

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061514.D
 Acq On : 2 Apr 2019 15:11
 Operator : VA/AP
 Sample : VD0402SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:50:30 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	7.04	168	694281	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	1062987	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	924709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	413705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	331063	55.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.64%	
35) Dibromofluoromethane	6.92	113	488919	60.19	ug/l	0.03
Spiked Amount 50.000			Recovery	=	120.38%	
50) Toluene-d8	10.40	98	1230161	63.14	ug/l	0.02
Spiked Amount 50.000			Recovery	=	126.28%	
62) 4-Bromofluorobenzene	13.55	95	463268	62.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	164366	22.168	ug/l	100
3) Chloromethane	1.77	50	128482	21.247	ug/l	95
4) Vinyl Chloride	1.86	62	125954	22.685	ug/l	98
5) Bromomethane	2.16	94	20282	18.422	ug/l	98
6) Chloroethane	2.27	64	28785	17.679	ug/l	95
7) Trichlorofluoromethane	2.53	101	186972	23.158	ug/l	96
8) Diethyl Ether	2.88	74	55001	21.158	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	201118	23.171	ug/l	97
10) Methyl Iodide	3.31	142	213869	18.550	ug/l	96
11) Tert butyl alcohol	4.07	59	40707	110.212	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	171031	22.951	ug/l	94
13) Acrolein	3.05	56	27598	82.738	ug/l	99
14) Allyl chloride	3.62	41	227358	21.874	ug/l	97
15) Acrylonitrile	4.20	53	149054	116.271	ug/l	95
16) Acetone	3.22	43	178078	116.802	ug/l	96
17) Carbon Disulfide	3.38	76	521681	21.546	ug/l	99
18) Methyl Acetate	3.65	43	73029	22.782	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	300428	23.289	ug/l	98
20) Methylene Chloride	3.81	84	203105	22.733	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	184847	22.975	ug/l	97
22) Diisopropyl ether	5.11	45	504727	22.947	ug/l	96
23) Vinyl Acetate	5.05	43	1286223	107.654	ug/l	97
24) 1,1-Dichloroethane	4.99	63	286033	22.128	ug/l	98
25) 2-Butanone	6.07	43	218076	113.710	ug/l	97
26) 2,2-Dichloropropane	6.02	77	225983	21.992	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	186190	21.122	ug/l	94
28) Bromochloromethane	6.43	49	112033	21.470	ug/l #	99
29) Tetrahydrofuran	6.45	42	111096	119.514	ug/l	99
30) Chloroform	6.66	83	313199	23.449	ug/l	97
31) Cyclohexane	6.94	56	239621	23.458	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	258225	21.914	ug/l	96
36) 1,1-Dichloropropene	7.14	75	241273	26.006	ug/l	97
37) Ethyl Acetate	6.18	43	101405	25.557	ug/l	98
38) Carbon Tetrachloride	7.10	117	273305	25.637	ug/l	96

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 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 01:50:30 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	8.85	83	248100	25.677	ug/l	98
40) Benzene	7.45	78	568523	24.417	ug/l	98
41) Methacrylonitrile	6.44	41	119925	25.850	ug/l	98
42) 1,2-Dichloroethane	7.56	62	182046	26.138	ug/l	98
43) Isopropyl Acetate	9.23	43	145809	25.257	ug/l	97
44) Trichloroethene	8.53	130	217698	25.124	ug/l	99
45) 1,2-Dichloropropane	8.93	63	145876	24.707	ug/l	96
46) Dibromomethane	9.05	93	96092	24.181	ug/l	94
47) Bromodichloromethane	9.37	83	216656	24.291	ug/l	96
48) Methyl methacrylate	9.11	41	83612	26.243	ug/l	98
49) 1,4-Dioxane	9.07	88	18601	529.311	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	449645	128.022	ug/l	99
52) Toluene	10.50	92	358908	25.266	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	206164	25.441	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	248626	25.197	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	127309	25.627	ug/l	96
56) Ethyl methacrylate	11.03	69	119759	22.440	ug/l	96
57) 1,3-Dichloropropane	11.39	76	190418	26.078	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	311250	119.759	ug/l	98
59) 2-Hexanone	11.52	43	335985	132.031	ug/l	100
60) Dibromochloromethane	11.68	129	200988	26.244	ug/l	96
61) 1,2-Dibromoethane	11.80	107	147469	25.636	ug/l	99
64) Tetrachloroethene	11.25	164	166511	22.944	ug/l	99
65) Chlorobenzene	12.39	112	434282	22.980	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	177358	24.239	ug/l	98
67) Ethyl Benzene	12.52	91	727506	25.221	ug/l	98
68) m/p-Xylenes	12.66	106	558721	51.134	ug/l	98
69) o-Xylene	13.04	106	271705	25.624	ug/l	99
70) Styrene	13.07	104	461601	24.973	ug/l	98
71) Bromoform	13.23	173	105877	22.826	ug/l	95
73) Isopropylbenzene	13.39	105	685736	23.816	ug/l	97
74) N-amyl acetate	13.25	43	198617	24.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	133515	21.981	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	134069	22.434	ug/l	99
77) Bromobenzene	13.66	156	197683	23.159	ug/l	99
78) n-propylbenzene	13.77	91	838543	23.798	ug/l	98
79) 2-Chlorotoluene	13.84	91	476027	24.880	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	569789	25.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	42397	23.268	ug/l	91
82) 4-Chlorotoluene	13.94	91	547059	26.297	ug/l	98
83) tert-Butylbenzene	14.18	119	656182	23.503	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	612524	25.325	ug/l	99
85) sec-Butylbenzene	14.36	105	683437	23.042	ug/l	100
86) p-Isopropyltoluene	14.49	119	646291	25.769	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	346893	23.998	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	327446	23.229	ug/l	98
89) n-Butylbenzene	14.79	91	551110	23.941	ug/l	98
90) Hexachloroethane	15.00	117	166794	23.540	ug/l	68
91) 1,2-Dichlorobenzene	14.80	146	282056	23.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17928	25.166	ug/l	97

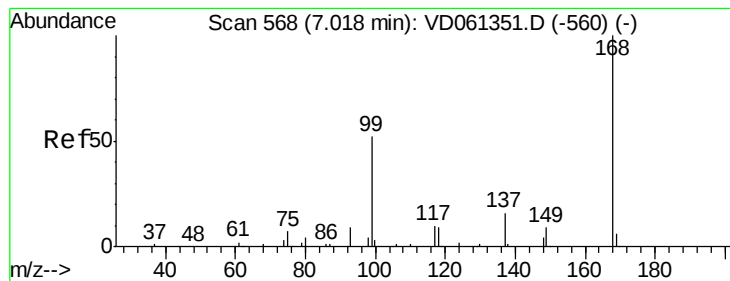
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	142444	26.373	ug/l	97
94) Hexachlorobutadiene	16.03	225	97563	23.116	ug/l	97
95) Naphthalene	16.12	128	191518	23.263	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	64455	27.119	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

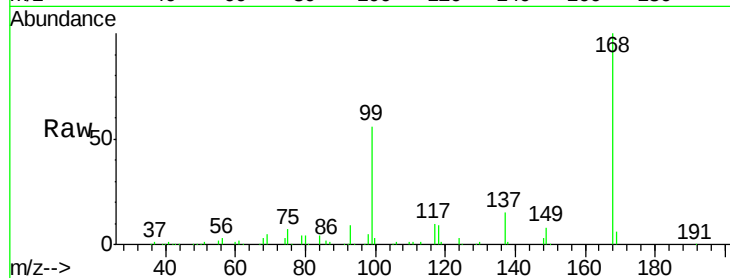
ClientSampleId :

Tot Ion:168 Resp: 694281

Ion Ratio Lower Upper

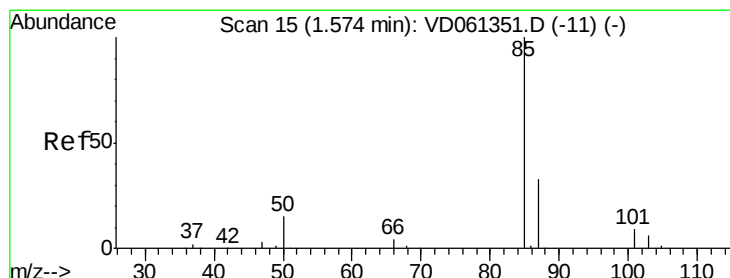
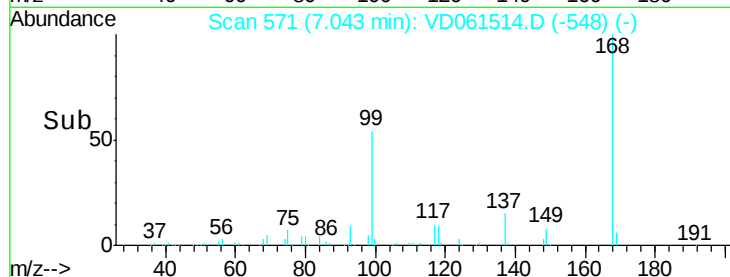
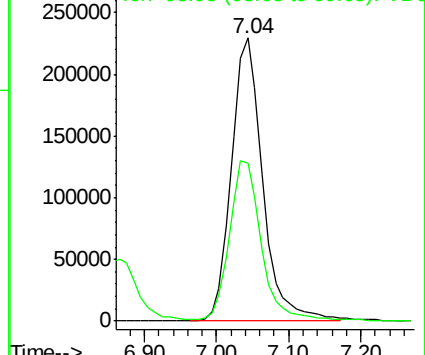
168 100

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: 22.168 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061514.D

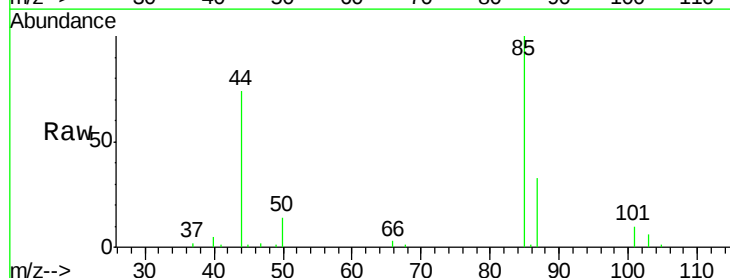
Acq: 2 Apr 2019 15:11

Tgt Ion: 85 Resp: 164366

Ion Ratio Lower Upper

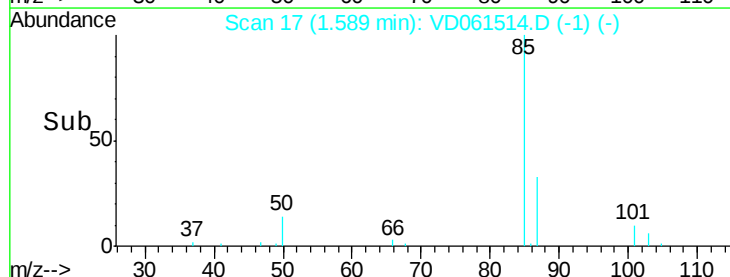
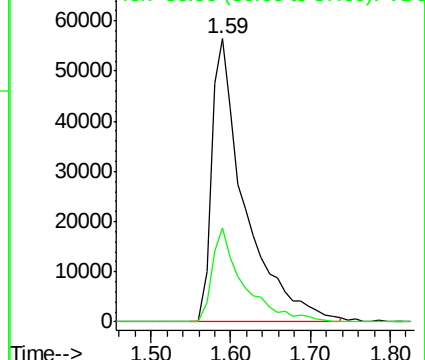
85 100

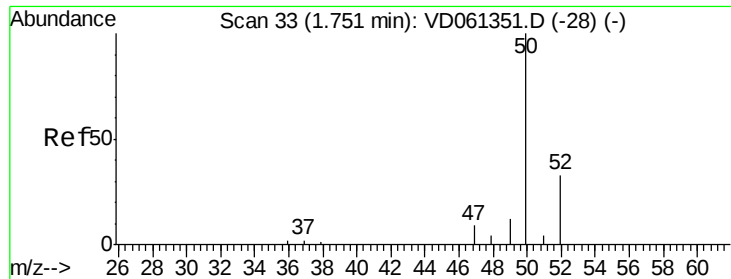
87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

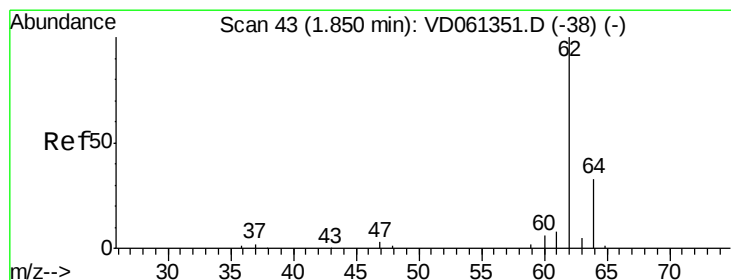
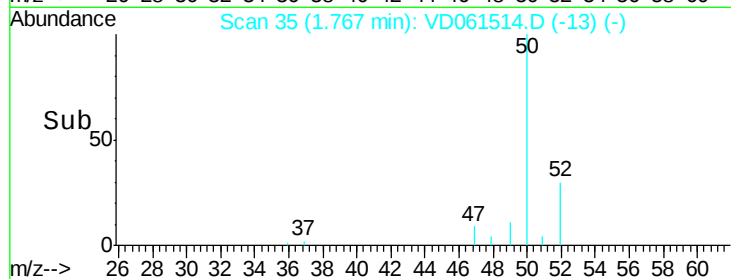
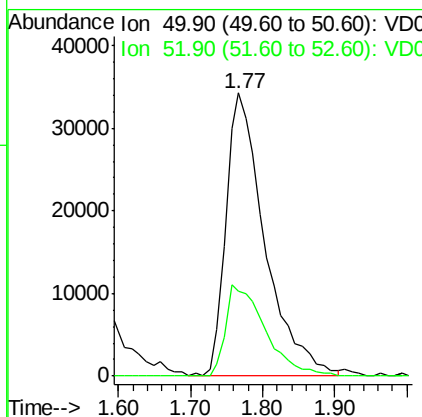
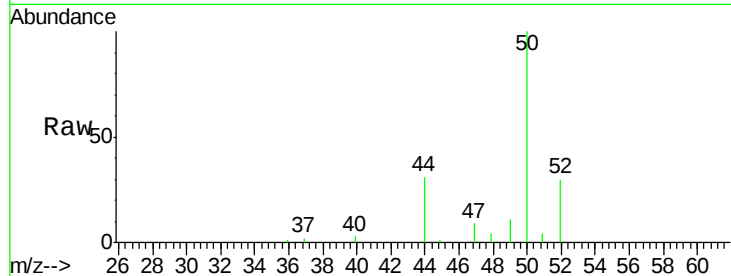




#3
 Chloromethane
 Concen: 21.247 ug/l
 RT: 1.77 min Scan# 35
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

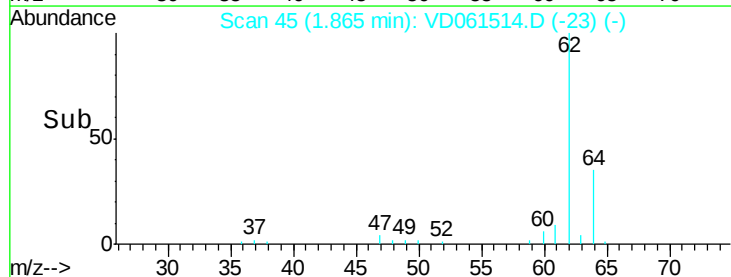
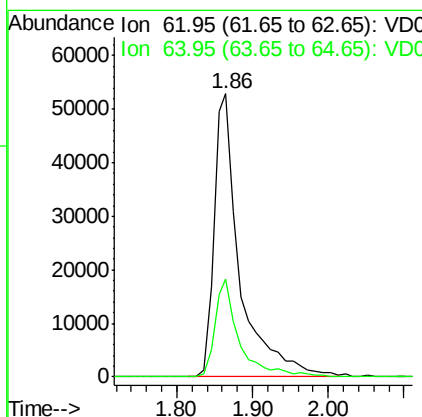
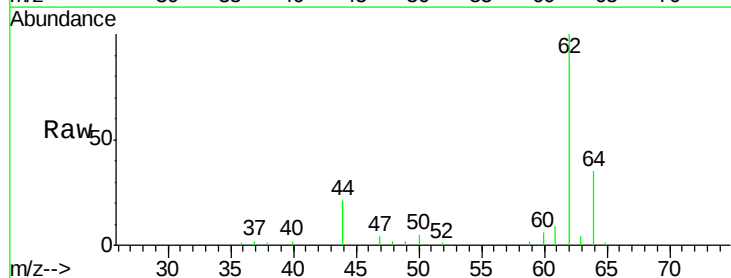
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 50 Resp: 128482
 Ion Ratio Lower Upper
 50 100
 52 30.0 26.1 39.1



#4
 Vinyl Chloride
 Concen: 22.685 ug/l
 RT: 1.86 min Scan# 45
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 62 Resp: 125954
 Ion Ratio Lower Upper
 62 100
 64 34.6 26.6 39.8





#5

Bromomethane

Concen: 18.422 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

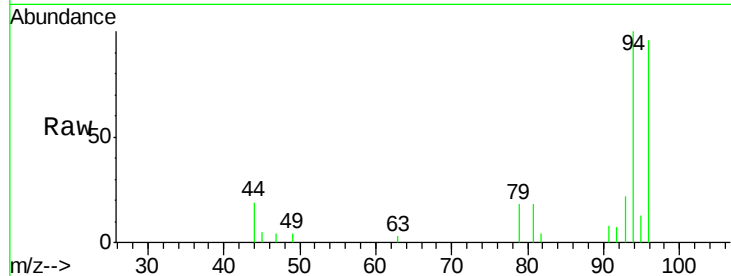
Tot Ion: 94 Resp: 20282

Ion Ratio Lower Upper

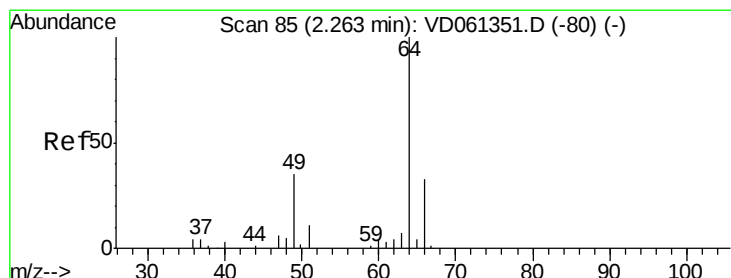
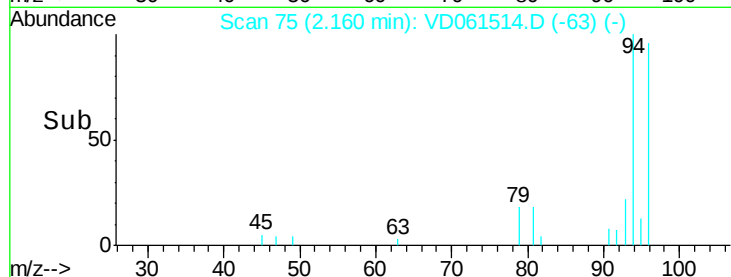
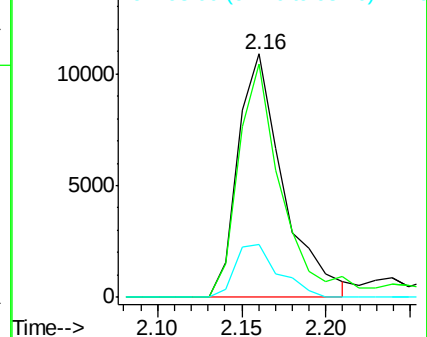
94 100

96 96.1 78.3 117.5

93 21.7 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: 17.679 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD061514.D

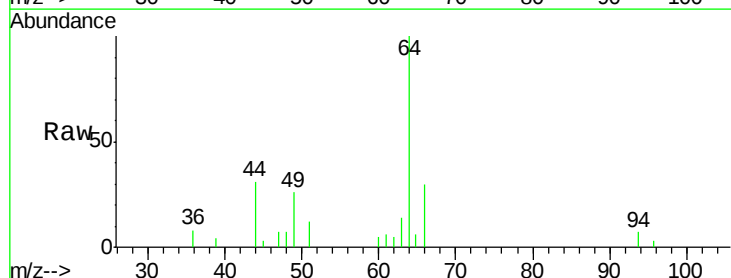
Acq: 2 Apr 2019 15:11

Tgt Ion: 64 Resp: 28785

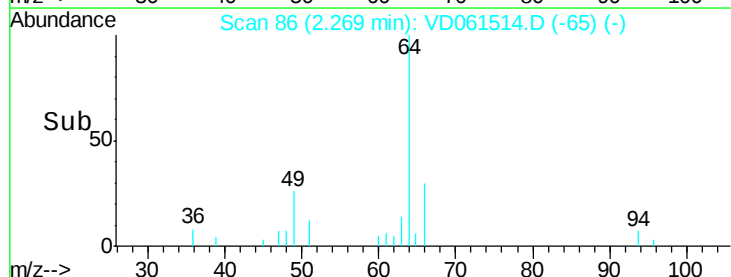
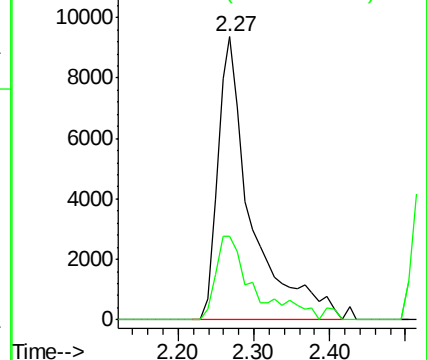
Ion Ratio Lower Upper

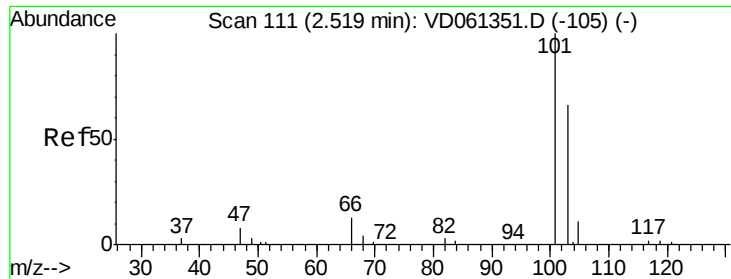
64 100

66 29.7 26.2 39.2



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



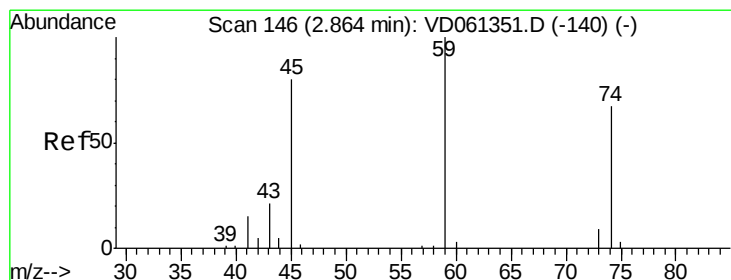
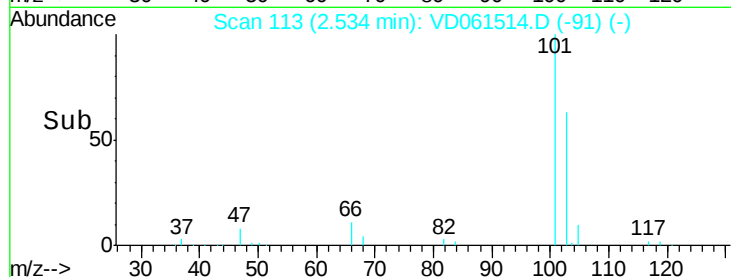
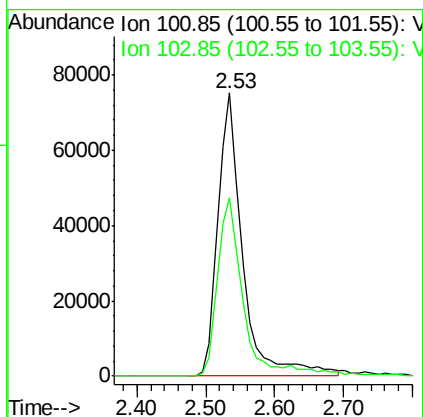
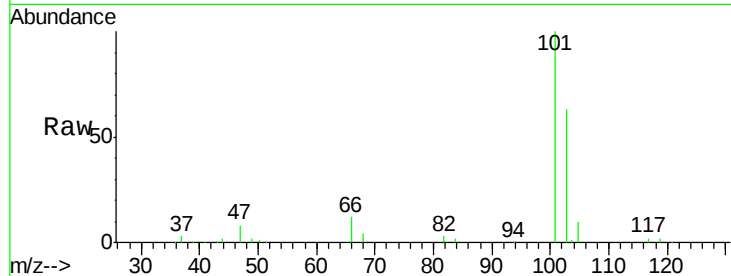


#7

Trichlorofluoromethane
 Concen: 23.158 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :

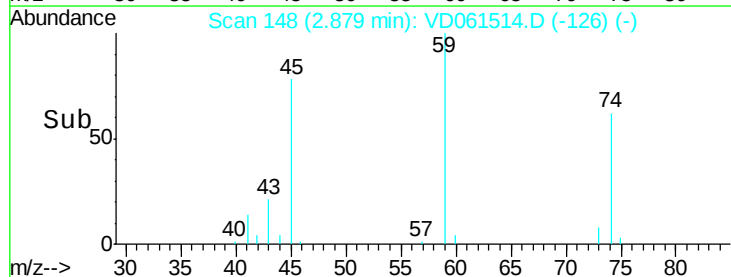
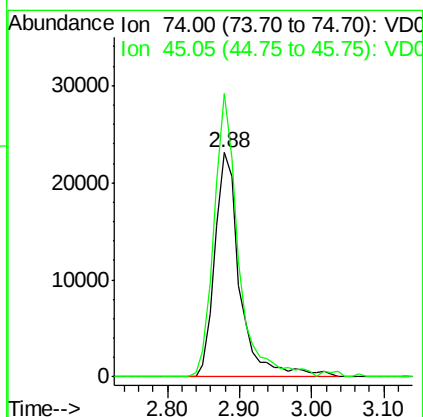
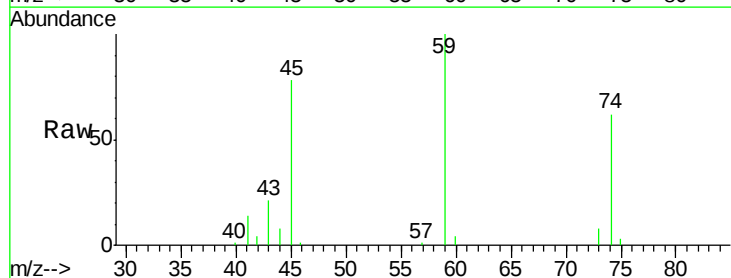
Tot Ion:101 Resp: 186972
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.1 79.7



#8

Diethyl Ether
 Concen: 21.158 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 74 Resp: 55001
 Ion Ratio Lower Upper
 74 100
 45 126.4 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.171 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

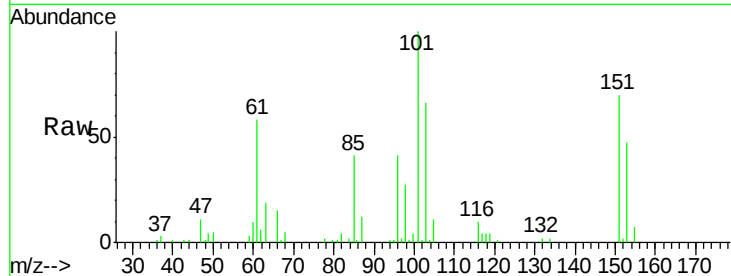
Tot Ion:101 Resp: 201118

Ion Ratio Lower Upper

101 100

85 40.9 29.4 44.0

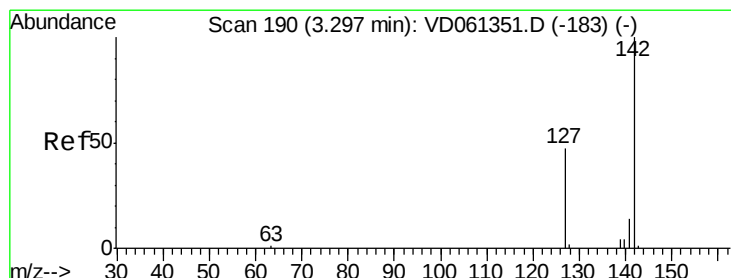
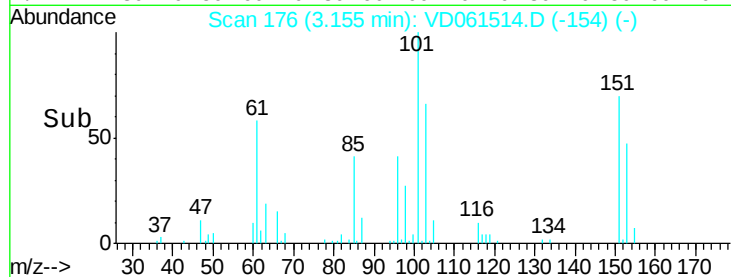
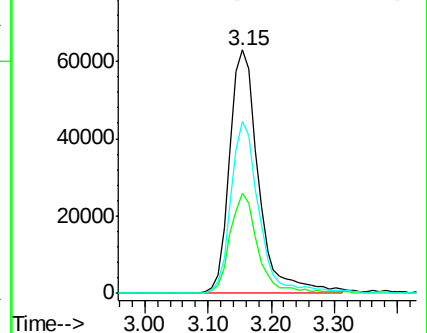
151 70.4 57.0 85.4



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: 18.550 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

