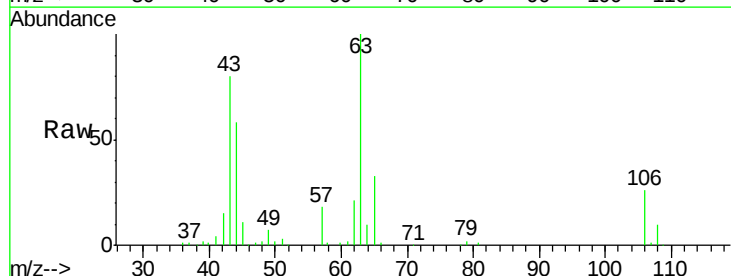
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

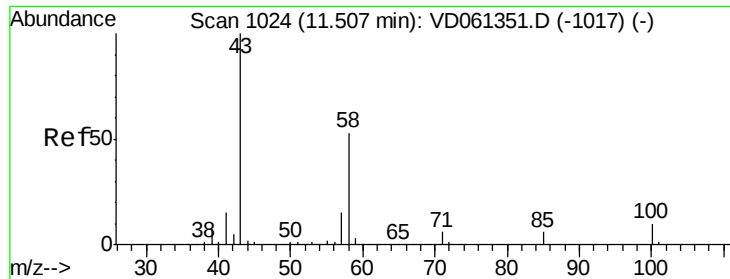
Tot Ion: 76 Resp: 126983
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.889 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 63 Resp: 242810
 Ion Ratio Lower Upper
 63 100
 106 26.3 22.4 33.6





#59

2-Hexanone

Concen: 127.867 ug/l

RT: 11.51 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

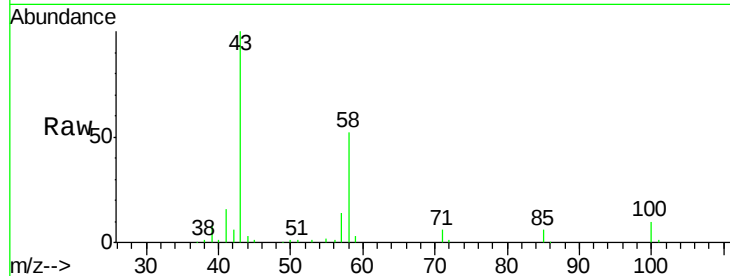
VD0404SBS02

Tot Ion: 43 Resp: 239577

Ion Ratio Lower Upper

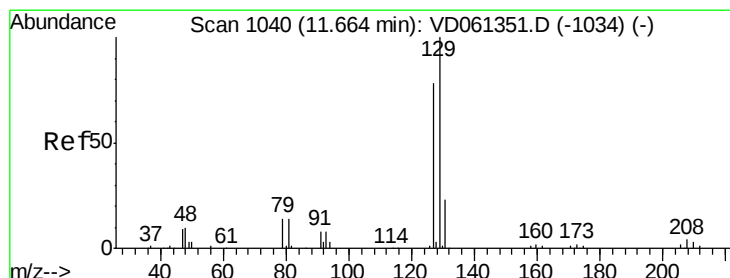
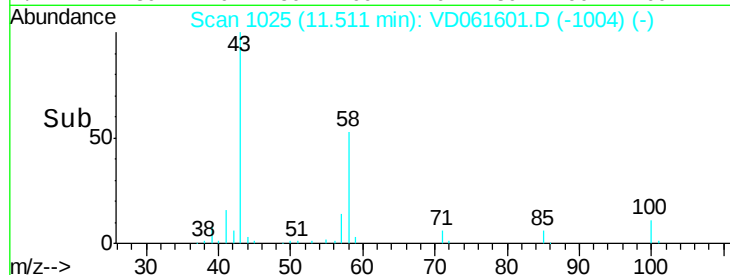
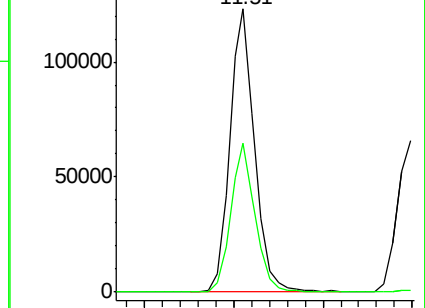
43 100

58 52.5 26.3 78.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 24.965 ug/l

RT: 11.66 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VD061601.D

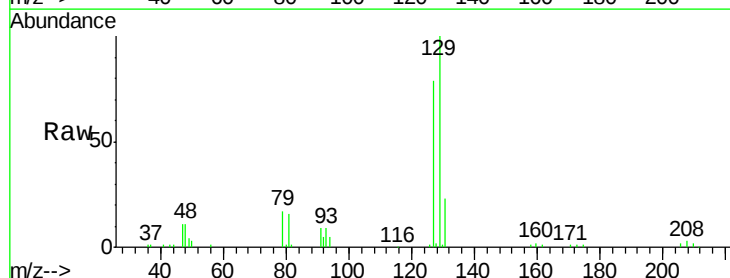
Acq: 5 Apr 2019 3:51

Tgt Ion:129 Resp: 140769

Ion Ratio Lower Upper

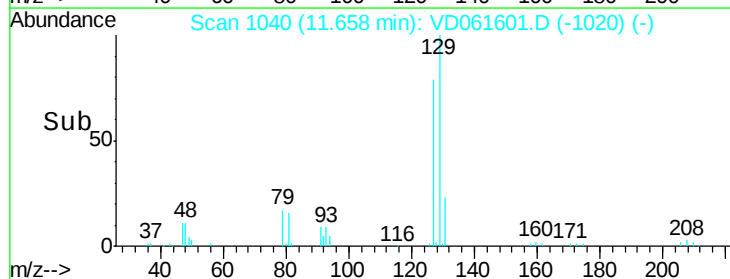
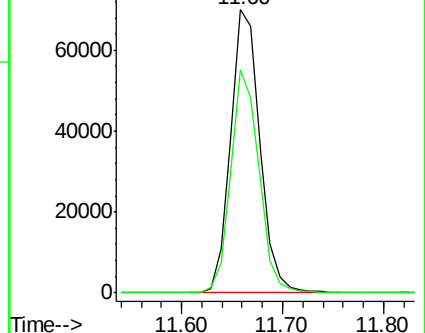
129 100

127 79.1 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

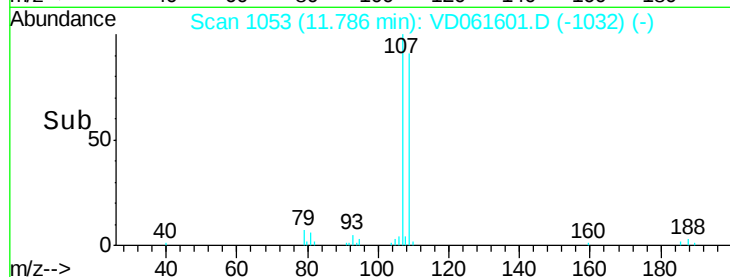
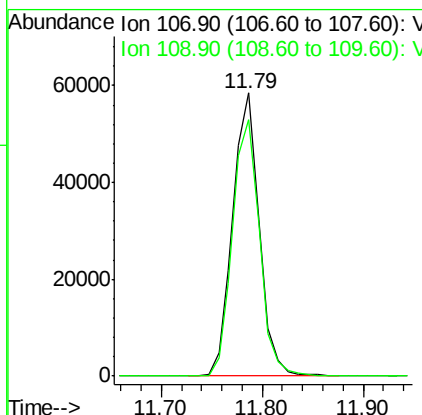
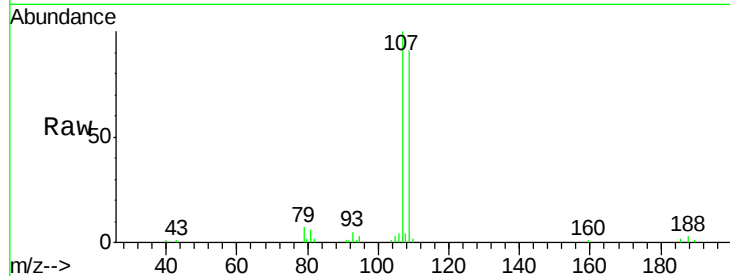




#61
 1,2-Dibromoethane
 Concen: 25.221 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

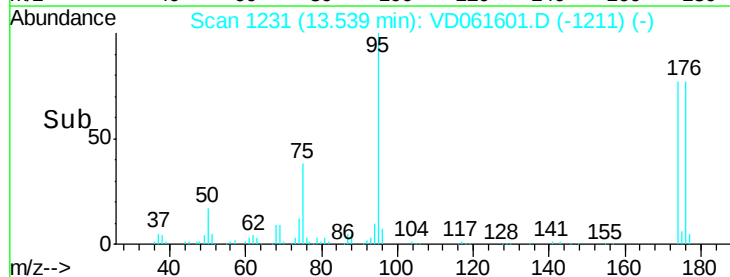
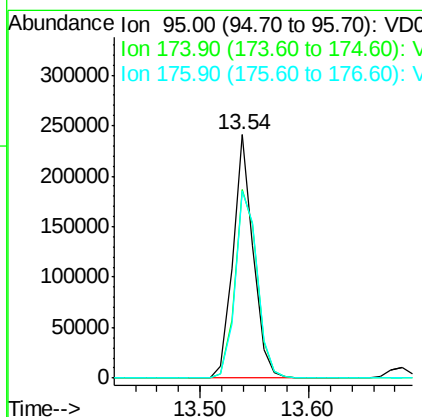
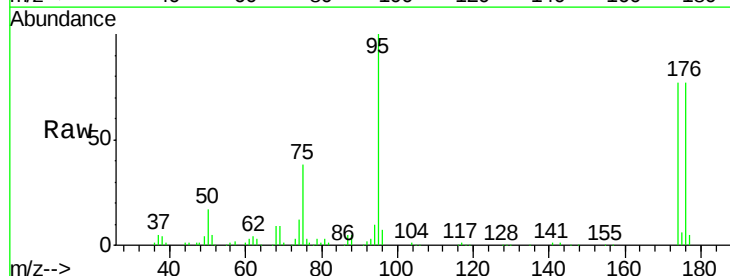
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Tot Ion: 107 Resp: 106820
 Ion Ratio Lower Upper
 107 100
 109 90.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 25.221 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 95 Resp: 312989
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 178.0
 176 77.1 0.0 175.0

