

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 :
 VD0402SBS01

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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 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

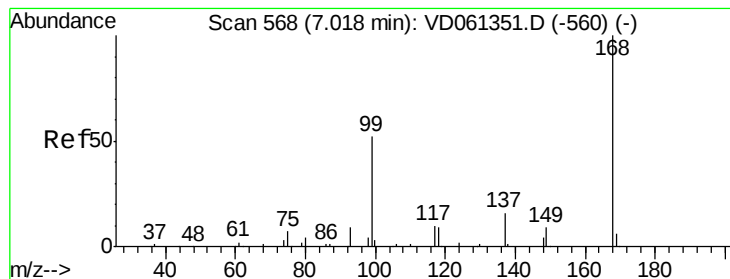
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	142444	26.373	ug/l	97
94) Hexachlorobutadiene	16.03	225	97563	23.116	ug/l	97
95) Naphthalene	16.12	128	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 :

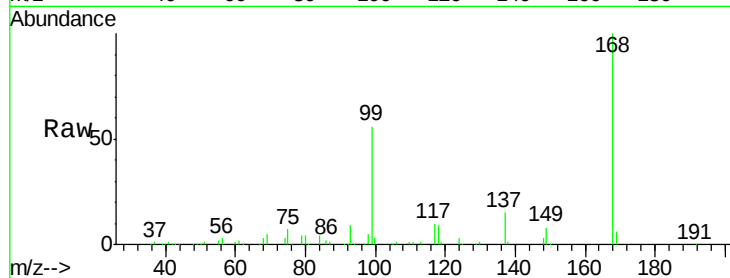
VD0402SBS01

Tot Ion:168 Resp: 694281

Ion Ratio Lower Upper

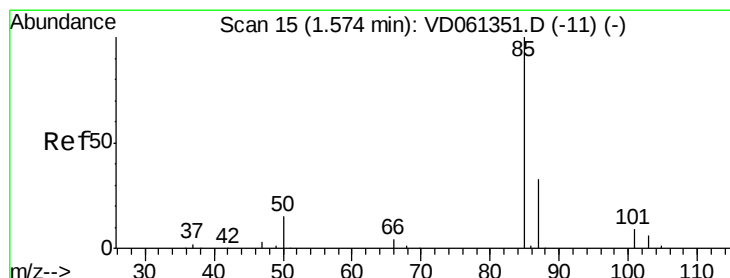
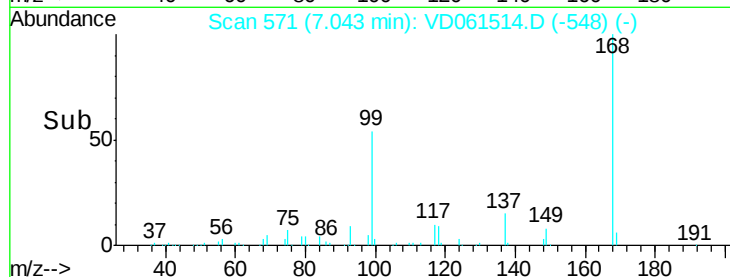
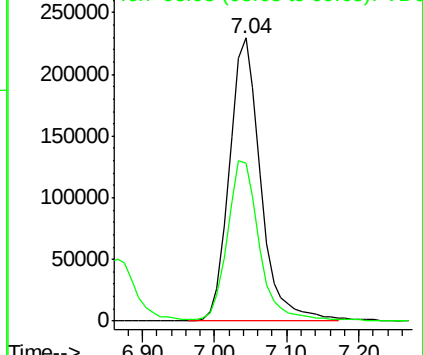
168 100

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

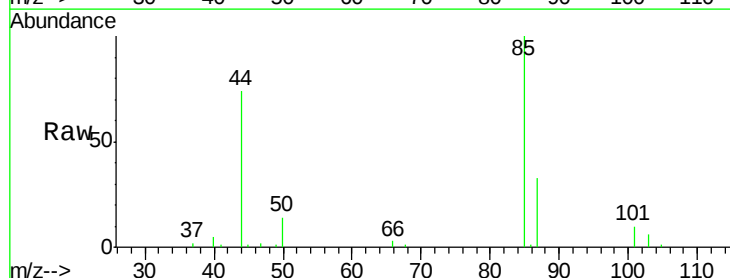
Acq: 2 Apr 2019 15:11

Tgt Ion: 85 Resp: 164366

Ion Ratio Lower Upper

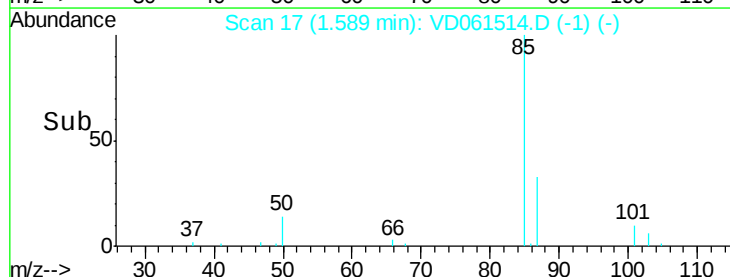
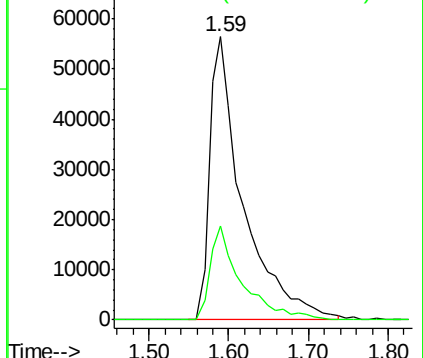
85 100

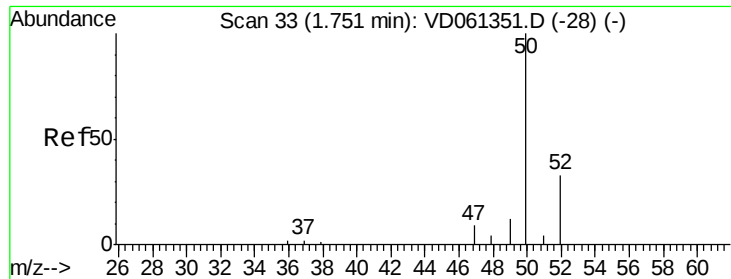
87 33.3 16.6 49.7



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 :

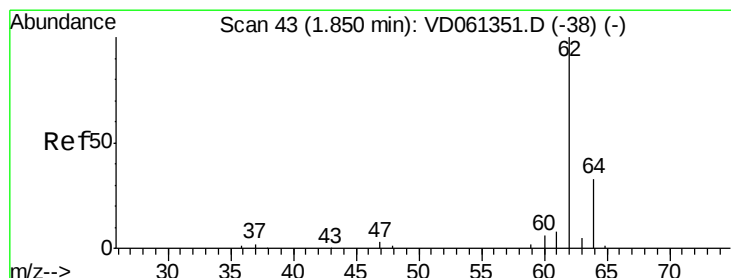
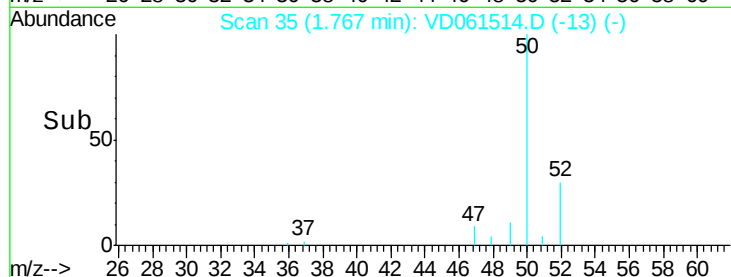
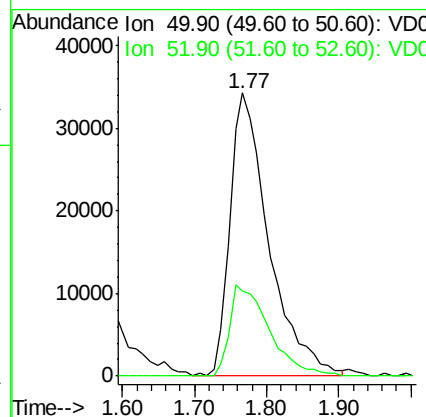
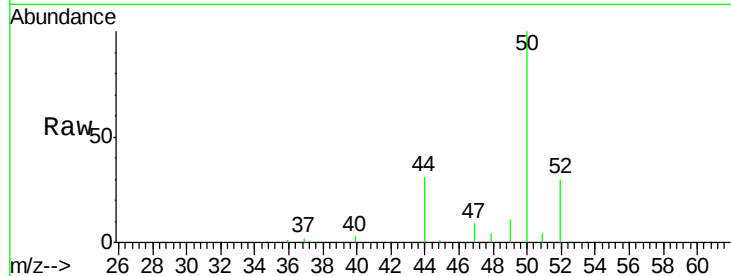
VD0402SBS01

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

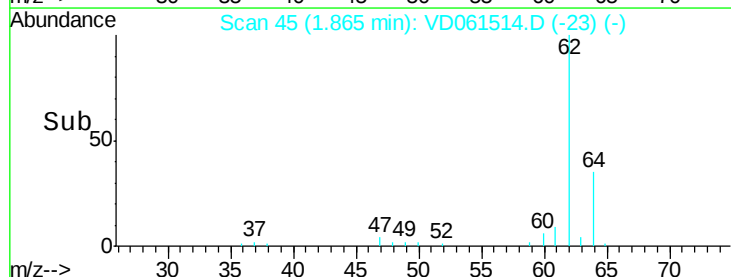
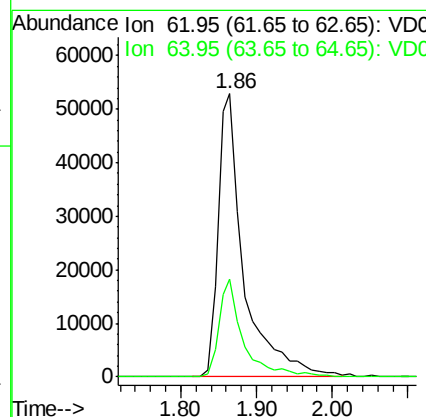
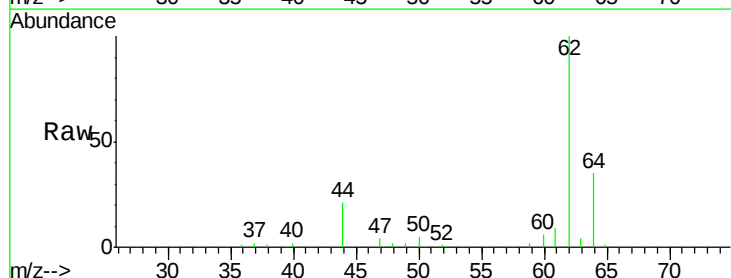
Acq: 2 Apr 2019 15:11

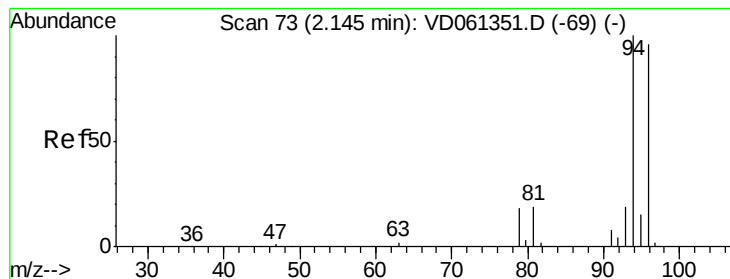
Tgt Ion: 62 Resp: 125954

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

ClientSampleId :

VD0402SBS01

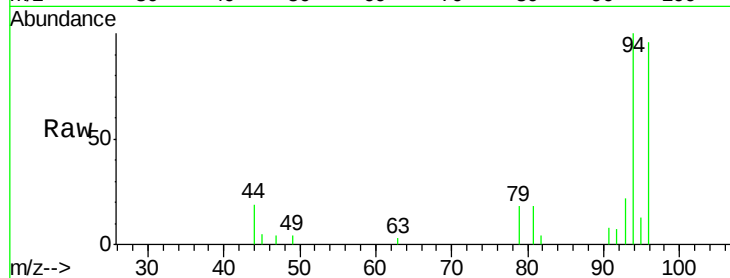
Tot Ion: 94 Resp: 20282

Ion Ratio Lower Upper

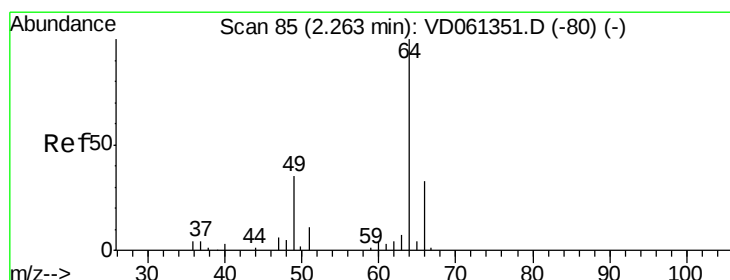
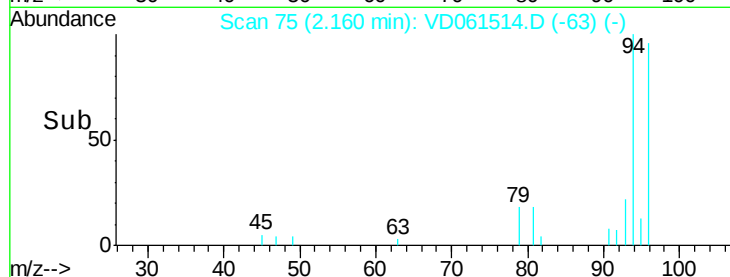
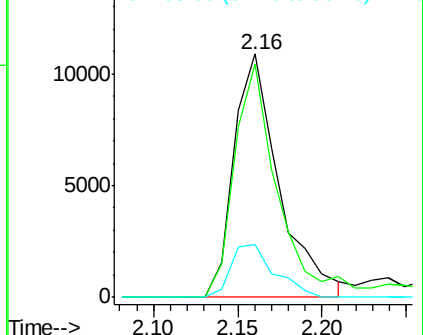
94 100

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

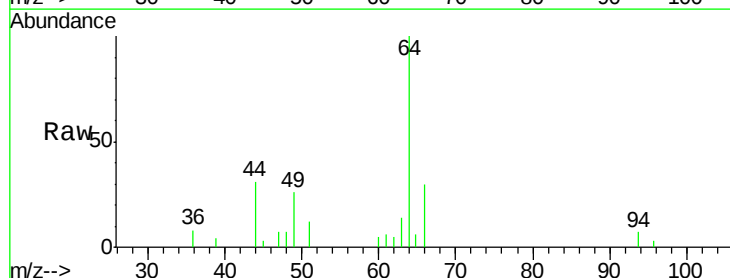
Acq: 2 Apr 2019 15:11

Tgt Ion: 64 Resp: 28785

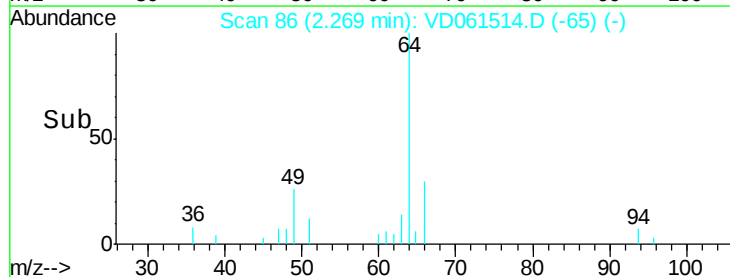
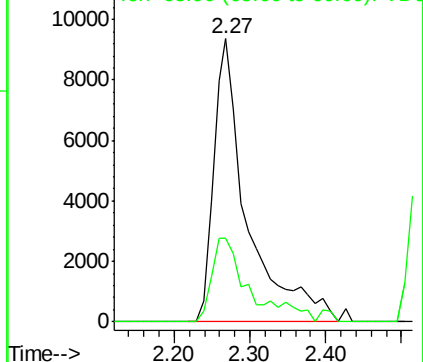
Ion Ratio Lower Upper

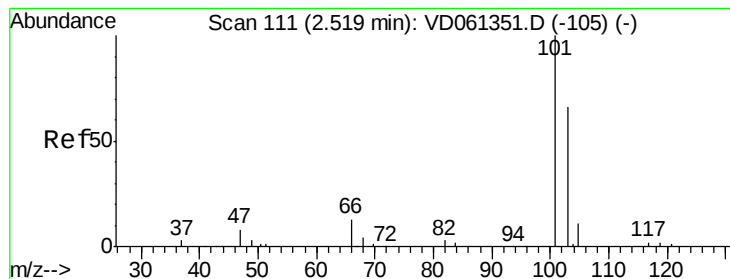
64 100

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



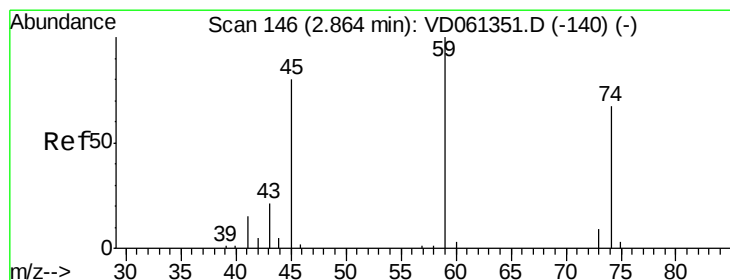
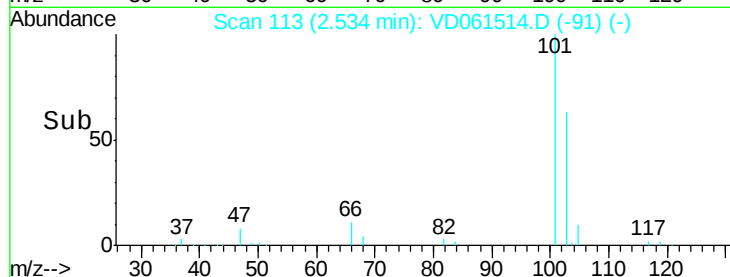
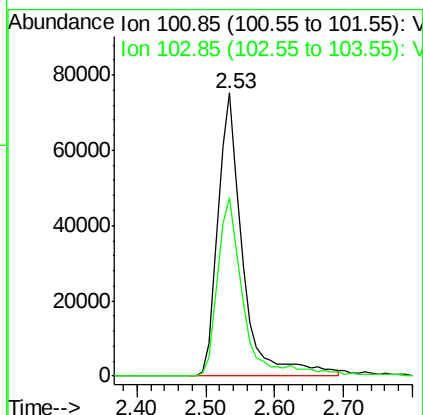
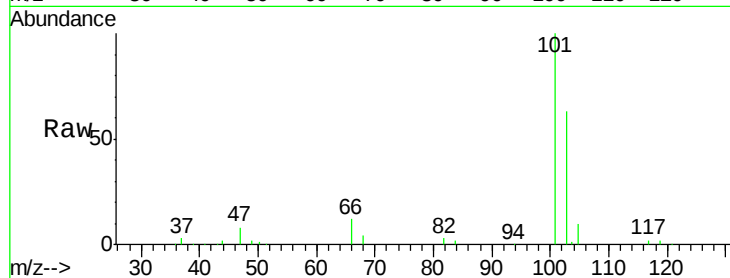


#7

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 :
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VD0402SBS01

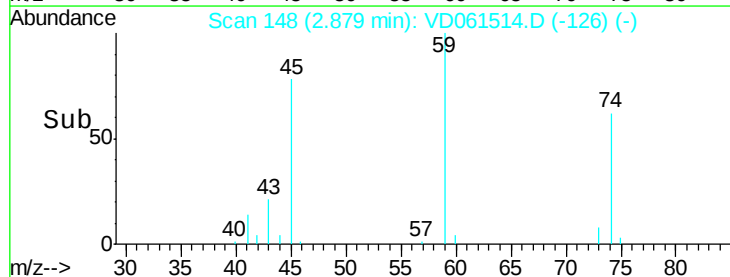
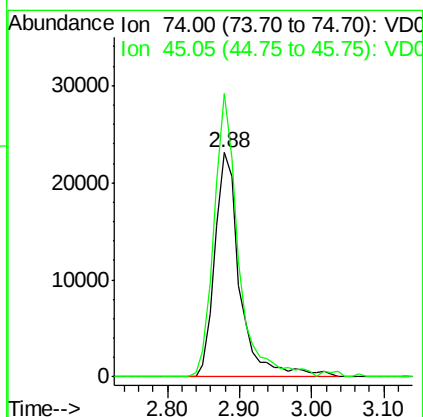
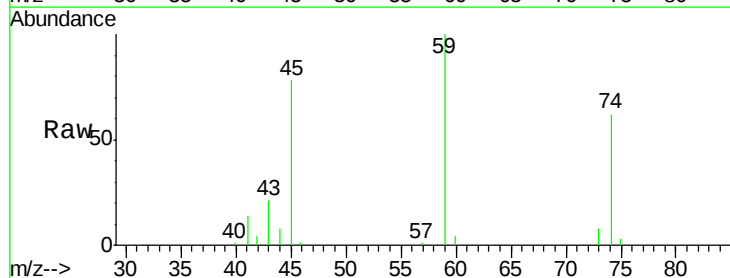
Tot Ion:101 Resp: 186972
Ion Ratio Lower Upper
101 100
103 63.2 53.1 79.7



#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

ClientSampleId :

VD0402SBS01

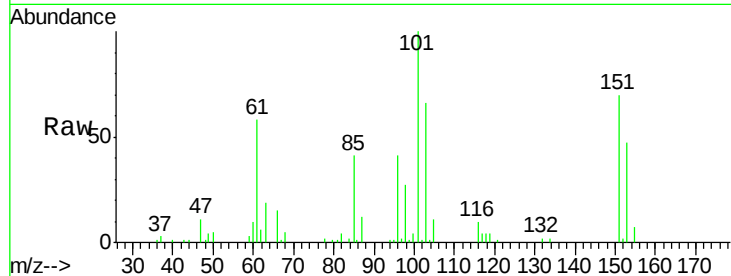
Tot Ion:101 Resp: 201118

Ion Ratio Lower Upper

101 100

85 40.9 29.4 44.0

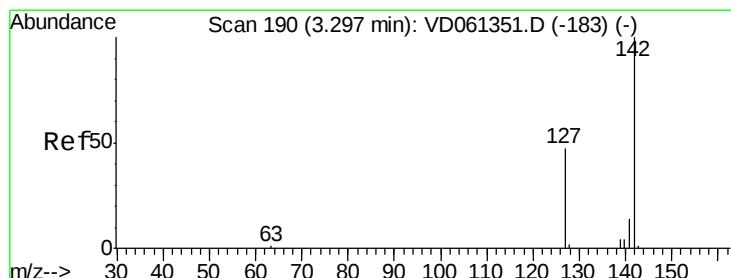
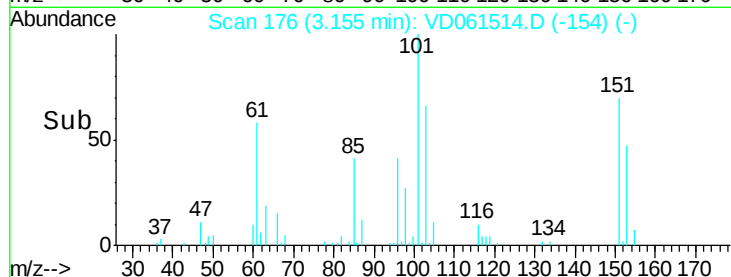
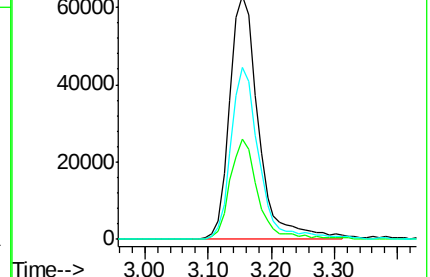
151 70.4 57.0 85.4



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

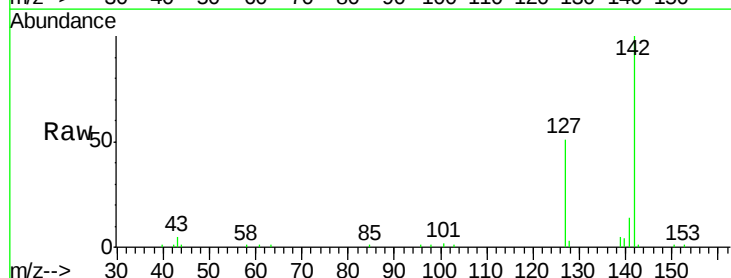
Tgt Ion:142 Resp: 213869

Ion Ratio Lower Upper

142 100

127 50.7 37.7 56.5

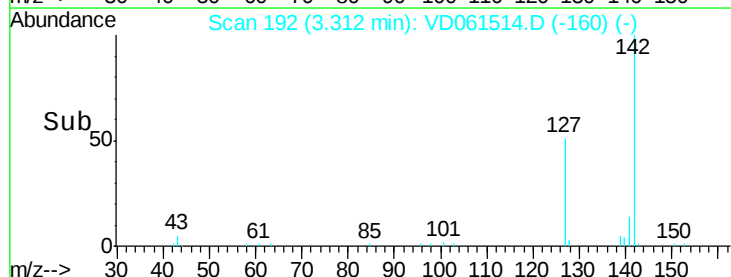
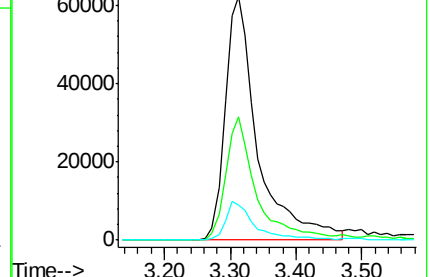
141 14.4 11.5 17.3

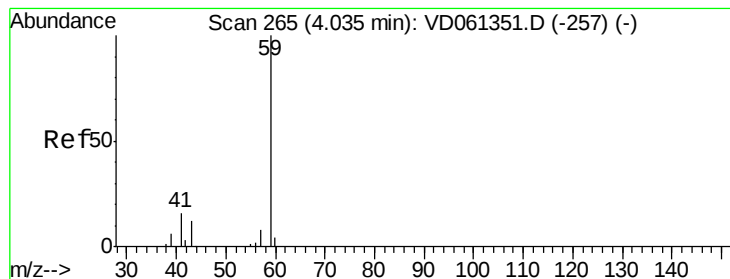


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



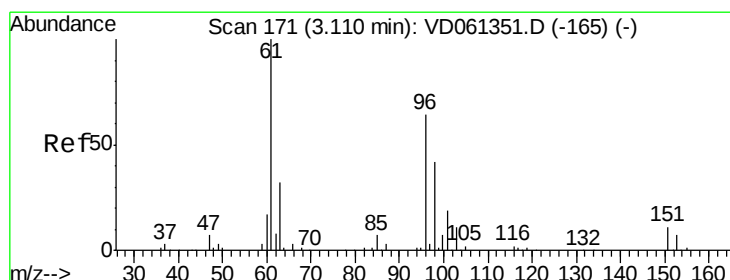
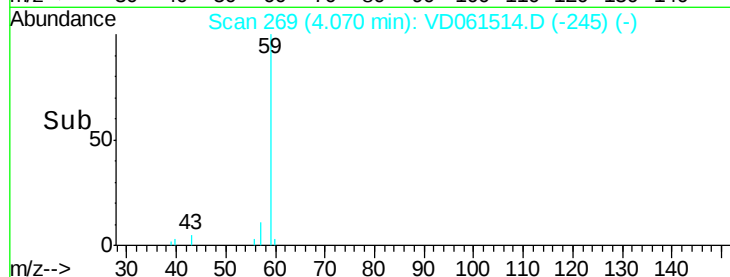
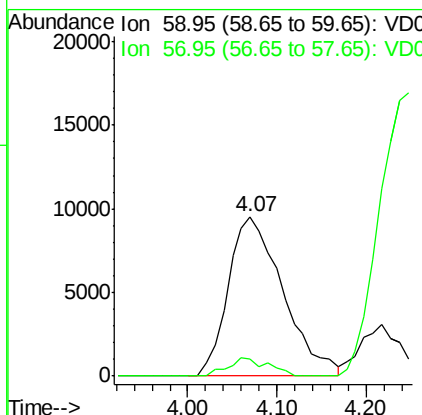
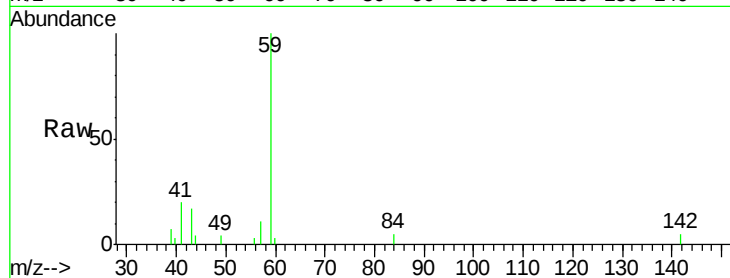