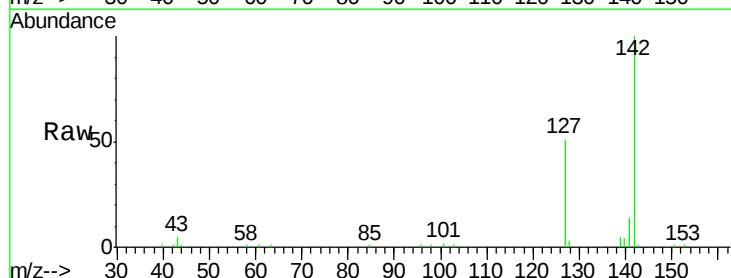
Tgt Ion:142 Resp: 213869

Ion Ratio Lower Upper

142 100

127 50.7 37.7 56.5

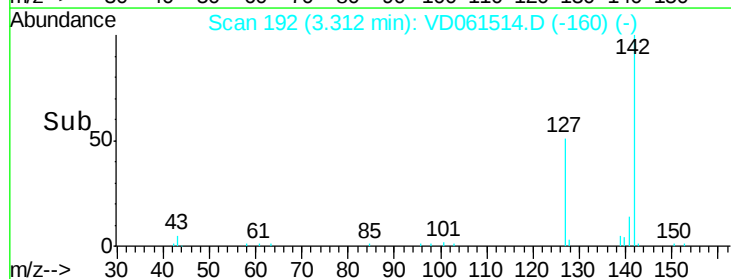
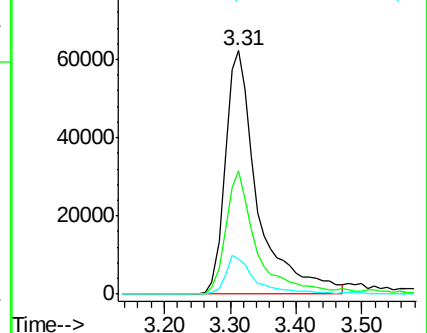
141 14.4 11.5 17.3

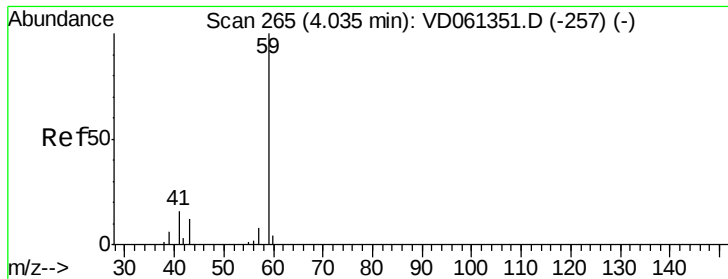


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



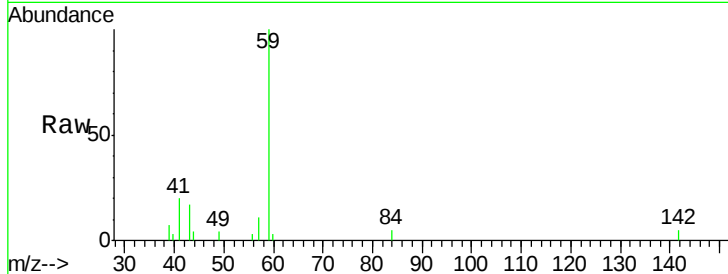


#11

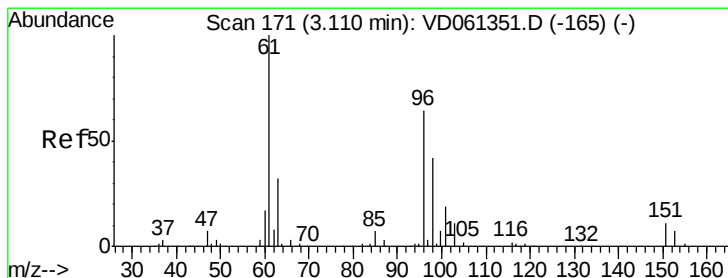
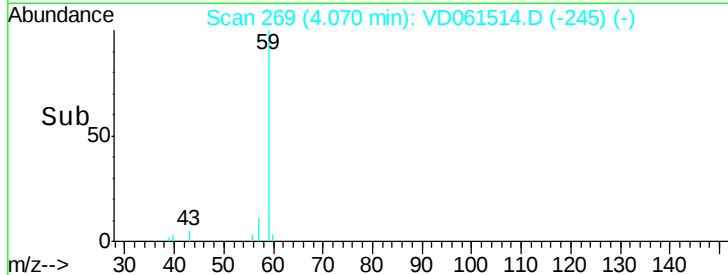
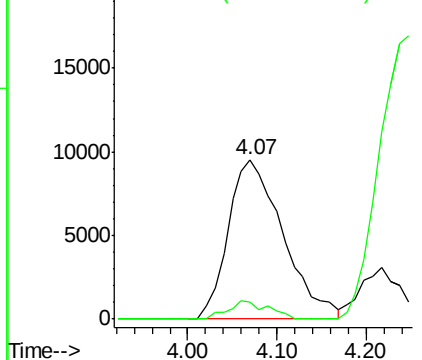
Tert butyl alcohol
Concen: 110.212 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 40707
Ion Ratio Lower Upper
59 100
57 10.9 6.7 10.1#



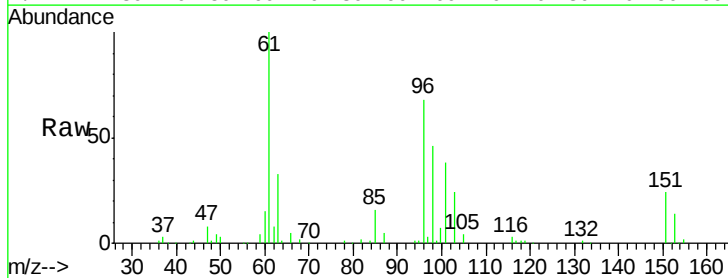
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



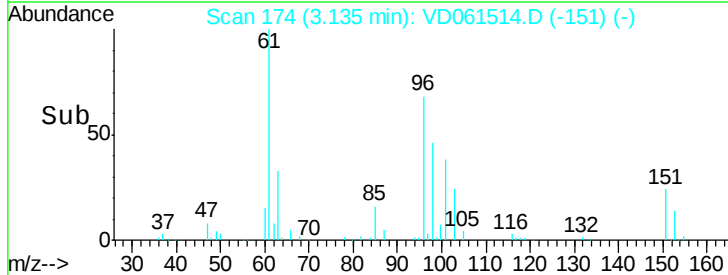
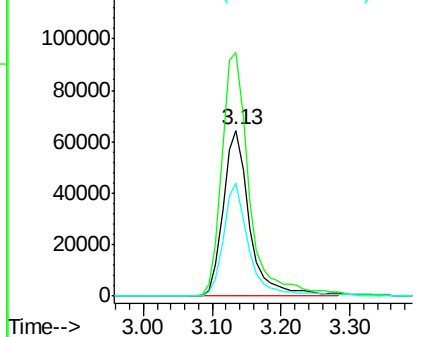
#12

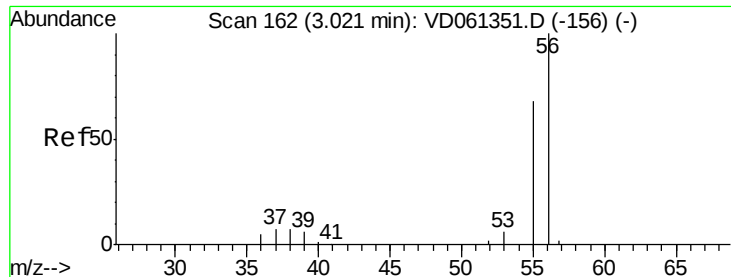
1,1-Dichloroethene
Concen: 22.951 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 96 Resp: 171031
Ion Ratio Lower Upper
96 100
61 146.9 124.9 187.3
98 68.0 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: 82.738 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

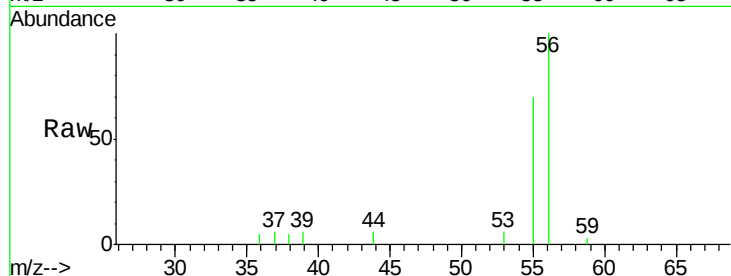
ClientSampleId :

Tot Ion: 56 Resp: 27598

Ion Ratio Lower Upper

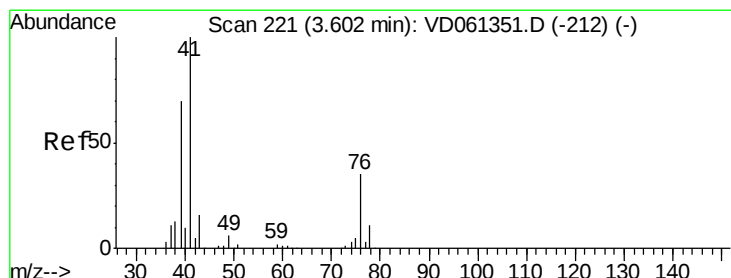
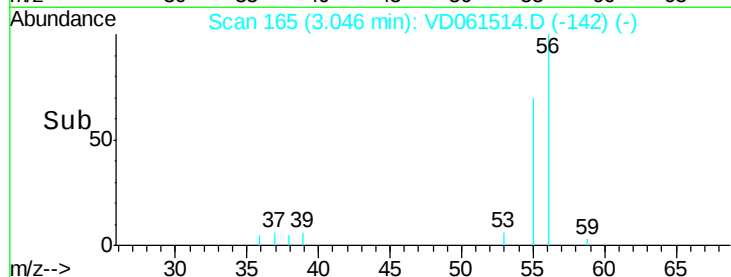
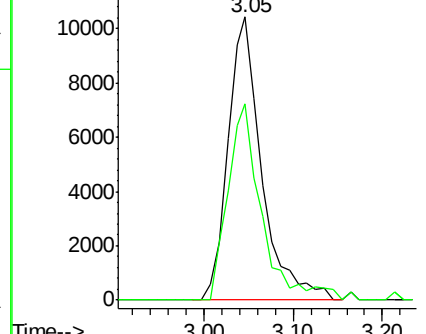
56 100

55 69.5 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: 21.874 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

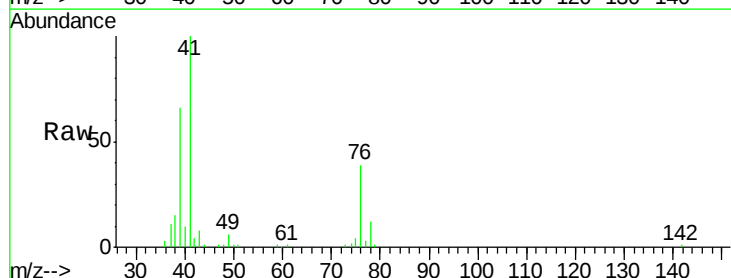
Tgt Ion: 41 Resp: 227358

Ion Ratio Lower Upper

41 100

39 66.4 55.6 83.4

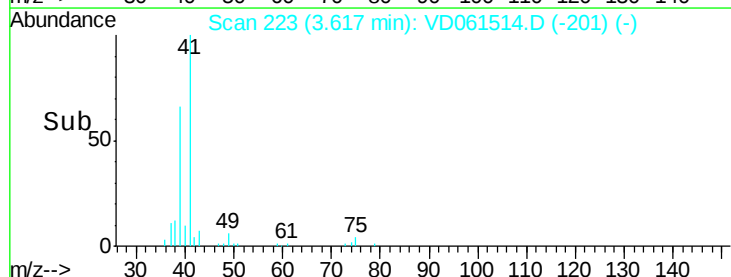
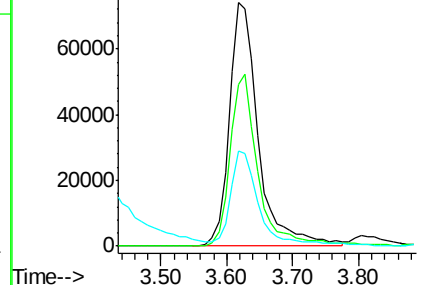
76 39.3 31.0 46.6



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

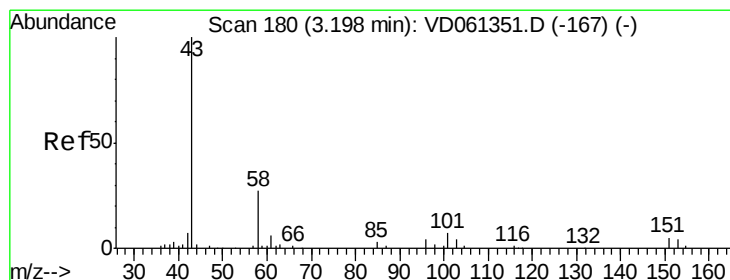
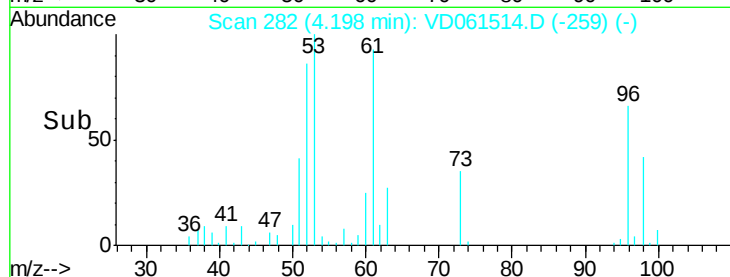
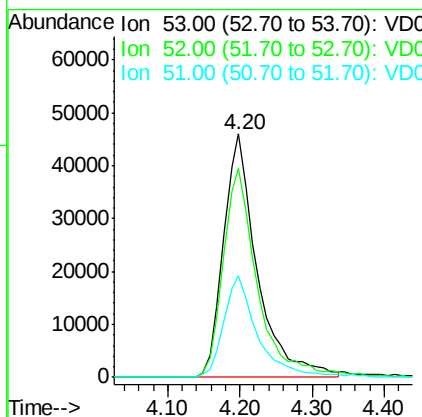
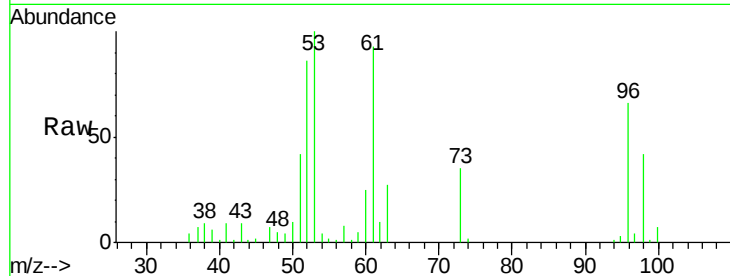




#15
 Acrylonitrile
 Concen: 116.271 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.03 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

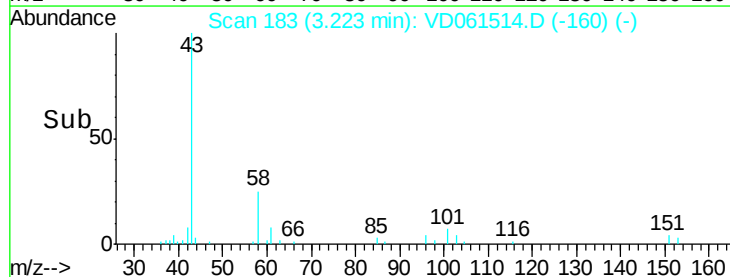
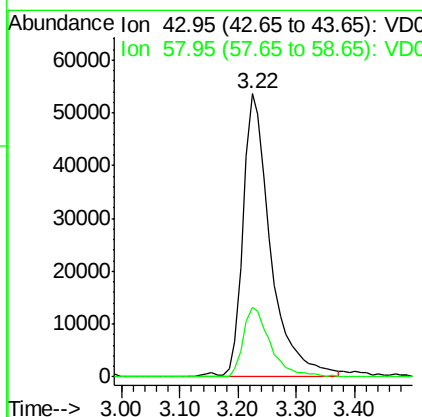
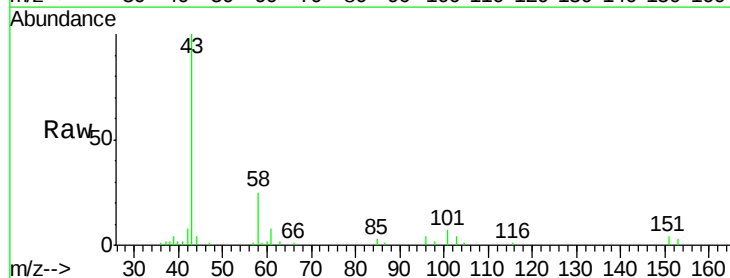
Instrument :
 MSVOA_D
 ClientSampleId :

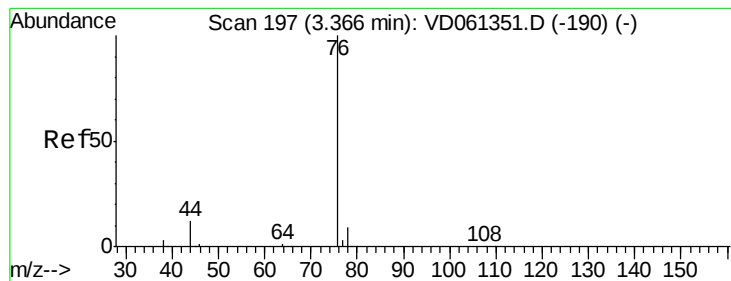
Tot Ion: 53 Resp: 149054
 Ion Ratio Lower Upper
 53 100
 52 85.7 64.8 97.2
 51 41.6 31.4 47.2



#16
 Acetone
 Concen: 116.802 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 43 Resp: 178078
 Ion Ratio Lower Upper
 43 100
 58 24.6 21.5 32.3





#17

Carbon Disulfide

Concen: 21.546 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

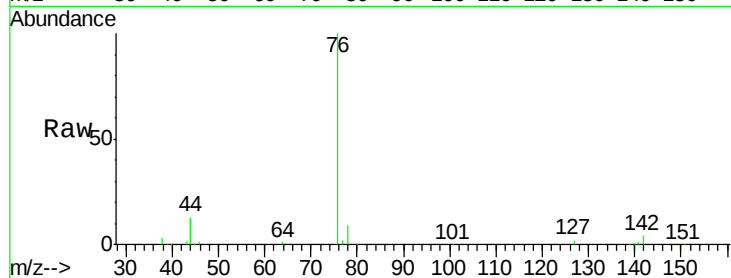
ClientSampleId :

Tot Ion: 76 Resp: 521681

Ion Ratio Lower Upper

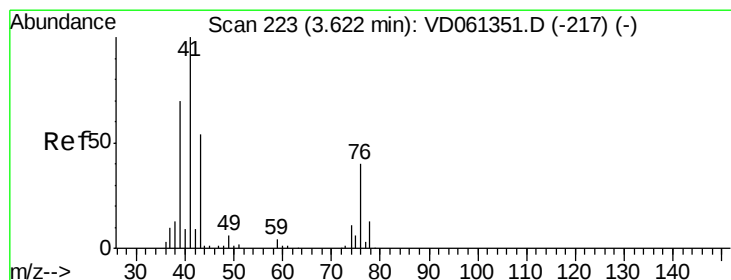
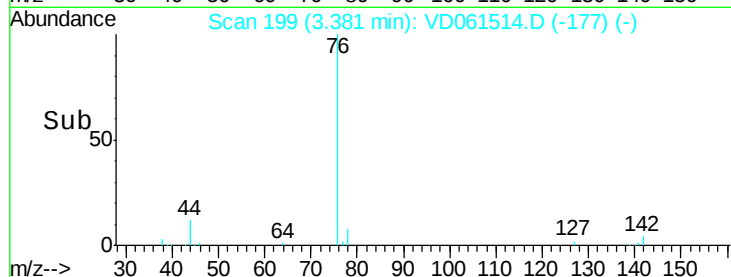
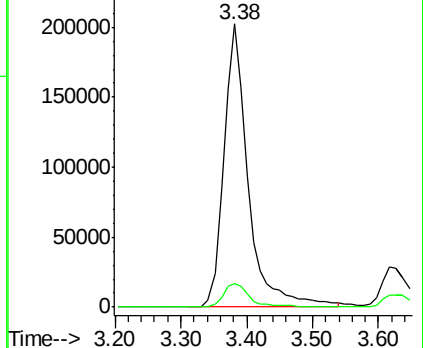
76 100

78 8.5 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: 22.782 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061514.D

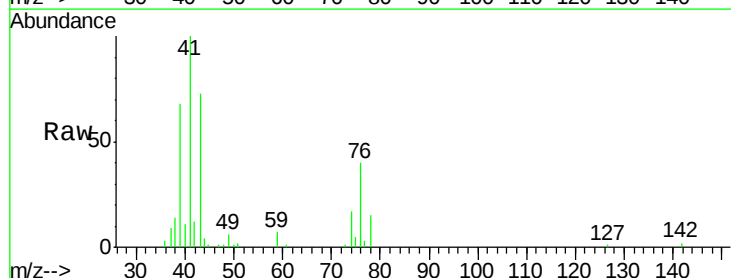
Acq: 2 Apr 2019 15:11

Tgt Ion: 43 Resp: 73029

Ion Ratio Lower Upper

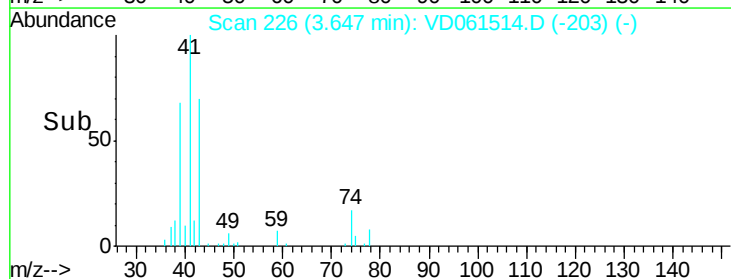
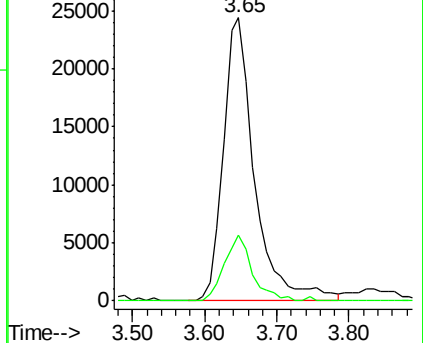
43 100

74 23.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

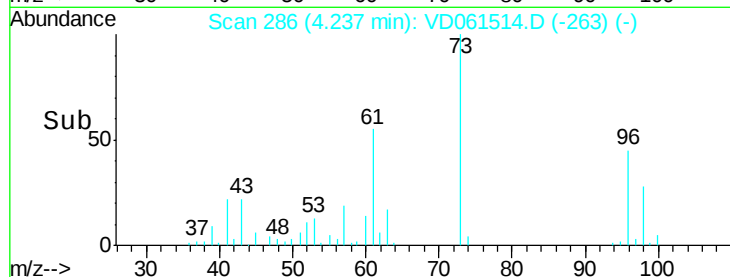
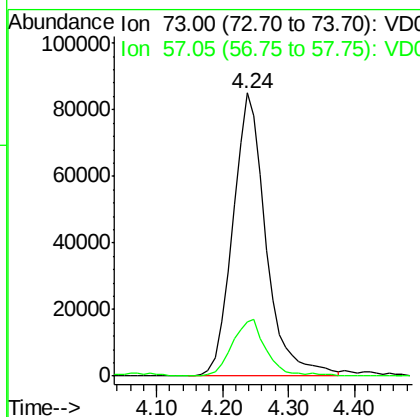
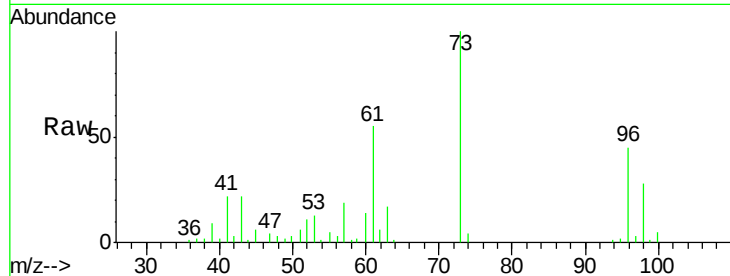




#19
Methvl tert-butvl Ether
Concen: 23.289 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

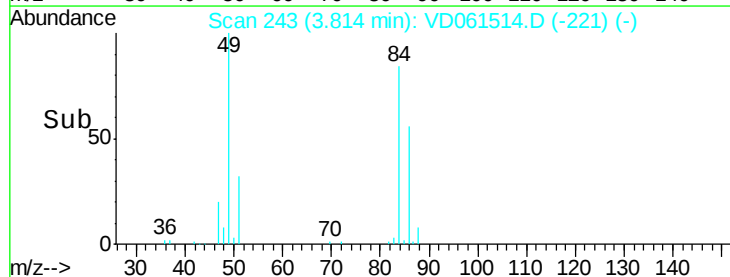
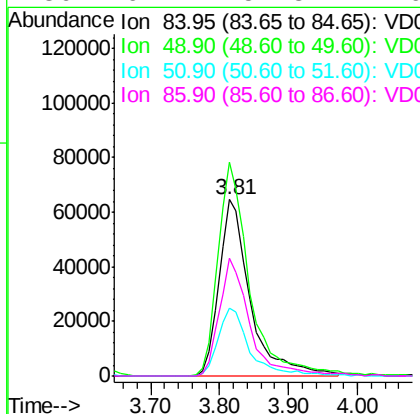
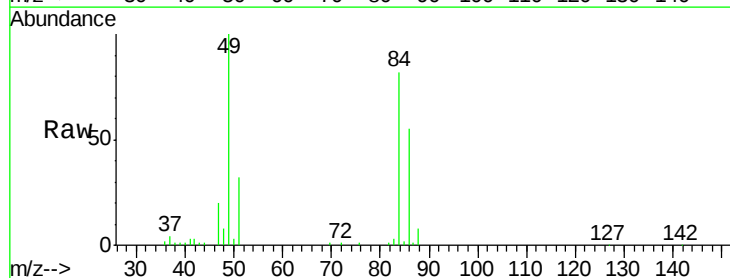
Instrument :
MSVOA_D
ClientSampled :

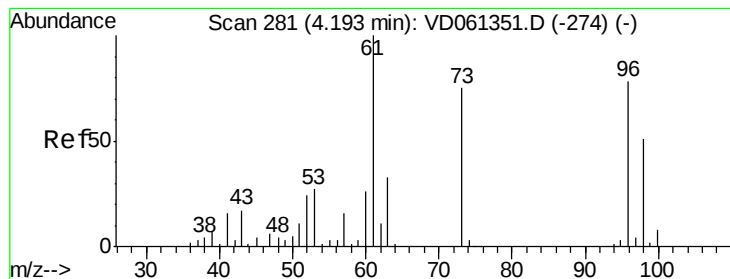
Tot Ion: 73 Resp: 300428
Ion Ratio Lower Upper
73 100
57 19.4 16.4 24.6



#20
Methylene Chloride
Concen: 22.733 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 84 Resp: 203105
Ion Ratio Lower Upper
84 100
49 121.2 91.8 137.8
51 38.9 29.8 44.8
86 67.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.975 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampled :

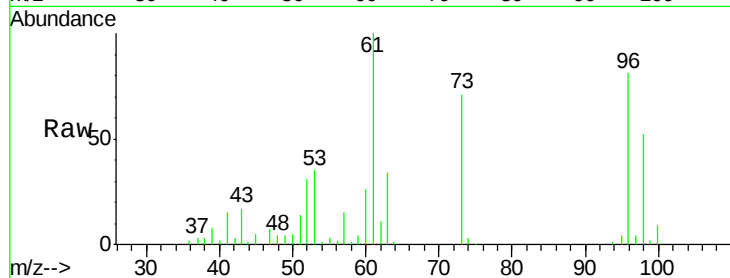
Tot Ion: 96 Resp: 184847

Ion Ratio Lower Upper

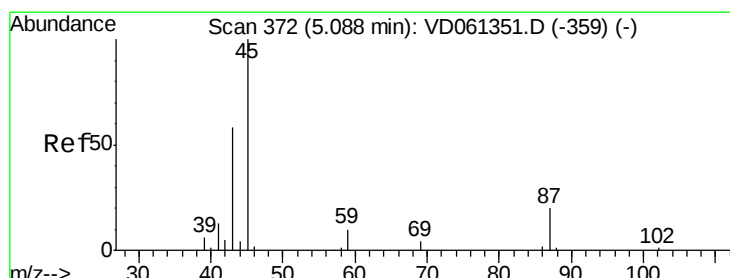
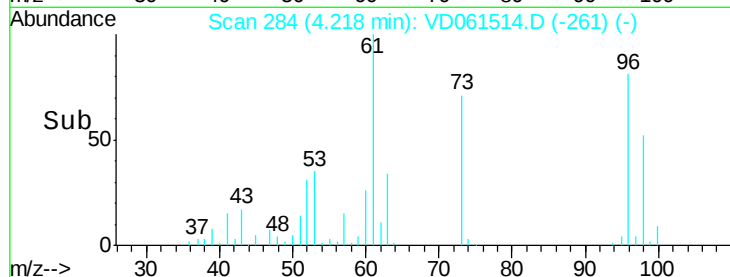
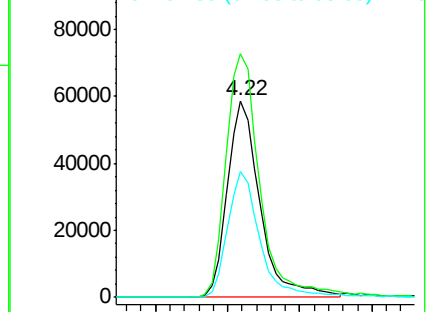
96 100

61 123.8 102.7 154.1

98 63.9 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: 22.947 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Tgt Ion: 45 Resp: 504727

