

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061557.D
 Acq On : 3 Apr 2019 15:57
 Operator : VA/AP
 Sample : VD0403SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Quant Time: Apr 04 01:46:14 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	7.05	168	640043	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1029945	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	803200	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	408623	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	271479	49.65	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	99.30%	
35) Dibromofluoromethane	6.93	113	421700	53.58	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	107.16%	
50) Toluene-d8	10.42	98	990433	52.47	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	13.56	95	382347	52.82	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	105.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	139506	20.409	ug/l	96
3) Chloromethane	1.76	50	120014	21.529	ug/l	100
4) Vinyl Chloride	1.85	62	114414	22.353	ug/l	100
5) Bromomethane	2.15	94	18363	18.092	ug/l	93
6) Chloroethane	2.26	64	32280	21.505	ug/l	100
7) Trichlorofluoromethane	2.53	101	162688	21.858	ug/l	99
8) Diethyl Ether	2.88	74	49329	20.585	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	174506	21.808	ug/l	100
10) Methyl Iodide	3.31	142	205877	19.217	ug/l	98
11) Tert butyl alcohol	4.07	59	37049	108.808	ug/l	97
12) 1,1-Dichloroethene	3.13	96	146981	21.395	ug/l	97
13) Acrolein	3.04	56	21560	66.265	ug/l	97
14) Allyl chloride	3.63	41	211563	22.079	ug/l	98
15) Acrylonitrile	4.20	53	136826	115.777	ug/l	95
16) Acetone	3.22	43	154114	109.650	ug/l	99
17) Carbon Disulfide	3.38	76	449539	20.140	ug/l	100
18) Methyl Acetate	3.65	43	67830	22.953	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	267367	22.483	ug/l	98
20) Methylene Chloride	3.82	84	216414	26.587	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	166526	22.452	ug/l	98
22) Diisopropyl ether	5.12	45	487826	24.058	ug/l	99
23) Vinyl Acetate	5.06	43	1274578	115.719	ug/l	99
24) 1,1-Dichloroethane	4.99	63	263485	22.111	ug/l	100
25) 2-Butanone	6.07	43	194259	109.874	ug/l	97
26) 2,2-Dichloropropane	6.03	77	218075	23.021	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	178656	21.985	ug/l	98
28) Bromochloromethane	6.44	49	91861	19.096	ug/l	# 97
29) Tetrahydrofuran	6.46	42	95200	111.092	ug/l	99
30) Chloroform	6.67	83	277452	22.533	ug/l	99
31) Cyclohexane	6.95	56	199380	21.172	ug/l	89
32) 1,1,1-Trichloroethane	6.87	97	246123	22.657	ug/l	96
36) 1,1-Dichloropropene	7.15	75	210814	23.452	ug/l	97
37) Ethyl Acetate	6.19	43	95408	24.817	ug/l	97
38) Carbon Tetrachloride	7.11	117	240918	23.324	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	8.86	83	223598	23.883	ug/l	97
40) Benzene	7.46	78	480831	21.313	ug/l	97
41) Methacrylonitrile	6.45	41	107846	23.992	ug/l	94
42) 1,2-Dichloroethane	7.58	62	161784	23.974	ug/l	99
43) Isopropyl Acetate	9.24	43	137766	24.629	ug/l	100
44) Trichloroethene	8.55	130	193465	23.043	ug/l	98
45) 1,2-Dichloropropane	8.94	63	125885	22.006	ug/l	99
46) Dibromomethane	9.06	93	90617	23.535	ug/l	90
47) Bromodichloromethane	9.39	83	200125	23.157	ug/l	96
48) Methyl methacrylate	9.12	41	78472	25.420	ug/l	98
49) 1,4-Dioxane	9.09	88	18361	539.243	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	376349	110.591	ug/l	97
52) Toluene	10.51	92	348827	25.345	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	179427	22.852	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	238530	24.949	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	109491	22.747	ug/l	96
56) Ethyl methacrylate	11.05	69	116354	22.502	ug/l	96
57) 1,3-Dichloropropane	11.41	76	165802	23.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	316889	125.841	ug/l	97
59) 2-Hexanone	11.53	43	325886	132.171	ug/l	100
60) Dibromochloromethane	11.69	129	172678	23.271	ug/l	95
61) 1,2-Dibromoethane	11.81	107	135042	24.229	ug/l	100
64) Tetrachloroethene	11.27	164	149243	23.676	ug/l	96
65) Chlorobenzene	12.41	112	412354	25.121	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	159091	25.032	ug/l	98
67) Ethyl Benzene	12.53	91	645903	25.779	ug/l	97
68) m/p-Xylenes	12.67	106	496852	52.350	ug/l	96
69) o-Xylene	13.05	106	255965	27.792	ug/l	99
70) Styrene	13.08	104	441190	27.480	ug/l	98
71) Bromoform	13.23	173	97425	24.182	ug/l	99
73) Isopropylbenzene	13.40	105	650594	22.876	ug/l	97
74) N-amyl acetate	13.26	43	177807	22.443	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	129627	21.607	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	125621	21.282	ug/l	98
77) Bromobenzene	13.68	156	177960	21.107	ug/l	83
78) n-propylbenzene	13.78	91	817978	23.503	ug/l	97
79) 2-Chlorotoluene	13.84	91	423183	22.394	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	485191	21.988	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	35371	19.654	ug/l #	91
82) 4-Chlorotoluene	13.95	91	474256	23.081	ug/l	98
83) tert-Butylbenzene	14.19	119	575475	20.868	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	515187	21.566	ug/l	100
85) sec-Butylbenzene	14.37	105	684166	23.354	ug/l	100
86) p-Isopropyltoluene	14.49	119	578936	23.370	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	328717	23.024	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	323404	23.228	ug/l	99
89) n-Butylbenzene	14.80	91	447895	19.699	ug/l	99
90) Hexachloroethane	15.01	117	145685	20.817	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	242239	20.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15140	21.517	ug/l	94

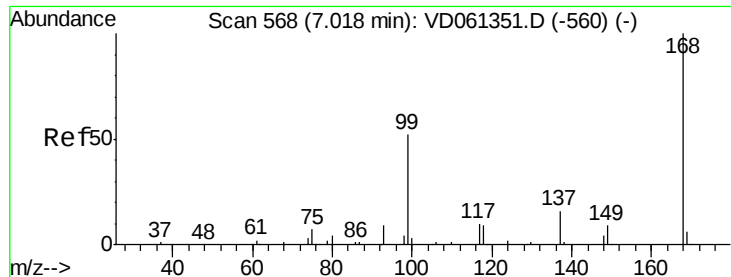
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
Data File : VD061557.D
Acq On : 3 Apr 2019 15:57
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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	137416	25.759	ug/l	98
94) Hexachlorobutadiene	16.04	225	98827	23.707	ug/l	98
95) Naphthalene	16.13	128	220832	27.157	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	69650	29.669	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

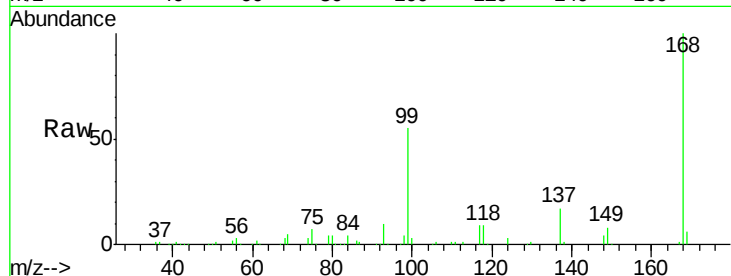
VD0403SBS01

Tot Ion:168 Resp: 640043

Ion Ratio Lower Upper

168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

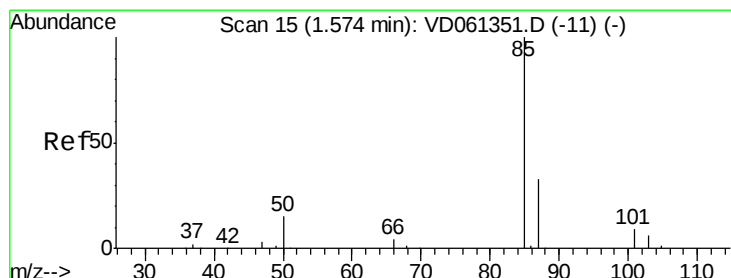
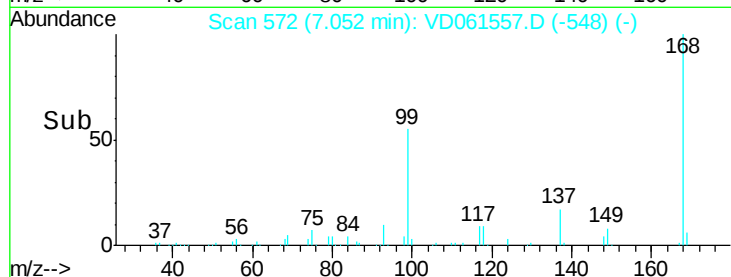
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.409 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061557.D

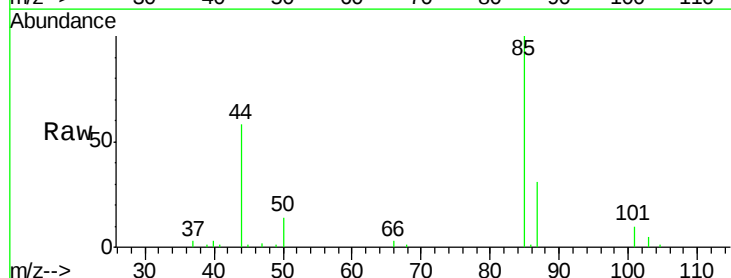
Acq: 3 Apr 2019 15:57

Tgt Ion: 85 Resp: 139506

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

50000

40000

30000

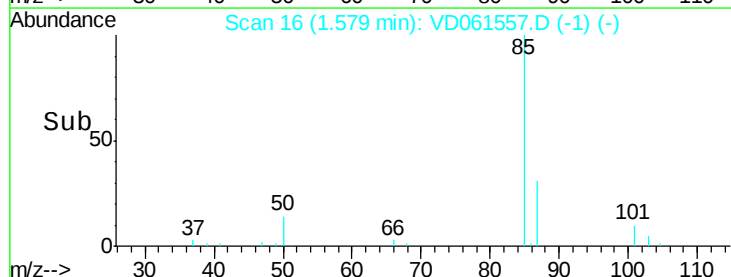
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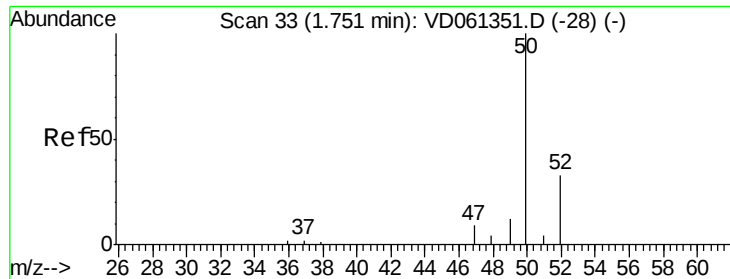
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.529 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

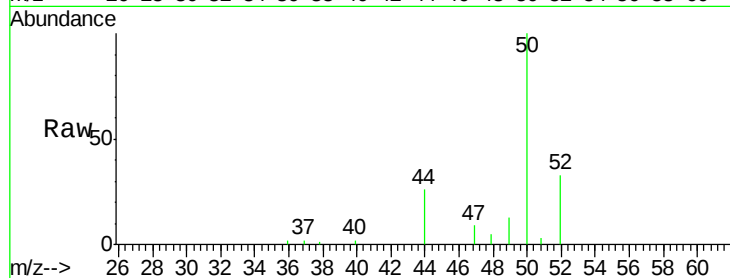
VD0403SBS01

Tot Ion: 50 Resp: 120014

Ion Ratio Lower Upper

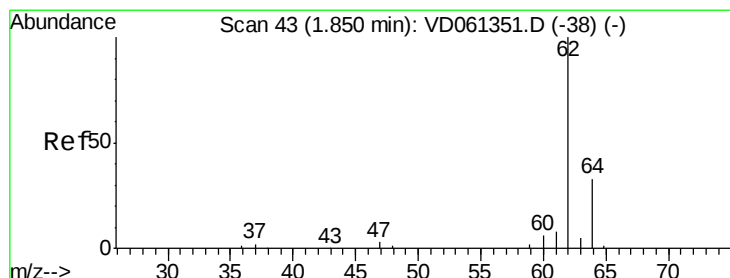
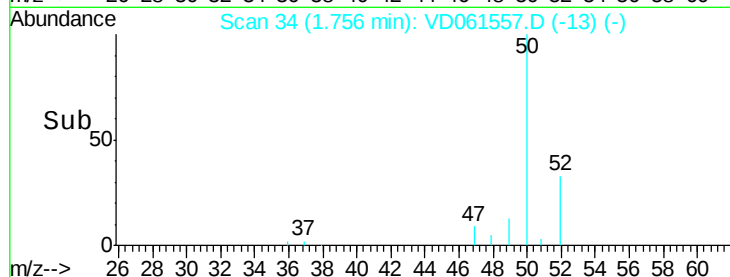
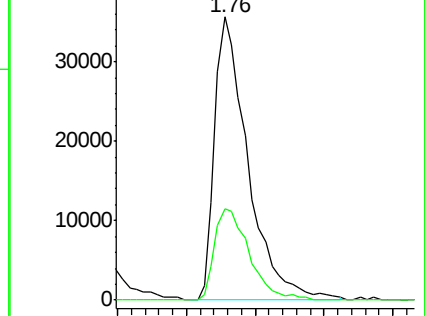
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.353 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061557.D

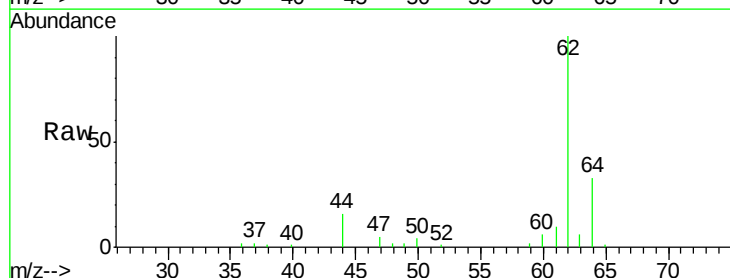
Acq: 3 Apr 2019 15:57

Tgt Ion: 62 Resp: 114414

Ion Ratio Lower Upper

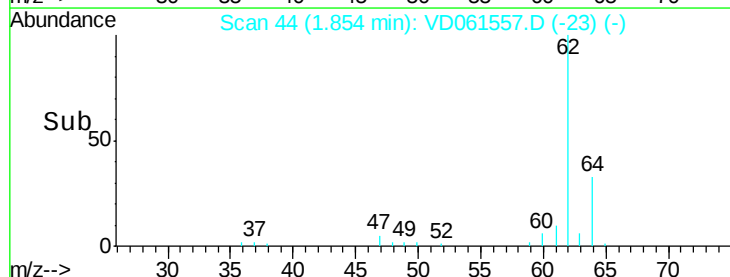
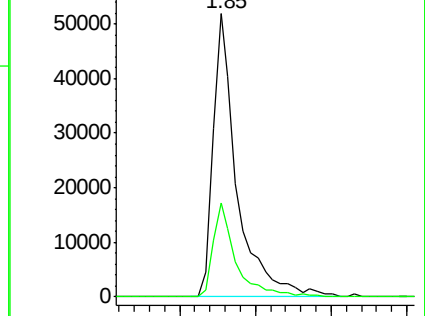
62 100

64 33.2 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

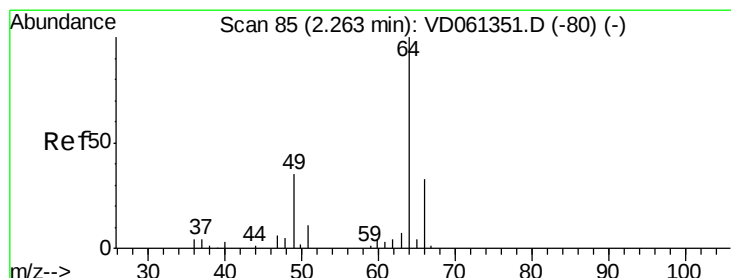
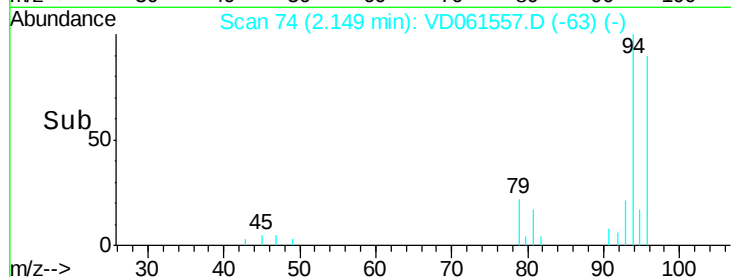
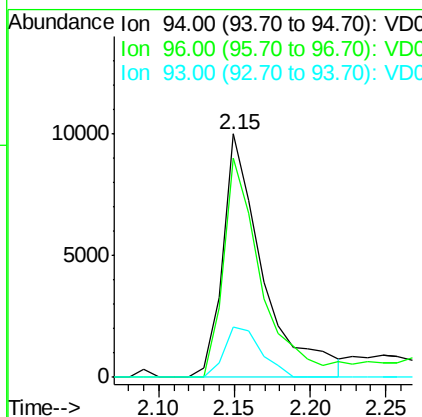
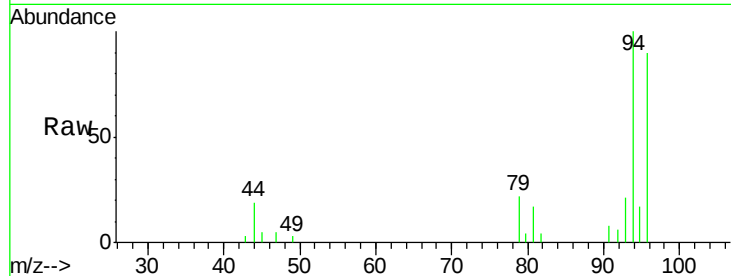




#5
Bromomethane
Concen: 18.092 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

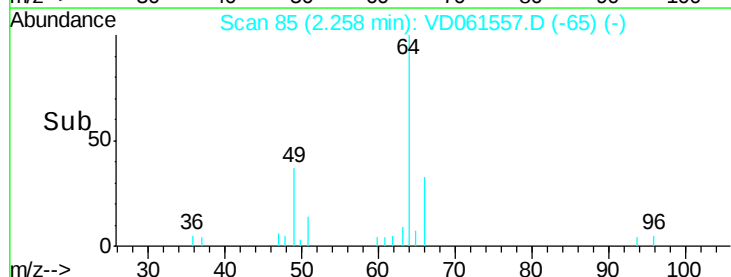
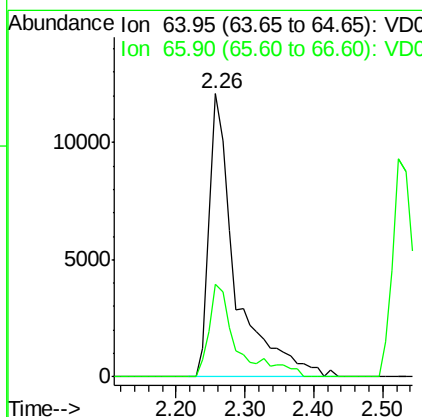
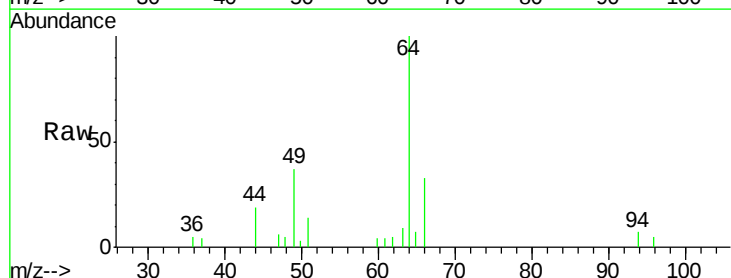
Instrument :
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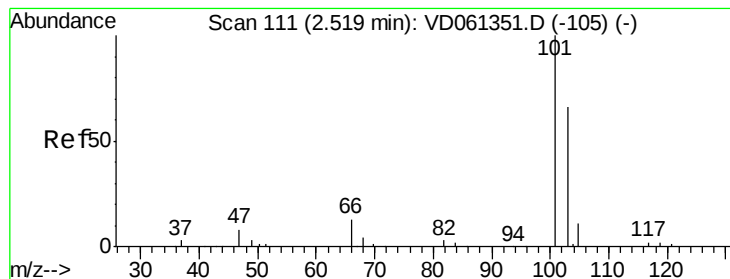
Tot Ion: 94 Resp: 18363
Ion Ratio Lower Upper
94 100
96 90.0 78.3 117.5
93 20.8 15.6 23.4



#6
Chloroethane
Concen: 21.505 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 64 Resp: 32280
Ion Ratio Lower Upper
64 100
66 32.7 26.2 39.2



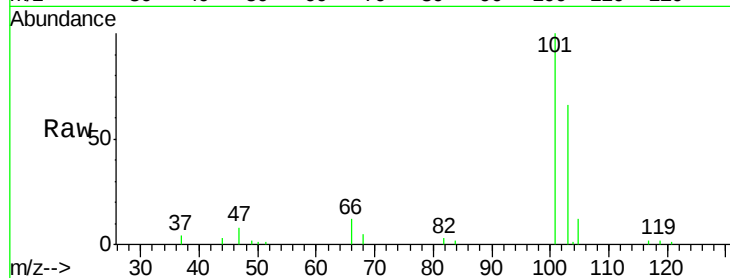


#7

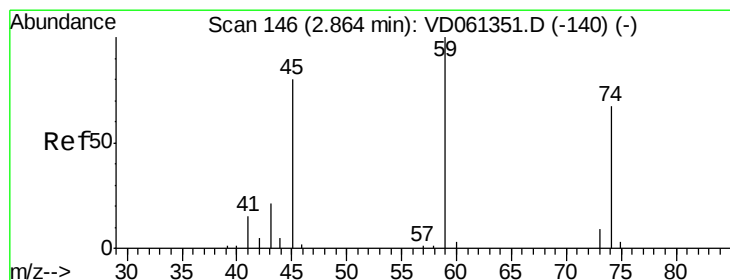
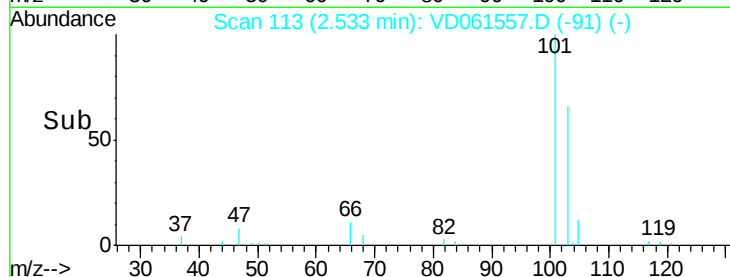
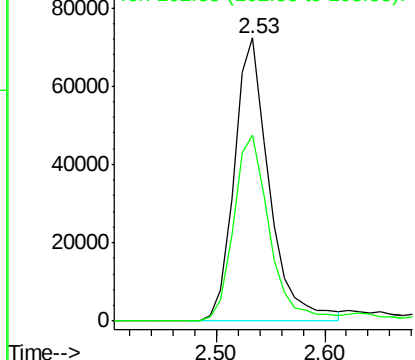
Trichlorofluoromethane
 Concen: 21.858 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Tot Ion:101 Resp: 162688
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.1 79.7



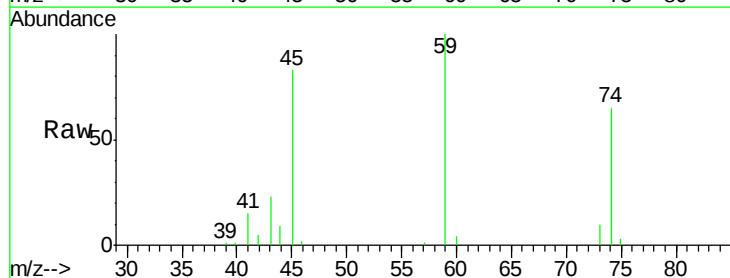
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



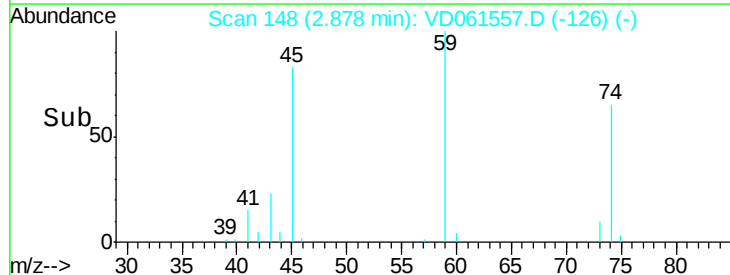
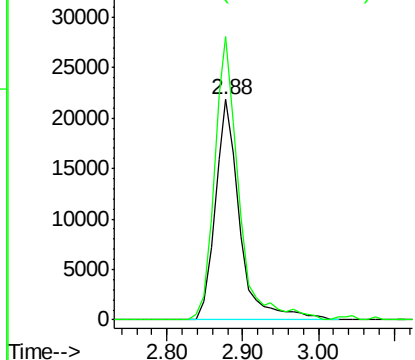
#8

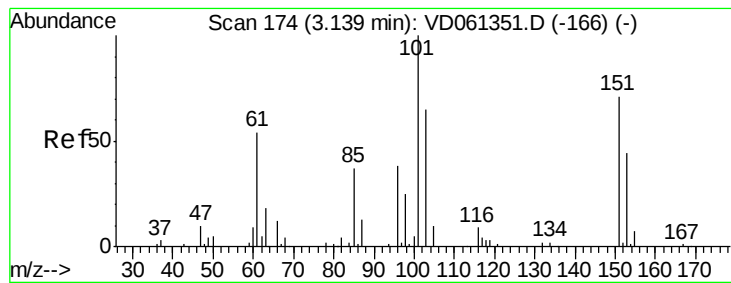
Diethyl Ether
 Concen: 20.585 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 74 Resp: 49329
 Ion Ratio Lower Upper
 74 100
 45 128.5 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.808 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

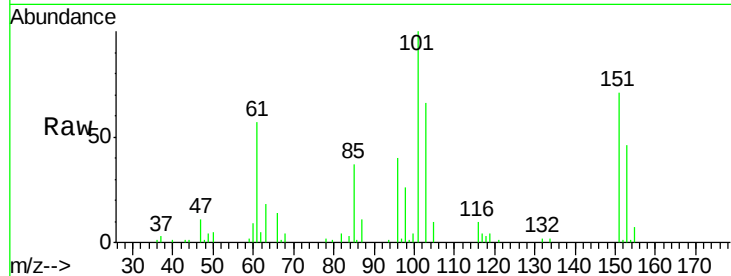
Tot Ion:101 Resp: 174506

Ion Ratio Lower Upper

101 100

85 36.9 29.4 44.0

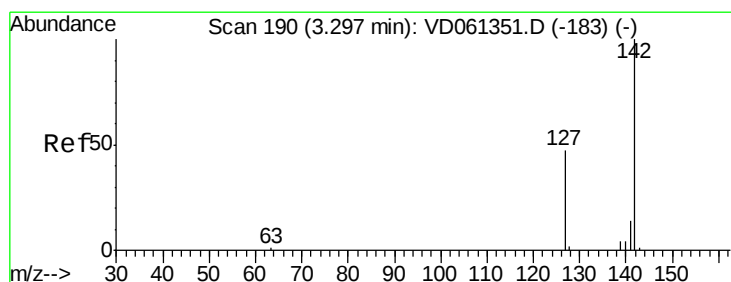
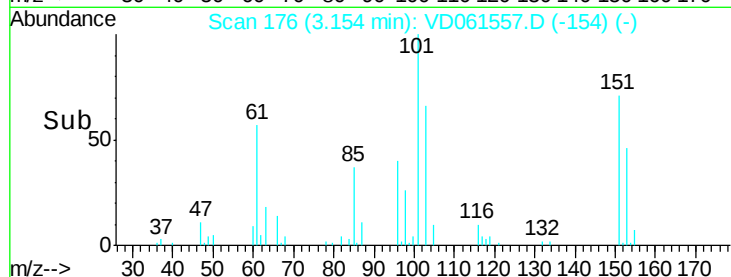
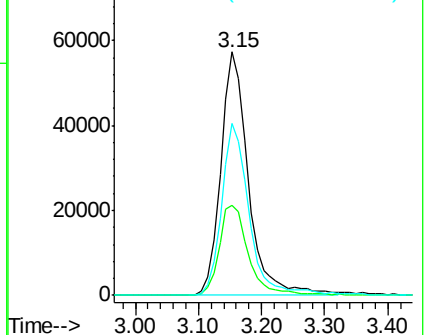
151 70.8 57.0 85.4



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: 19.217 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

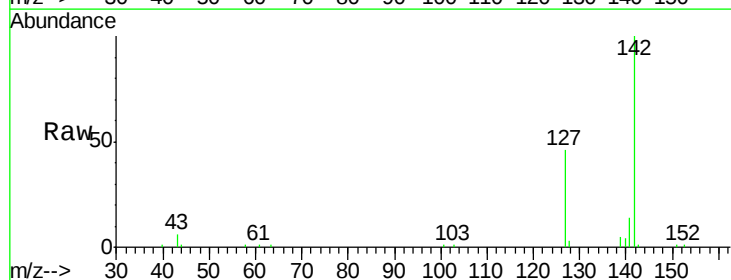
Tgt Ion:142 Resp: 205877

Ion Ratio Lower Upper

142 100

127 45.6 37.7 56.5

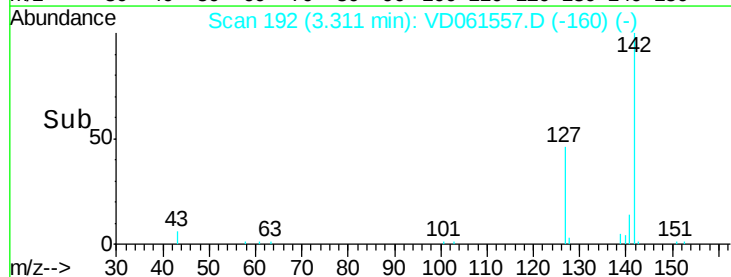
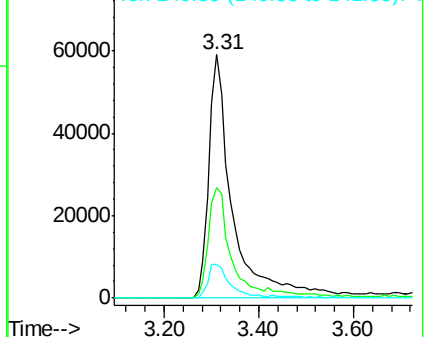
141 14.0 11.5 17.3