#11

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 :
VD0402SBS01

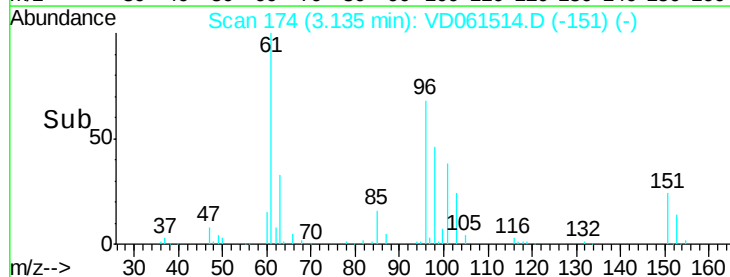
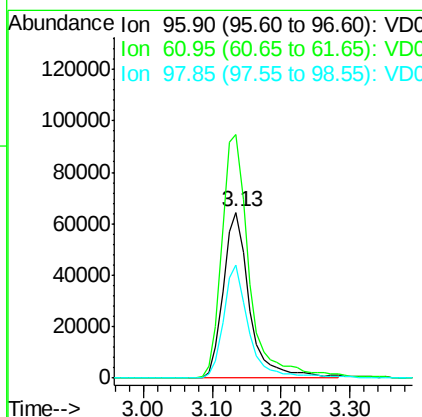
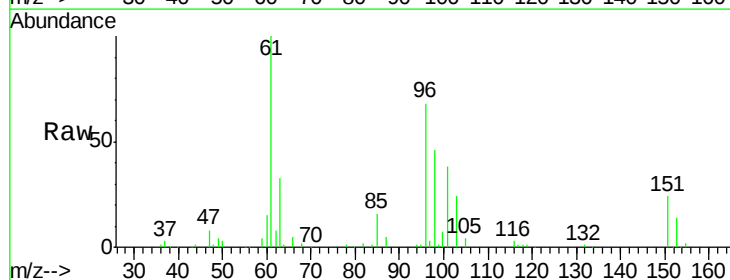
Tot Ion: 59 Resp: 40707
Ion Ratio Lower Upper
59 100
57 10.9 6.7 10.1#

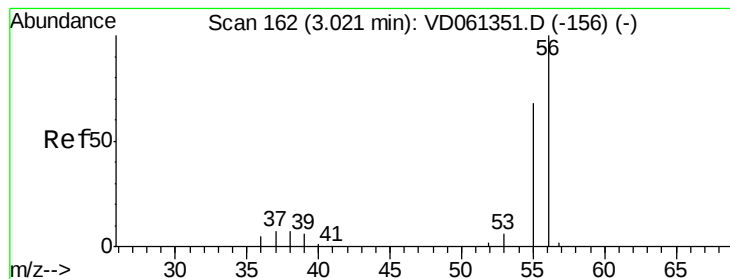


#12

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





#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 :

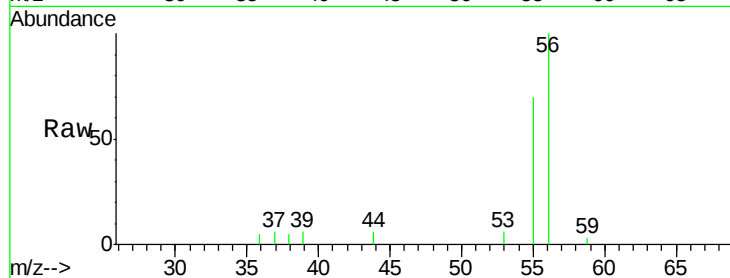
VD0402SBS01

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

12000

10000

8000

6000

4000

2000

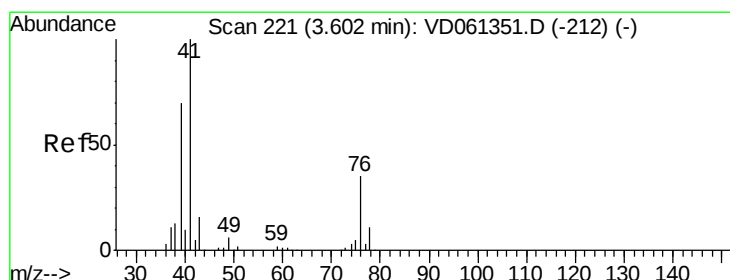
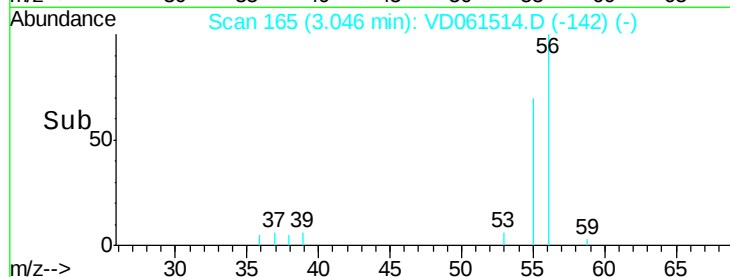
0

Time-->

3.00

3.10

3.20



#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

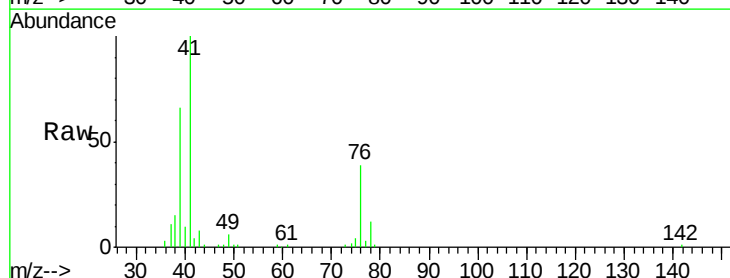
Tgt Ion: 41 Resp: 227358

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

100000

80000

60000

40000

20000

0

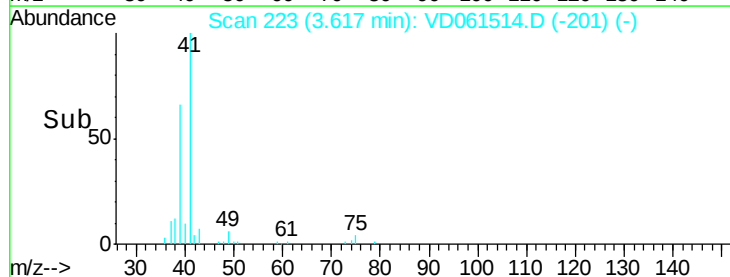
Time-->

3.50

3.60

3.70

3.80





#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 :

VD0402SBS01

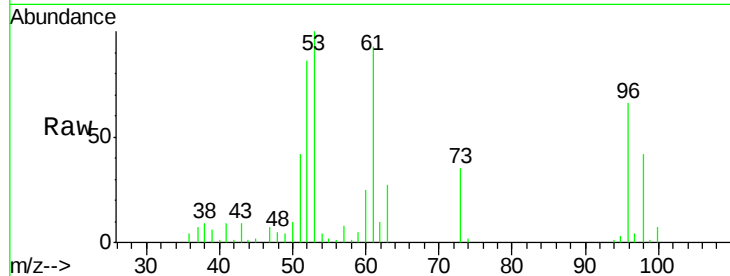
Tot Ion: 53 Resp: 149054

Ion Ratio Lower Upper

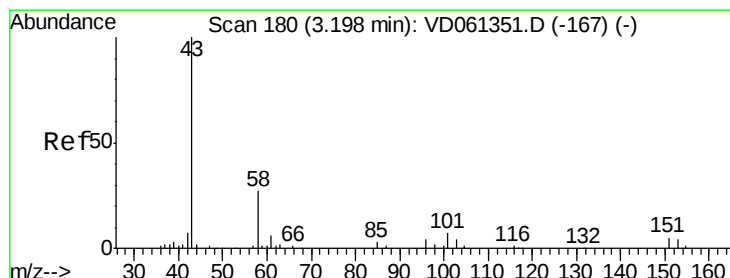
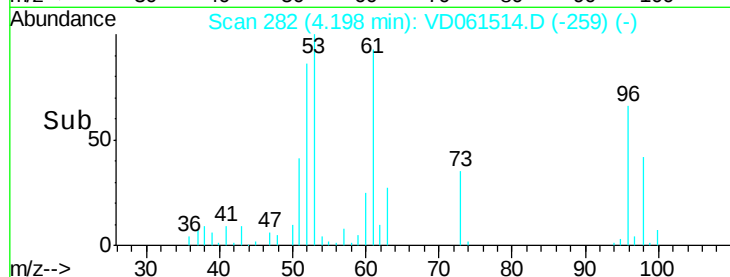
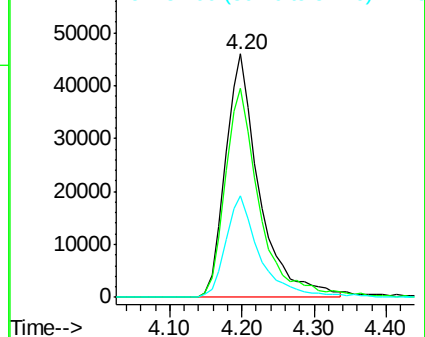
53 100

52 85.7 64.8 97.2

51 41.6 31.4 47.2



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



#16

Acetone

Concen: 116.802 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061514.D

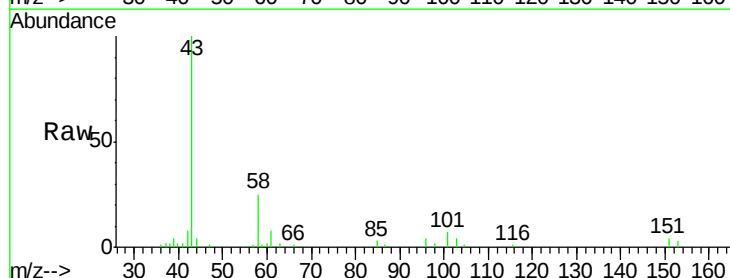
Acq: 2 Apr 2019 15:11

Tgt Ion: 43 Resp: 178078

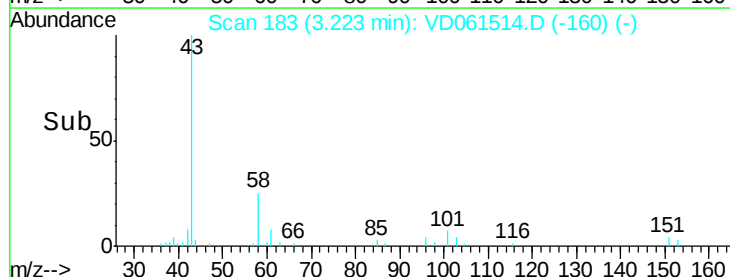
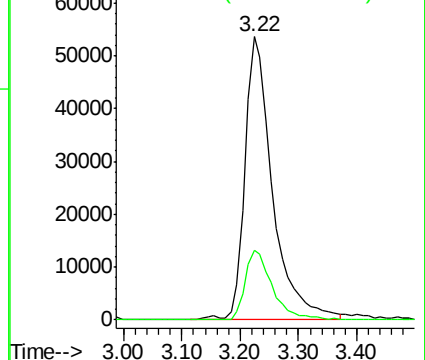
Ion Ratio Lower Upper

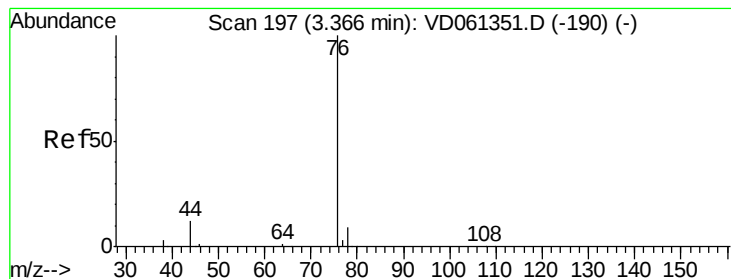
43 100

58 24.6 21.5 32.3



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





#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 :

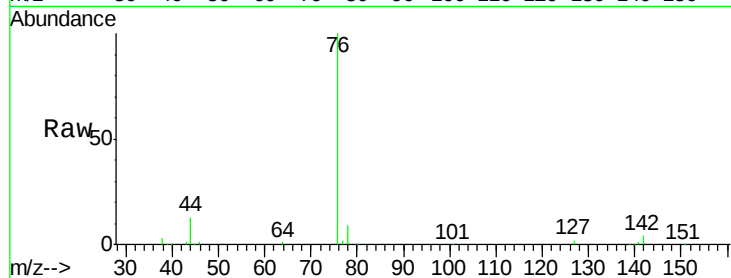
VD0402SBS01

Tot Ion: 76 Resp: 521681

Ion Ratio Lower Upper

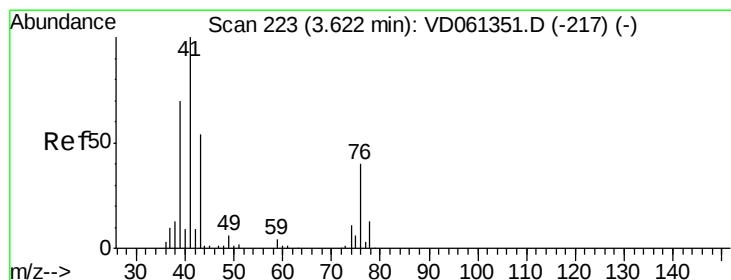
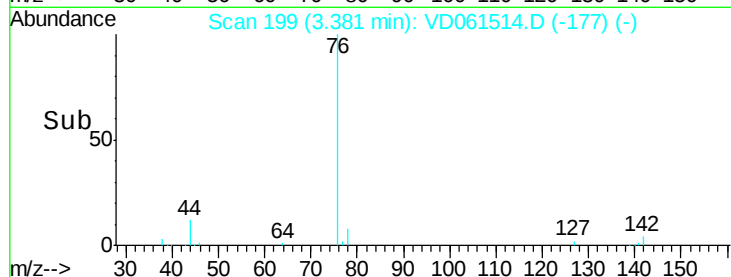
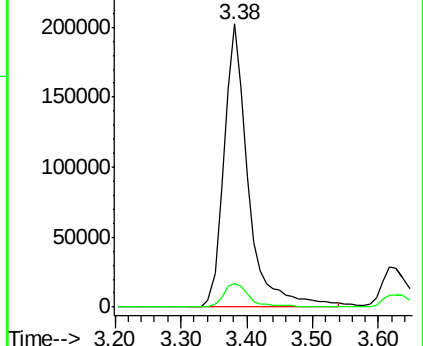
76 100

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

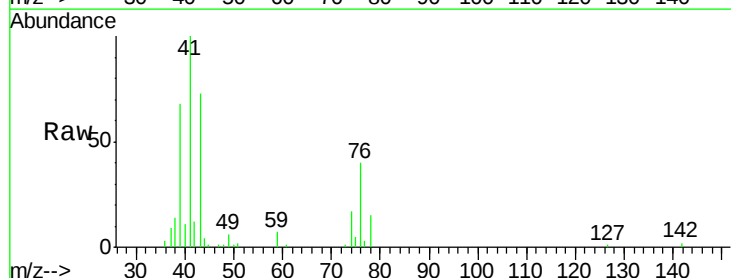
Acq: 2 Apr 2019 15:11

Tgt Ion: 43 Resp: 73029

Ion Ratio Lower Upper

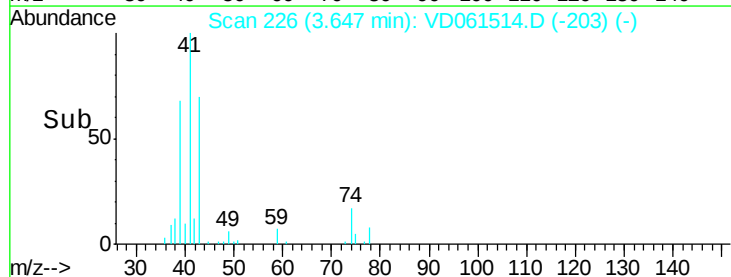
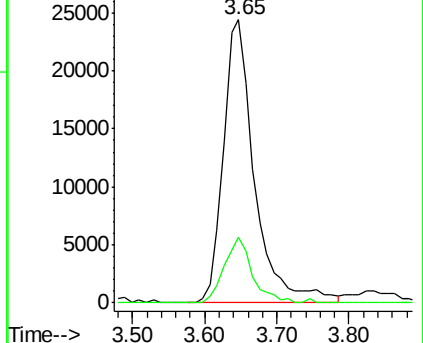
43 100

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

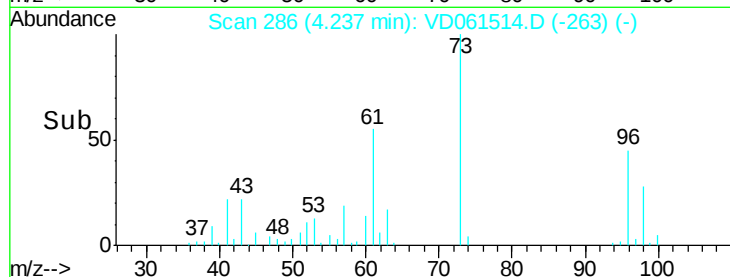
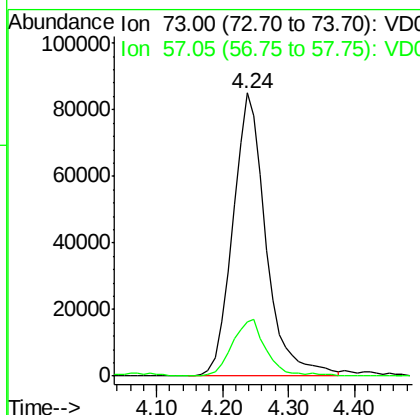
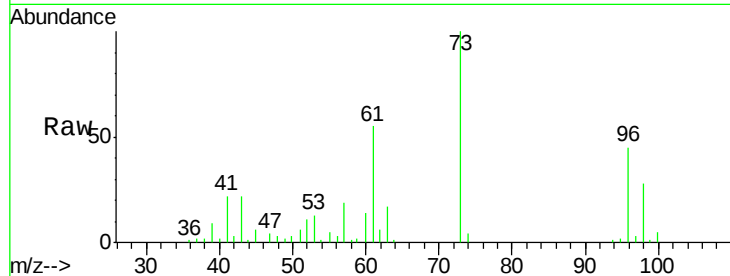




#19
Methyl tert-butyl Ether
Concen: 23.289 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

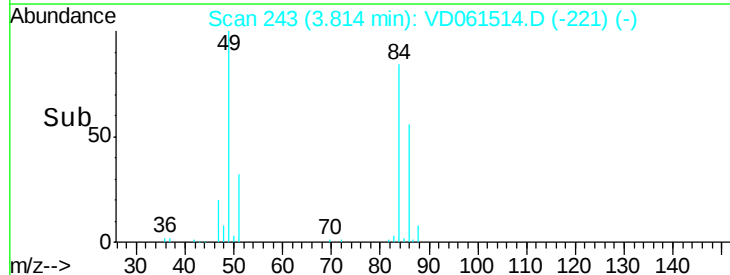
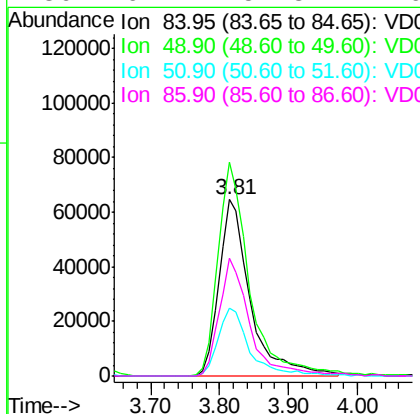
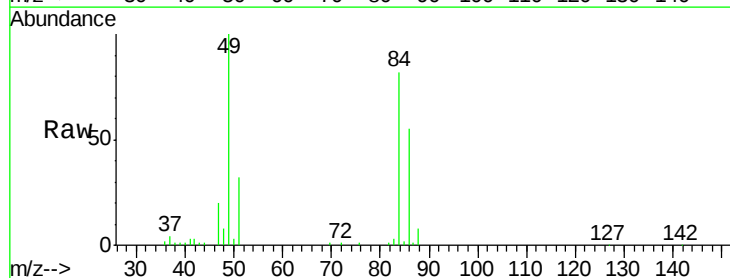
Instrument :
MSVOA_D
ClientSampleID :
VD0402SBS01

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

ClientSampleId :

VD0402SBS01

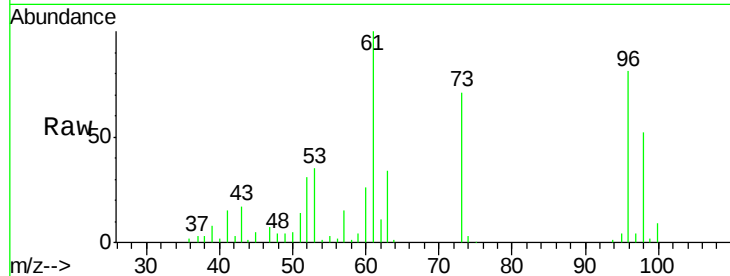
Tot Ion: 96 Resp: 184847

Ion Ratio Lower Upper

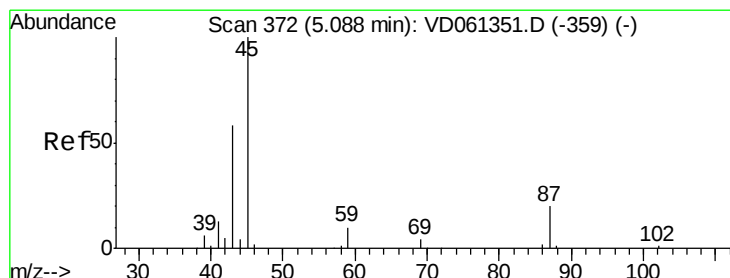
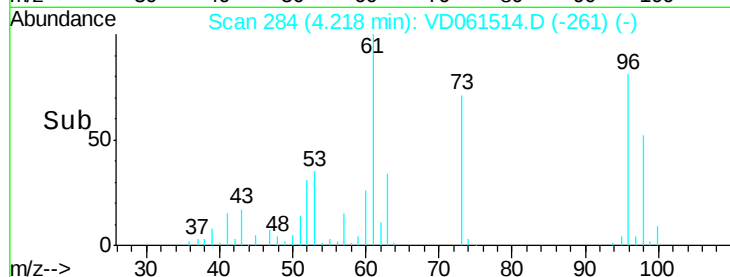
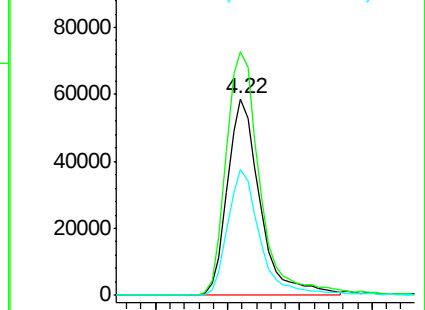
96 100

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

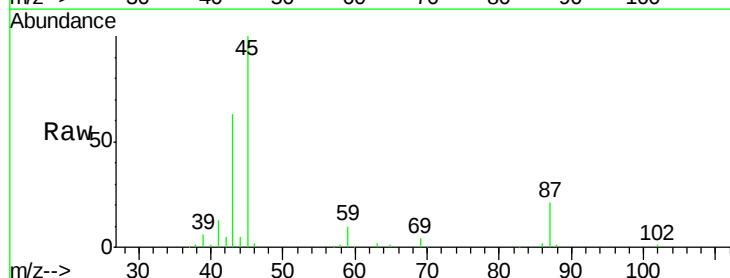
Ion Ratio Lower Upper

45 100

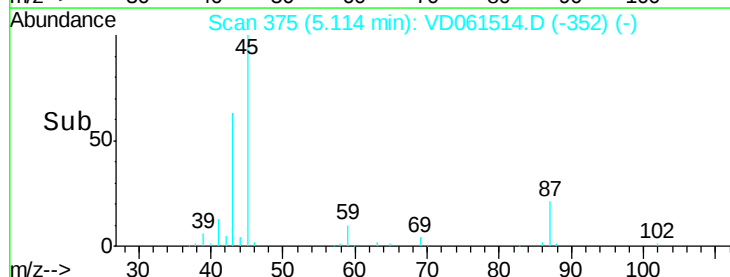
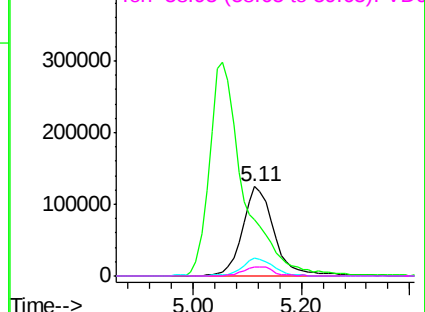
43 63.2 47.4 71.2

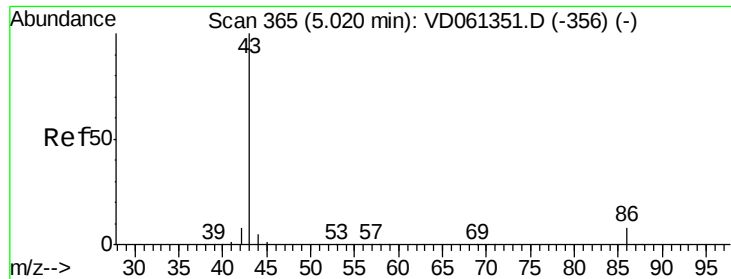
87 20.6 16.3 24.5

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 :

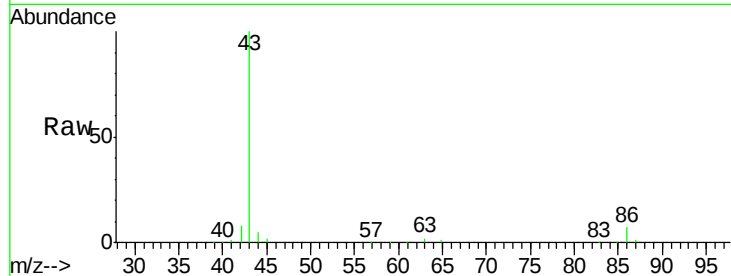
VD0402SBS01

Tot Ion: 43 Resp: 1286223

Ion Ratio Lower Upper

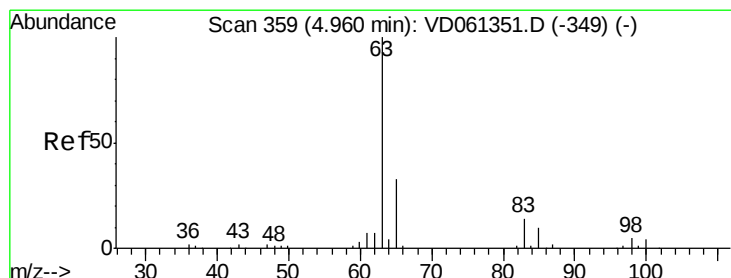
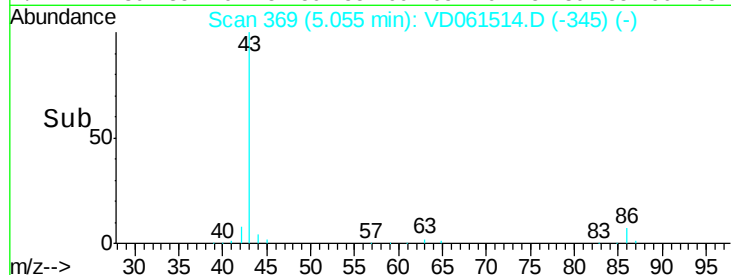
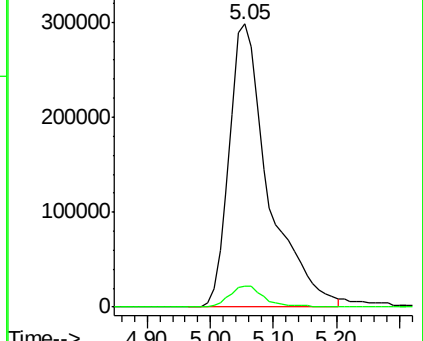
43 100

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

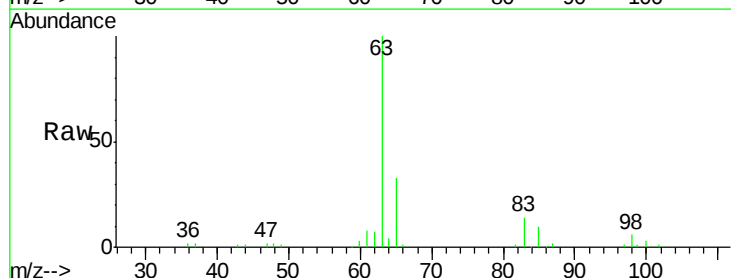
Tgt Ion: 63 Resp: 286033

Ion Ratio Lower Upper

63 100

98 6.2 2.6 8.0

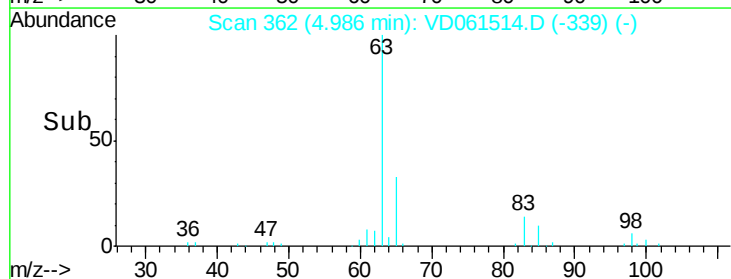
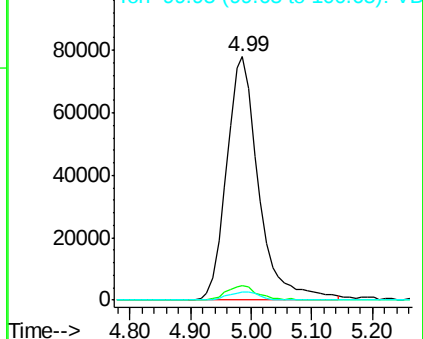
100 3.4 1.8 5.3