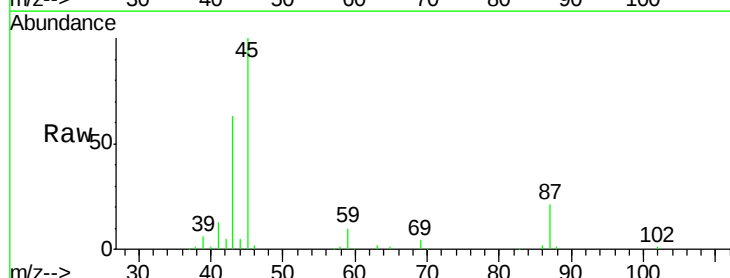
Ion Ratio Lower Upper

45 100

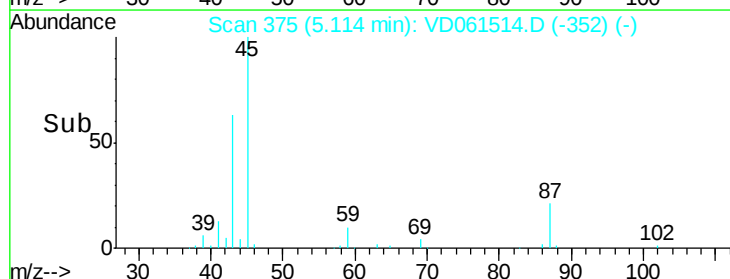
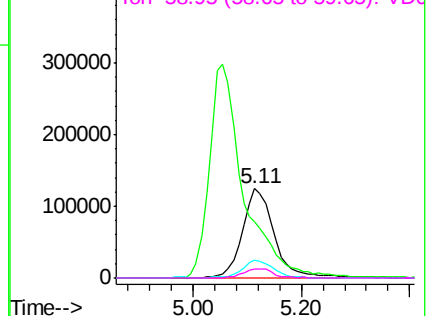
43 63.2 47.4 71.2

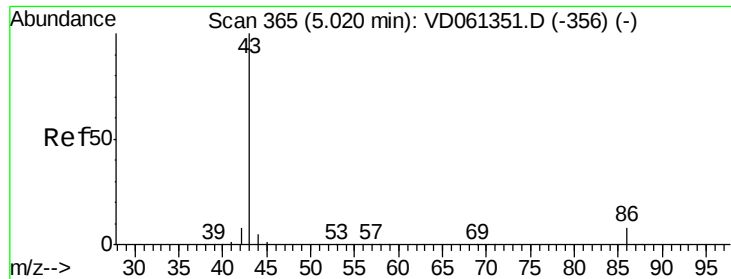
87 20.6 16.3 24.5

59 9.9 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: 107.654 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

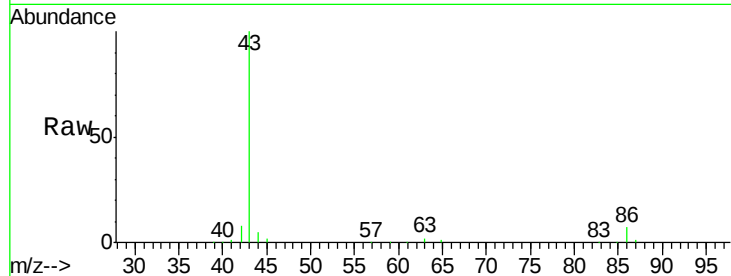
ClientSampleId :

Tot Ion: 43 Resp: 1286223

Ion Ratio Lower Upper

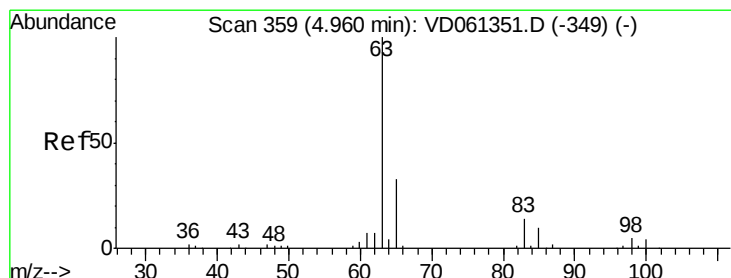
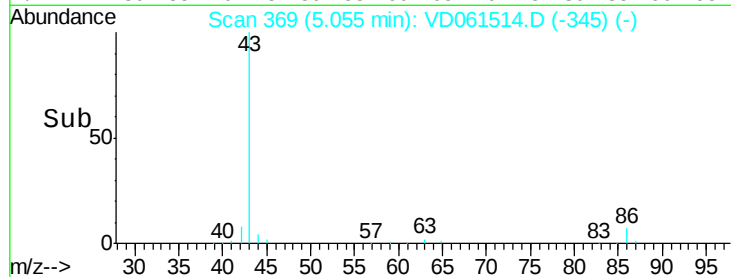
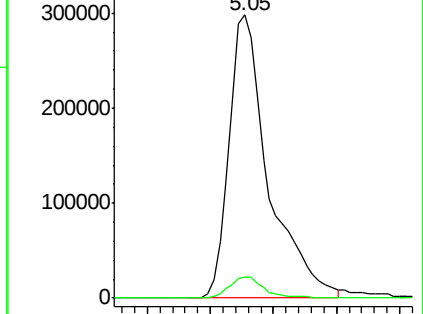
43 100

86 7.5 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: 22.128 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

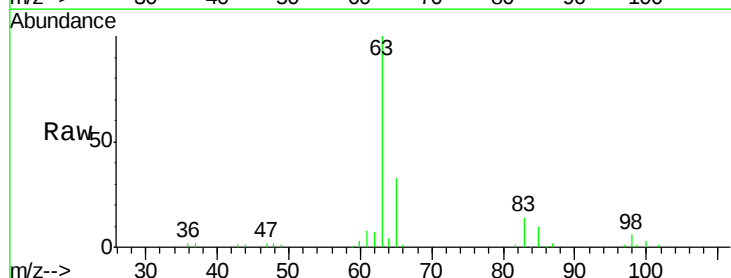
Tgt Ion: 63 Resp: 286033

Ion Ratio Lower Upper

63 100

98 6.2 2.6 8.0

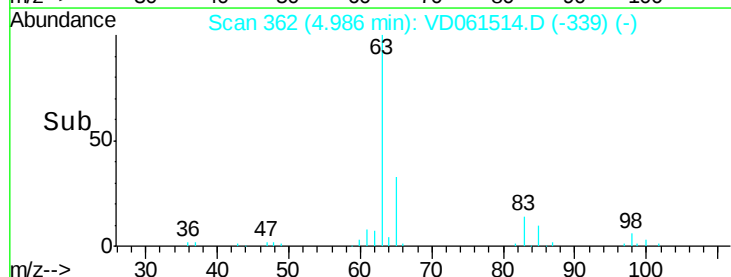
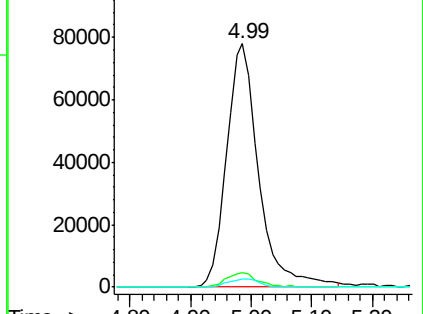
100 3.4 1.8 5.3

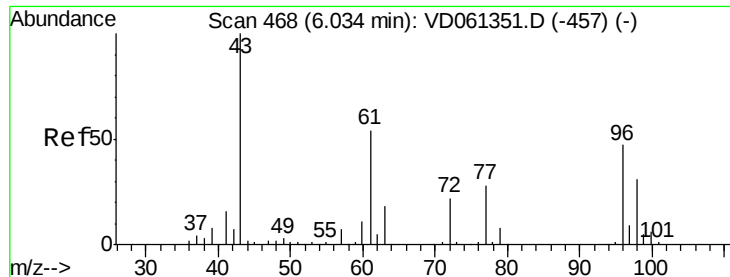


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

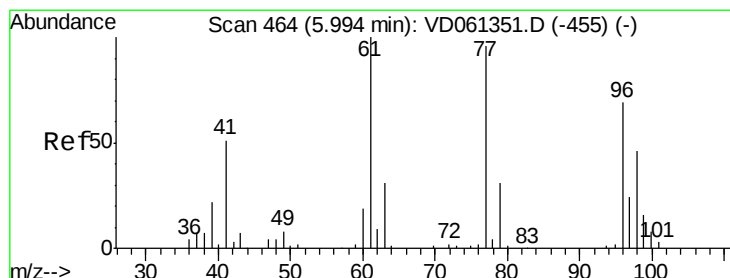
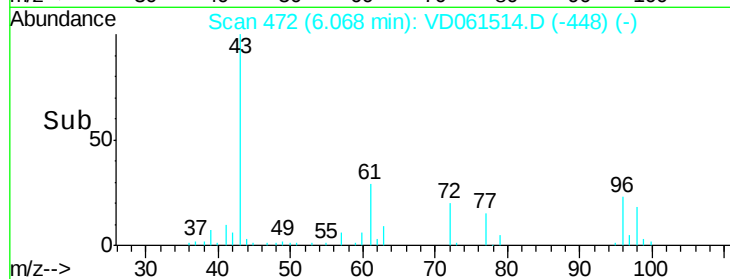
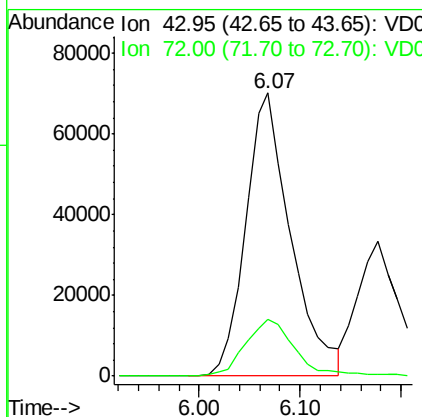
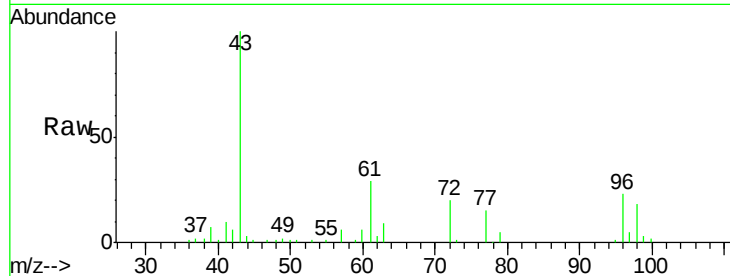




#25
2-Butanone
Concen: 113.710 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

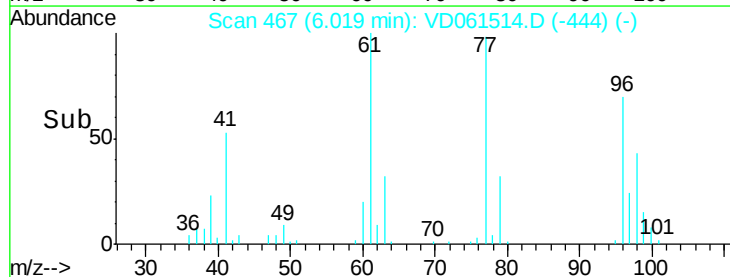
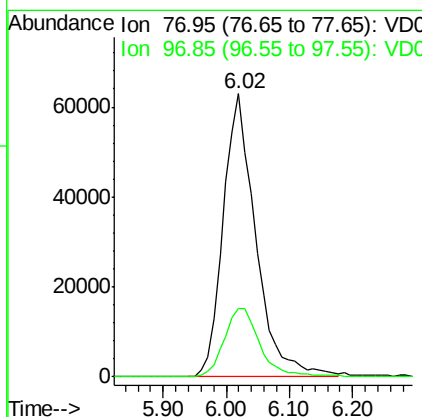
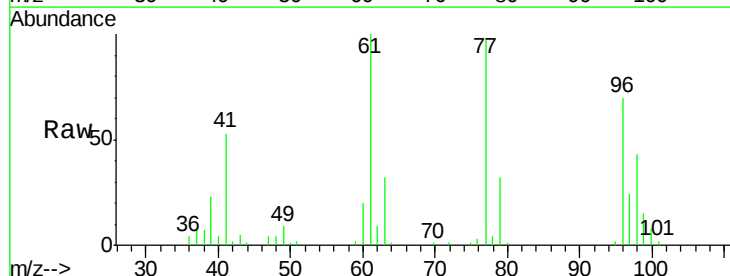
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 218076
Ion Ratio Lower Upper
43 100
72 20.1 17.2 25.8



#26
2,2-Dichloropropane
Concen: 21.992 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 77 Resp: 225983
Ion Ratio Lower Upper
77 100
97 24.2 12.7 38.0

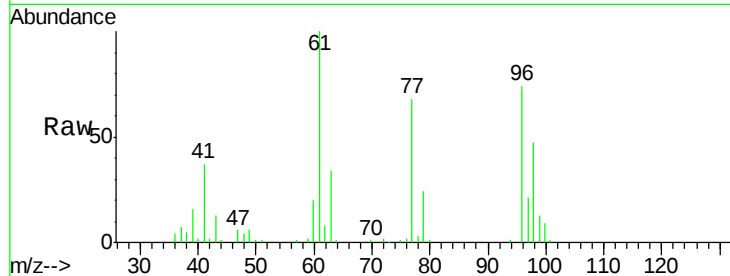




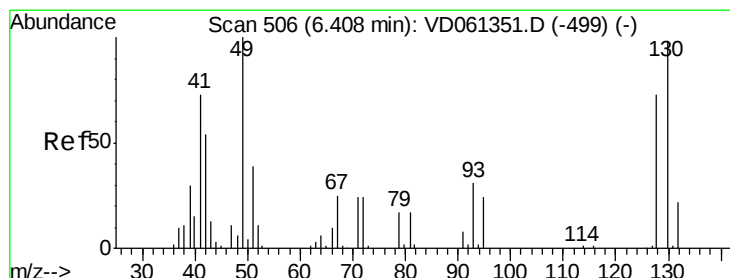
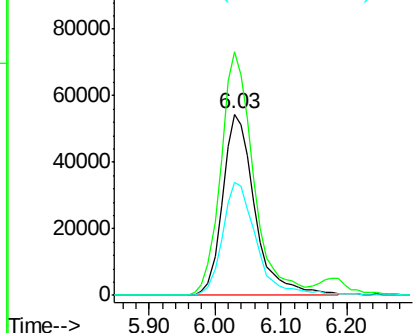
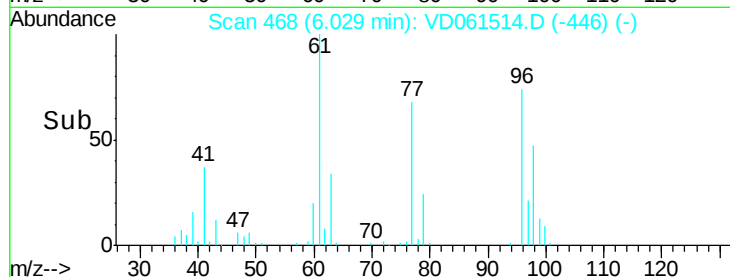
#27
 cis-1,2-Dichloroethene
 Concen: 21.122 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 186190
 Ion Ratio Lower Upper
 96 100
 61 134.5 0.0 251.6
 98 62.7 0.0 129.2

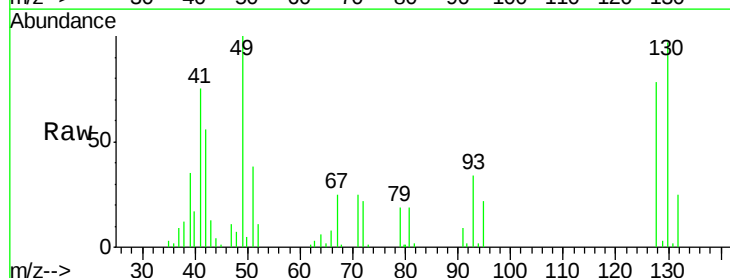


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

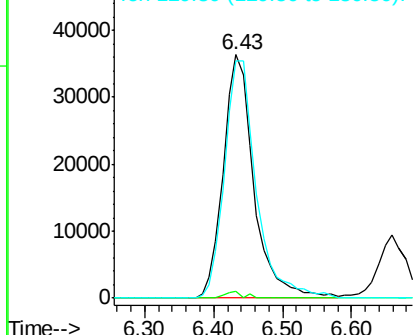
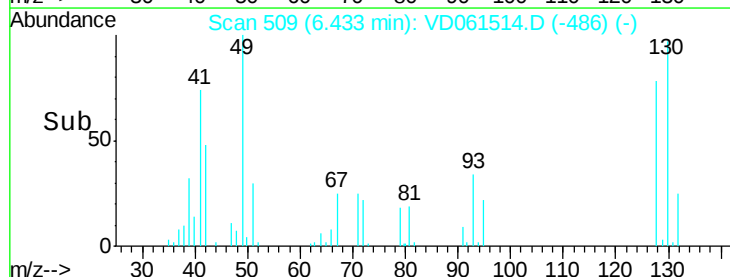


#28
 Bromochloromethane
 Concen: 21.470 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.03 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 49 Resp: 112033
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 0.0#
 130 97.4 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

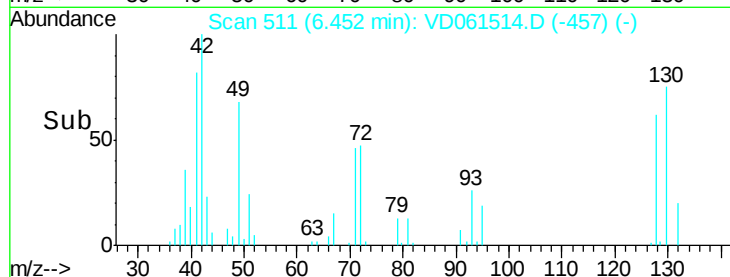
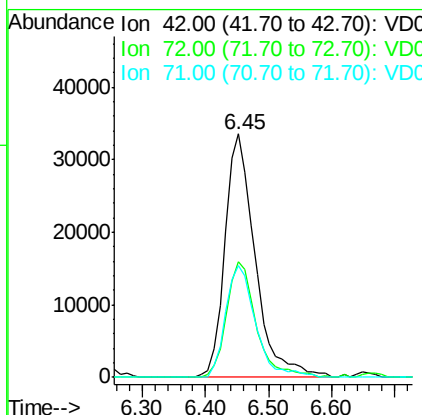
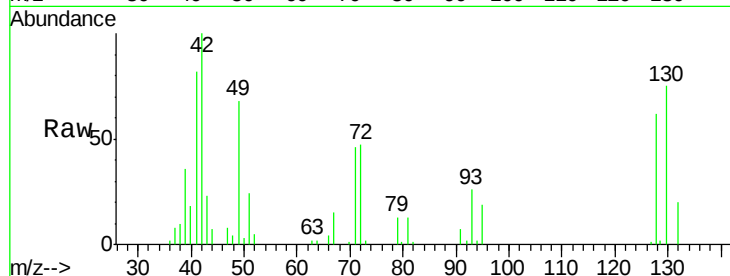




#29
Tetrahydrofuran
Concen: 119.514 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

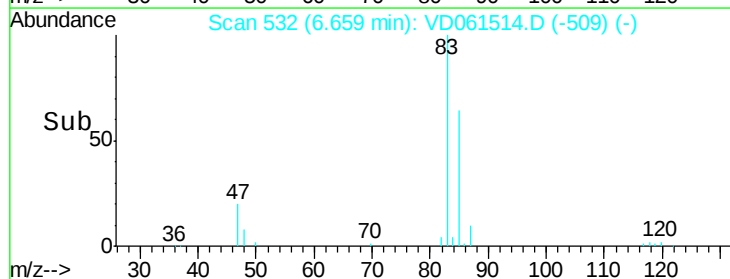
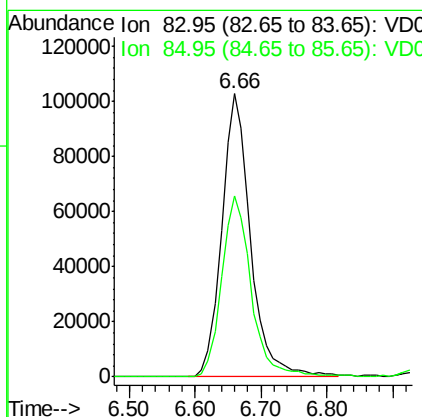
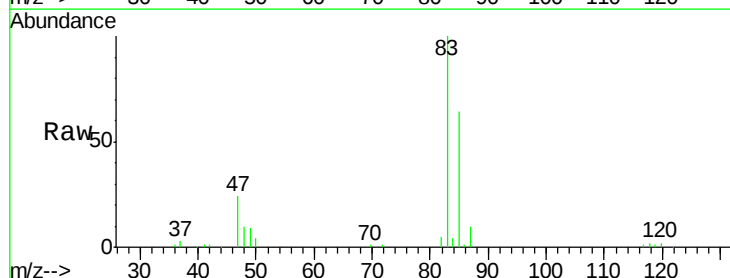
Instrument :
MSVOA_D
ClientSampleId :

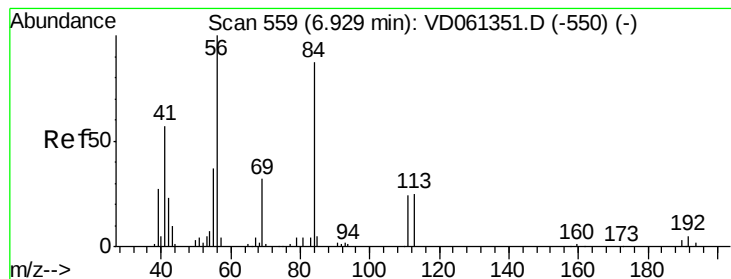
Tot Ion: 42 Resp: 111096
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 45.2 36.7 55.1



#30
Chloroform
Concen: 23.449 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 83 Resp: 313199
Ion Ratio Lower Upper
83 100
85 64.0 53.0 79.4





#31

Cvclohexane

Concen: 23.458 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

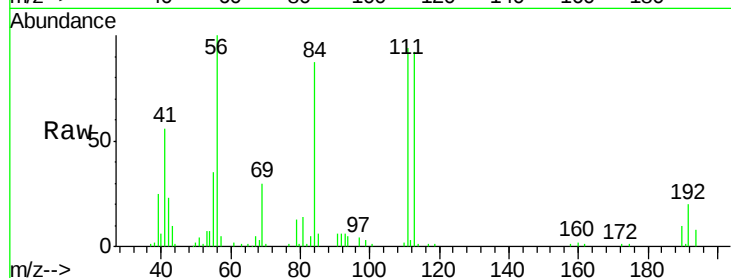
Tot Ion: 56 Resp: 239621

Ion Ratio Lower Upper

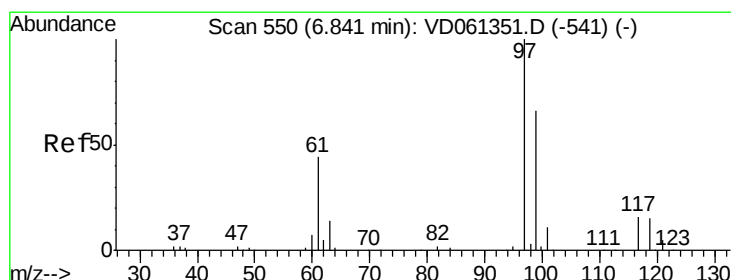
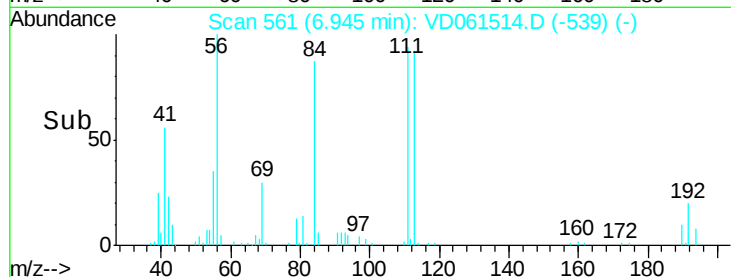
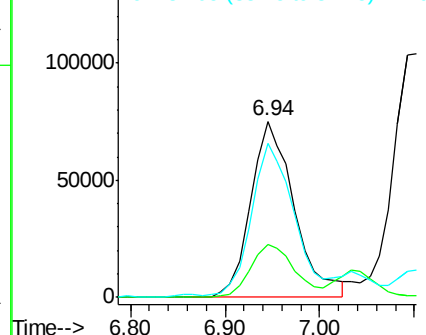
56 100

69 29.9 25.7 38.5

84 87.0 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: 21.914 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

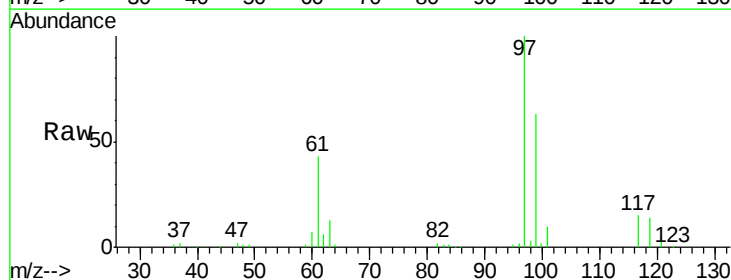
Tgt Ion: 97 Resp: 258225

Ion Ratio Lower Upper

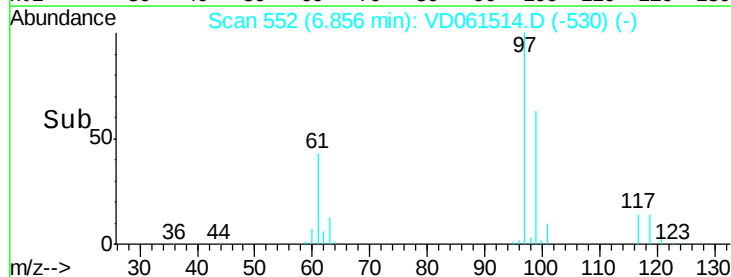
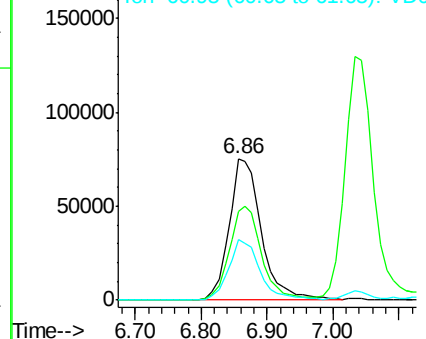
97 100

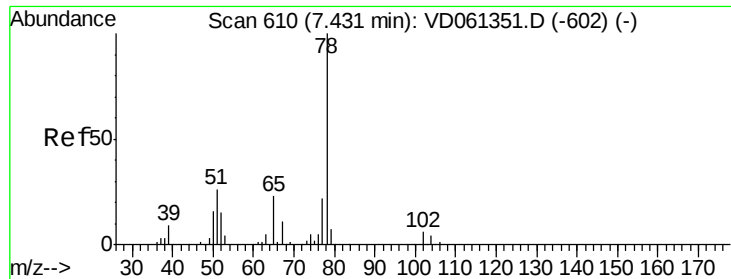
99 62.9 53.1 79.7

61 42.7 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: 21.914 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

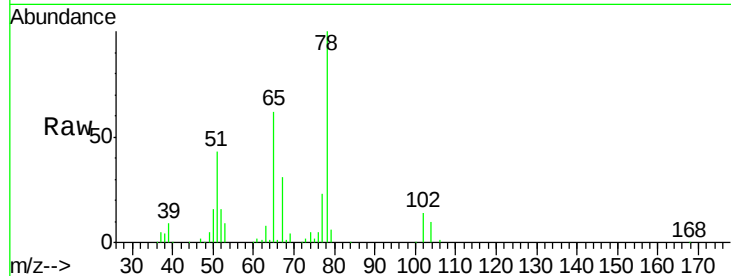
ClientSampled :

Tot Ion: 65 Resp: 331063

Ion Ratio Lower Upper

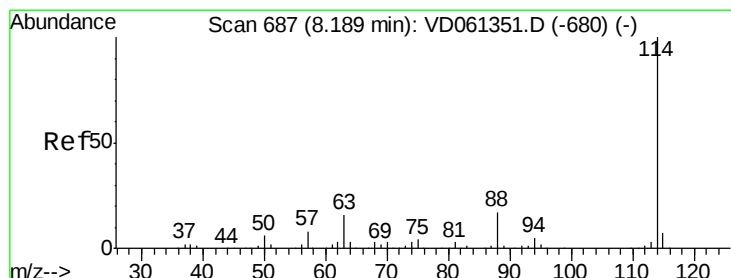
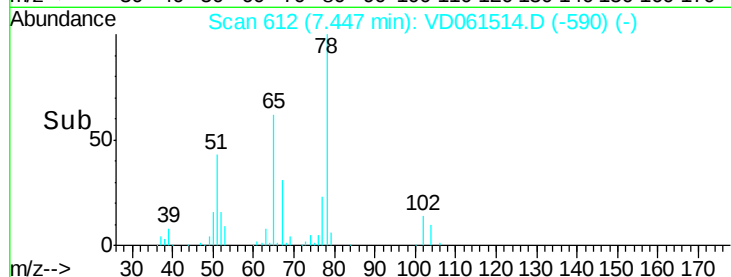
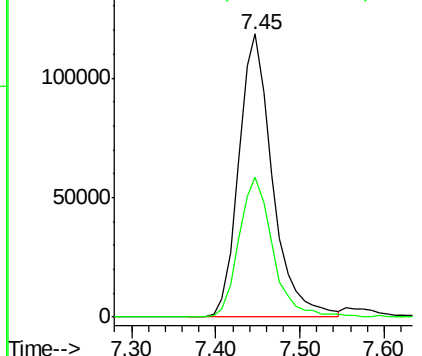
65 100

67 49.5 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: 8.21 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