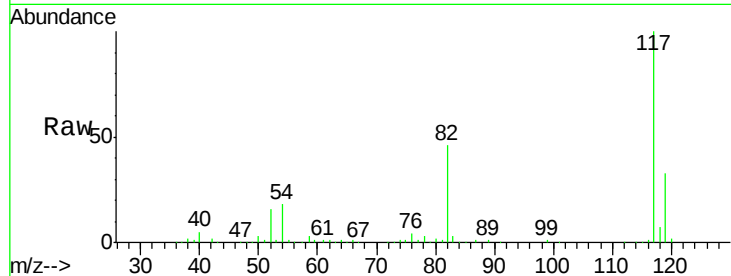




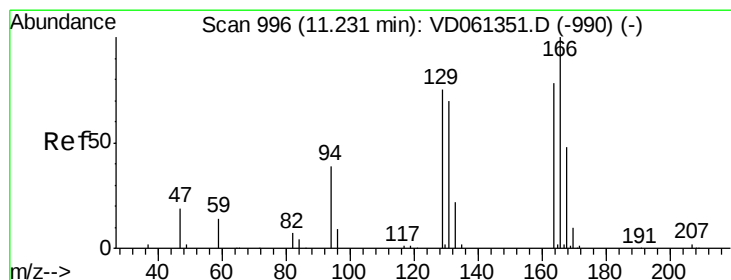
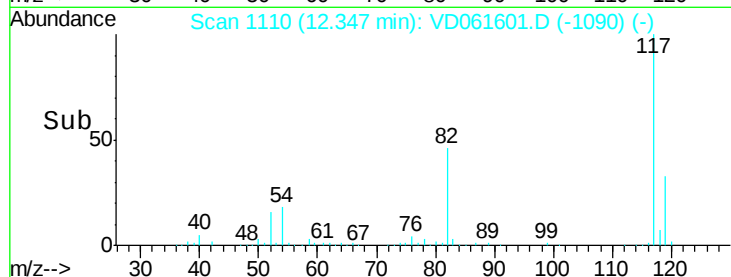
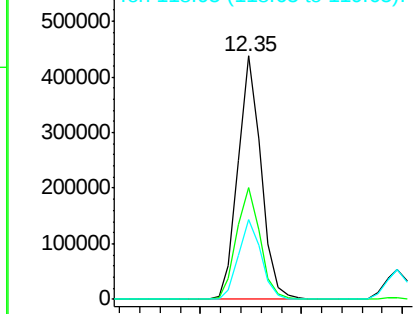
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion:117 Resp: 697626
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 32.7 25.8 38.6

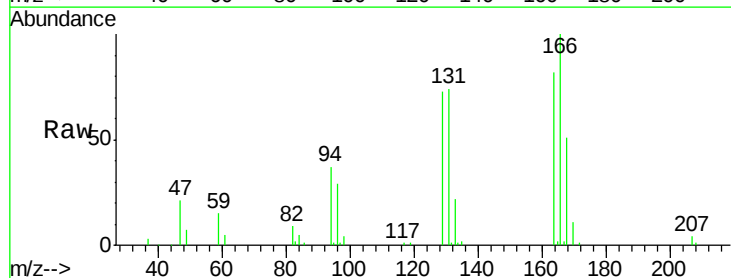


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

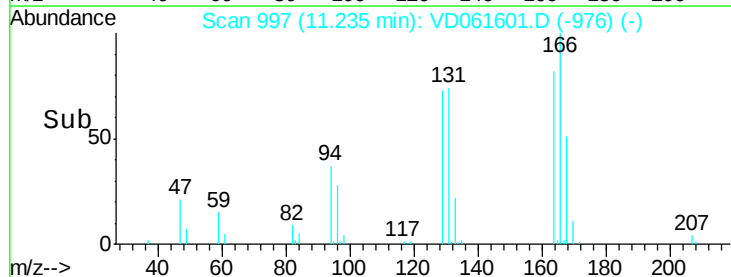
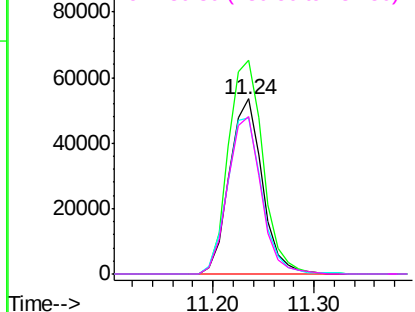


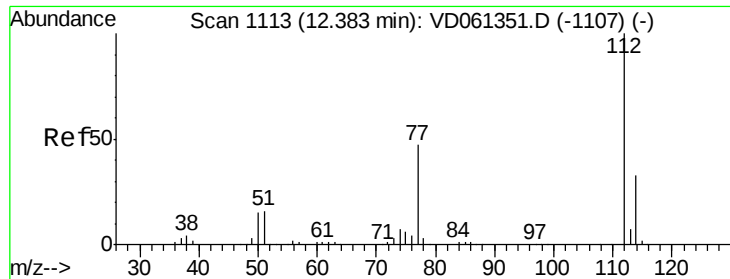
#64
Tetrachloroethene
Concen: 22.138 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion:164 Resp: 121209
Ion Ratio Lower Upper
164 100
166 121.8 102.4 153.6
129 89.0 76.8 115.2
131 90.0 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

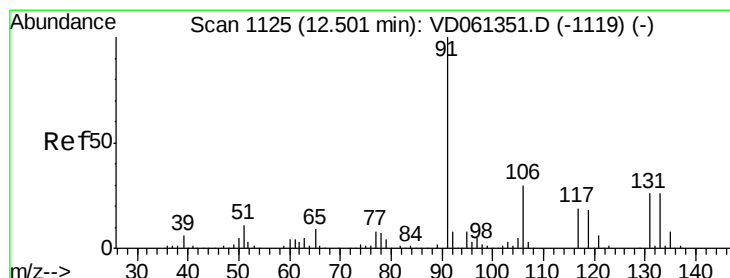
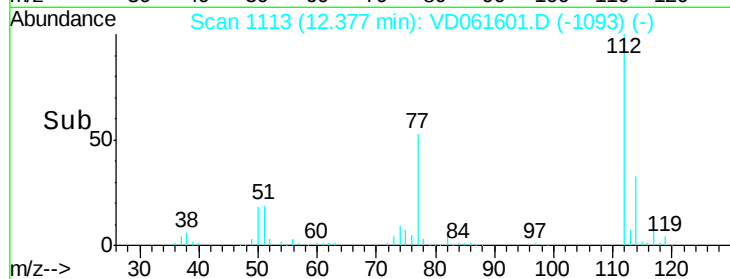
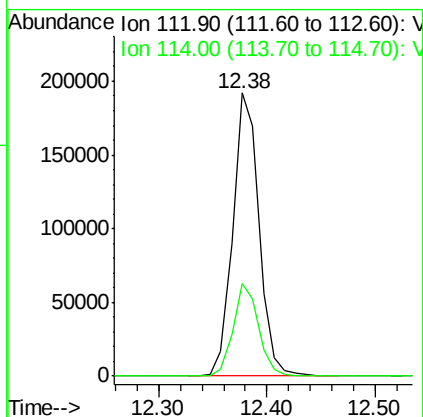
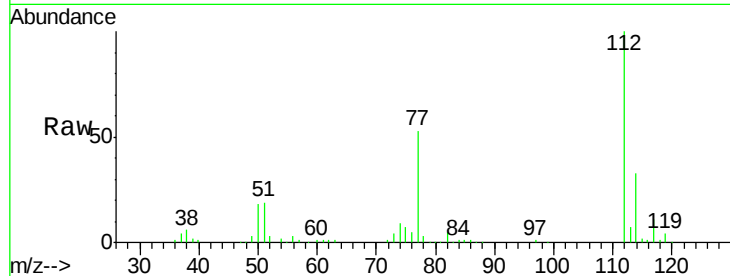




#65
Chlorobenzene
Concen: 22.580 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

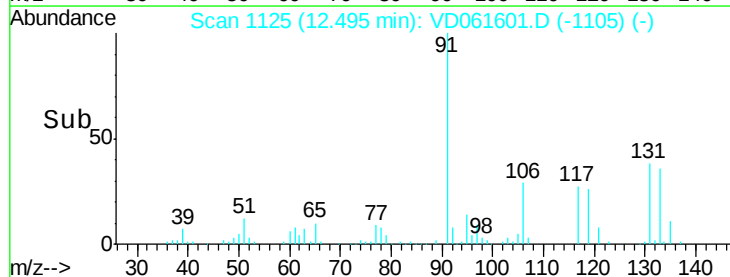
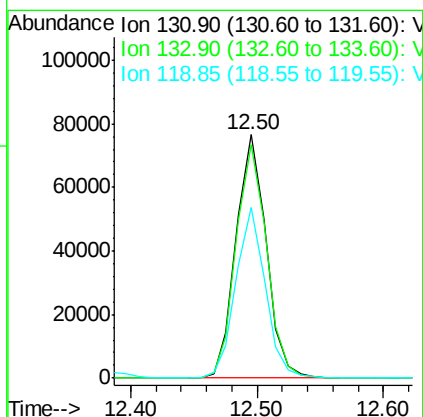
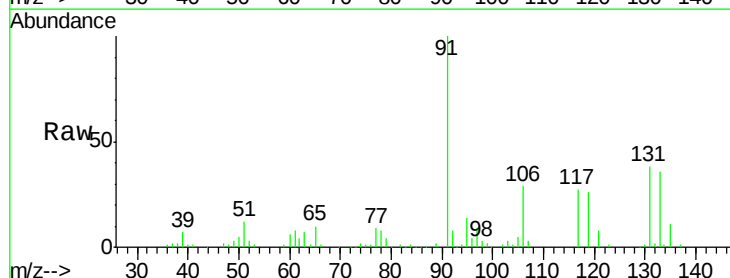
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion:112 Resp: 321929
Ion Ratio Lower Upper
112 100
114 32.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.970 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion:131 Resp: 126798
Ion Ratio Lower Upper
131 100
133 96.0 49.4 148.2
119 70.0 34.1 102.2

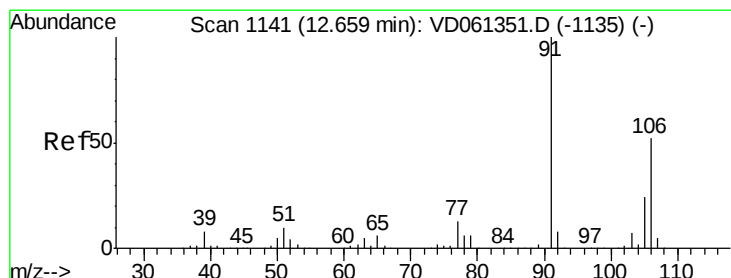
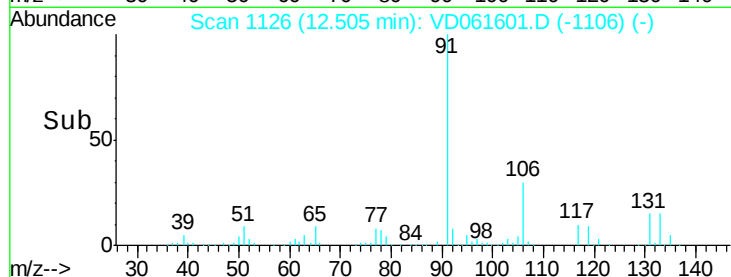
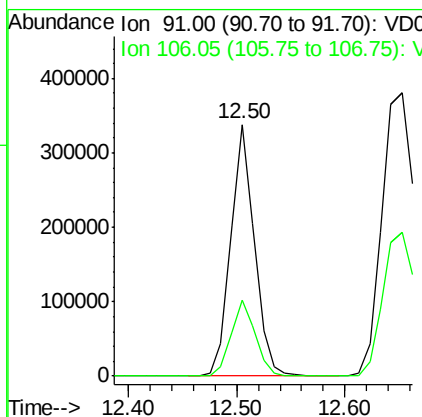
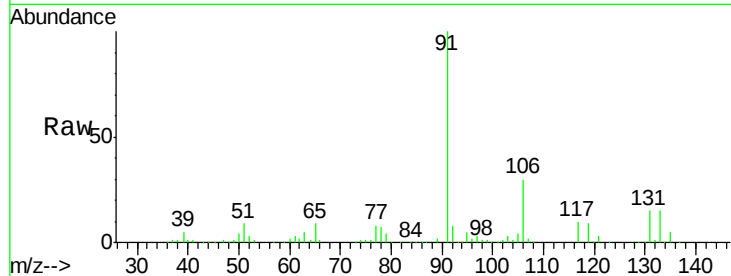