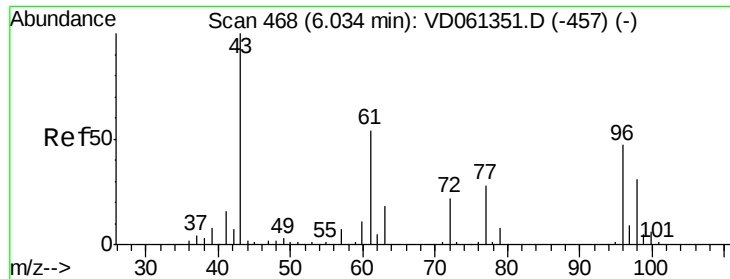


Abundance Ion 62.95 (62.65 to 63.65): VDC

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

ClientSampleId :

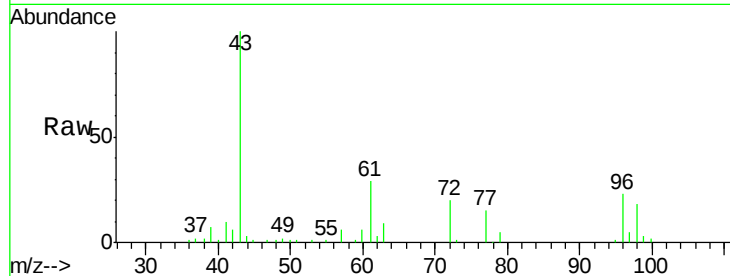
VD0402SBS01

Tot Ion: 43 Resp: 218076

Ion Ratio Lower Upper

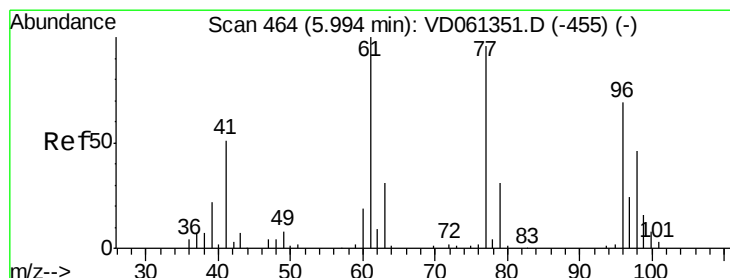
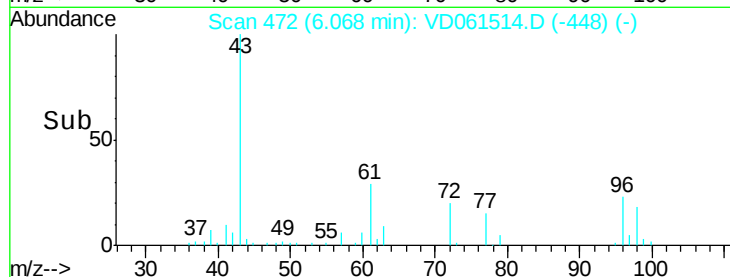
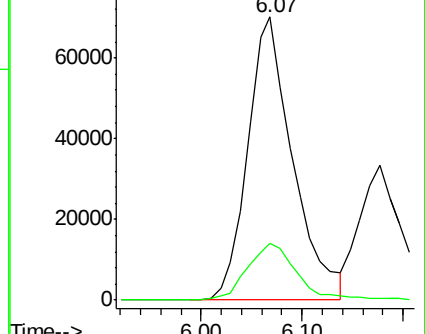
43 100

72 20.1 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.992 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD061514.D

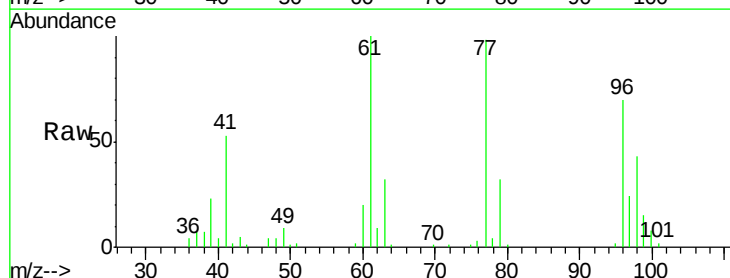
Acq: 2 Apr 2019 15:11

Tgt Ion: 77 Resp: 225983

Ion Ratio Lower Upper

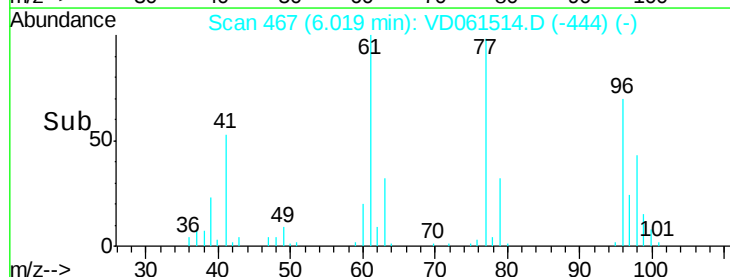
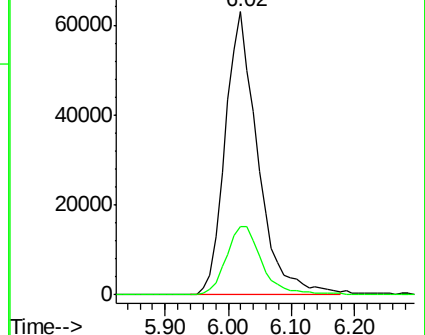
77 100

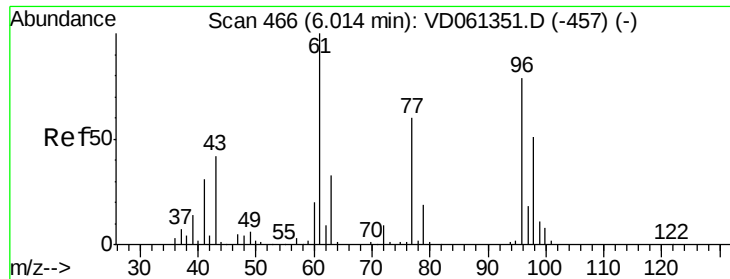
97 24.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



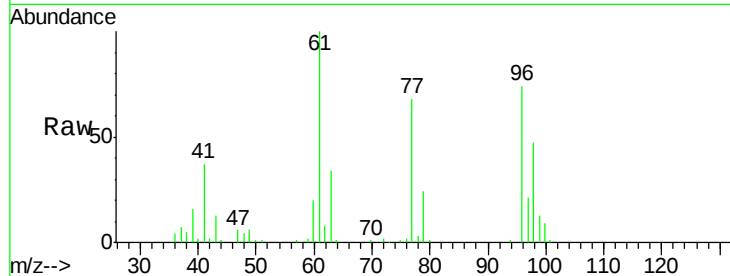


#27

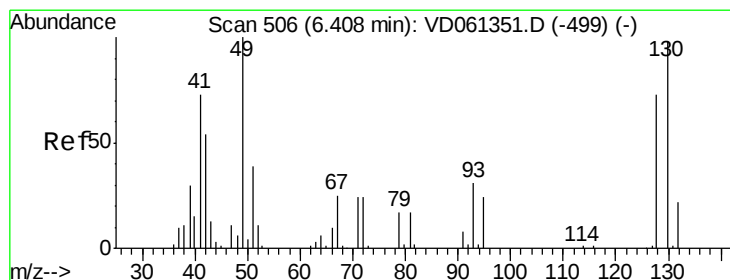
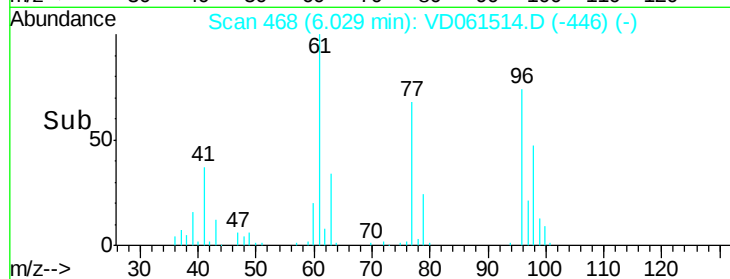
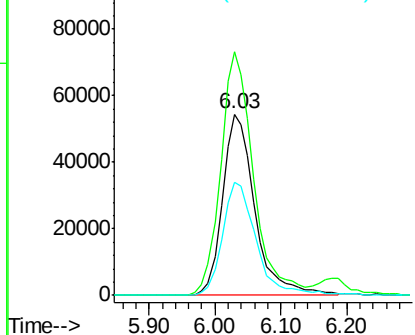
cis-1,2-Dichloroethene
 Concen: 21.122 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

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



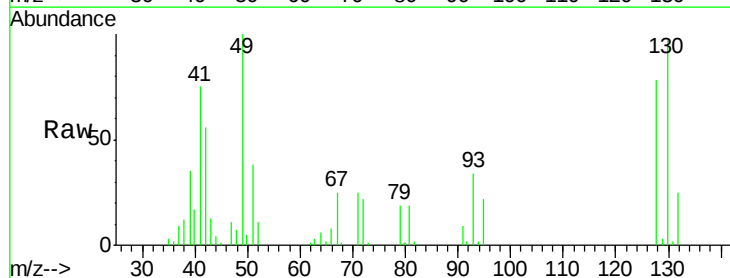
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



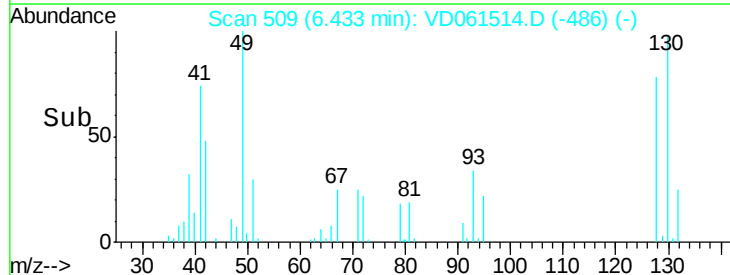
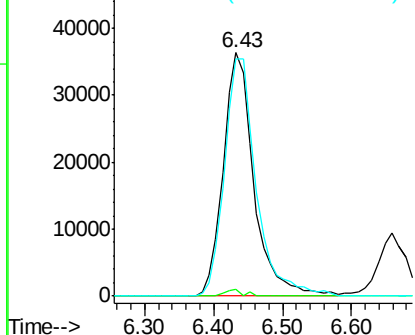
#28

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

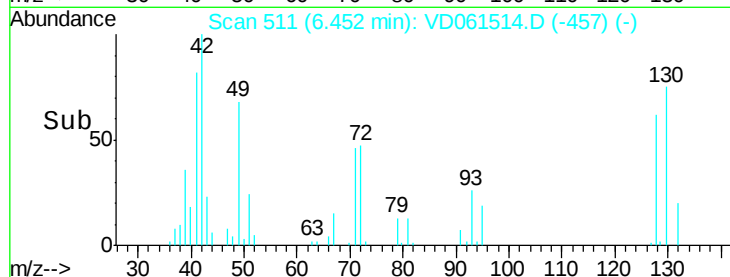
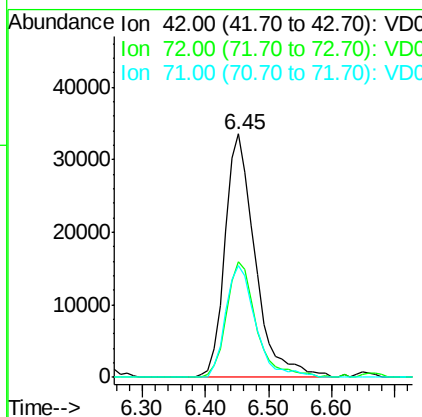
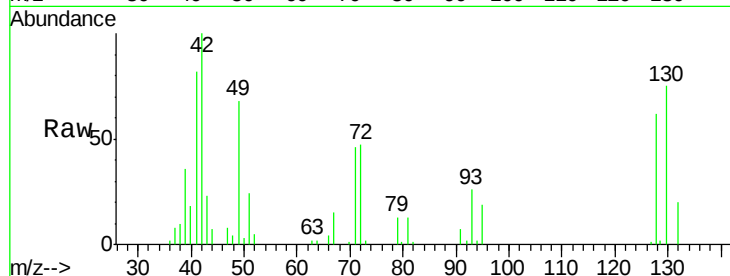




#29
Tetrahydrofuran
Concen: 119.514 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

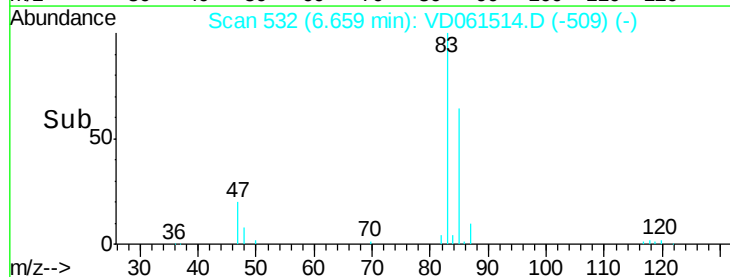
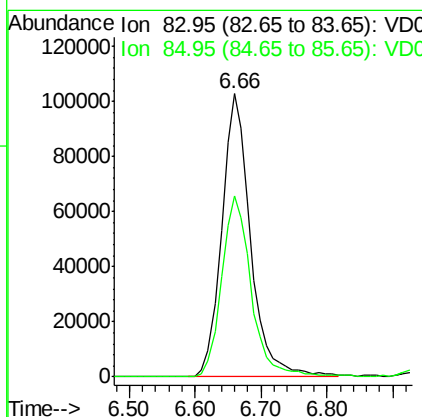
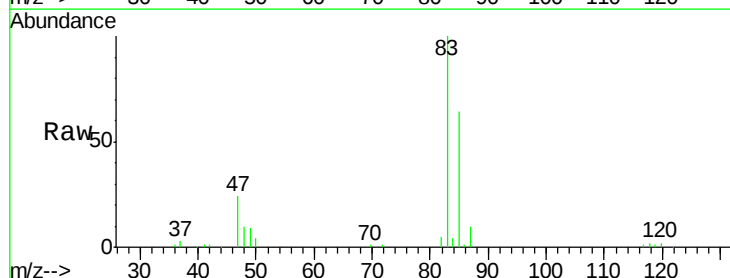
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

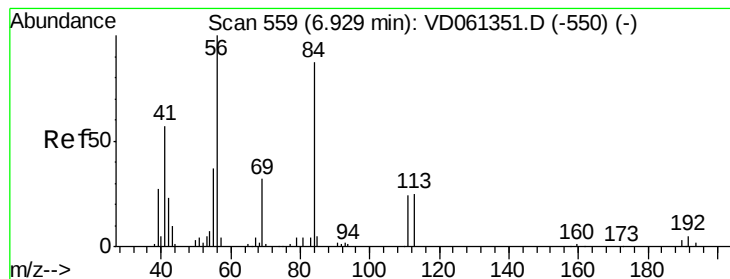
Tot Ion: 42 Resp: 111096
Ion Ratio Lower Upper
42 100
72 46.4 37.4 56.0
71 45.2 36.7 55.1



#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

Cyclohexane

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 :

VD0402SBS01

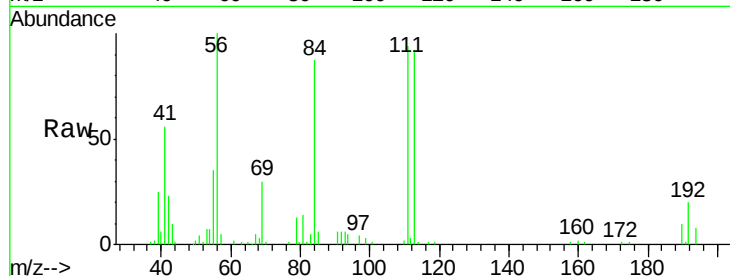
Tot Ion: 56 Resp: 239621

Ion Ratio Lower Upper

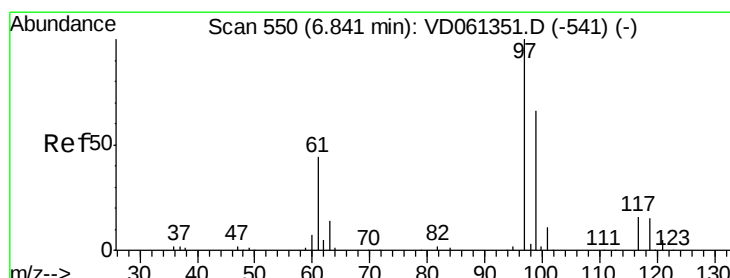
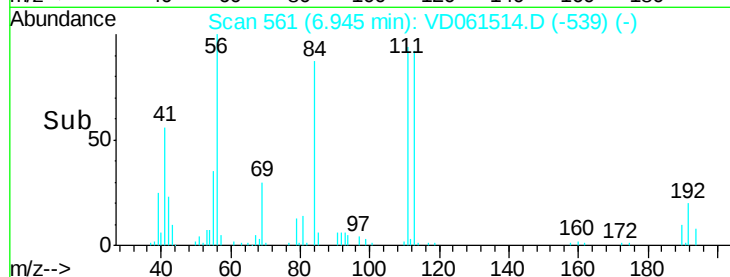
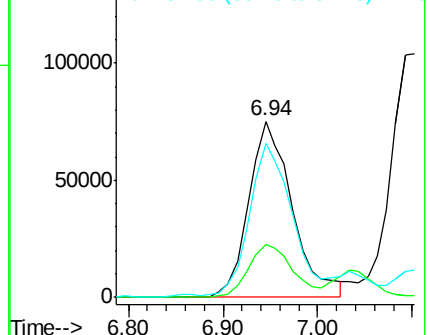
56 100

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

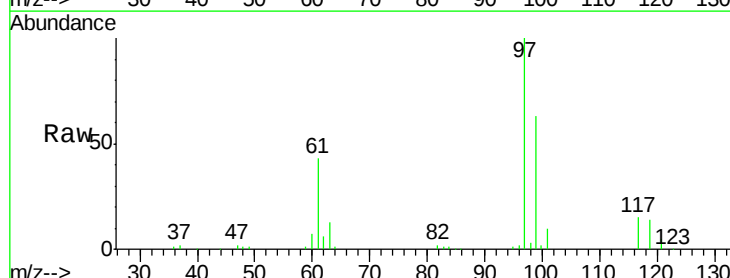
Tgt Ion: 97 Resp: 258225

Ion Ratio Lower Upper

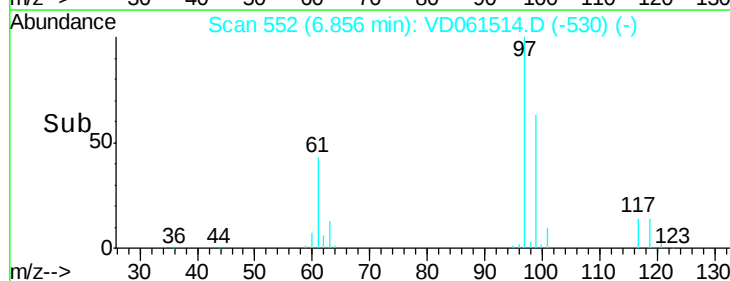
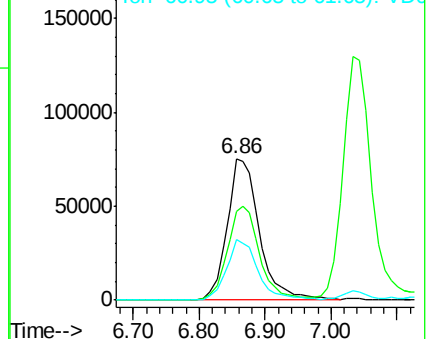
97 100

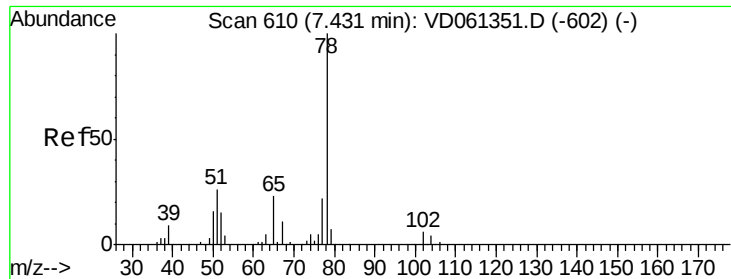
99 62.9 53.1 79.7

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

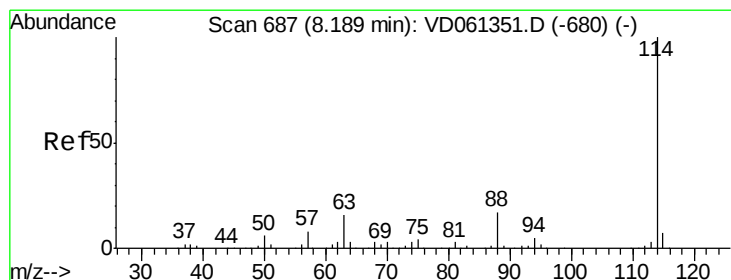
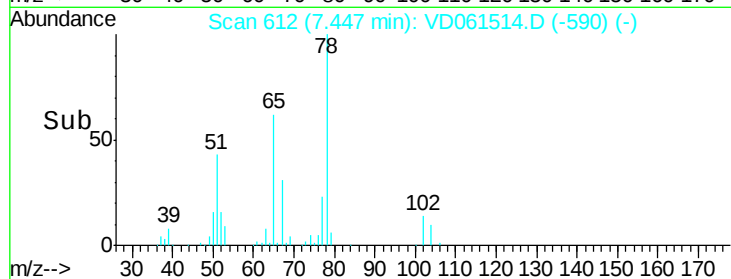
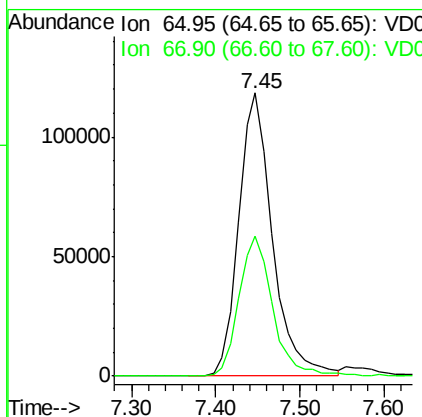
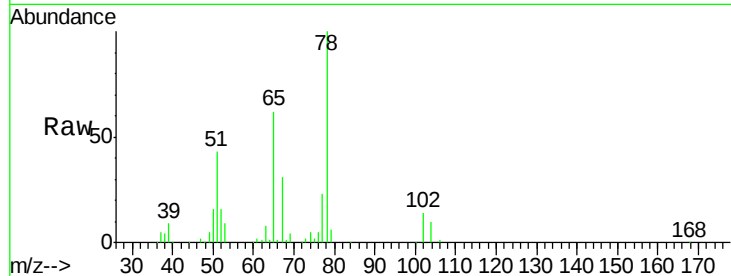




#33
 1,2-Dichloroethane-d4
 Concen: 21.914 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

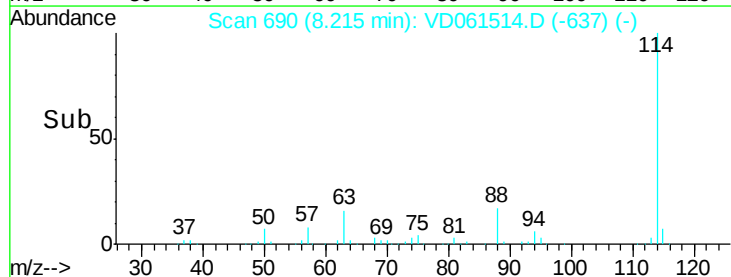
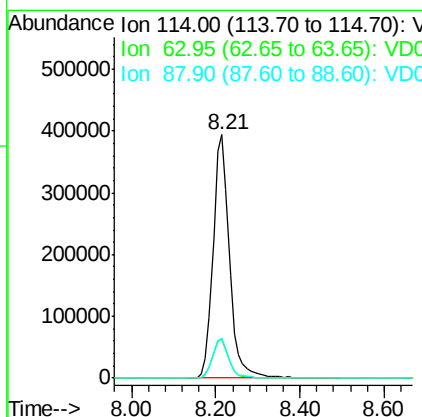
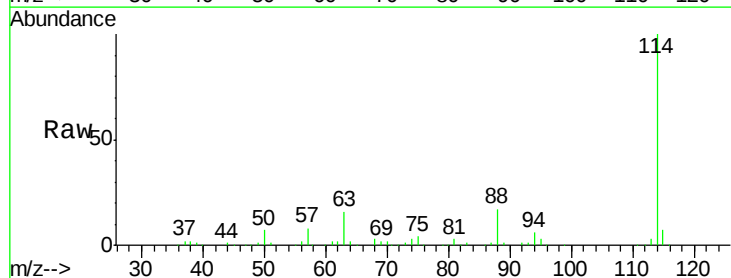
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

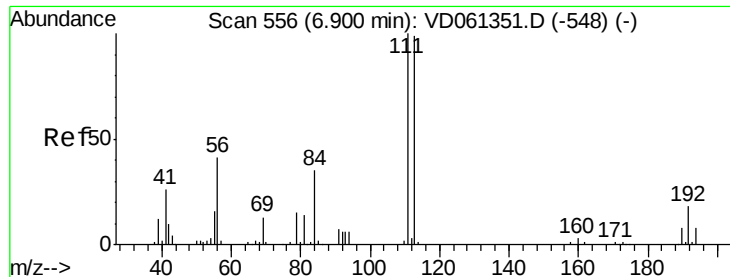
Tot Ion: 65 Resp: 331063
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#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

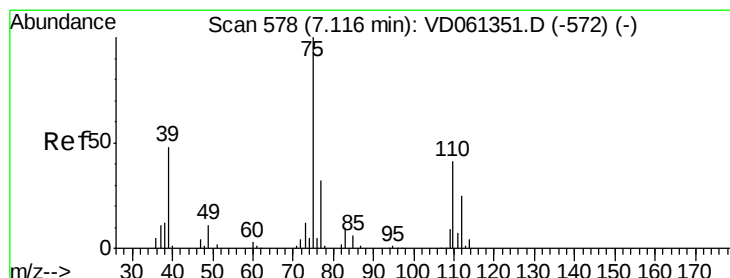
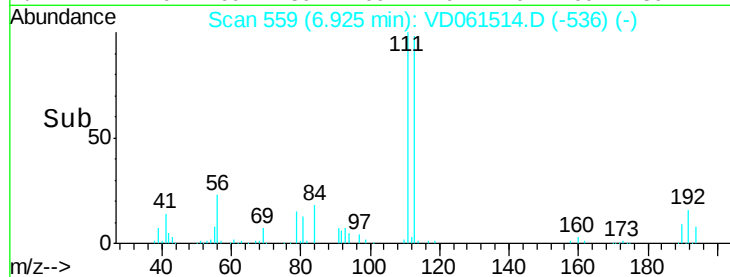
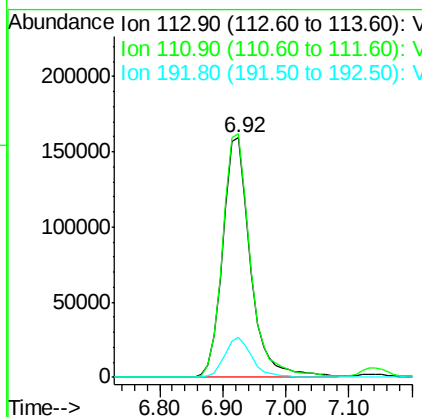
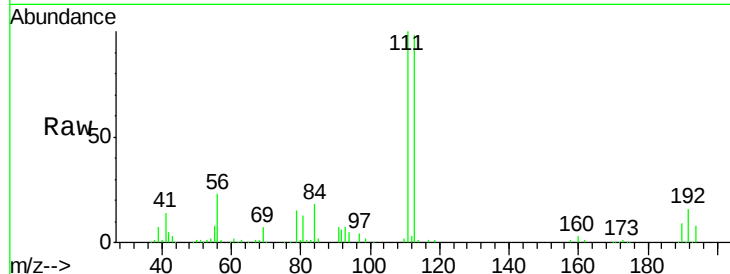