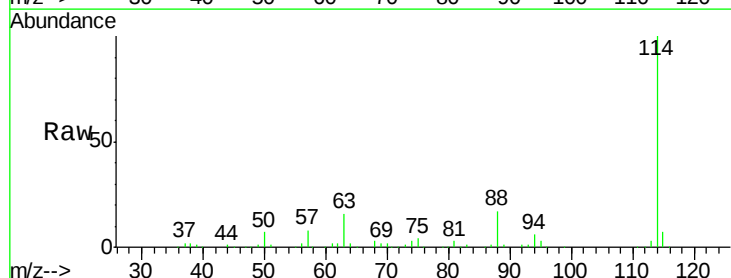
Tgt Ion: 114 Resp: 1062987

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

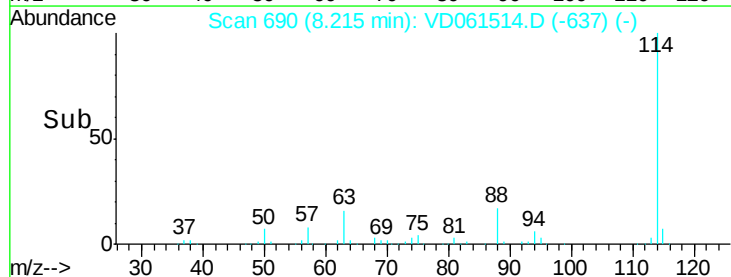
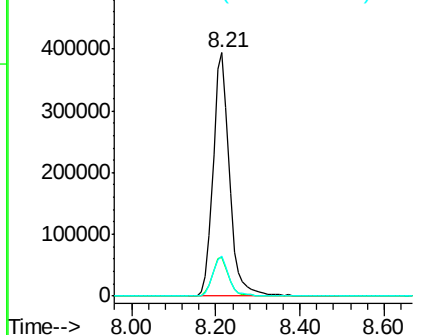
88 16.7 0.0 33.4

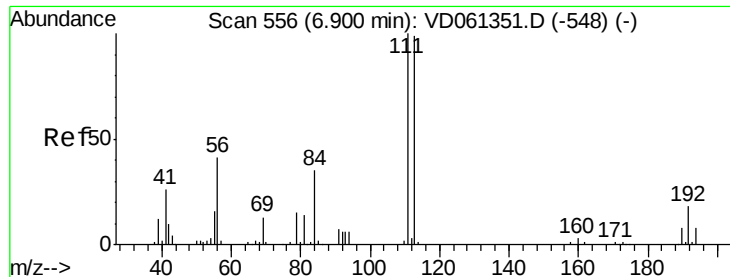


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

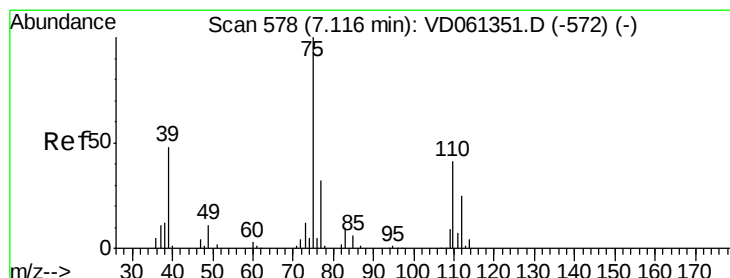
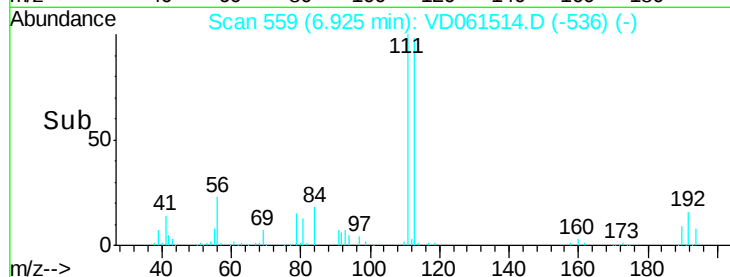
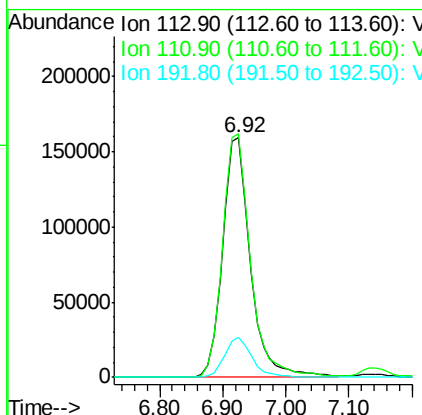
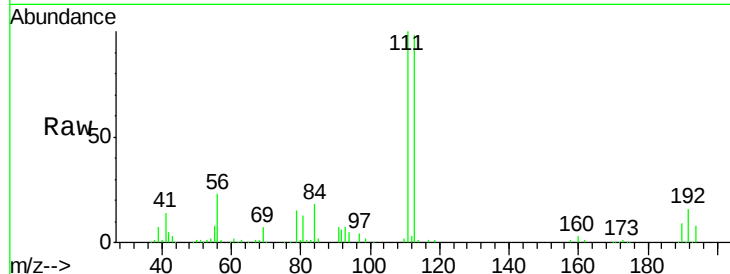




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 559
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

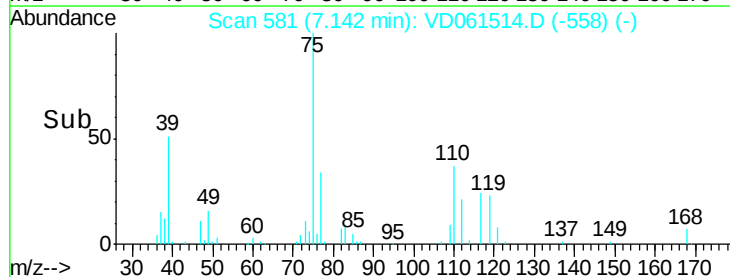
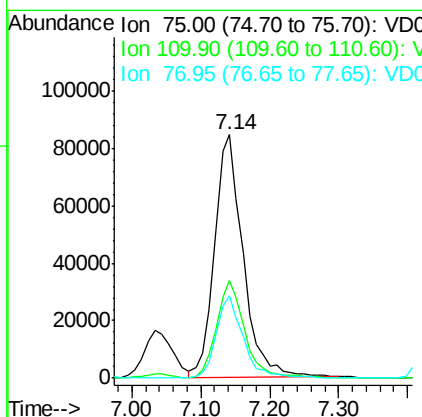
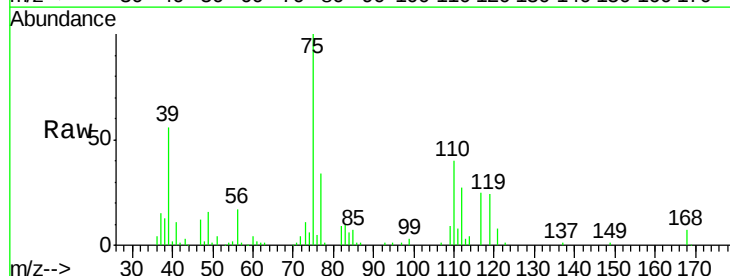
Instrument :
MSVOA_D
ClientSampleId :

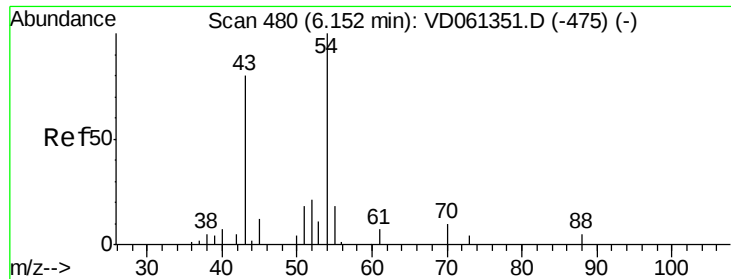
Tot Ion:113 Resp: 488919
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.6
192 16.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 26.006 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 75 Resp: 241273
Ion Ratio Lower Upper
75 100
110 40.2 20.4 61.3
77 33.6 24.9 37.3

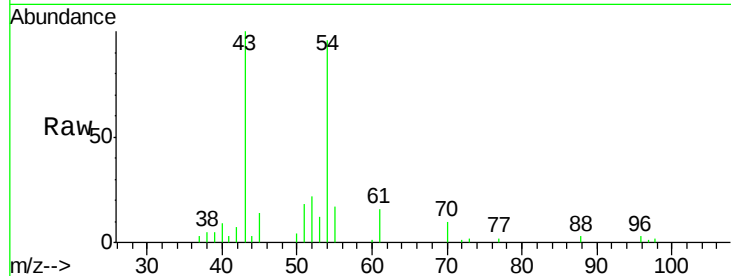




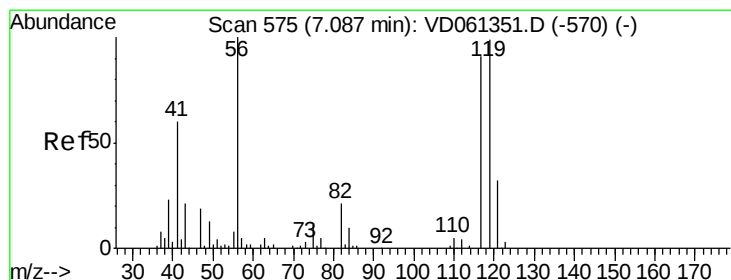
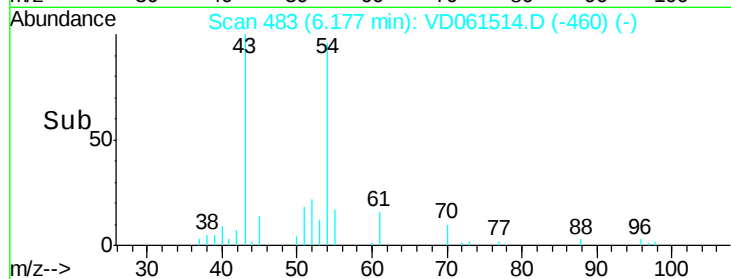
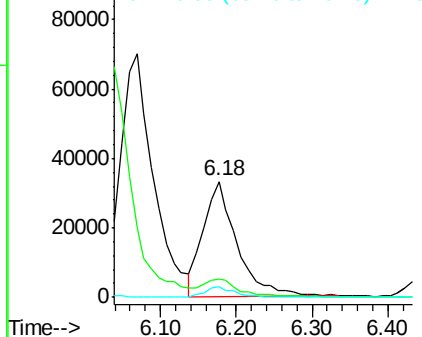
#37
Ethyl Acetate
Concen: 25.557 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 101405
Ion Ratio Lower Upper
43 100
61 15.7 13.8 20.8
70 9.7 7.8 11.8

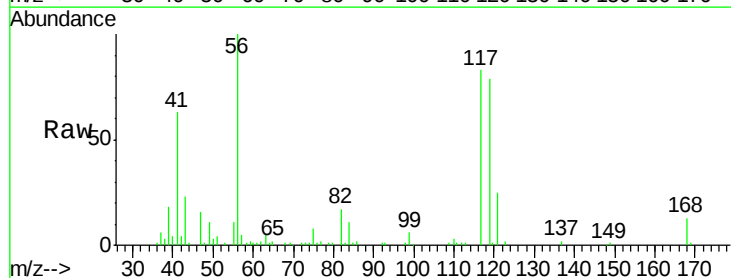


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

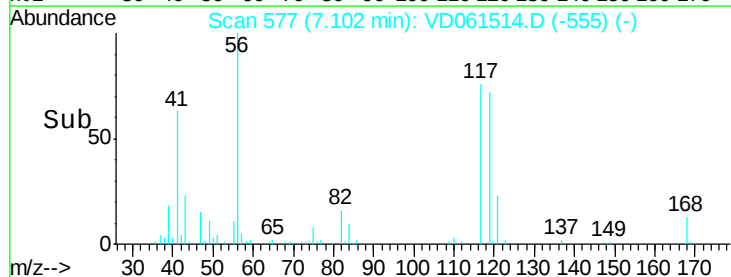
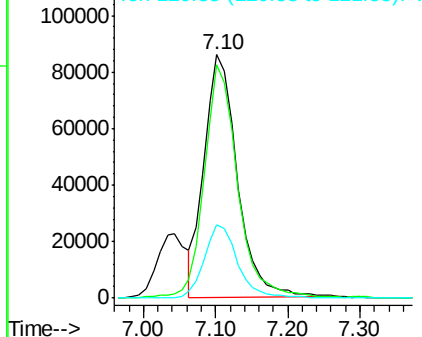


#38
Carbon Tetrachloride
Concen: 25.637 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 117 Resp: 273305
Ion Ratio Lower Upper
117 100
119 95.6 80.1 120.1
121 30.1 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 25.677 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

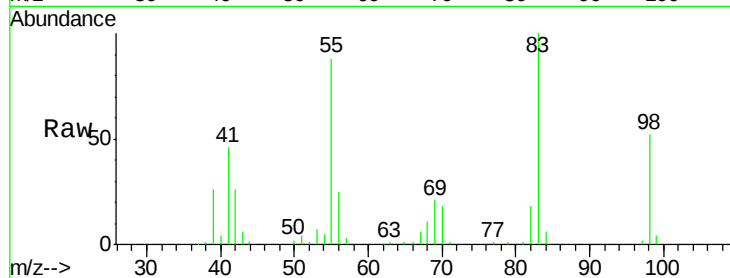
Tot Ion: 83 Resp: 248100

Ion Ratio Lower Upper

83 100

55 87.6 71.5 107.3

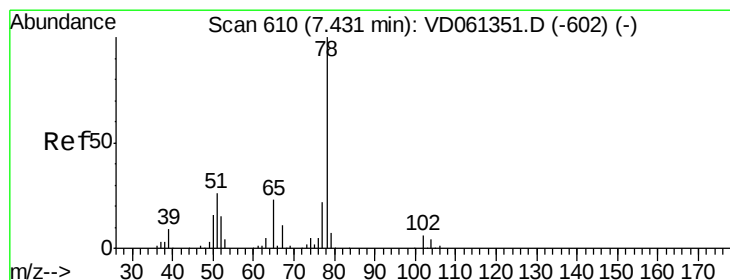
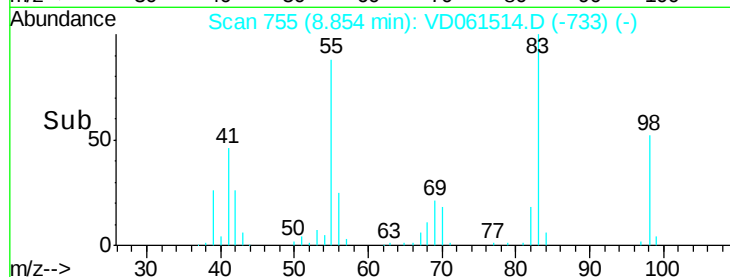
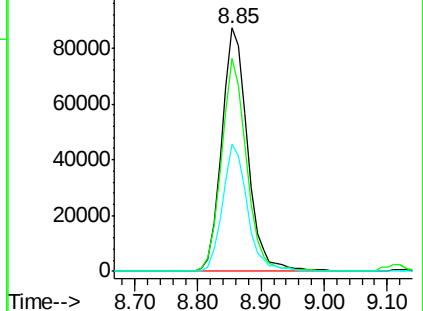
98 52.3 40.3 60.5



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: 24.417 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061514.D

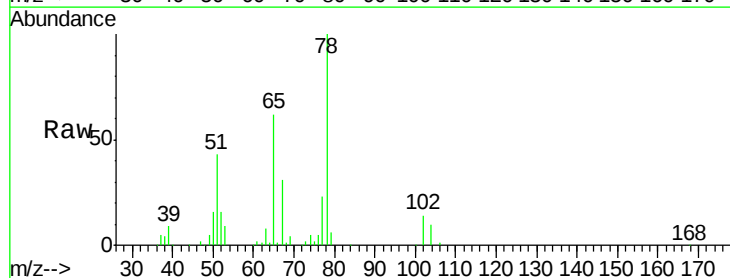
Acq: 2 Apr 2019 15:11

Tgt Ion: 78 Resp: 568523

Ion Ratio Lower Upper

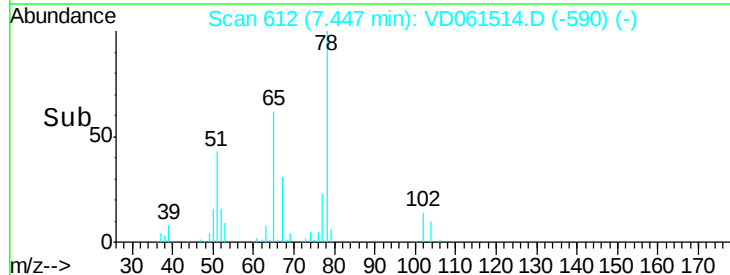
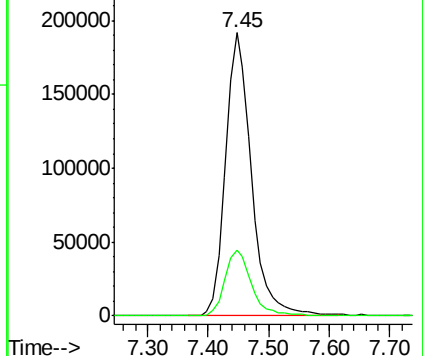
78 100

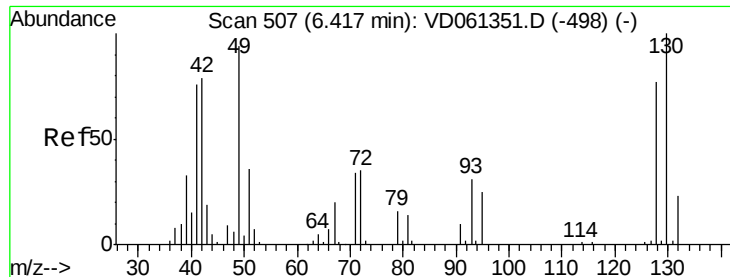
77 23.0 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

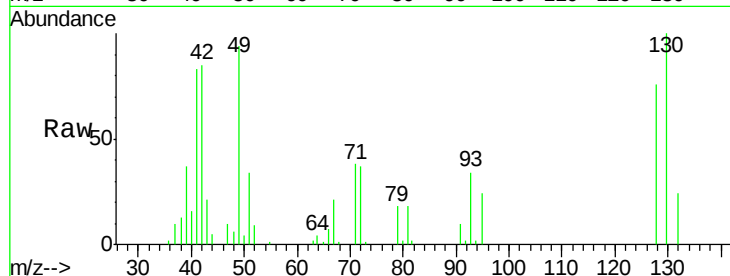




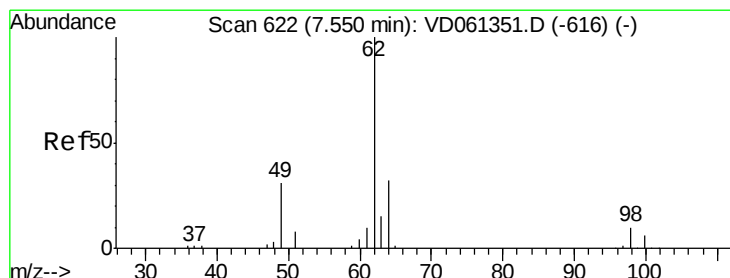
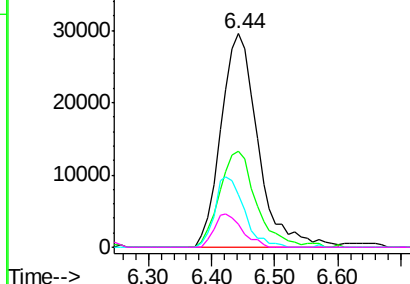
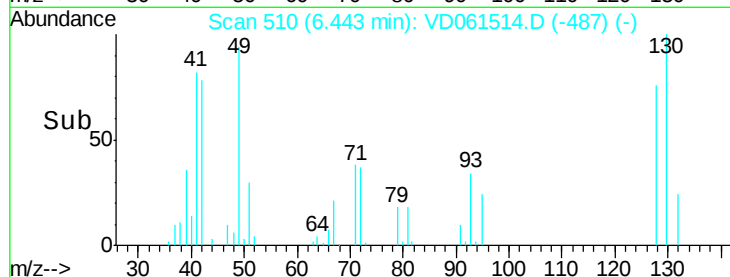
#41
Methacrylonitrile
Concen: 25.850 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 119925
Ion Ratio Lower Upper
41 100
39 44.7 35.0 52.6
67 24.6 21.0 31.6
52 11.1 7.7 11.5

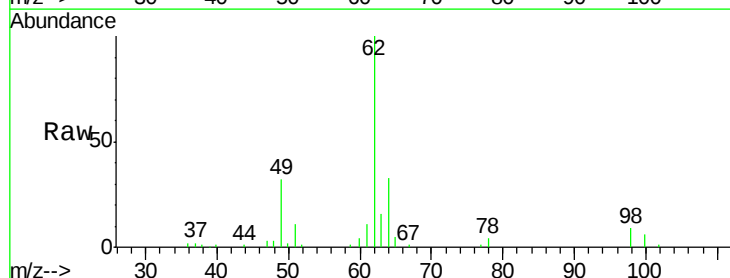


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

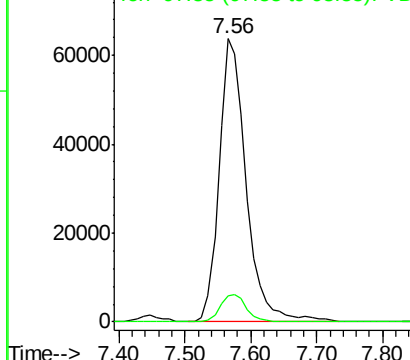
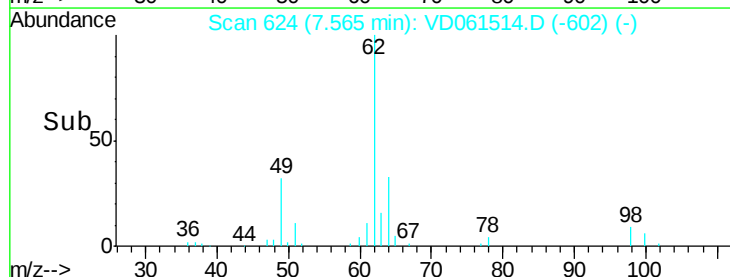


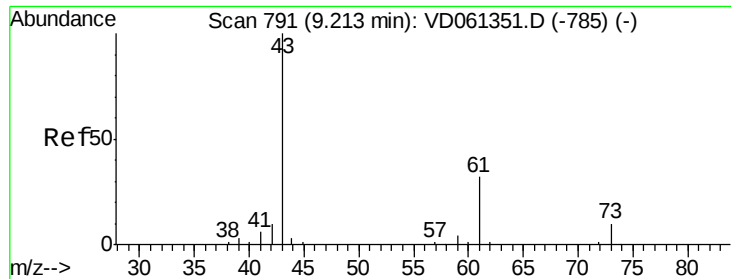
#42
1,2-Dichloroethane
Concen: 26.138 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 62 Resp: 182046
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.8



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



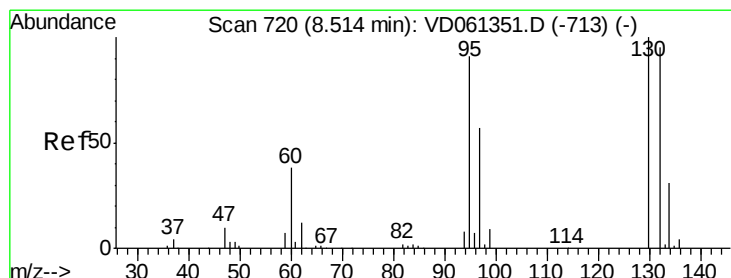
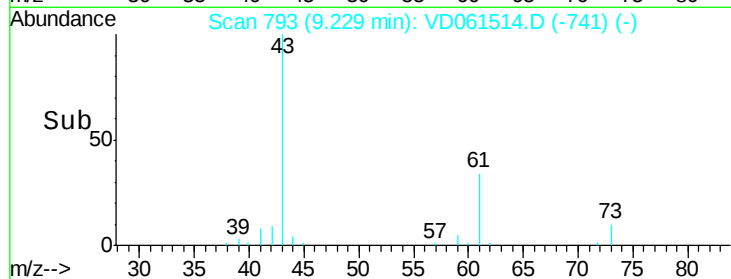
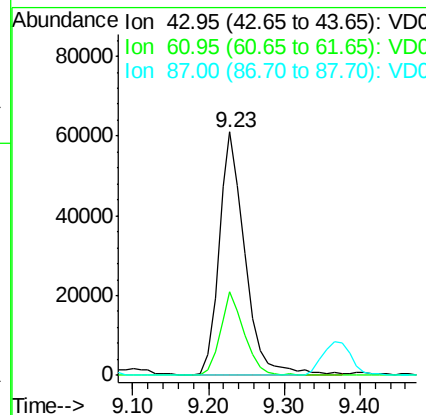
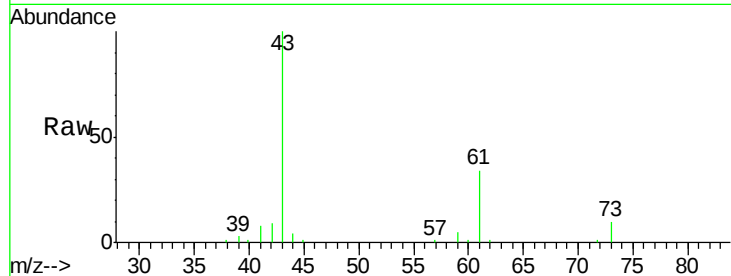


#43

Isopropyl Acetate
 Concen: 25.257 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :

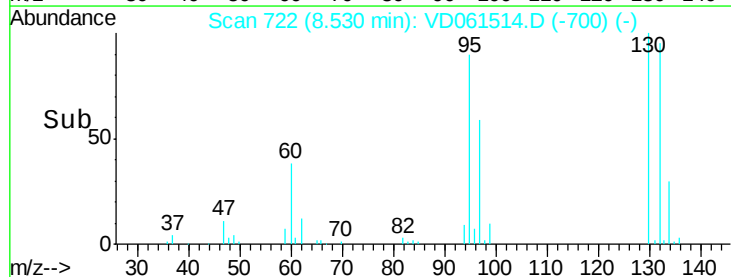
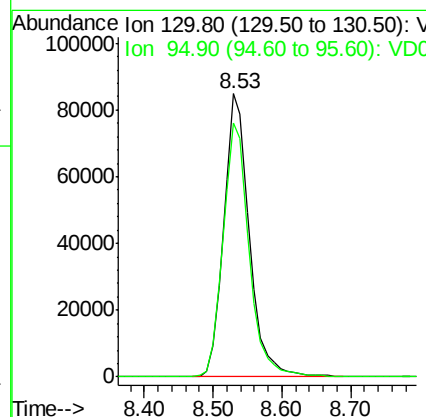
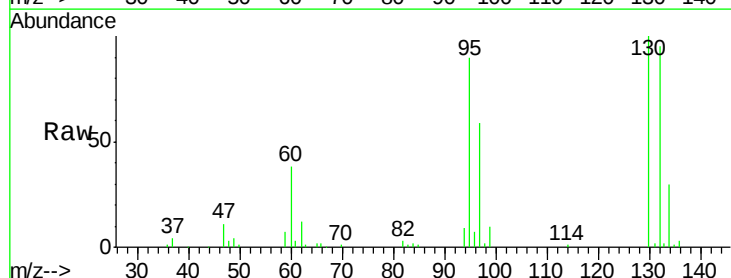
Tot Ion: 43 Resp: 145809
 Ion Ratio Lower Upper
 43 100
 61 34.1 25.8 38.6
 87 0.0 0.0 0.0

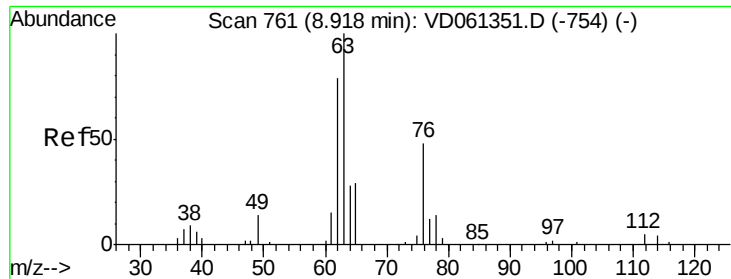


#44

Trichloroethene
 Concen: 25.124 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 130 Resp: 217698
 Ion Ratio Lower Upper
 130 100
 95 89.9 0.0 181.4





#45

1,2-Dichloropropane

Concen: 24.707 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

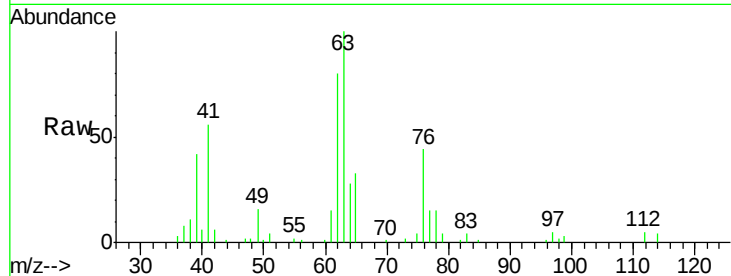
ClientSampled :

Tot Ion: 63 Resp: 145876

Ion Ratio Lower Upper

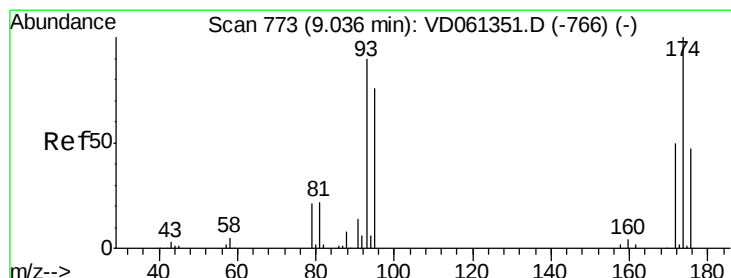
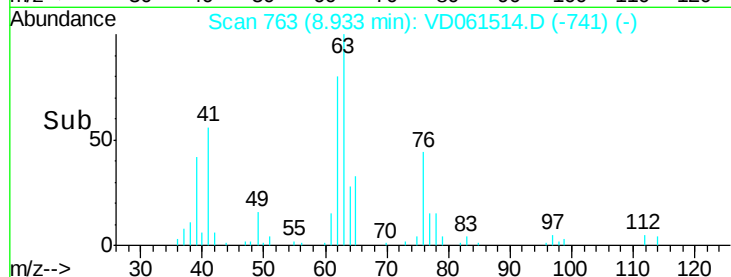
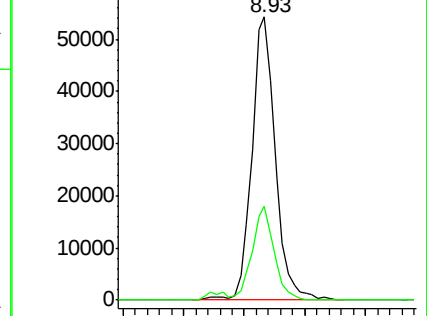
63 100

