

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061243.D
 Acq On : 21 Mar 2019 14:31
 Operator : VA/AP
 Sample : K2004-09
 Misc : 5.43g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:31:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	393533	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	769424	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	395352	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	85343	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	210804	64.35	ug/l	0.02
Spiked Amount			Recovery	=	128.70%	
35) Dibromofluoromethane	6.95	113	337535	59.11	ug/l	0.02
Spiked Amount			Recovery	=	118.22%	
50) Toluene-d8	10.42	98	660695	46.08	ug/l	0.02
Spiked Amount			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	13.56	95	217810	39.15	ug/l	0.01
Spiked Amount			Recovery	=	78.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	182	Below Cal	#	8
10) Methyl Iodide	3.33	142	446	2.997	ug/l #	39
13) Acrolein	3.20	56	6332	20.985	ug/l #	79
15) Acrylonitrile	4.23	53	837	1.136	ug/l #	15
16) Acetone	3.23	43	51073	54.523	ug/l #	81
17) Carbon Disulfide	3.40	76	15133	1.136	ug/l #	93
20) Methylene Chloride	3.84	84	55452	9.175	ug/l	92
25) 2-Butanone	6.03	43	65629	61.744	ug/l #	55
29) Tetrahydrofuran	6.68	42	10715	18.565	ug/l #	1
31) Cyclohexane	6.98	56	26755	4.616	ug/l	99
36) 1,1-Dichloropropene	7.07	75	28139	4.243	ug/l #	47
38) Carbon Tetrachloride	7.07	117	37406	5.120	ug/l #	15
39) Methylcyclohexane	8.86	83	457517	66.527	ug/l #	36
43) Isopropyl Acetate	9.30	43	472421	109.593	ug/l #	43
47) Bromodichloromethane	9.33	83	54433	8.734	ug/l #	41
48) Methyl methacrylate	9.11	41	36653	15.102	ug/l #	39
51) 4-Methyl-2-Pentanone	10.27	43	16198	6.134	ug/l #	37
55) 1,1,2-Trichloroethane	11.12	97	838034	244.188	ug/l #	19
56) Ethyl methacrylate	11.12	69	186392	51.887	ug/l #	1
59) 2-Hexanone	11.51	43	145705	75.426	ug/l #	37
74) N-amyl acetate	13.31	43	288000	166.297	ug/l #	34
75) 1,1,2,2-Tetrachloroethane	13.72	83	100206	83.505	ug/l #	78
76) 1,2,3-Trichloropropane	13.56	75	53940	43.932	ug/l #	63
79) 2-Chlorotoluene	13.98	91	5790	1.461	ug/l	69
80) 1,3,5-Trimethylbenzene	14.25	105	7554	1.618	ug/l	75
81) trans-1,4-Dichloro-2-buten	13.56	75	55055	152.092	ug/l #	36
82) 4-Chlorotoluene	13.98	91	6254	1.335	ug/l #	67
83) tert-Butylbenzene	14.20	119	17156	3.357	ug/l	70
84) 1,2,4-Trimethylbenzene	14.25	105	7554	1.618	ug/l	75
85) sec-Butylbenzene	14.38	105	12077	1.936	ug/l	90
89) n-Butylbenzene	14.81	91	14843	3.031	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	15.36	75	229	1.584	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.96	180	1740	1.605	ug/l #	1
95) Naphthalene	16.13	128	1690	1.026	ug/l #	46

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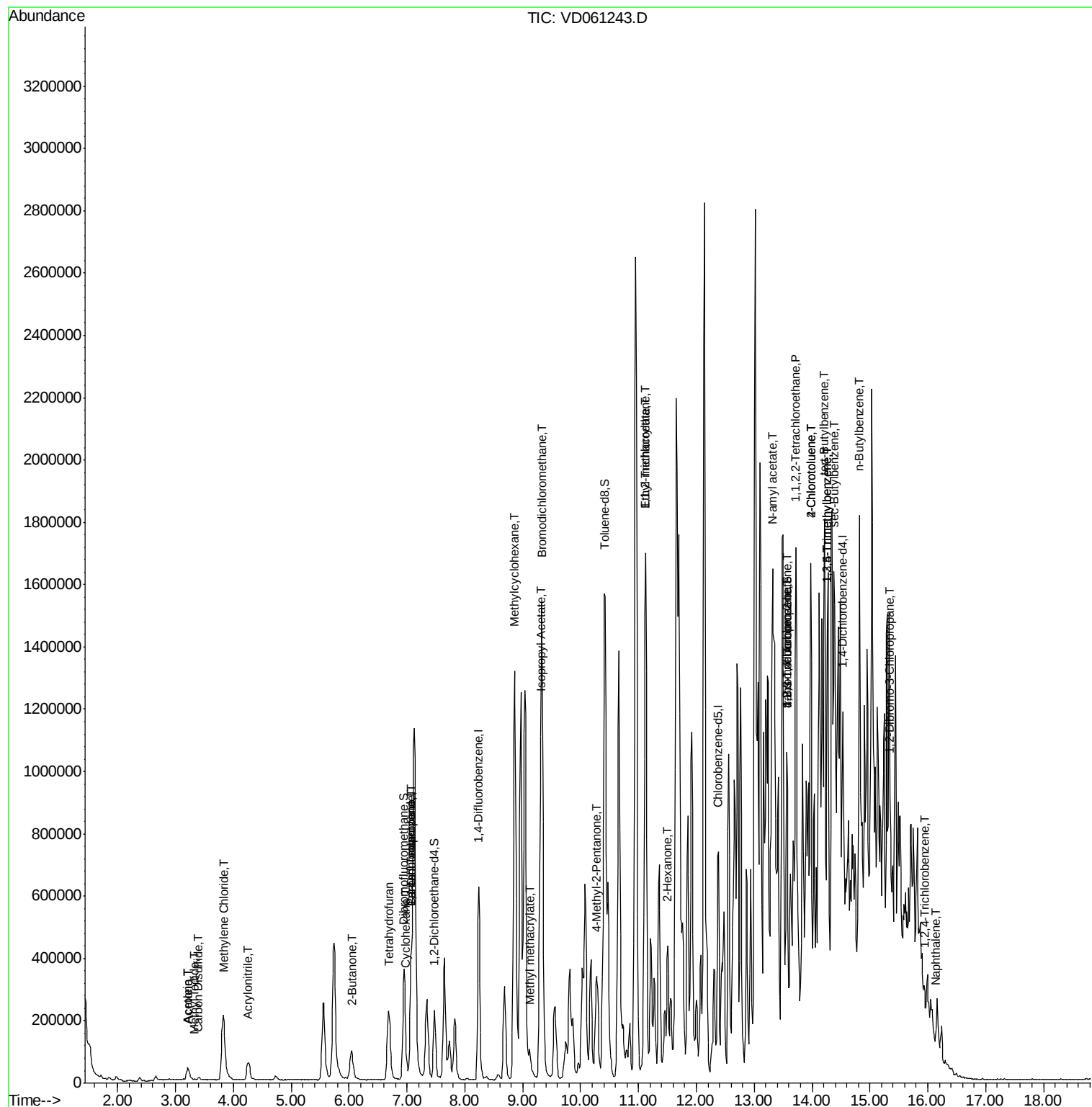
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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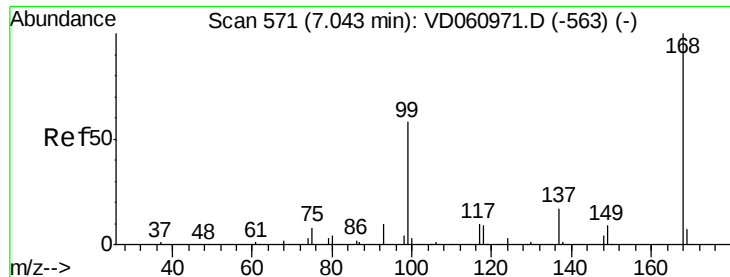
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