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

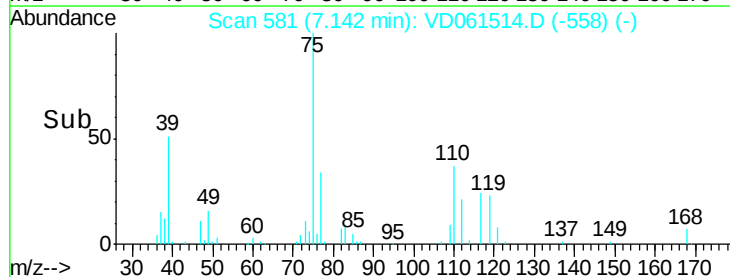
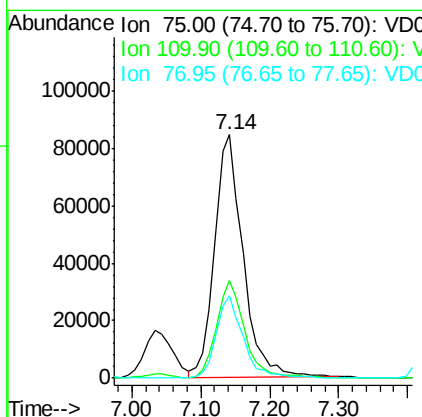
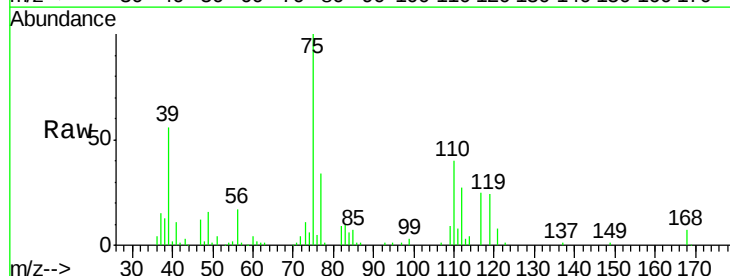
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

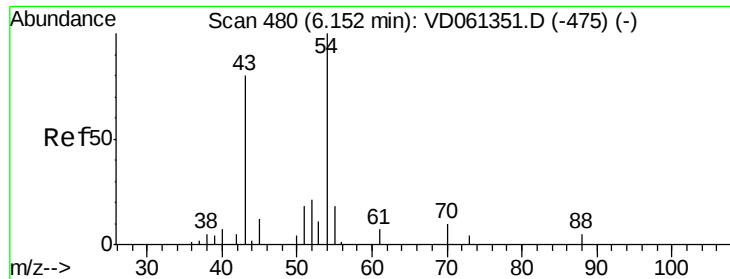
Tot Ion:113 Resp: 488919
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.0 121.6
 192 16.7 14.4 21.6



#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

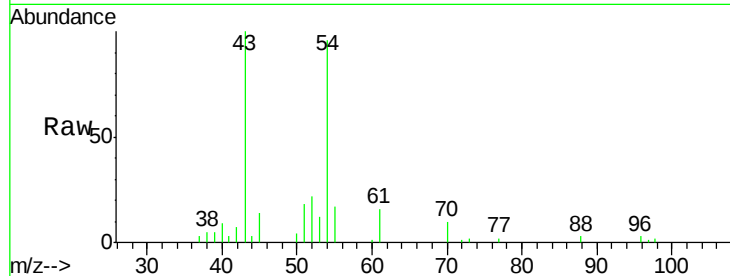




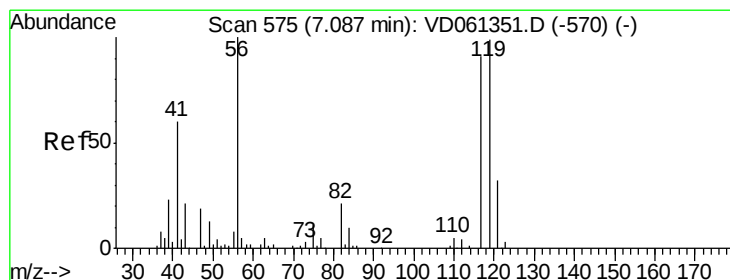
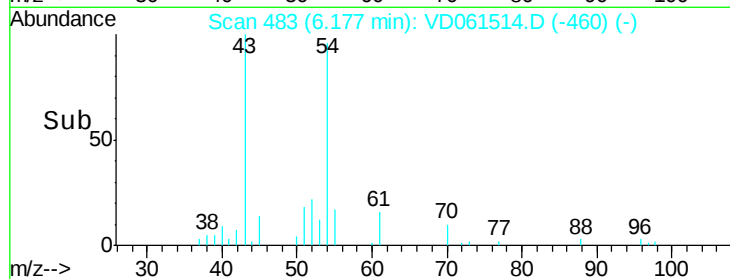
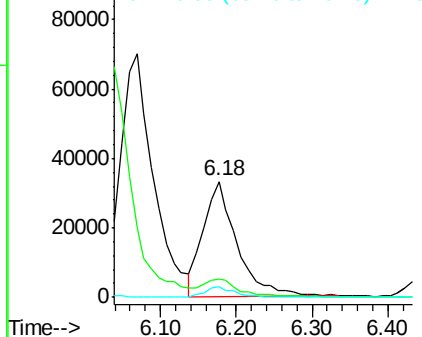
#37
Ethyl Acetate
Concen: 25.557 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.03 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

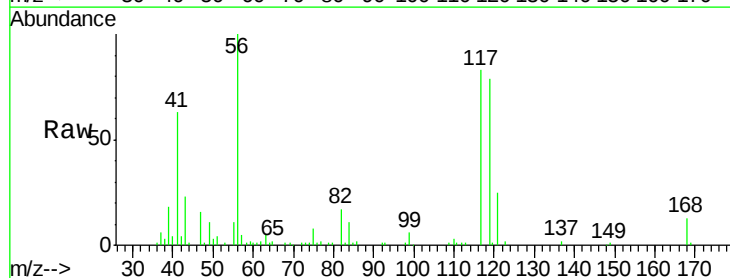


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

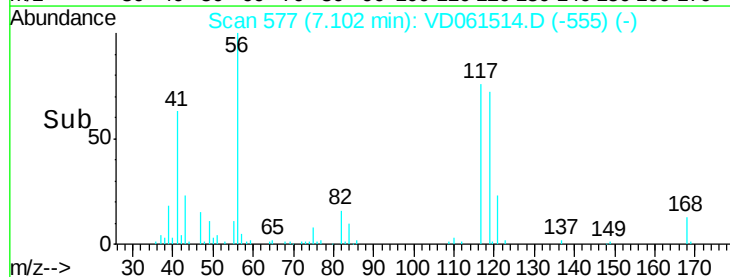
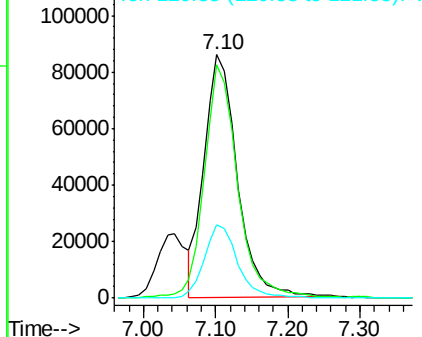


#38
Carbon Tetrachloride
Concen: 25.637 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

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

ClientSampleId :

VD0402SBS01

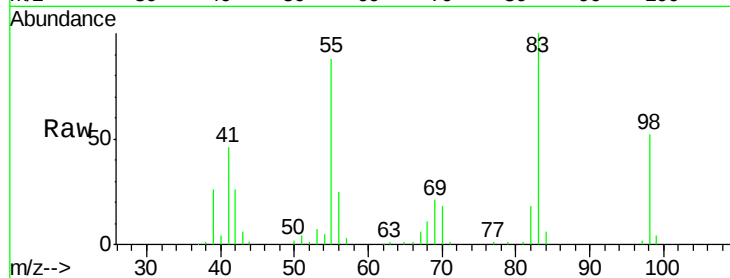
Tot Ion: 83 Resp: 248100

Ion Ratio Lower Upper

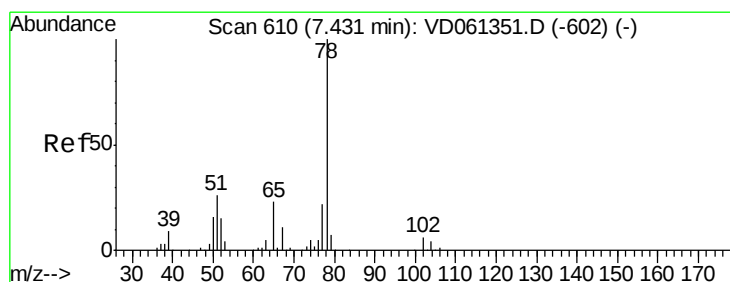
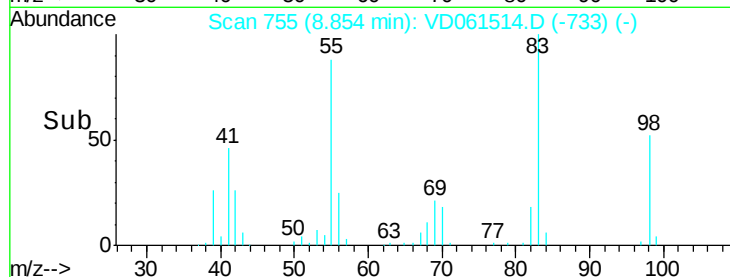
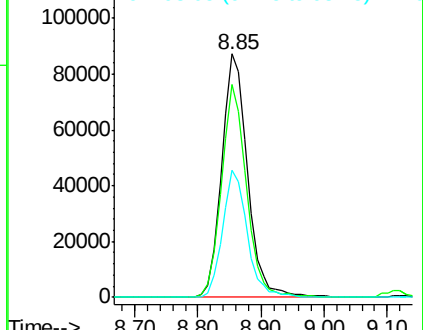
83 100

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

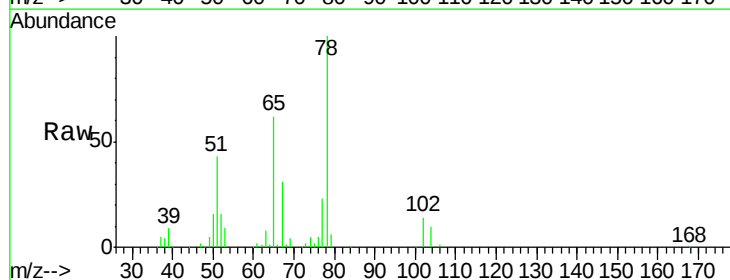
Acq: 2 Apr 2019 15:11

Tgt Ion: 78 Resp: 568523

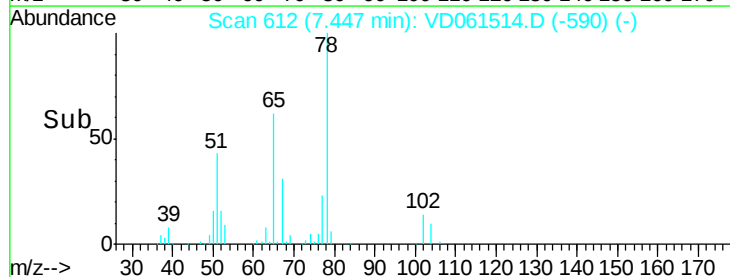
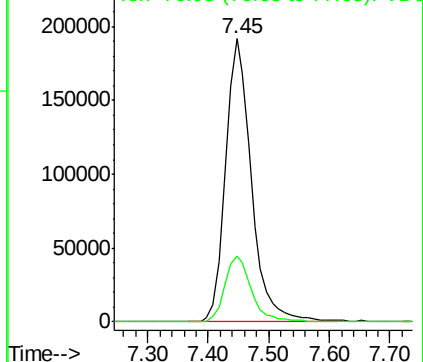
Ion Ratio Lower Upper

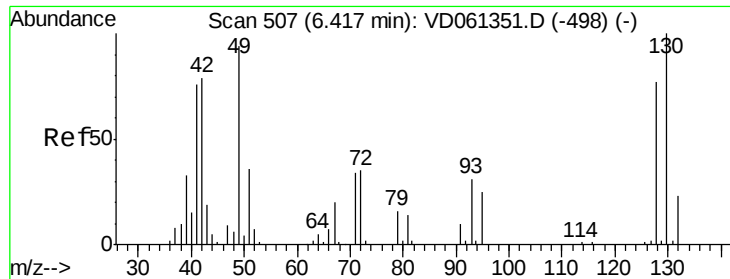
78 100

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

ClientSampleId :

VD0402SBS01

Tot Ion: 41 Resp: 119925

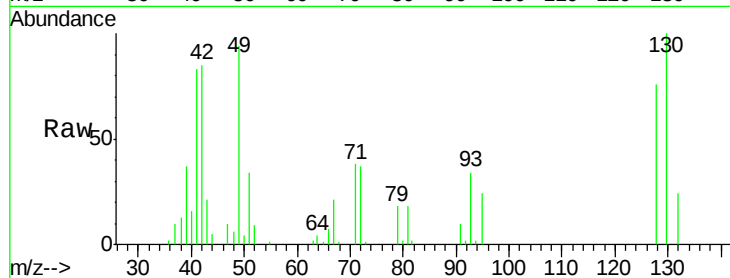
Ion Ratio Lower Upper

41 100

39 44.7 35.0 52.6

67 24.6 21.0 31.6

52 11.1 7.7 11.5

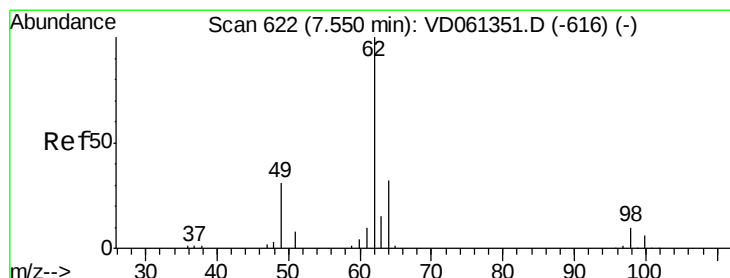
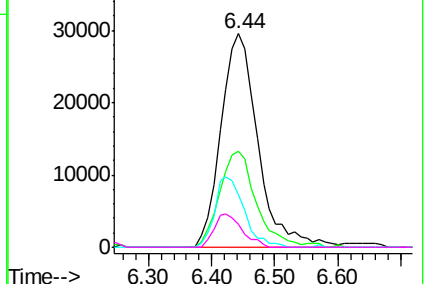
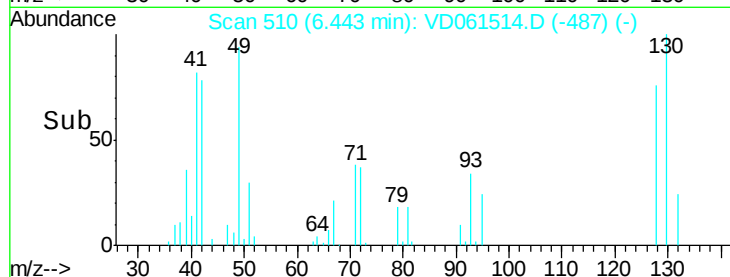


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

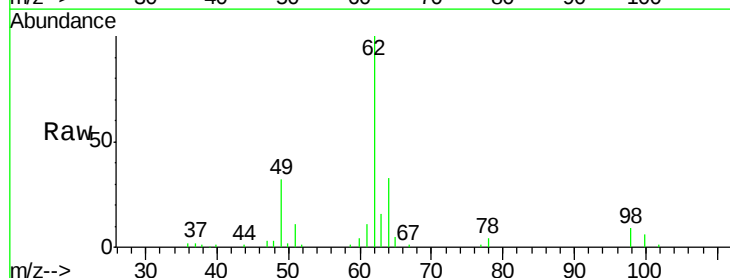
Acq: 2 Apr 2019 15:11

Tgt Ion: 62 Resp: 182046

Ion Ratio Lower Upper

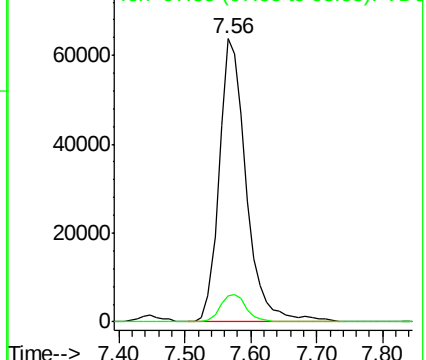
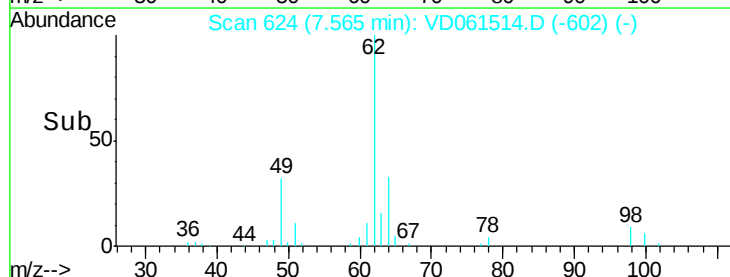
62 100

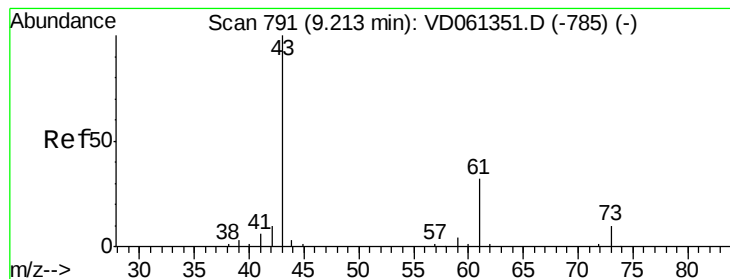
98 9.0 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



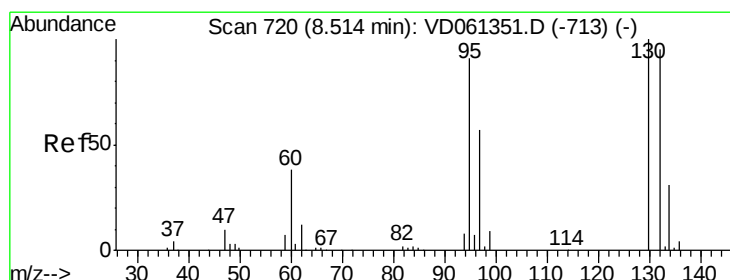
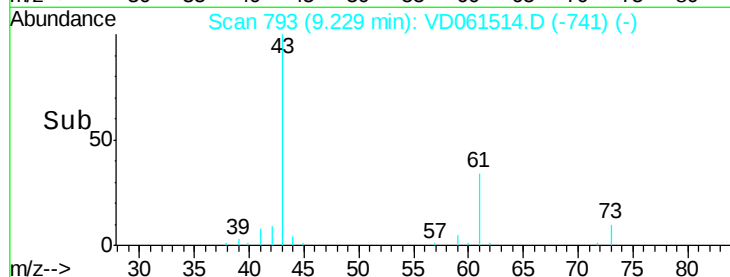
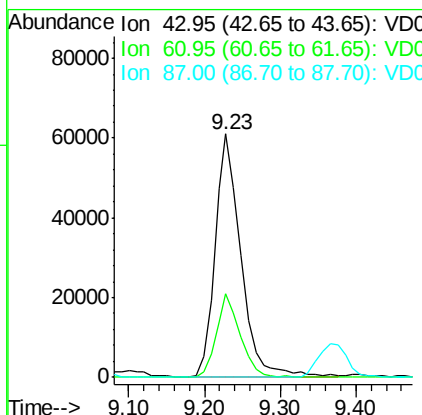
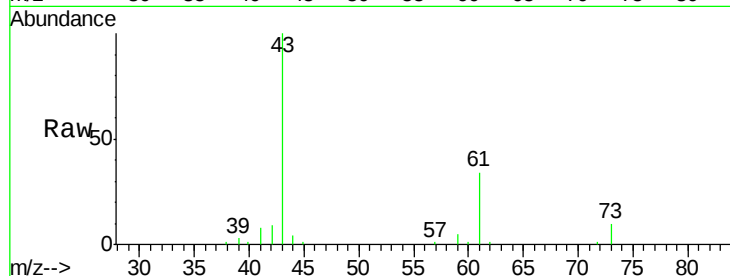


#43

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 :
 VD0402SBS01

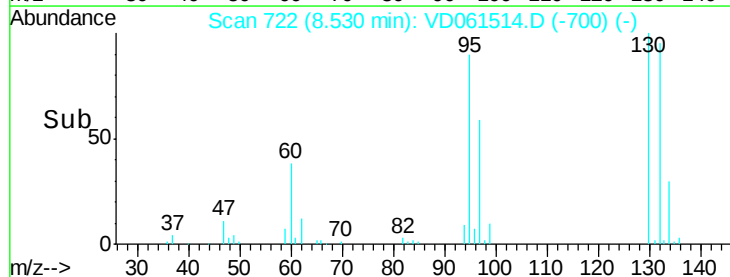
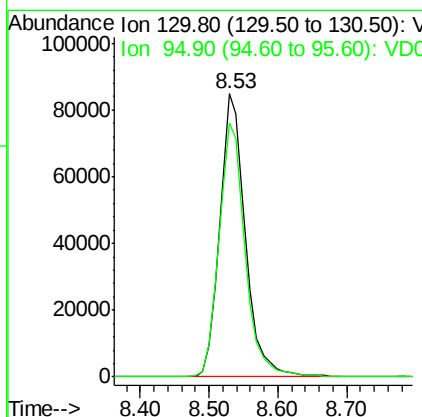
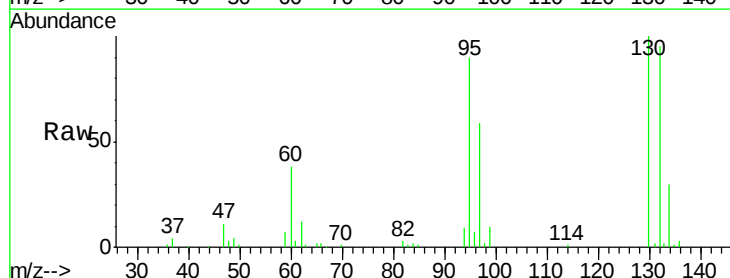
Tot Ion: 43 Resp: 145809
 Ion Ratio Lower Upper
 43 100
 61 34.1 25.8 38.6
 87 0.0 0.0 0.0

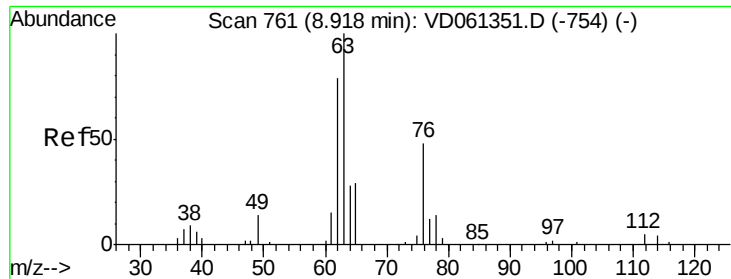


#44

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

ClientSampleId :

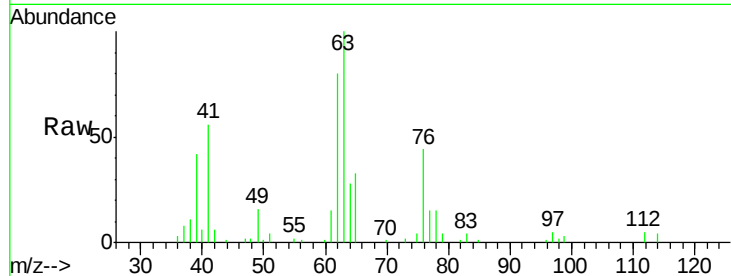
VD0402SBS01

Tot Ion: 63 Resp: 145876

Ion Ratio Lower Upper

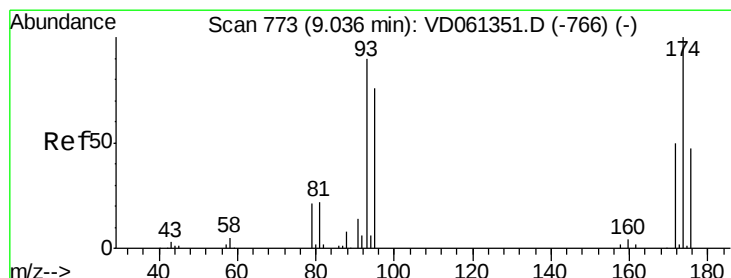
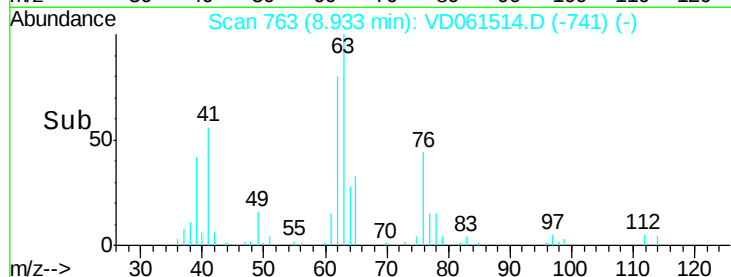
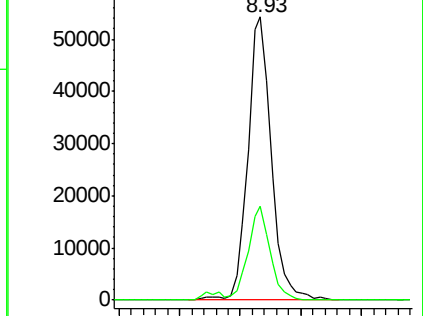
63 100

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

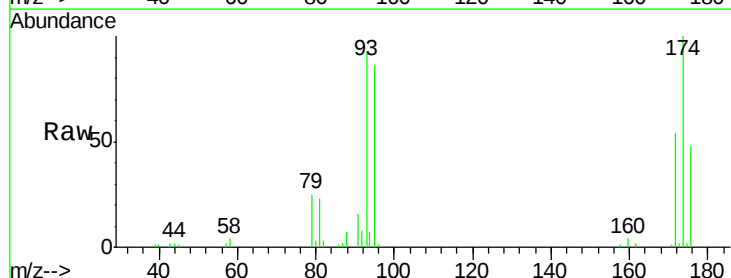
Tgt Ion: 93 Resp: 96092

Ion Ratio Lower Upper

93 100

95 93.6 67.4 101.0

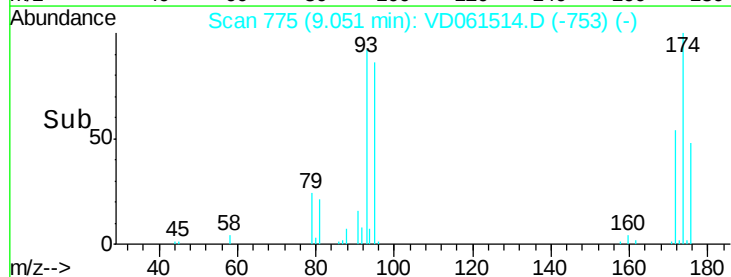
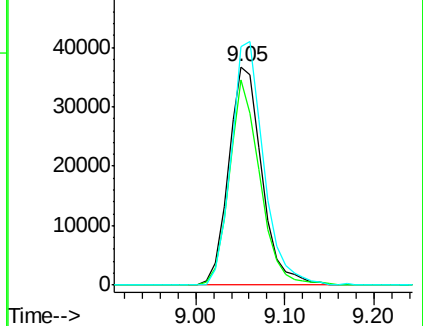
174 109.2 88.9 133.3



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 :

VD0402SBS01

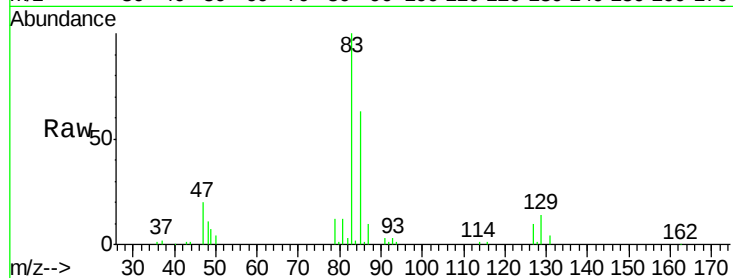
Tot Ion: 83 Resp: 216656

Ion Ratio Lower Upper

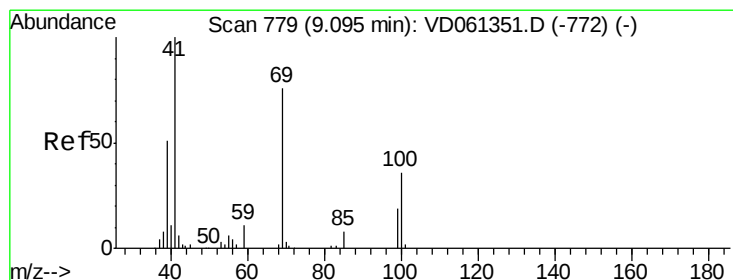
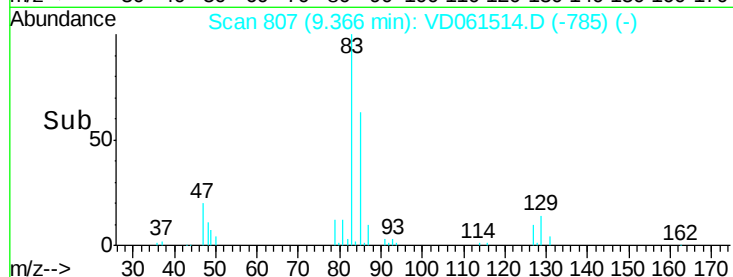
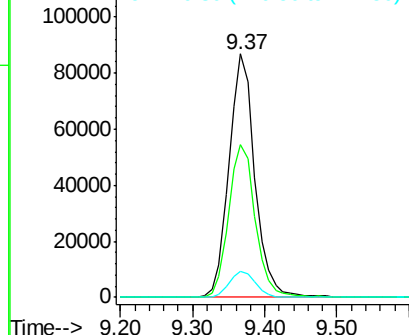
83 100