#67
Ethyl Benzene
Concen: 23.829 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

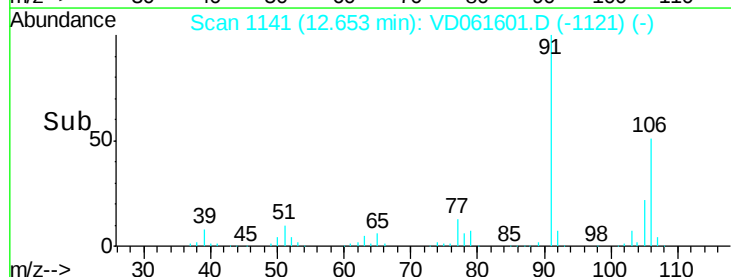
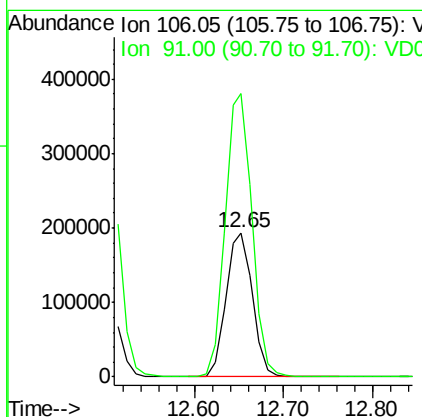
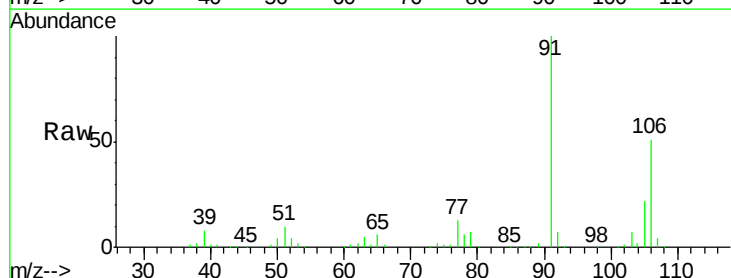
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion: 91 Resp: 518557
Ion Ratio Lower Upper
91 100
106 30.2 26.1 39.1



#68
m/p-Xylenes
Concen: 48.801 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion: 106 Resp: 402290
Ion Ratio Lower Upper
106 100
91 196.0 153.1 229.7

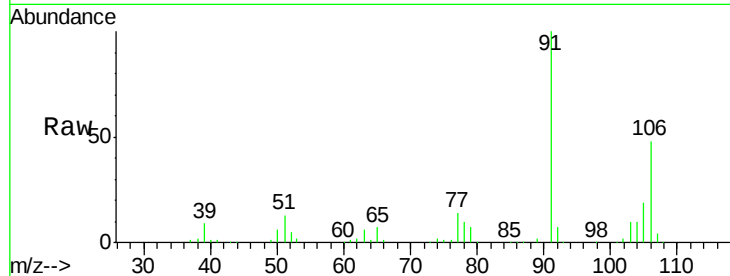




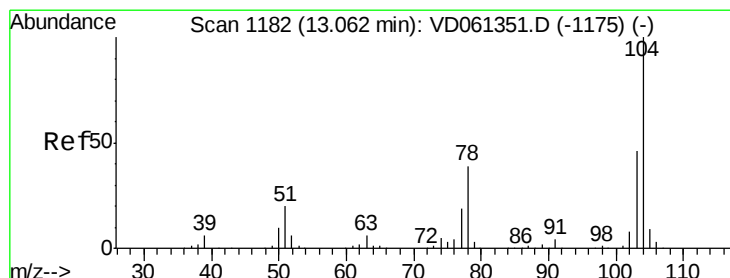
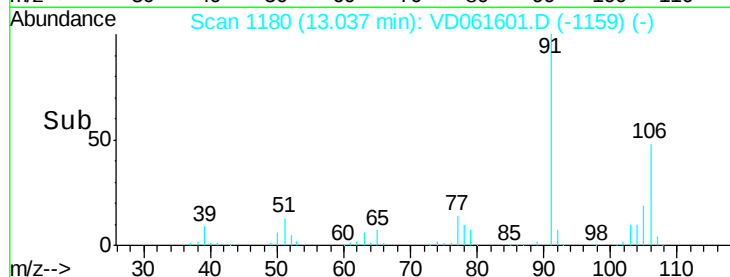
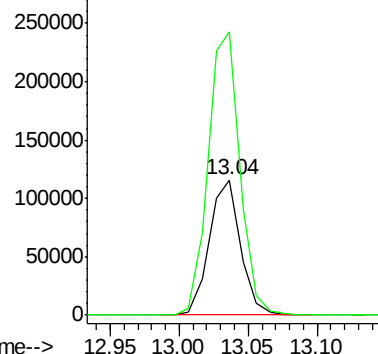
#69
o-Xylene
Concen: 22.824 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Instrument :
MSVOA_D
ClientSampleID :
VD0404SBS02

Tot Ion:106 Resp: 182580
Ion Ratio Lower Upper
106 100
91 209.0 103.8 311.3

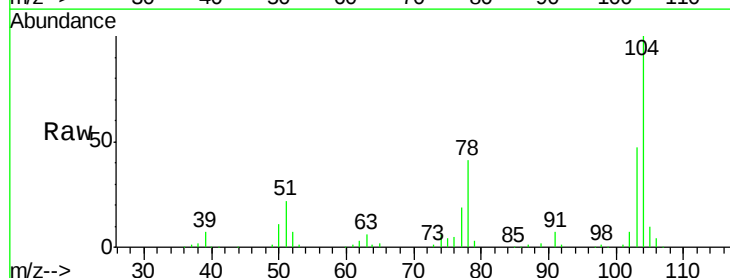


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

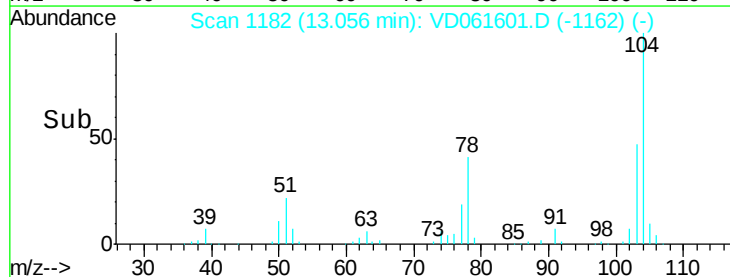
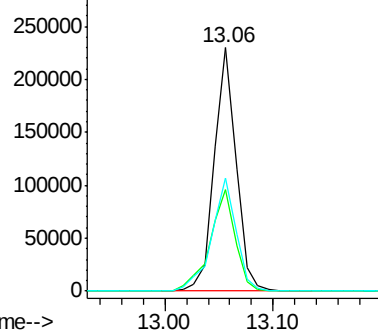


#70
Styrene
Concen: 23.003 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion:104 Resp: 320769
Ion Ratio Lower Upper
104 100
78 41.5 31.0 46.6
103 46.7 37.0 55.4



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

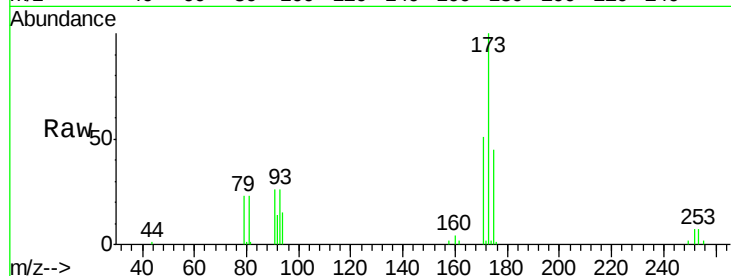




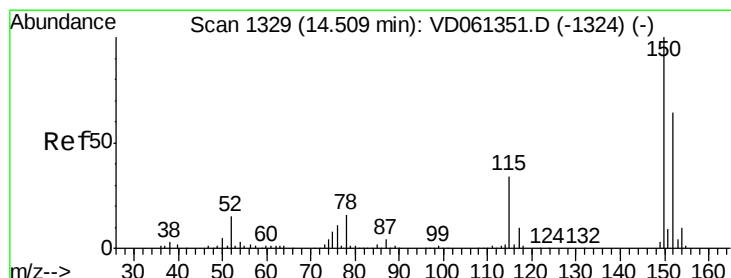
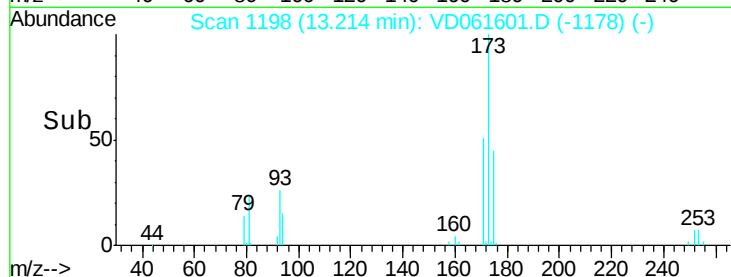
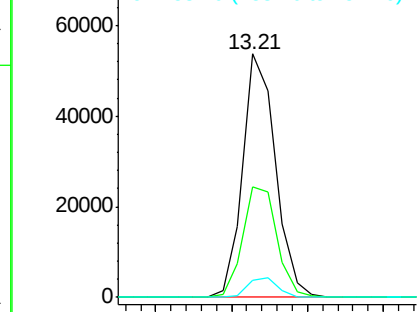
#71
Bromoform
Concen: 23.054 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion:173 Resp: 80673
Ion Ratio Lower Upper
173 100
175 45.5 24.6 73.8
254 7.1 6.6 10.0

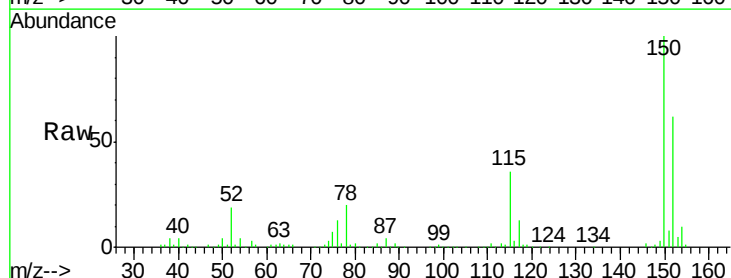


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

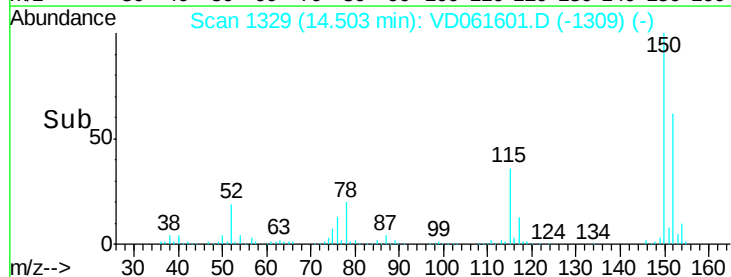
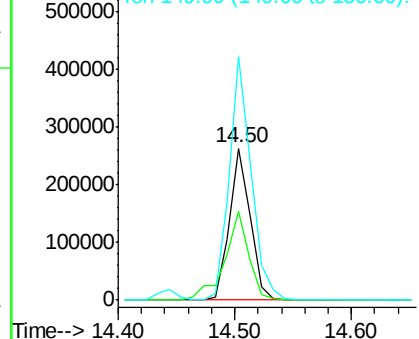