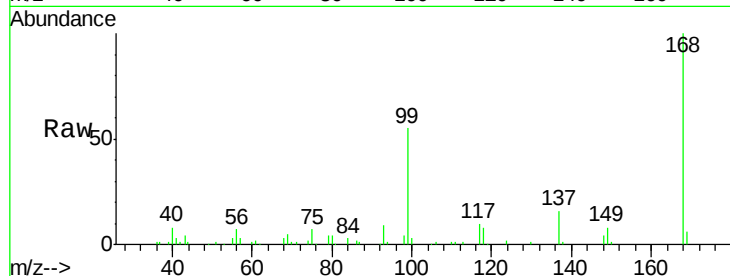
ClientSampleId :

Tot Ion:168 Resp: 393533

Ion Ratio Lower Upper

168 100

99 54.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

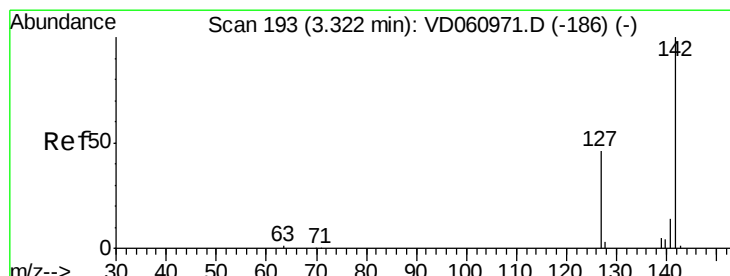
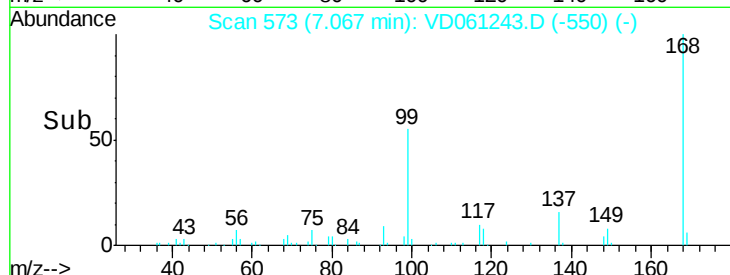
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 2.997 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

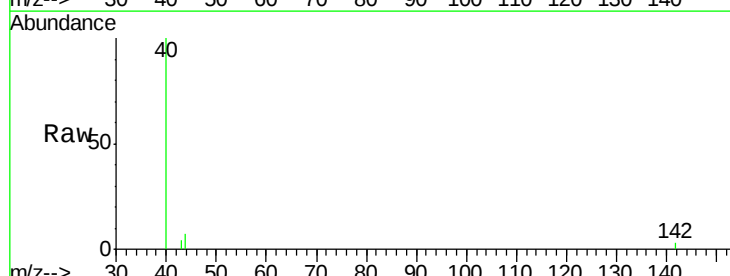
Tgt Ion:142 Resp: 446

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



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

3.33

500

400

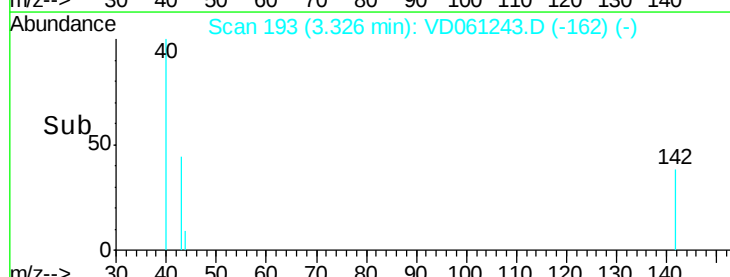
300

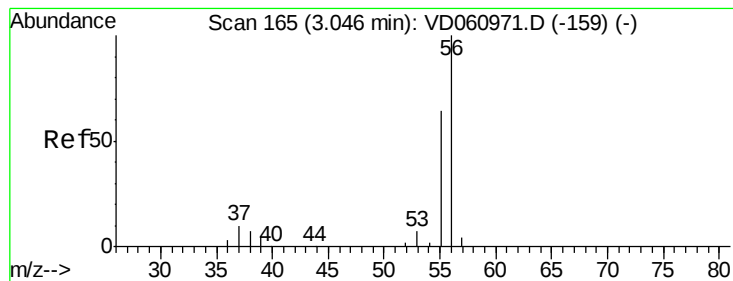
200

100

0

Time--> 3.30 3.32 3.34 3.36





#13

Acrolein

Concen: 20.985 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.15 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

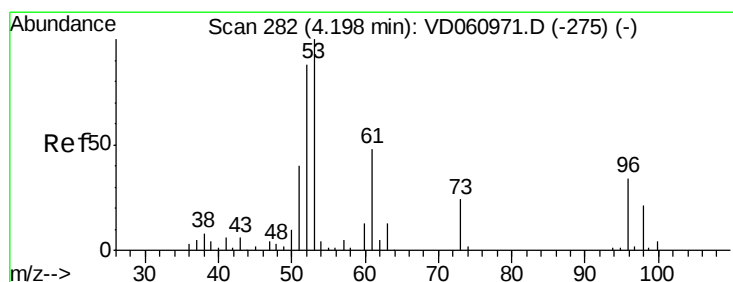
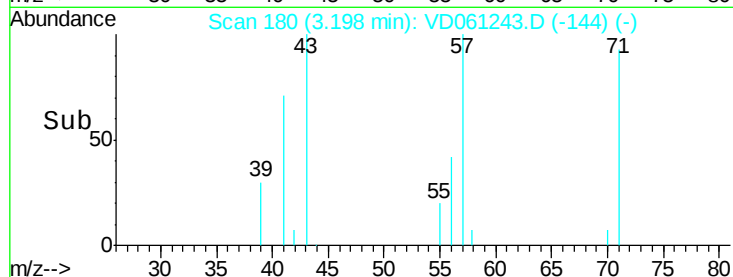
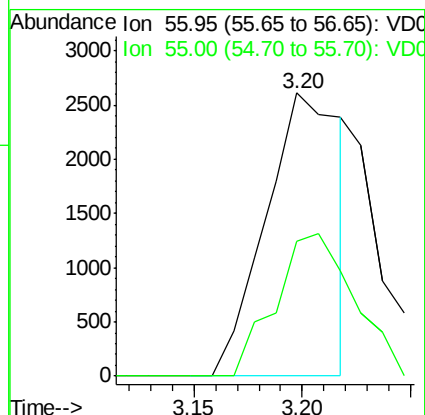
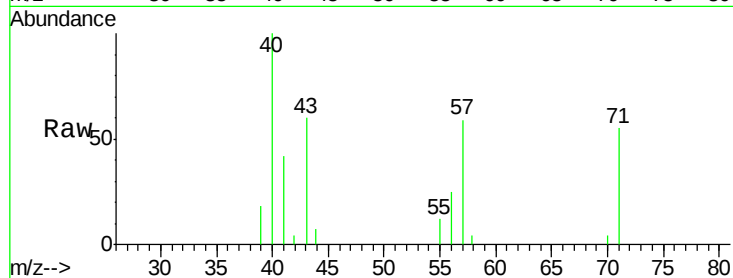
ClientSampleId :