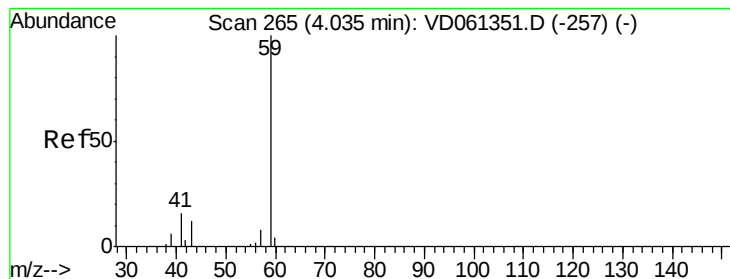


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



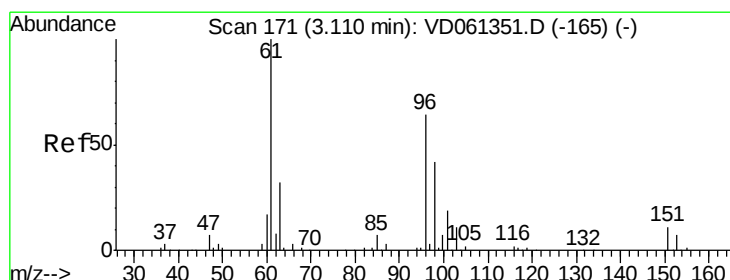
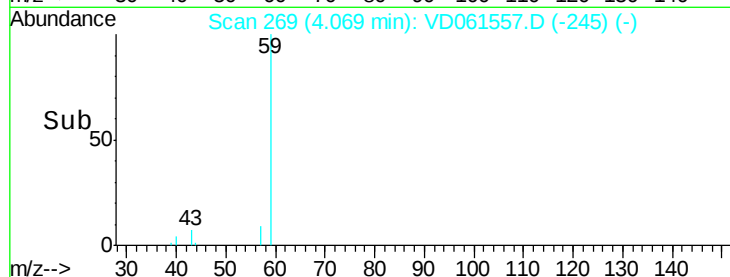
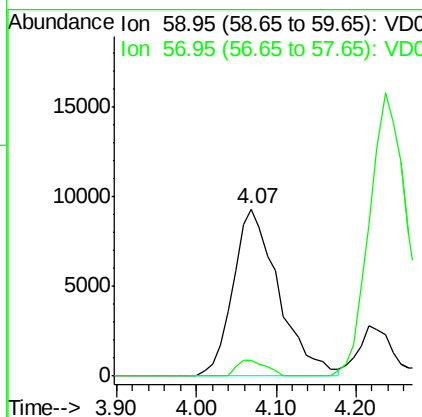
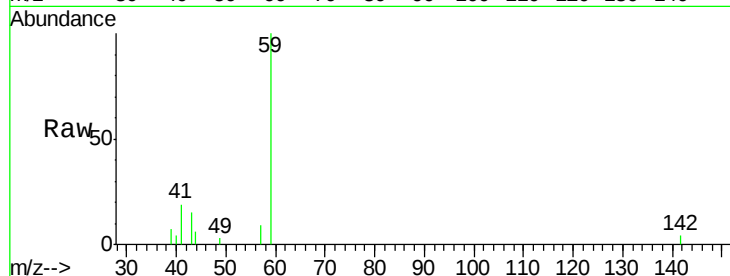


#11

Tert butyl alcohol
Concen: 108.808 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

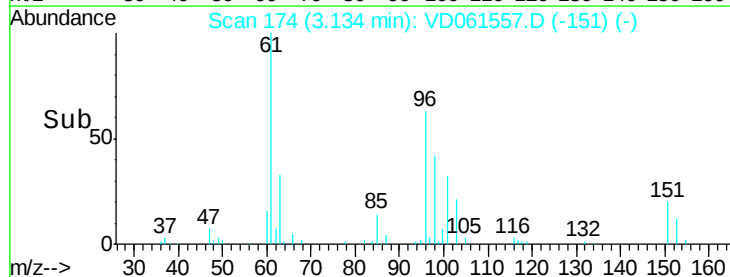
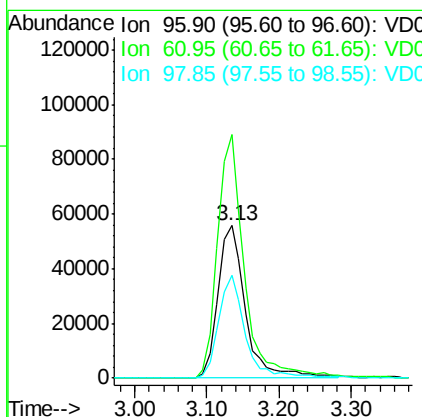
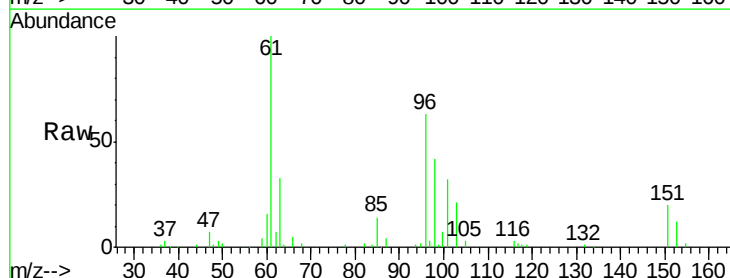
Tot Ion: 59 Resp: 37049
Ion Ratio Lower Upper
59 100
57 9.3 6.7 10.1

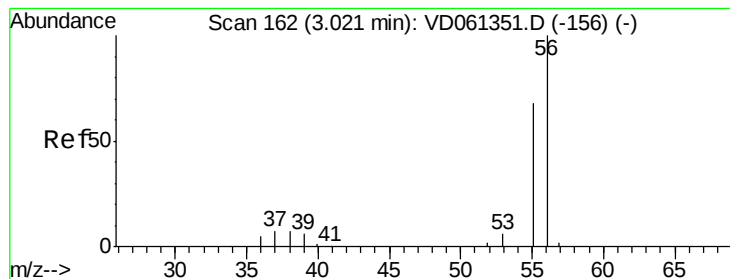


#12

1,1-Dichloroethene
Concen: 21.395 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 96 Resp: 146981
Ion Ratio Lower Upper
96 100
61 159.8 124.9 187.3
98 67.4 52.5 78.7





#13

Acrolein

Concen: 66.265 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

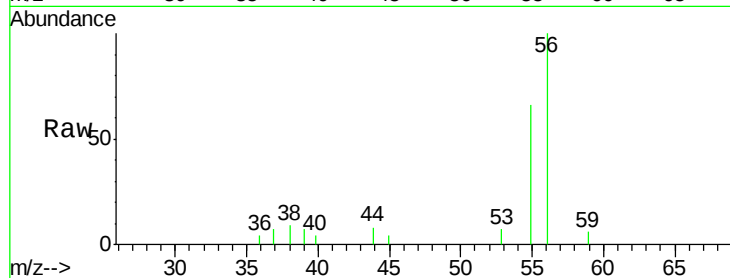
VD0403SBS01

Tot Ion: 56 Resp: 21560

Ion Ratio Lower Upper

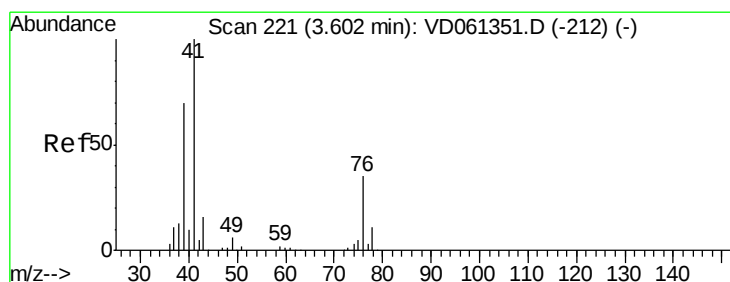
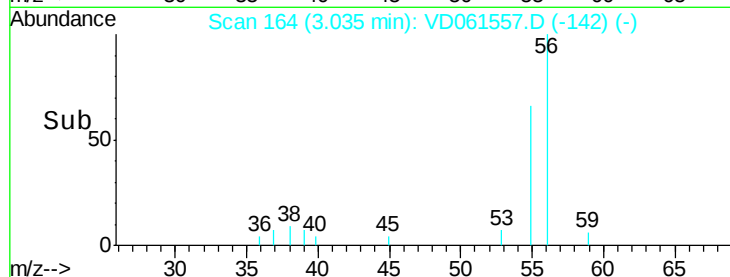
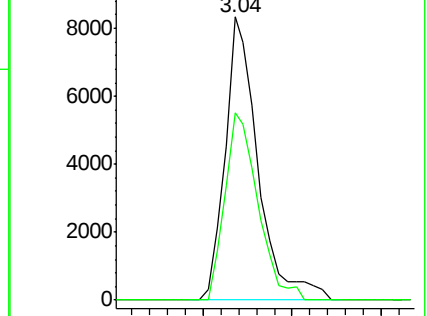
56 100

55 66.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.079 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

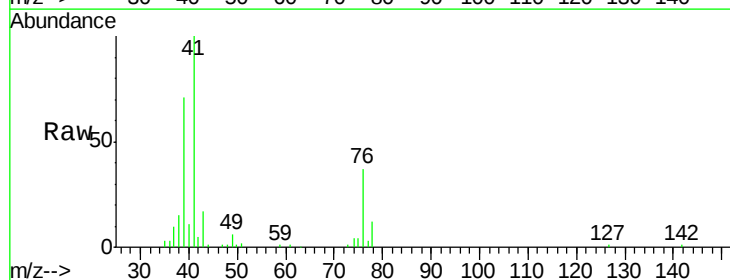
Tgt Ion: 41 Resp: 211563

Ion Ratio Lower Upper

41 100

39 70.5 55.6 83.4

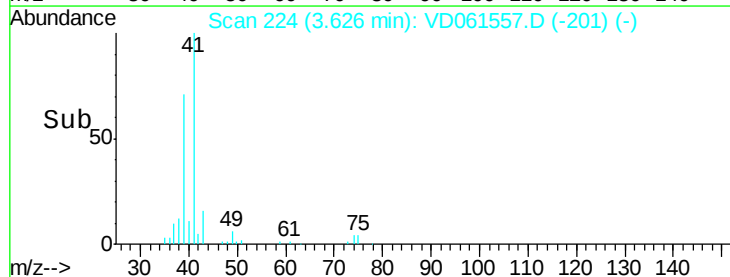
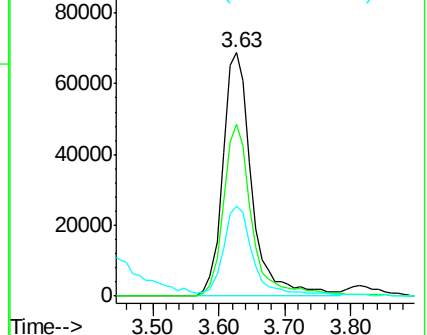
76 37.0 31.0 46.6

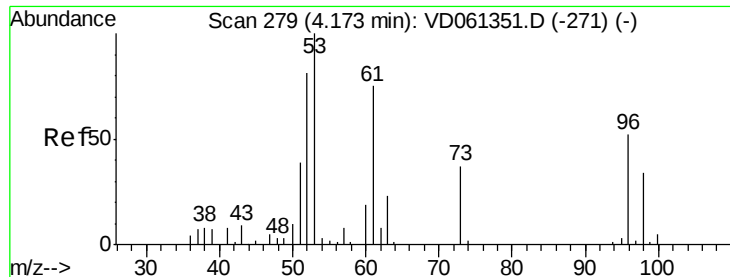


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 115.777 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

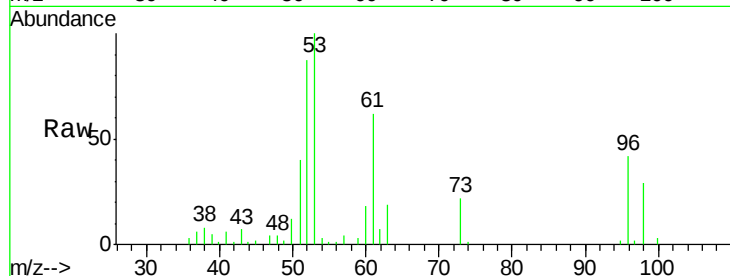
Tot Ion: 53 Resp: 136826

Ion Ratio Lower Upper

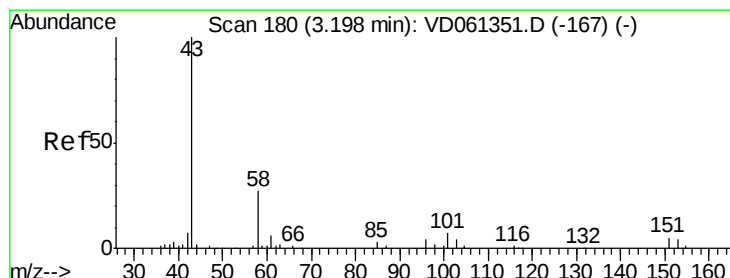
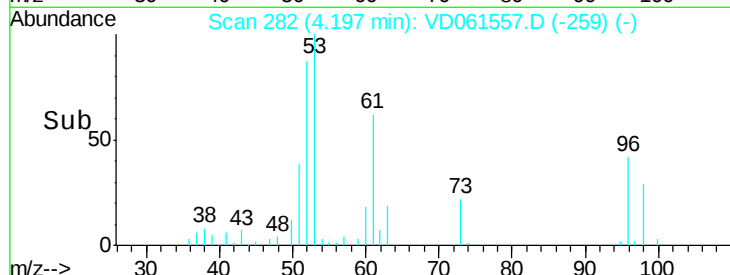
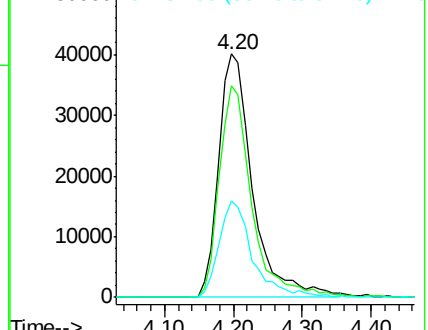
53 100

52 87.2 64.8 97.2

51 39.8 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: 109.650 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061557.D

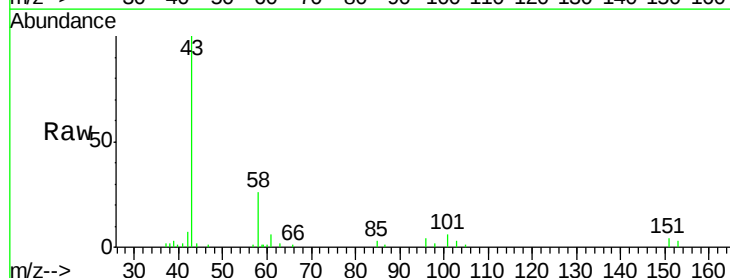
Acq: 3 Apr 2019 15:57

Tgt Ion: 43 Resp: 154114

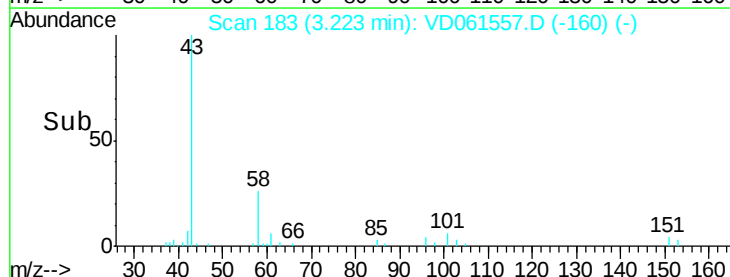
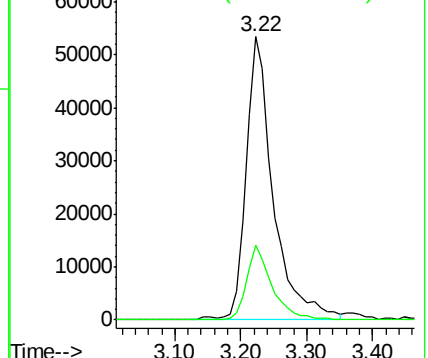
Ion Ratio Lower Upper

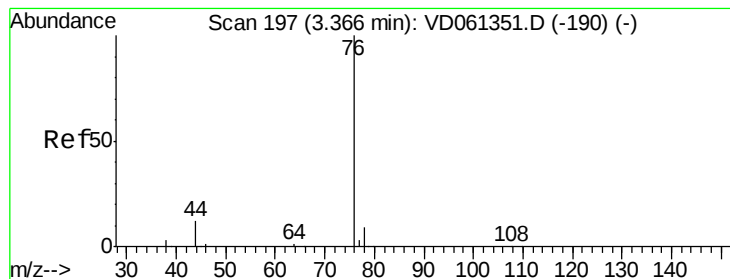
43 100

58 26.4 21.5 32.3



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





#17

Carbon Disulfide

Concen: 20.140 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

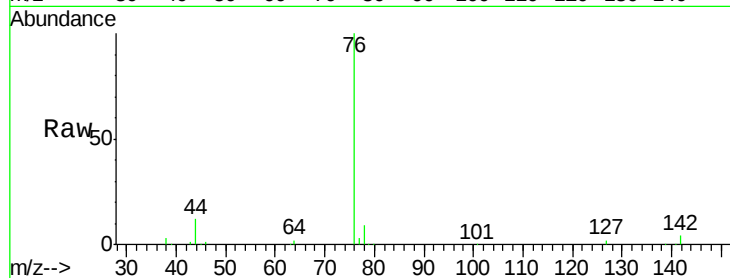
VD0403SBS01

Tot Ion: 76 Resp: 449539

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

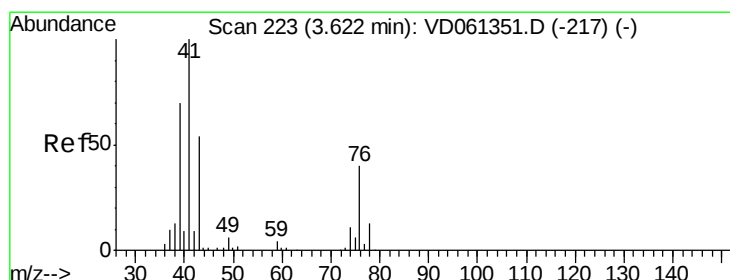
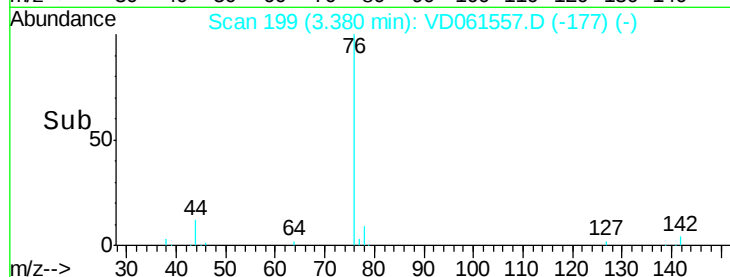
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 22.953 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061557.D

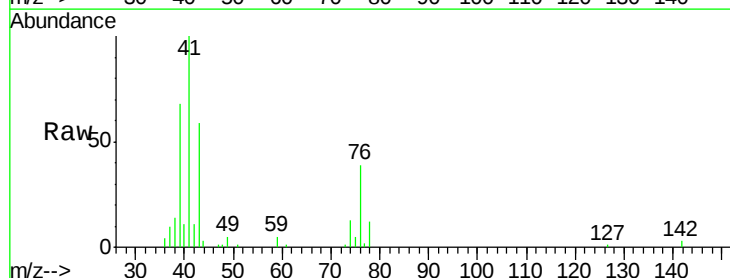
Acq: 3 Apr 2019 15:57

Tgt Ion: 43 Resp: 67830

Ion Ratio Lower Upper

43 100

74 22.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

15000

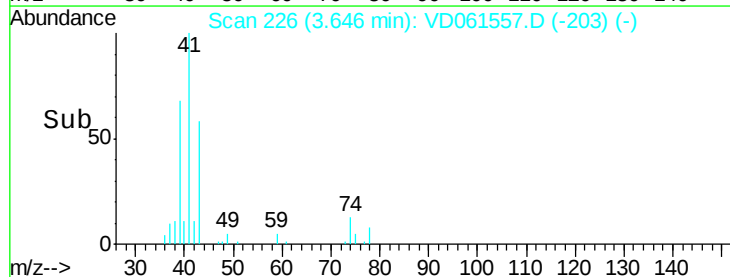
10000

5000

0

3.50 3.60 3.70 3.80

Time-->

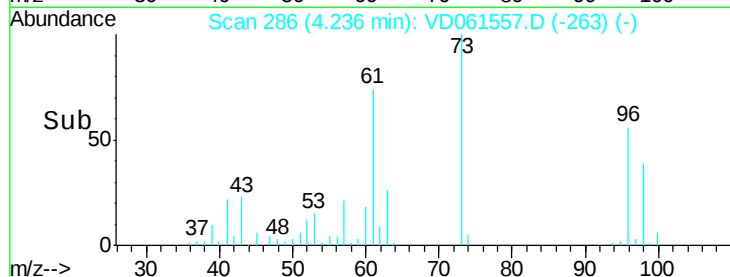
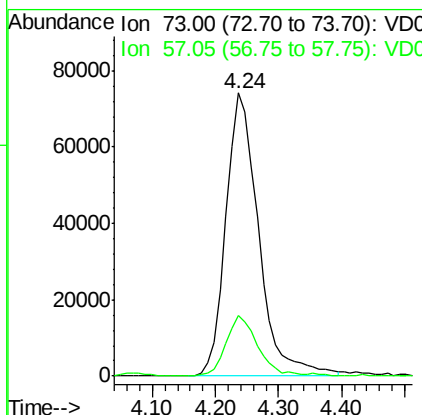
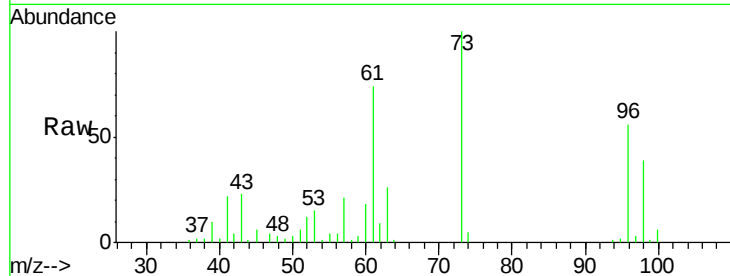




#19
Methvl tert-butvl Ether
Concen: 22.483 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

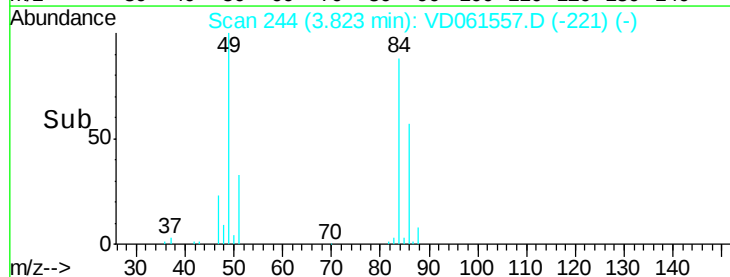
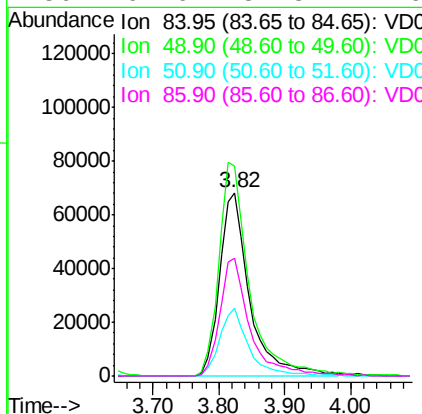
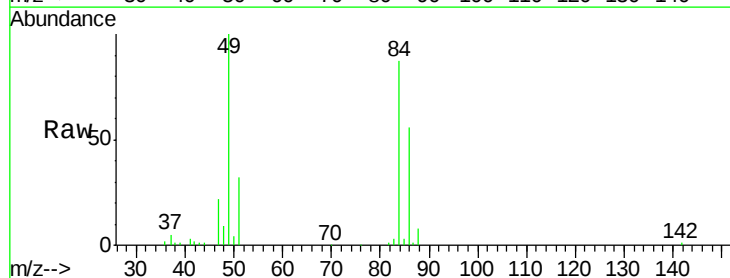
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 73 Resp: 267367
Ion Ratio Lower Upper
73 100
57 21.3 16.4 24.6



#20
Methylene Chloride
Concen: 26.587 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 84 Resp: 216414
Ion Ratio Lower Upper
84 100
49 114.9 91.8 137.8
51 37.3 29.8 44.8
86 64.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.452 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

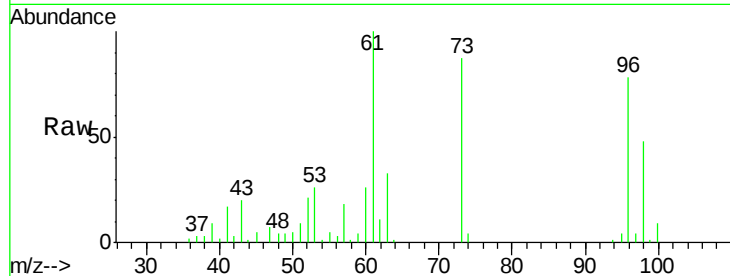
Tot Ion: 96 Resp: 166526

Ion Ratio Lower Upper

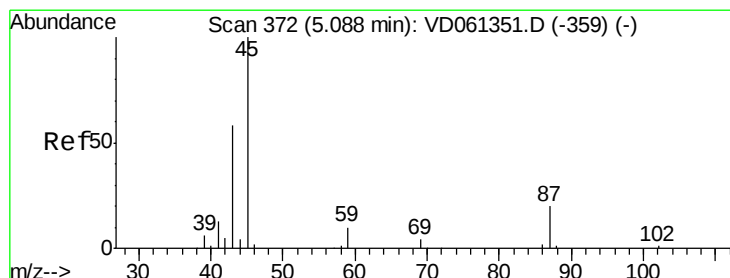
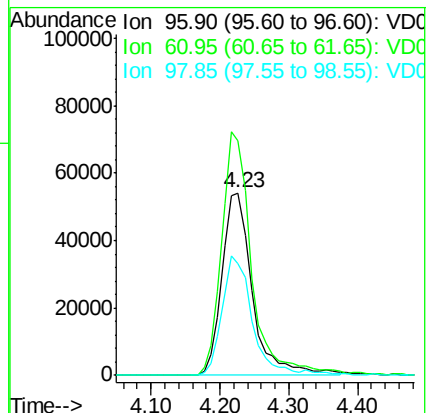
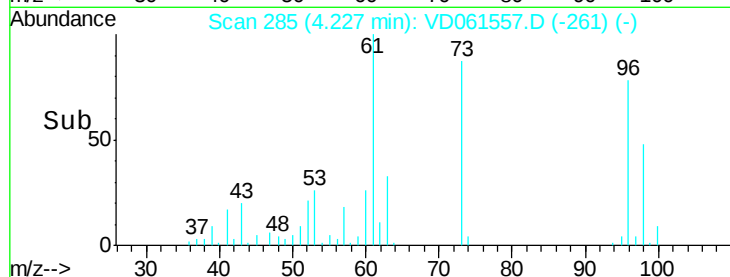
96 100

61 128.6 102.7 154.1

98 61.1 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: 24.058 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Tgt Ion: 45 Resp: 487826

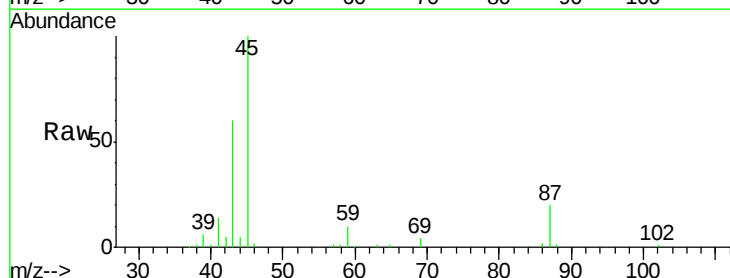
Ion Ratio Lower Upper

45 100

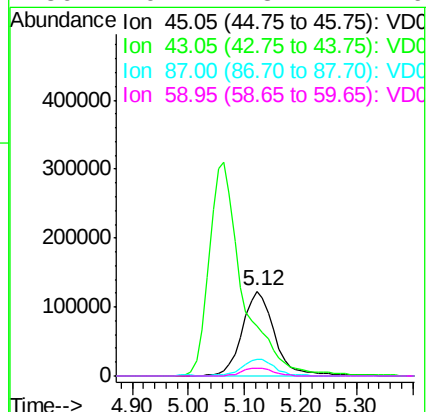
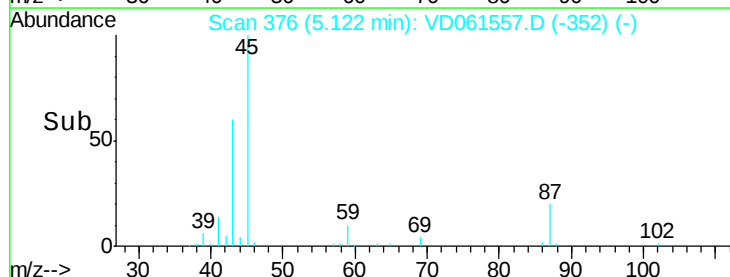
43 59.7 47.4 71.2