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion:152 Resp: 326043
Ion Ratio Lower Upper
152 100
115 58.2 26.9 80.6
150 160.6 0.0 318.0



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: 22.865 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

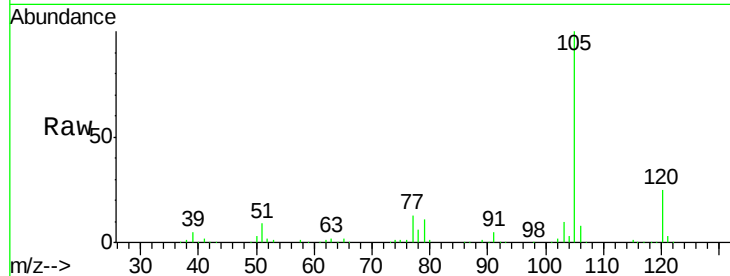
VD0404SBS02

Tot Ion:105 Resp: 518863

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

300000

200000

100000

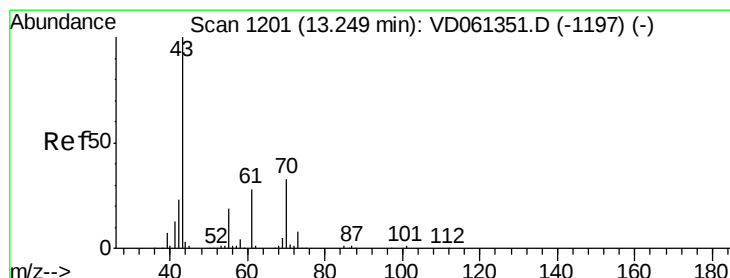
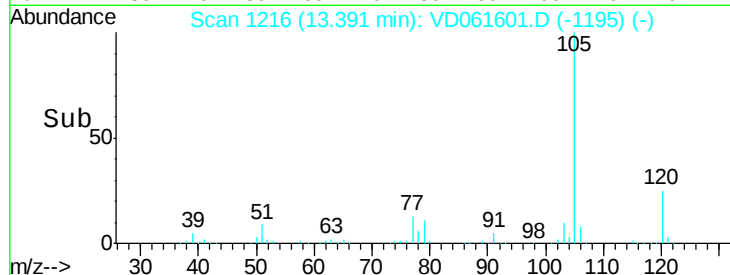
0

Time-->

13.30

13.40

13.50



#74

N-ethyl acetate

Concen: 21.823 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Tgt Ion: 43 Resp: 137954

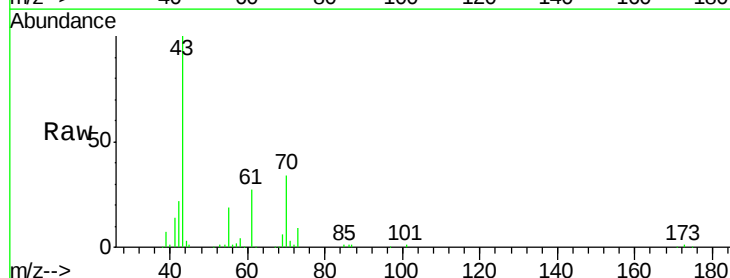
Ion Ratio Lower Upper

43 100

70 34.0 26.6 40.0

55 18.9 15.4 23.2

61 27.4 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

150000

100000

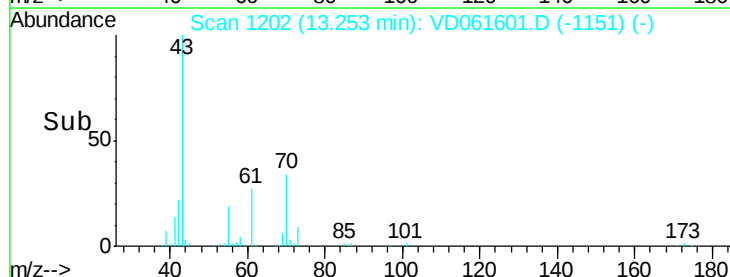
50000

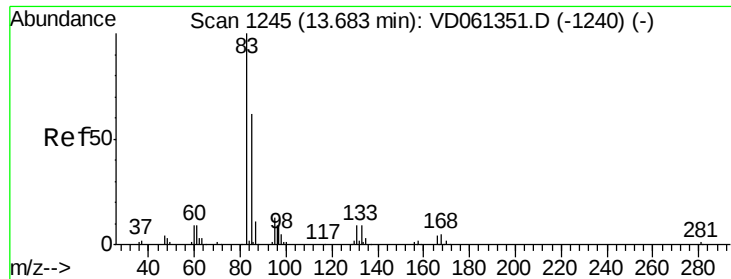
0

Time-->

13.20

13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.971 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

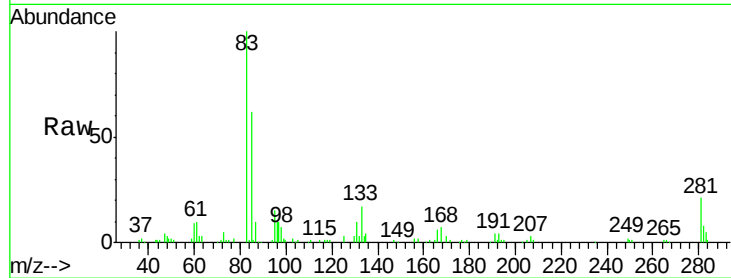
Tot Ion: 83 Resp: 105175

Ion Ratio Lower Upper

83 100

131 9.9 4.3 13.1

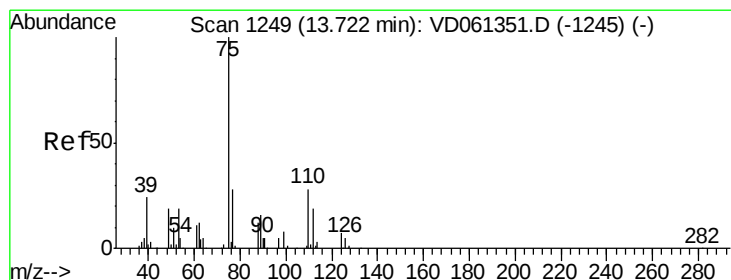
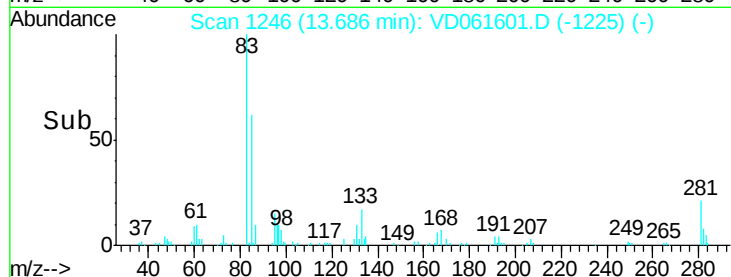
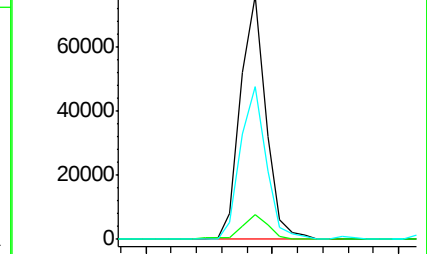
85 62.5 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.372 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061601.D

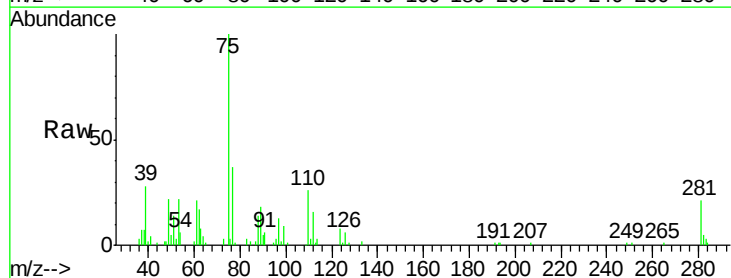
Acq: 5 Apr 2019 3:51

Tgt Ion: 75 Resp: 100656

Ion Ratio Lower Upper

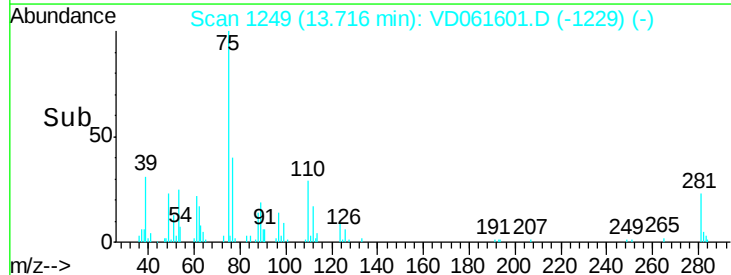
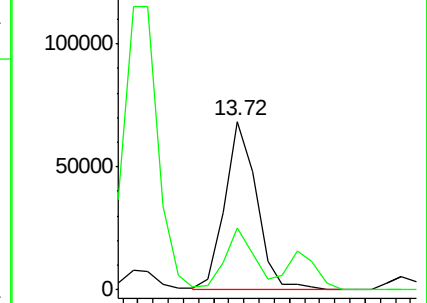
75 100

77 36.6 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.937 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

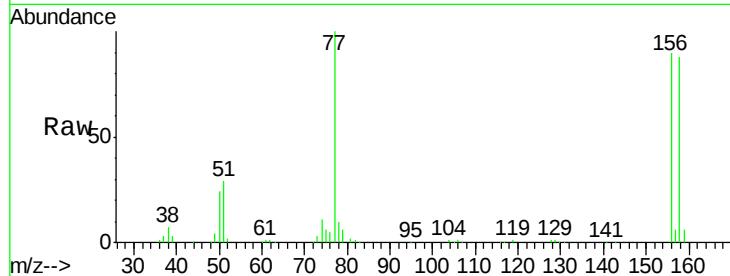
Tot Ion:156 Resp: 147578

Ion Ratio Lower Upper

156 100

77 110.6 68.5 205.6

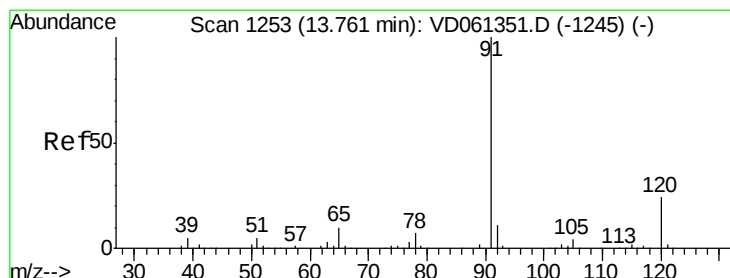
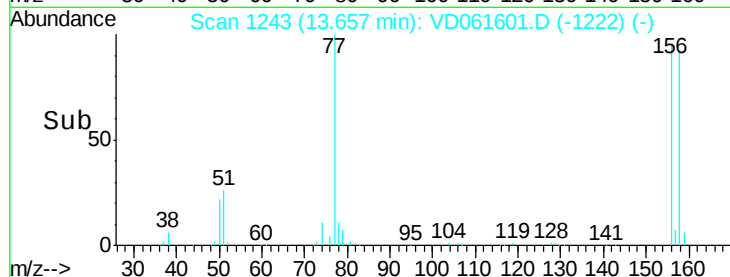
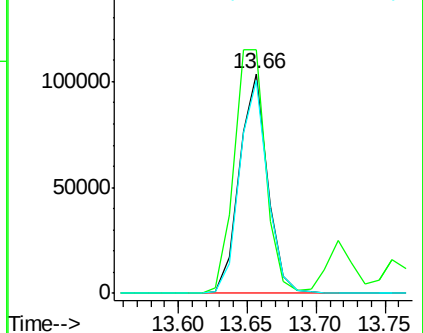
158 96.9 49.1 147.3