Tot Ion: 56 Resp: 6332

Ion Ratio Lower Upper

56 100

55 47.6 51.3 76.9#



#15

Acrylonitrile

Concen: 1.136 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

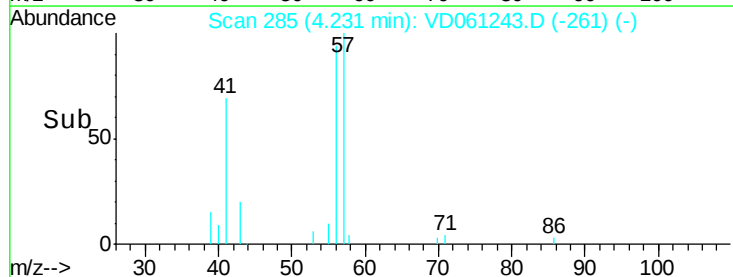
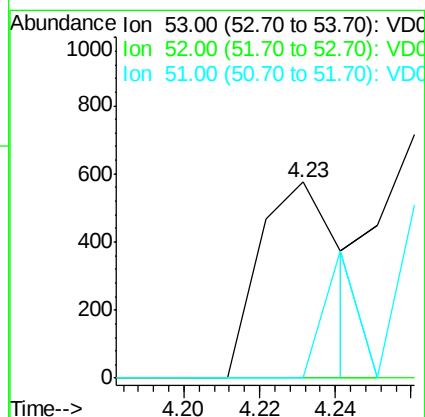
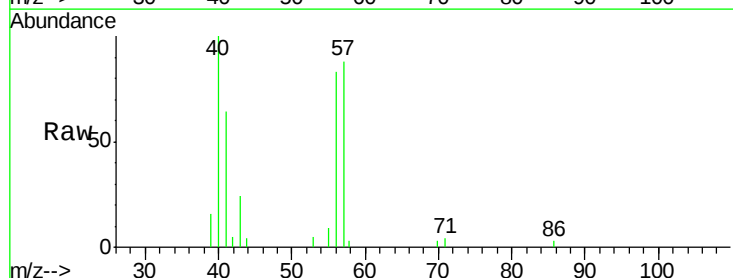
Tgt Ion: 53 Resp: 837

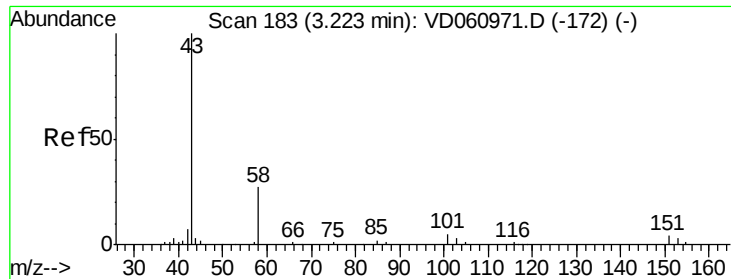
Ion Ratio Lower Upper

53 100

52 0.0 70.2 105.4#

51 0.0 31.7 47.5#

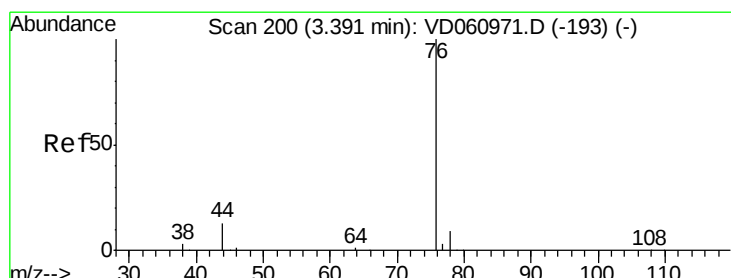
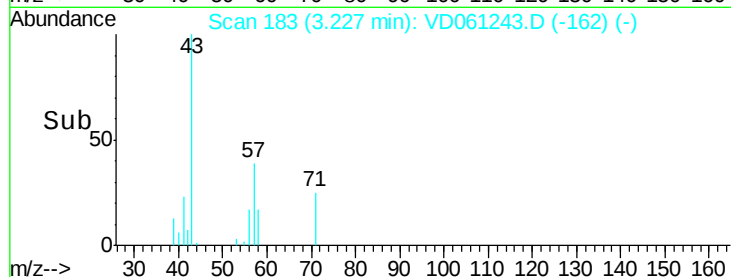
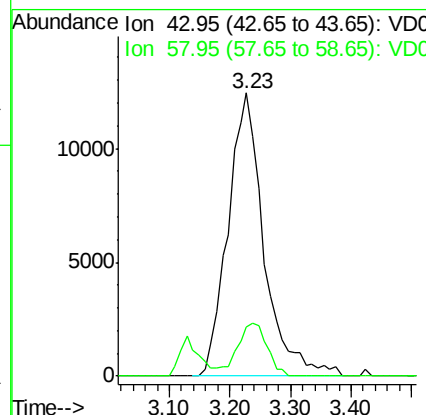
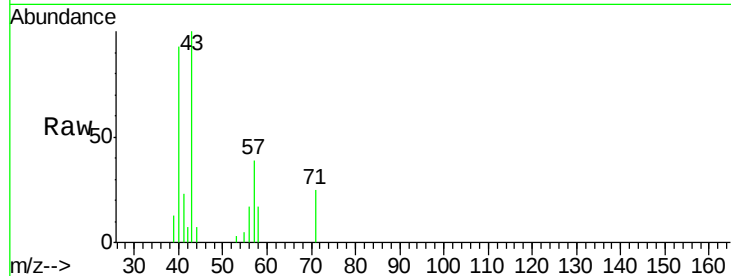




#16
Acetone
Concen: 54.523 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

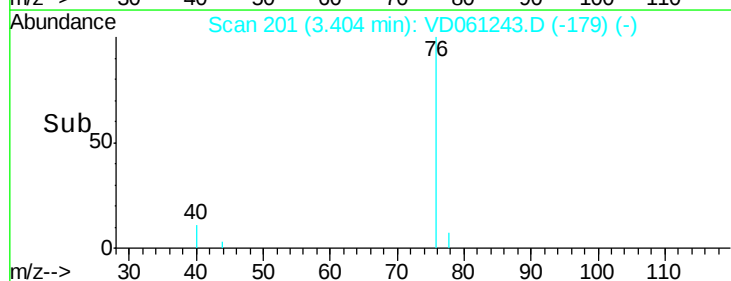
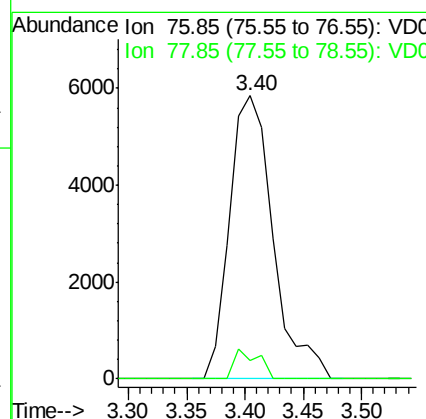
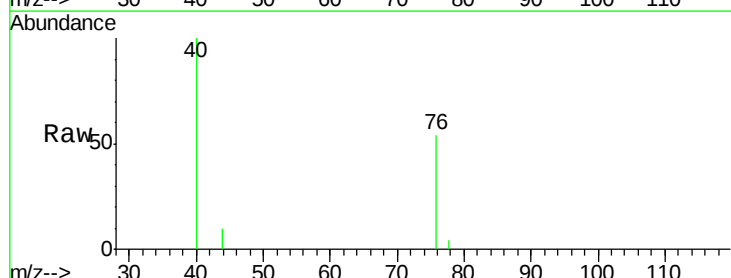
Instrument :
MSVOA_D
ClientSampleId :

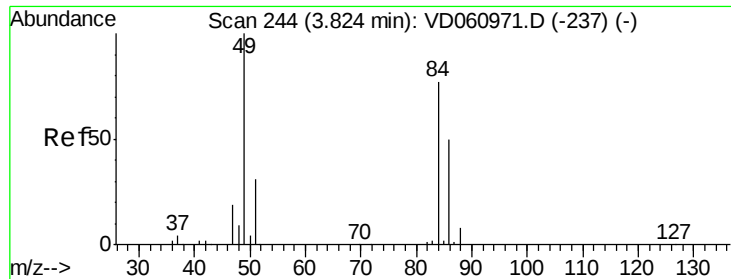
Tot Ion: 43 Resp: 51073
Ion Ratio Lower Upper
43 100
58 17.4 21.6 32.4#



#17
Carbon Disulfide
Concen: 1.136 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion: 76 Resp: 15133
Ion Ratio Lower Upper
76 100
78 6.6 7.4 11.2#