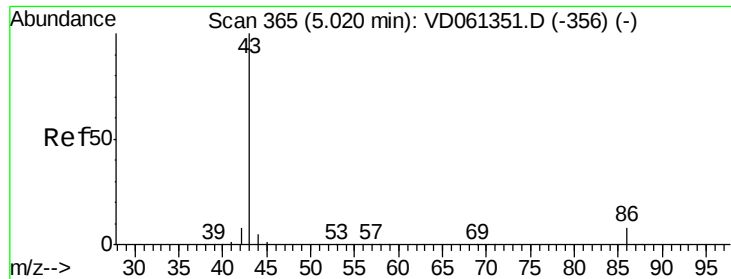
87 19.9 16.3 24.5

59 9.7 8.4 12.6



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





#23

Vinyl Acetate

Concen: 115.719 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

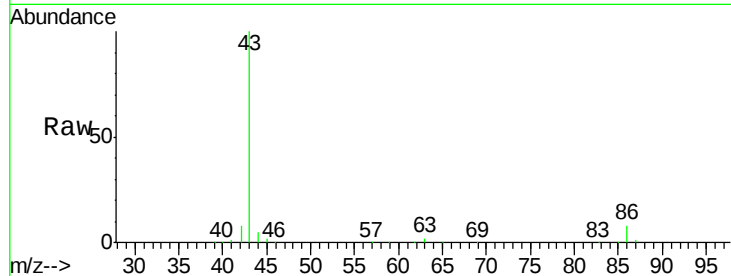
VD0403SBS01

Tot Ion: 43 Resp: 1274578

Ion Ratio Lower Upper

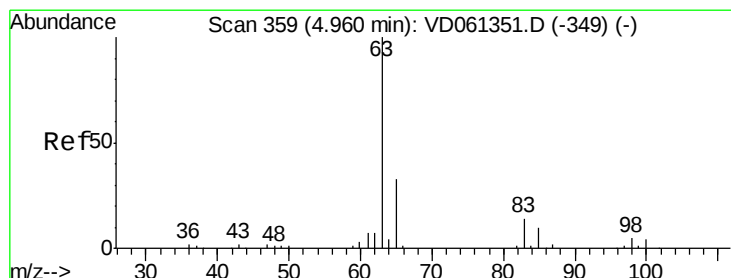
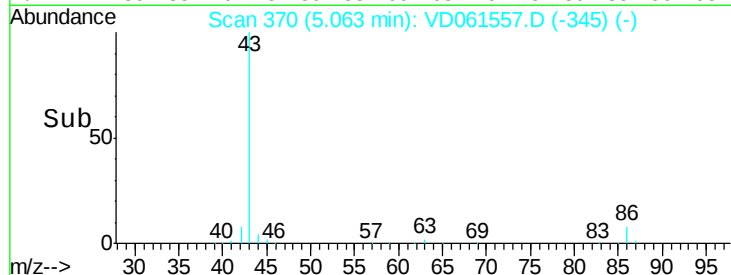
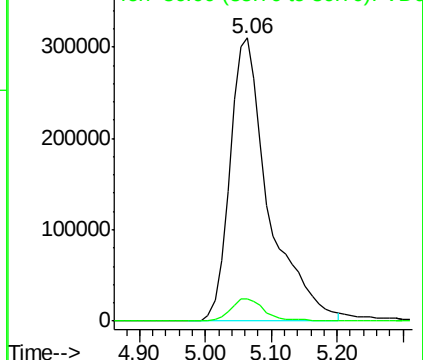
43 100

86 8.0 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: 22.111 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

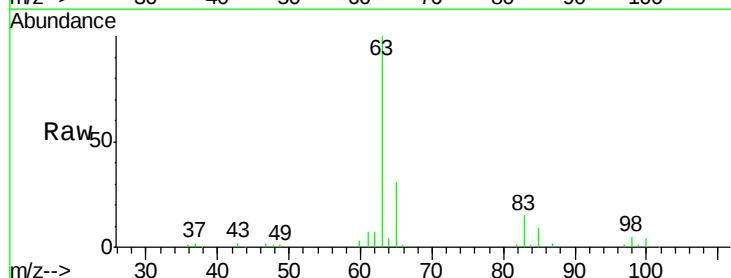
Tgt Ion: 63 Resp: 263485

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

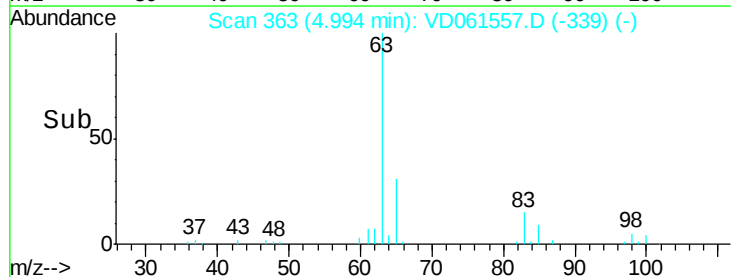
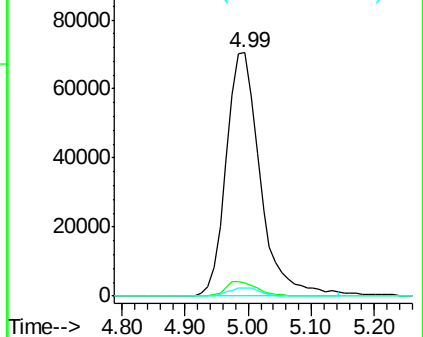
100 3.6 1.8 5.3



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: 109.874 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

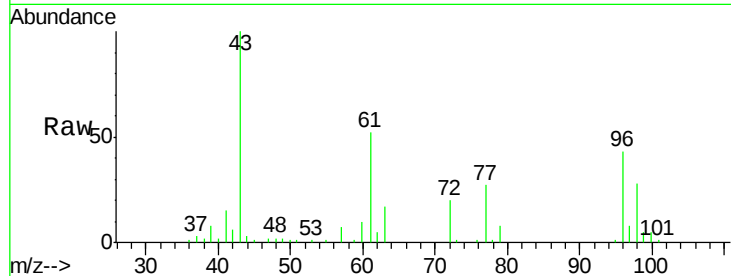
VD0403SBS01

Tot Ion: 43 Resp: 194259

Ion Ratio Lower Upper

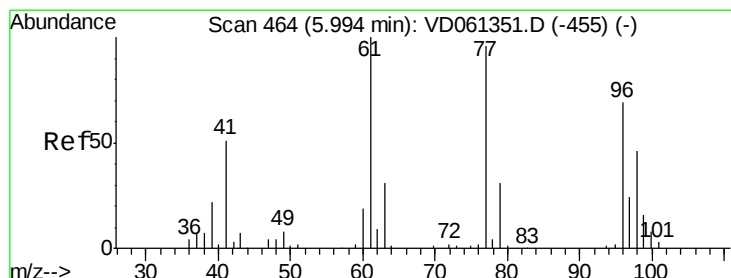
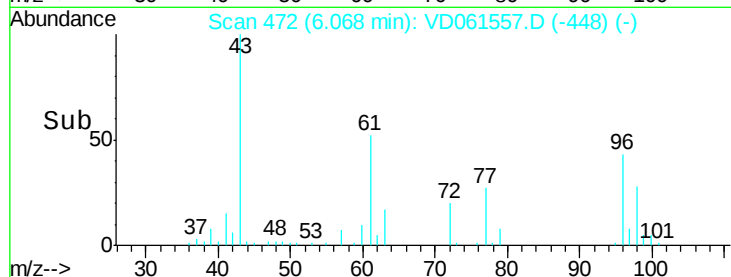
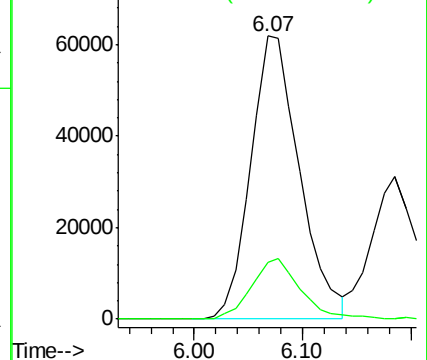
43 100

72 20.0 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: 23.021 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD061557.D

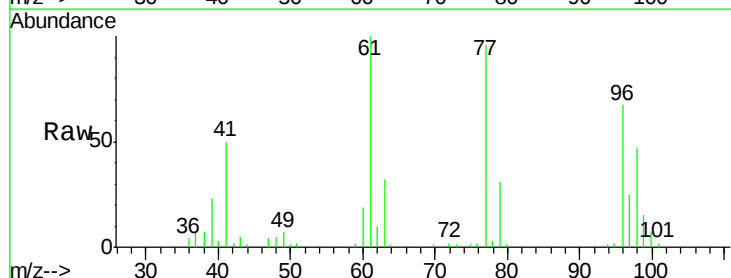
Acq: 3 Apr 2019 15:57

Tgt Ion: 77 Resp: 218075

Ion Ratio Lower Upper

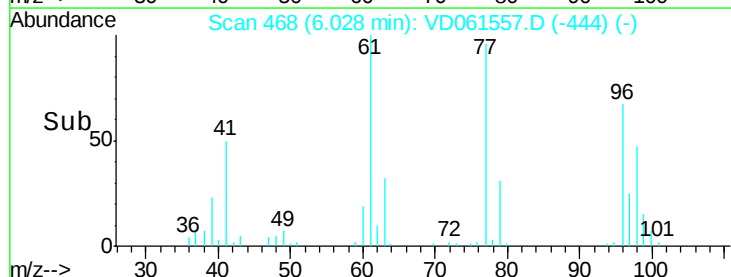
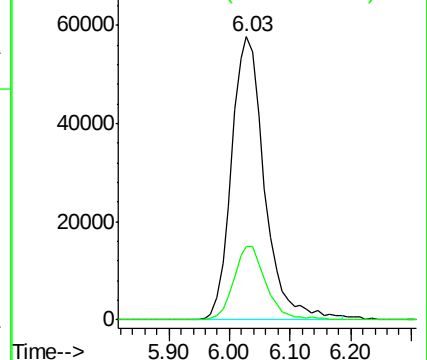
77 100

97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



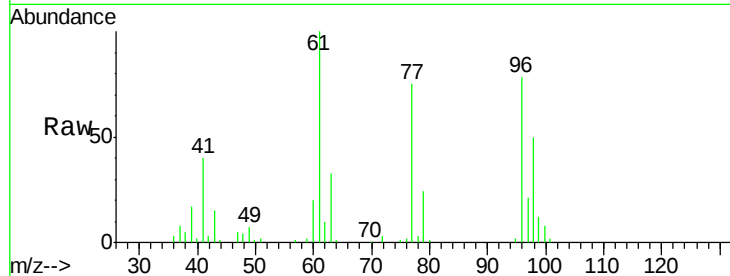


#27

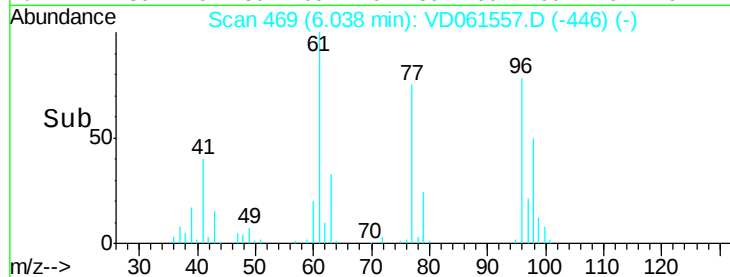
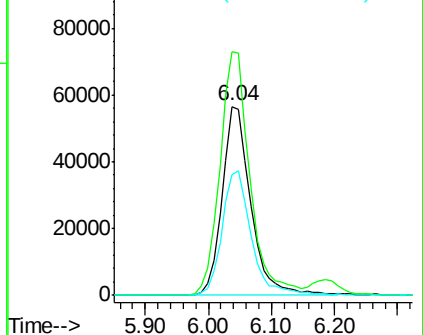
cis-1,2-Dichloroethene
Concen: 21.985 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 96 Resp: 178656
Ion Ratio Lower Upper
96 100
61 128.7 0.0 251.6
98 64.0 0.0 129.2



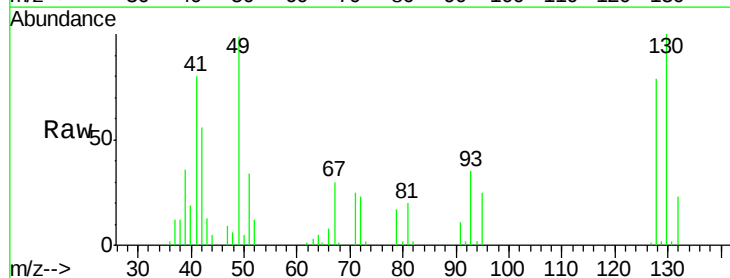
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



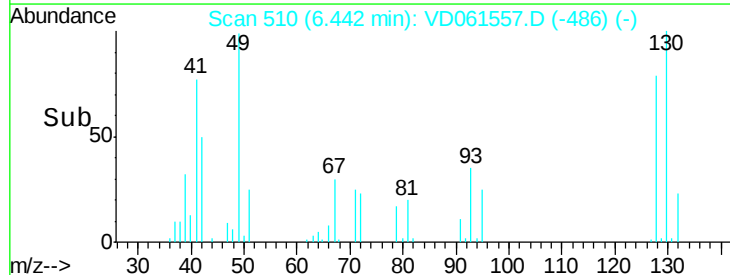
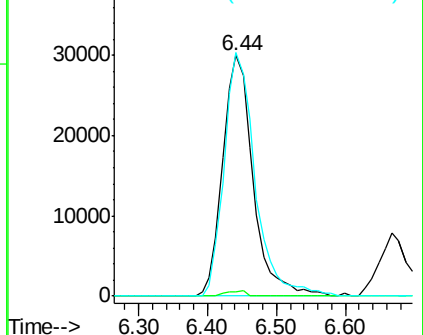
#28

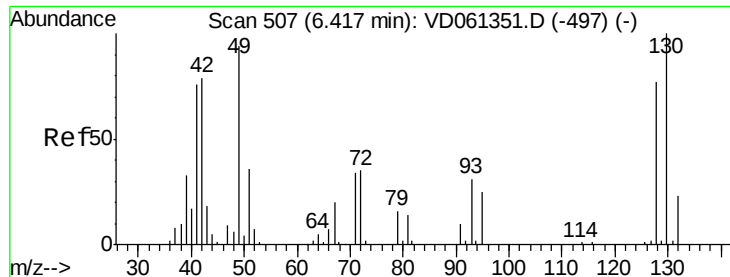
Bromochloromethane
Concen: 19.096 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 49 Resp: 91861
Ion Ratio Lower Upper
49 100
129 1.9 0.0 0.0#
130 101.0 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

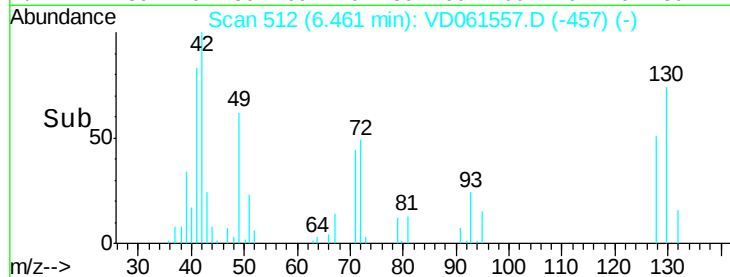
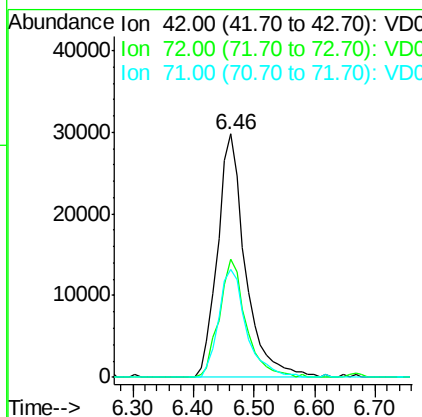
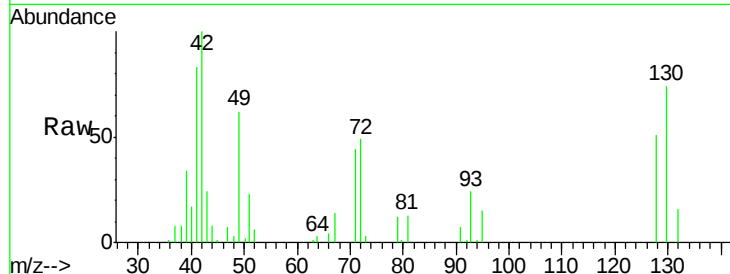




#29
Tetrahydrofuran
Concen: 111.092 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

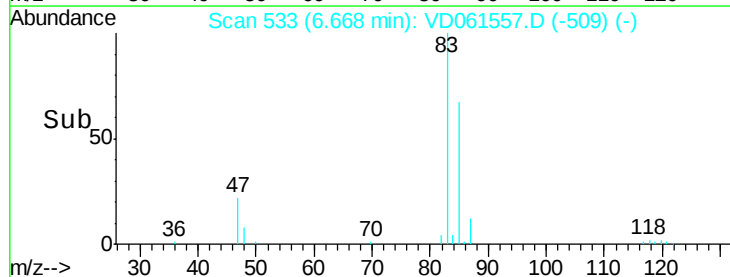
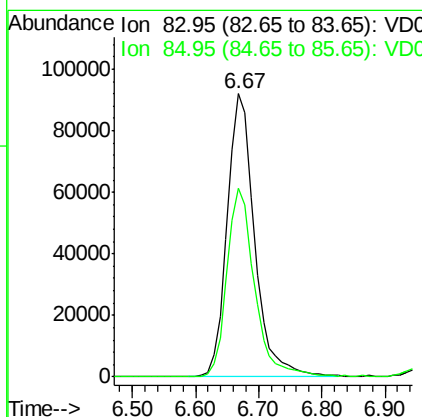
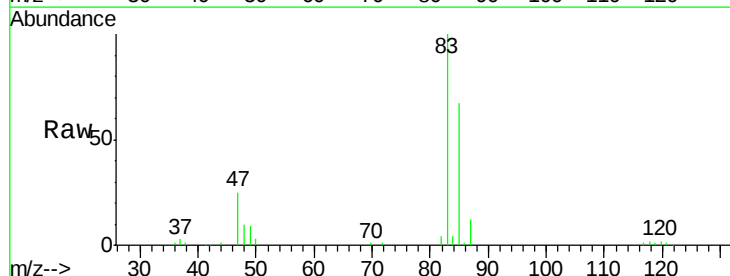
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

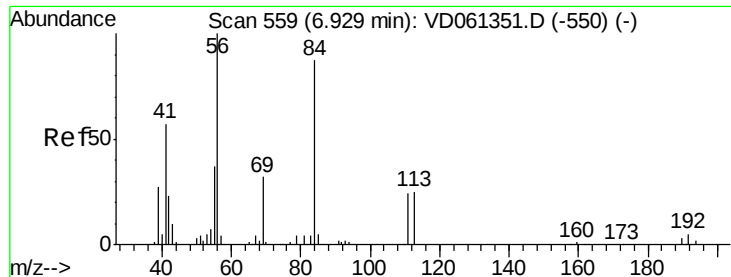
Tot Ion: 42 Resp: 95200
Ion Ratio Lower Upper
42 100
72 46.6 37.4 56.0
71 44.3 36.7 55.1



#30
Chloroform
Concen: 22.533 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 83 Resp: 277452
Ion Ratio Lower Upper
83 100
85 66.6 53.0 79.4

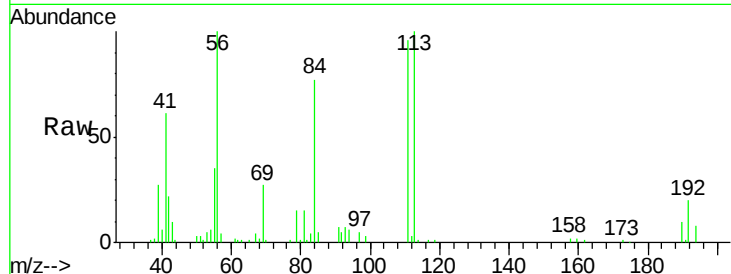




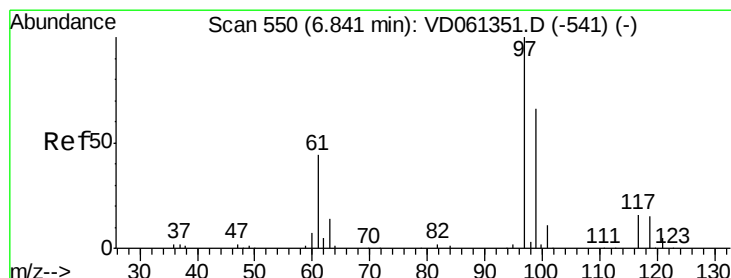
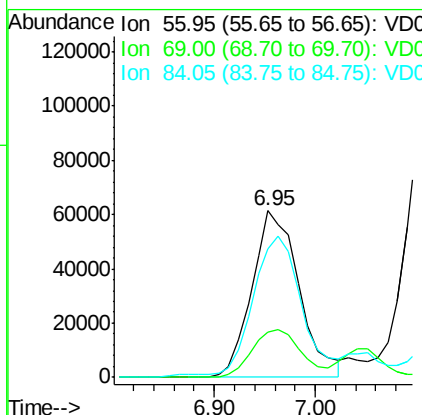
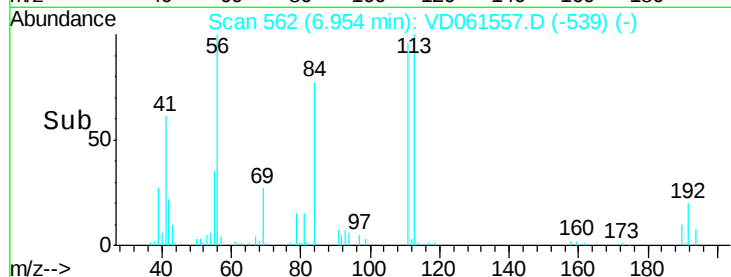
#31
Cyclohexane
Concen: 21.172 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 56 Resp: 199380
Ion Ratio Lower Upper
56 100
69 27.1 25.7 38.5
84 77.5 70.6 105.8

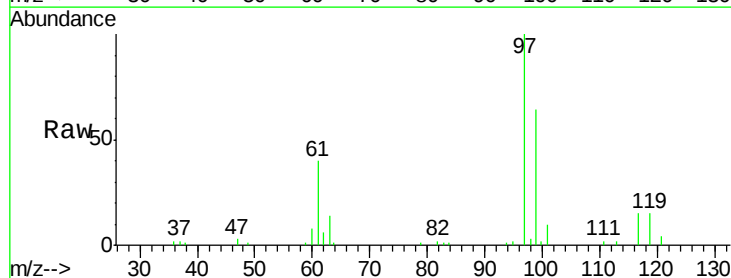


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

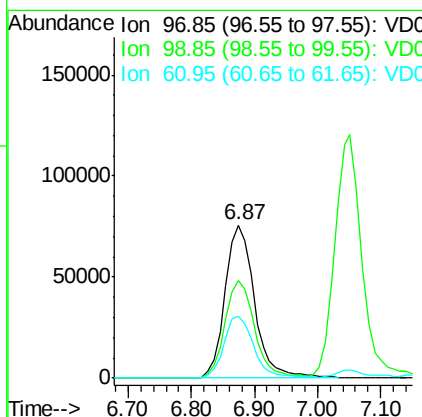
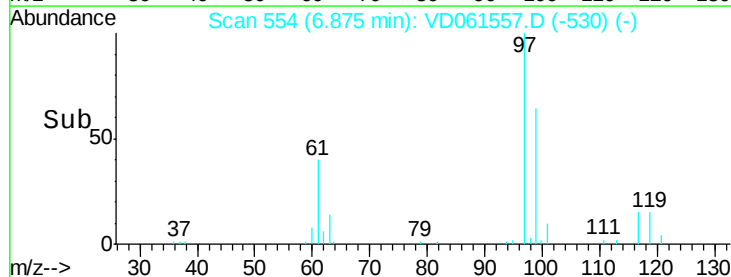


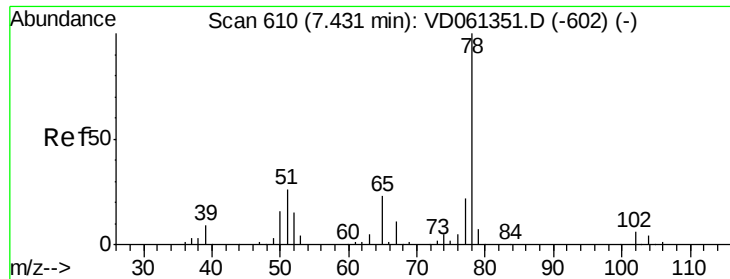
#32
1,1,1-Trichloroethane
Concen: 22.657 ug/l
RT: 6.87 min Scan# 554
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 97 Resp: 246123
Ion Ratio Lower Upper
97 100
99 64.2 53.1 79.7
61 40.0 35.5 53.3



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

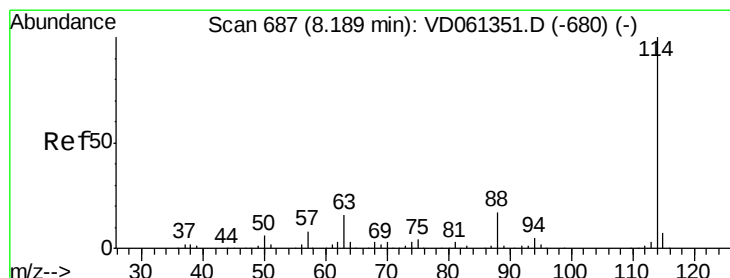
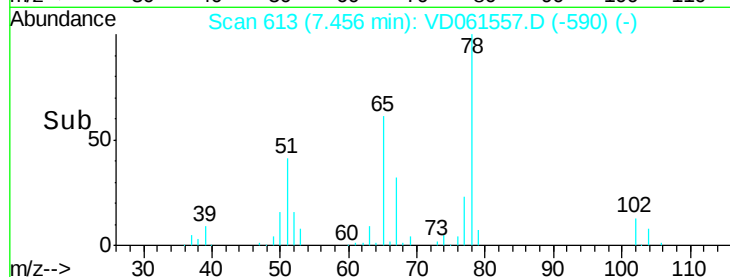
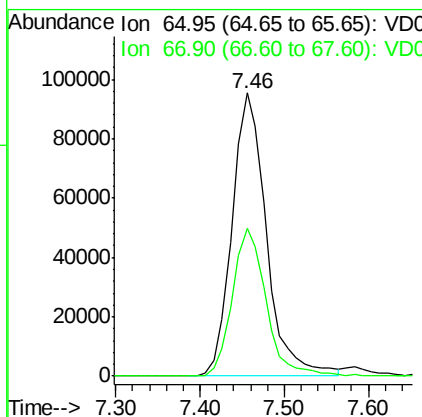
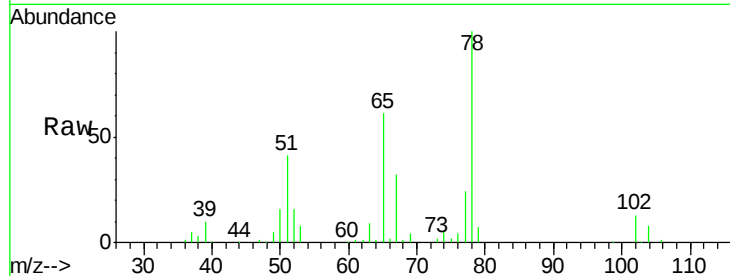




#33
 1,2-Dichloroethane-d4
 Concen: 22.657 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

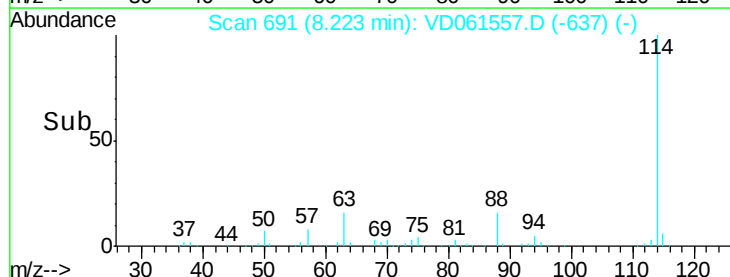
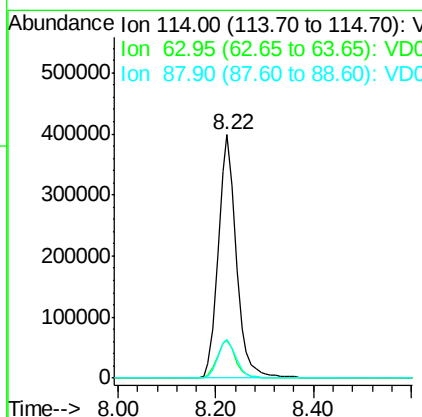
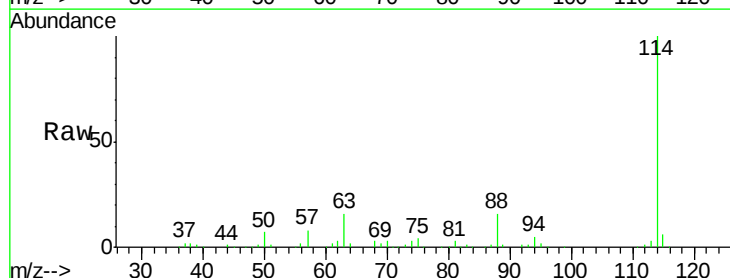
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

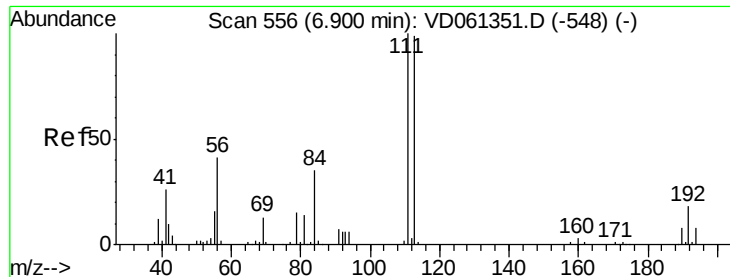
Tot Ion: 65 Resp: 271479
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 114 Resp: 1029945
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