65 33.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.181 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

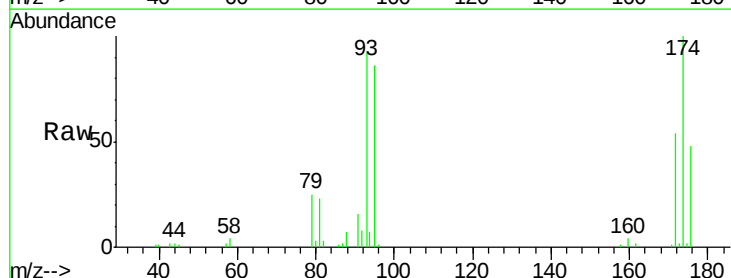
Tgt Ion: 93 Resp: 96092

Ion Ratio Lower Upper

93 100

95 93.6 67.4 101.0

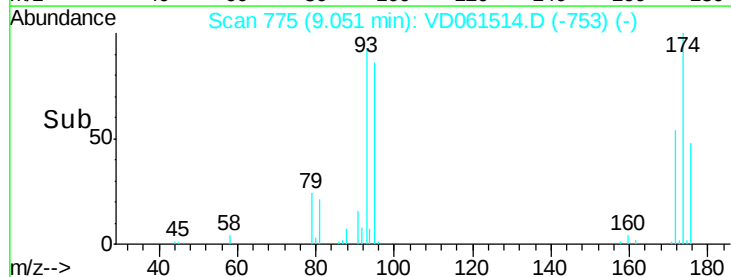
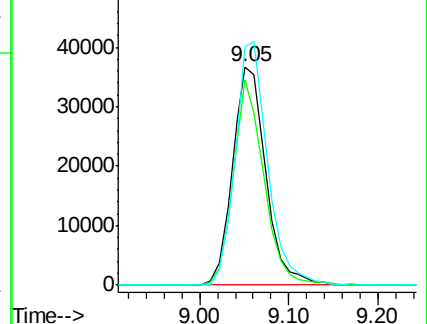
174 109.2 88.9 133.3



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

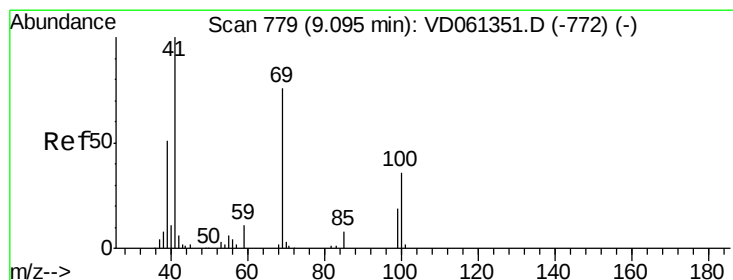
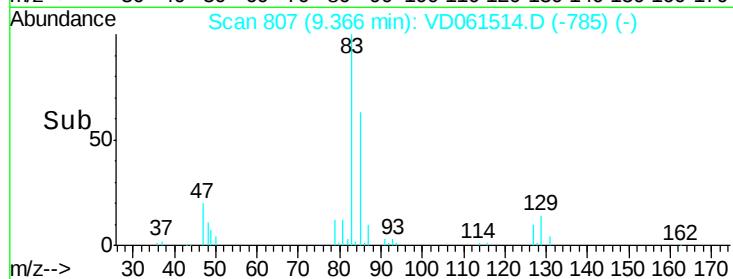
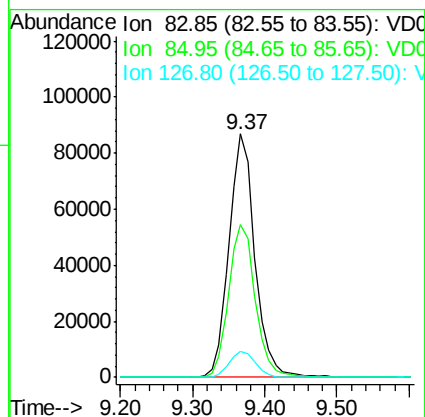
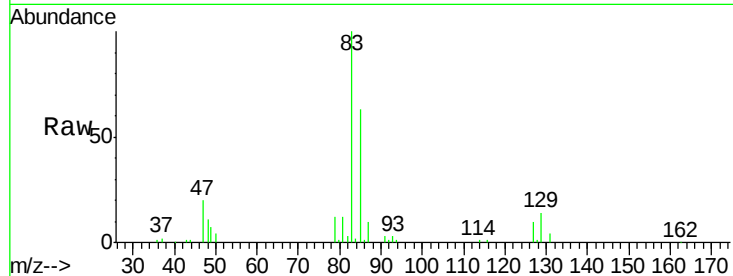




#47
Bromodichloromethane
Concen: 24.291 ug/l
RT: 9.37 min Scan# 807
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

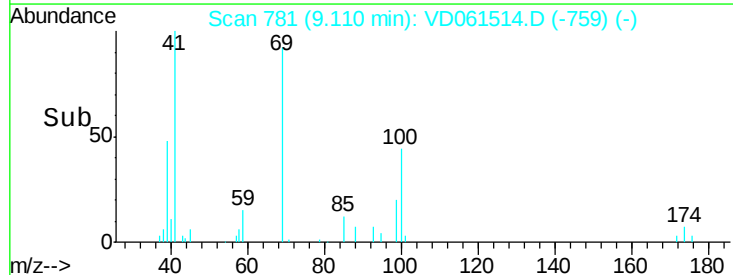
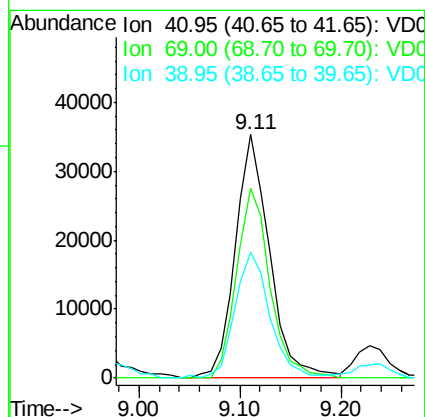
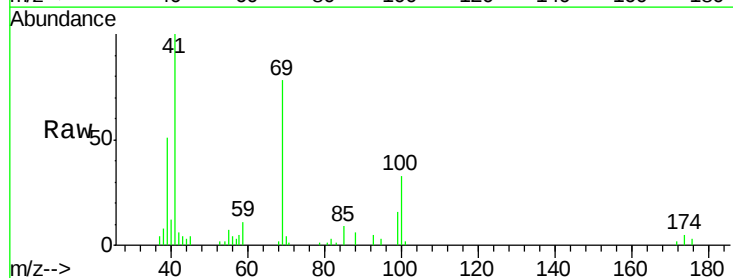
Instrument :
MSVOA_D
ClientSampleId :

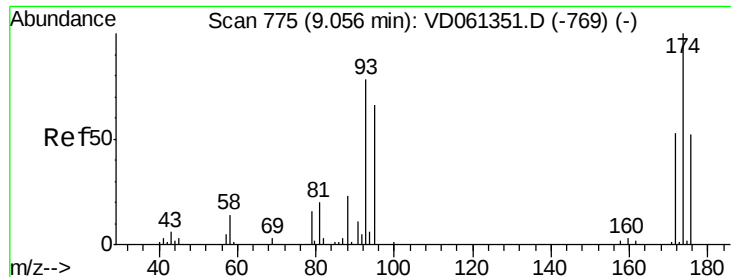
Tot Ion: 83 Resp: 216656
Ion Ratio Lower Upper
83 100
85 62.9 53.0 79.4
127 10.5 8.4 12.6



#48
Methyl methacrylate
Concen: 26.243 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 41 Resp: 83612
Ion Ratio Lower Upper
41 100
69 77.9 60.2 90.4
39 51.4 41.4 62.2

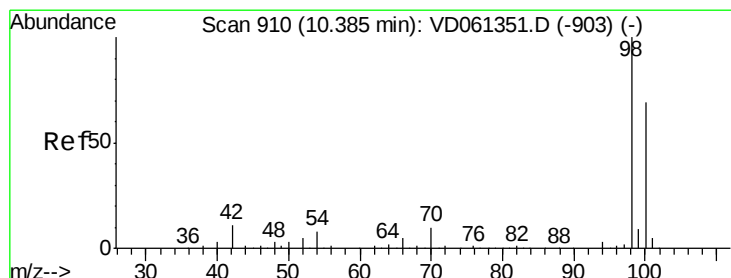
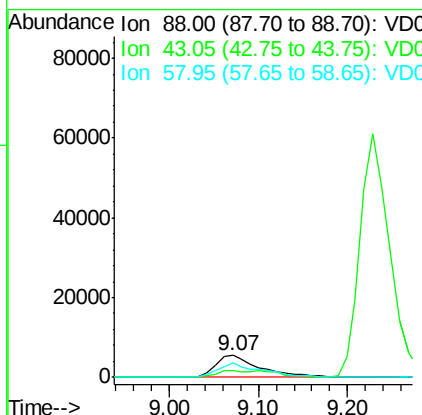
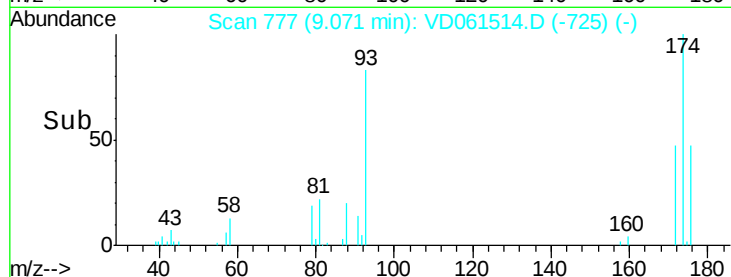
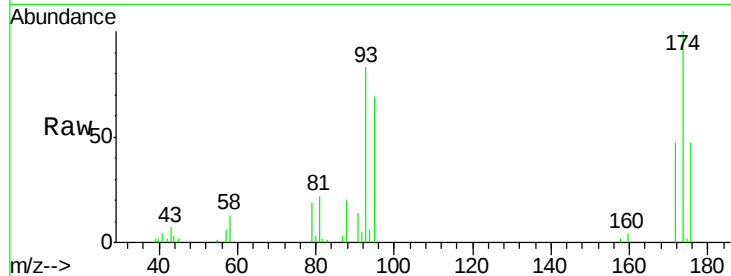




#49
1,4-Dioxane
Concen: 529.311 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

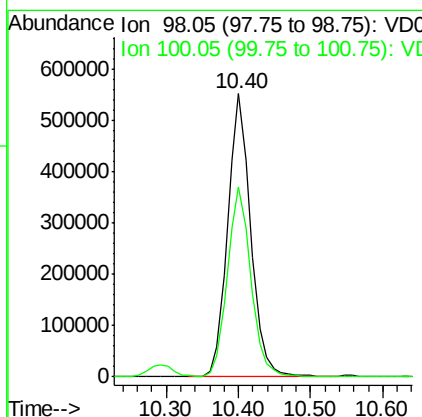
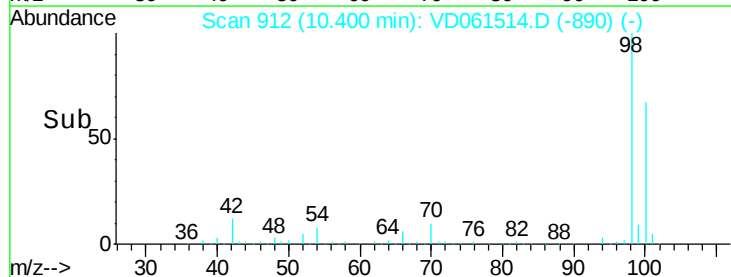
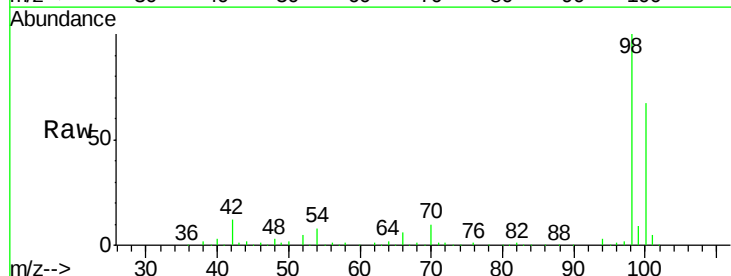
Instrument :
MSVOA_D
ClientSampleId :

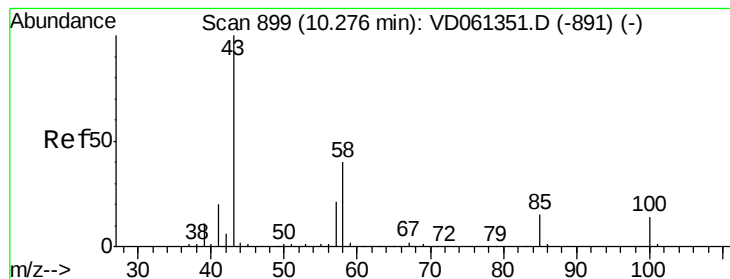
Tot Ion: 88 Resp: 18601
Ion Ratio Lower Upper
88 100
43 33.2 23.3 34.9
58 64.2 50.8 76.2



#50
Toluene-d8
Concen: 529.311 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 98 Resp: 1230161
Ion Ratio Lower Upper
98 100
100 67.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 128.022 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

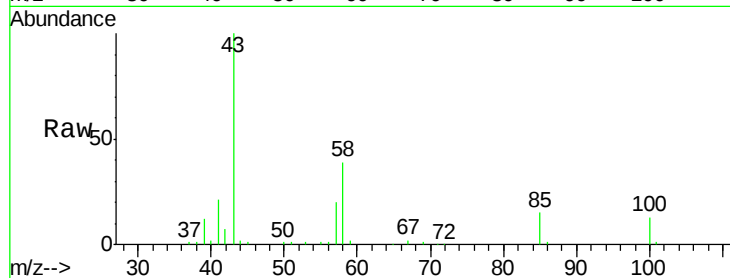
ClientSampleId :

Tot Ion: 43 Resp: 449645

Ion Ratio Lower Upper

43 100

58 39.1 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

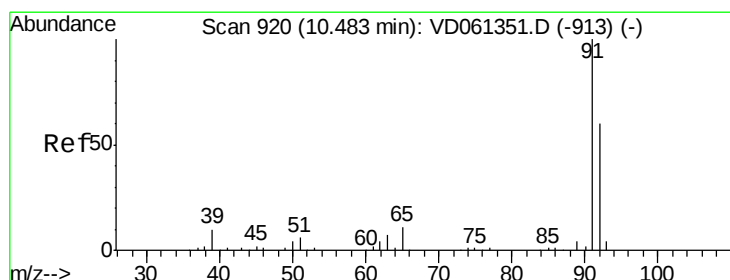
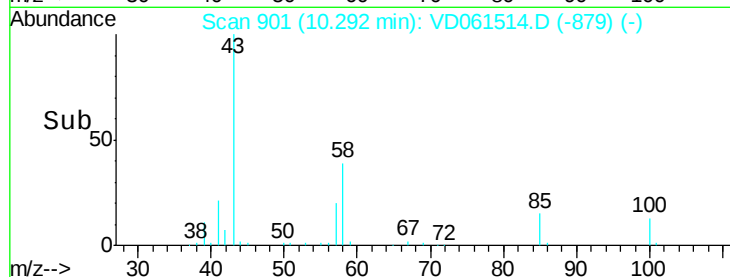
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 25.266 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061514.D

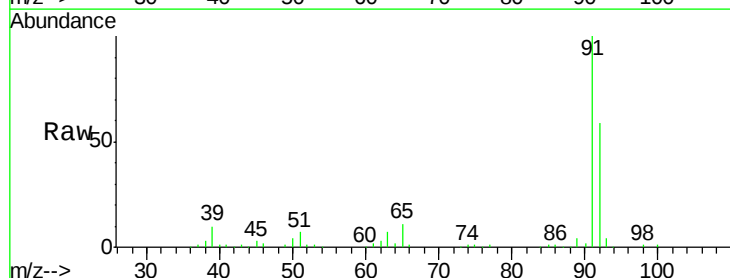
Acq: 2 Apr 2019 15:11

Tgt Ion: 92 Resp: 358908

Ion Ratio Lower Upper

92 100

91 170.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

300000

250000

200000

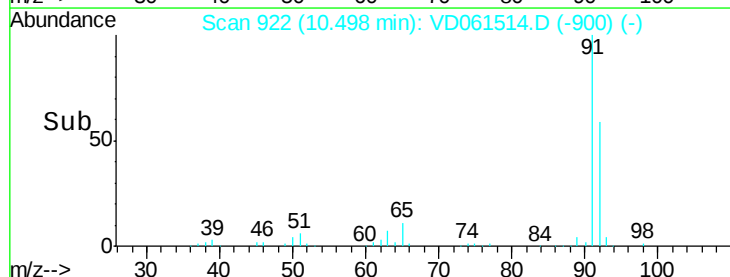
150000

100000

50000

0

Time-->

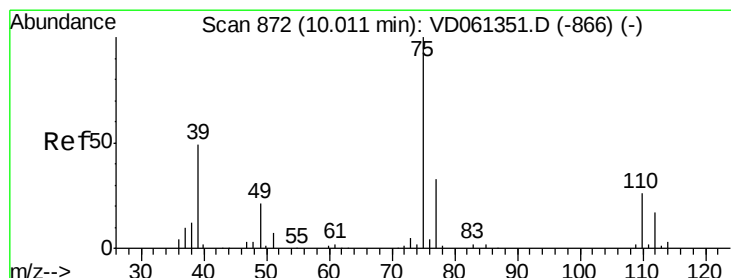
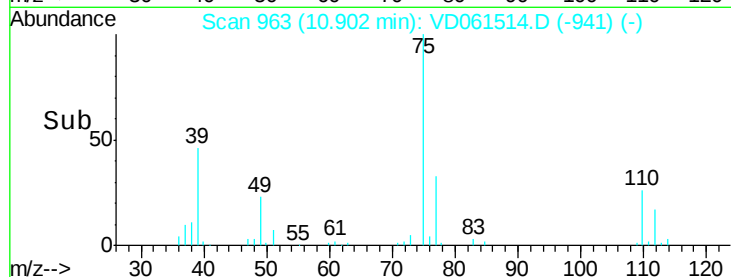
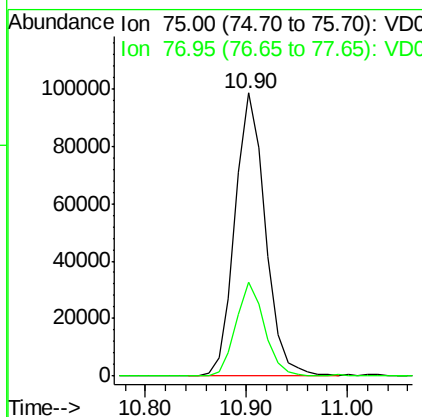
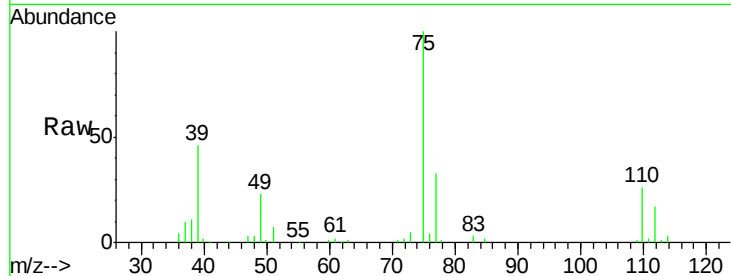




#53
 t-1,3-Dichloropropene
 Concen: 25.441 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

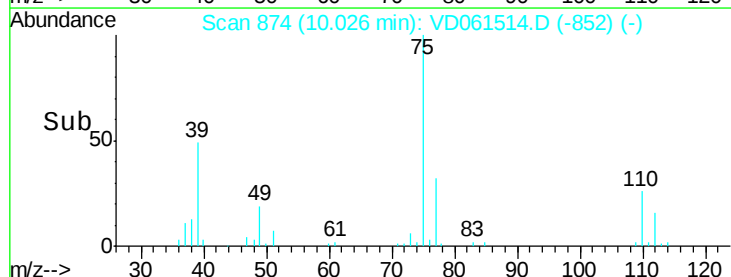
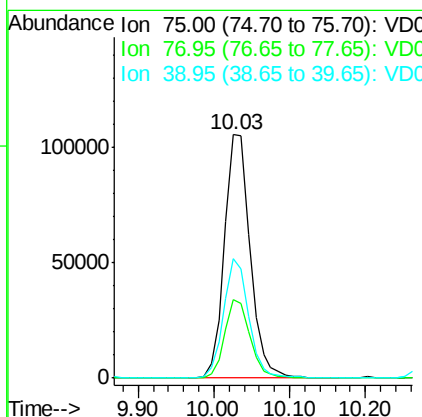
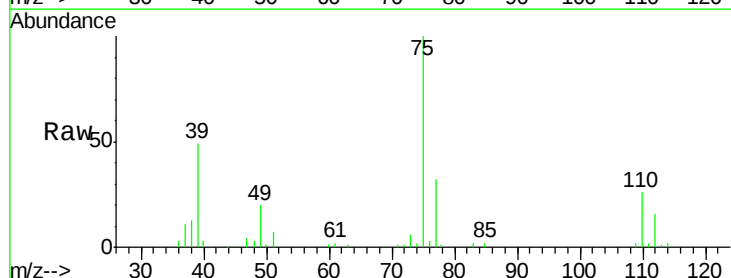
Instrument :
 MSVOA_D
 ClientSampled :

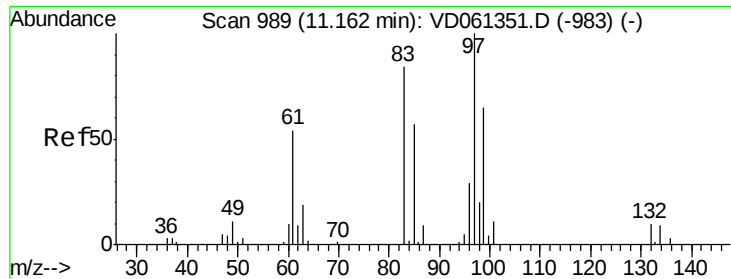
Tot Ion: 75 Resp: 206164
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 25.197 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 75 Resp: 248626
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.4
 39 49.2 39.4 59.0

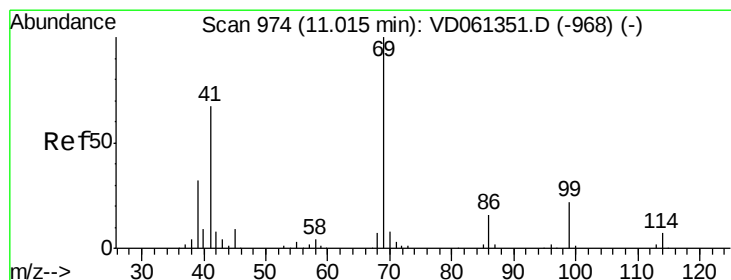
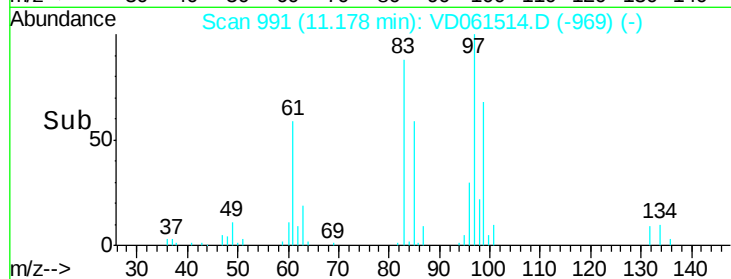
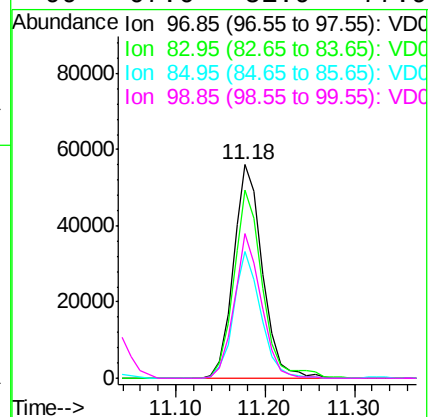
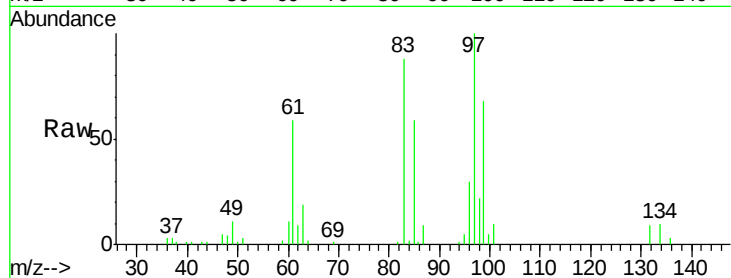




#55
1,1,2-Trichloroethane
Concen: 25.627 ug/l
RT: 11.18 min Scan# 991
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

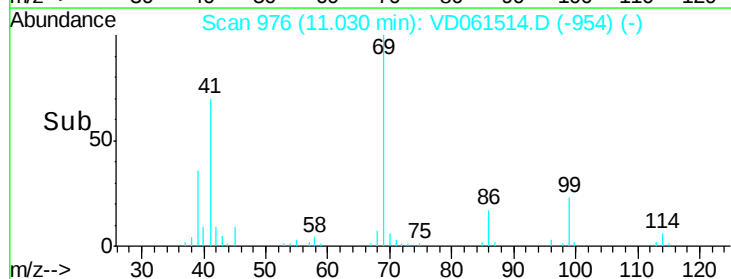
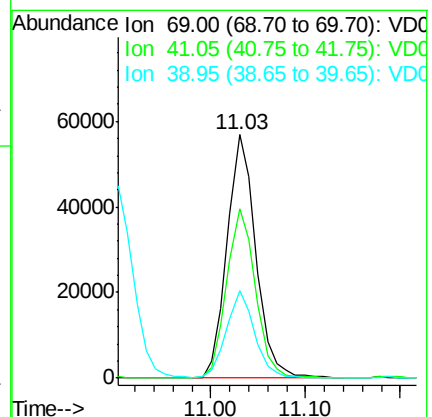
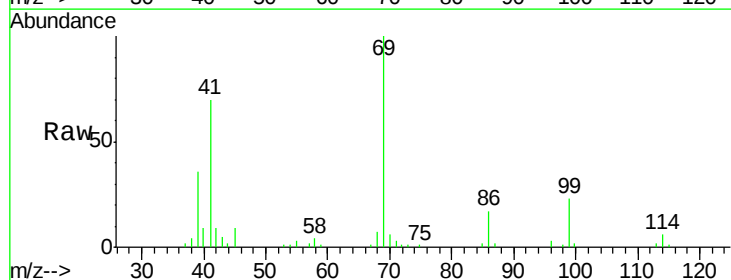
Instrument :
MSVOA_D
ClientSampleId :

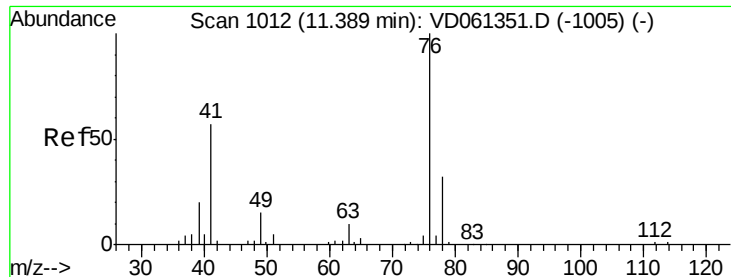
Tot Ion:	97	Resp:	127309
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.0	100.6
85	59.3	45.4	68.2
99	67.6	51.9	77.9



#56
Ethyl methacrylate
Concen: 22.440 ug/l
RT: 11.03 min Scan# 976
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:	69	Resp:	119759
Ion	Ratio	Lower	Upper
69	100		
41	69.5	53.8	80.6
39	35.9	26.4	39.6





#57

1,3-Dichloropropane

Concen: 26.078 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

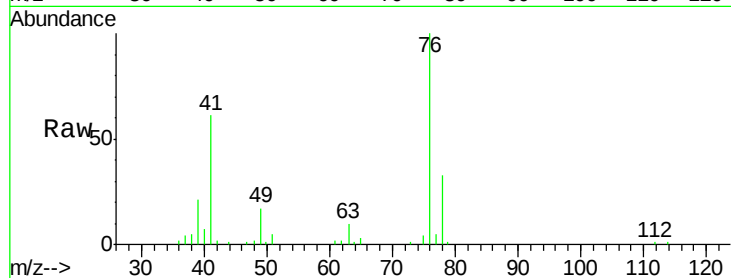
ClientSampleId :