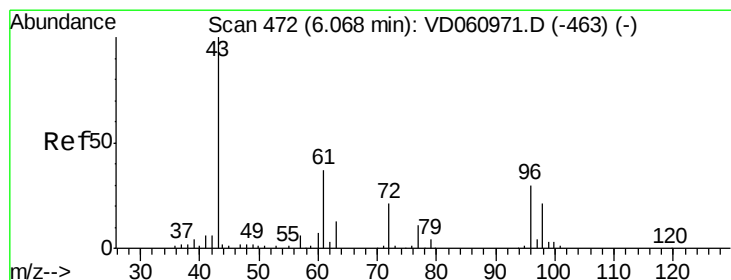
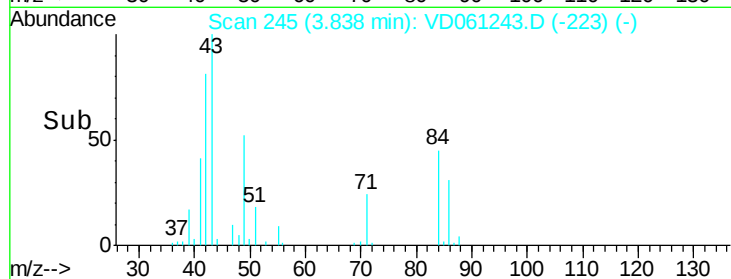
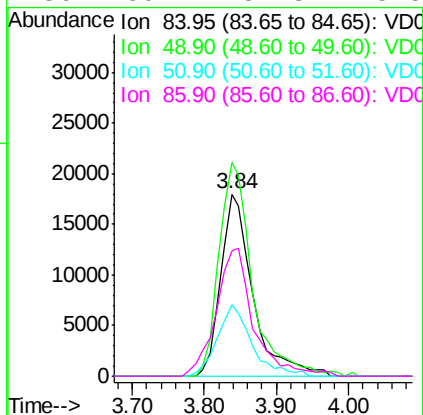
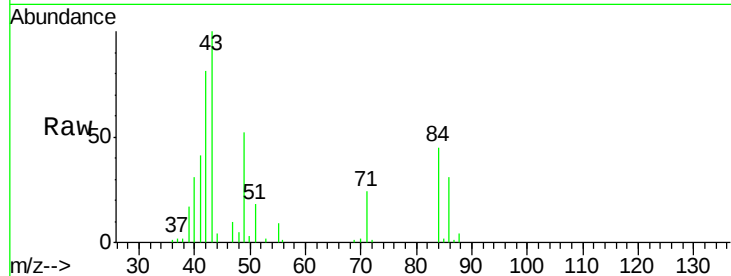




#20
Methvlene Chloride
Concen: 9.175 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

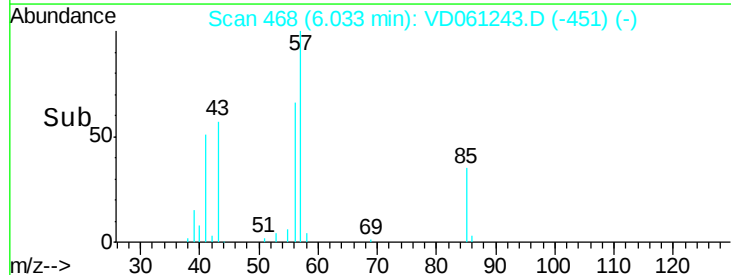
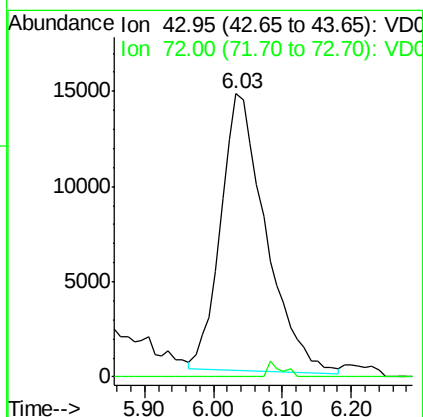
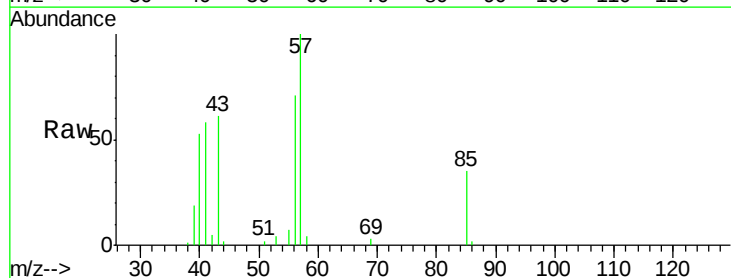
Instrument :
MSVOA_D
ClientSampleId :

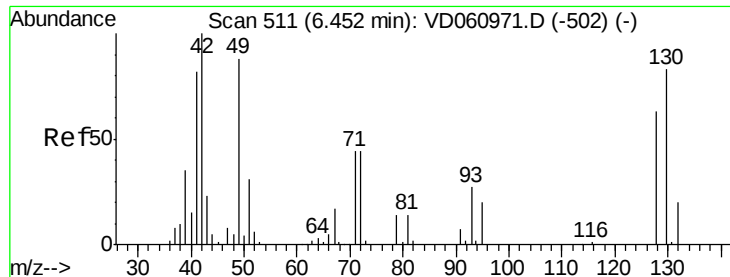
Tot Ion: 84 Resp: 55452
Ion Ratio Lower Upper
84 100
49 117.3 104.2 156.2
51 39.4 32.3 48.5
86 69.2 52.3 78.5



#25
2-Butanone
Concen: 61.744 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.04 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion: 43 Resp: 65629
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#





#29

Tetrahydrofuran

Concen: 18.565 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.23 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

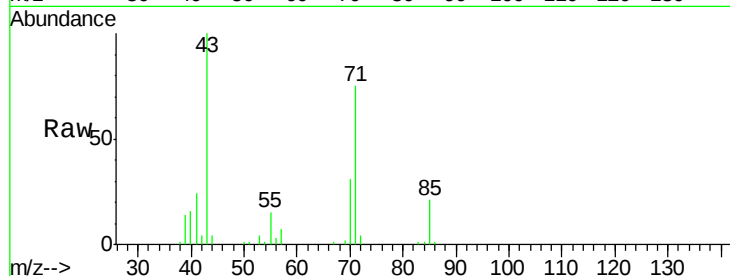
Tot Ion: 42 Resp: 10715

Ion Ratio Lower Upper

42 100

72 97.1 34.5 51.7#

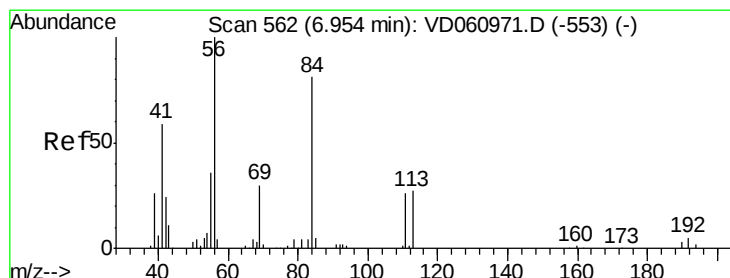
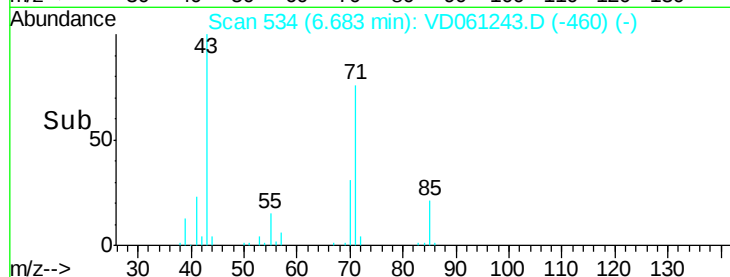
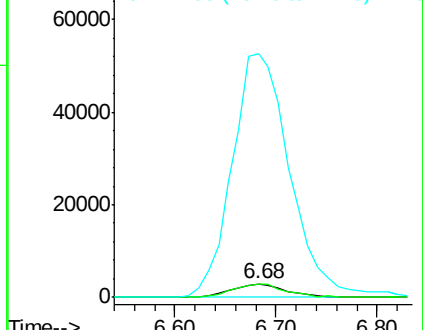
71 1968.5 33.8 50.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 4.616 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