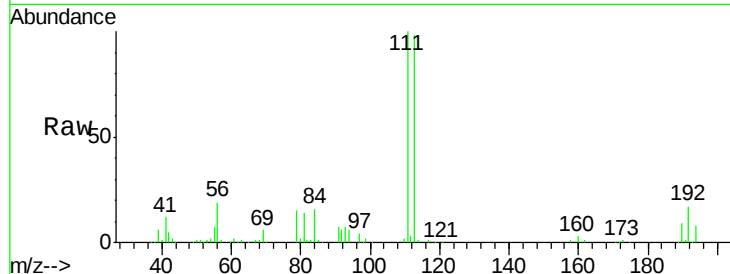
Tot Ion:113 Resp: 421700

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.6

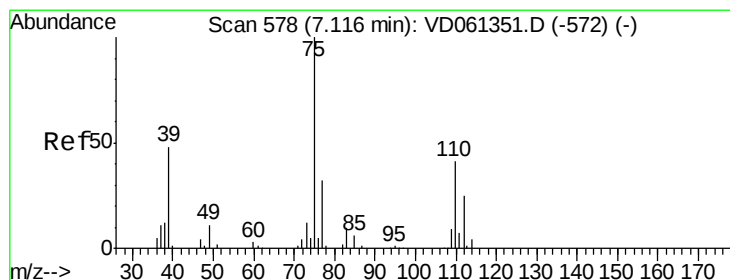
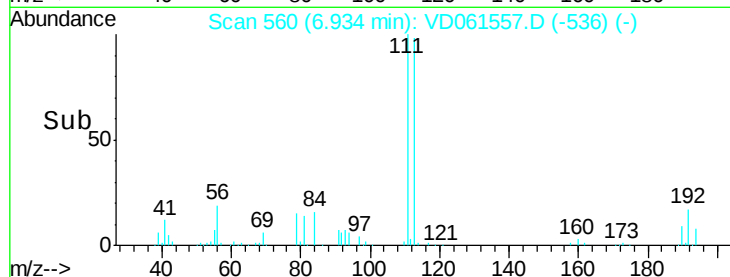
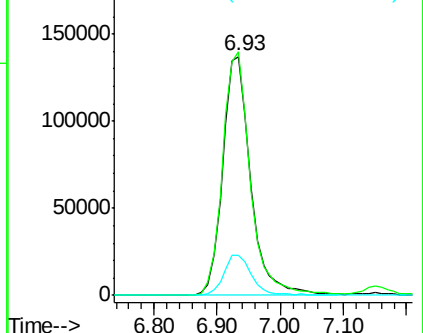
192 16.9 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.452 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

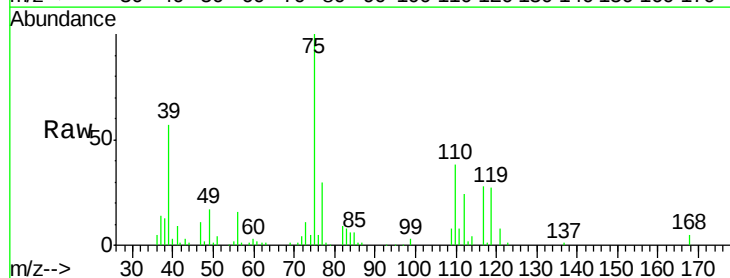
Tgt Ion: 75 Resp: 210814

Ion Ratio Lower Upper

75 100

110 38.3 20.4 61.3

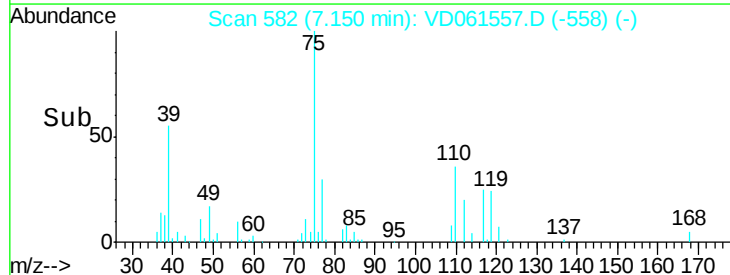
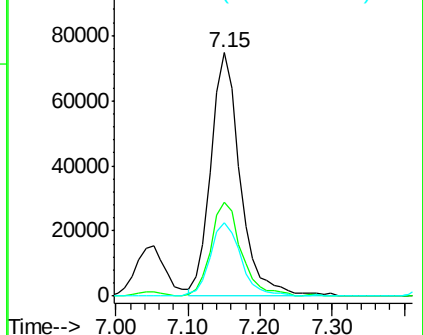
77 30.4 24.9 37.3

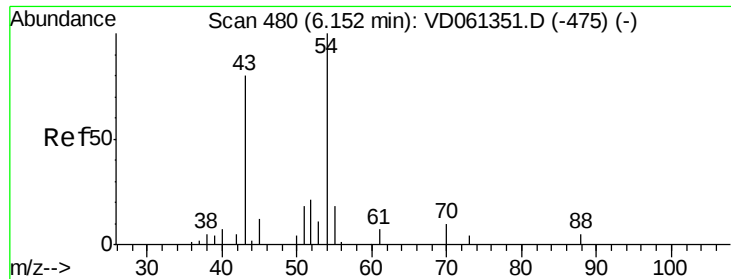


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

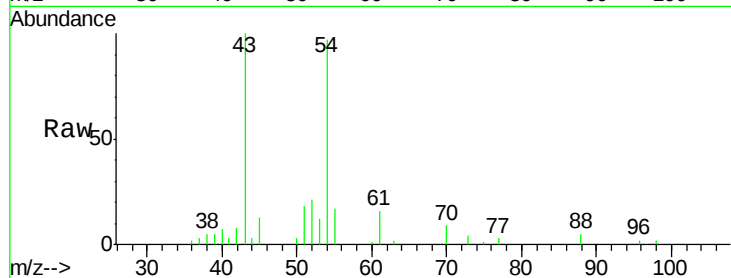




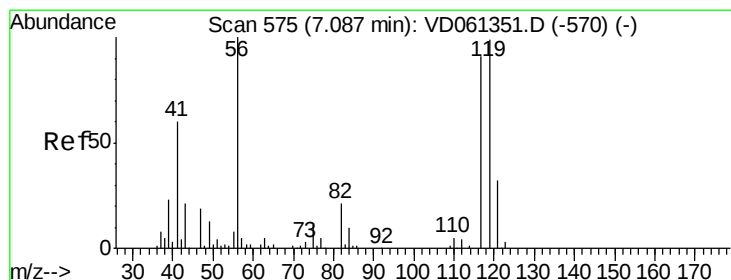
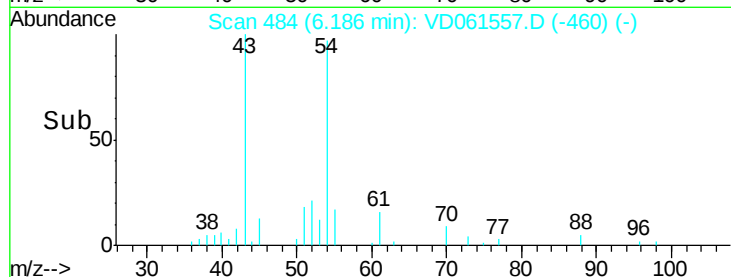
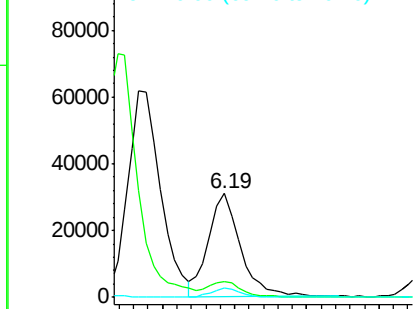
#37
Ethyl Acetate
Concen: 24.817 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 43 Resp: 95408
Ion Ratio Lower Upper
43 100
61 15.8 13.8 20.8
70 9.0 7.8 11.8

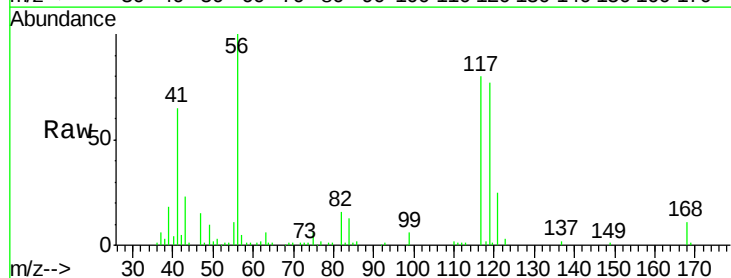


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

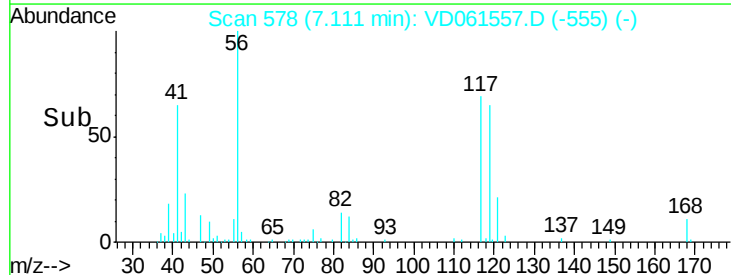
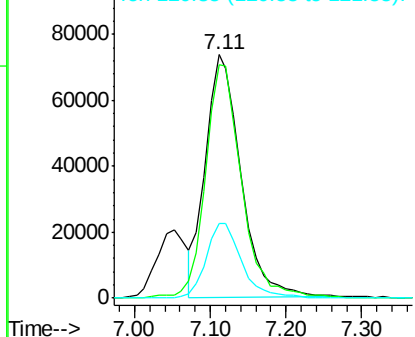


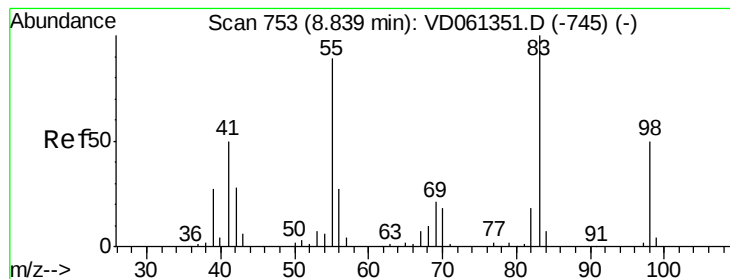
#38
Carbon Tetrachloride
Concen: 23.324 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 117 Resp: 240918
Ion Ratio Lower Upper
117 100
119 96.0 80.1 120.1
121 30.6 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: 23.883 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

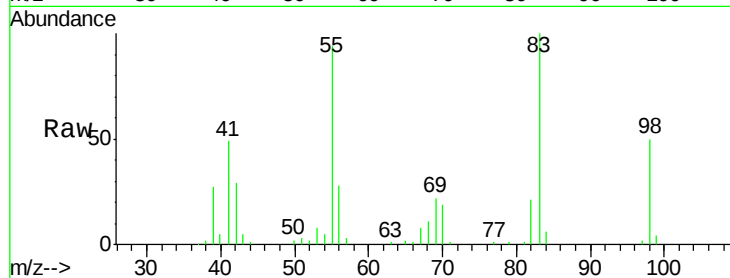
Tot Ion: 83 Resp: 223598

Ion Ratio Lower Upper

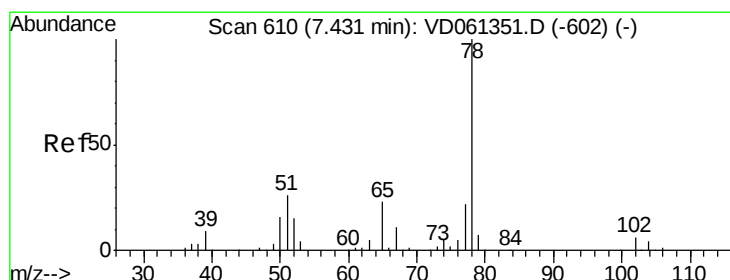
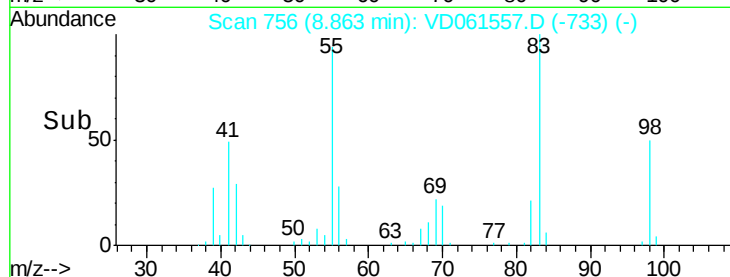
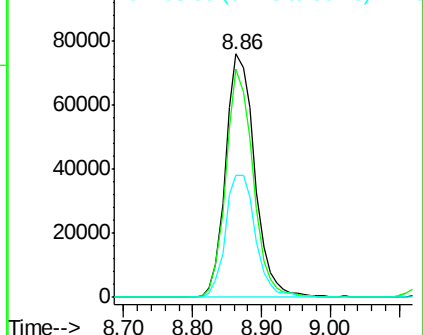
83 100

55 93.8 71.5 107.3

98 50.4 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: 21.313 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061557.D

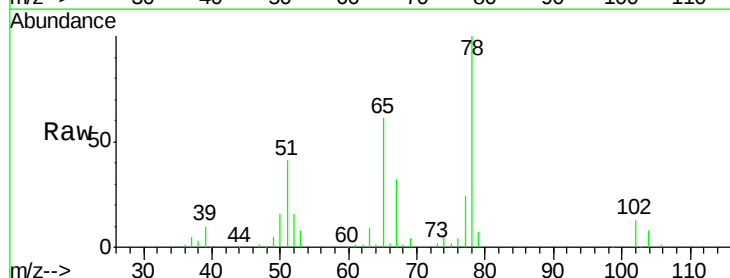
Acq: 3 Apr 2019 15:57

Tgt Ion: 78 Resp: 480831

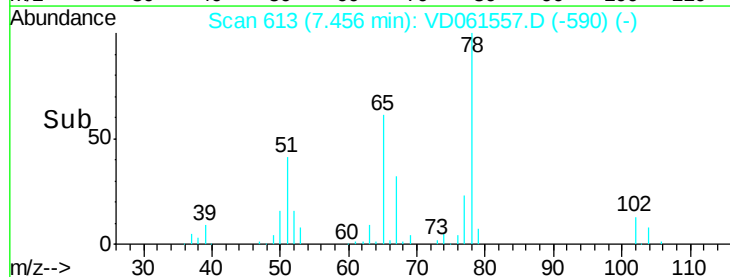
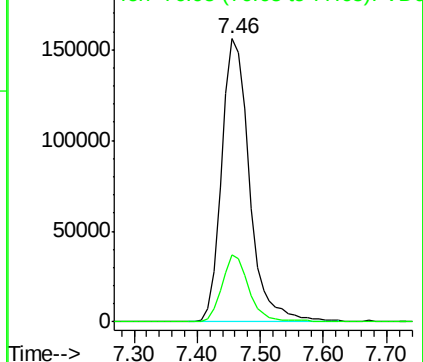
Ion Ratio Lower Upper

78 100

77 23.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.992 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

Tot Ion: 41 Resp: 107846

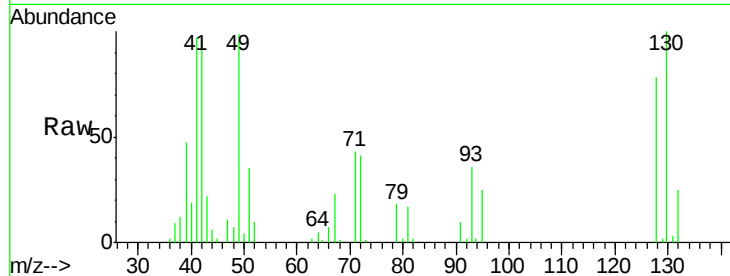
Ion Ratio Lower Upper

41 100

39 48.5 35.0 52.6

67 23.8 21.0 31.6

52 10.0 7.7 11.5

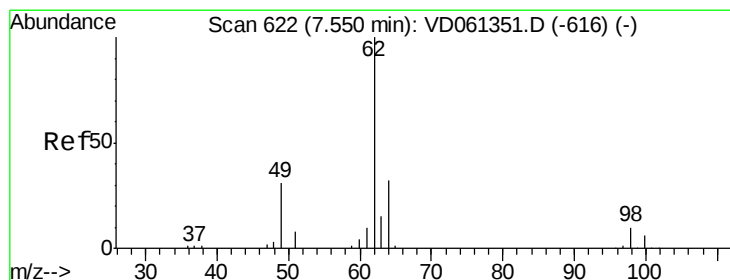
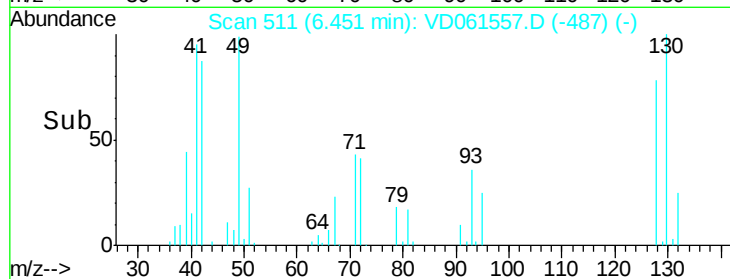
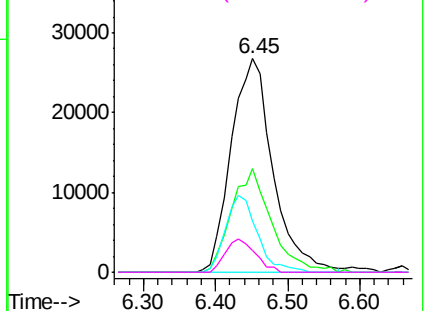


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.974 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.03 min

Lab File: VD061557.D

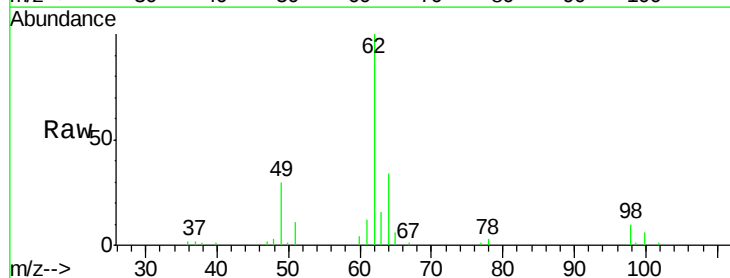
Acq: 3 Apr 2019 15:57

Tgt Ion: 62 Resp: 161784

Ion Ratio Lower Upper

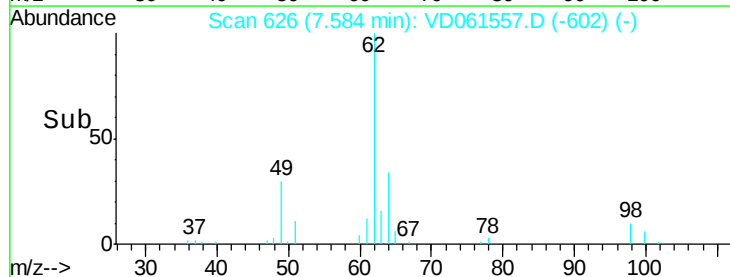
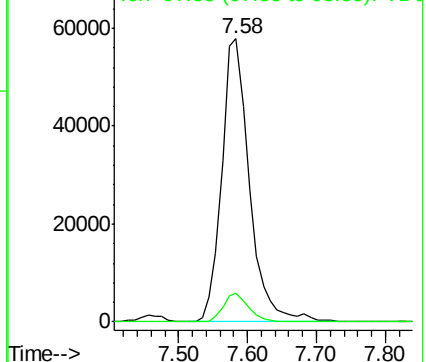
62 100

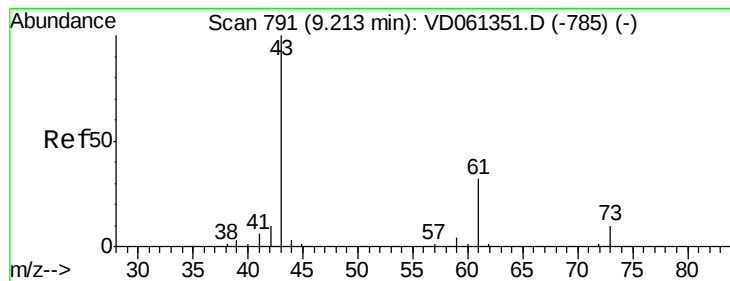
98 10.3 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



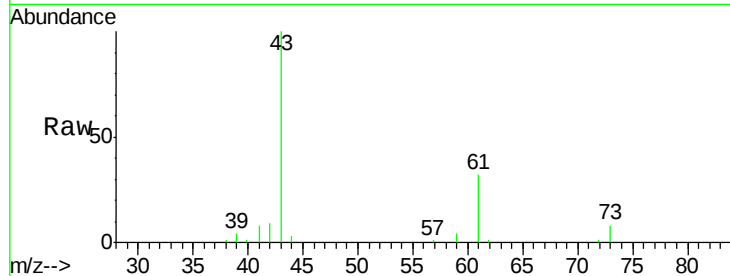


#43

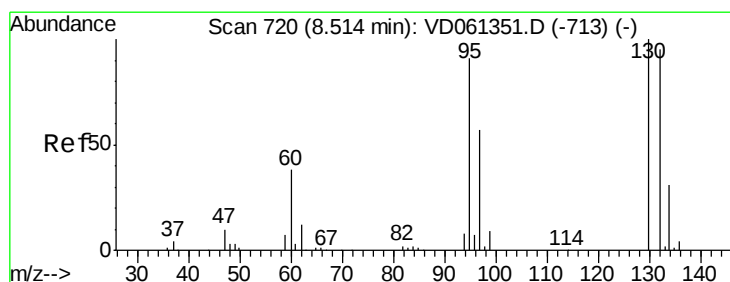
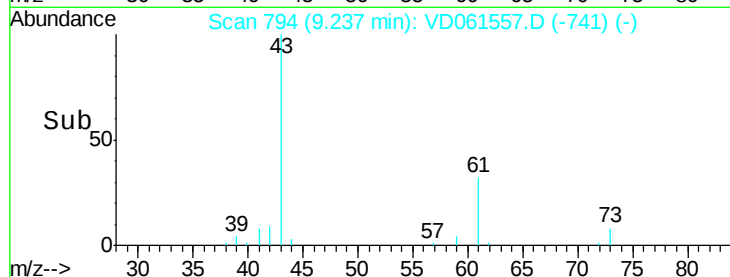
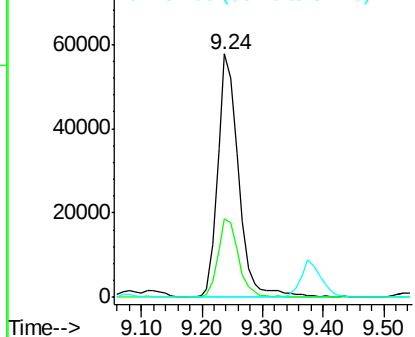
Isopropyl Acetate
 Concen: 24.629 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Tot Ion: 43 Resp: 137766
 Ion Ratio Lower Upper
 43 100
 61 32.4 25.8 38.6
 87 0.0 0.0 0.0



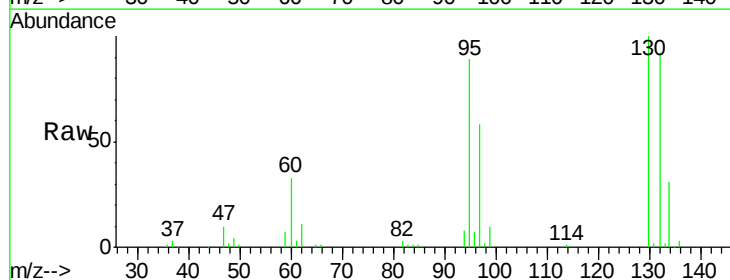
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



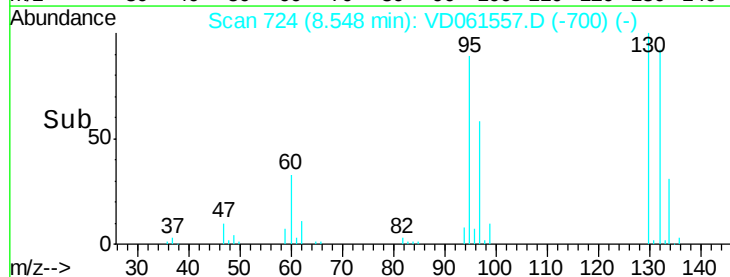
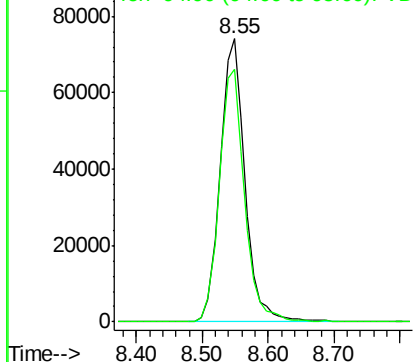
#44

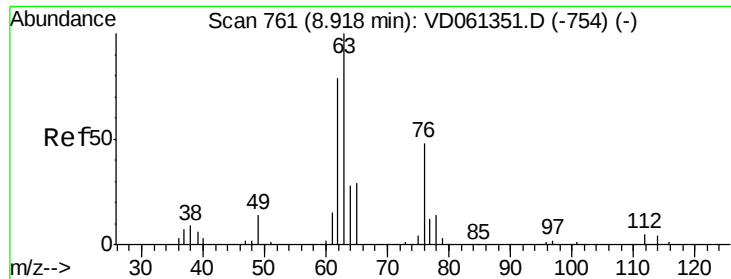
Trichloroethene
 Concen: 23.043 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:130 Resp: 193465
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 22.006 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

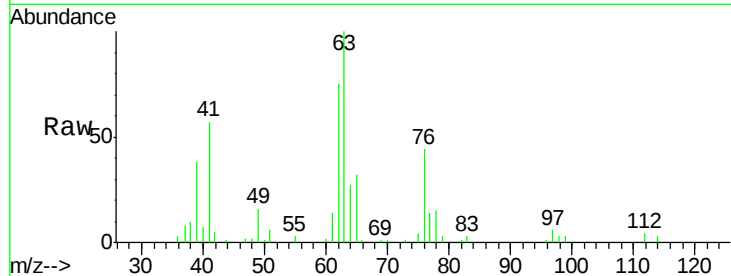
VD0403SBS01

Tot Ion: 63 Resp: 125885

Ion Ratio Lower Upper

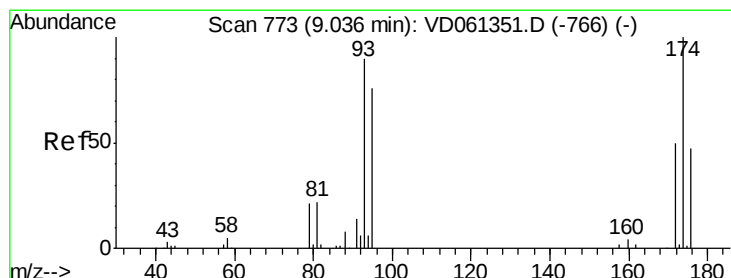
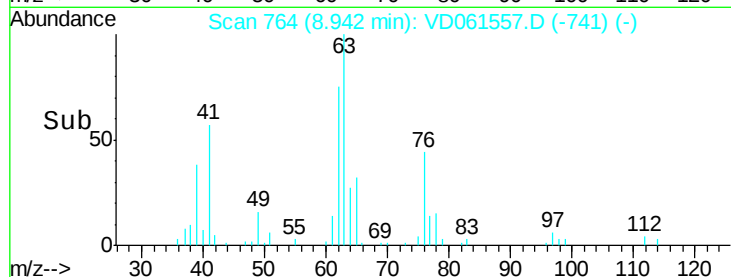
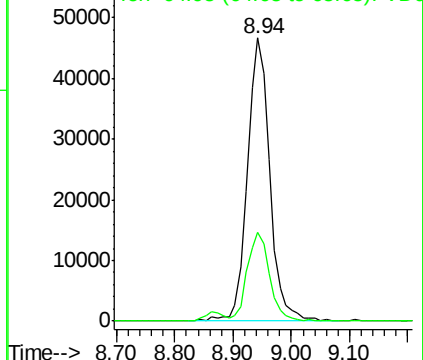
63 100

65 31.5 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: 23.535 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

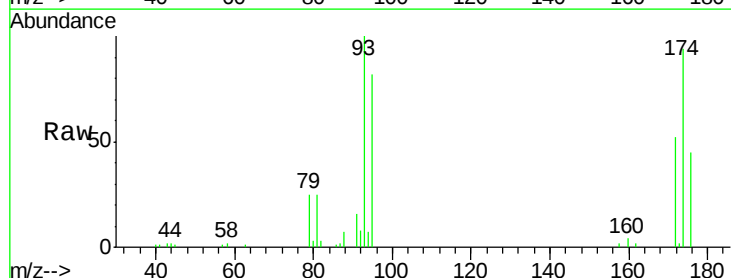
Tgt Ion: 93 Resp: 90617

Ion Ratio Lower Upper

93 100

95 82.0 67.4 101.0

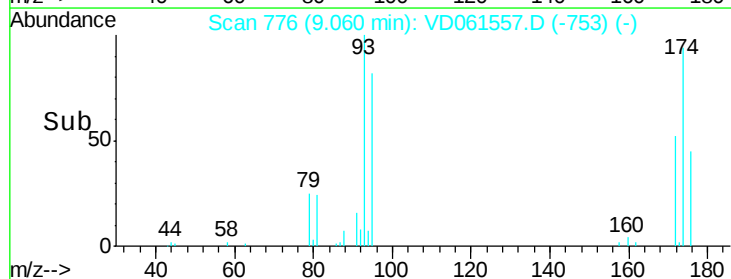
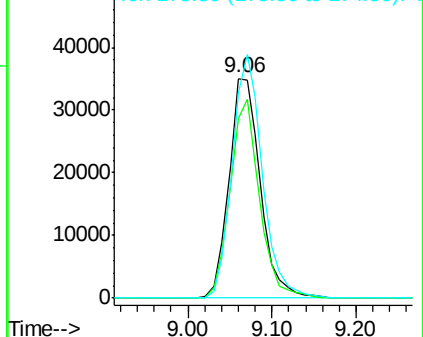
174 93.7 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.157 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