85 62.9 53.0 79.4

127 10.5 8.4 12.6



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



#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

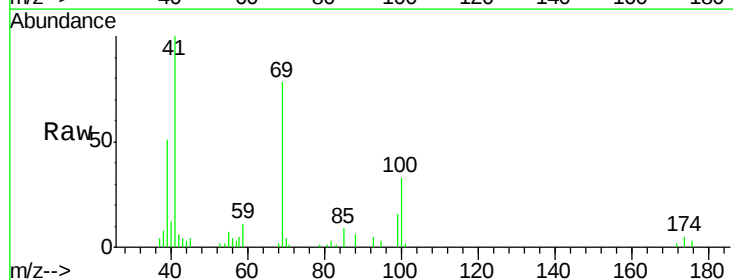
Tgt Ion: 41 Resp: 83612

Ion Ratio Lower Upper

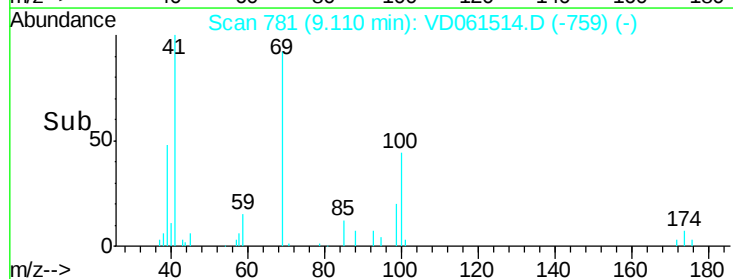
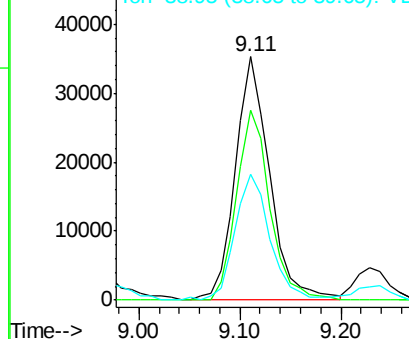
41 100

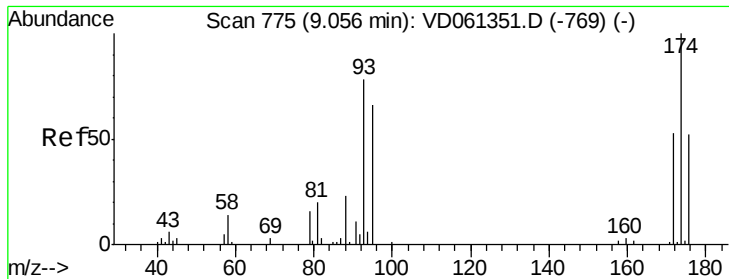
69 77.9 60.2 90.4

39 51.4 41.4 62.2



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

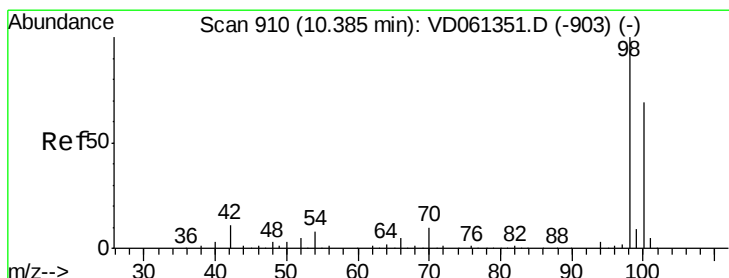
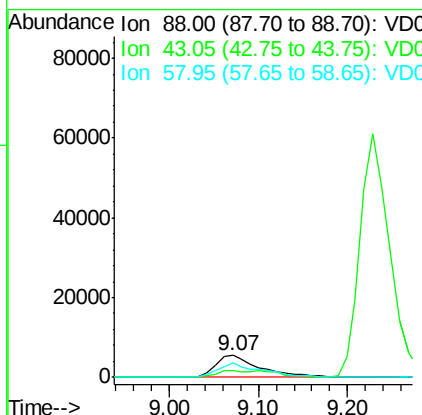
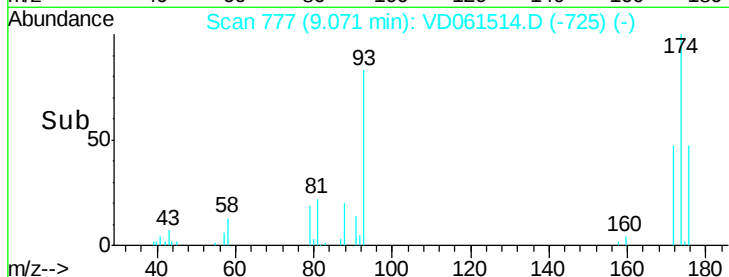
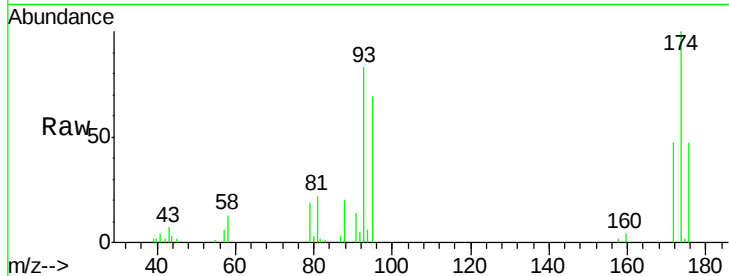




#49
1,4-Dioxane
Concen: 529.311 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

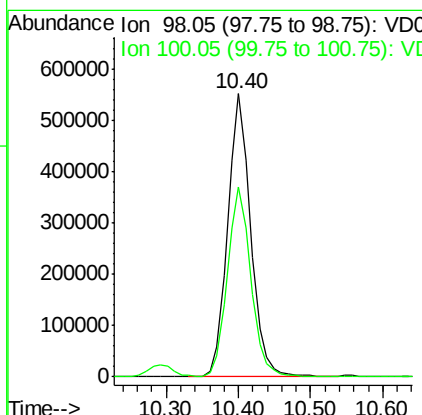
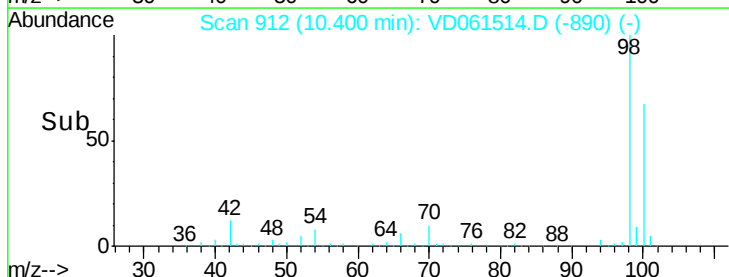
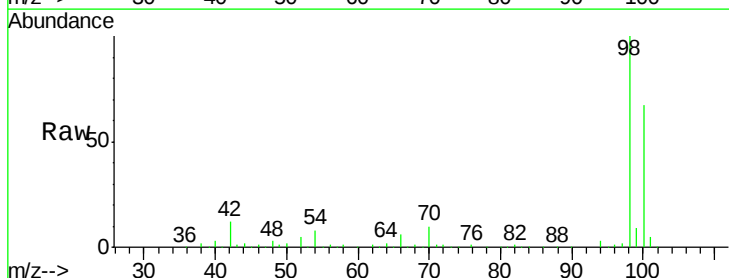
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

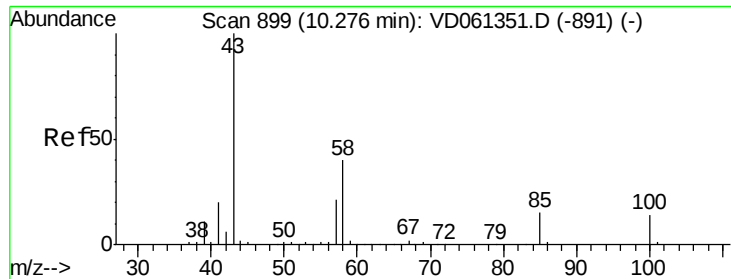
Tot Ion: 88 Resp: 18601
Ion Ratio Lower Upper
88 100
43 33.2 23.3 34.9
58 64.2 50.8 76.2



#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 :

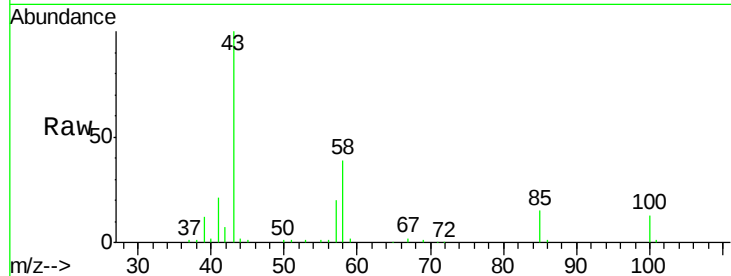
VD0402SBS01

Tot Ion: 43 Resp: 449645

Ion Ratio Lower Upper

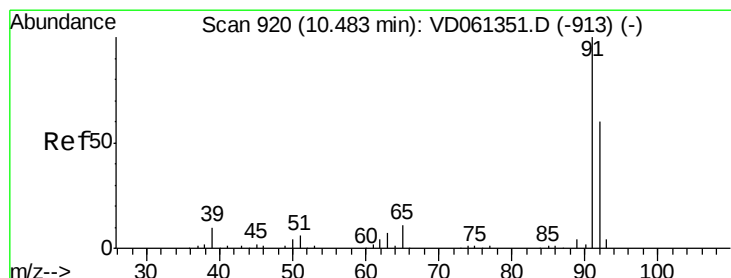
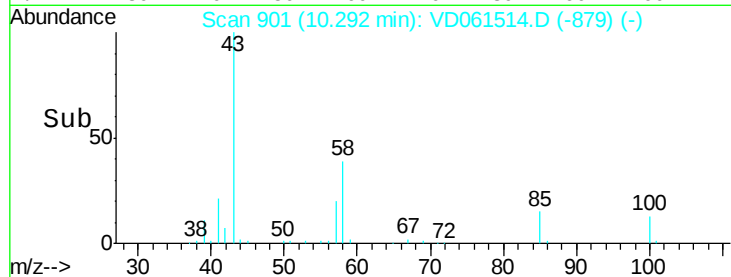
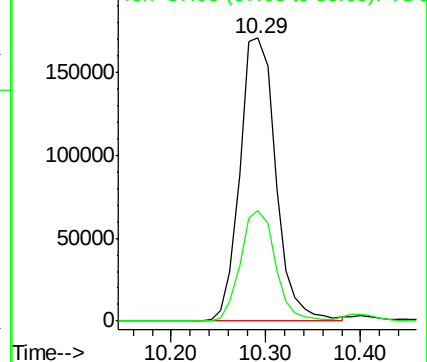
43 100

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



#52

Toluene

Concen: 25.266 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061514.D

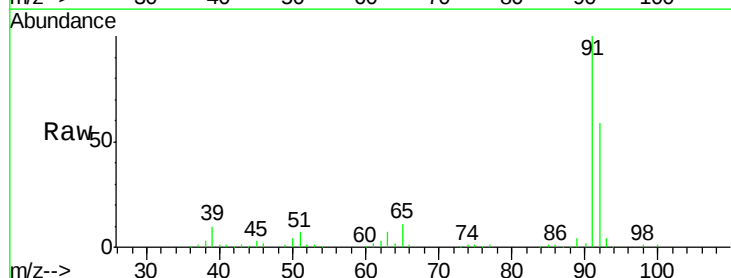
Acq: 2 Apr 2019 15:11

Tgt Ion: 92 Resp: 358908

Ion Ratio Lower Upper

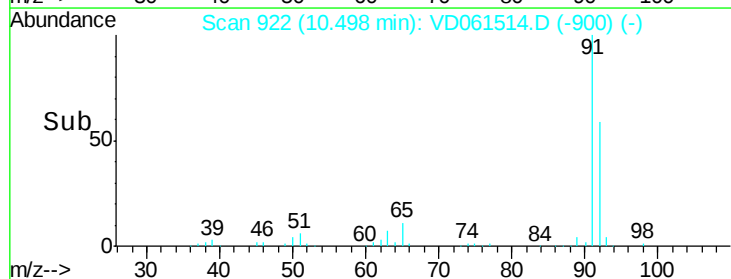
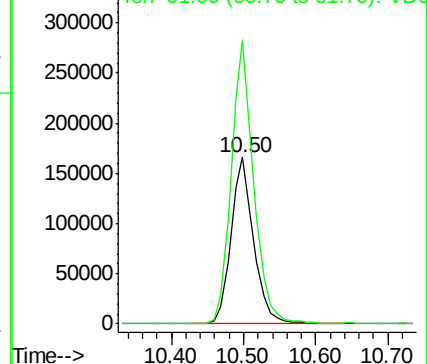
92 100

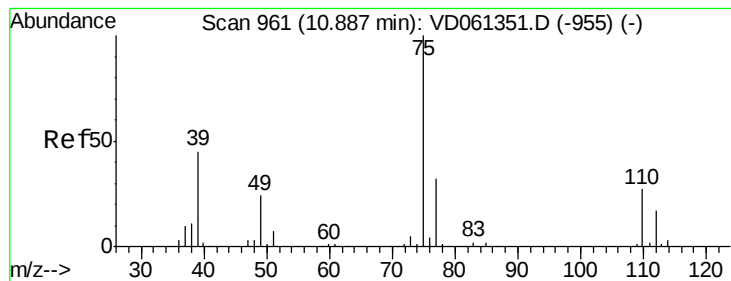
91 170.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#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

ClientSampleId :

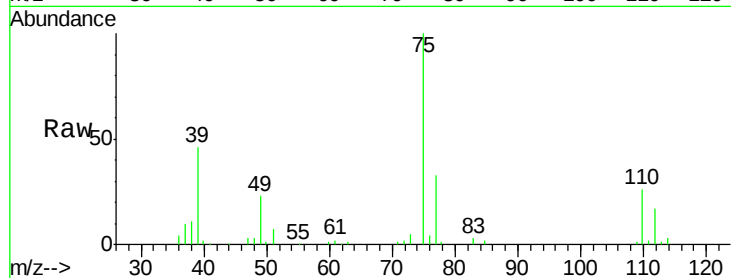
VD0402SBS01

Tot Ion: 75 Resp: 206164

Ion Ratio Lower Upper

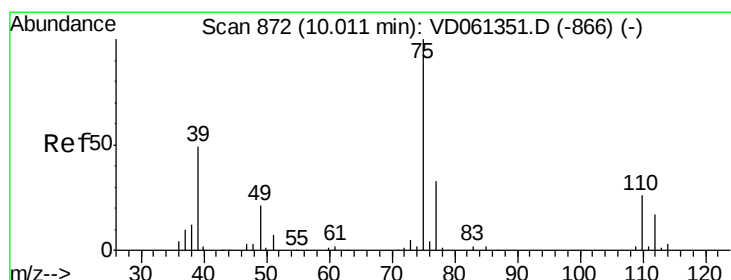
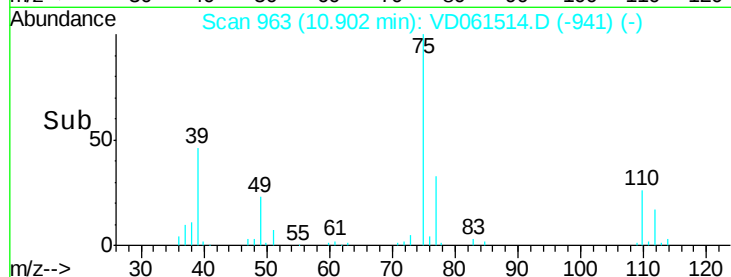
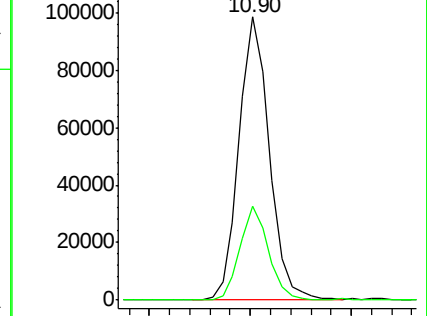
75 100

77 33.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 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

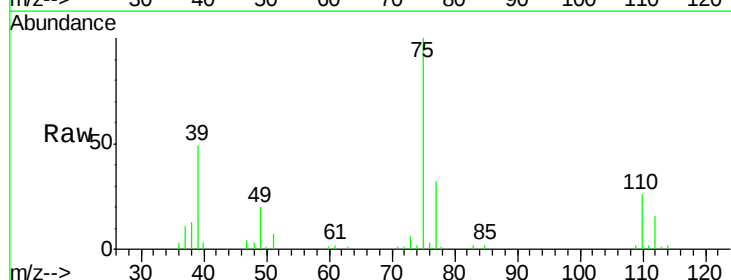
Tgt Ion: 75 Resp: 248626

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

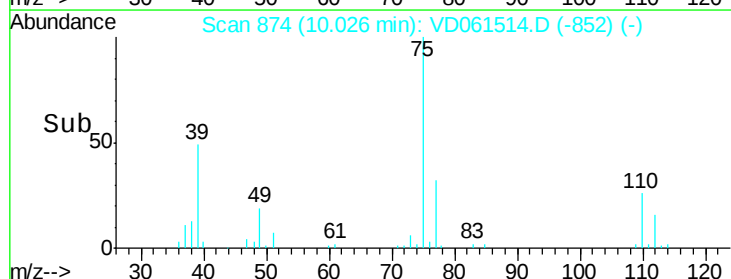
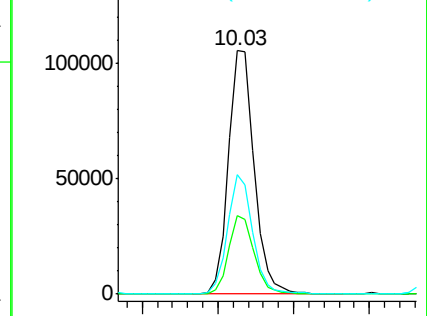
39 49.2 39.4 59.0

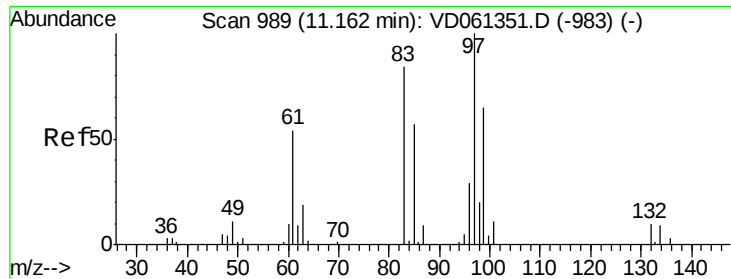


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

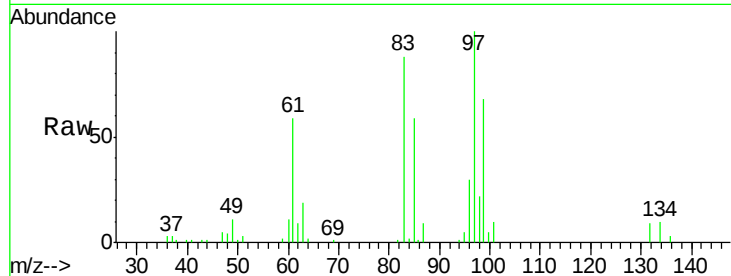




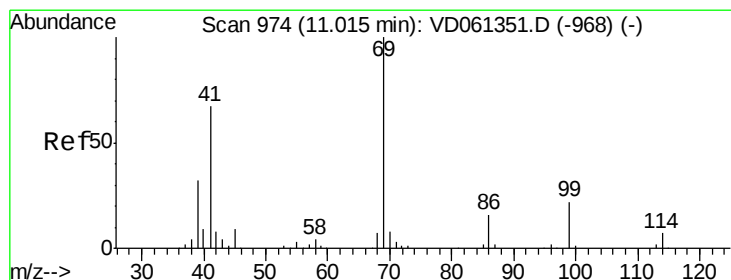
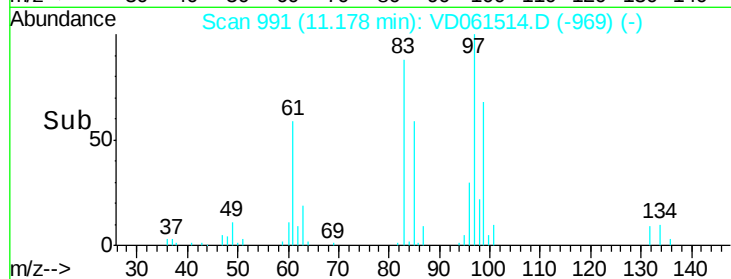
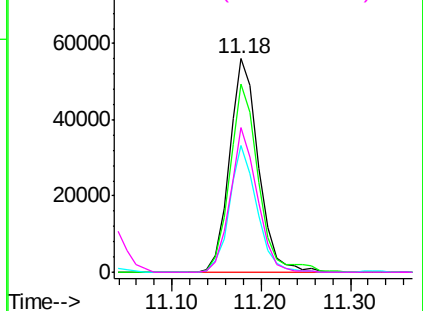
#55
 1,1,2-Trichloroethane
 Concen: 25.627 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

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

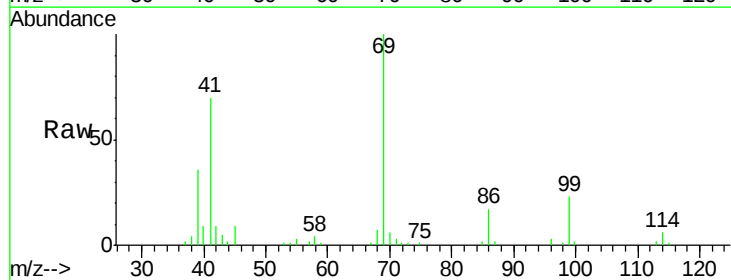


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

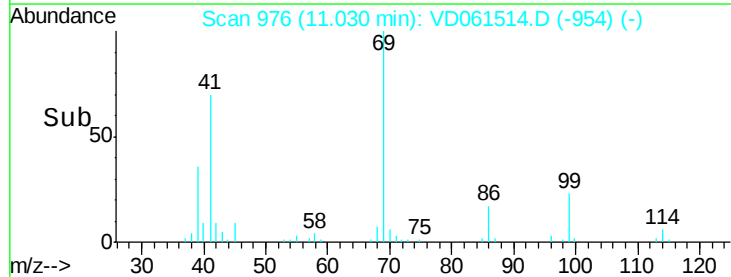
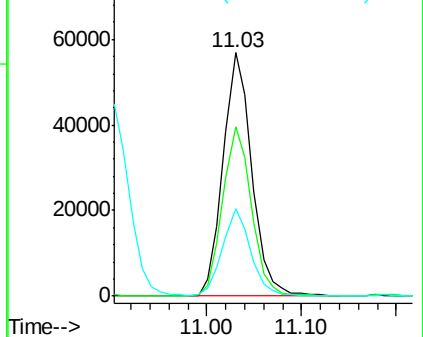


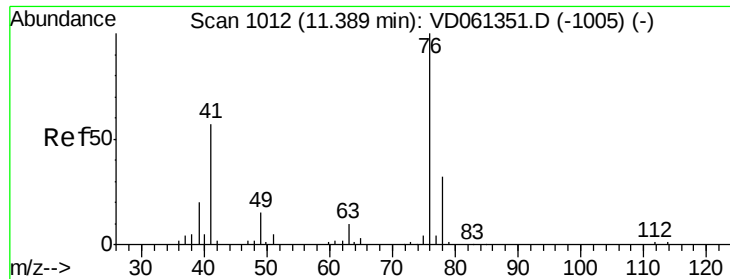
#56
 Ethyl methacrylate
 Concen: 22.440 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

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



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

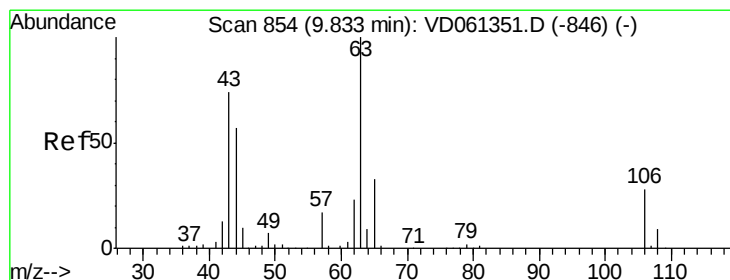
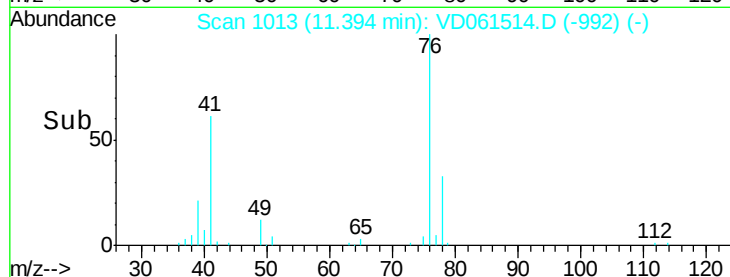
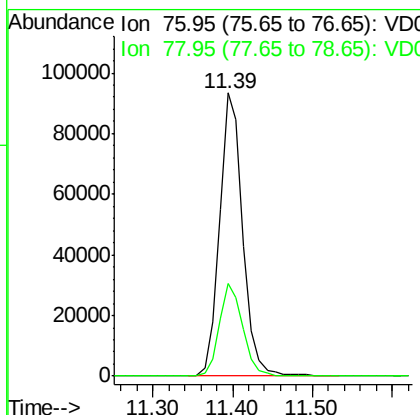
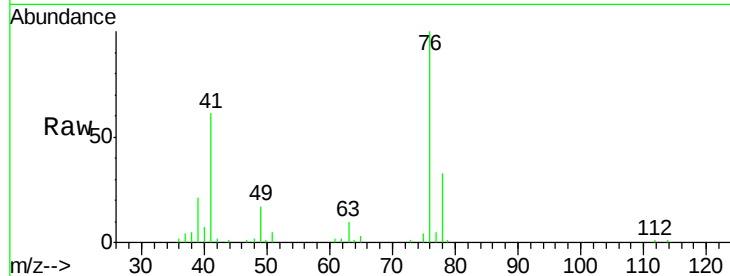




#57
 1,3-Dichloropropane
 Concen: 26.078 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

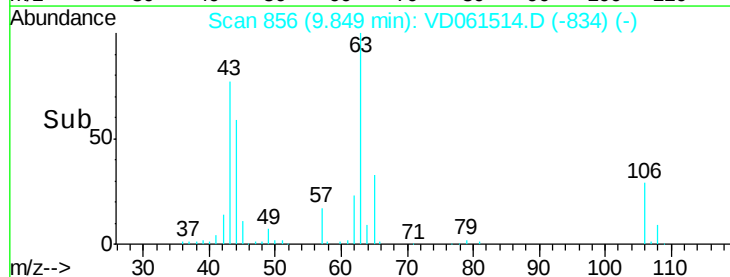
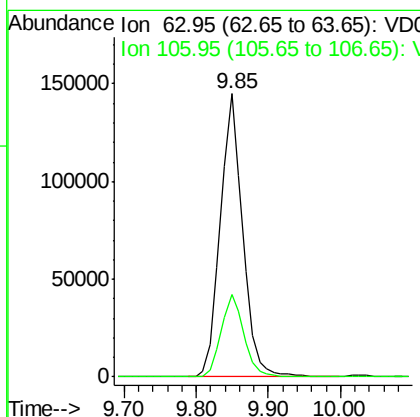
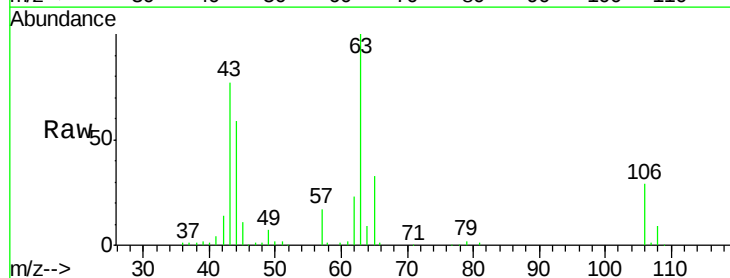
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