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: 21.315 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061601.D

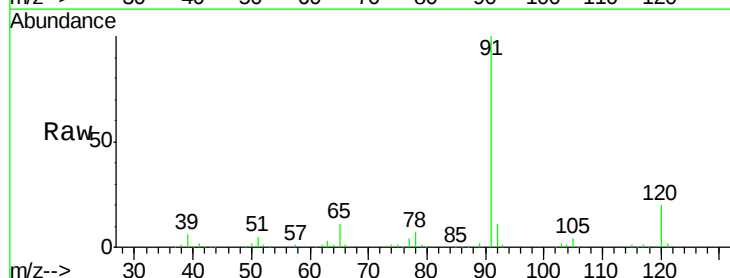
Acq: 5 Apr 2019 3:51

Tgt Ion: 91 Resp: 591914

Ion Ratio Lower Upper

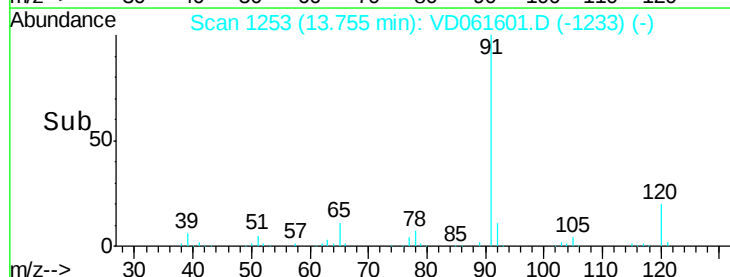
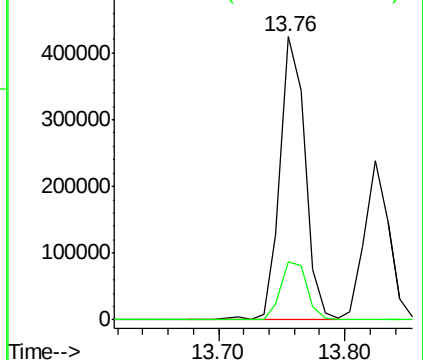
91 100

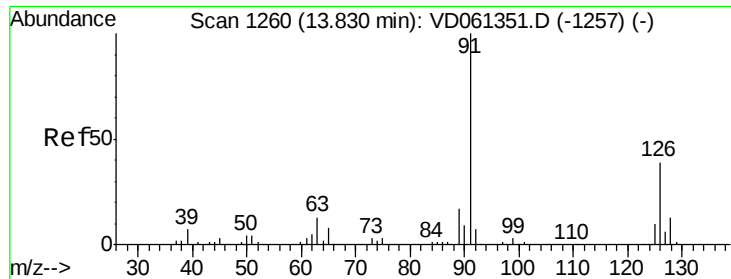
120 20.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

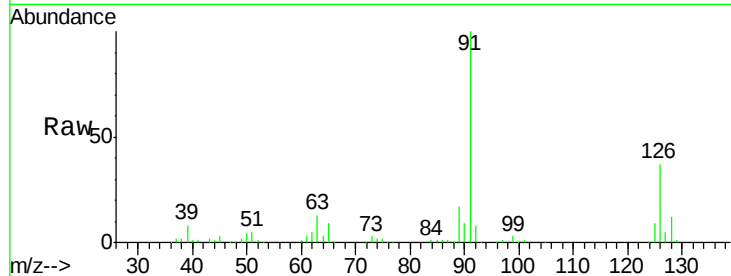




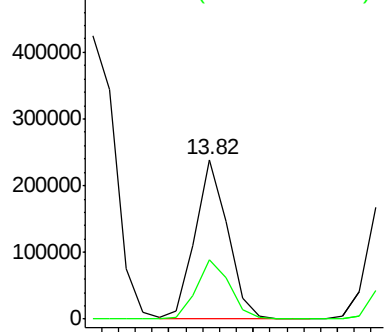
#79
2-Chlorotoluene
Concen: 21.372 ug/l
RT: 13.82 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

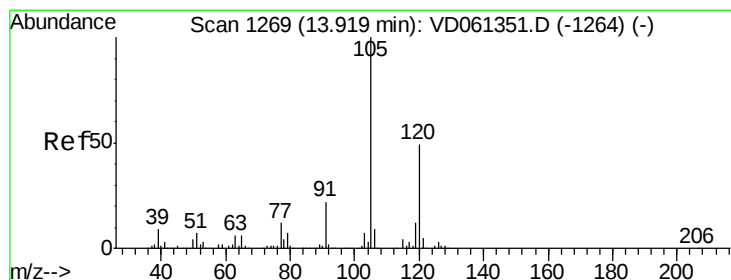
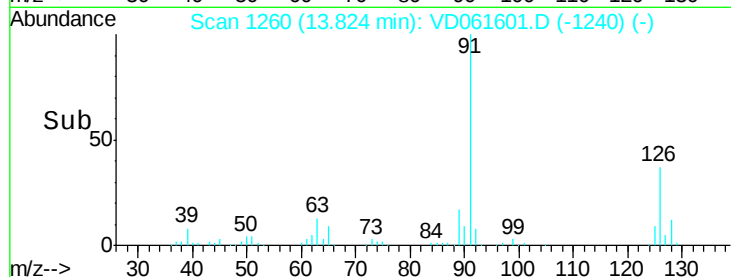
Tot Ion: 91 Resp: 322257
Ion Ratio Lower Upper
91 100
126 36.9 19.4 58.2



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

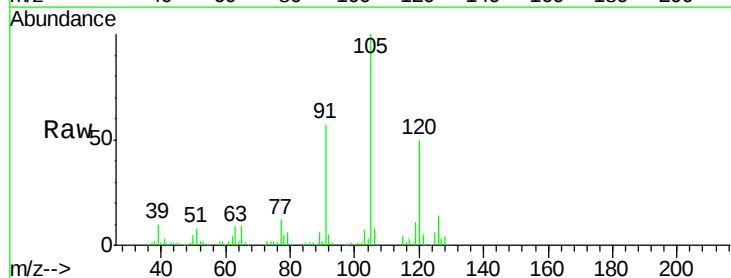


Time-->

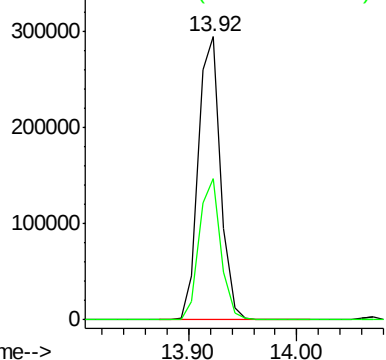


#80
1,3,5-Trimethylbenzene
Concen: 24.010 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

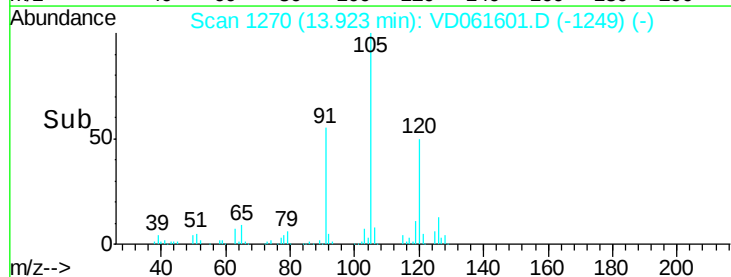
Tgt Ion: 105 Resp: 422730
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.6



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



Time-->

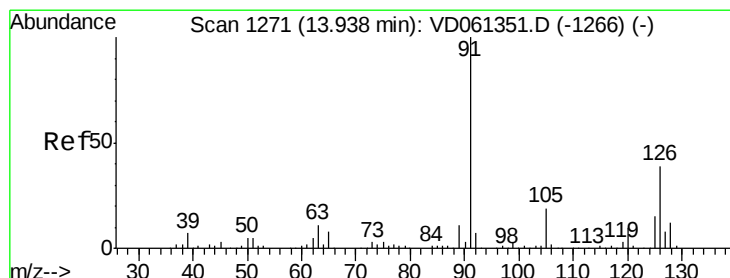
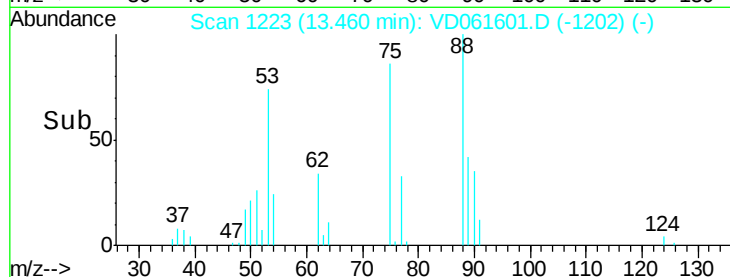
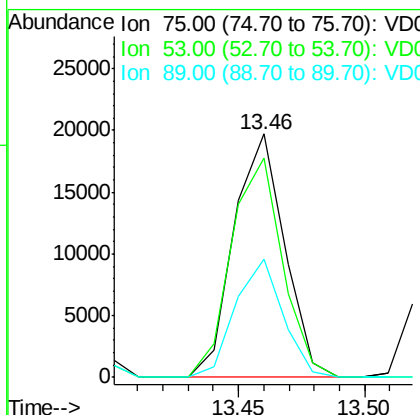
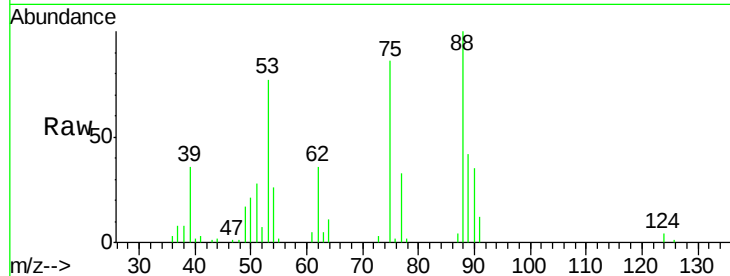




#81
trans-1,4-Dichloro-2-butene
Concen: 19.163 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