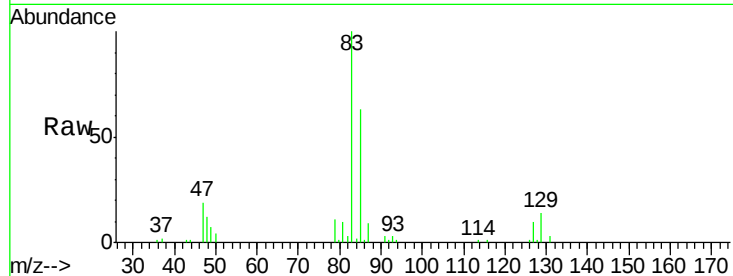
Tot Ion: 83 Resp: 200125

Ion Ratio Lower Upper

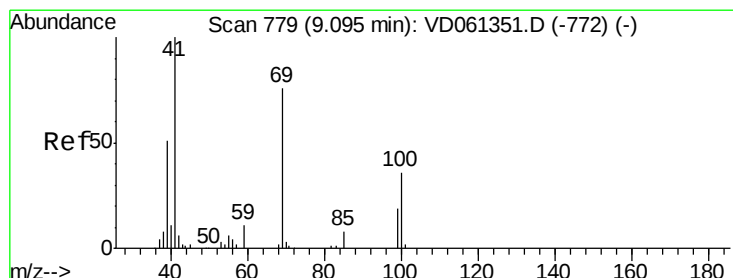
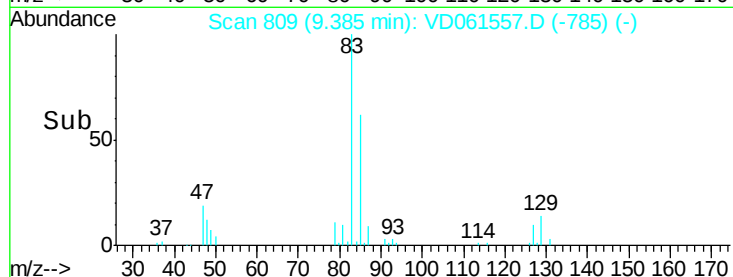
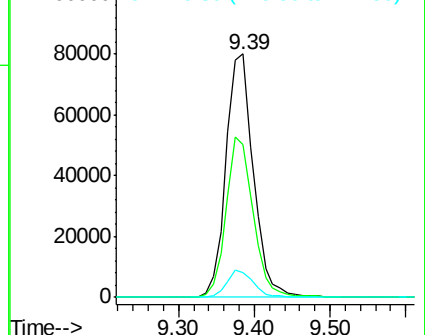
83 100

85 63.0 53.0 79.4

127 10.3 8.4 12.6



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



#48

Methyl methacrylate

Concen: 25.420 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

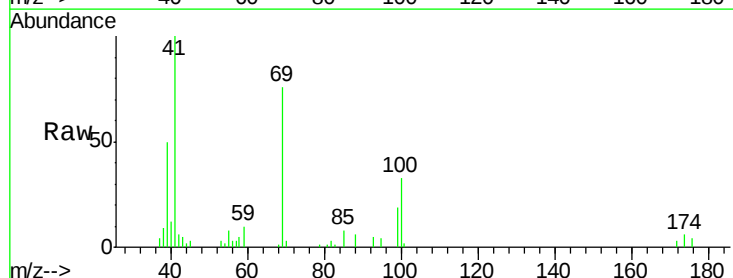
Tgt Ion: 41 Resp: 78472

Ion Ratio Lower Upper

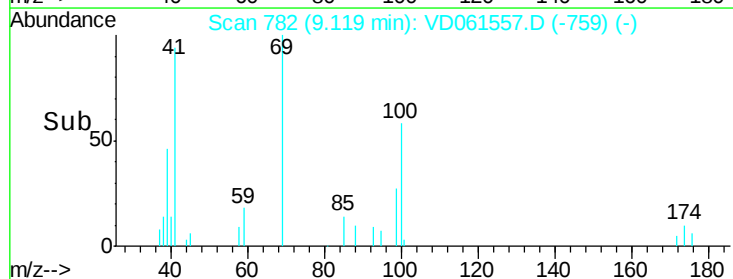
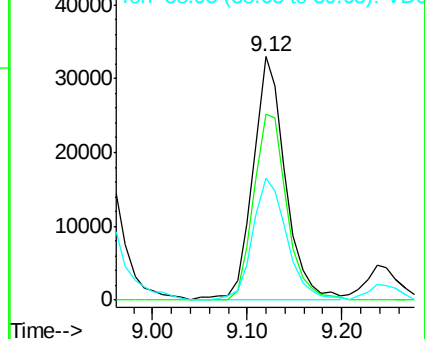
41 100

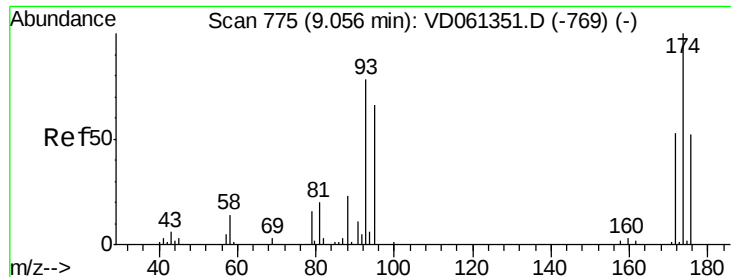
69 76.3 60.2 90.4

39 50.4 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

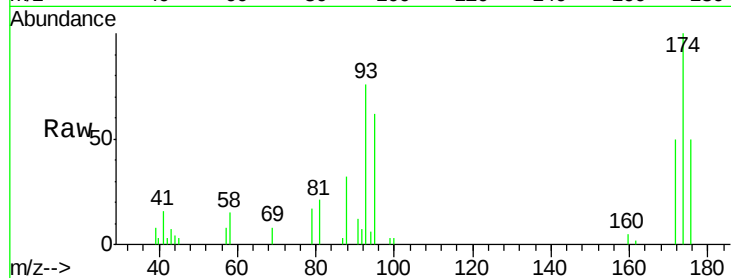




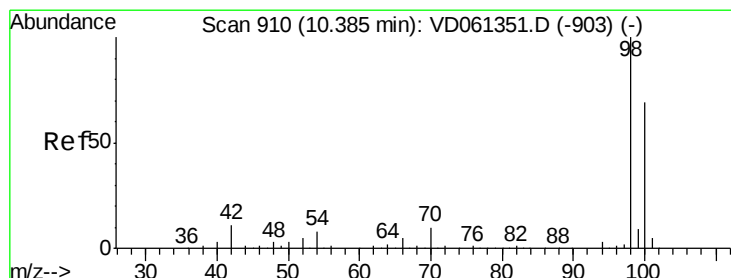
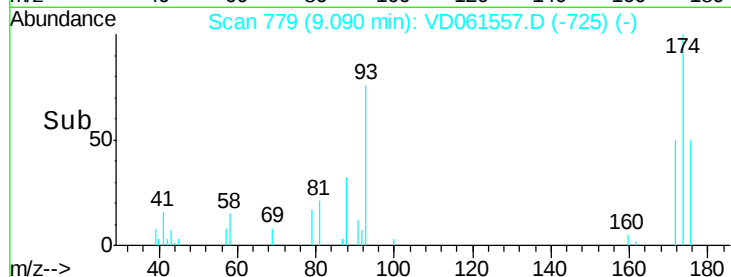
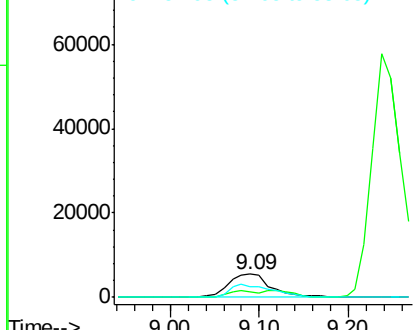
#49
1,4-Dioxane
Concen: 539.243 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 88 Resp: 18361
Ion Ratio Lower Upper
88 100
43 22.6 23.3 34.9#
58 45.8 50.8 76.2#

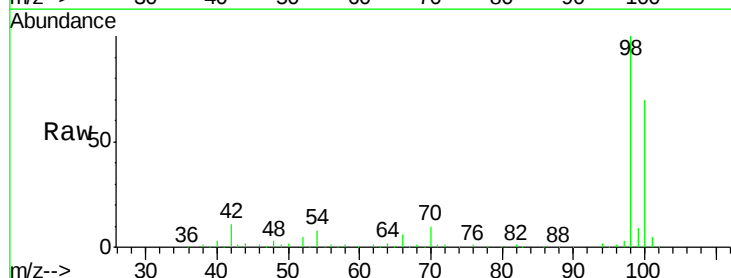


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

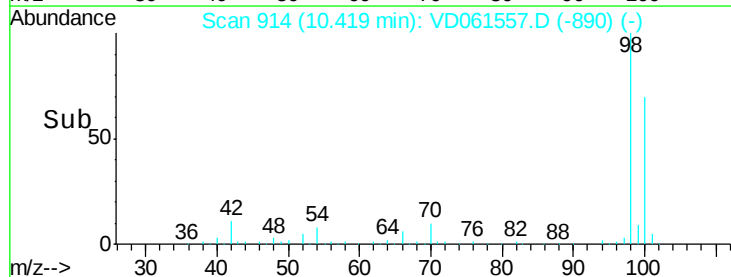
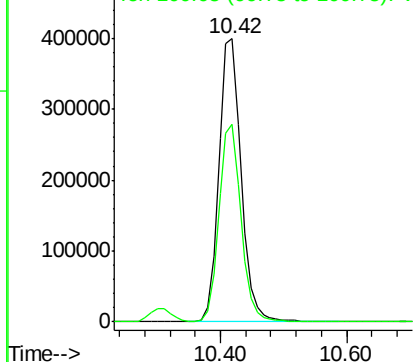


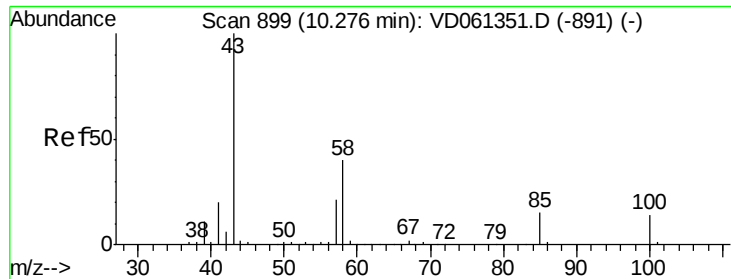
#50
Toluene-d8
Concen: 539.243 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 98 Resp: 990433
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 110.591 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

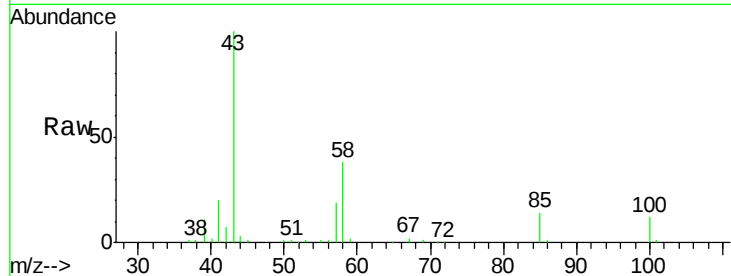
VD0403SBS01

Tot Ion: 43 Resp: 376349

Ion Ratio Lower Upper

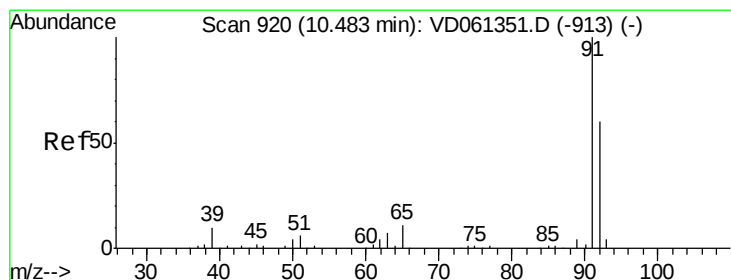
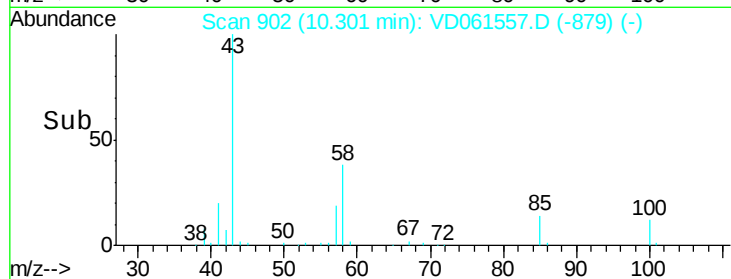
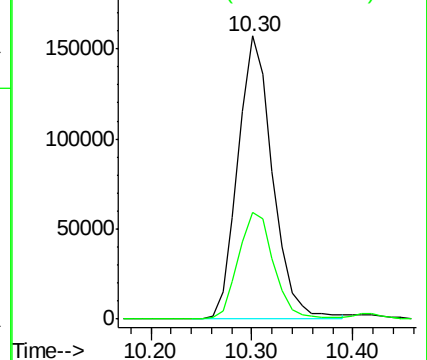
43 100

58 37.7 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: 25.345 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061557.D

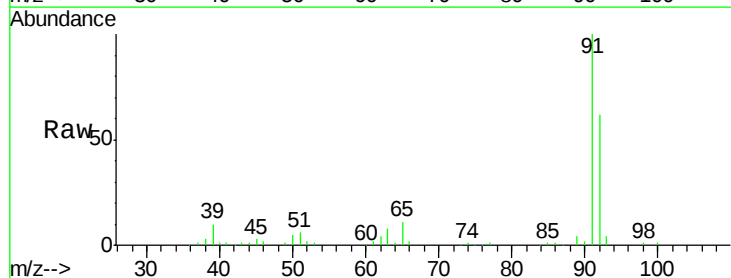
Acq: 3 Apr 2019 15:57

Tgt Ion: 92 Resp: 348827

Ion Ratio Lower Upper

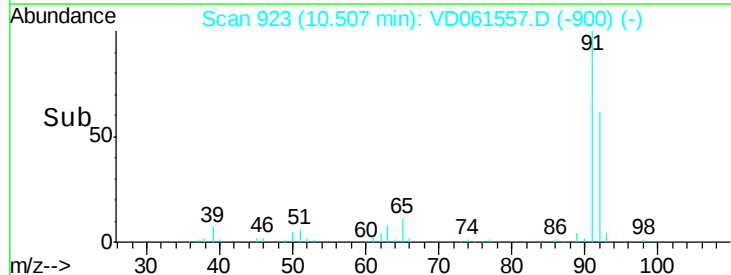
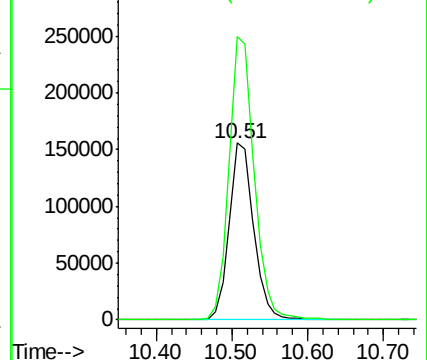
92 100

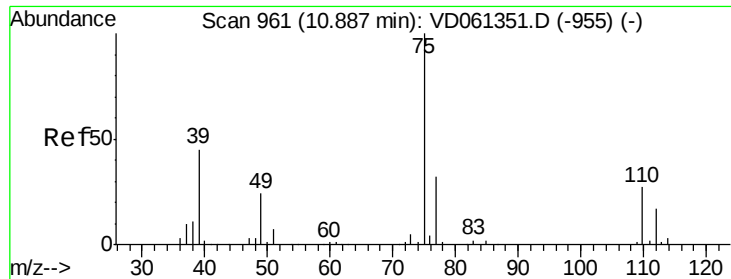
91 160.1 133.3 199.9



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: 22.852 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

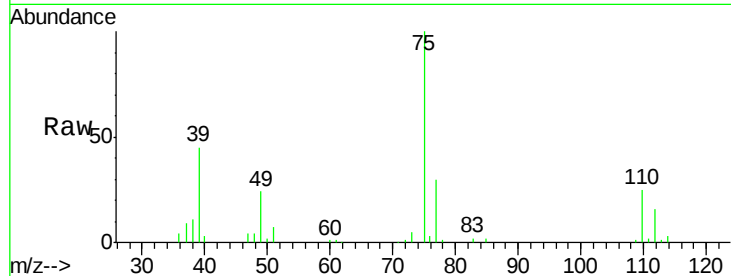
VD0403SBS01

Tot Ion: 75 Resp: 179427

Ion Ratio Lower Upper

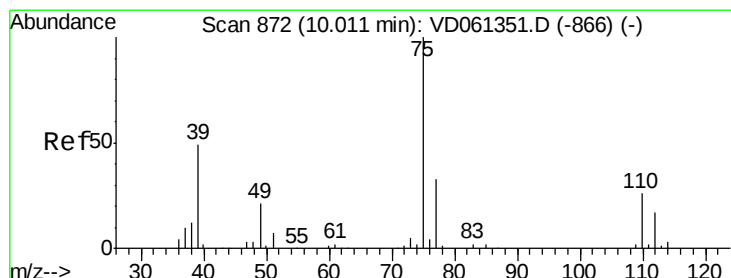
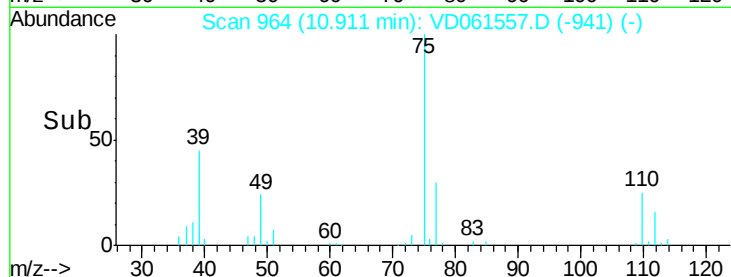
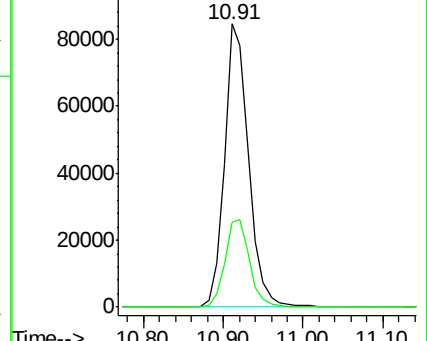
75 100

77 30.1 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: 24.949 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

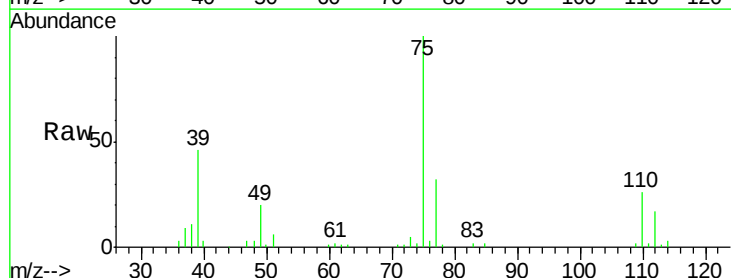
Tgt Ion: 75 Resp: 238530

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4

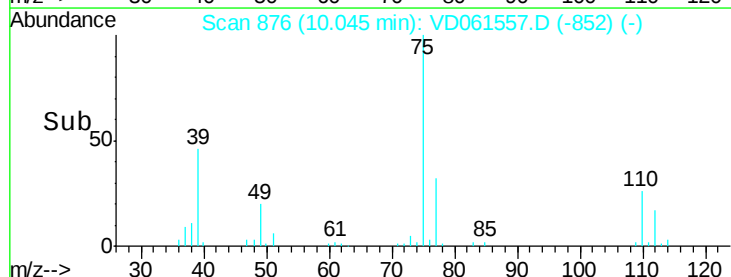
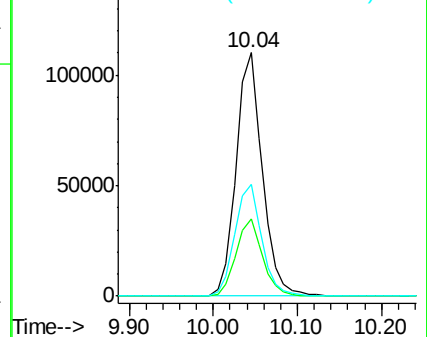
39 45.9 39.4 59.0

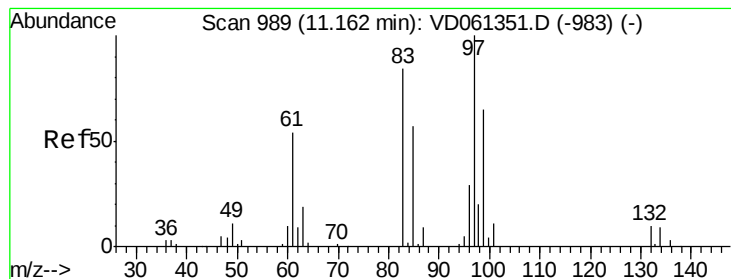


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 22.747 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

Tot Ion: 97 Resp: 109491

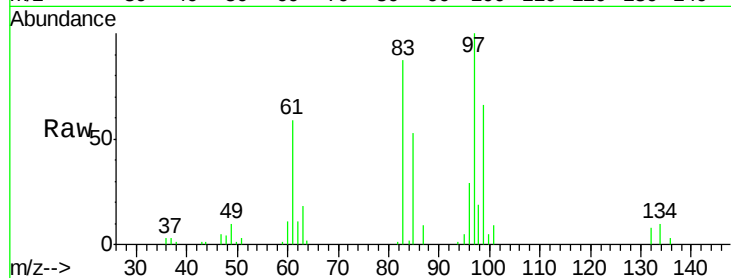
Ion Ratio Lower Upper

97 100

83 87.4 67.0 100.6

85 52.7 45.4 68.2

99 66.1 51.9 77.9

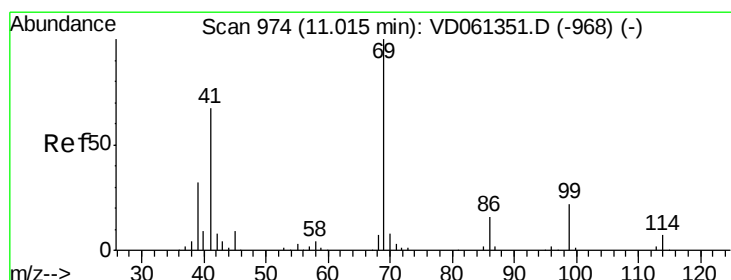
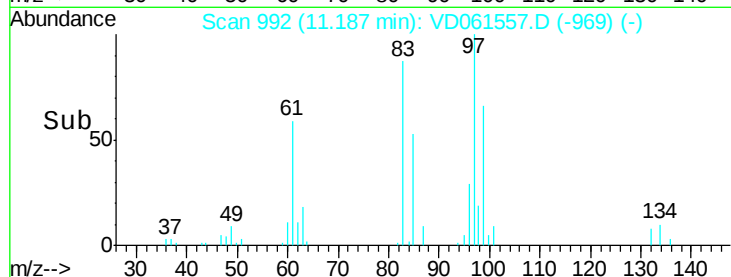
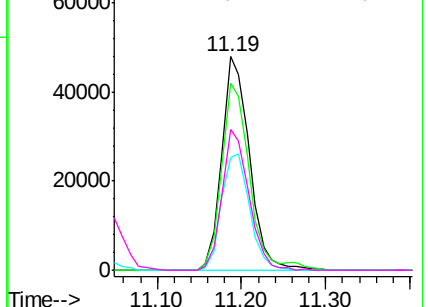


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.502 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.03 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

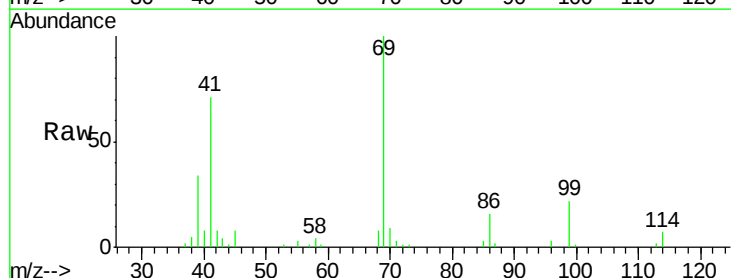
Tgt Ion: 69 Resp: 116354

Ion Ratio Lower Upper

69 100

41 71.3 53.8 80.6

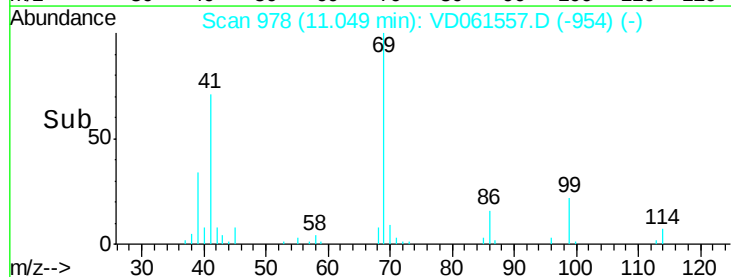
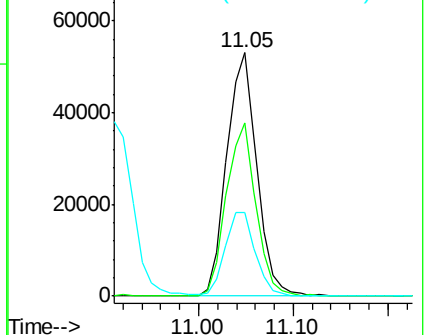
39 34.4 26.4 39.6

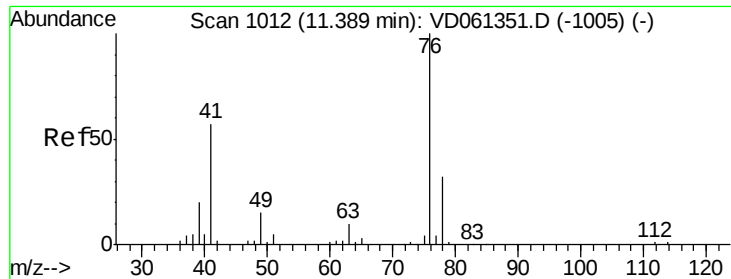


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

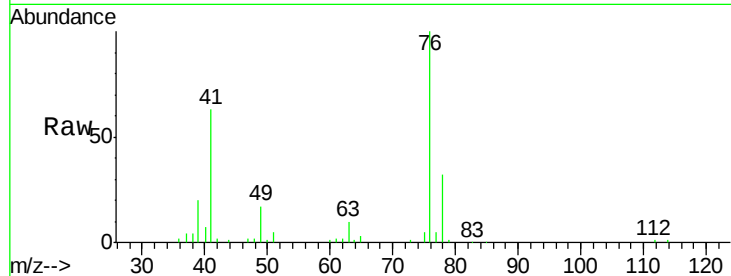




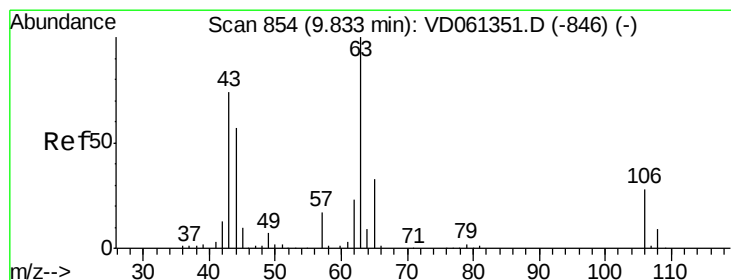
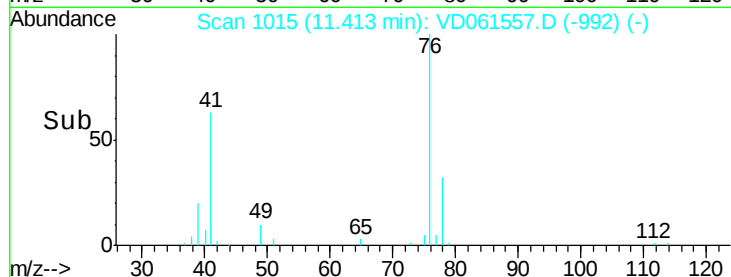
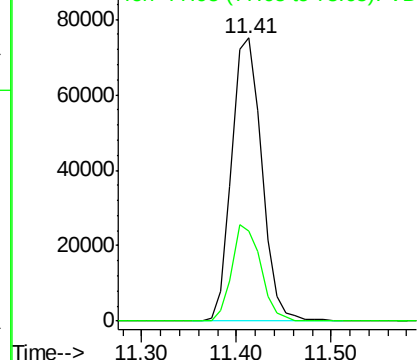
#57
 1,3-Dichloropropane
 Concen: 23.436 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Tot Ion: 76 Resp: 165802
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

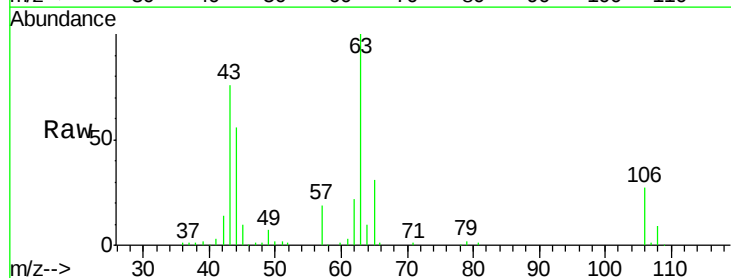


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

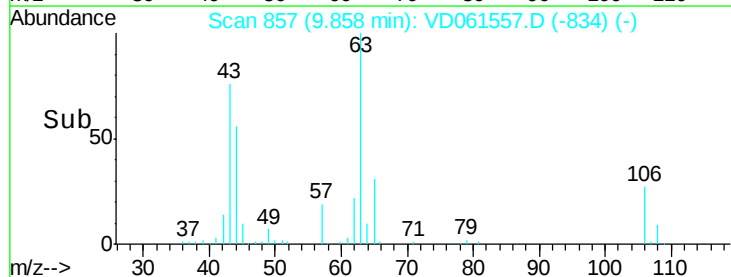
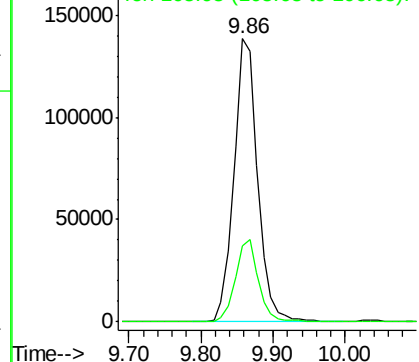