Tot Ion: 76 Resp: 190418
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0



#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

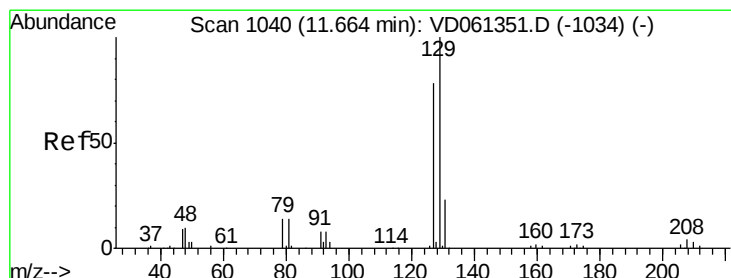
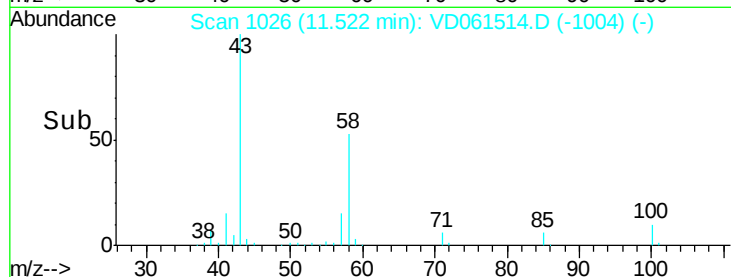
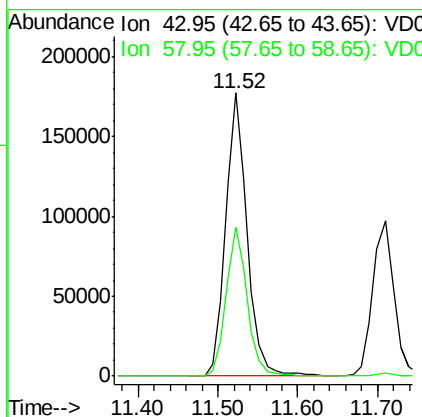
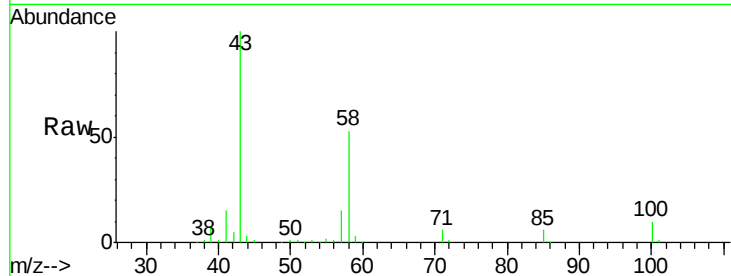




#59
2-Hexanone
Concen: 132.031 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

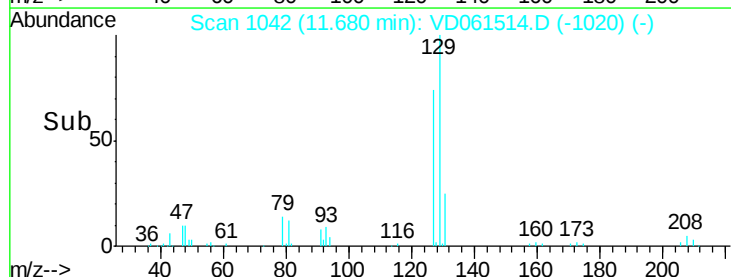
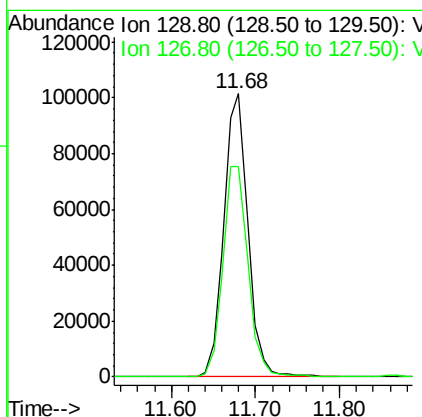
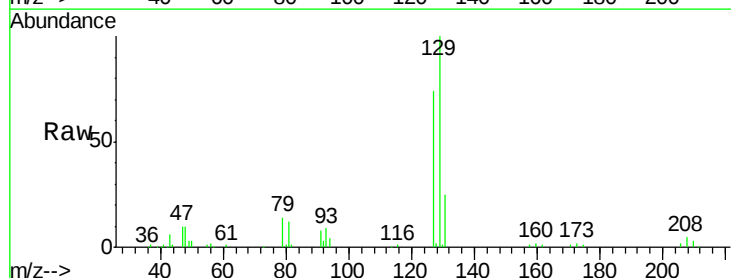
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

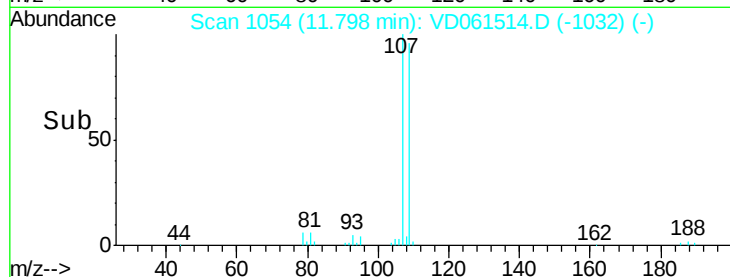
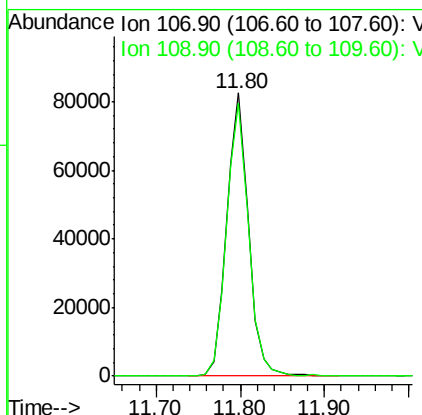
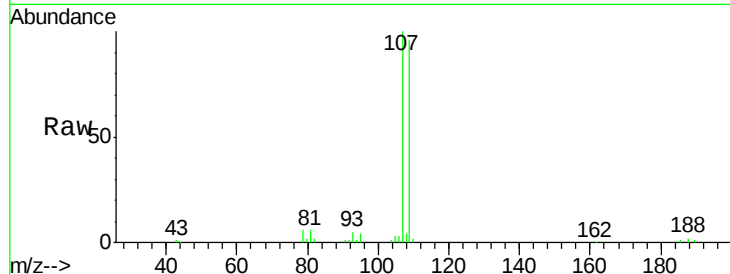




#61
 1,2-Dibromoethane
 Concen: 25.636 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

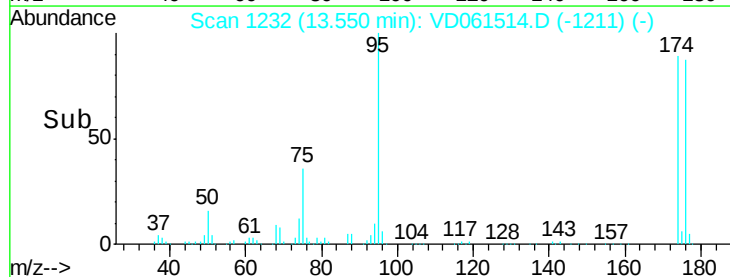
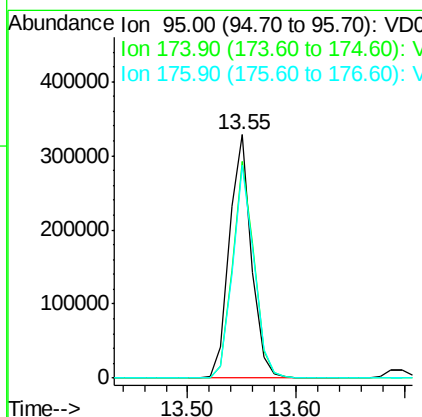
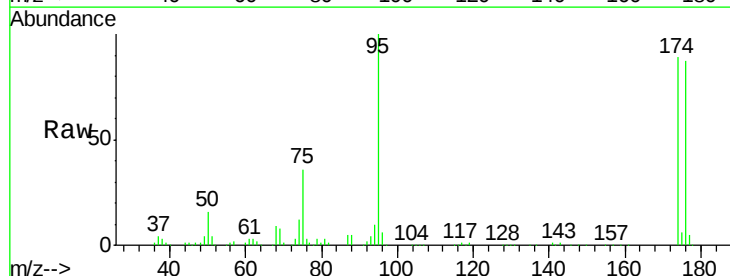
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

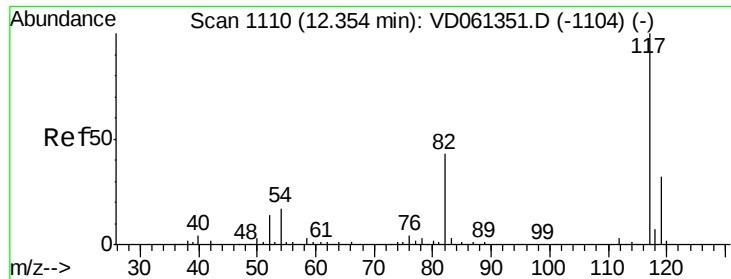
Tot Ion:107 Resp: 147469
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 114.8



#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

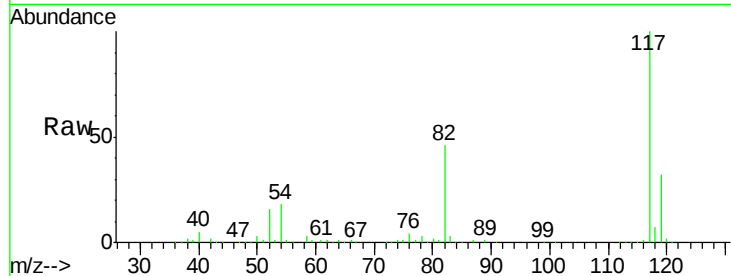




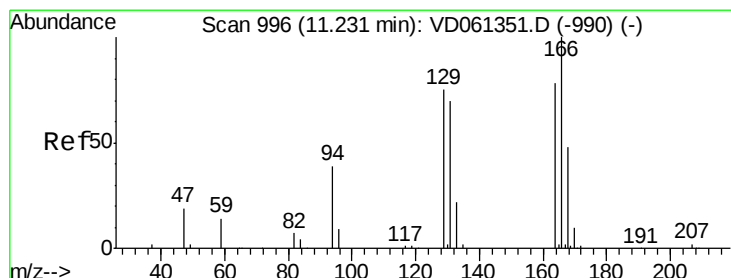
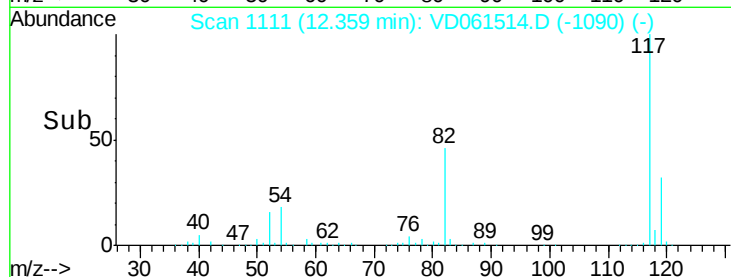
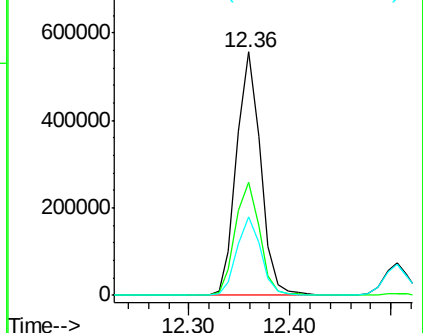
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

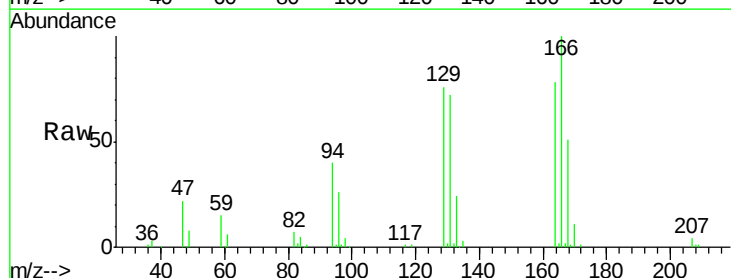


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

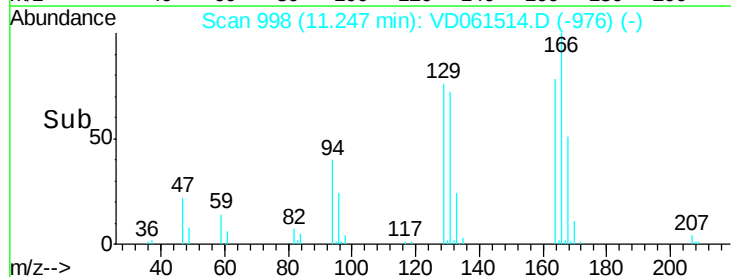
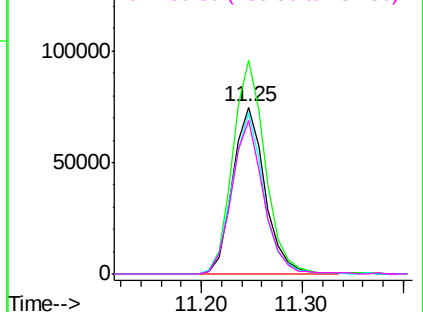


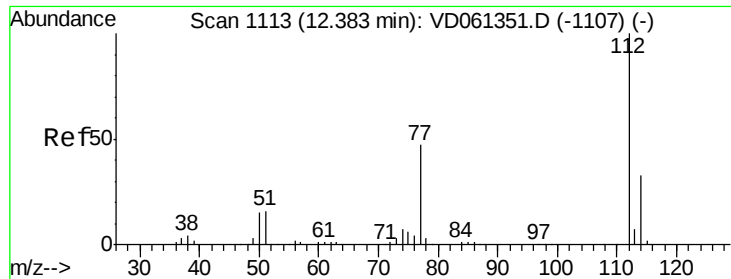
#64
Tetrachloroethene
Concen: 22.944 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.02 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

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

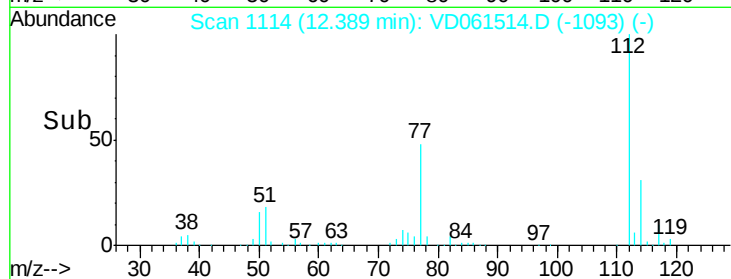
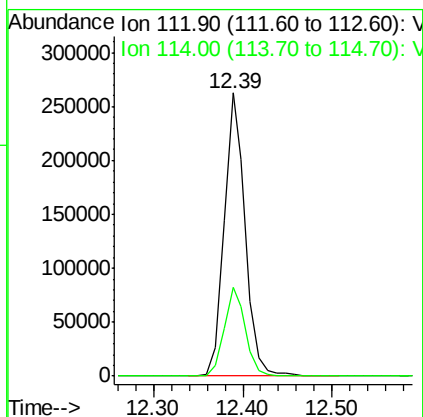
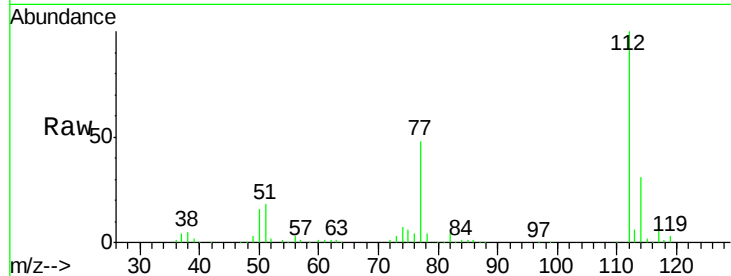




#65
Chlorobenzene
Concen: 22.980 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

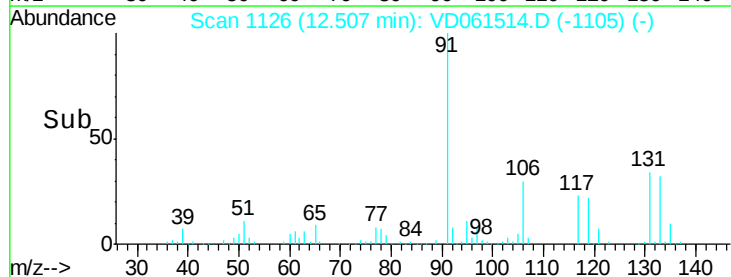
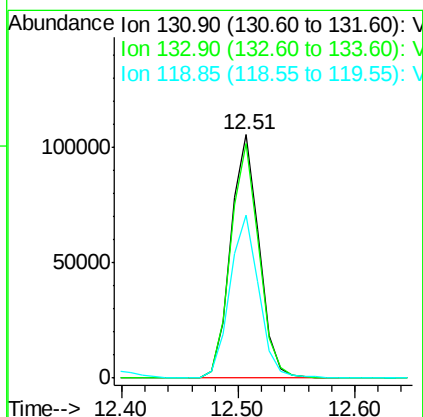
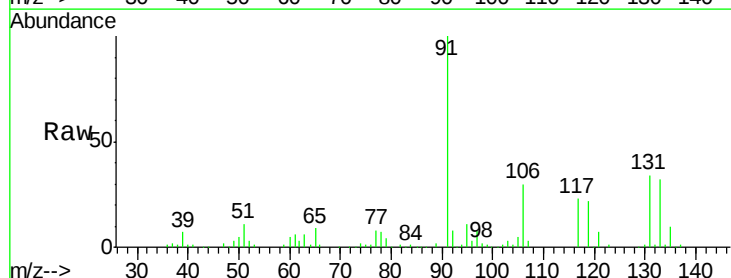
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

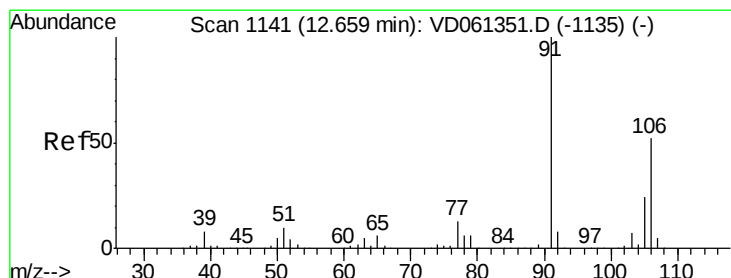
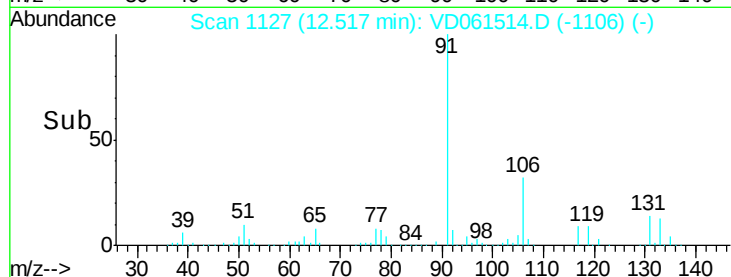
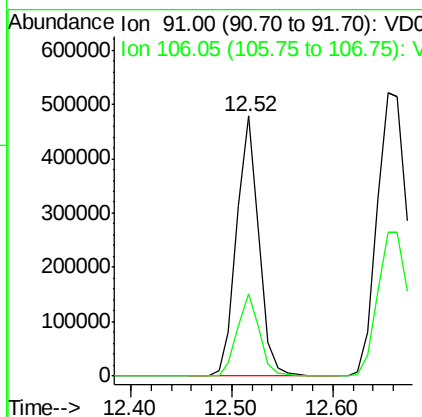
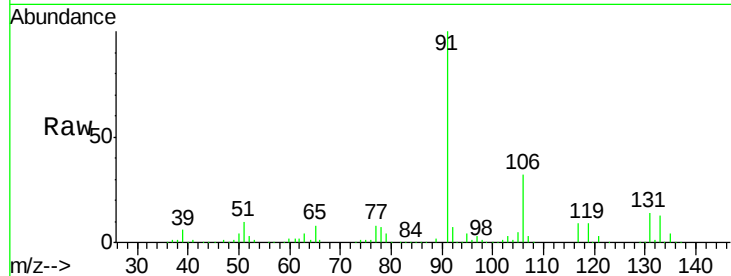




#67
Ethyl Benzene
Concen: 25.221 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

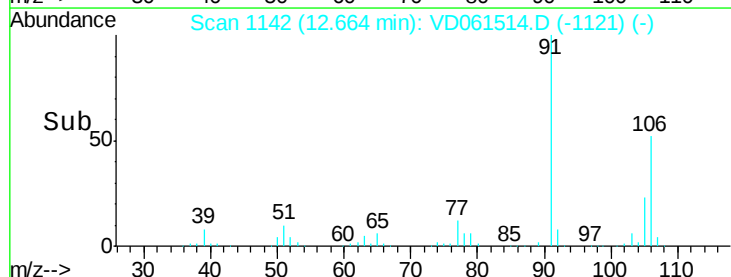
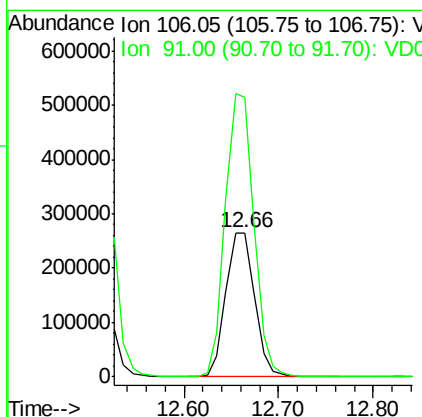
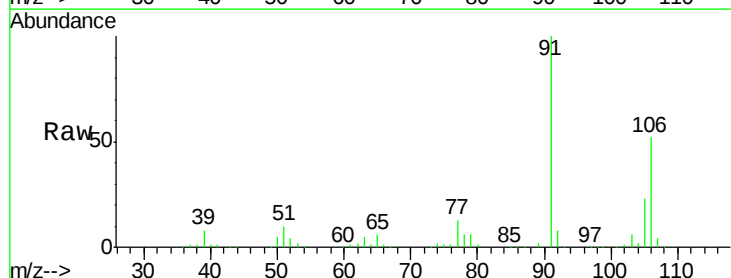
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

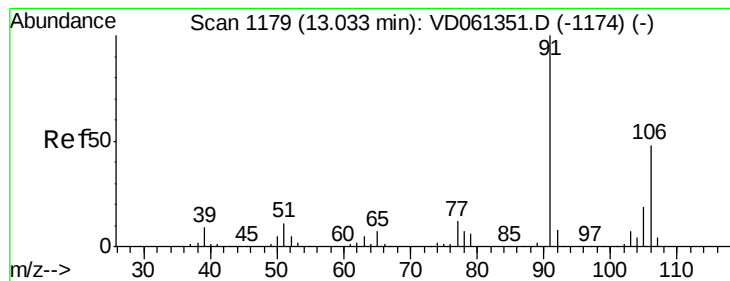
Tot Ion: 91 Resp: 727506
Ion Ratio Lower Upper
91 100
106 31.5 26.1 39.1



#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





#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

ClientSampleId :

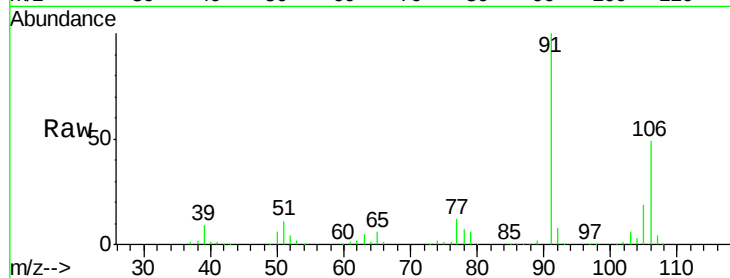
VD0402SBS01

Tot Ion:106 Resp: 271705

Ion Ratio Lower Upper

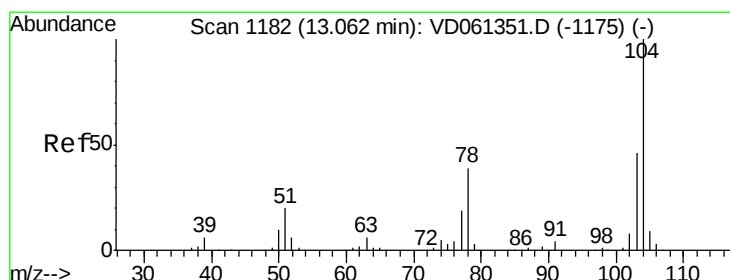
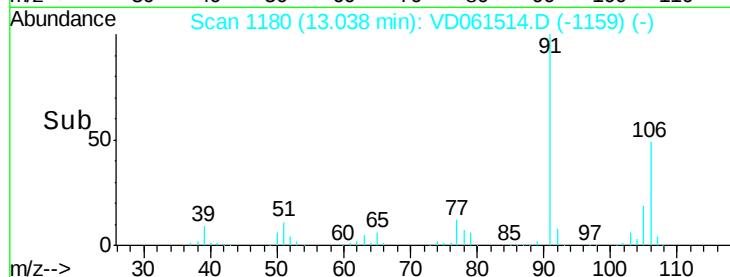
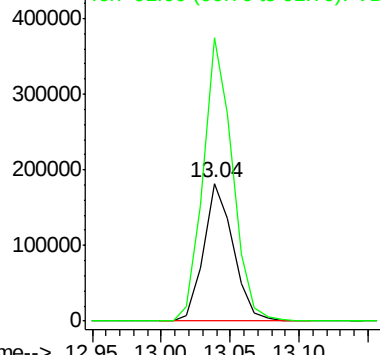
106 100

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): VDC



#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

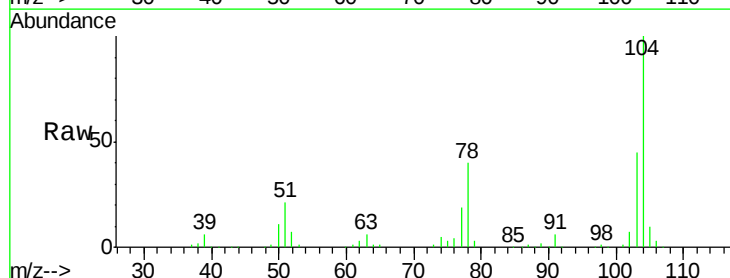
Tgt Ion:104 Resp: 461601

Ion Ratio Lower Upper

104 100

78 40.1 31.0 46.6

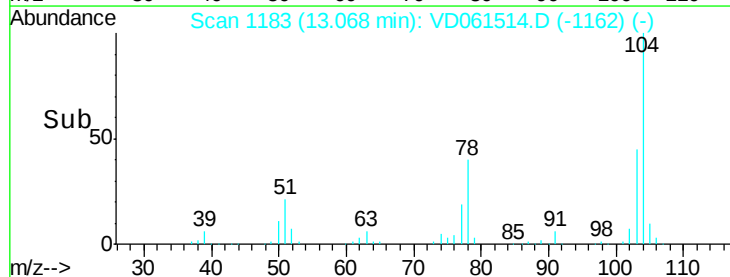
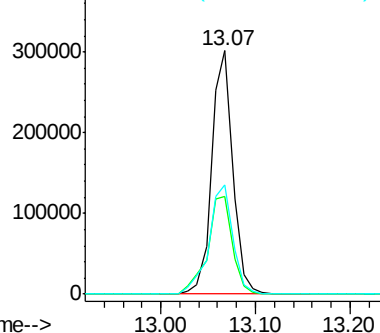
103 45.0 37.0 55.4