Tot Ion: 76 Resp: 190418

Ion Ratio Lower Upper

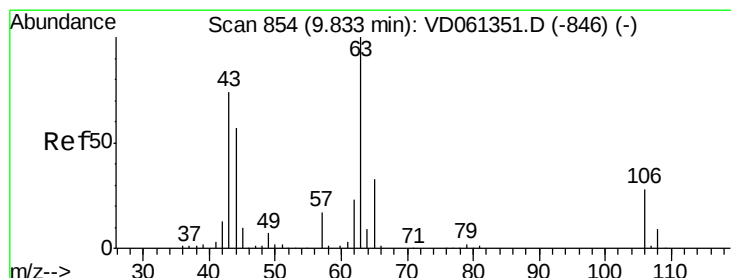
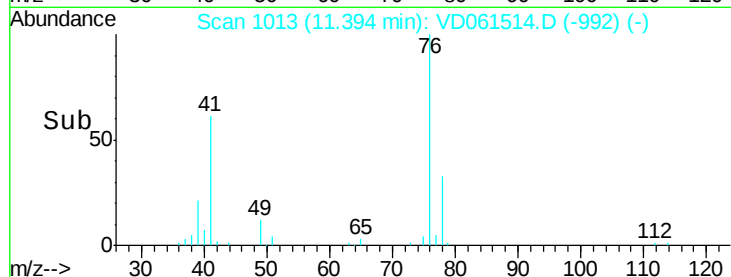
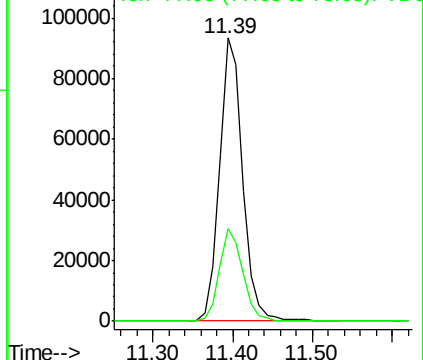
76 100

78 32.8 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 119.759 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.02 min

Lab File: VD061514.D

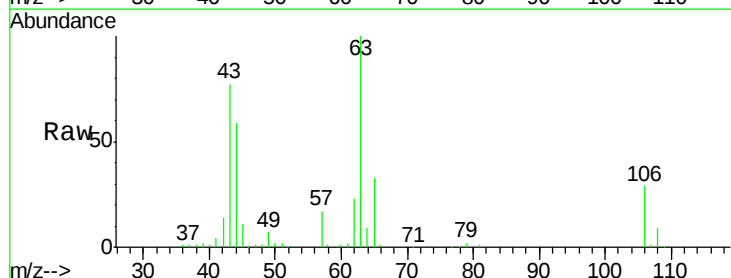
Acq: 2 Apr 2019 15:11

Tgt Ion: 63 Resp: 311250

Ion Ratio Lower Upper

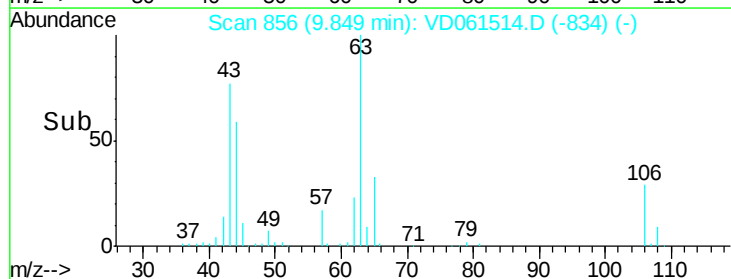
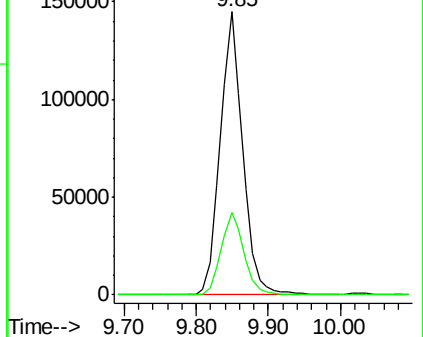
63 100

106 29.1 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

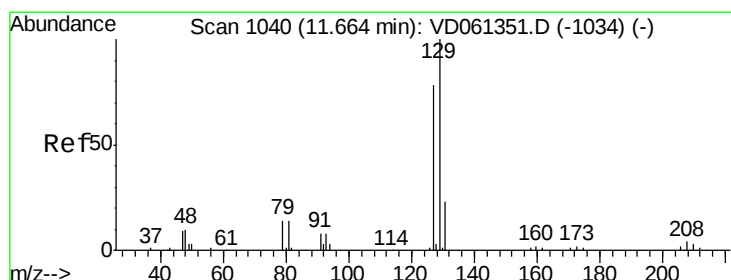
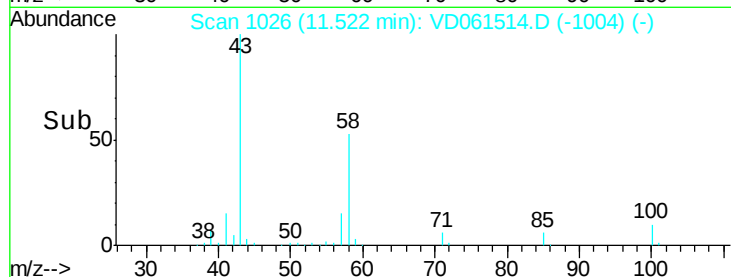
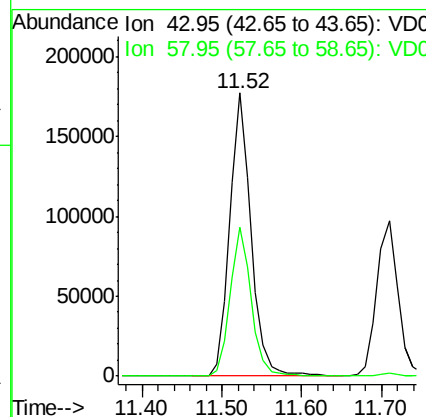
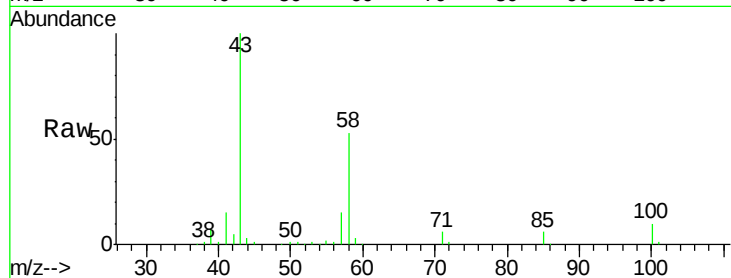




#59
2-Hexanone
Concen: 132.031 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

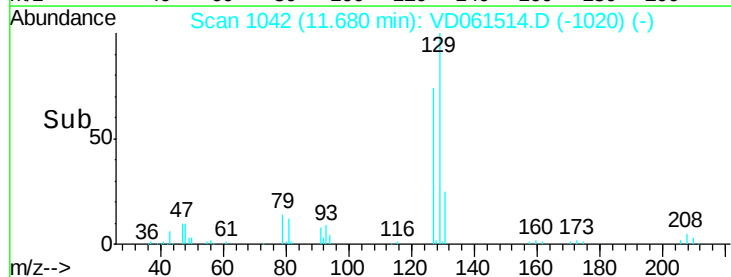
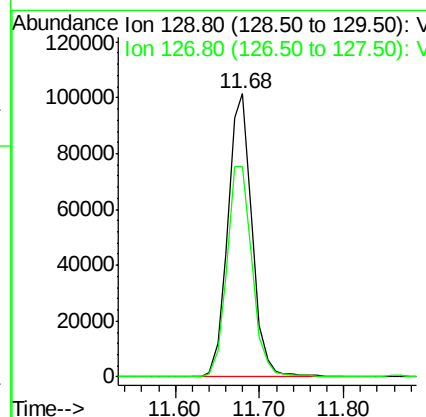
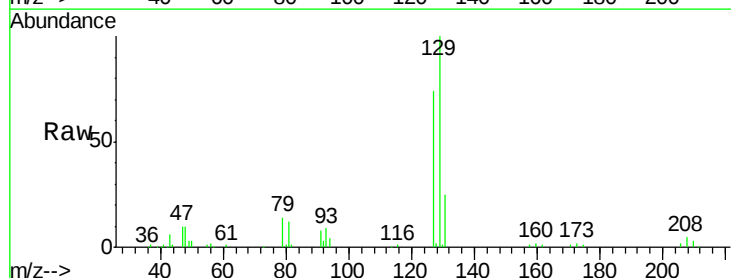
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 335985
Ion Ratio Lower Upper
43 100
58 52.7 26.3 78.9



#60
Dibromochloromethane
Concen: 26.244 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 129 Resp: 200988
Ion Ratio Lower Upper
129 100
127 74.5 39.0 116.9

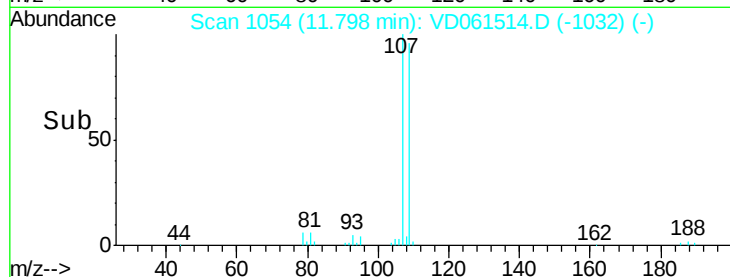
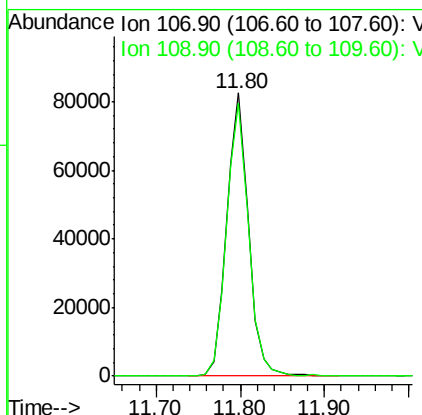
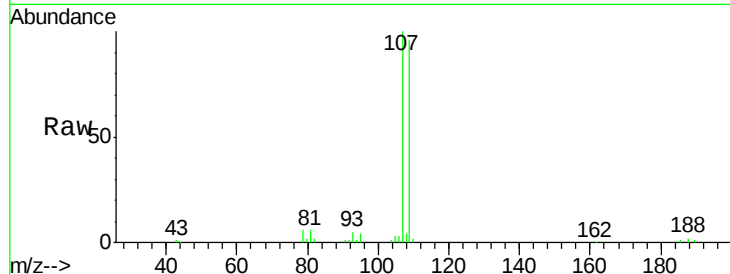




#61
 1,2-Dibromoethane
 Concen: 25.636 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

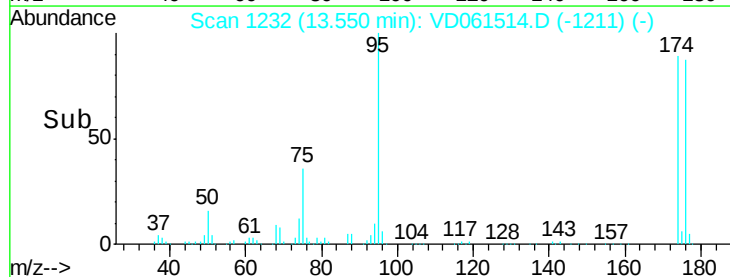
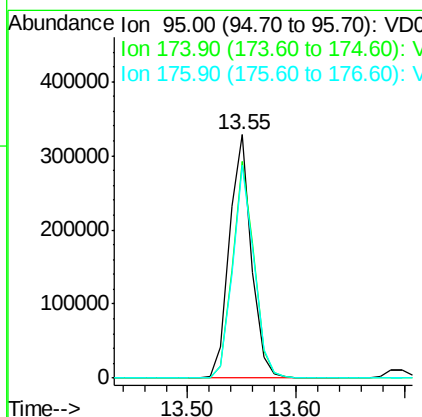
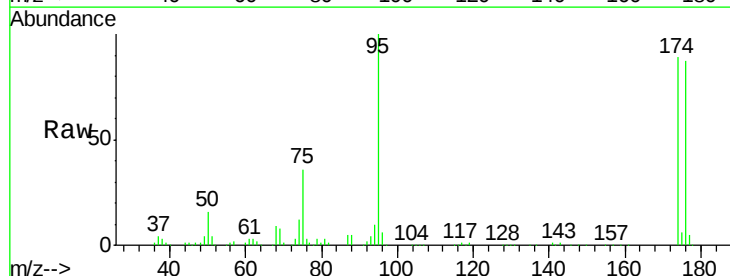
Instrument :
 MSVOA_D
 ClientSampleId :

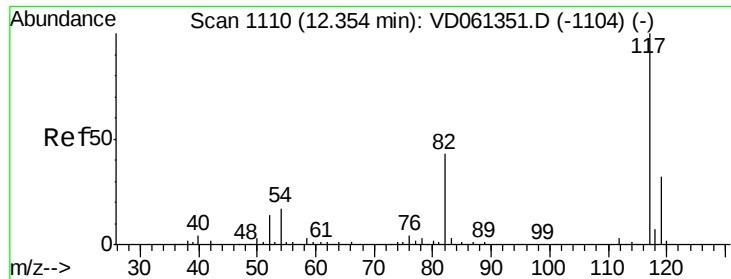
Tot Ion: 107 Resp: 147469
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 25.636 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 95 Resp: 463268
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.0
 176 87.4 0.0 175.0

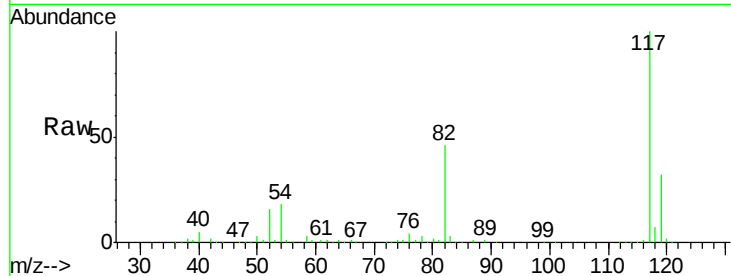




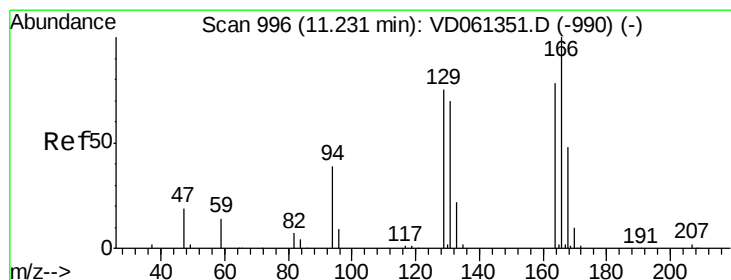
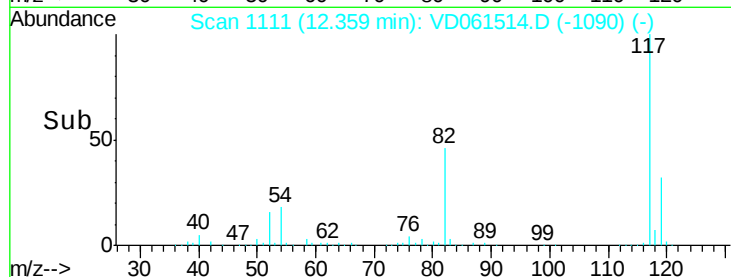
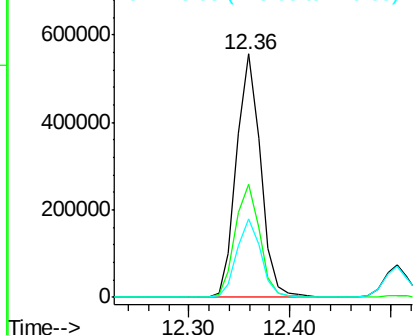
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 924709
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 32.2 25.8 38.6

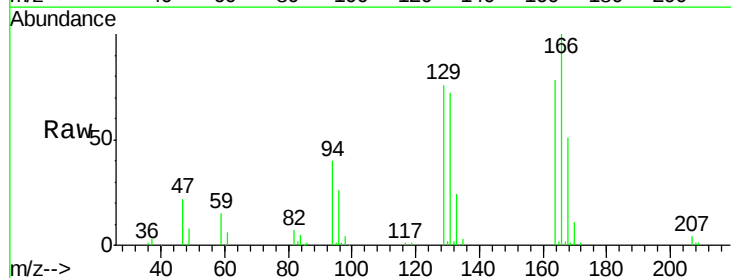


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

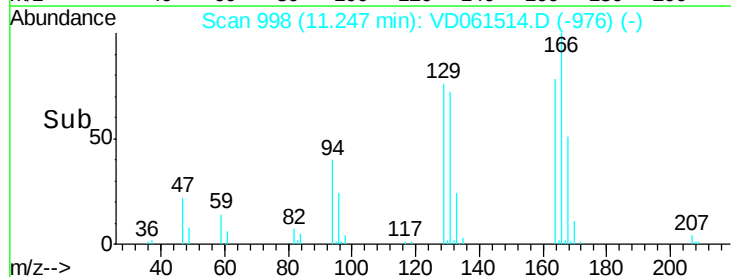
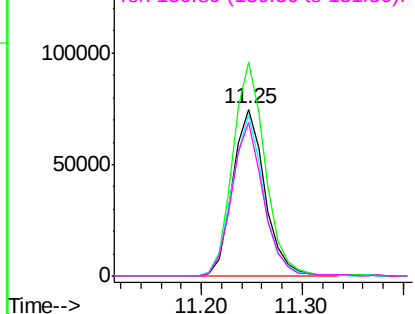


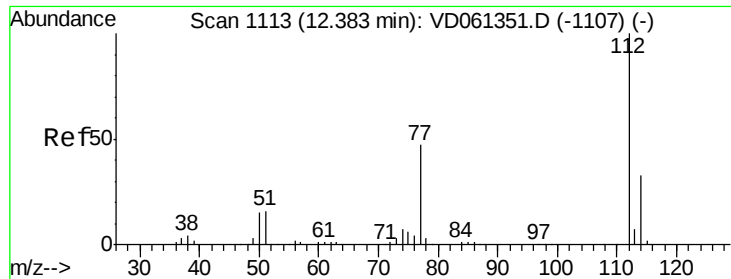
#64
Tetrachloroethene
Concen: 22.944 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:164 Resp: 166511
Ion Ratio Lower Upper
164 100
166 128.2 102.4 153.6
129 96.8 76.8 115.2
131 92.5 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

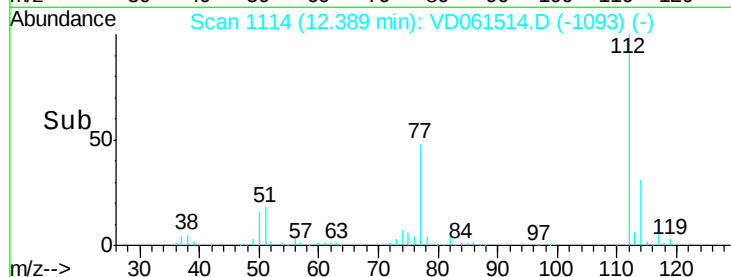
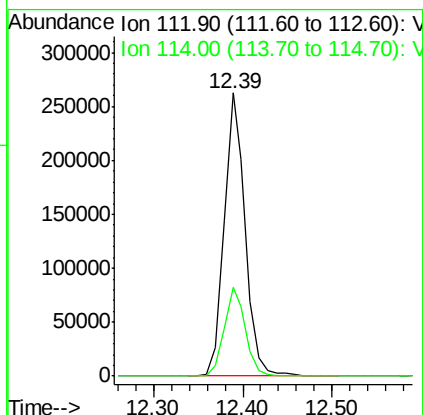
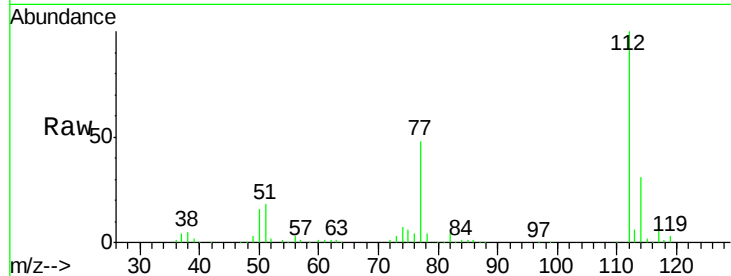




#65
Chlorobenzene
Concen: 22.980 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

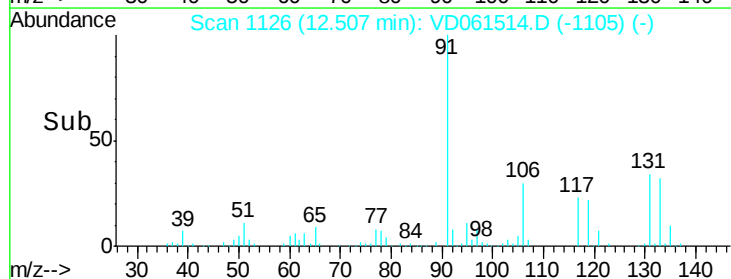
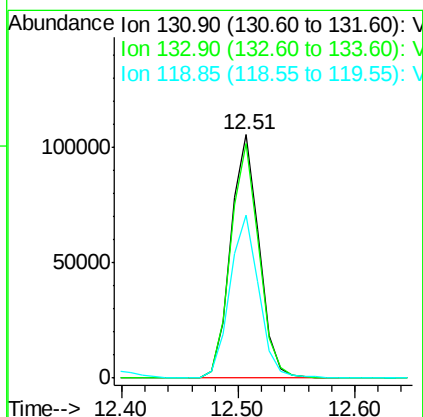
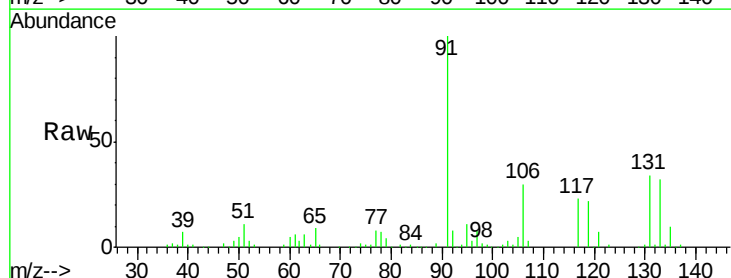
Instrument :
MSVOA_D
ClientSampled :

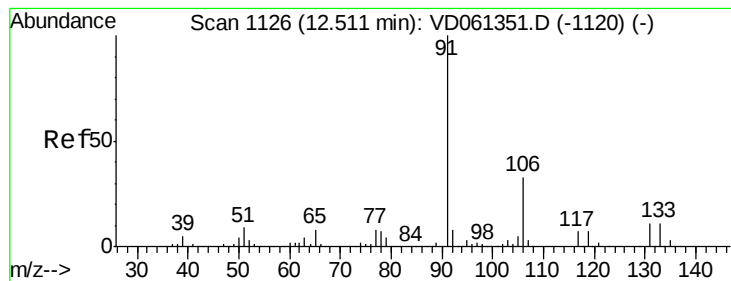
Tot Ion:112 Resp: 434282
Ion Ratio Lower Upper
112 100
114 31.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.239 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:131 Resp: 177358
Ion Ratio Lower Upper
131 100
133 96.2 49.4 148.2
119 66.8 34.1 102.2





#67

Ethyl Benzene

Concen: 25.221 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

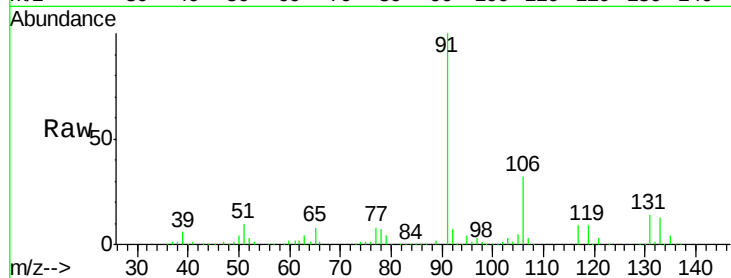
ClientSampled :

Tot Ion: 91 Resp: 727506

Ion Ratio Lower Upper

91 100

106 31.5 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

600000

500000

400000

300000

200000

100000

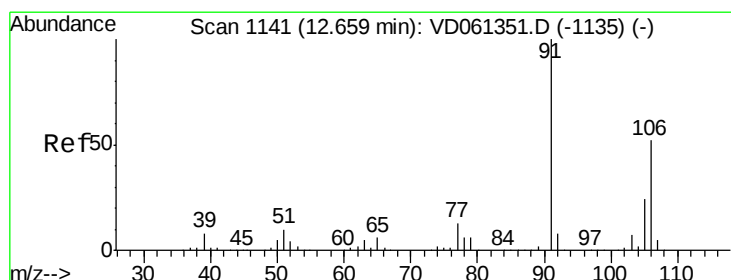
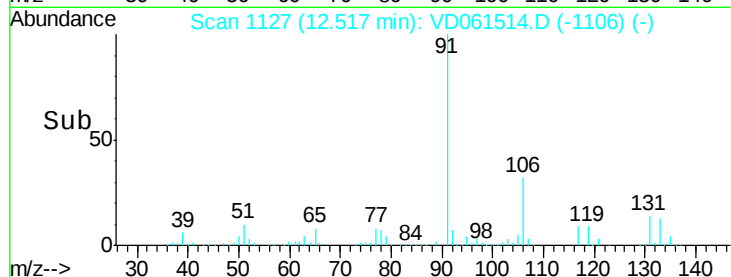
0

12.40

12.50

12.60

Time-->



#68

m/p-Xylenes

Concen: 51.134 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD061514.D

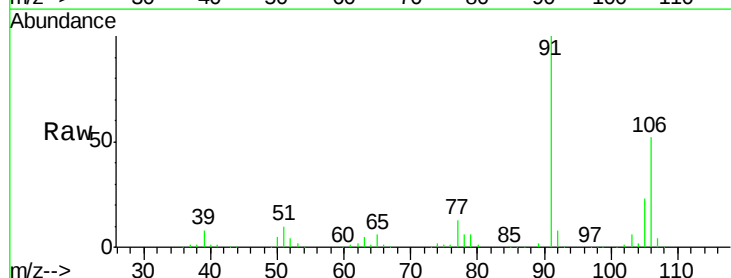
Acq: 2 Apr 2019 15:11

Tgt Ion:106 Resp: 558721

Ion Ratio Lower Upper

106 100

91 194.0 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

100000

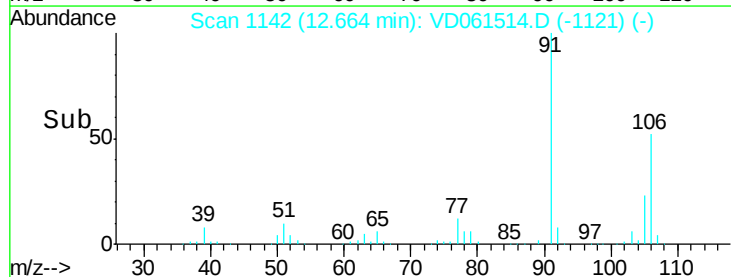
0

12.60

12.70

12.80

Time-->

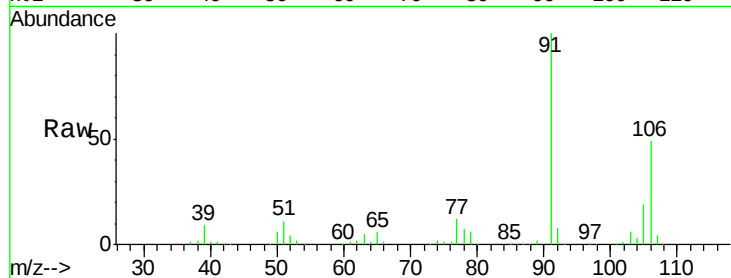




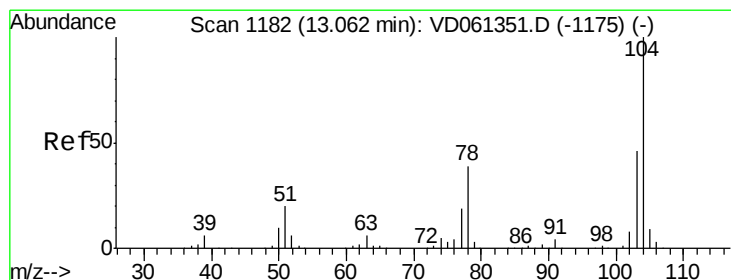
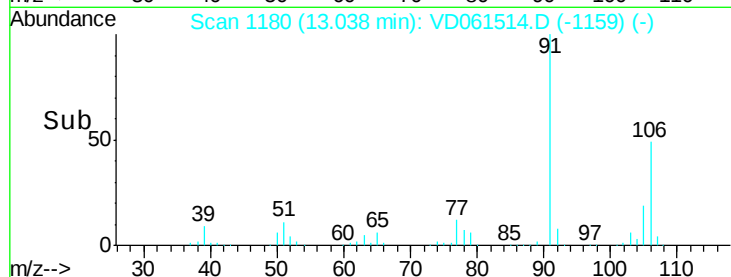
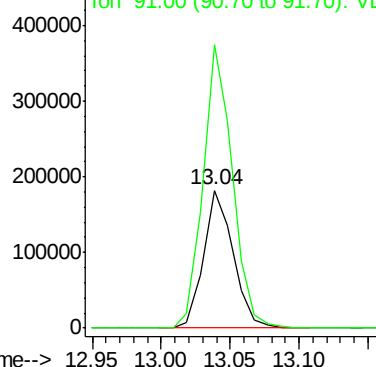
#69
o-Xylene
Concen: 25.624 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 271705
Ion Ratio Lower Upper
106 100
91 205.9 103.8 311.3