#58
 2-Chloroethyl Vinyl ether
 Concen: 125.841 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion: 63 Resp: 316889
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

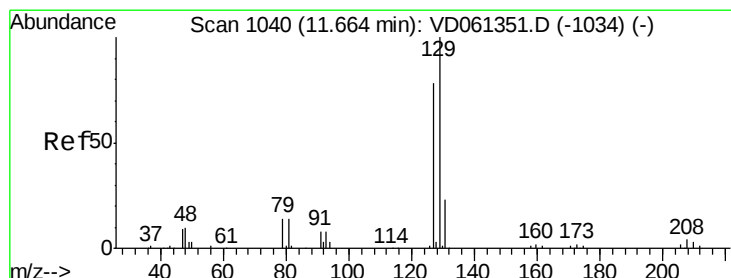
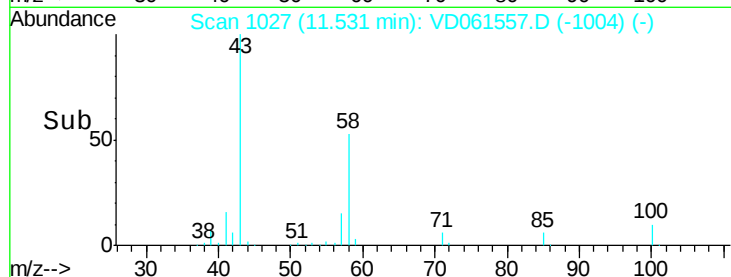
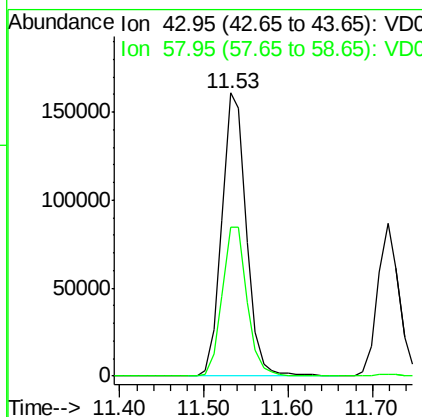
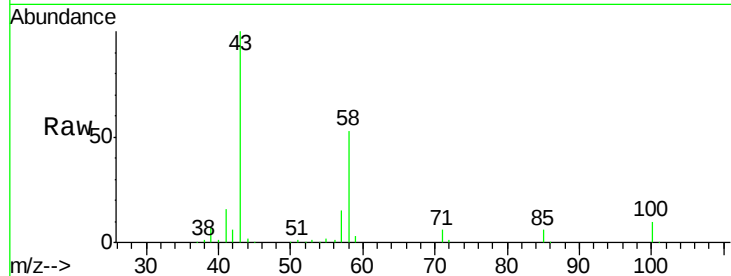




#59
2-Hexanone
Concen: 132.171 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

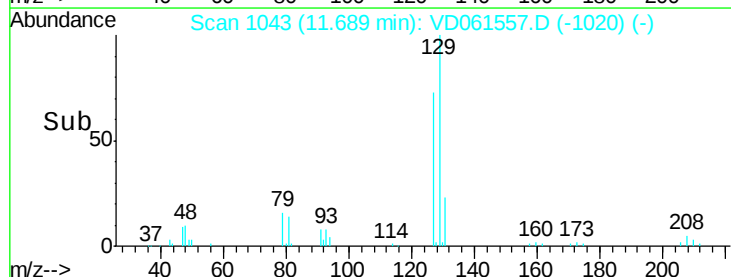
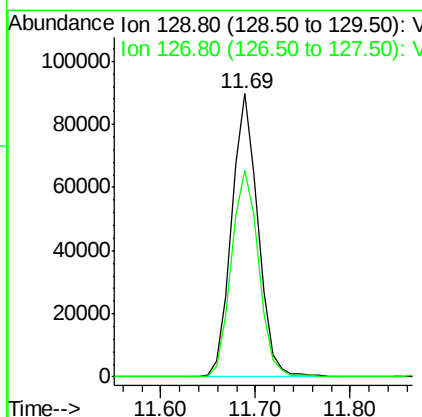
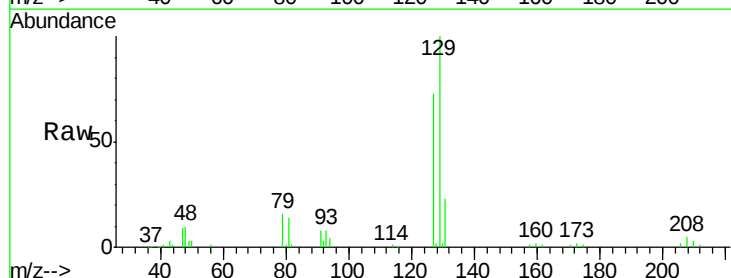
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 43 Resp: 325886
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 23.271 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 129 Resp: 172678
Ion Ratio Lower Upper
129 100
127 73.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 24.229 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

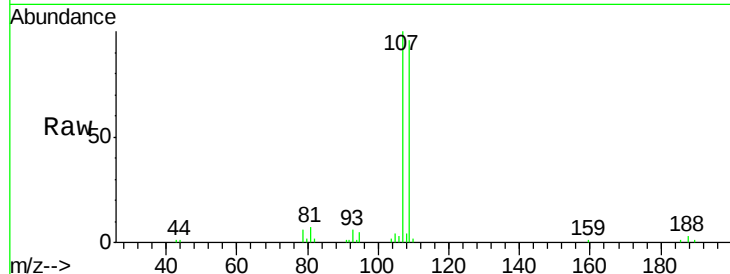
VD0403SBS01

Tot Ion: 107 Resp: 135042

Ion Ratio Lower Upper

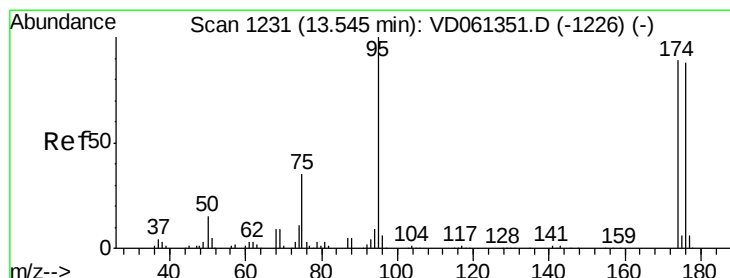
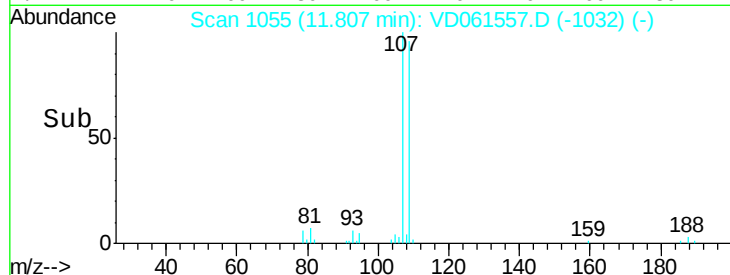
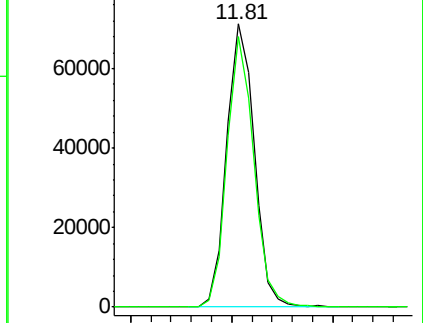
107 100

109 95.5 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 24.229 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

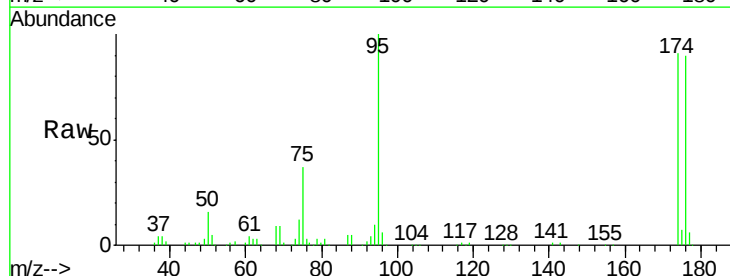
Tgt Ion: 95 Resp: 382347

Ion Ratio Lower Upper

95 100

174 91.1 0.0 178.0

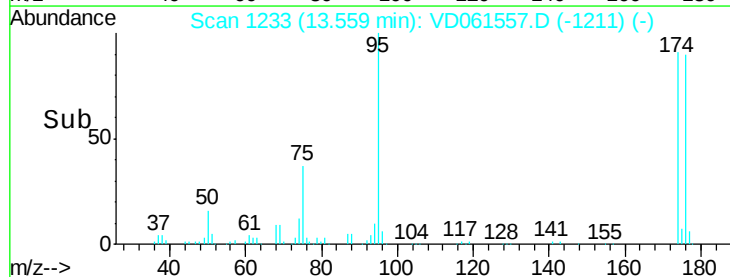
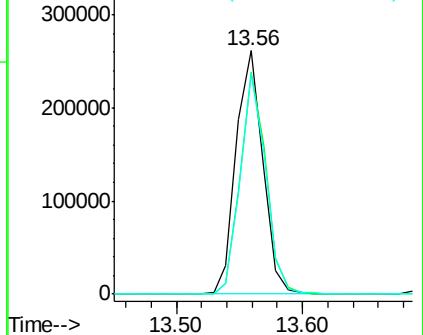
176 90.4 0.0 175.0

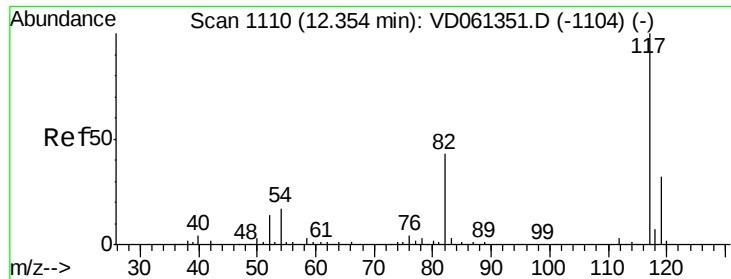


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

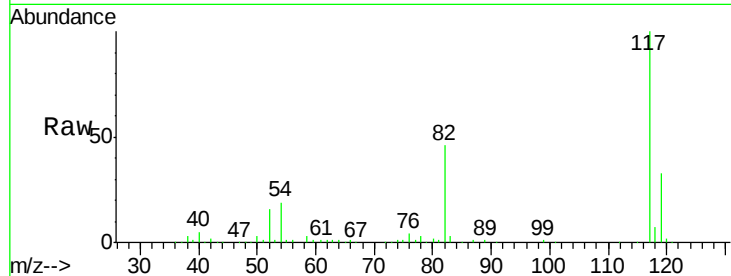




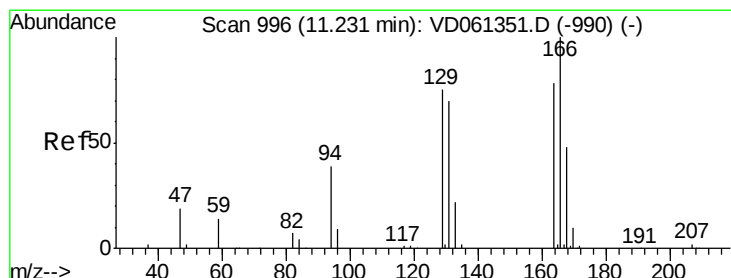
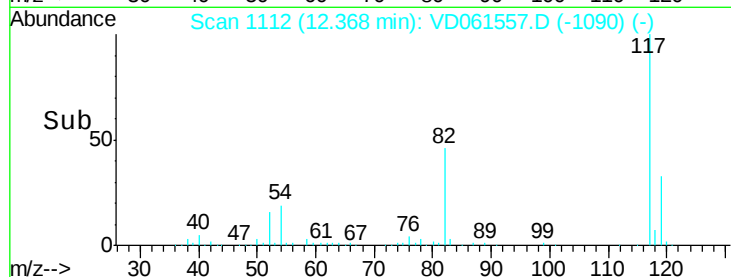
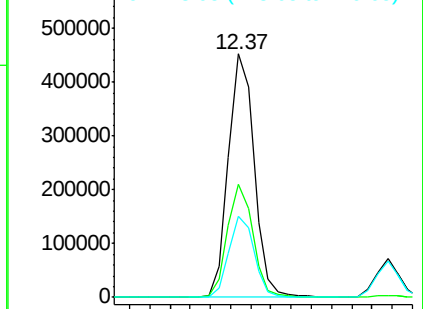
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion:117 Resp: 803200
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 33.5 25.8 38.6

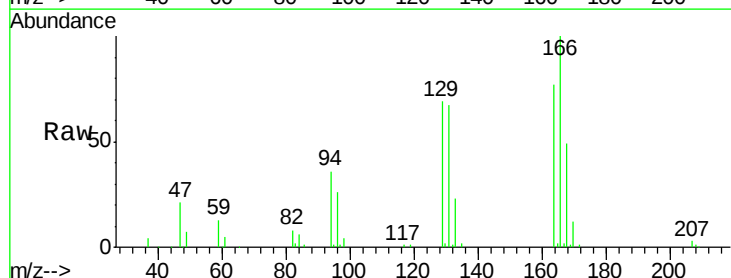


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

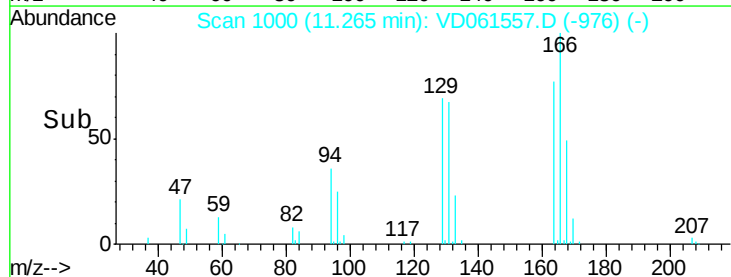
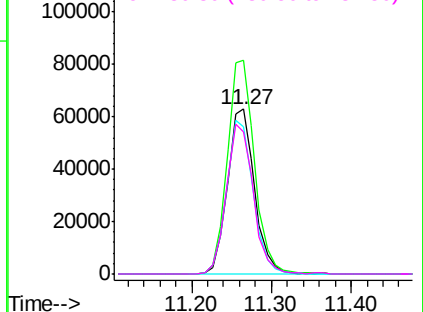


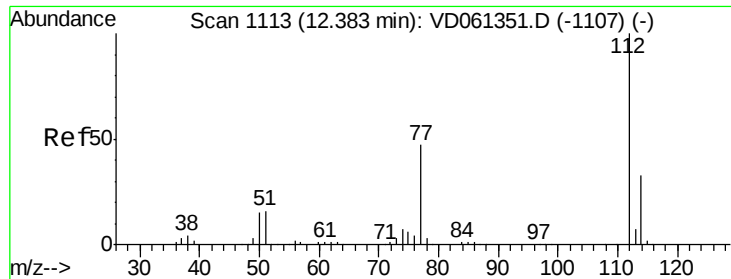
#64
Tetrachloroethene
Concen: 23.676 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:164 Resp: 149243
Ion Ratio Lower Upper
164 100
166 129.4 102.4 153.6
129 89.4 76.8 115.2
131 86.3 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

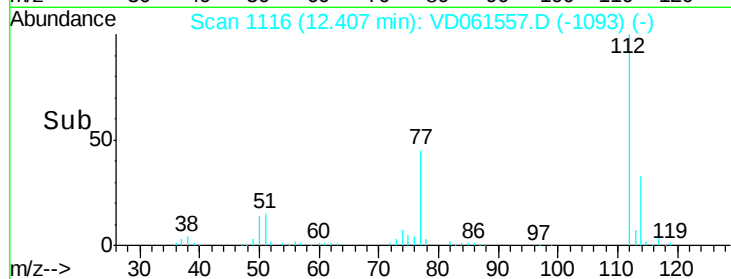
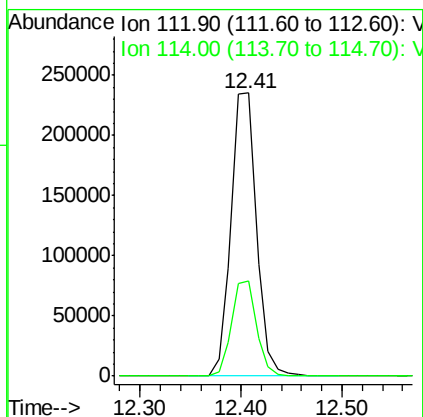
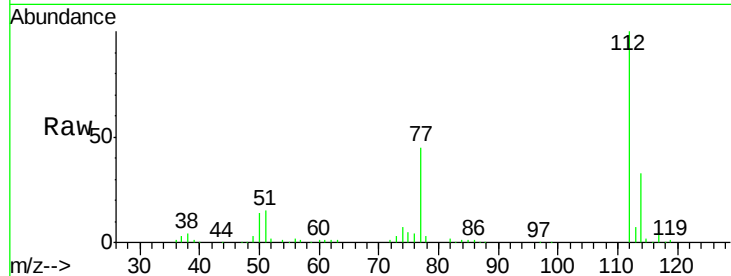




#65
Chlorobenzene
Concen: 25.121 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

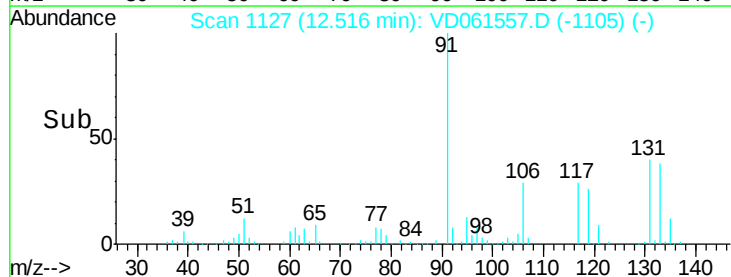
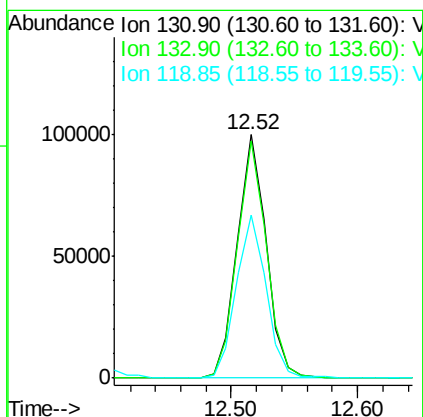
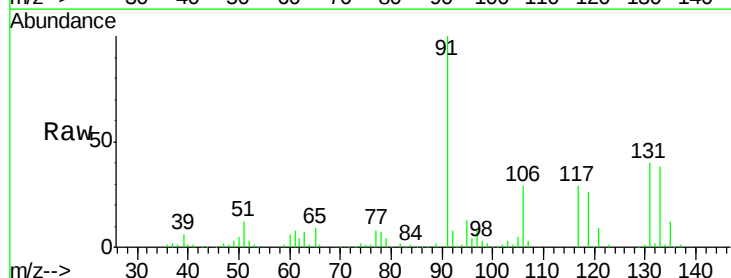
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

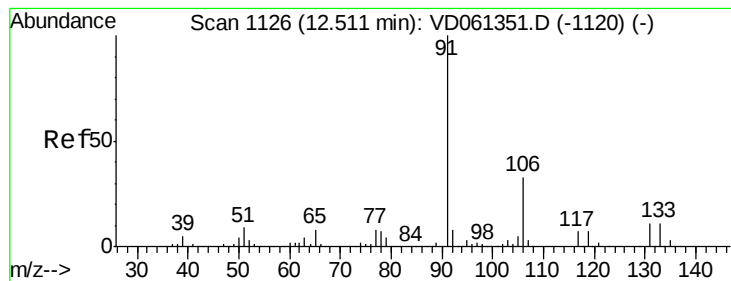
Tot Ion:112 Resp: 412354
Ion Ratio Lower Upper
112 100
114 33.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.032 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:131 Resp: 159091
Ion Ratio Lower Upper
131 100
133 97.2 49.4 148.2
119 66.8 34.1 102.2





#67

Ethyl Benzene

Concen: 25.779 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

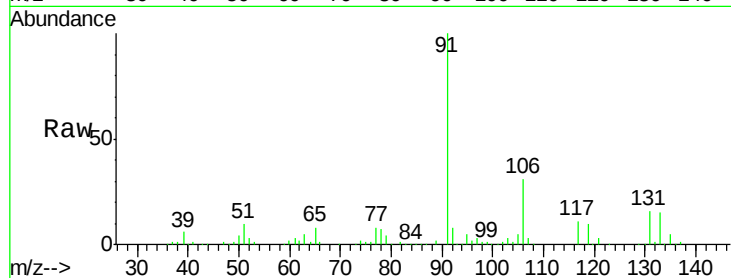
VD0403SBS01

Tot Ion: 91 Resp: 645903

Ion Ratio Lower Upper

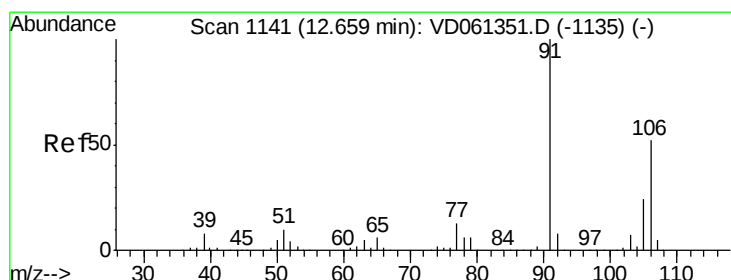
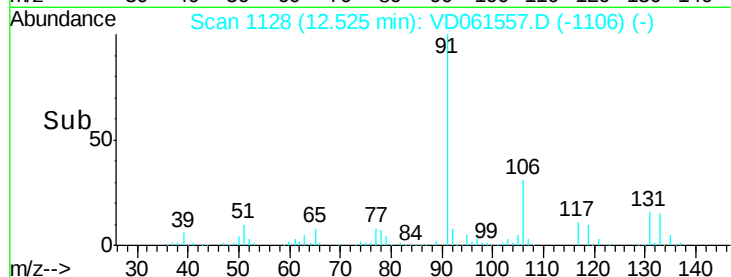
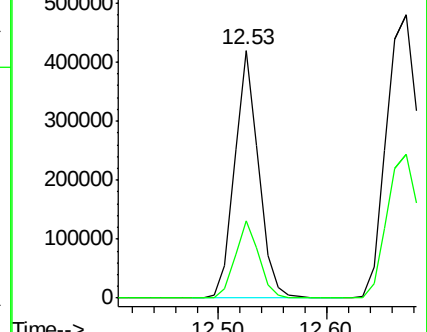
91 100

106 31.0 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 52.350 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD061557.D

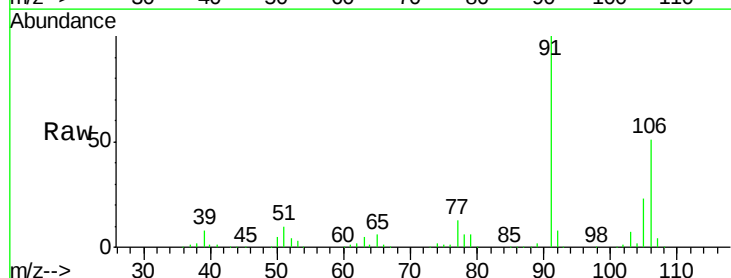
Acq: 3 Apr 2019 15:57

Tgt Ion:106 Resp: 496852

Ion Ratio Lower Upper

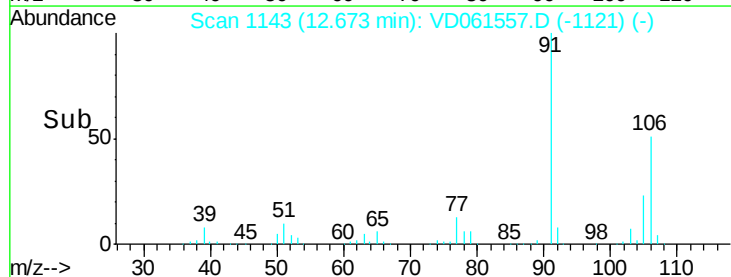
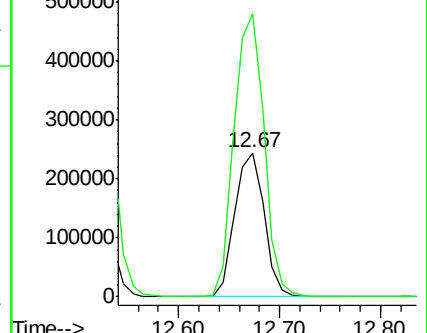
106 100

91 196.7 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

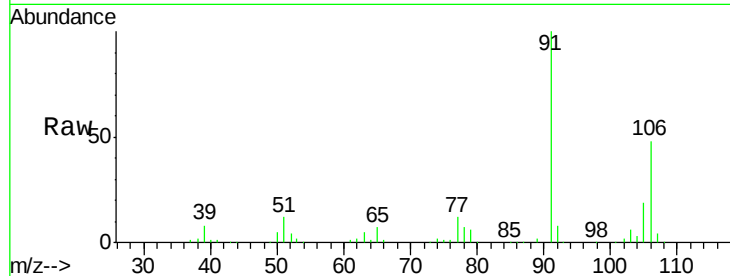




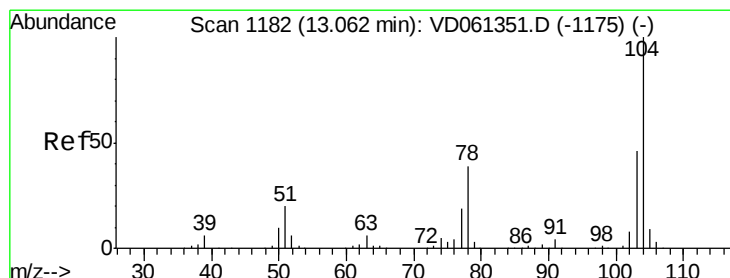
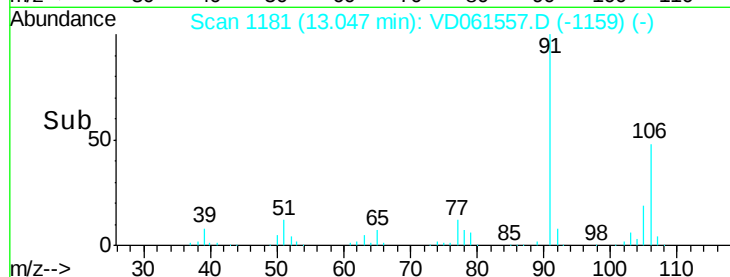
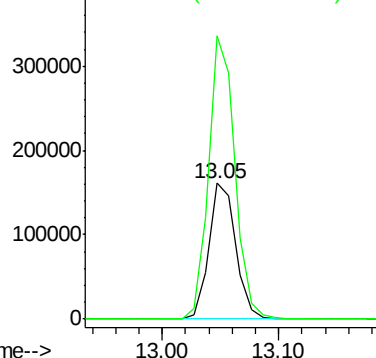
#69
o-Xylene
Concen: 27.792 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion:106 Resp: 255965
Ion Ratio Lower Upper
106 100
91 208.8 103.8 311.3

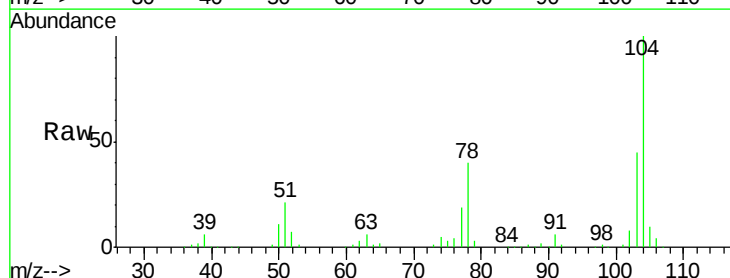


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

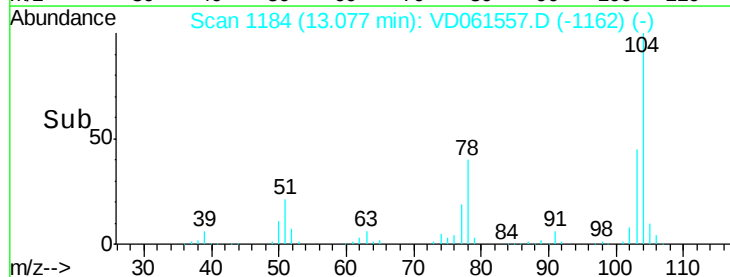
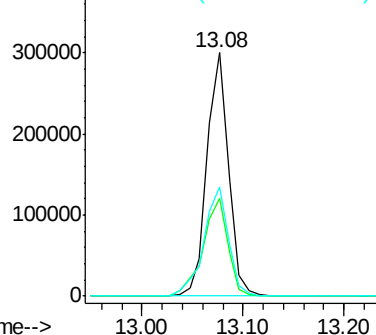


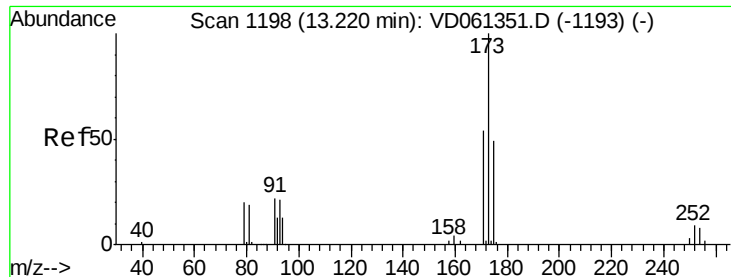
#70
Styrene
Concen: 27.480 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:104 Resp: 441190
Ion Ratio Lower Upper
104 100
78 40.1 31.0 46.6
103 45.0 37.0 55.4