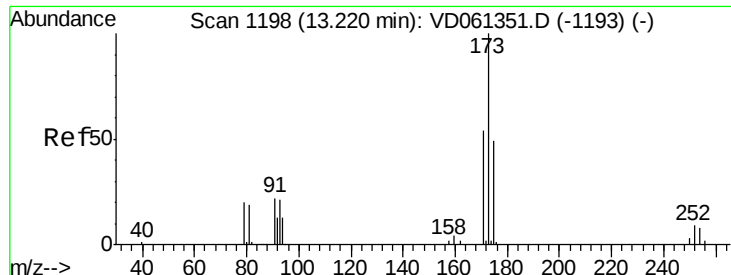


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

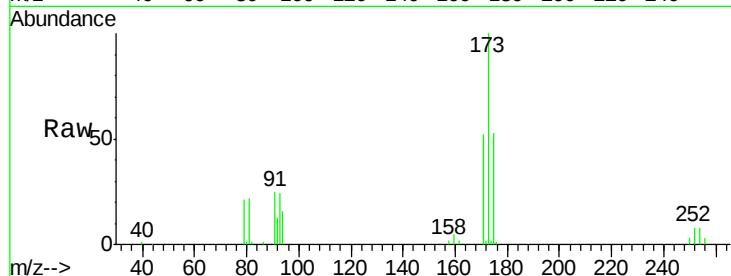




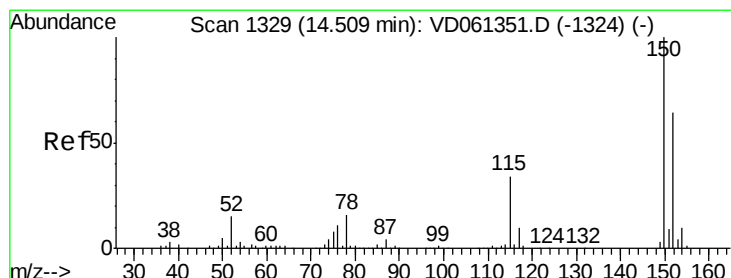
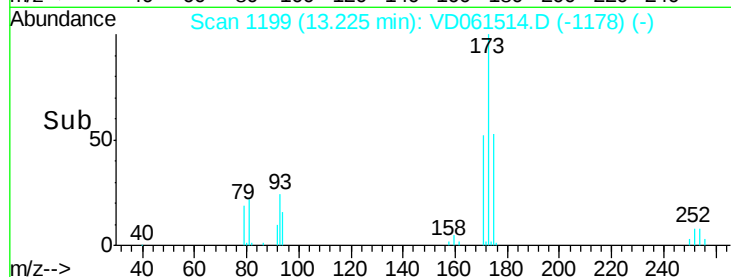
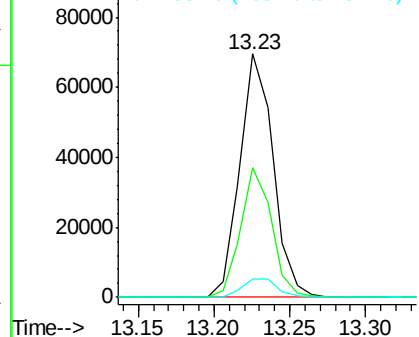
#71
Bromoform
Concen: 22.826 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

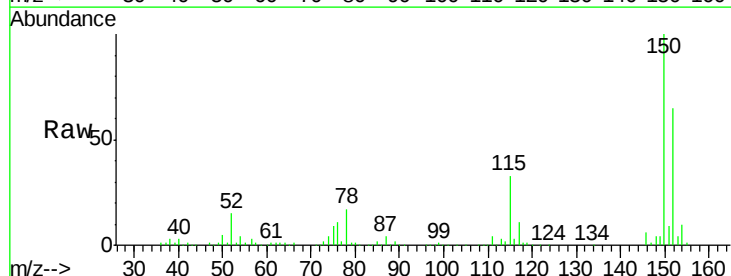


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

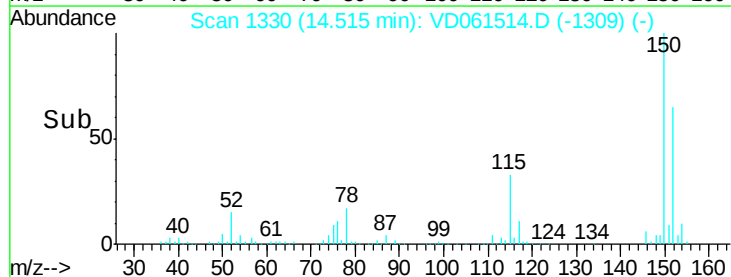
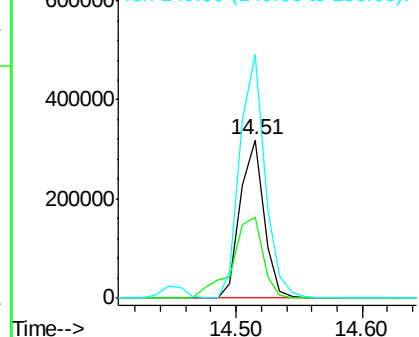


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

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 :

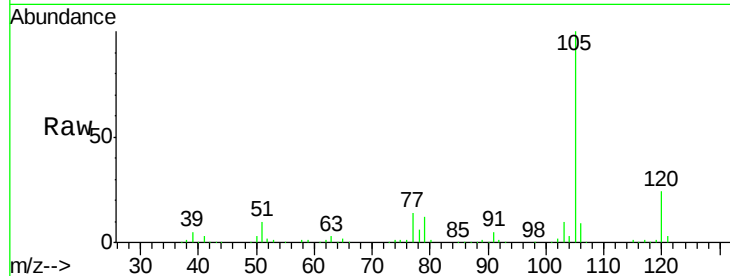
VD0402SBS01

Tot Ion:105 Resp: 685736

Ion Ratio Lower Upper

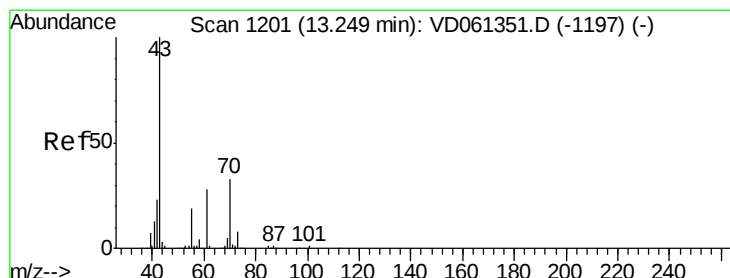
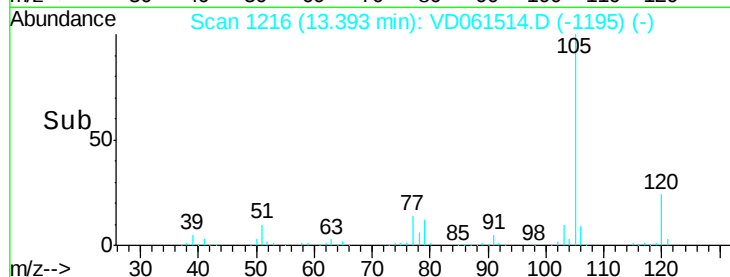
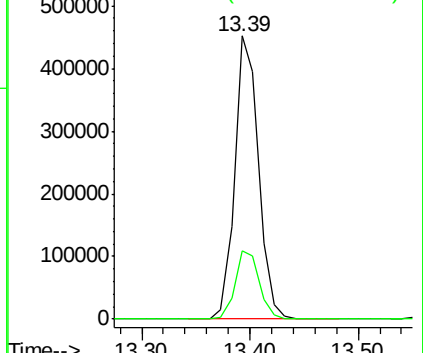
105 100

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

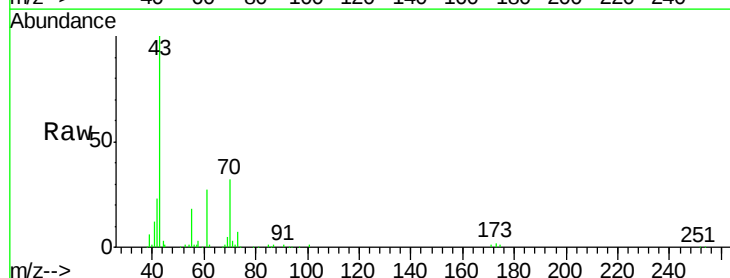
Ion Ratio Lower Upper

43 100

70 32.0 26.6 40.0

55 18.1 15.4 23.2

61 26.9 22.2 33.4

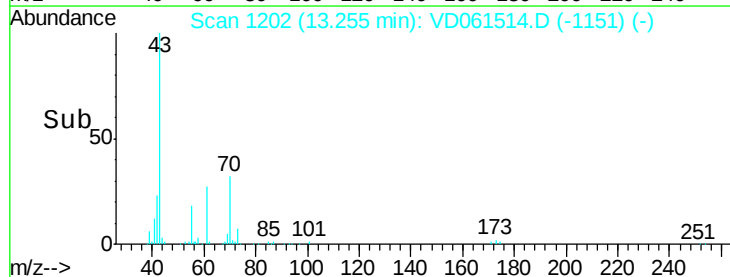
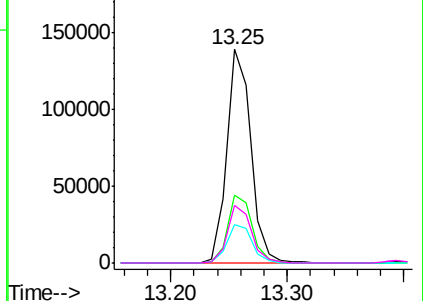


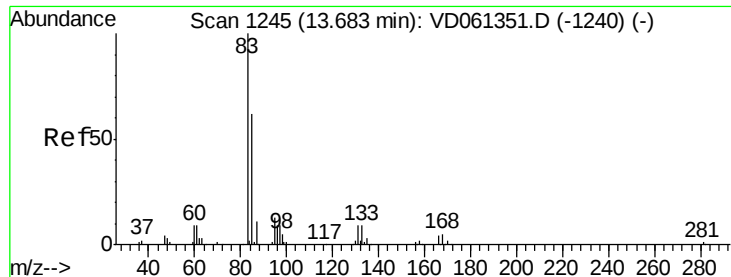
Abundance Ion 42.95 (42.65 to 43.65): V

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

ClientSampleId :

VD0402SBS01

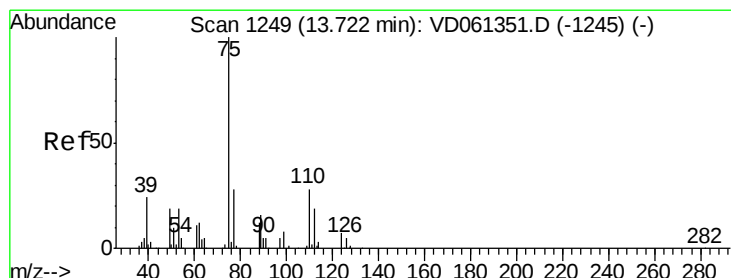
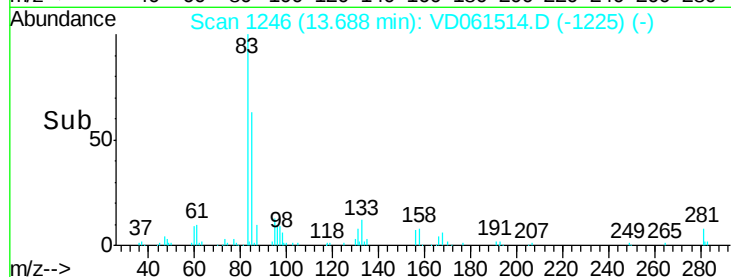
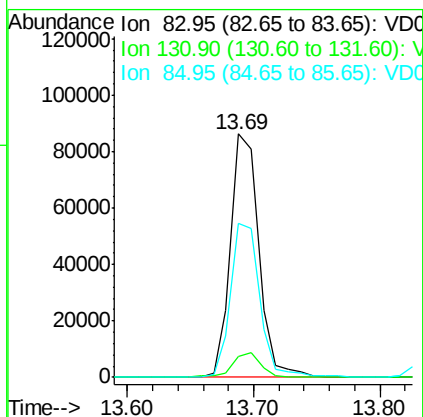
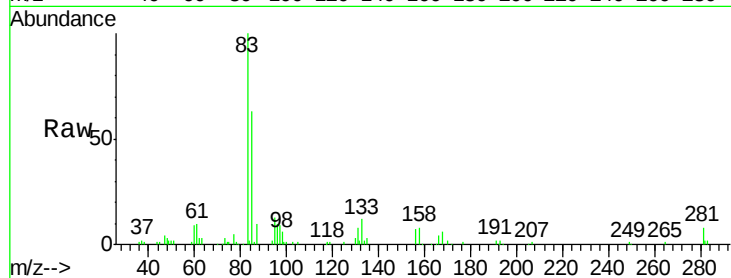
Tot Ion: 83 Resp: 133515

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



#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

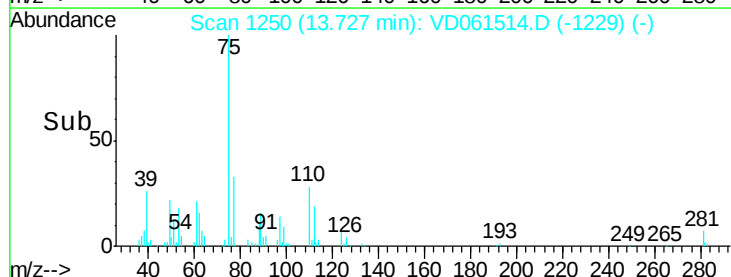
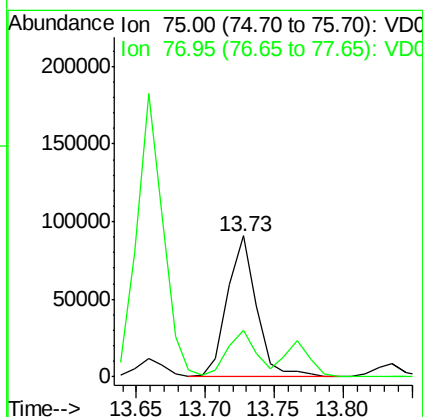
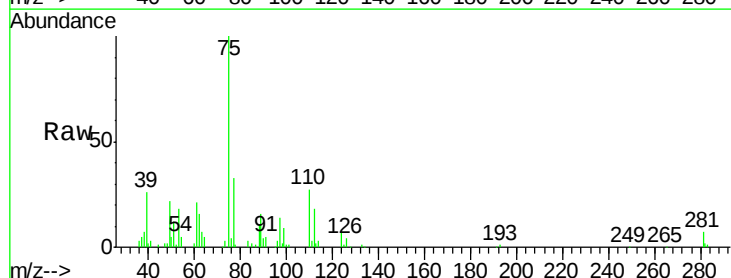
Acq: 2 Apr 2019 15:11

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





#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 :

VD0402SBS01

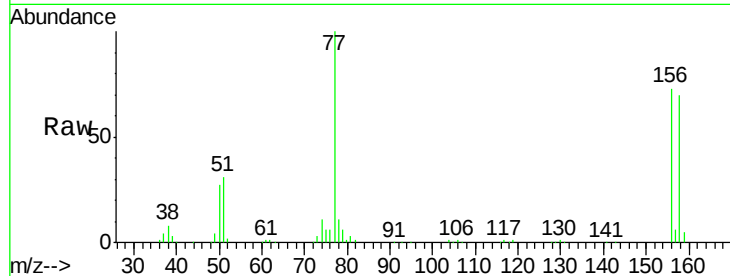
Tot Ion:156 Resp: 197683

Ion Ratio Lower Upper

156 100

77 136.8 68.5 205.6

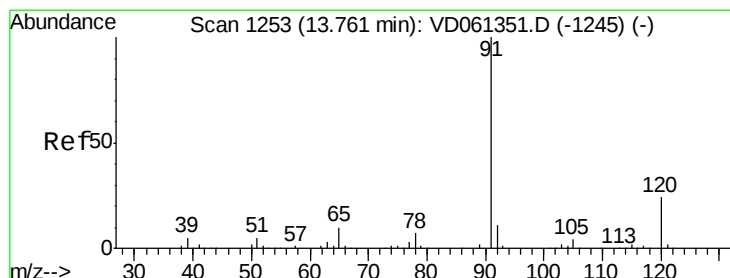
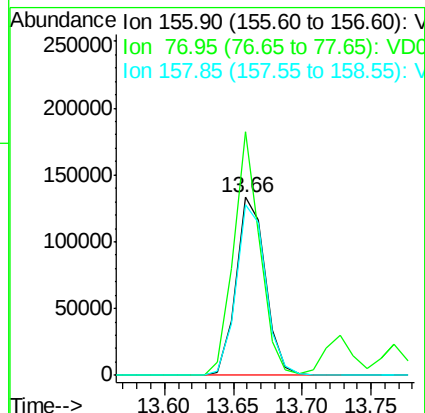
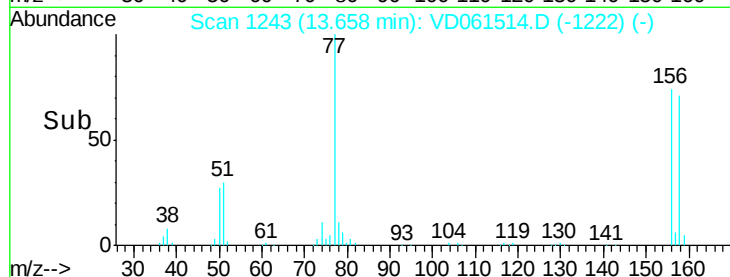
158 95.5 49.1 147.3



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

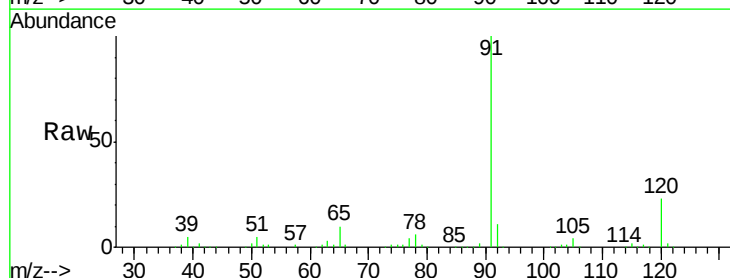
Acq: 2 Apr 2019 15:11

Tgt Ion: 91 Resp: 838543

Ion Ratio Lower Upper

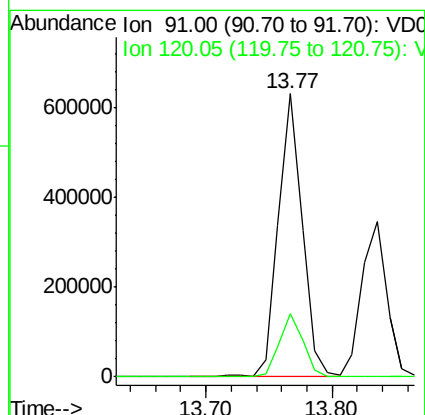
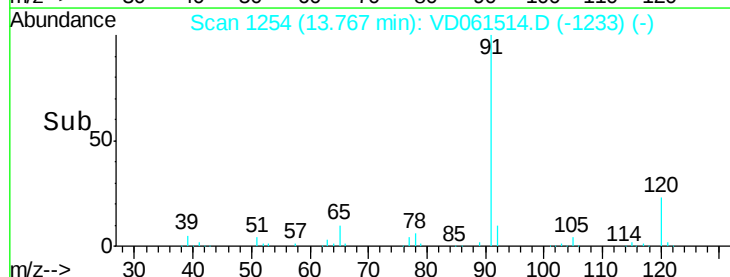
91 100

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 :

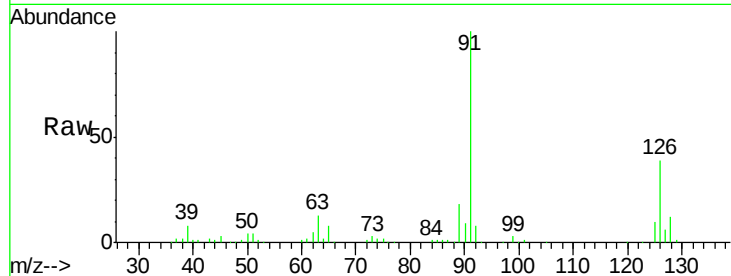
VD0402SBS01

Tot Ion: 91 Resp: 476027

Ion Ratio Lower Upper

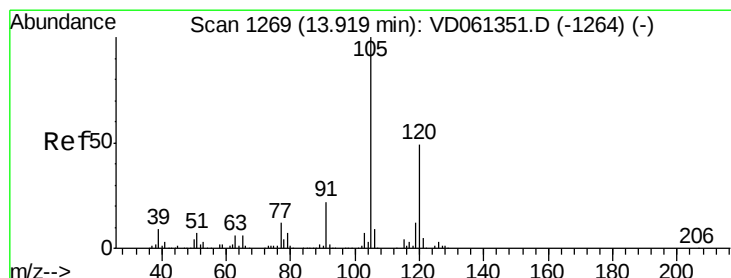
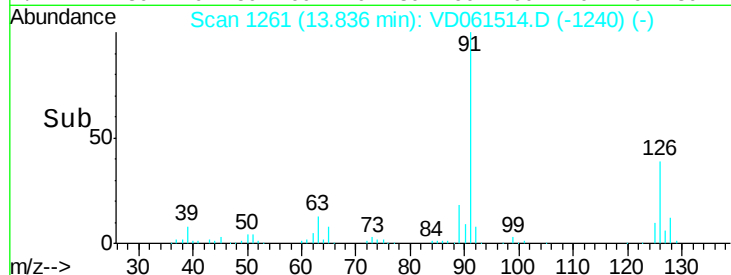
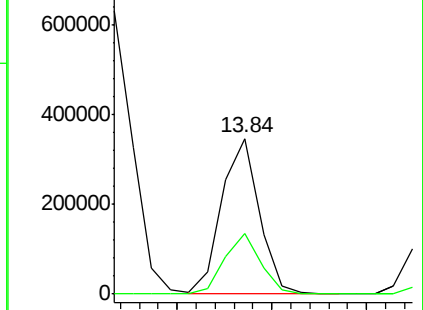
91 100

126 38.8 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 25.505 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061514.D

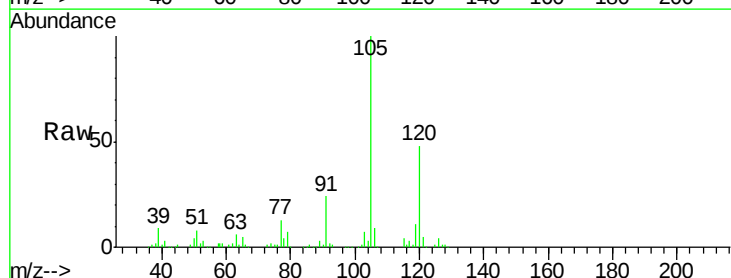
Acq: 2 Apr 2019 15:11

Tgt Ion:105 Resp: 569789

Ion Ratio Lower Upper

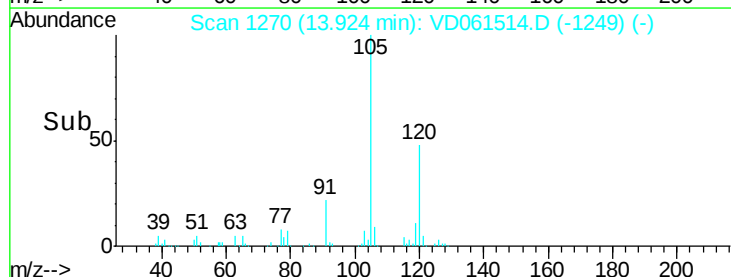
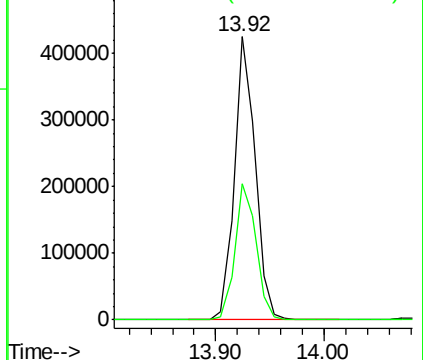
105 100

120 48.3 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 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 :

VD0402SBS01

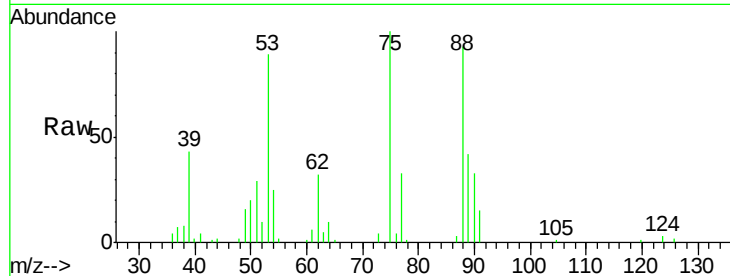
Tot Ion: 75 Resp: 42397

Ion Ratio Lower Upper

75 100

53 89.1 63.8 95.8

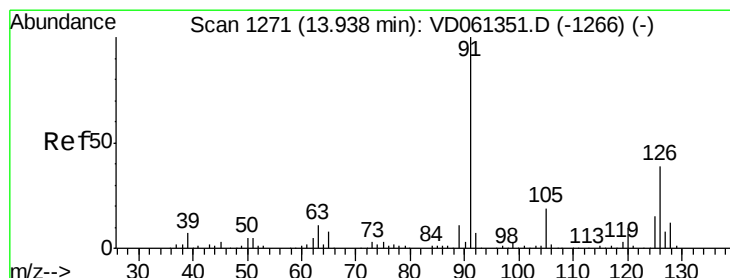
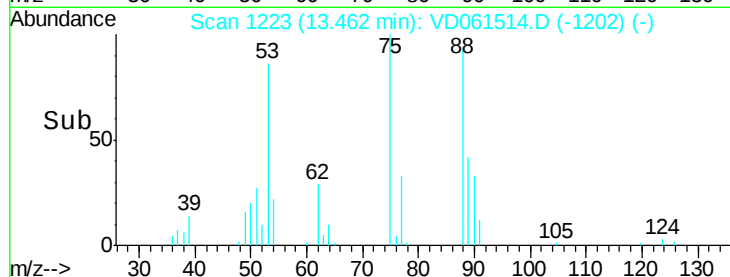
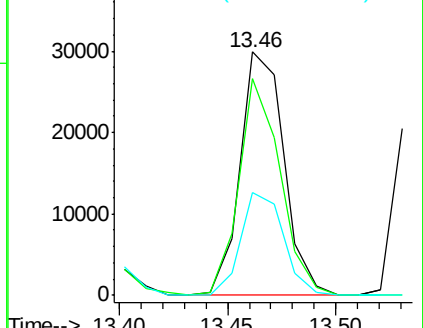
89 42.3 30.5 45.7



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

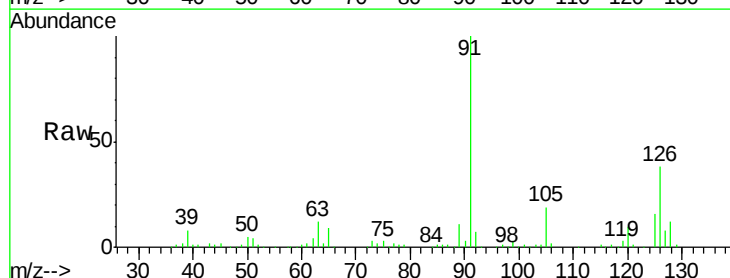
Acq: 2 Apr 2019 15:11

Tgt Ion: 91 Resp: 547059

Ion Ratio Lower Upper

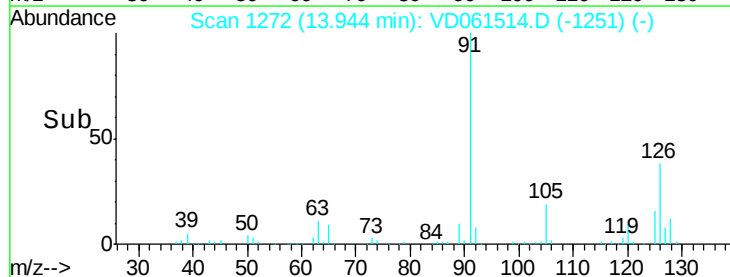
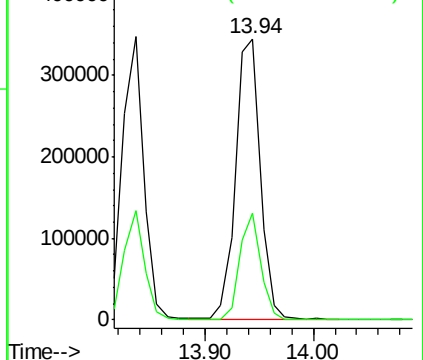
91 100