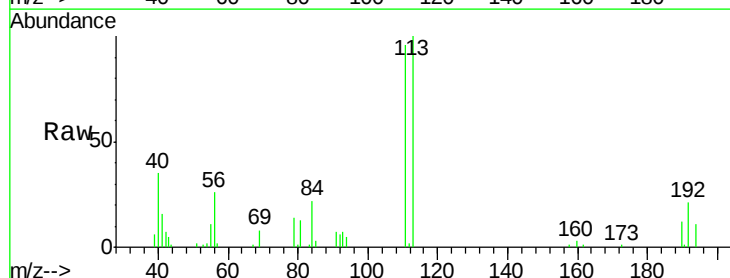
Tgt Ion: 56 Resp: 26755

Ion Ratio Lower Upper

56 100

69 28.9 24.0 36.0

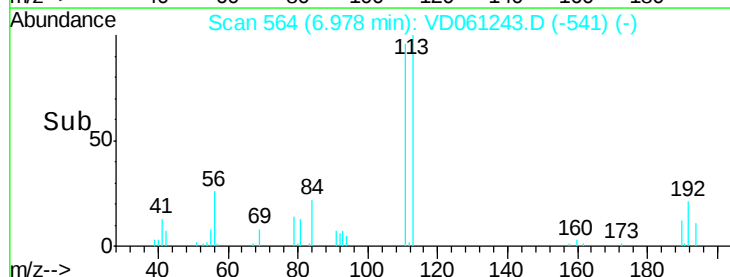
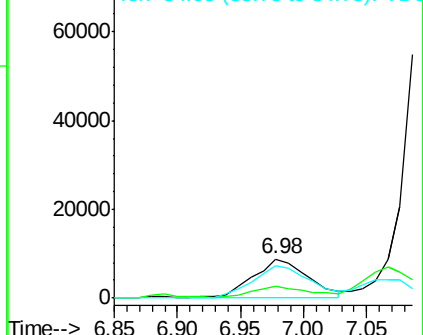
84 82.8 65.8 98.6

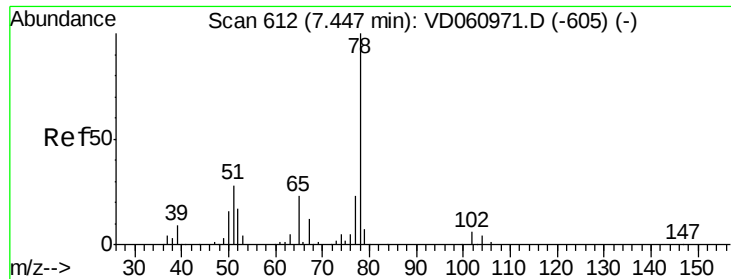


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

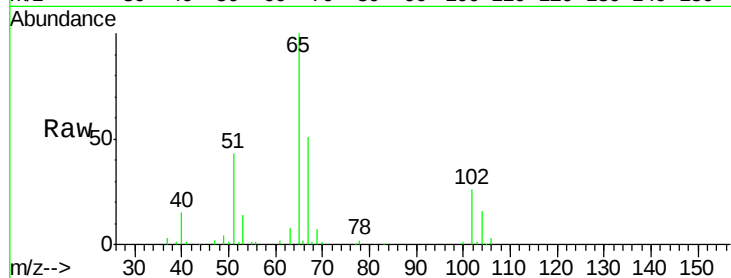
ClientSampleId :

Tot Ion: 65 Resp: 210804

Ion Ratio Lower Upper

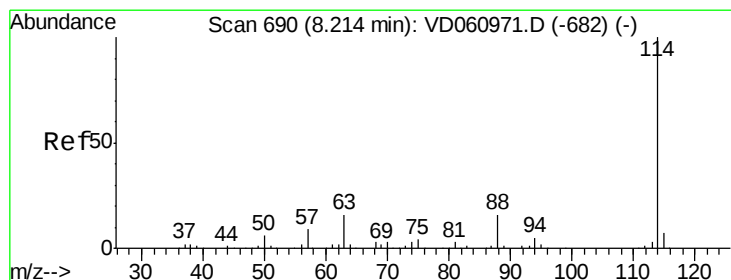
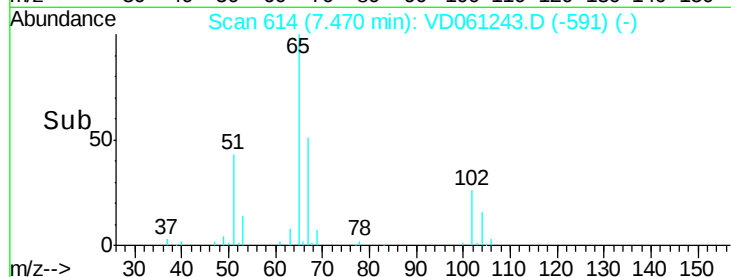
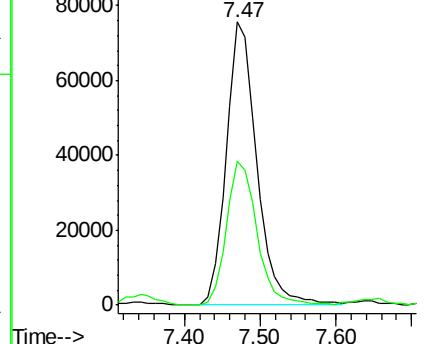
65 100

67 50.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

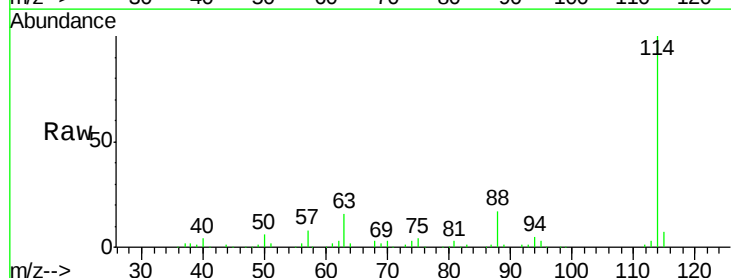
Tgt Ion: 114 Resp: 769424

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

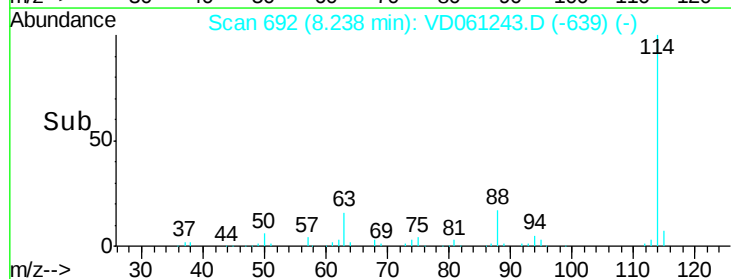
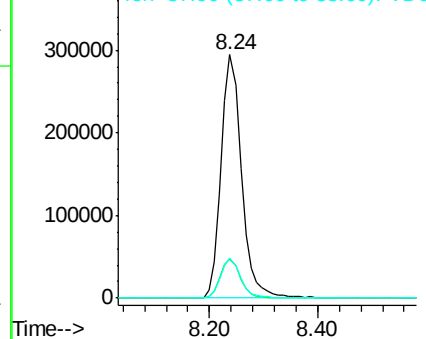
88 16.6 0.0 33.0

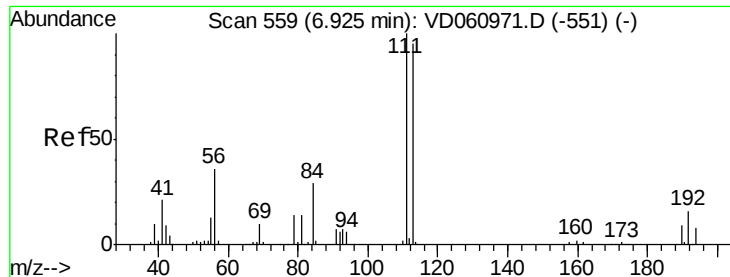


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :