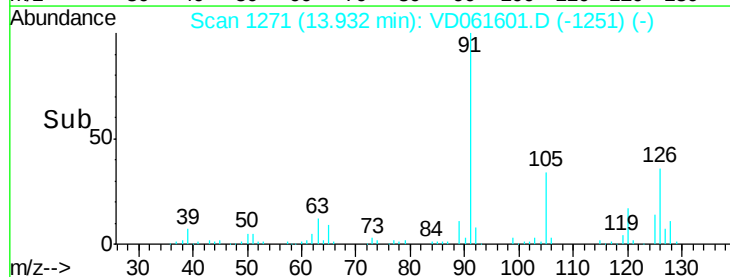
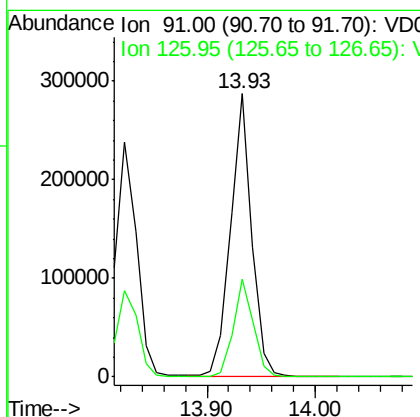
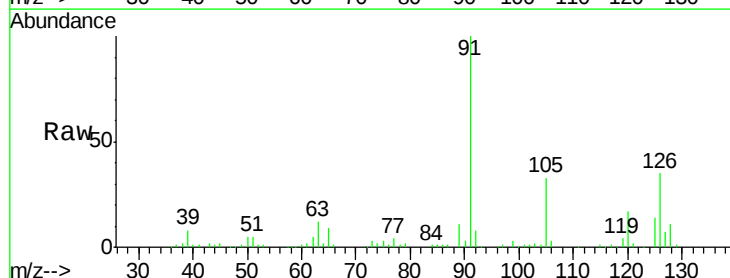
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

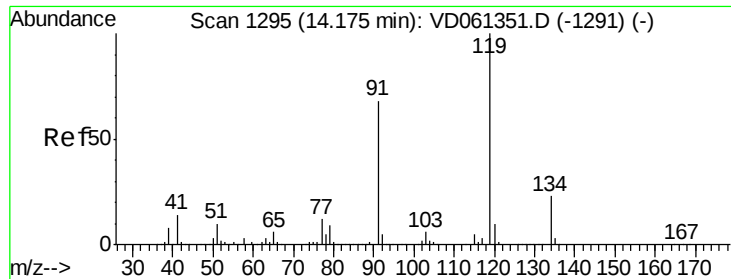
Tot Ion: 75 Resp: 27519
Ion Ratio Lower Upper
75 100
53 90.0 63.8 95.8
89 48.6 30.5 45.7#



#82
4-Chlorotoluene
Concen: 23.824 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion: 91 Resp: 390596
Ion Ratio Lower Upper
91 100
126 34.7 19.6 58.8





#83

tert-Butylbenzene

Concen: 22.379 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

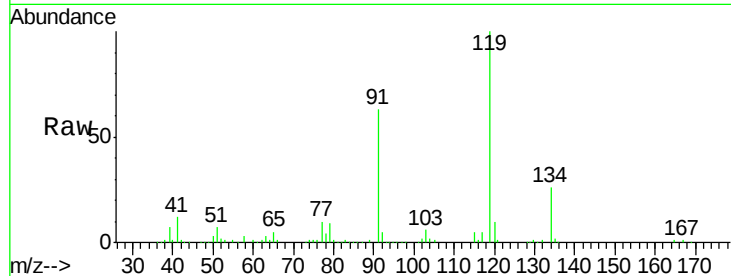
Tot Ion:119 Resp: 492416

Ion Ratio Lower Upper

119 100

91 63.2 34.1 102.3

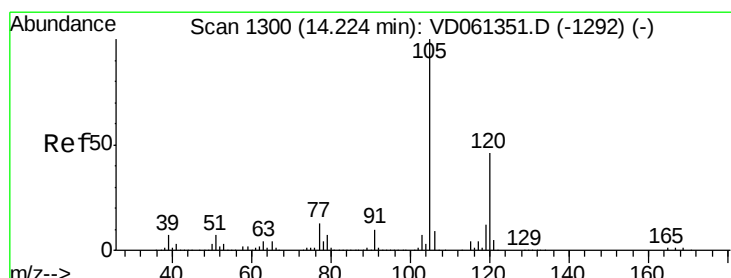
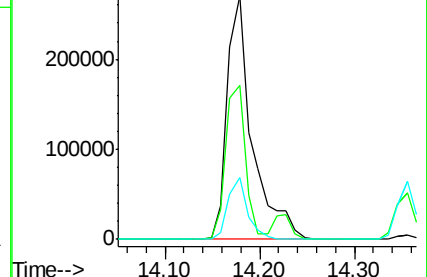
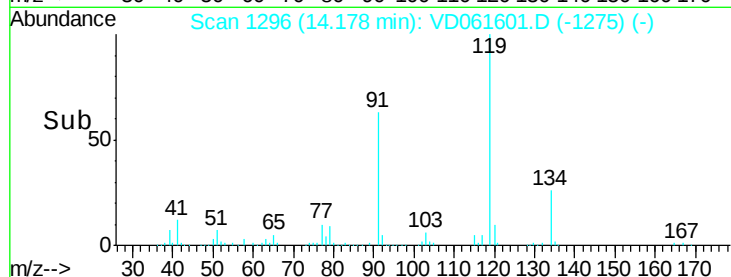
134 25.6 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.923 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061601.D

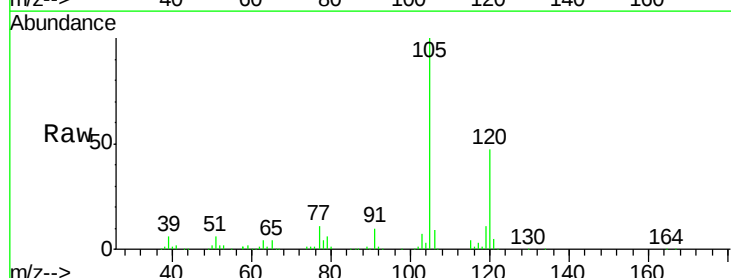
Acq: 5 Apr 2019 3:51

Tgt Ion:105 Resp: 398820

Ion Ratio Lower Upper

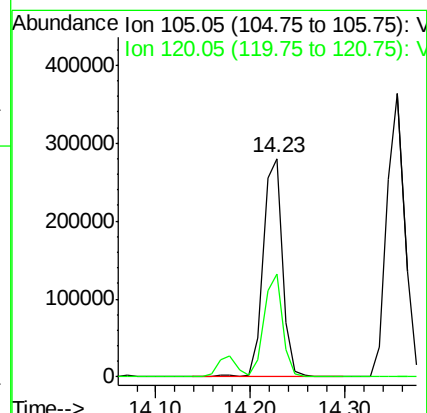
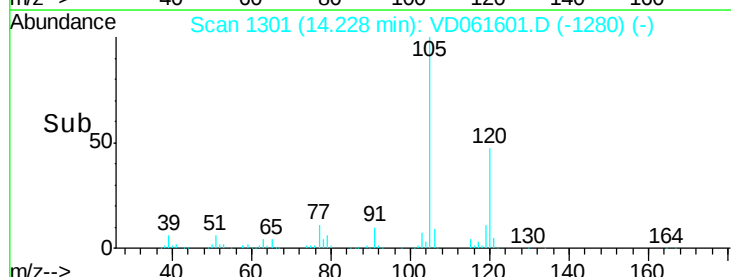
105 100

120 47.2 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.628 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

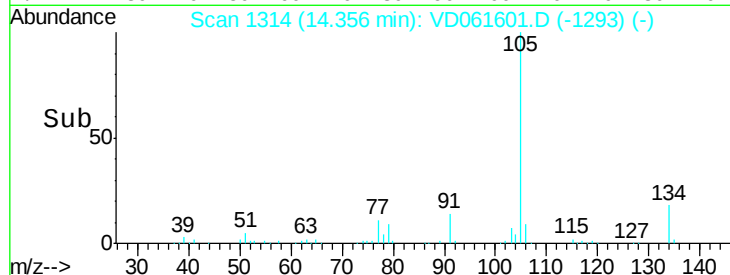
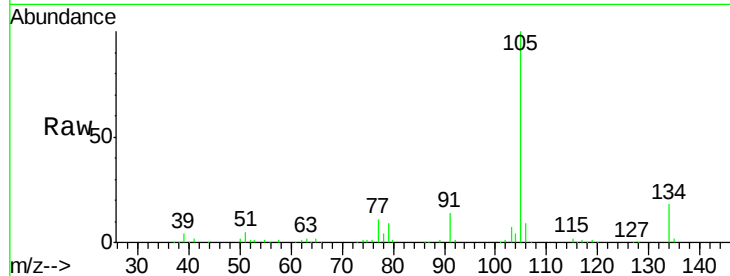
VD0404SBS02

Tot Ion:105 Resp: 482192

Ion Ratio Lower Upper

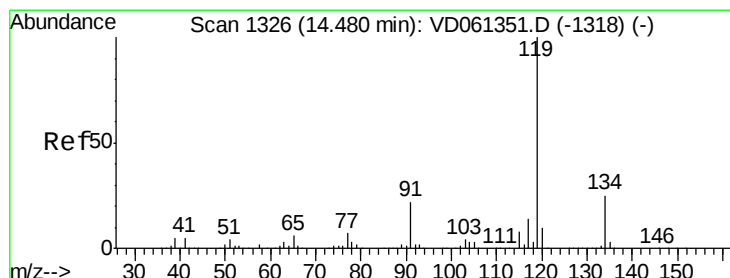
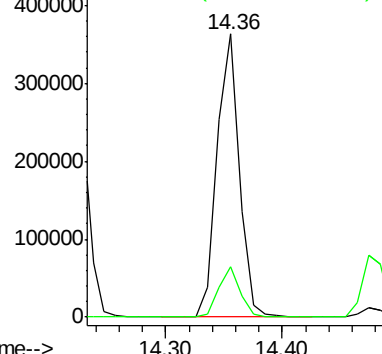
105 100

134 17.8 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.344 ug/l

RT: 14.47 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

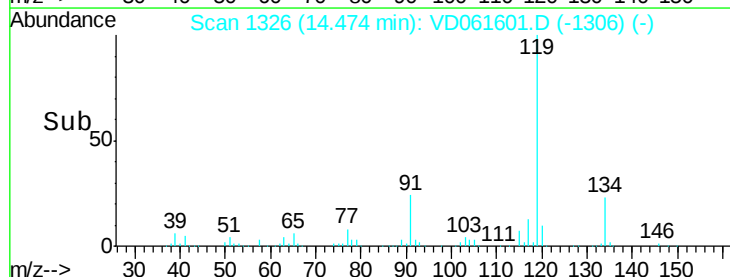
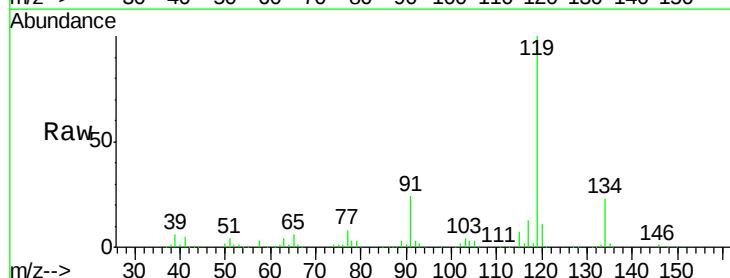
Tgt Ion:119 Resp: 441645