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

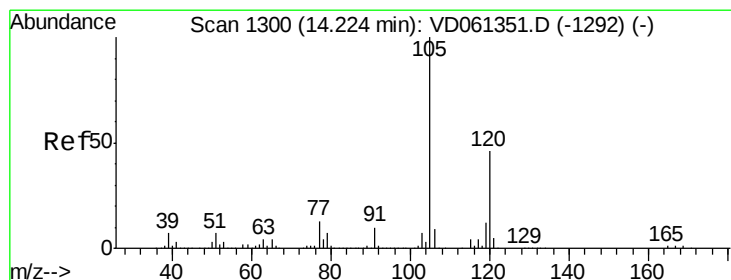
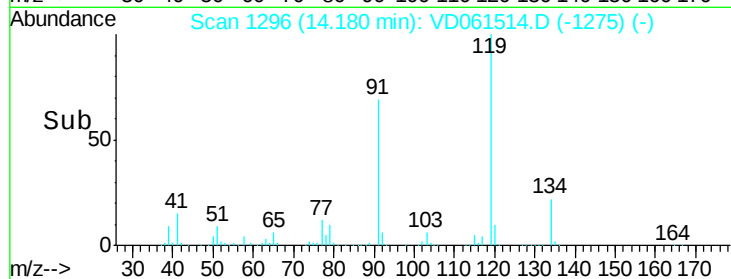
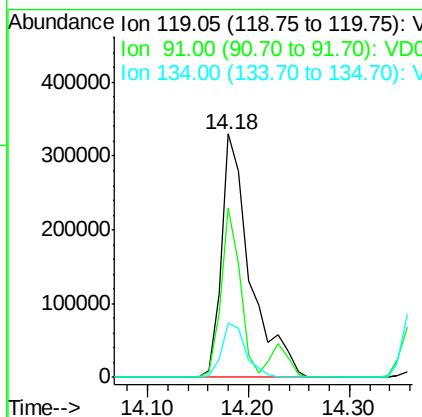
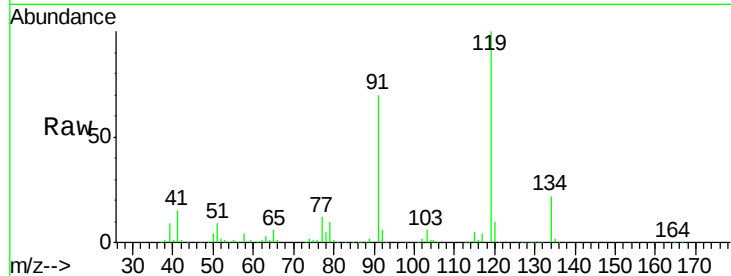




#83
 tert-Butylbenzene
 Concen: 23.503 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

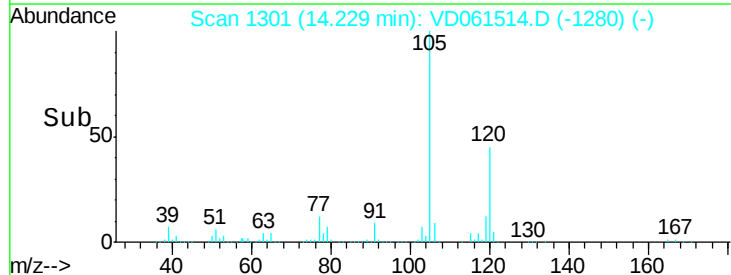
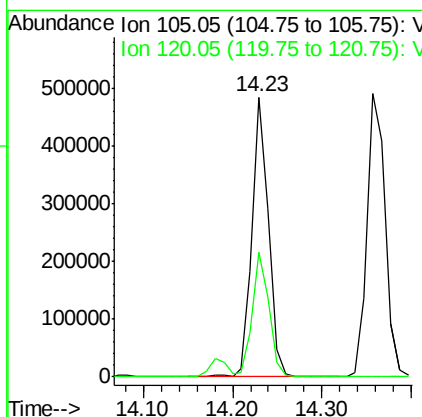
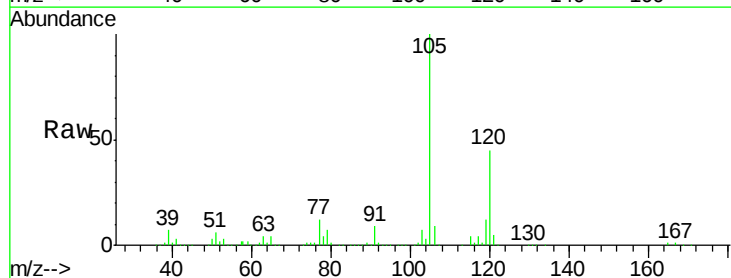
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

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

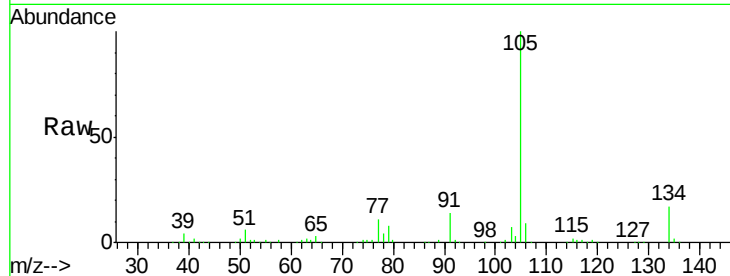




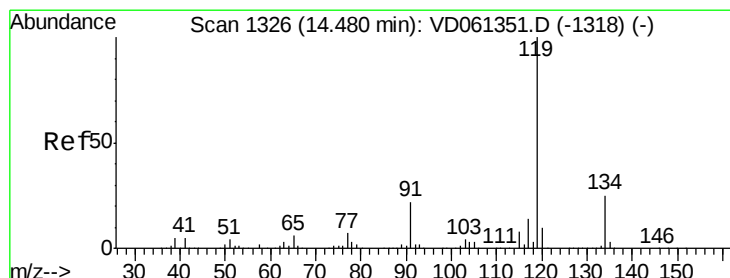
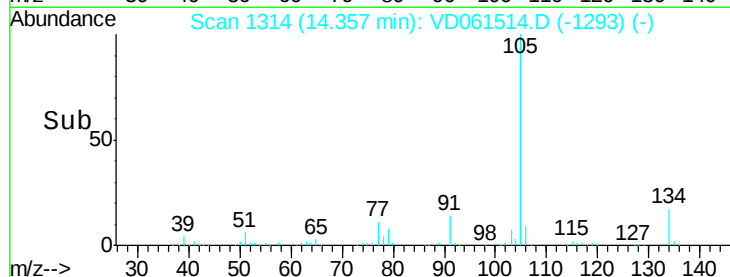
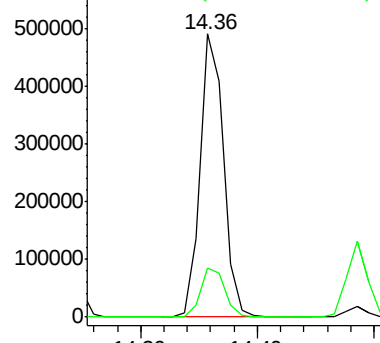
#85
 sec-Butylbenzene
 Concen: 23.042 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

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

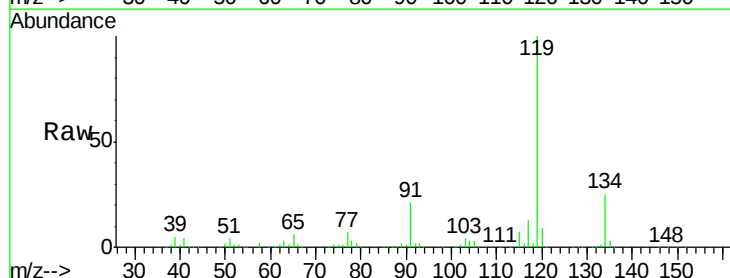


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

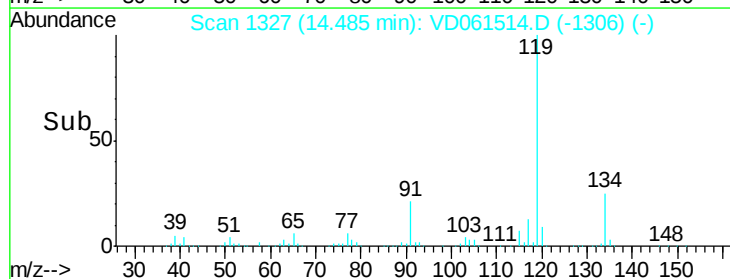
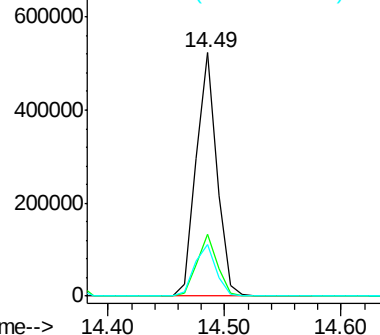


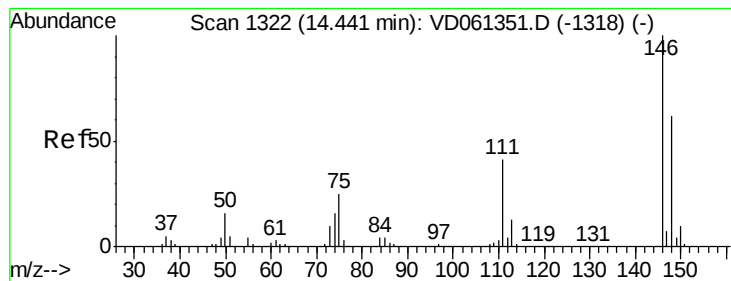
#86
 p-Isopropyltoluene
 Concen: 25.769 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

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 :

VD0402SBS01

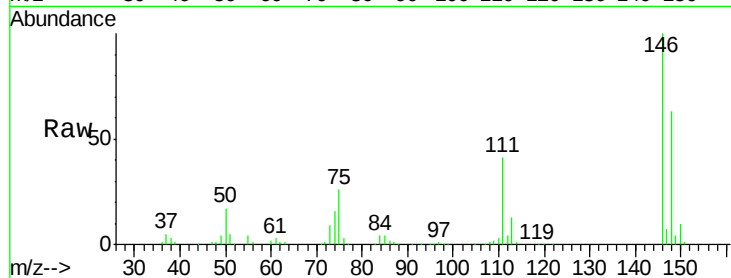
Tot Ion:146 Resp: 346893

Ion Ratio Lower Upper

146 100

111 40.7 20.6 61.9

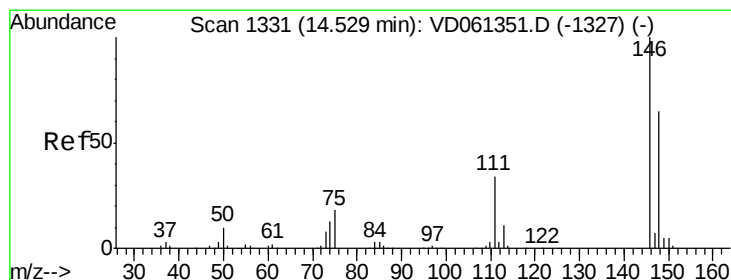
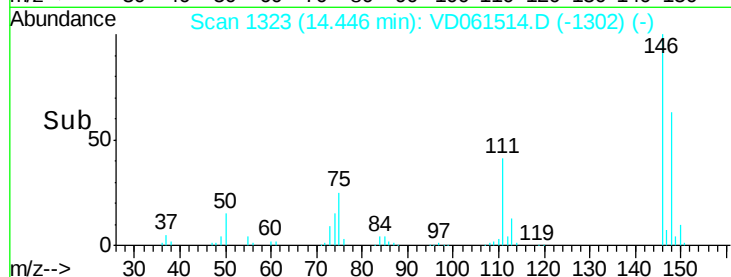
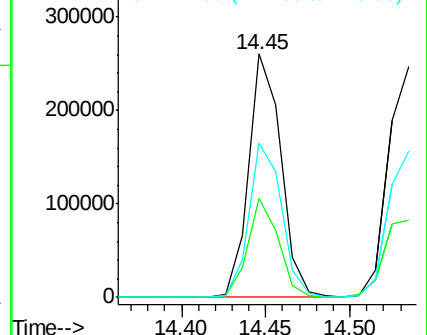
148 63.4 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 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

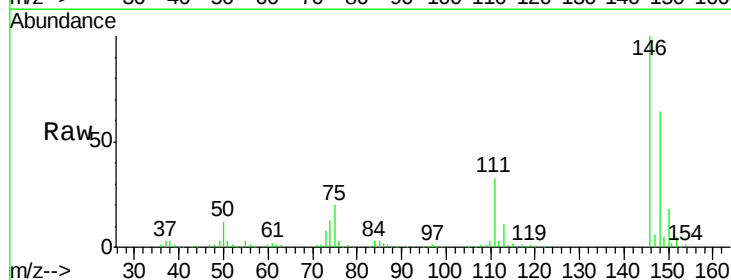
Tgt Ion:146 Resp: 327446

Ion Ratio Lower Upper

146 100

111 33.4 16.8 50.4

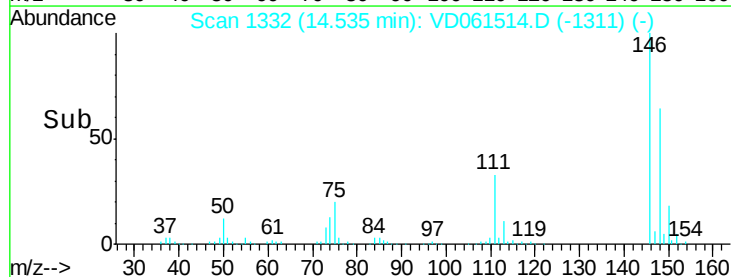
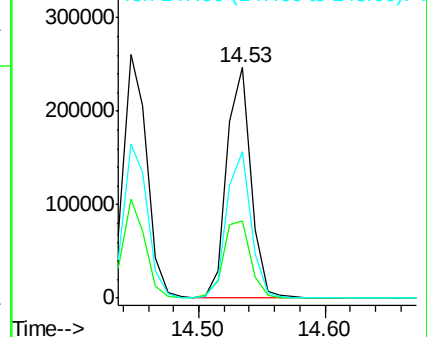
148 63.5 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

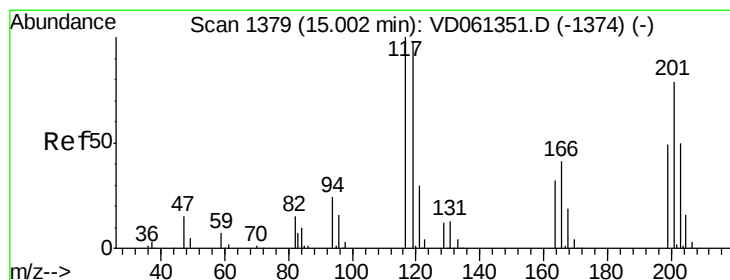
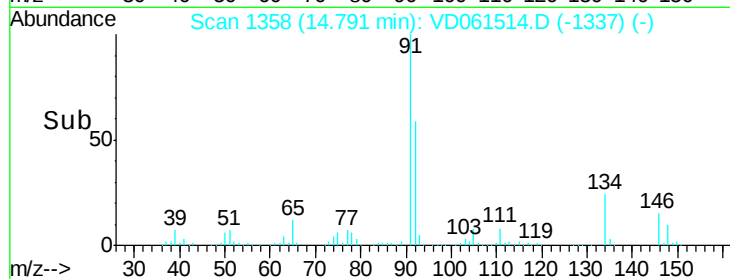
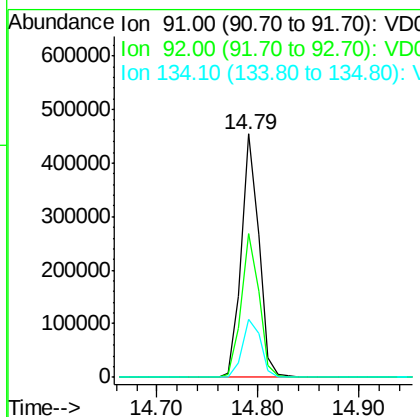
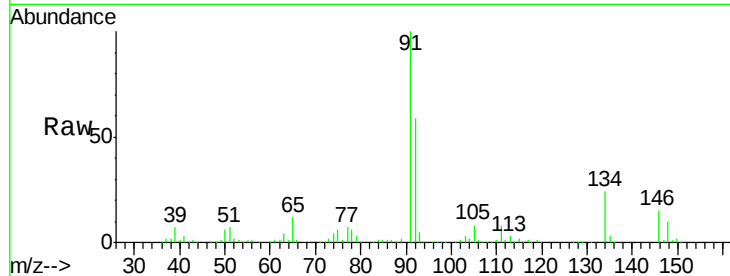




#89
n-Butylbenzene
Concen: 23.941 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

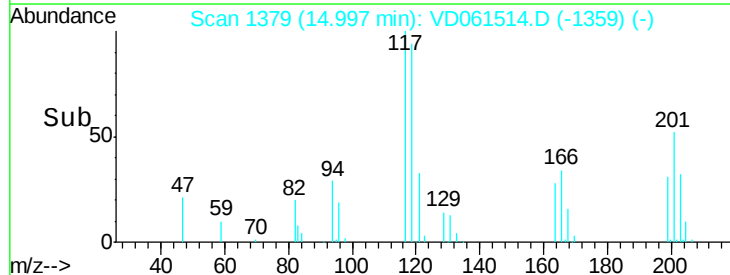
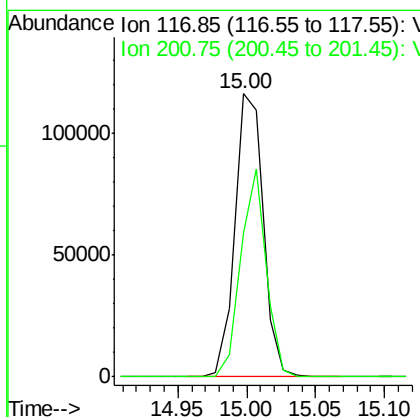
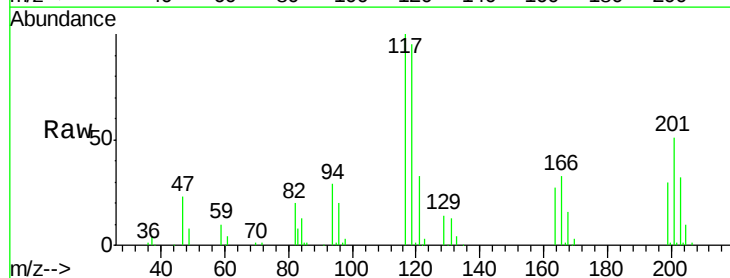
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

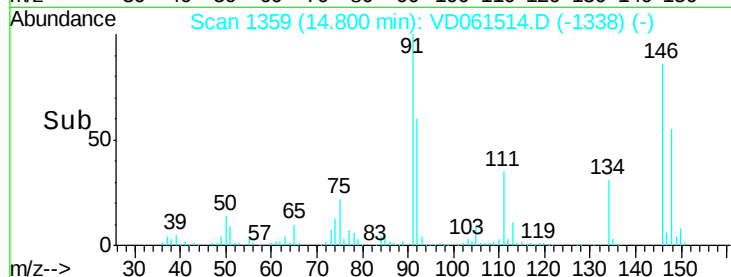
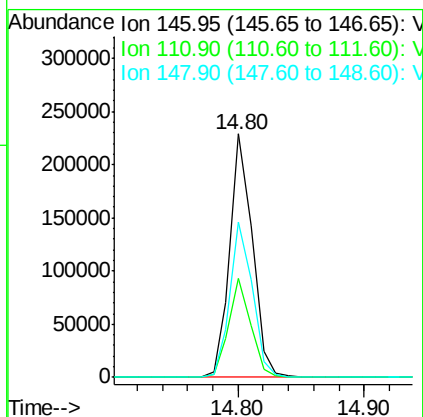
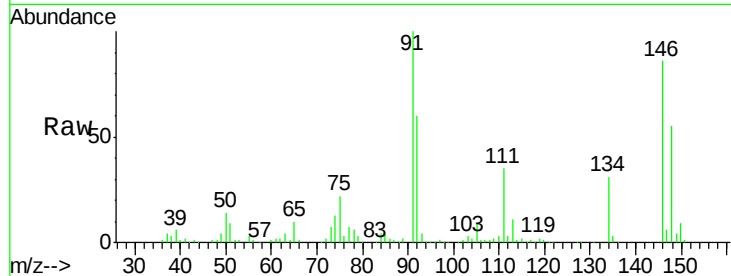




#91
 1,2-Dichlorobenzene
 Concen: 23.789 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

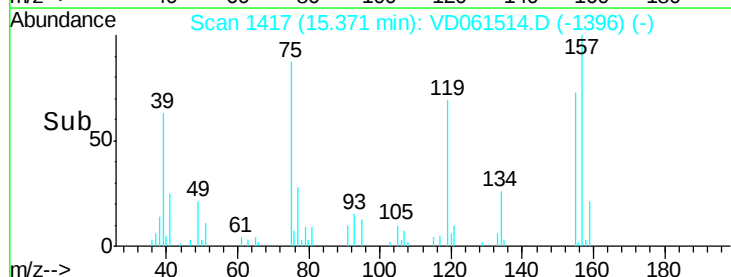
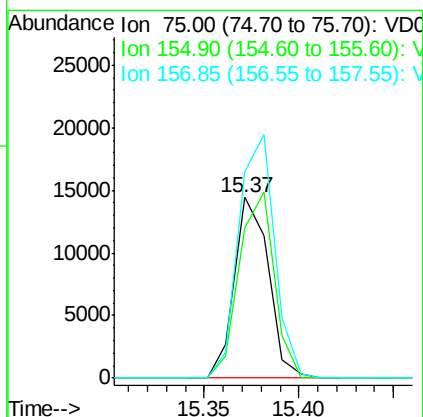
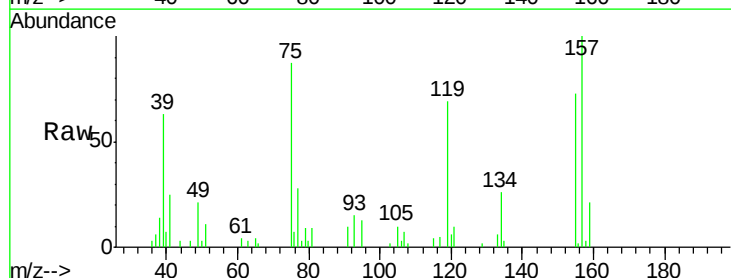
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

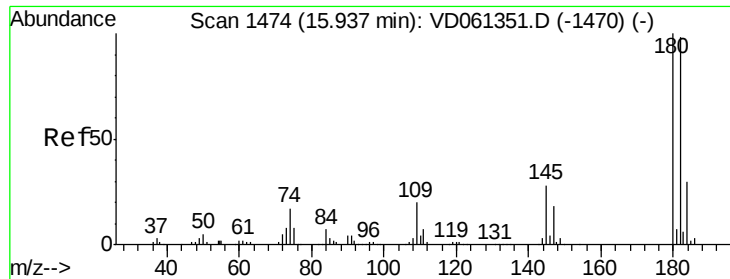
Tot Ion:146 Resp: 282056
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.2 63.6
 148 63.8 31.6 95.0



#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

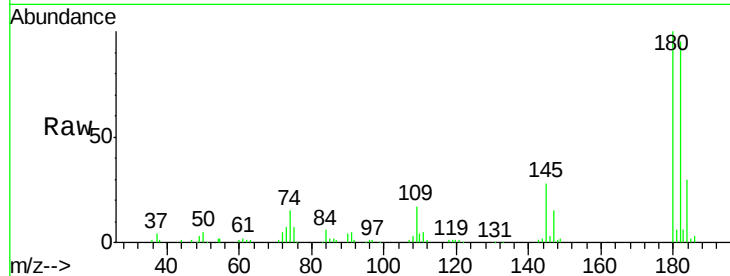




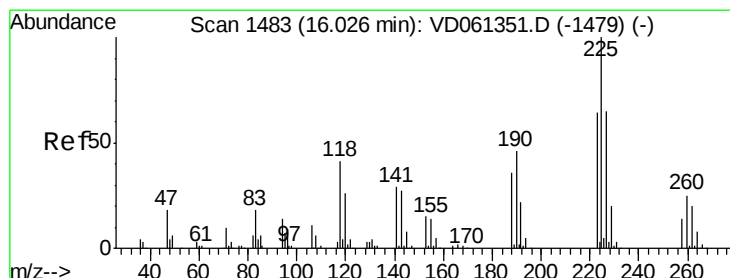
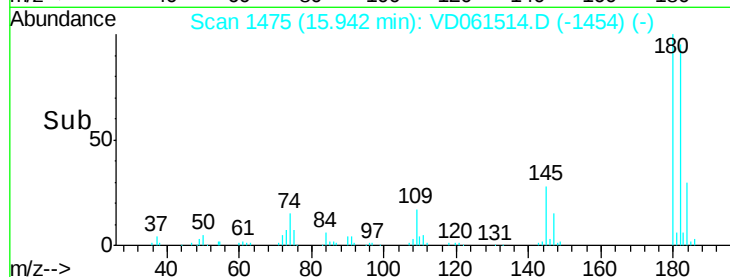
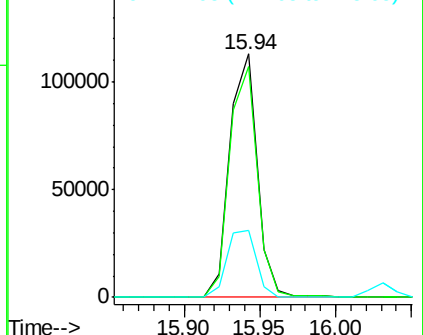
#93
 1,2,4-Trichlorobenzene
 Concen: 26.373 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

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

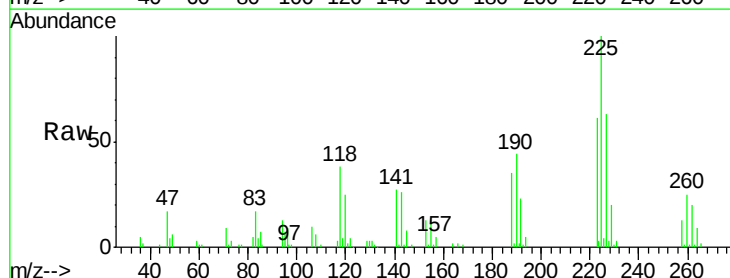


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

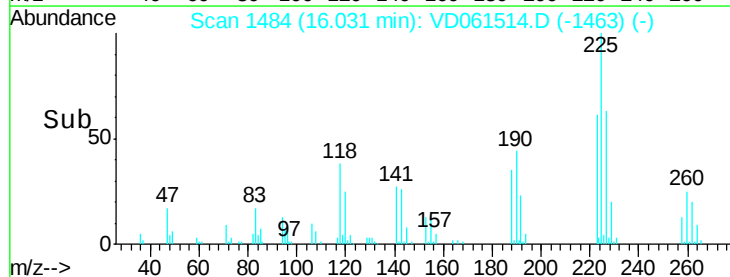
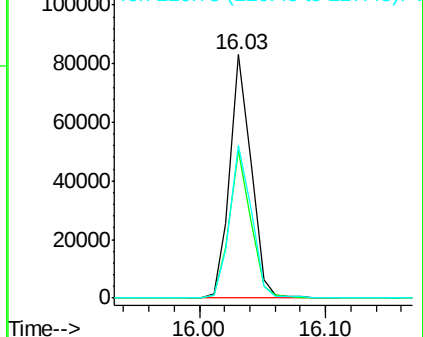


#94
 Hexachlorobutadiene
 Concen: 23.116 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061514.D
 Acq: 2 Apr 2019 15:11

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

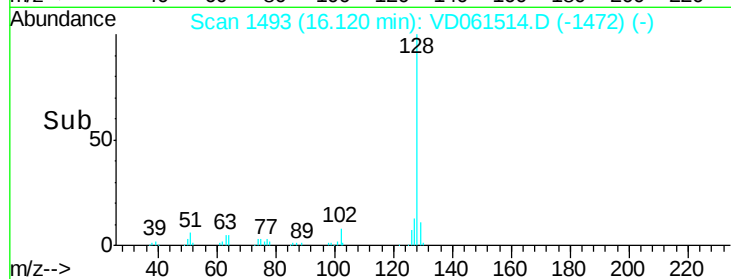
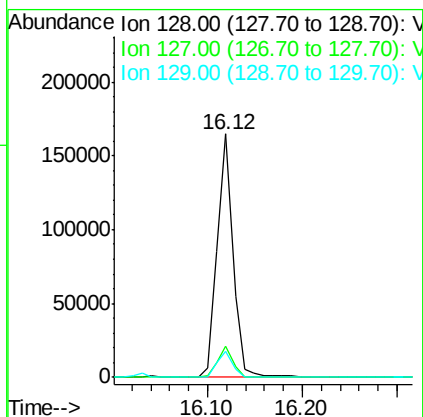
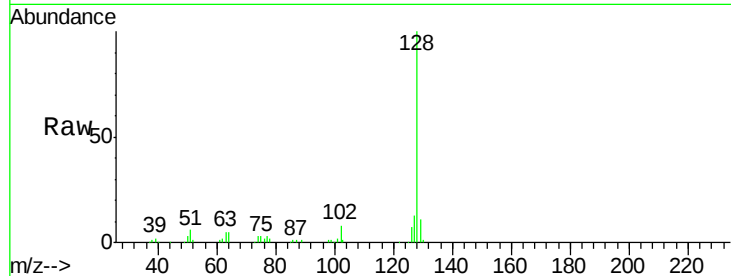




#95
Naphthalene
Concen: 23.263 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061514.D
Acq: 2 Apr 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

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