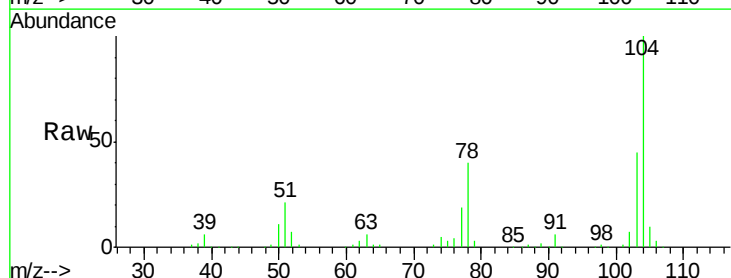


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

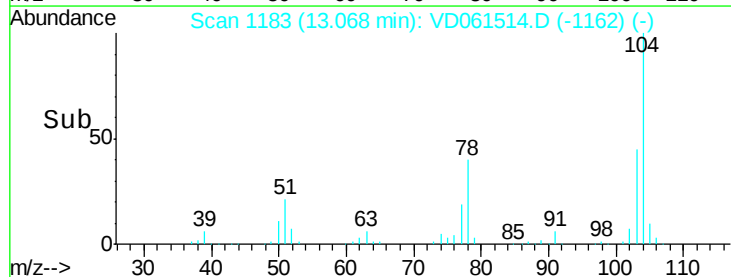
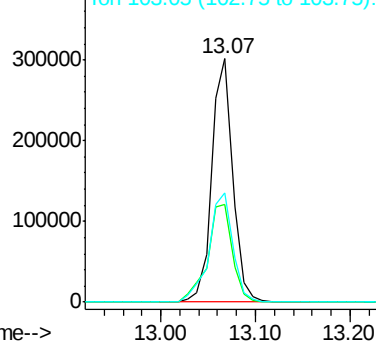


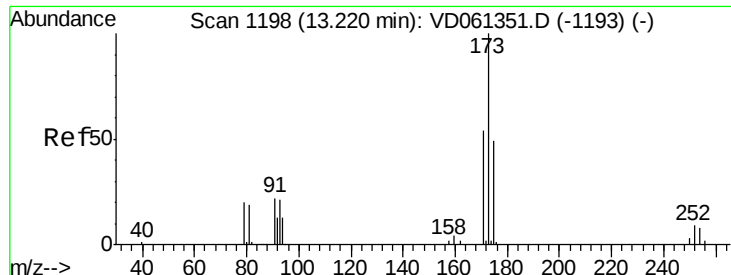
#70
Styrene
Concen: 24.973 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:104 Resp: 461601
Ion Ratio Lower Upper
104 100
78 40.1 31.0 46.6
103 45.0 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: 22.826 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

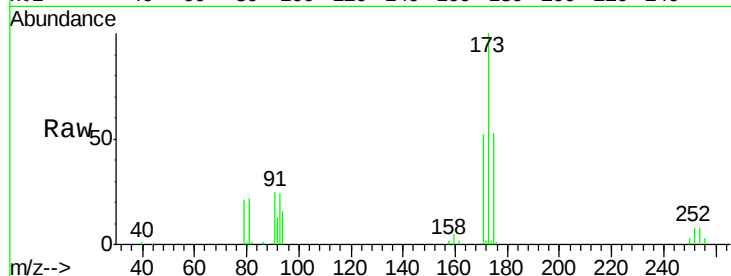
Tot Ion:173 Resp: 105877

Ion Ratio Lower Upper

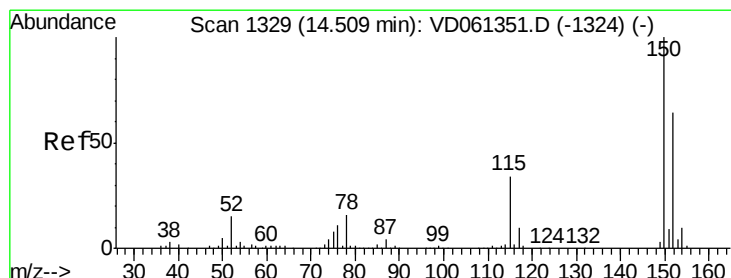
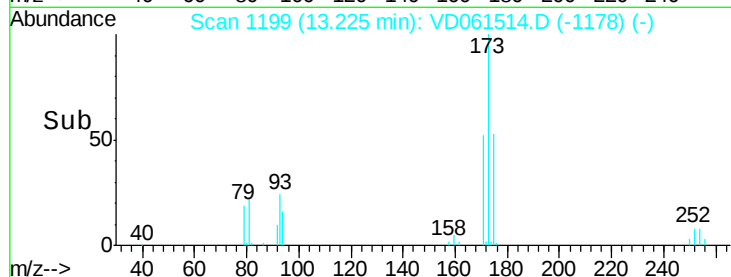
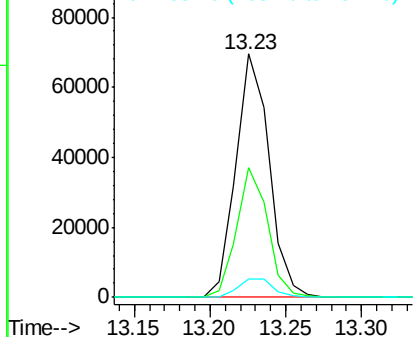
173 100

175 53.4 24.6 73.8

254 7.7 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: 14.51 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

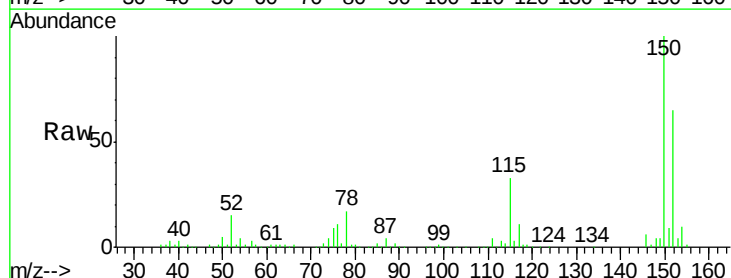
Tgt Ion:152 Resp: 413705

Ion Ratio Lower Upper

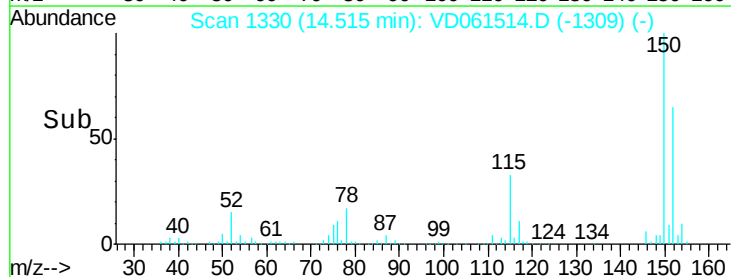
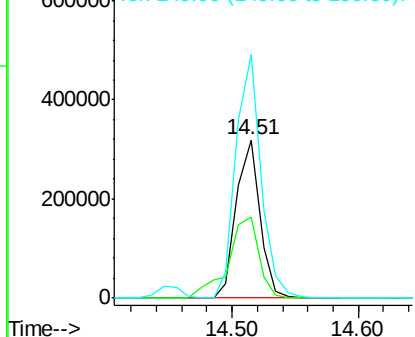
152 100

115 51.4 26.9 80.6

150 154.1 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: 23.816 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

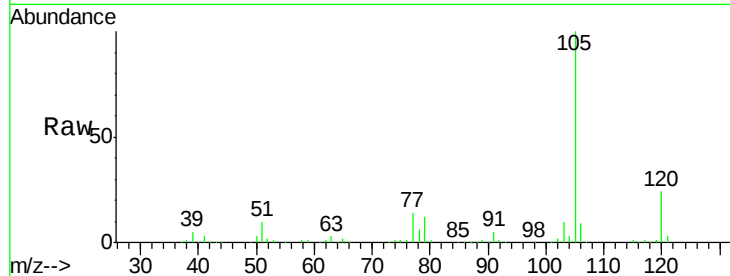
ClientSampleId :

Tot Ion:105 Resp: 685736

Ion Ratio Lower Upper

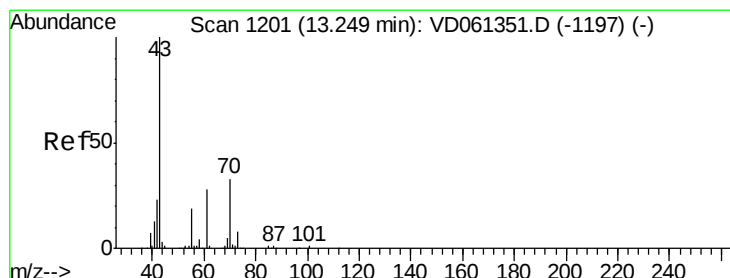
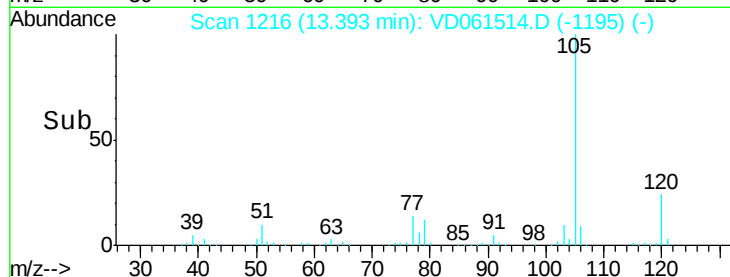
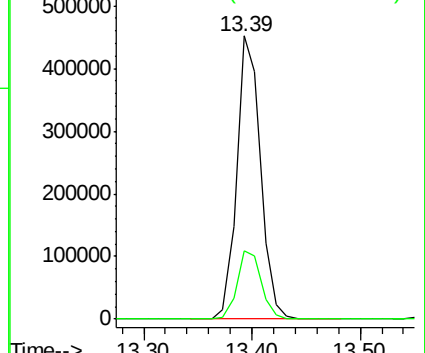
105 100

120 24.2 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 24.762 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Tgt Ion: 43 Resp: 198617

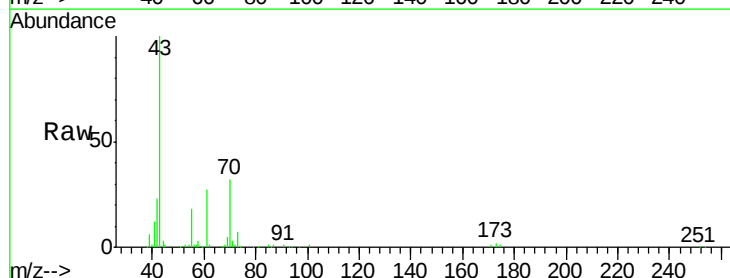
Ion Ratio Lower Upper

43 100

70 32.0 26.6 40.0

55 18.1 15.4 23.2

61 26.9 22.2 33.4

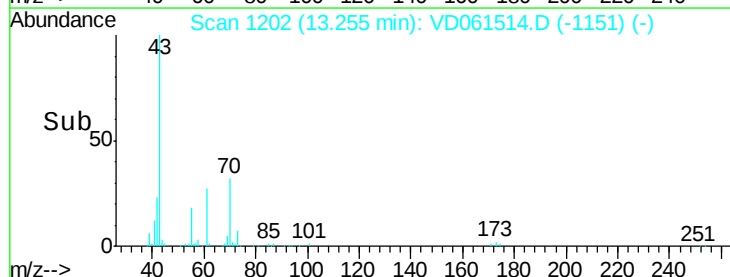
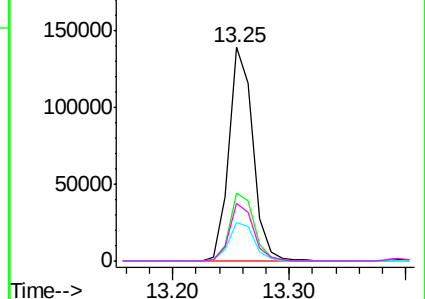


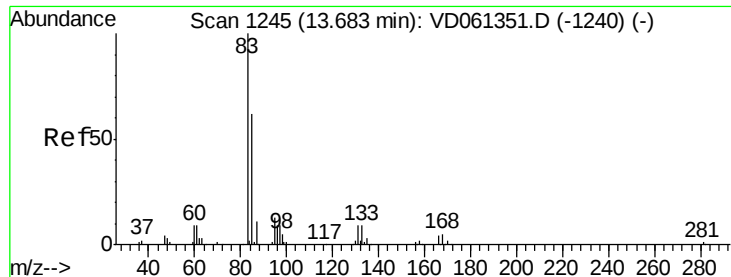
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.981 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampled :

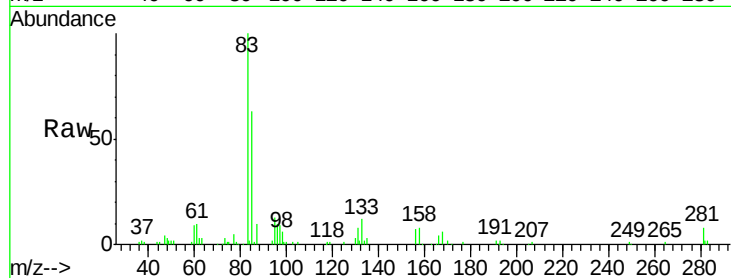
Tot Ion: 83 Resp: 133515

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	13.1
85	63.1	31.2	93.6

83 100

131 8.5 4.3 13.1

85 63.1 31.2 93.6



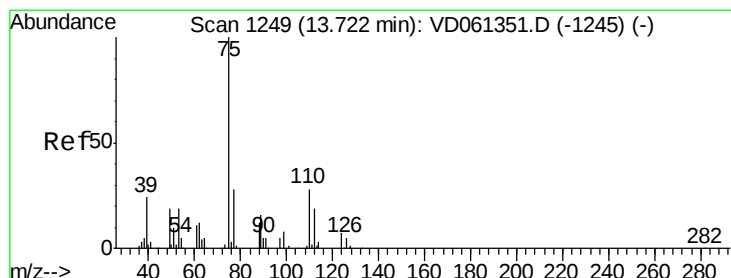
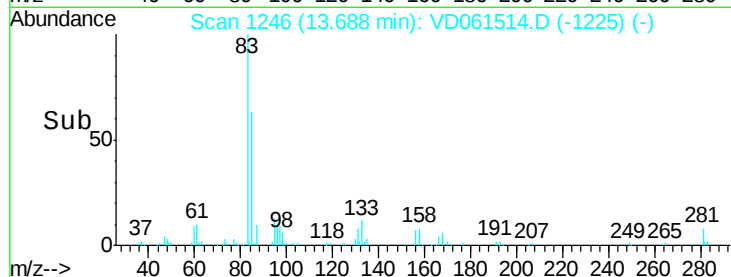
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.69

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 22.434 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061514.D

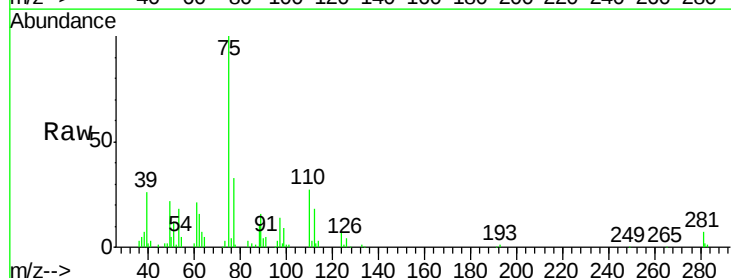
Acq: 2 Apr 2019 15:11

Tgt Ion: 75 Resp: 134069

Ion	Ratio	Lower	Upper
75	100		
77	33.0	16.2	48.5

75 100

77 33.0 16.2 48.5

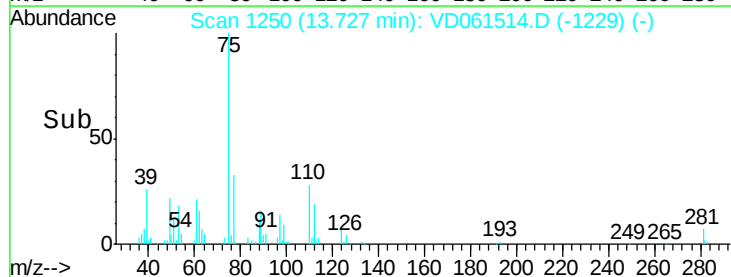


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.73

Time--> 13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 23.159 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061514.D

Acq: 2 Apr 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

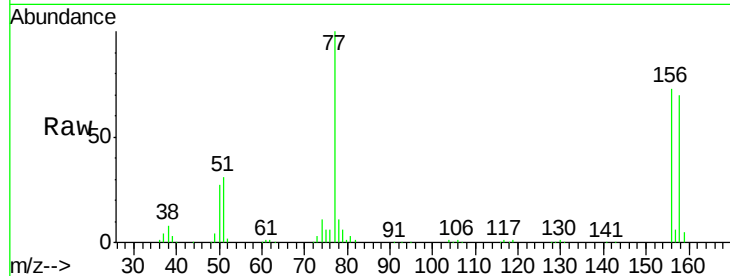
Tot Ion:156 Resp: 197683

Ion Ratio Lower Upper

156 100

77 136.8 68.5 205.6

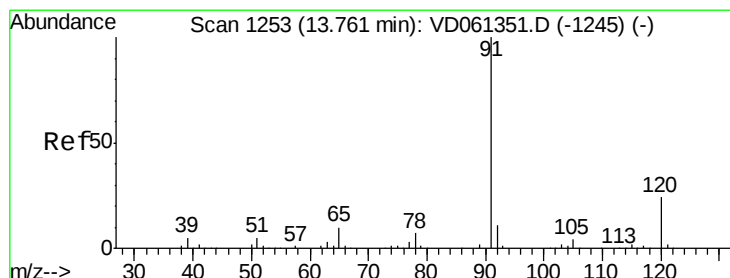
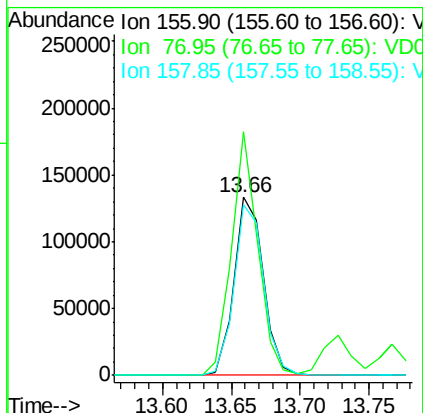
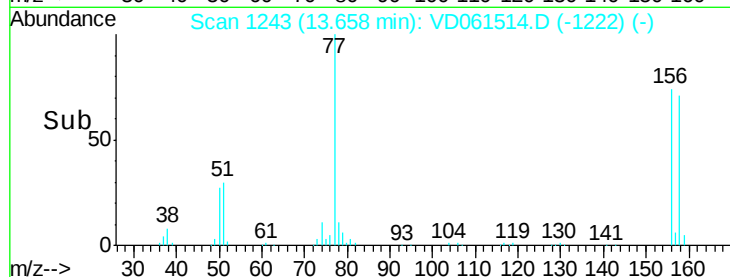
158 95.5 49.1 147.3



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: 23.798 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061514.D

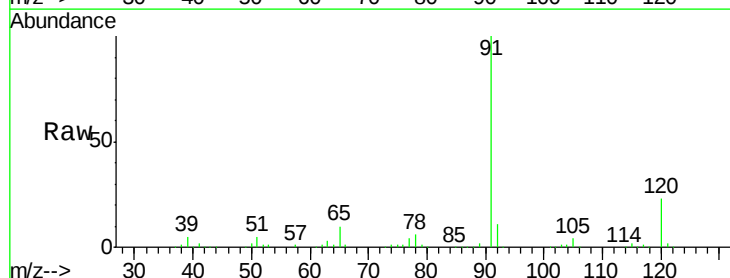
Acq: 2 Apr 2019 15:11

Tgt Ion: 91 Resp: 838543

Ion Ratio Lower Upper

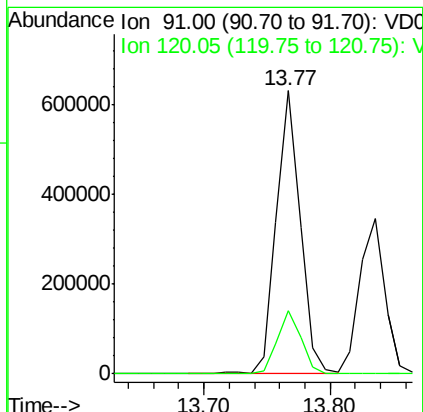
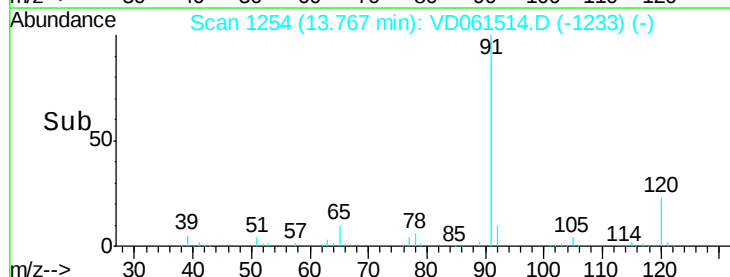
91 100

120 22.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

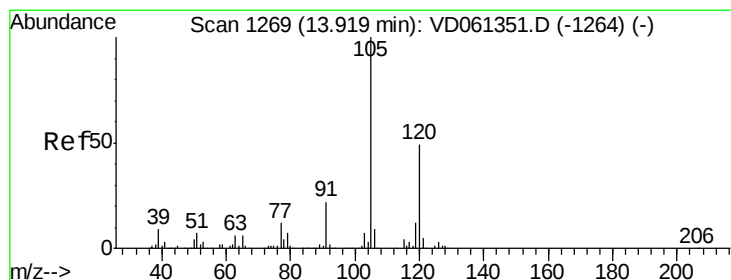
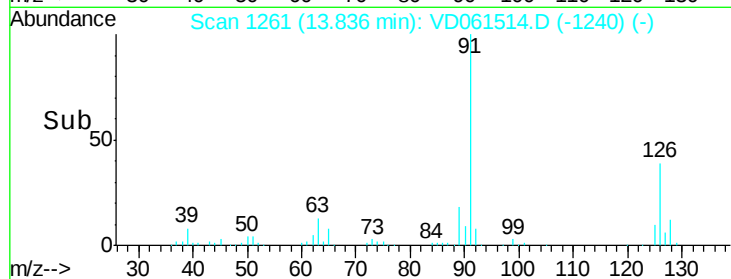
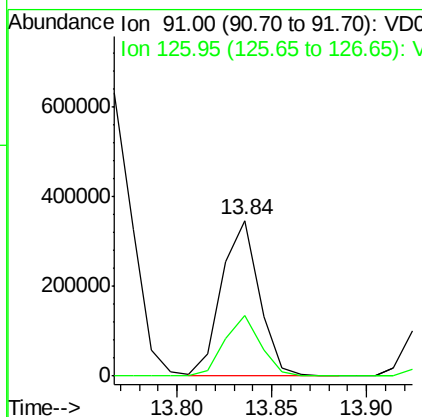
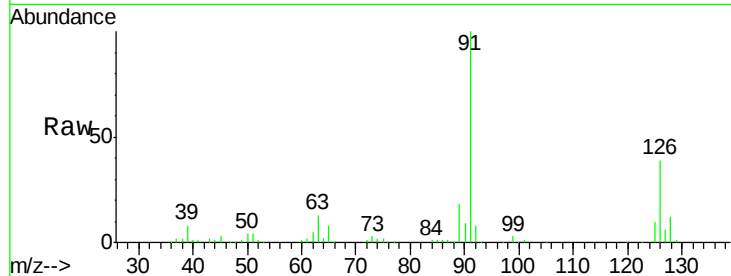




#79
 2-Chlorotoluene
 Concen: 24.880 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

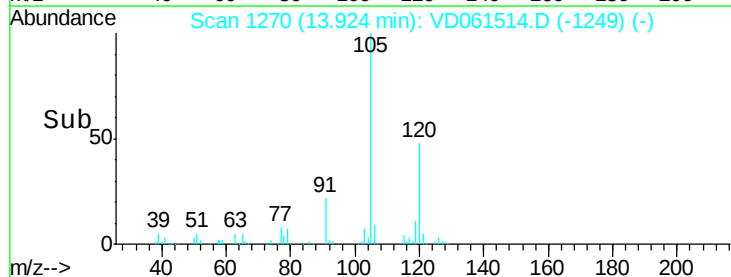
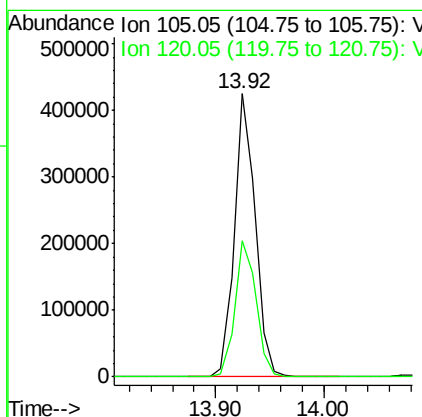
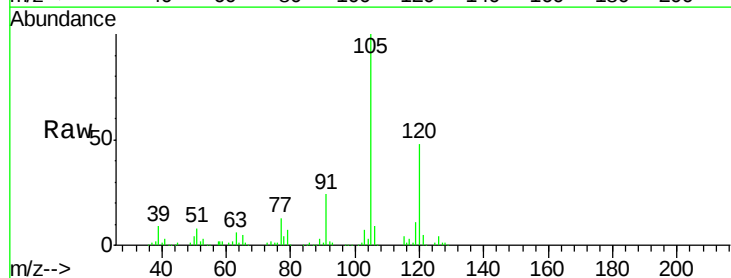
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 476027
 Ion Ratio Lower Upper
 91 100
 126 38.8 19.4 58.2



#80
 1,3,5-Trimethylbenzene
 Concen: 25.505 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion:105 Resp: 569789
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.6 73.6

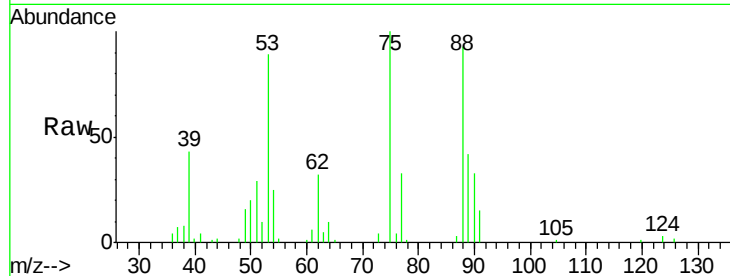




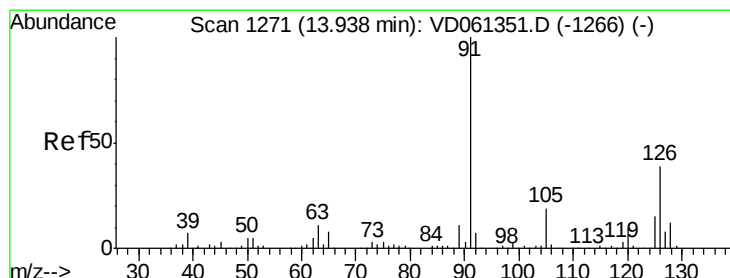
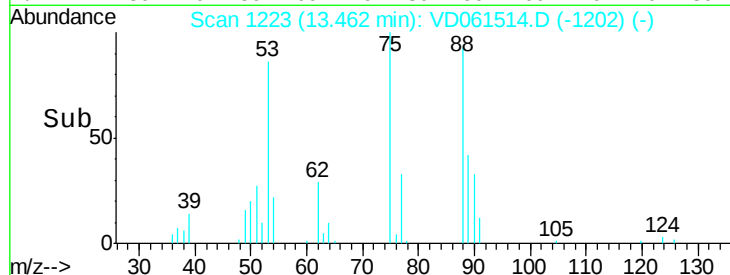
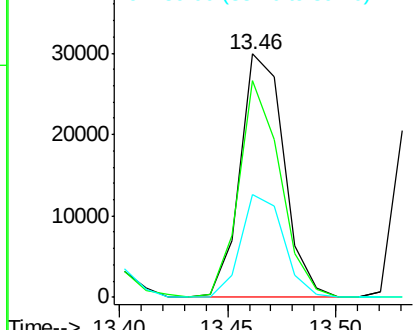
#81
trans-1,4-Dichloro-2-butene
Concen: 23.268 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 42397
Ion Ratio Lower Upper
75 100
53 89.1 63.8 95.8
89 42.3 30.5 45.7

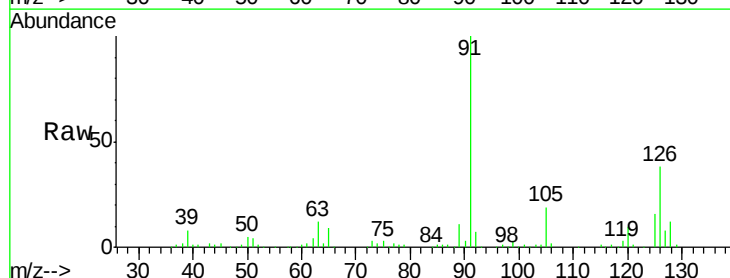


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

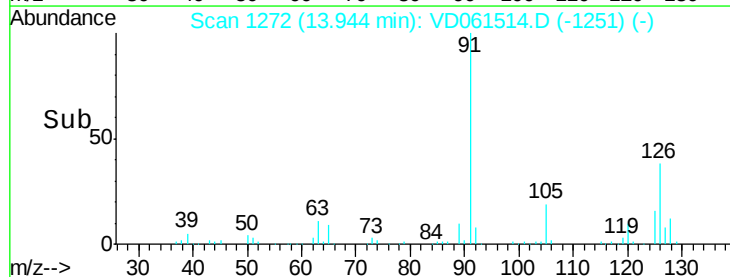
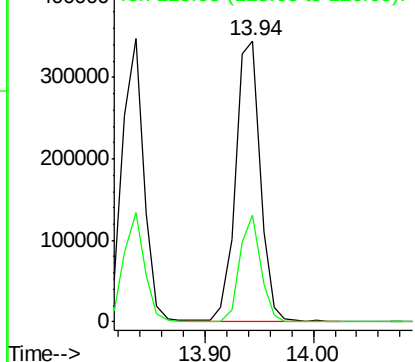


#82
4-Chlorotoluene
Concen: 26.297 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 91 Resp: 547059
Ion Ratio Lower Upper
91 100
126 38.1 19.6 58.8