Ion Ratio Lower Upper

119 100

134 23.4 12.3 36.8

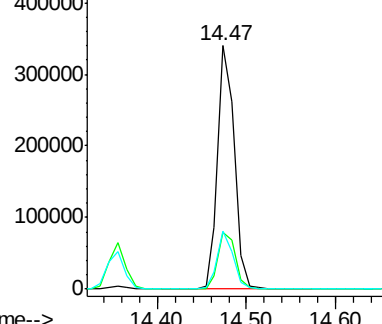
91 23.9 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

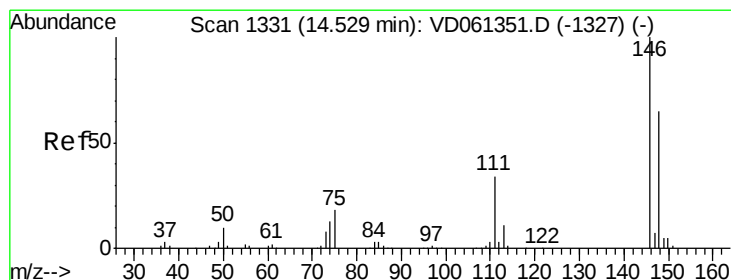
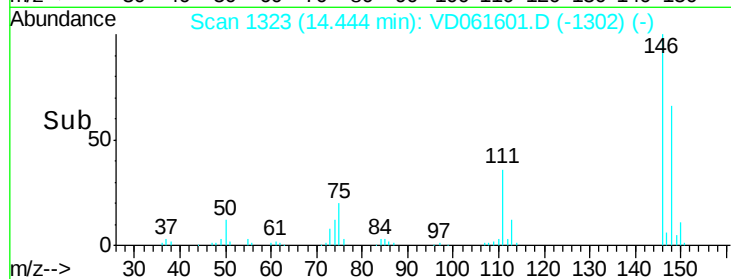
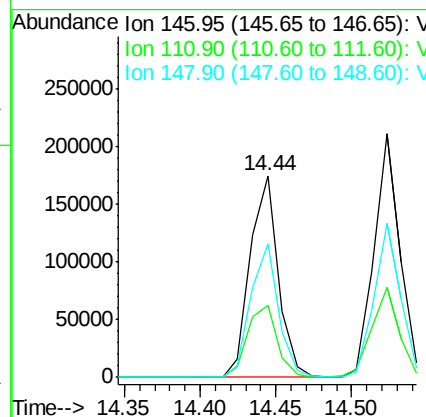
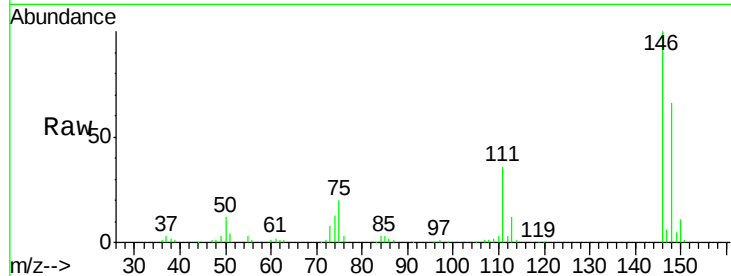




#87
 1,3-Dichlorobenzene
 Concen: 19.957 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

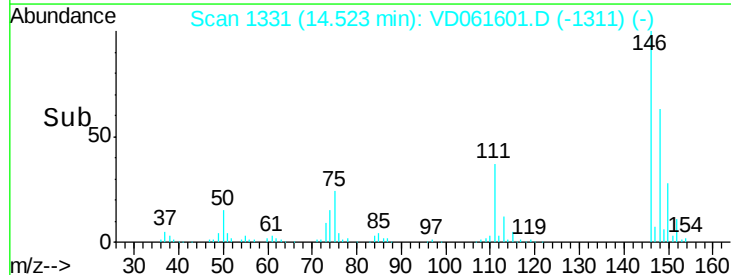
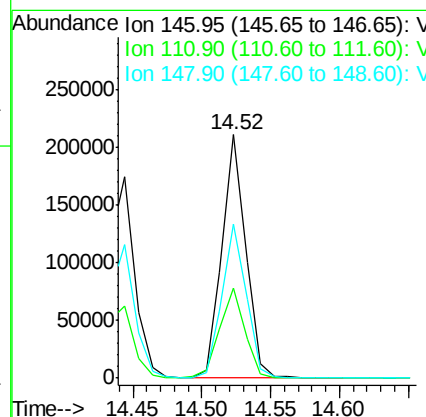
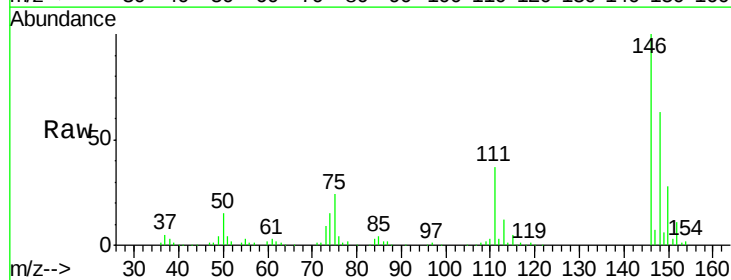
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

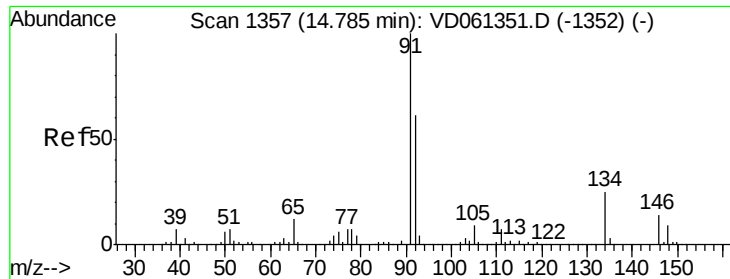
Tot Ion:146 Resp: 227345
 Ion Ratio Lower Upper
 146 100
 111 35.5 20.6 61.9
 148 65.9 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.727 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion:146 Resp: 252479
 Ion Ratio Lower Upper
 146 100
 111 37.2 16.8 50.4
 148 63.2 32.6 98.0





#89

n-Butylbenzene

Concen: 22.927 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061601.D

Acq: 5 Apr 2019 3:51

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

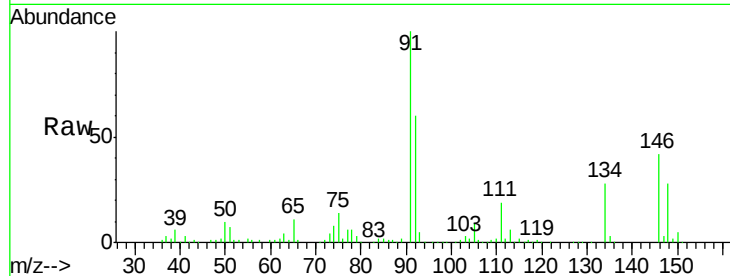
Tot Ion: 91 Resp: 415938

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

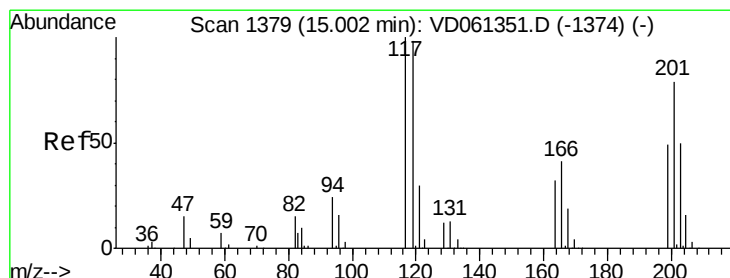
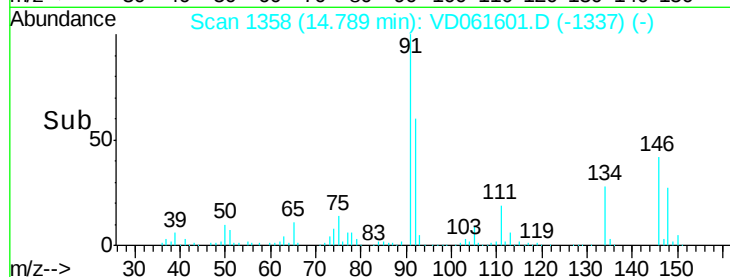
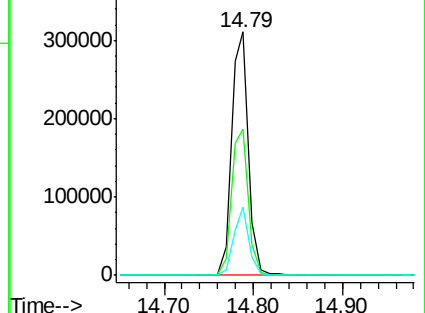
134 27.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.844 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061601.D

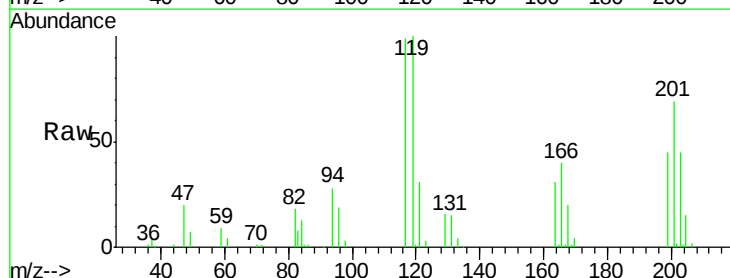
Acq: 5 Apr 2019 3:51

Tgt Ion: 117 Resp: 105229

Ion Ratio Lower Upper

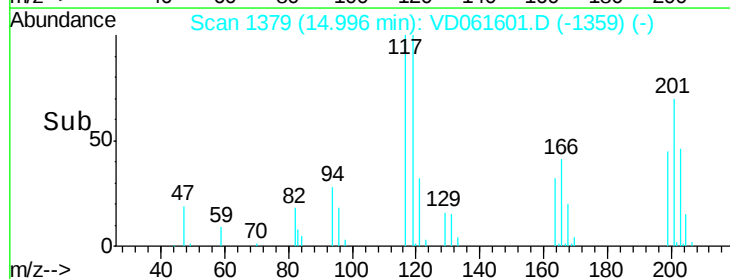
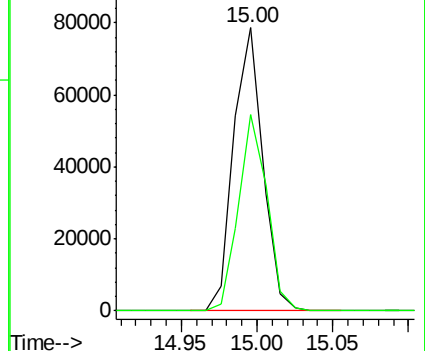
117 100