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

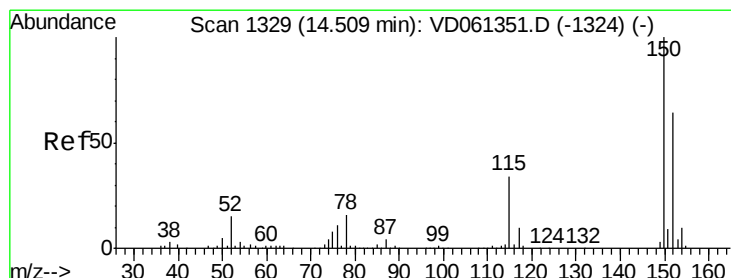
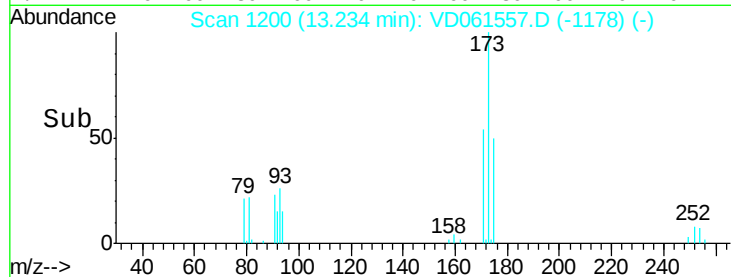
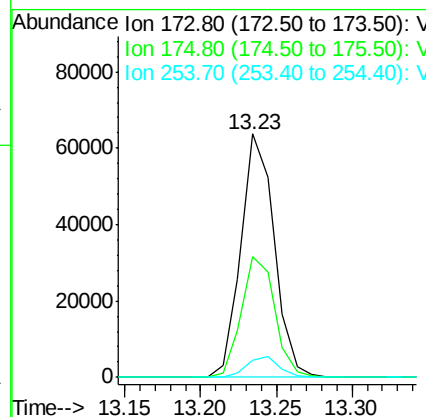
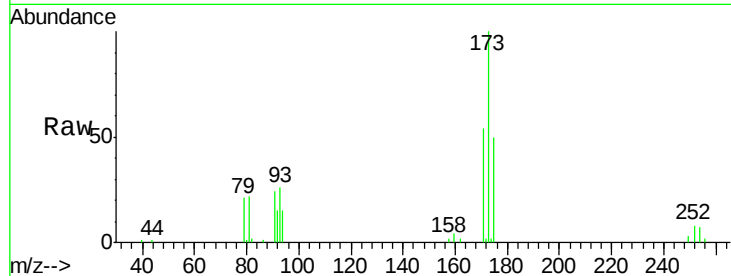




#71
Bromoform
Concen: 24.182 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

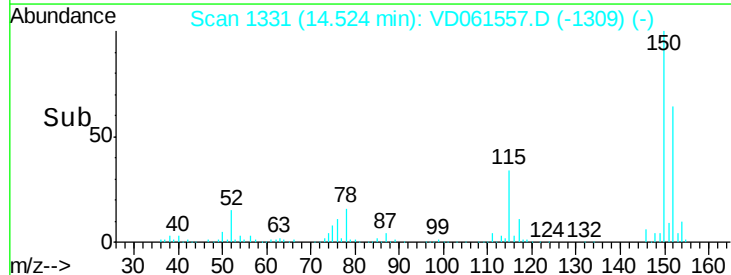
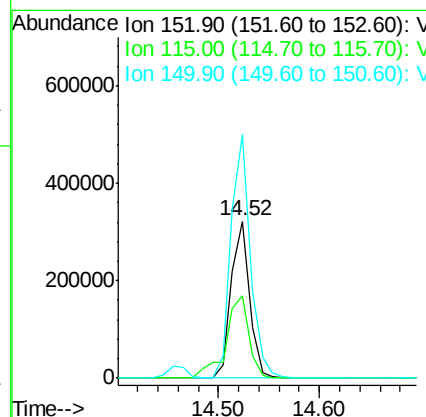
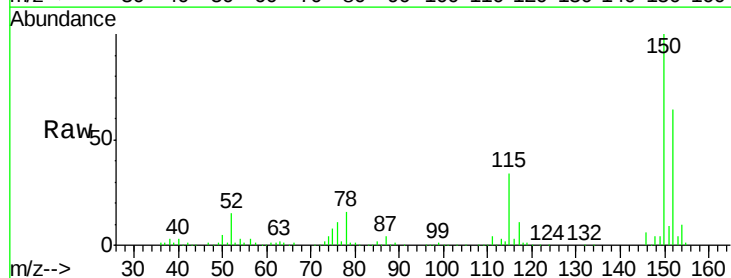
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion:173 Resp: 97425
Ion Ratio Lower Upper
173 100
175 49.8 24.6 73.8
254 7.1 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:152 Resp: 408623
Ion Ratio Lower Upper
152 100
115 52.6 26.9 80.6
150 155.2 0.0 318.0





#73

Isopropylbenzene

Concen: 22.876 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

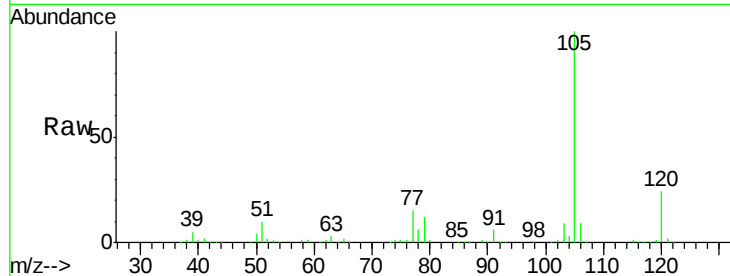
VD0403SBS01

Tot Ion:105 Resp: 650594

Ion Ratio Lower Upper

105 100

120 24.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

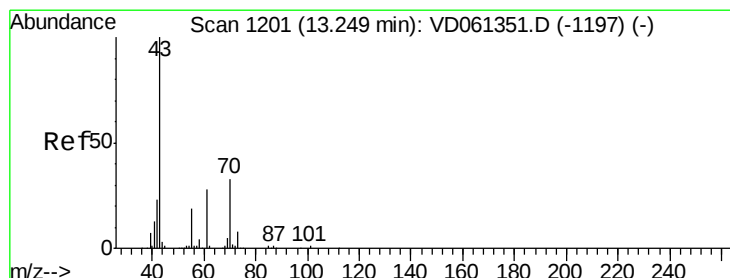
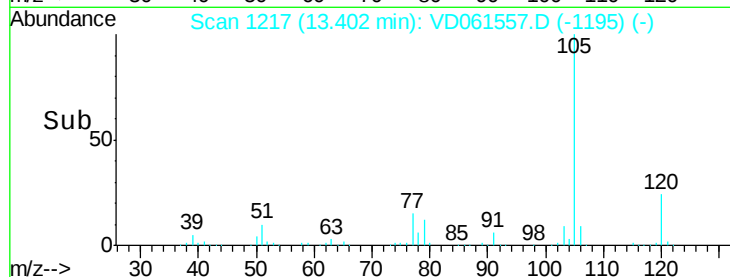
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.443 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Tgt Ion: 43 Resp: 177807

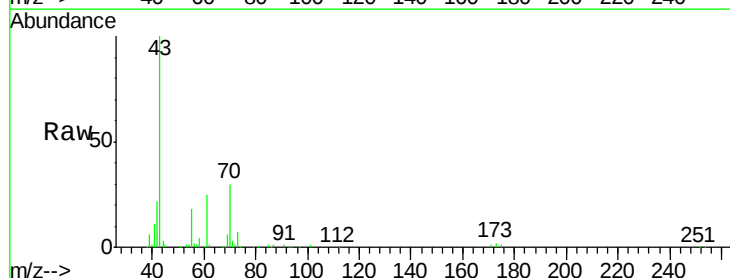
Ion Ratio Lower Upper

43 100

70 30.5 26.6 40.0

55 18.0 15.4 23.2

61 24.6 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.26

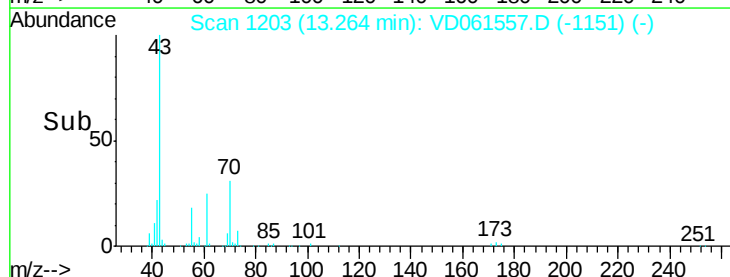
150000

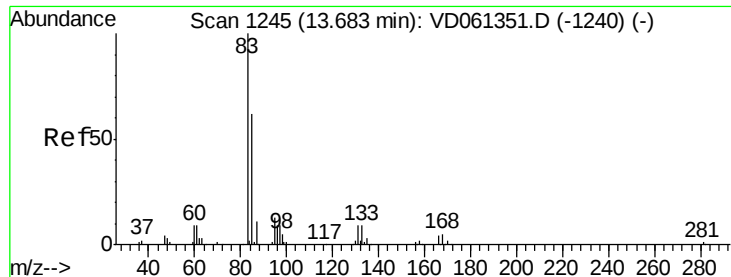
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.607 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

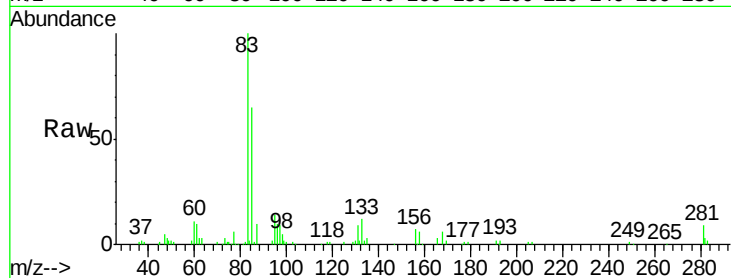
Tot Ion: 83 Resp: 129627

Ion Ratio Lower Upper

83 100

131 8.6 4.3 13.1

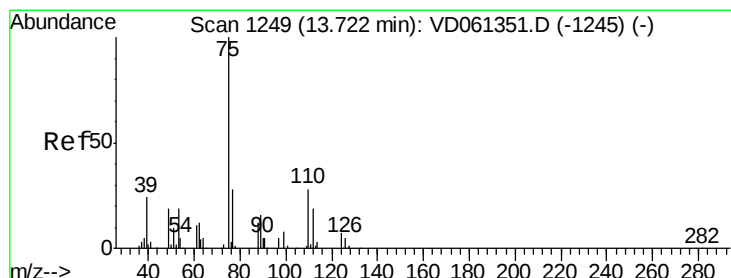
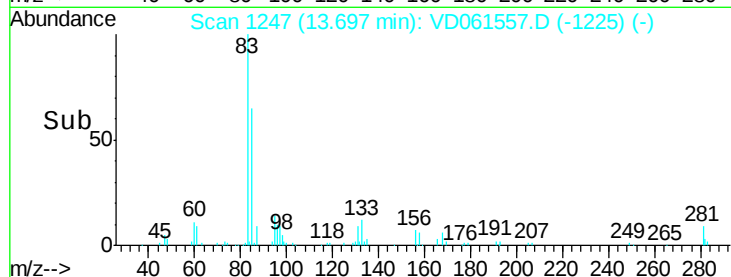
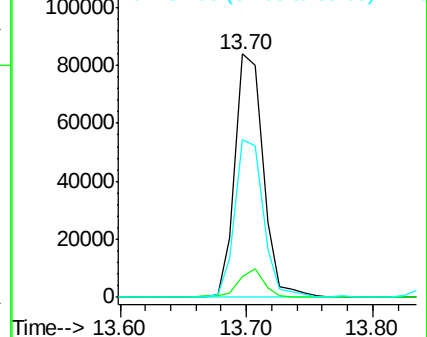
85 64.6 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.282 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061557.D

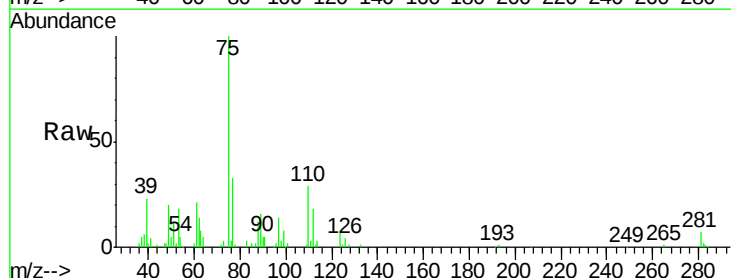
Acq: 3 Apr 2019 15:57

Tgt Ion: 75 Resp: 125621

Ion Ratio Lower Upper

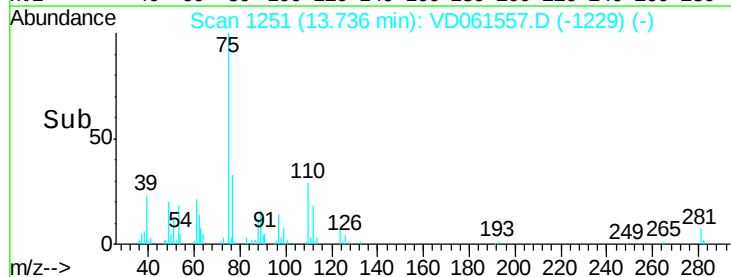
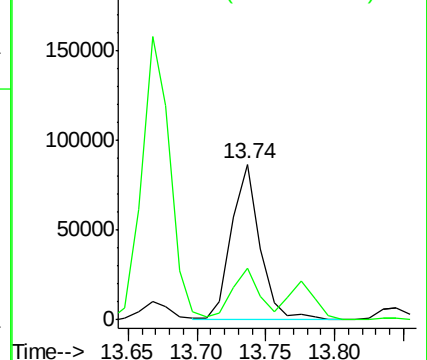
75 100

77 33.4 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.107 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

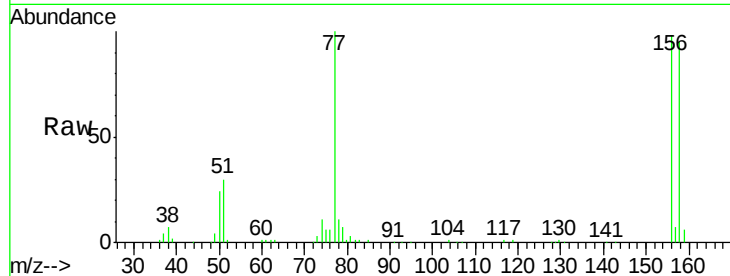
Tot Ion:156 Resp: 177960

Ion Ratio Lower Upper

156 100

77 102.5 68.5 205.6

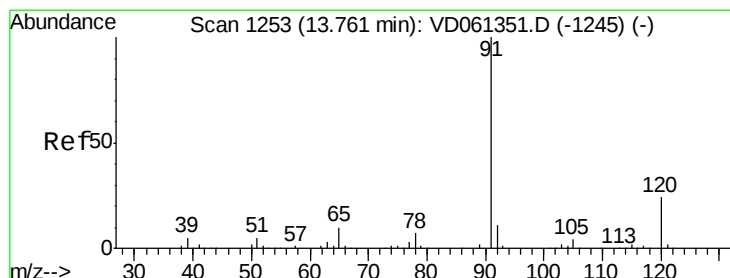
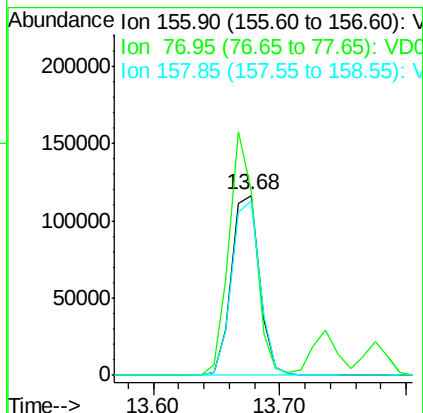
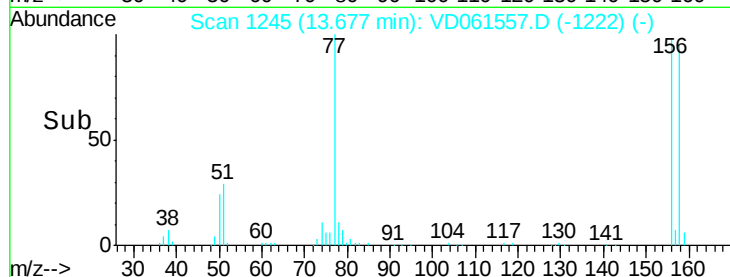
158 97.0 49.1 147.3



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: 23.503 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061557.D

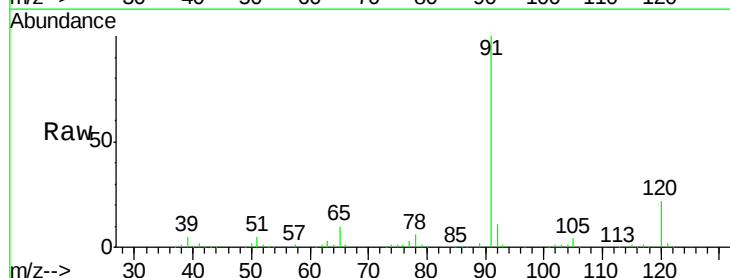
Acq: 3 Apr 2019 15:57

Tgt Ion: 91 Resp: 817978

Ion Ratio Lower Upper

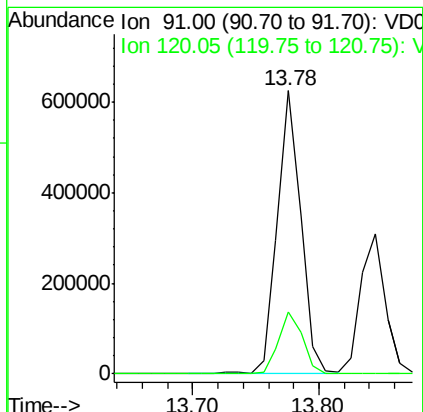
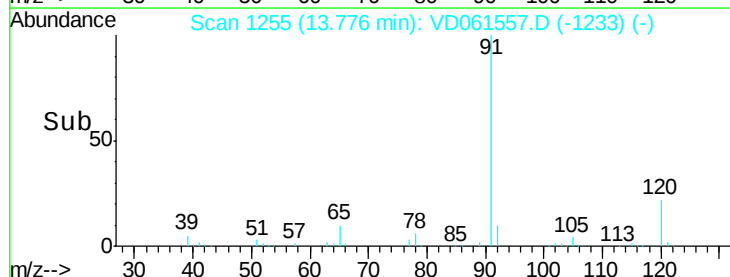
91 100

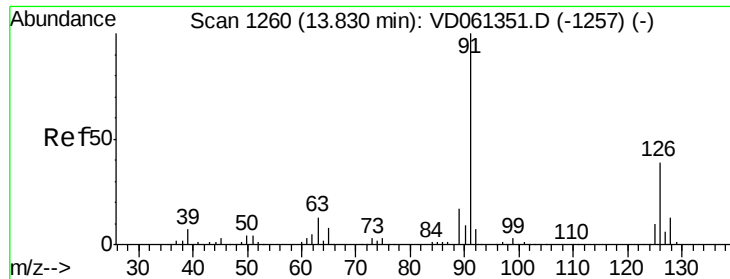
120 21.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

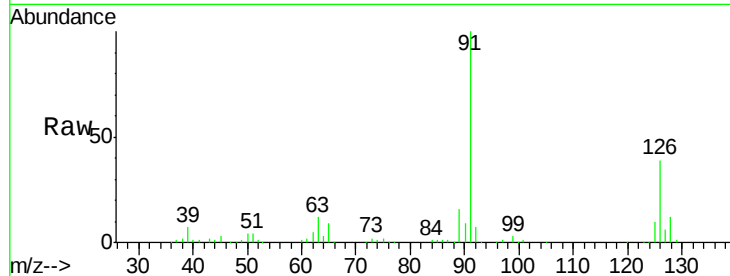




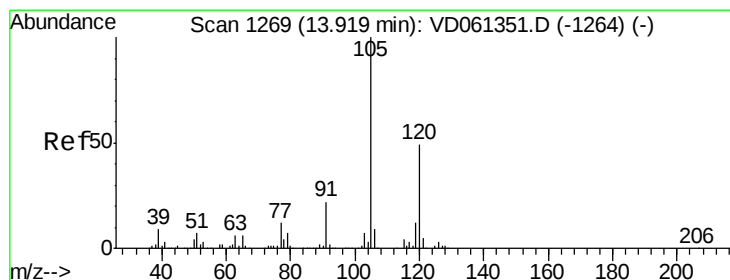
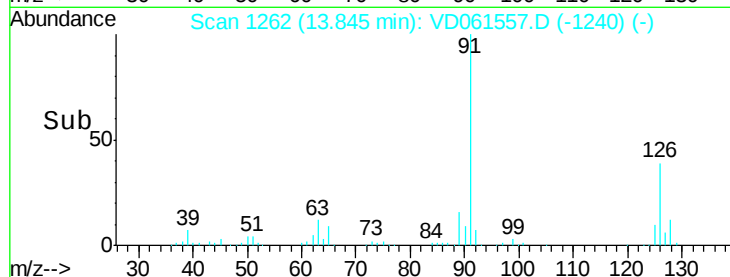
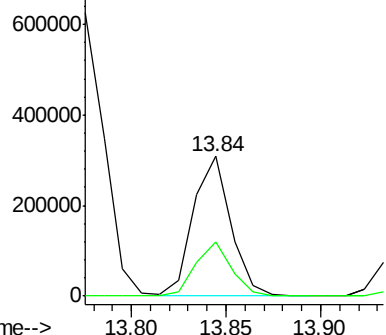
#79
2-Chlorotoluene
Concen: 22.394 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion: 91 Resp: 423183
Ion Ratio Lower Upper
91 100
126 39.1 19.4 58.2

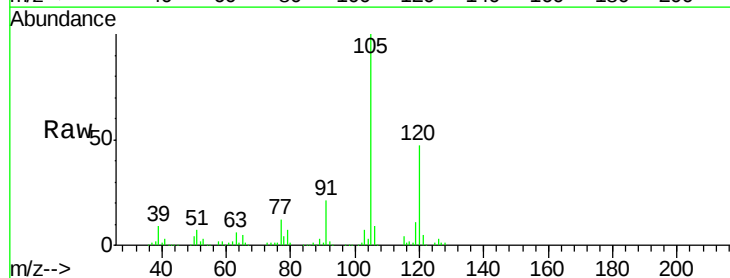


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

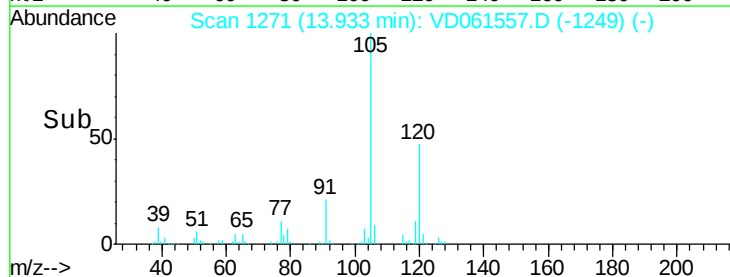
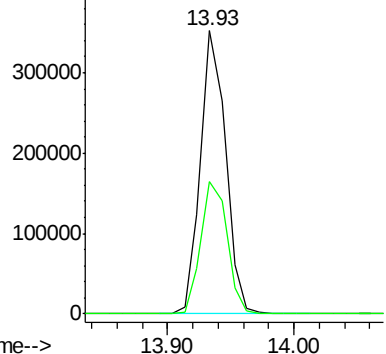


#80
1,3,5-Trimethylbenzene
Concen: 21.988 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:105 Resp: 485191
Ion Ratio Lower Upper
105 100
120 46.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.654 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

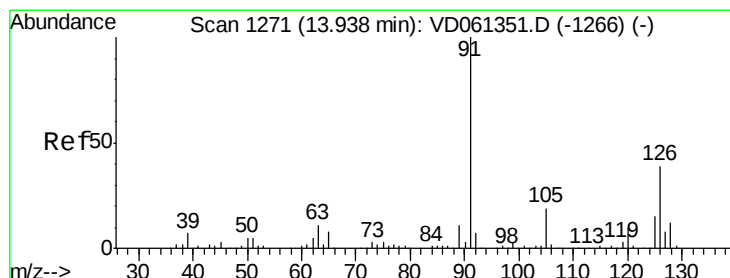
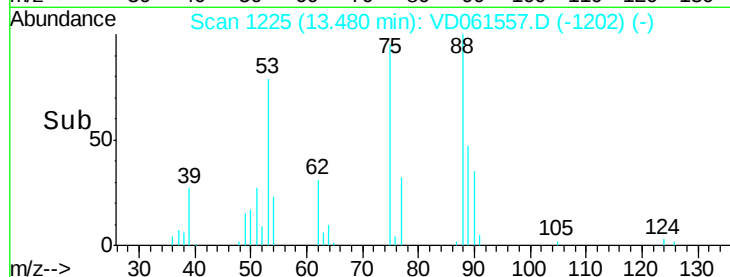
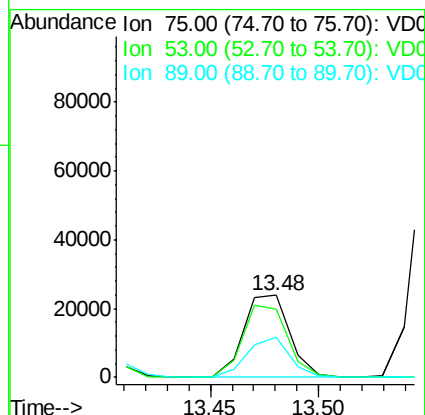
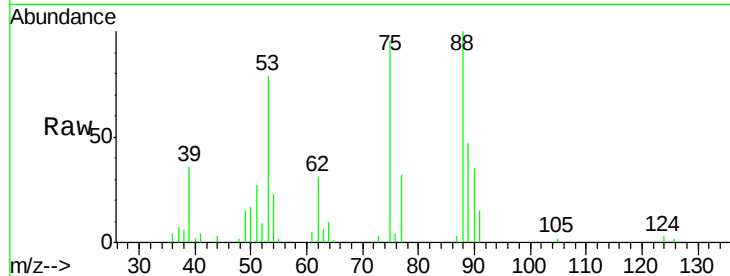
Tot Ion: 75 Resp: 35371

Ion Ratio Lower Upper

75 100

53 83.3 63.8 95.8

89 49.3 30.5 45.7#



#82

4-Chlorotoluene

Concen: 23.081 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061557.D

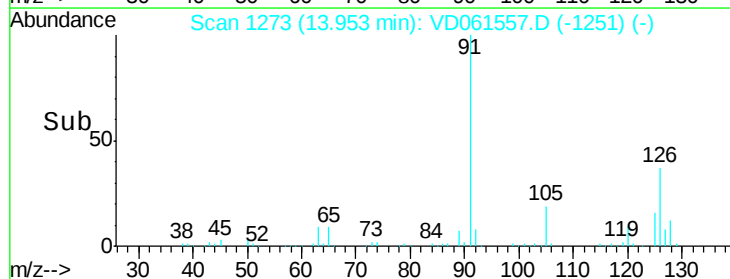
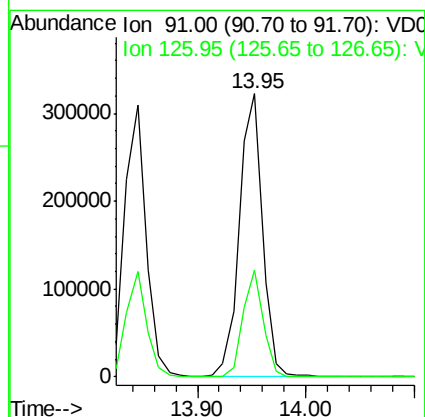
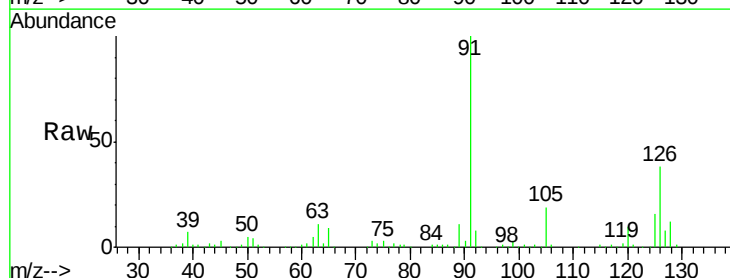
Acq: 3 Apr 2019 15:57

Tgt Ion: 91 Resp: 474256

Ion Ratio Lower Upper

91 100

126 37.8 19.6 58.8

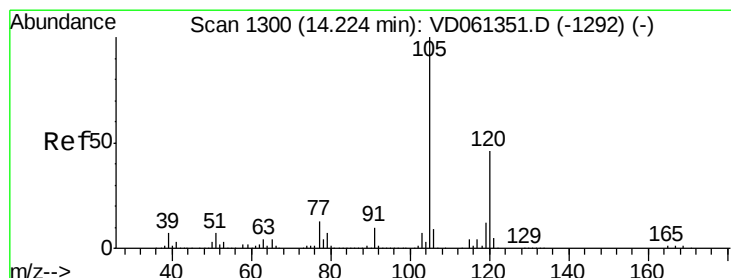
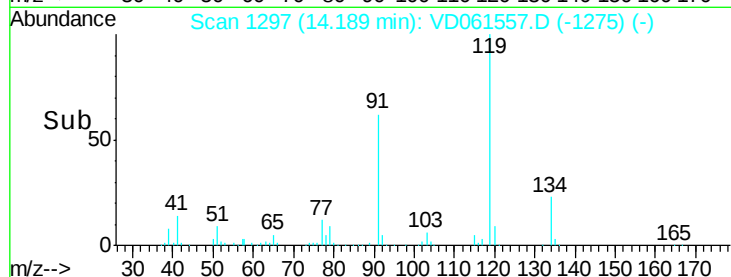
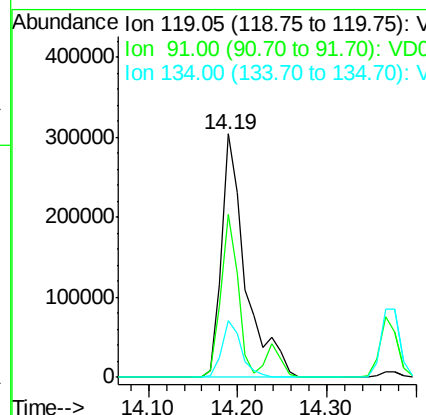
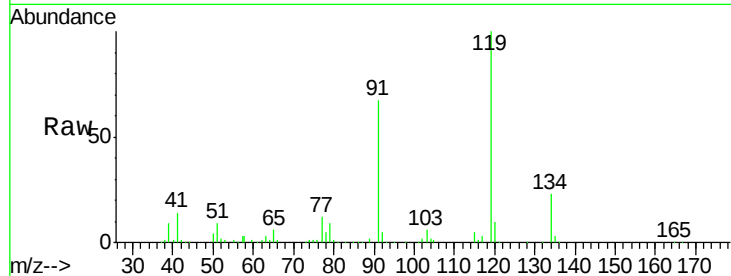