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

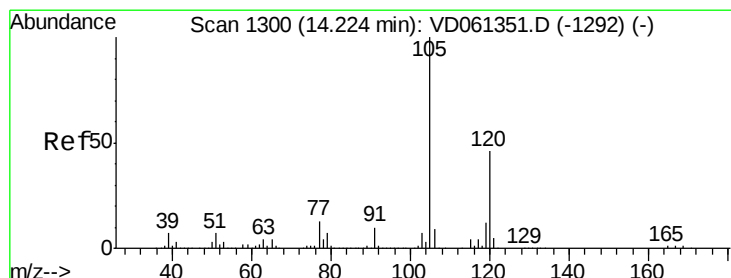
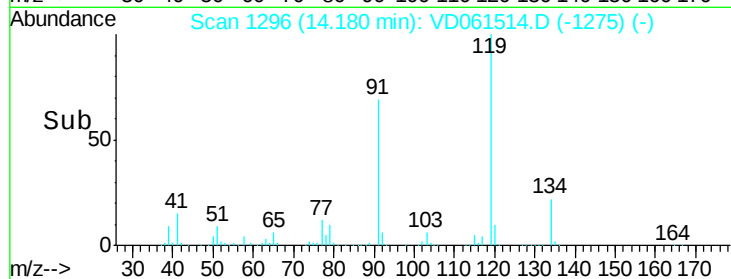
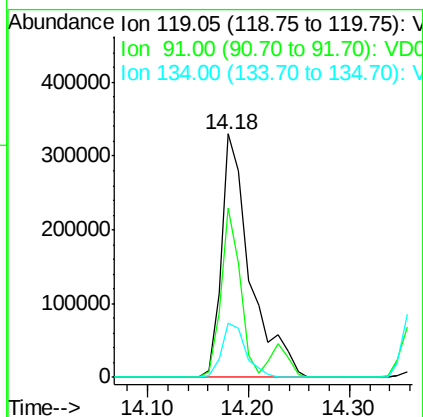
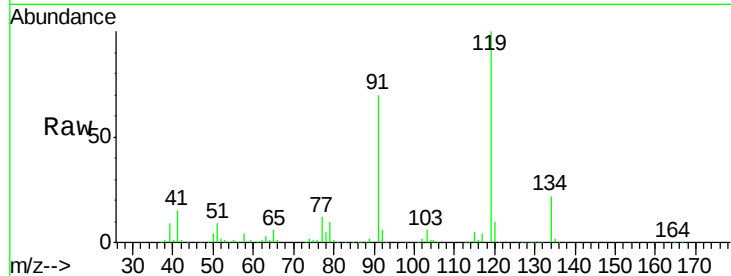




#83
tert-Butylbenzene
Concen: 23.503 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

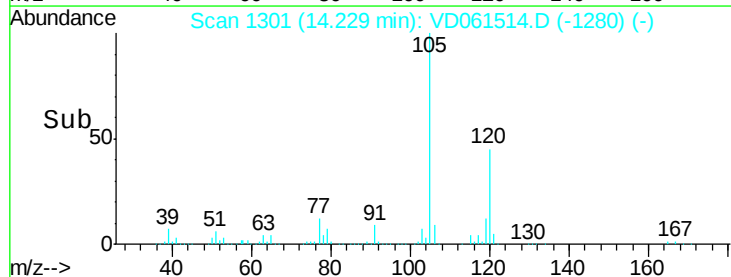
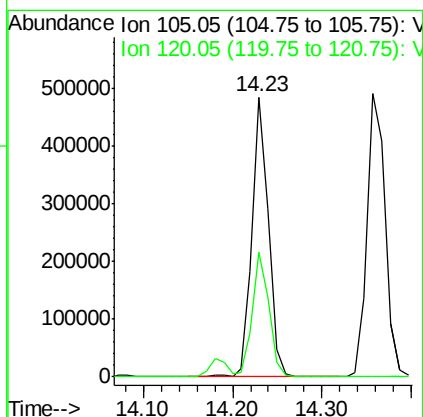
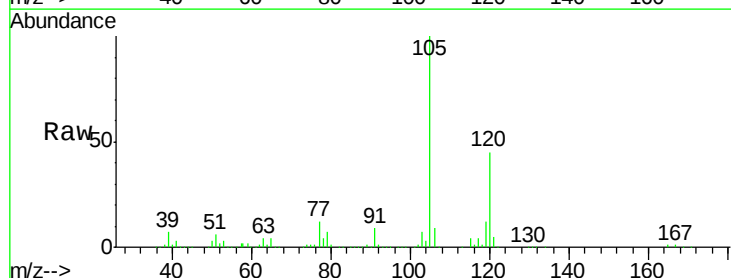
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 656182
Ion Ratio Lower Upper
119 100
91 69.8 34.1 102.3
134 22.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 25.325 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:105 Resp: 612524
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4

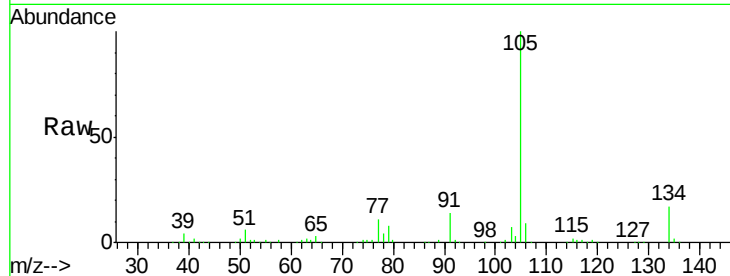




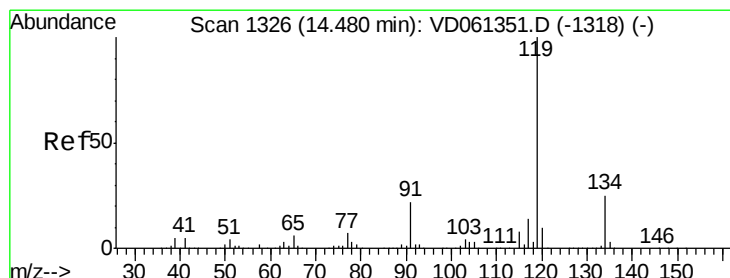
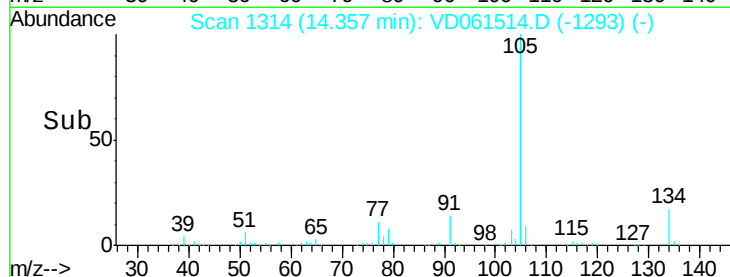
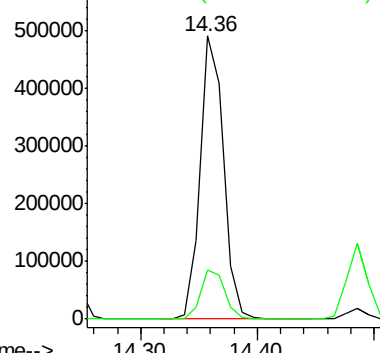
#85
 sec-Butylbenzene
 Concen: 23.042 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 683437
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.7 26.1

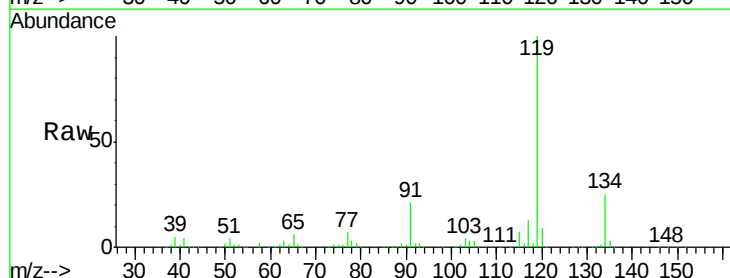


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

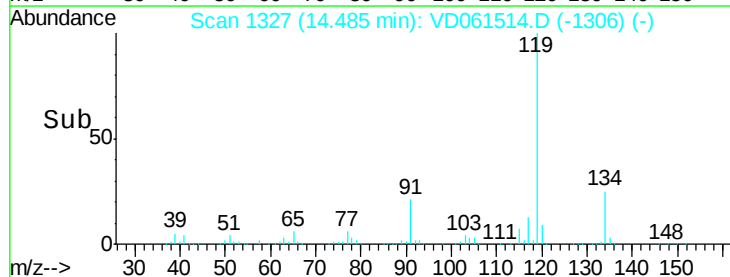
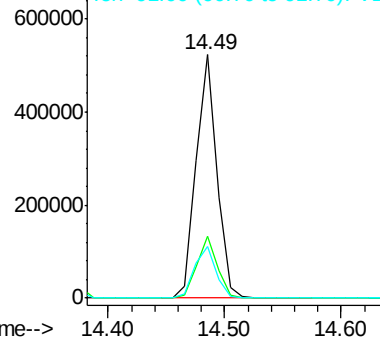


#86
 p-Isopropyltoluene
 Concen: 25.769 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion:119 Resp: 646291
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.3 36.8
 91 21.3 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

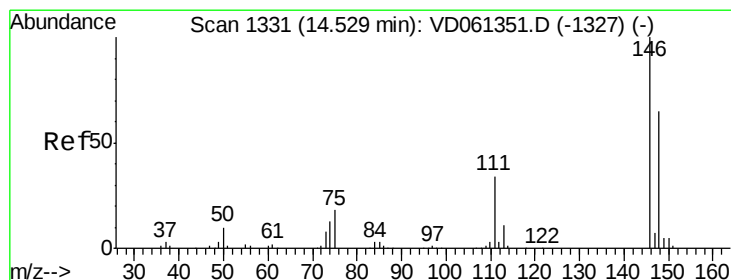
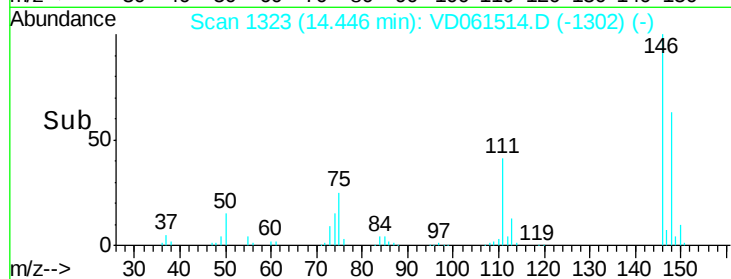
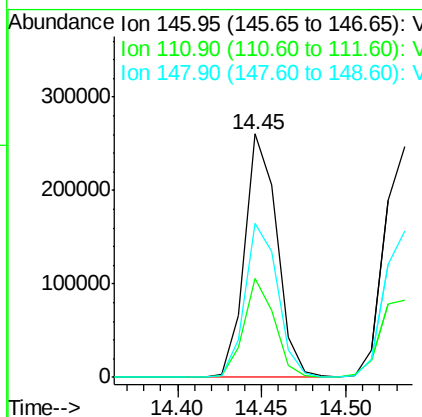
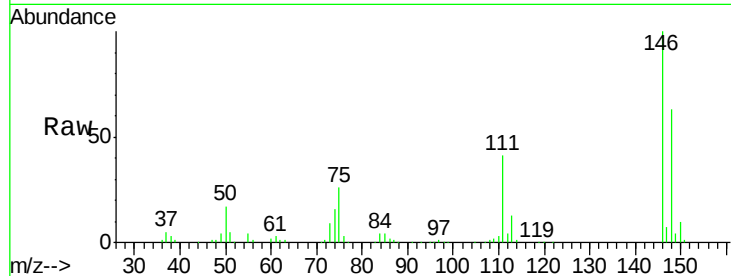




#87
 1,3-Dichlorobenzene
 Concen: 23.998 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

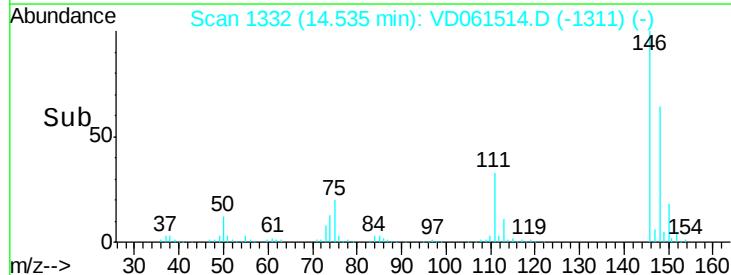
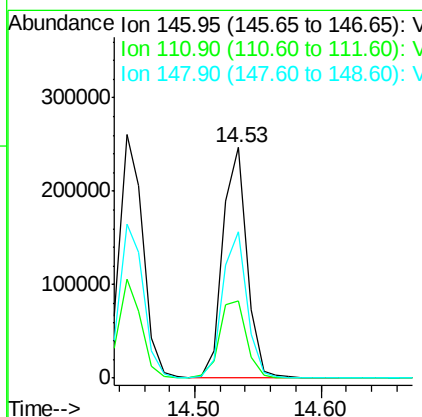
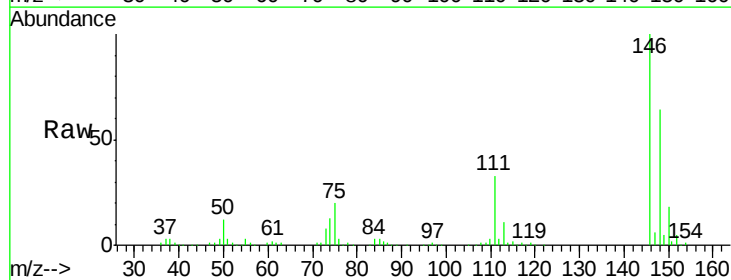
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 346893
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.6 61.9
 148 63.4 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 23.229 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion:146 Resp: 327446
 Ion Ratio Lower Upper
 146 100
 111 33.4 16.8 50.4
 148 63.5 32.6 98.0

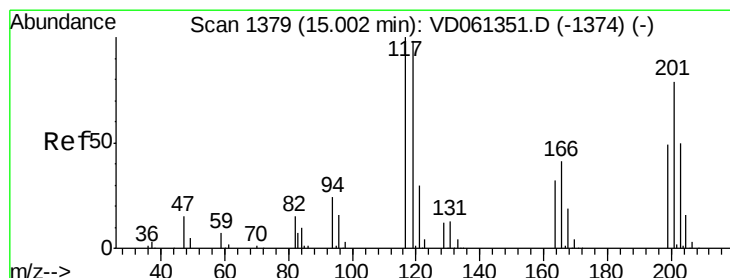
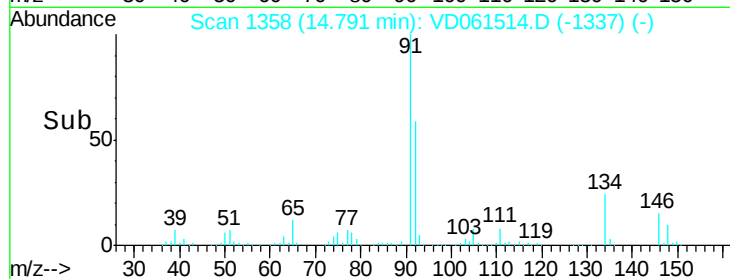
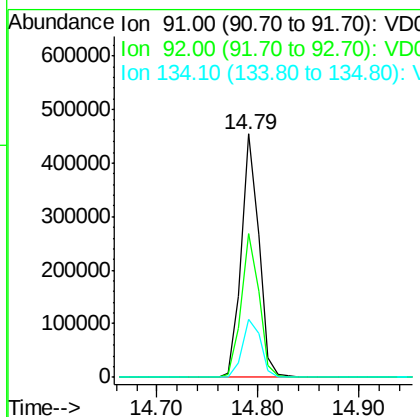
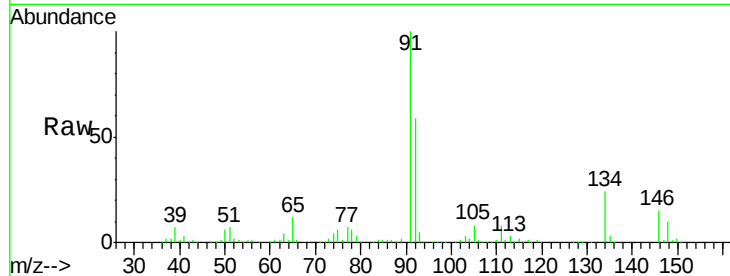




#89
n-Butylbenzene
Concen: 23.941 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

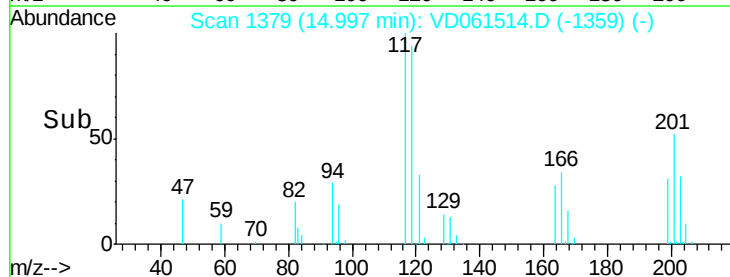
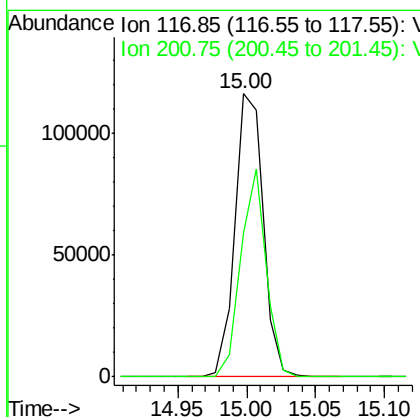
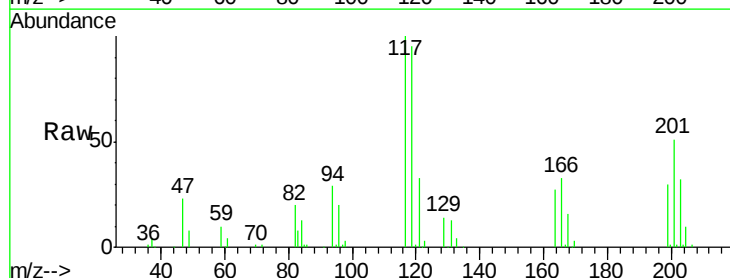
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 551110
Ion Ratio Lower Upper
91 100
92 59.0 30.3 91.0
134 23.8 12.4 37.0



#90
Hexachloroethane
Concen: 23.540 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion: 117 Resp: 166794
Ion Ratio Lower Upper
117 100
201 51.0 39.6 119.0

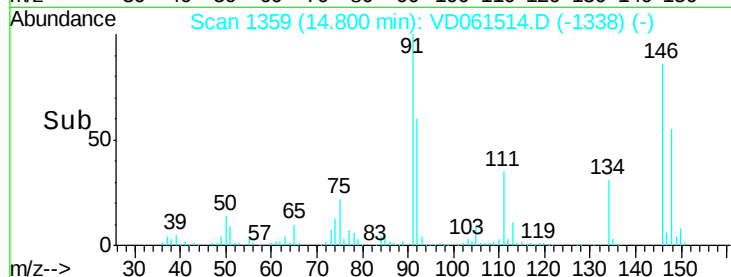
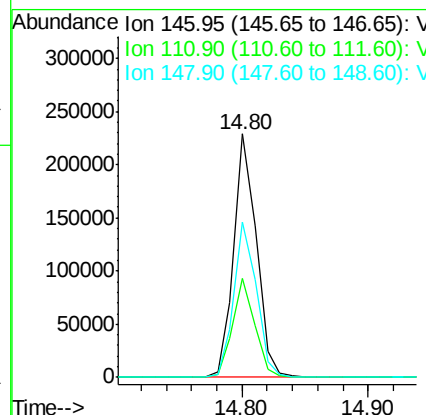
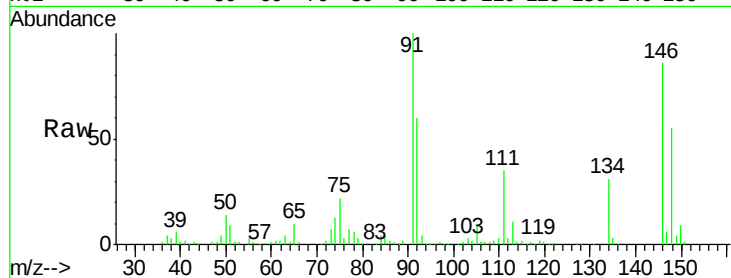




#91
 1,2-Dichlorobenzene
 Concen: 23.789 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

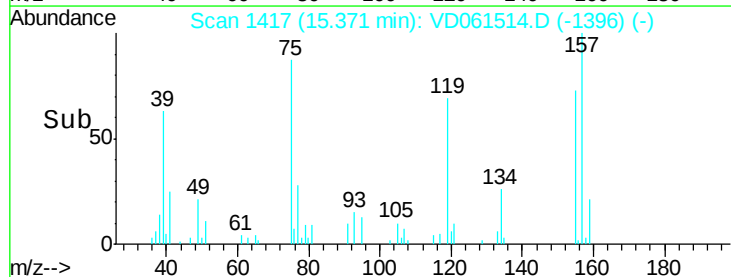
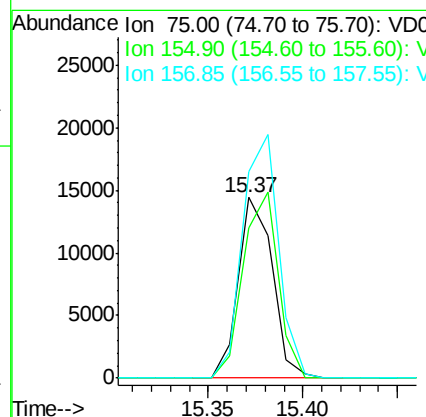
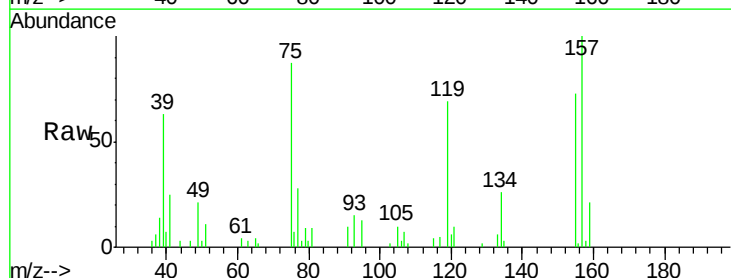
Instrument :
 MSVOA_D
 ClientSampleId :

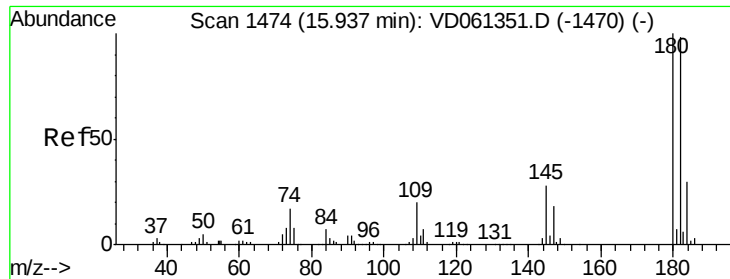
Tot Ion:146 Resp: 282056
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.2 63.6
 148 63.8 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.166 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion: 75 Resp: 17928
 Ion Ratio Lower Upper
 75 100
 155 83.3 43.6 130.9
 157 114.3 58.5 175.3

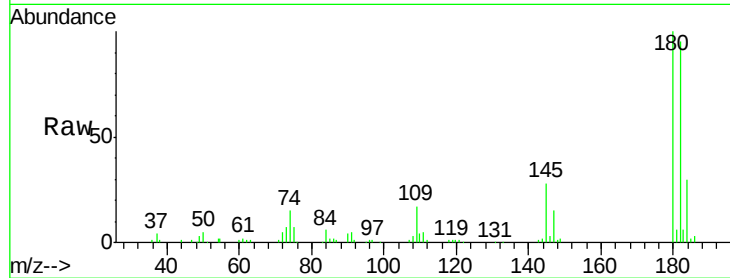




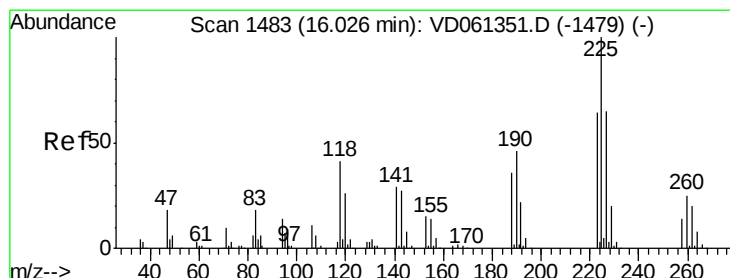
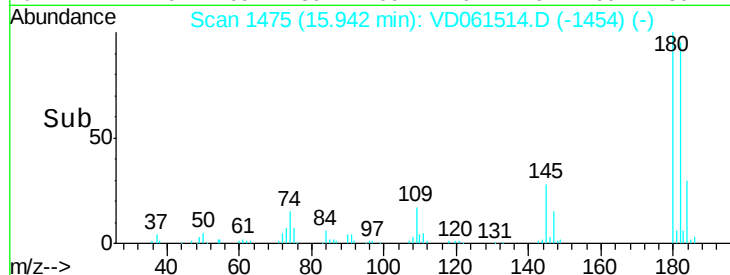
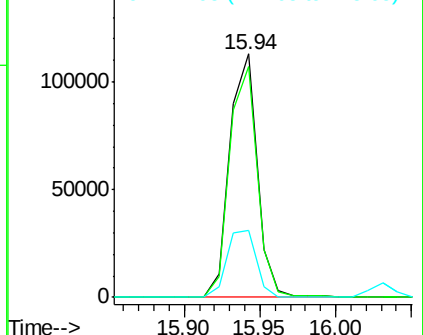
#93
 1,2,4-Trichlorobenzene
 Concen: 26.373 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 142444
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.9 146.8
 145 27.6 14.1 42.3

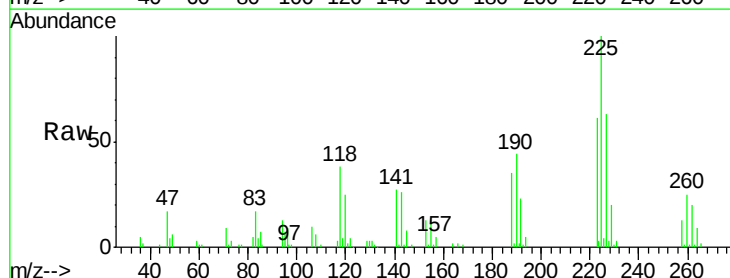


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

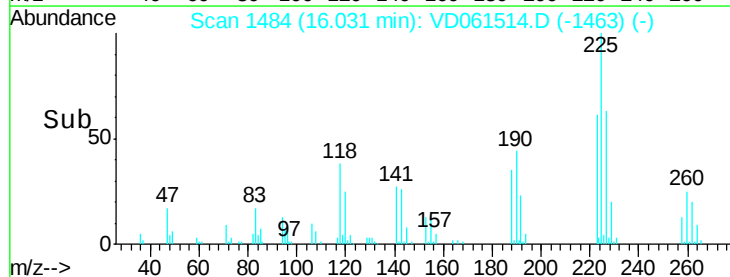
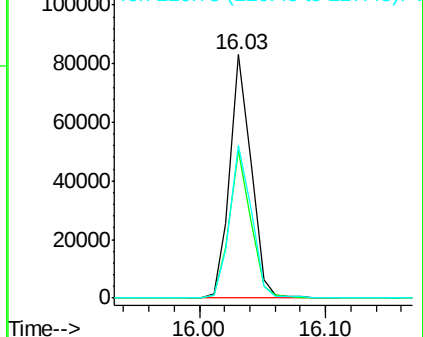


#94
 Hexachlorobutadiene
 Concen: 23.116 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Tgt Ion:225 Resp: 97563
 Ion Ratio Lower Upper
 225 100
 223 60.8 32.0 96.0
 227 62.6 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

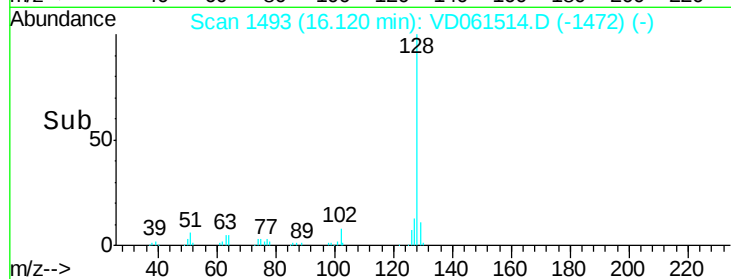
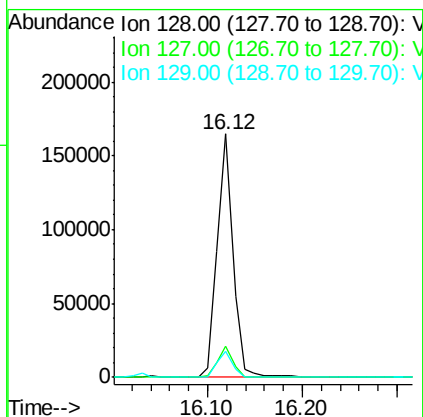
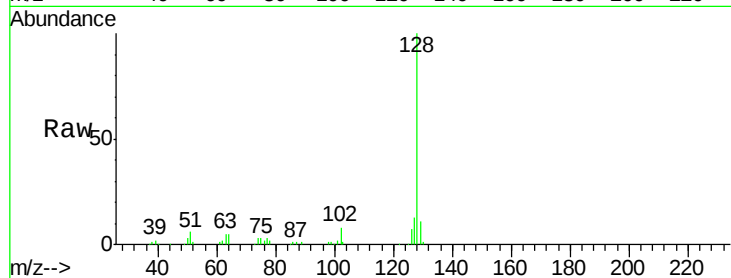




#95
Naphthalene
Concen: 23.263 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 191518
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 27.119 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Tgt Ion:180 Resp: 64455
Ion Ratio Lower Upper
180 100
182 93.0 46.4 139.1
145 29.1 15.3 45.9