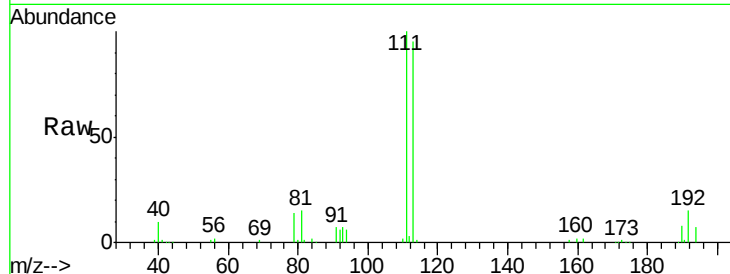
Tot Ion:113 Resp: 337535

Ion Ratio Lower Upper

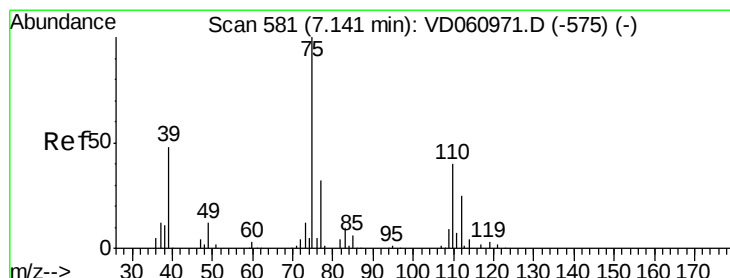
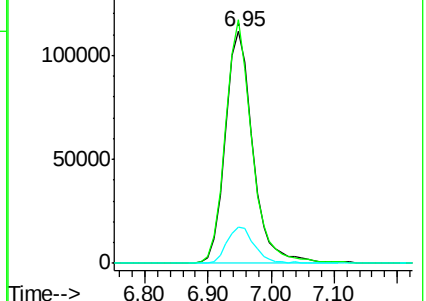
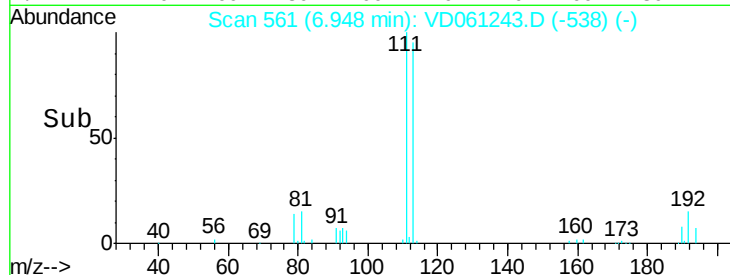
113 100

111 105.0 84.2 126.4

192 15.9 13.1 19.7



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: 4.243 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

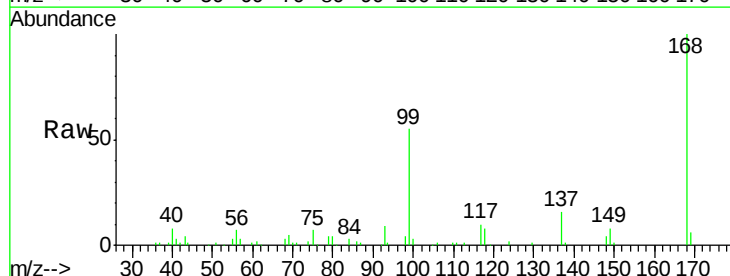
Tgt Ion: 75 Resp: 28139

Ion Ratio Lower Upper

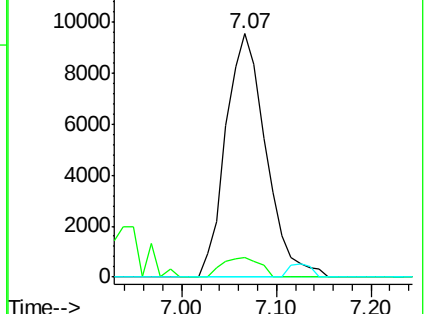
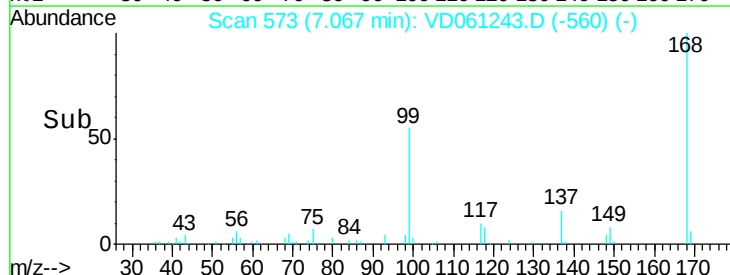
75 100

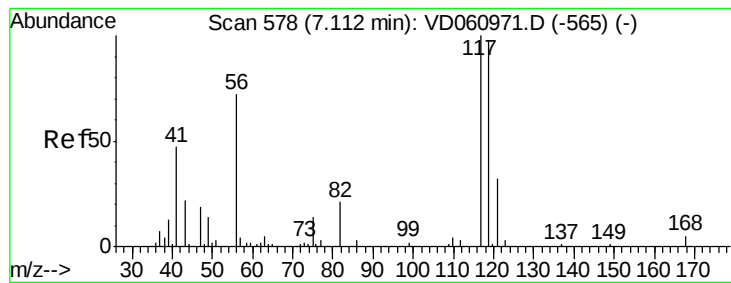
110 8.0 19.7 59.1#

77 0.0 24.7 37.1#



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





#38

Carbon Tetrachloride

Concen: 5.120 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

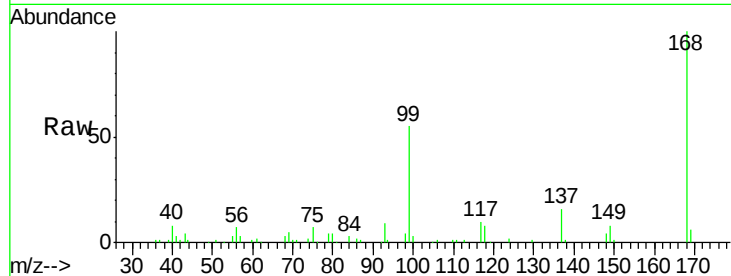
Tot Ion:117 Resp: 37406

Ion Ratio Lower Upper

117 100

119 4.5 77.8 116.8#

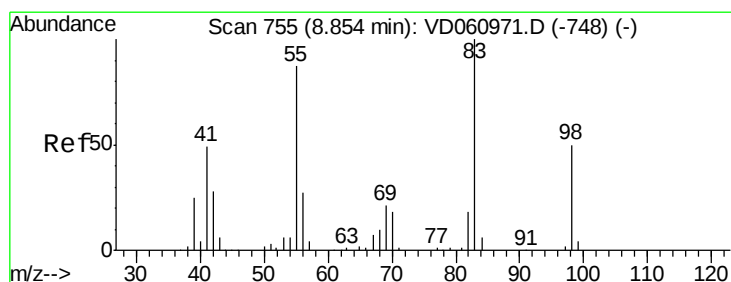
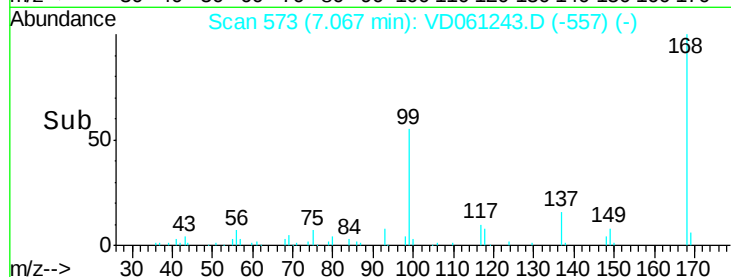
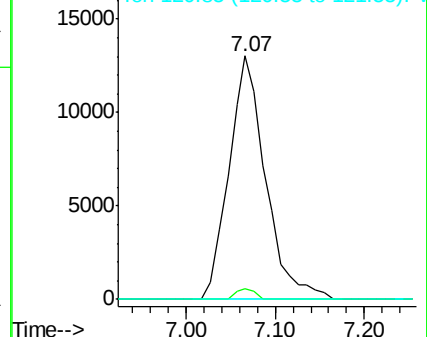
121 0.0 25.3 37.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 66.527 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