#83
tert-Butylbenzene
Concen: 20.868 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

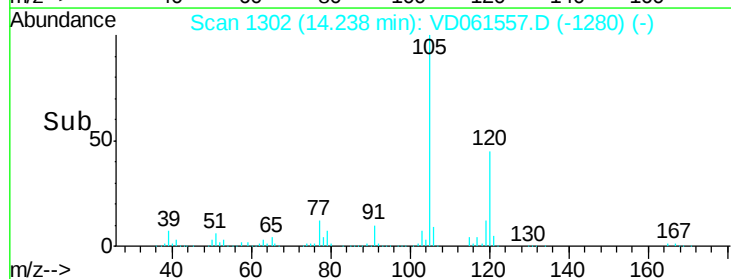
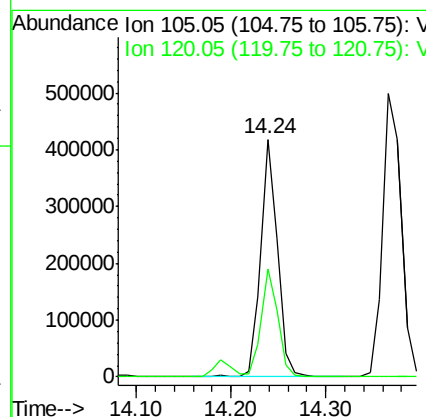
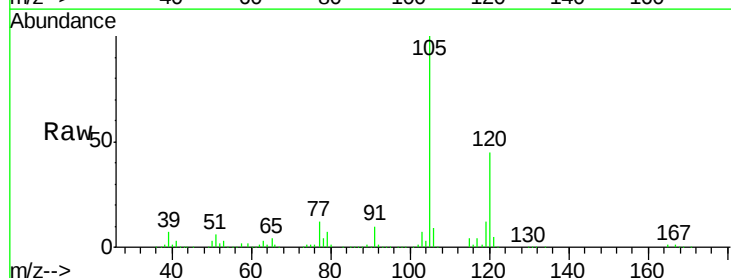
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion:119 Resp: 575475
Ion Ratio Lower Upper
119 100
91 66.7 34.1 102.3
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.566 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:105 Resp: 515187
Ion Ratio Lower Upper
105 100
120 45.4 22.8 68.4

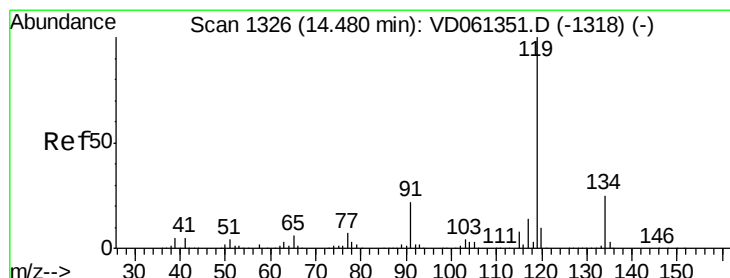
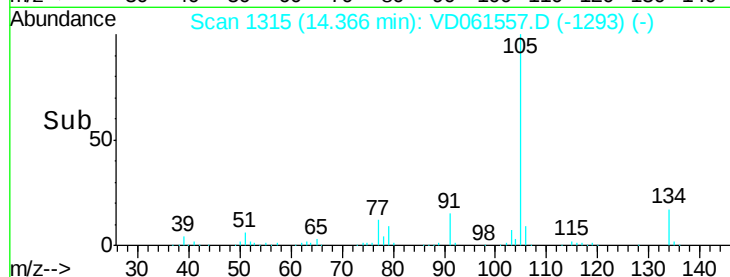
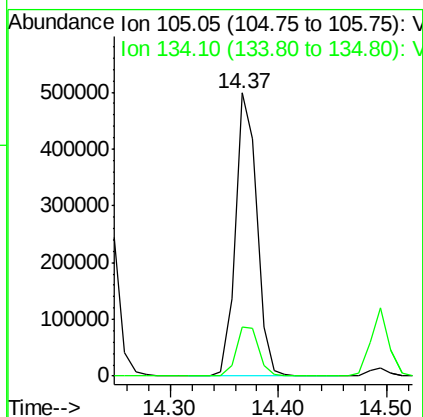
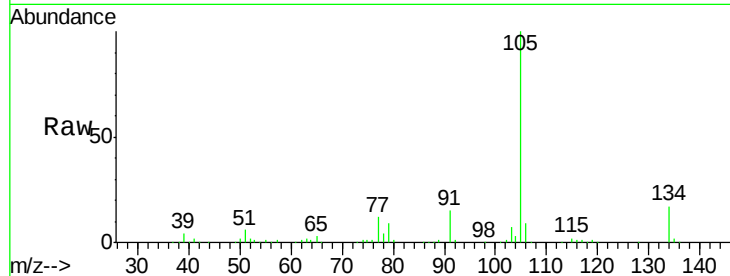




#85
 sec-Butylbenzene
 Concen: 23.354 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

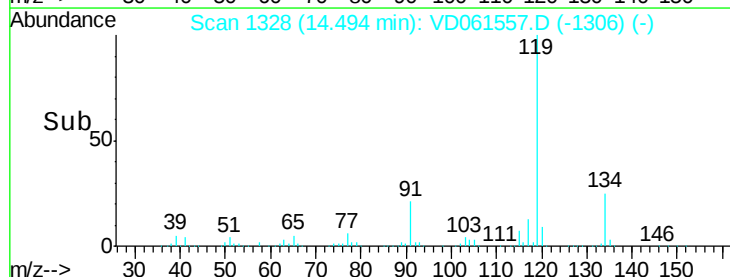
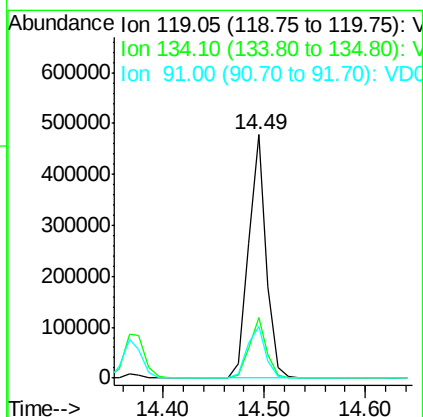
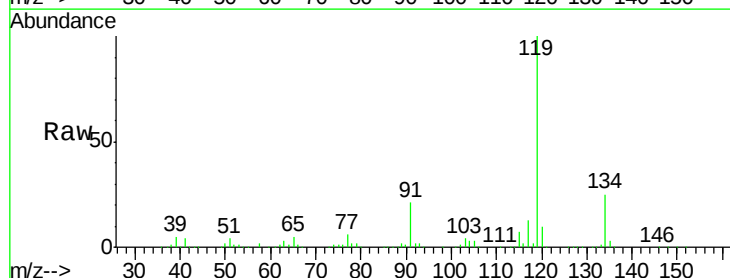
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0403SBS01

Tot Ion:105 Resp: 684166
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 23.370 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:119 Resp: 578936
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.3 36.8
 91 21.0 11.1 33.1

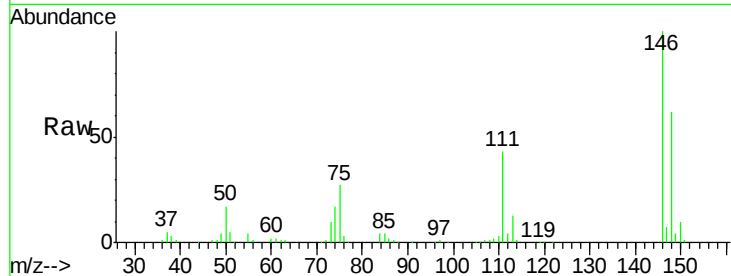




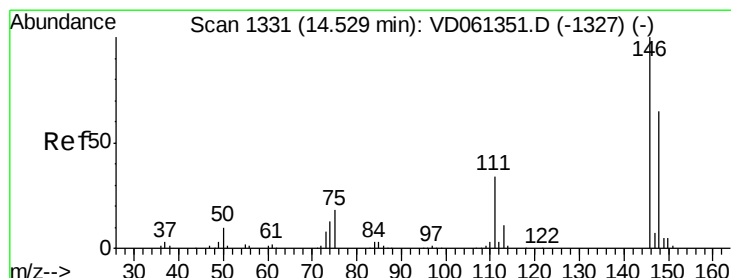
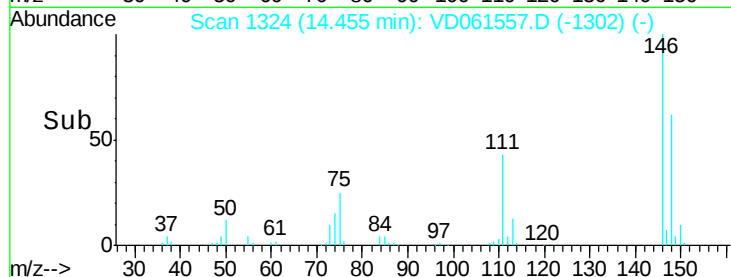
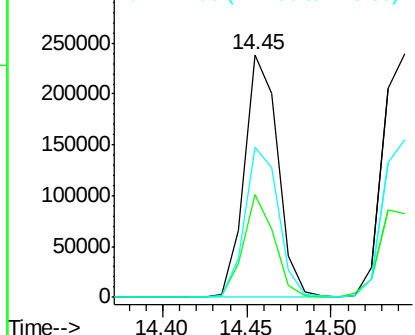
#87
 1,3-Dichlorobenzene
 Concen: 23.024 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Tot Ion:146 Resp: 328717
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.6 61.9
 148 61.8 31.1 93.3

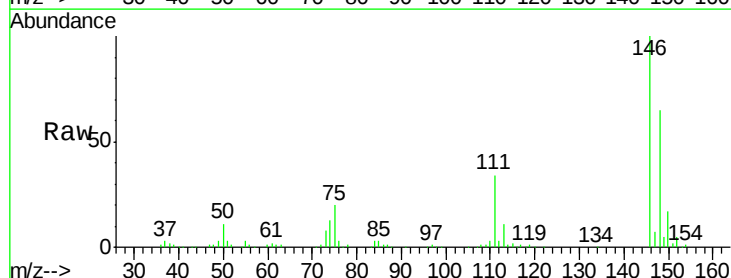


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

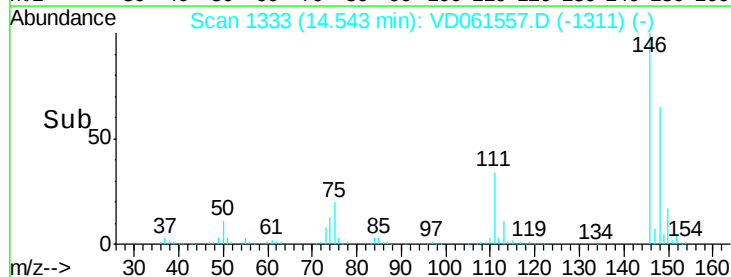
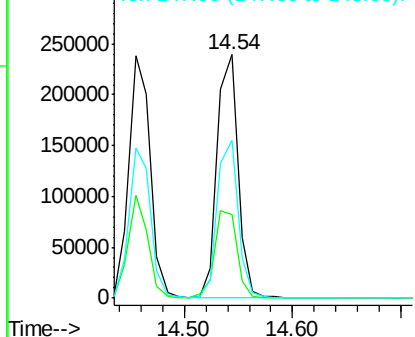


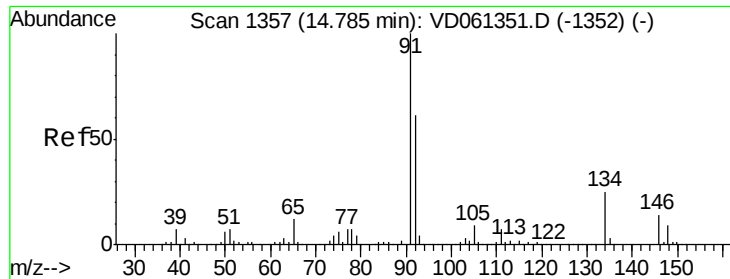
#88
 1,4-Dichlorobenzene
 Concen: 23.228 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:146 Resp: 323404
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.8 50.4
 148 64.8 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

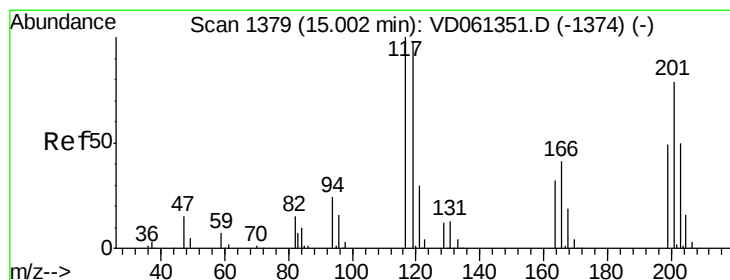
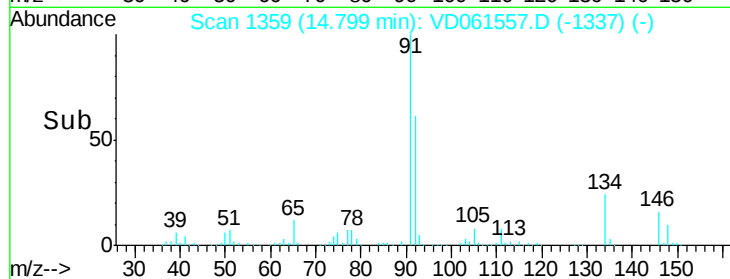
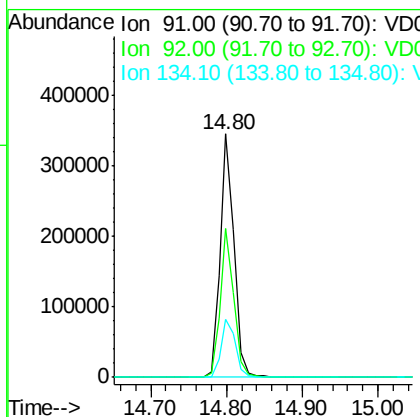
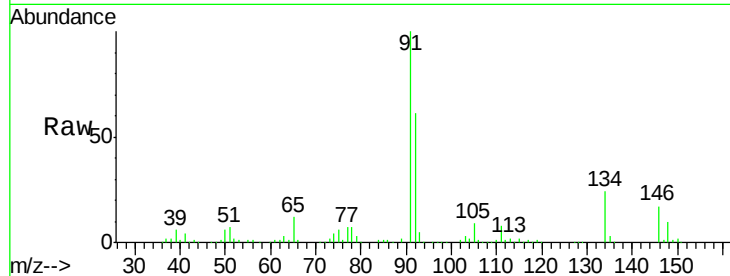




#89
n-Butylbenzene
Concen: 19.699 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

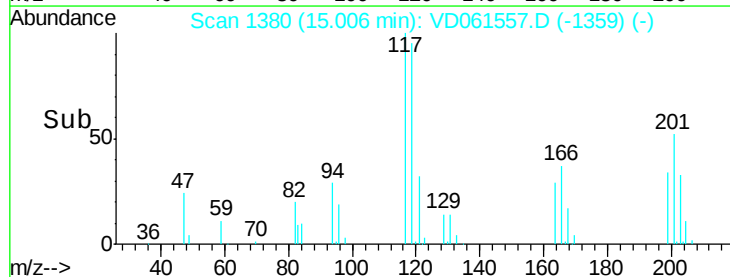
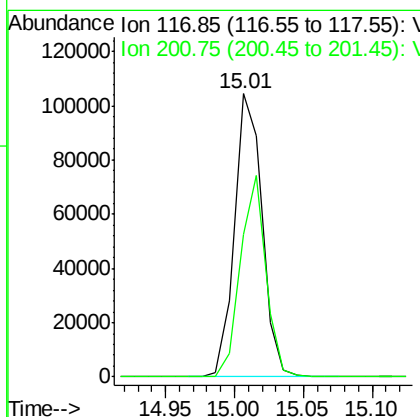
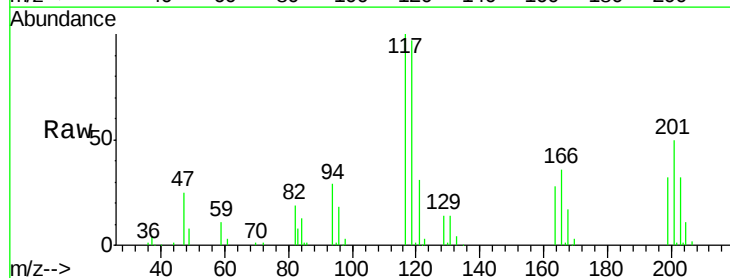
Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

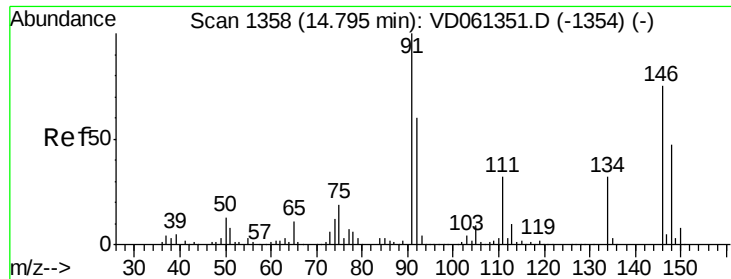
Tot Ion: 91 Resp: 447895
Ion Ratio Lower Upper
91 100
92 61.1 30.3 91.0
134 23.6 12.4 37.0



#90
Hexachloroethane
Concen: 20.817 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion: 117 Resp: 145685
Ion Ratio Lower Upper
117 100
201 50.3 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 20.685 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD0403SBS01

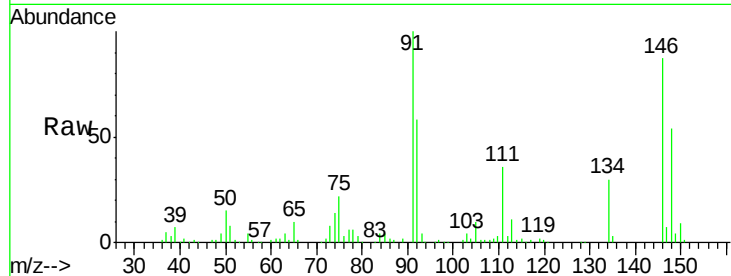
Tot Ion:146 Resp: 242239

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

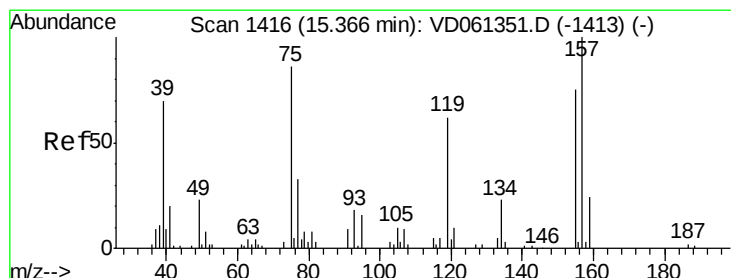
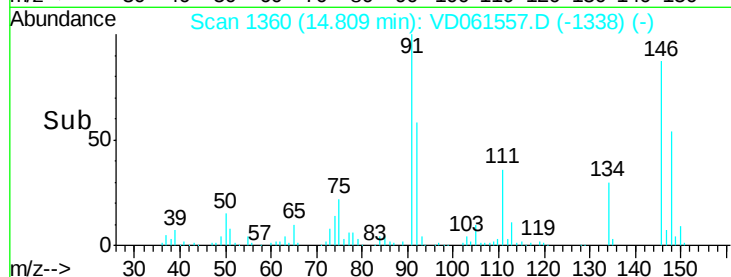
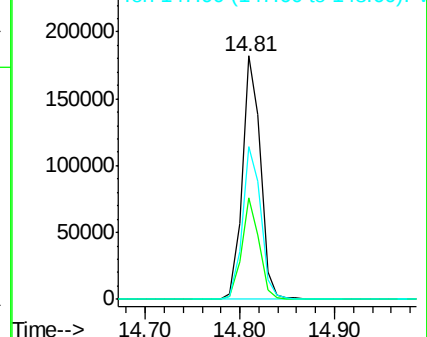
148 62.5 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.517 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD061557.D

Acq: 3 Apr 2019 15:57

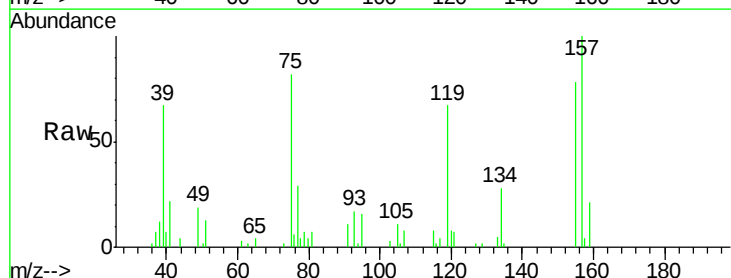
Tgt Ion: 75 Resp: 15140

Ion Ratio Lower Upper

75 100

155 95.3 43.6 130.9

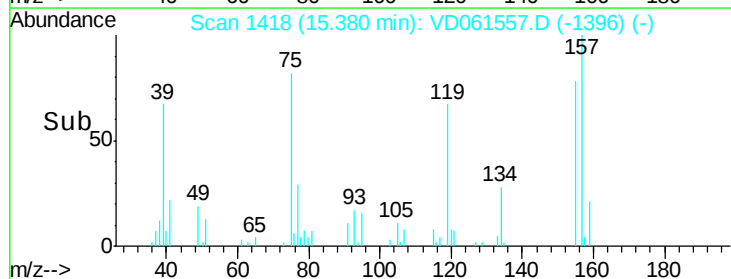
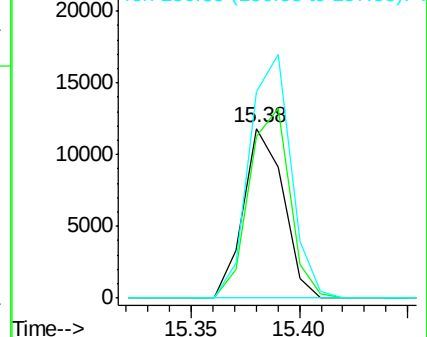
157 121.9 58.5 175.3

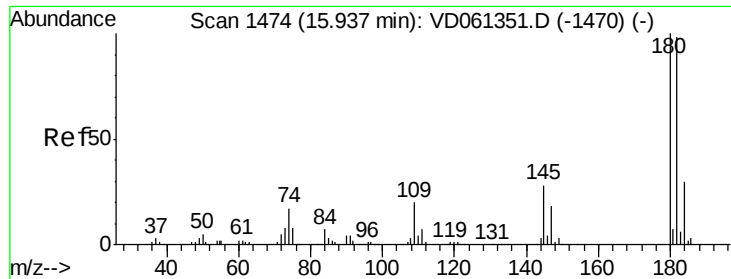


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

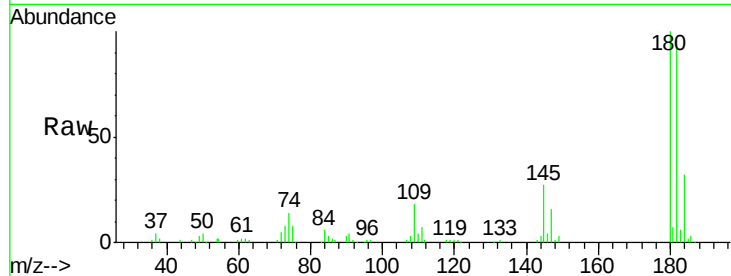




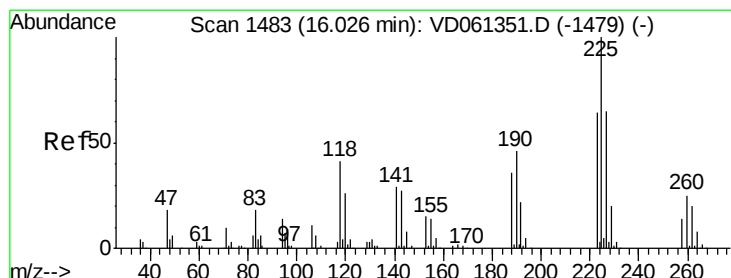
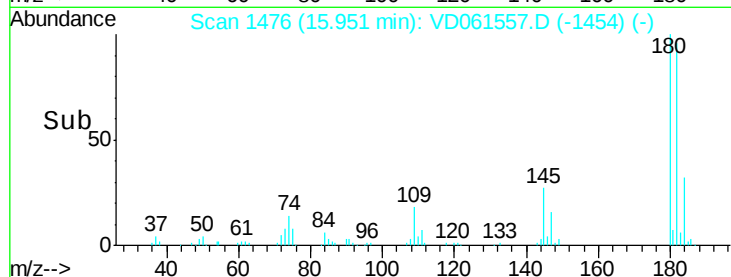
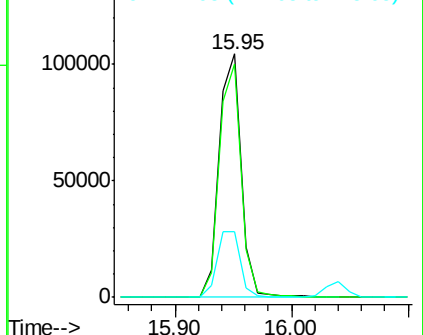
#93
 1,2,4-Trichlorobenzene
 Concen: 25.759 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0403SBS01

Tot Ion:180 Resp: 137416
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.9 146.8
 145 27.2 14.1 42.3

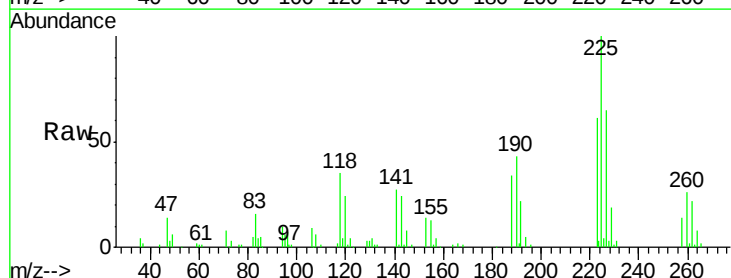


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

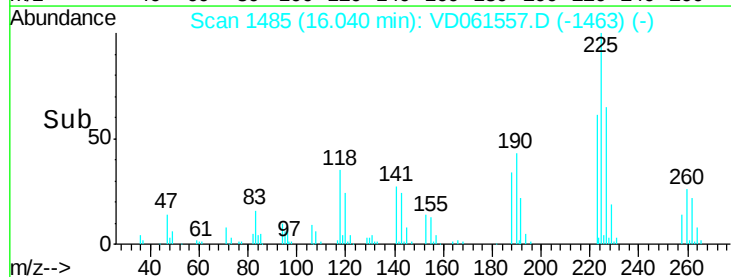
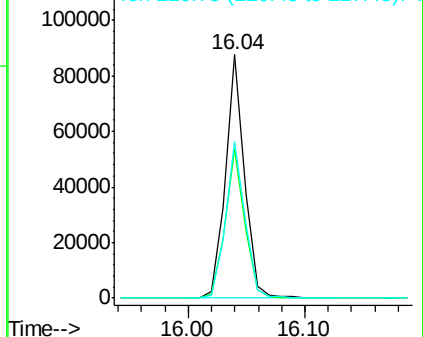


#94
 Hexachlorobutadiene
 Concen: 23.707 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061557.D
 Acq: 3 Apr 2019 15:57

Tgt Ion:225 Resp: 98827
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.0 96.0
 227 64.5 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

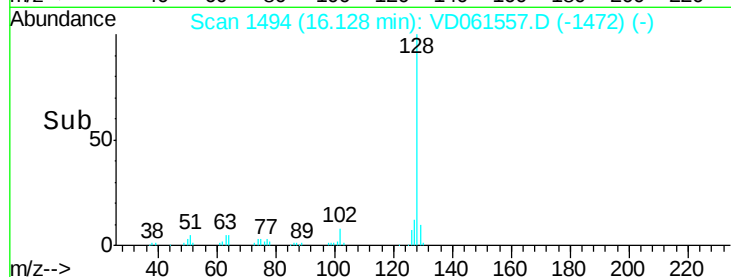
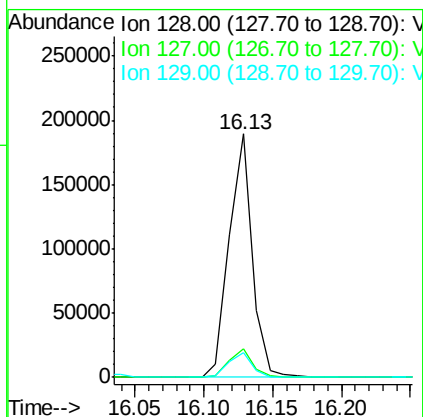
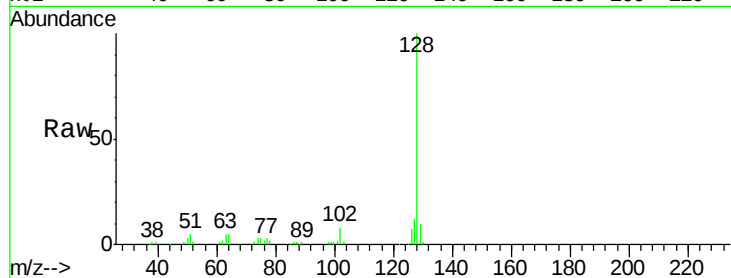




#95
Naphthalene
Concen: 27.157 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD0403SBS01

Tot Ion:128 Resp: 220832
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 29.669 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061557.D
Acq: 3 Apr 2019 15:57

Tgt Ion:180 Resp: 69650
Ion Ratio Lower Upper
180 100
182 100.0 46.4 139.1
145 28.8 15.3 45.9