201 69.4 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

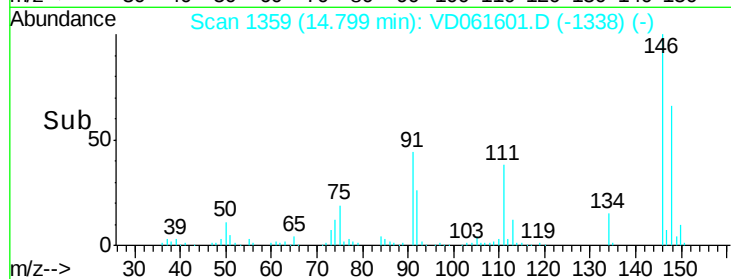
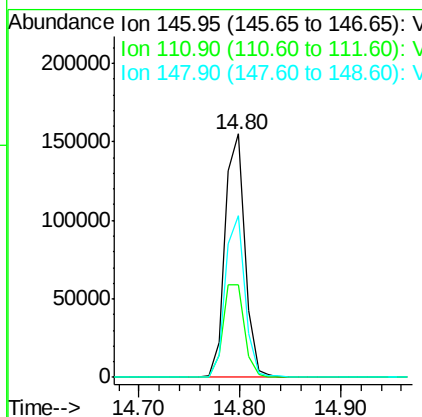
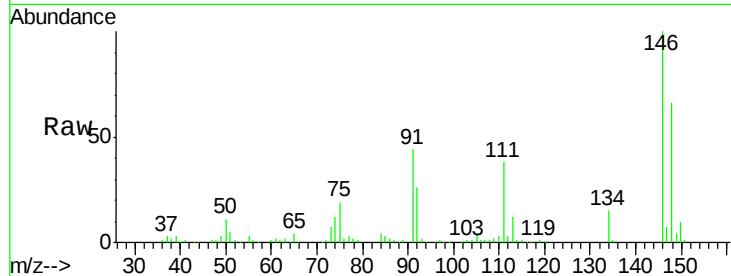




#91
 1,2-Dichlorobenzene
 Concen: 22.797 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

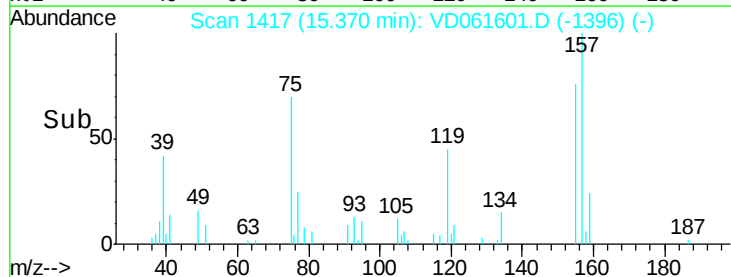
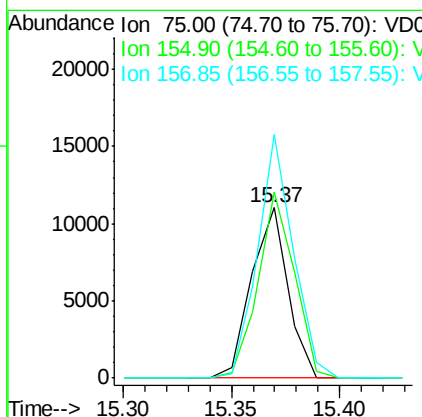
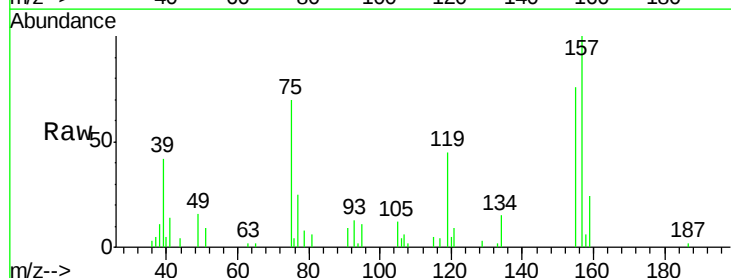
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

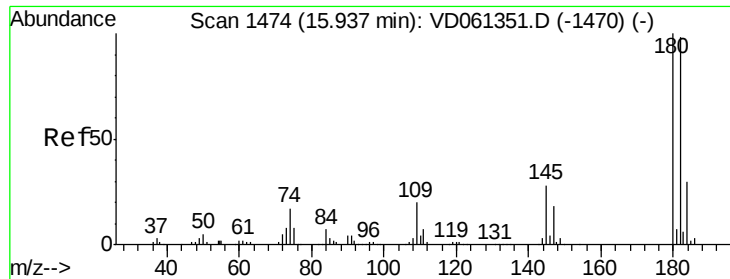
Tot Ion:146 Resp: 213020
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.2 63.6
 148 66.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.062 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion: 75 Resp: 12948
 Ion Ratio Lower Upper
 75 100
 155 109.3 43.6 130.9
 157 143.0 58.5 175.3

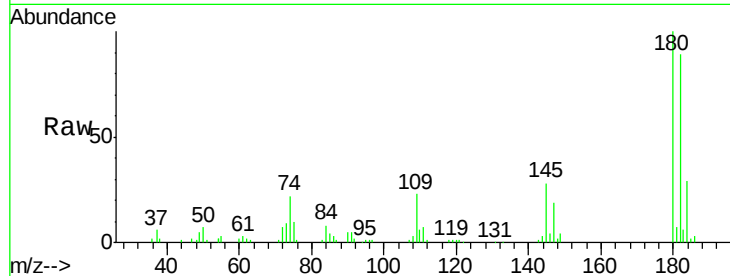




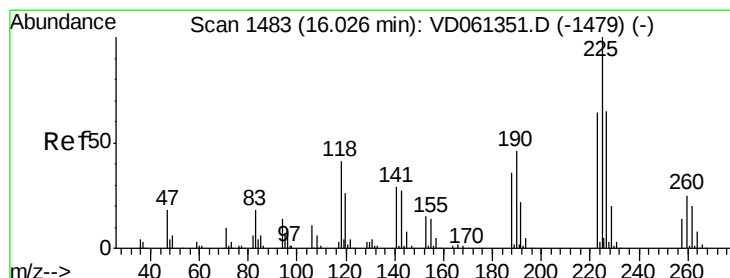
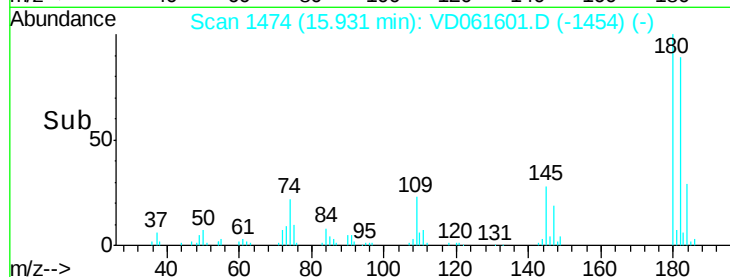
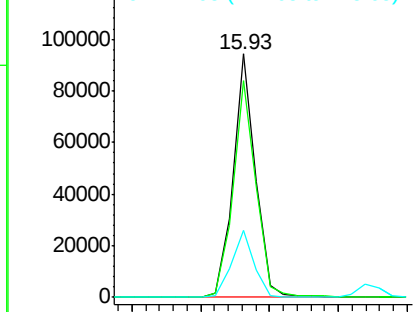
#93
 1,2,4-Trichlorobenzene
 Concen: 24.729 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Tot Ion:180 Resp: 105263
 Ion Ratio Lower Upper
 180 100
 182 89.0 48.9 146.8
 145 27.6 14.1 42.3

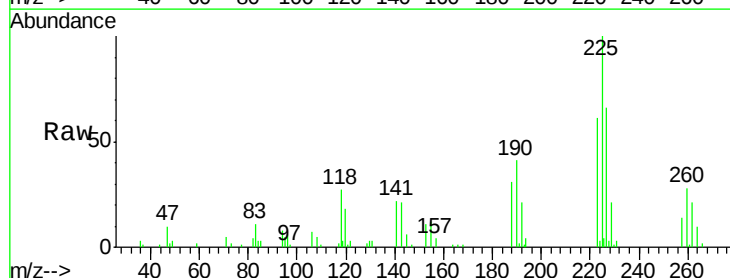


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

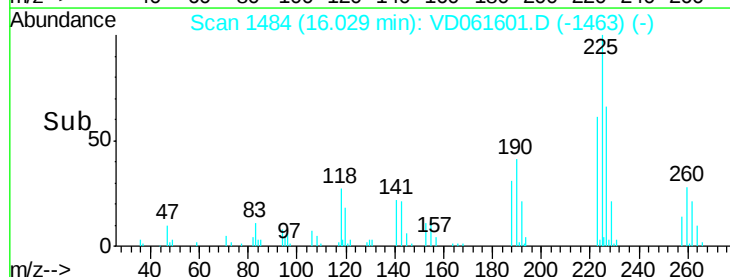
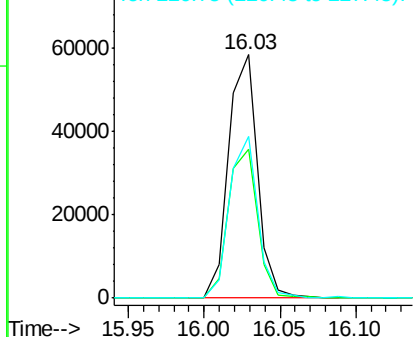


#94
 Hexachlorobutadiene
 Concen: 23.276 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061601.D
 Acq: 5 Apr 2019 3:51

Tgt Ion:225 Resp: 77422
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.0 96.0
 227 66.5 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

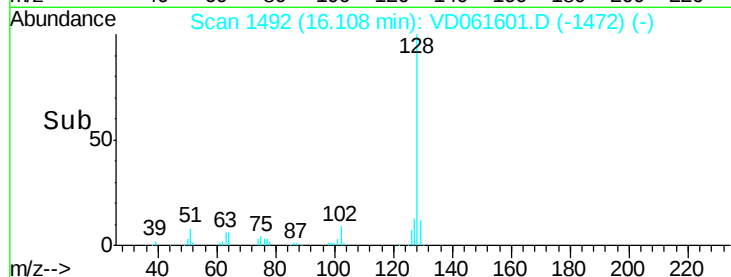
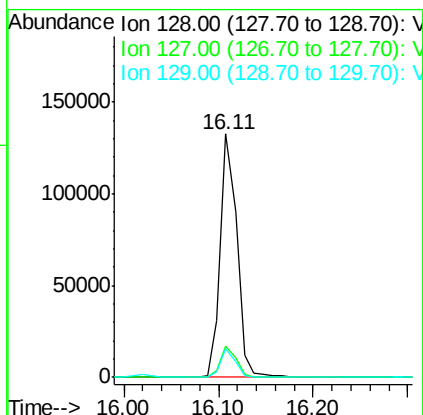
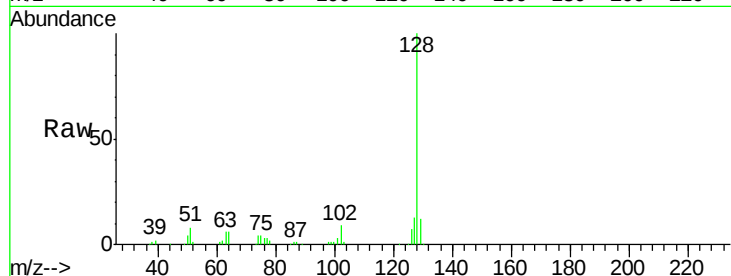




#95
Naphthalene
Concen: 24.921 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion:128 Resp: 161692
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 31.540 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061601.D
Acq: 5 Apr 2019 3:51

Tgt Ion:180 Resp: 59077
Ion Ratio Lower Upper
180 100
182 101.7 46.4 139.1
145 34.6 15.3 45.9