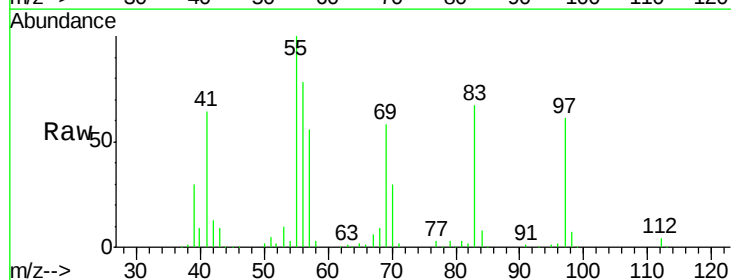
Tgt Ion: 83 Resp: 457517

Ion Ratio Lower Upper

83 100

55 149.6 69.6 104.4#

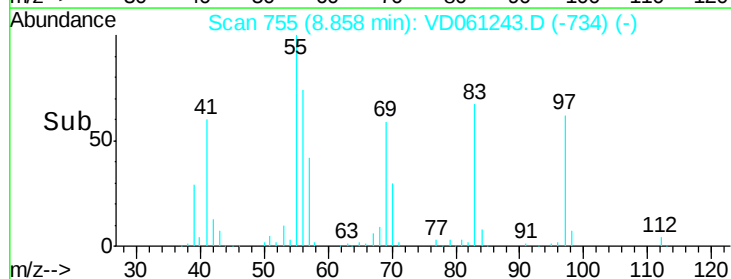
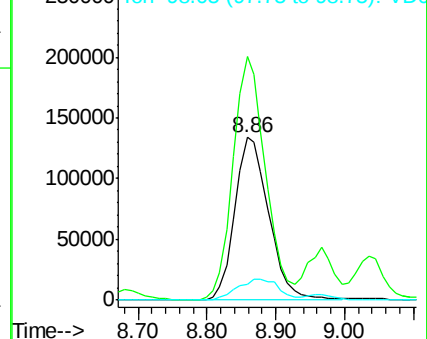
98 10.1 40.0 60.0#

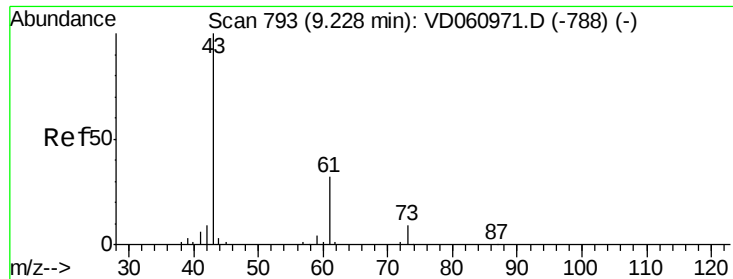


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#43

Isopropyl Acetate

Concen: 109.593 ug/l

RT: 9.30 min Scan# 800

Delta R.T. 0.07 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

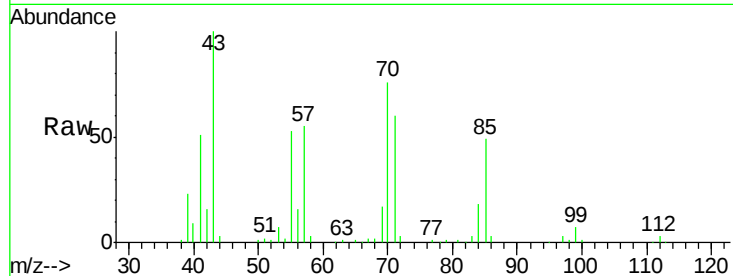
Tot Ion: 43 Resp: 472421

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

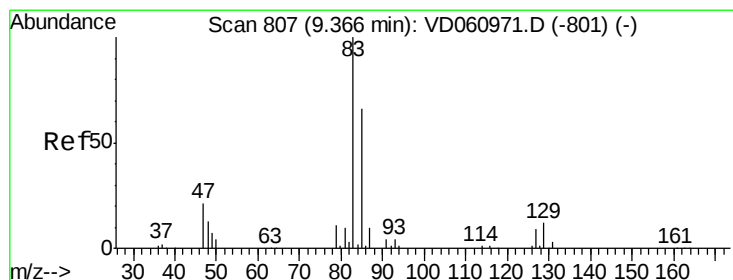
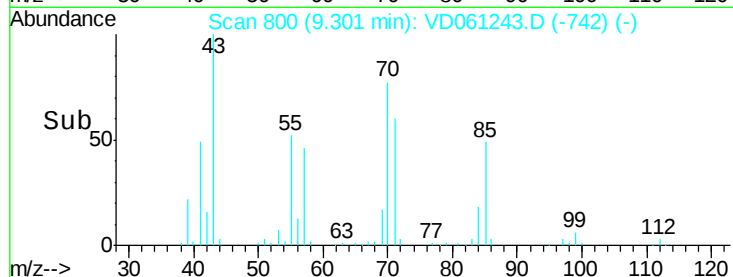
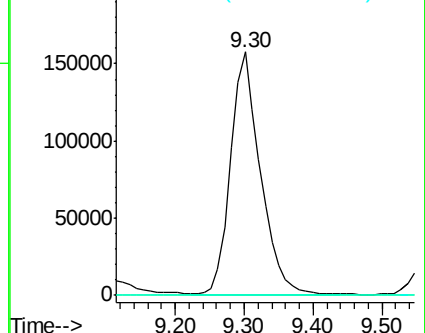
87 0.0 0.2 0.4#



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



#47

Bromodichloromethane

Concen: 8.734 ug/l

RT: 9.33 min Scan# 803

Delta R.T. -0.04 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

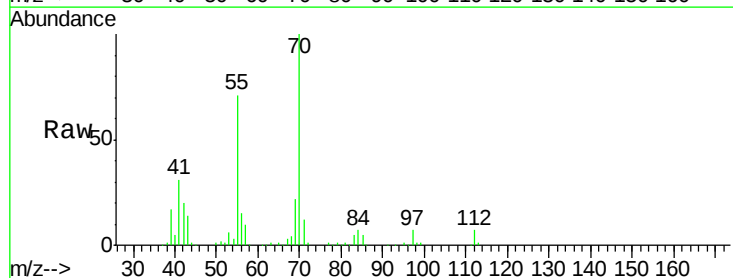
Tgt Ion: 83 Resp: 54433

Ion Ratio Lower Upper

83 100

85 116.0 52.5 78.7#

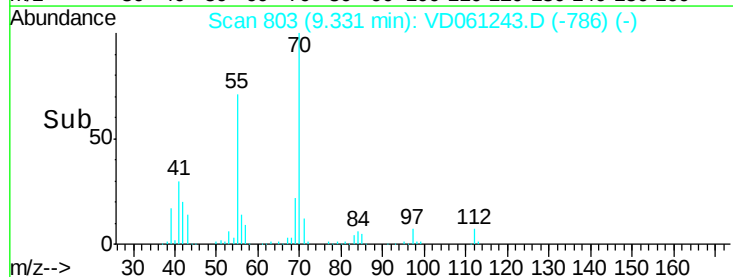
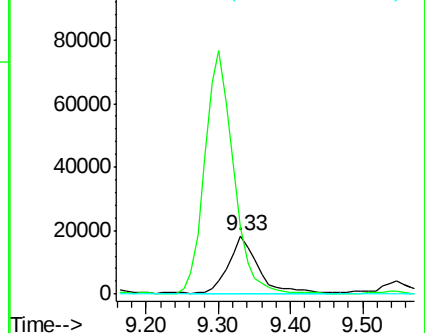
127 0.0 7.5 11.3#

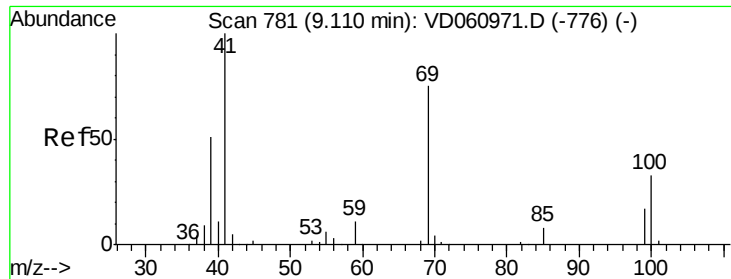


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

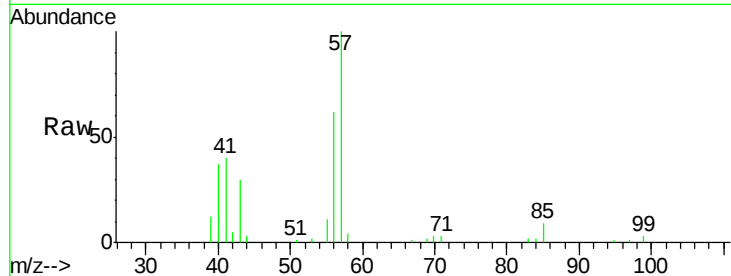




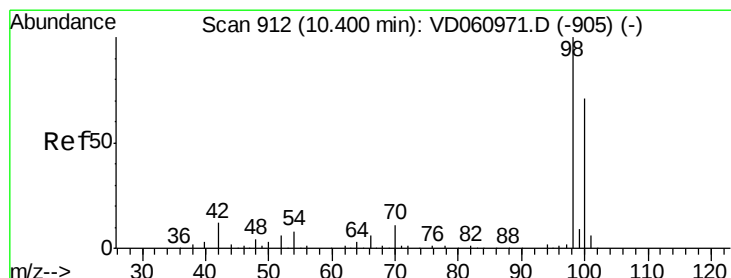
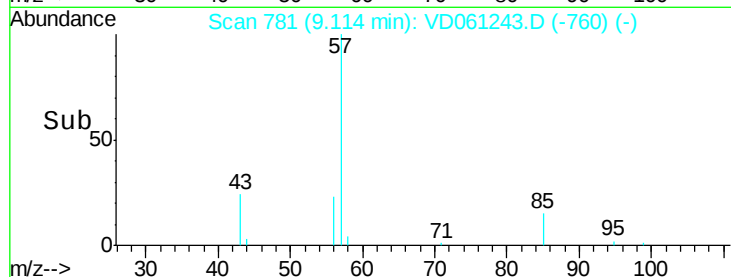
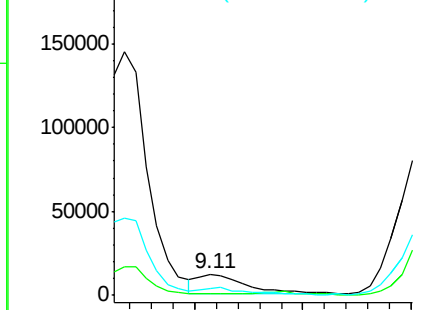
#48
Methvl methacrylate
Concen: 15.102 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.00 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 36653
Ion Ratio Lower Upper
41 100
69 5.7 59.9 89.9#
39 29.5 40.9 61.3#

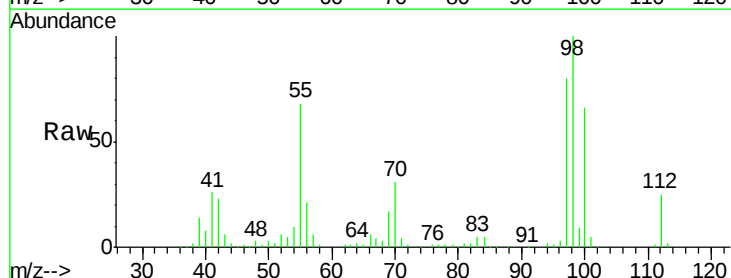


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

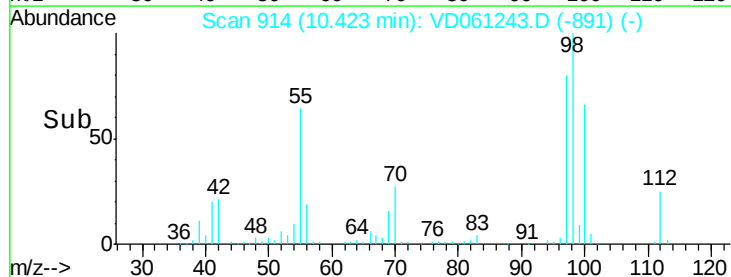
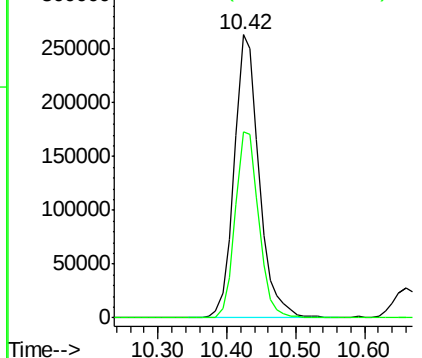


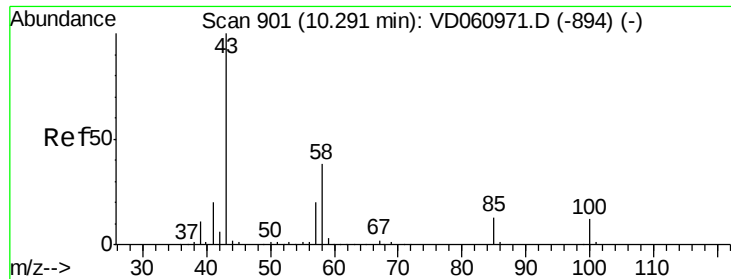
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion: 98 Resp: 660695
Ion Ratio Lower Upper
98 100
100 66.0 57.4 86.2



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

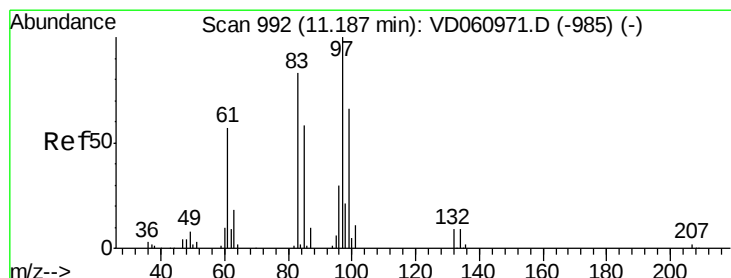
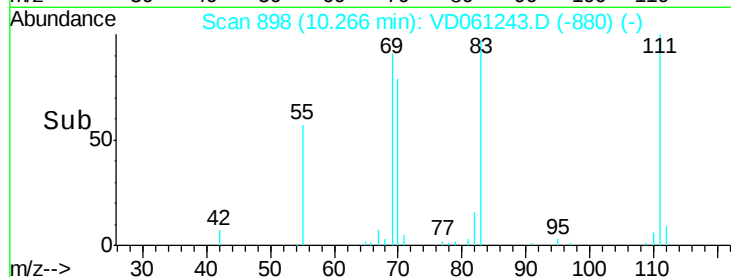
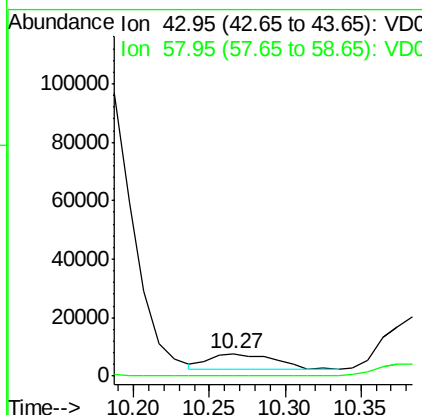
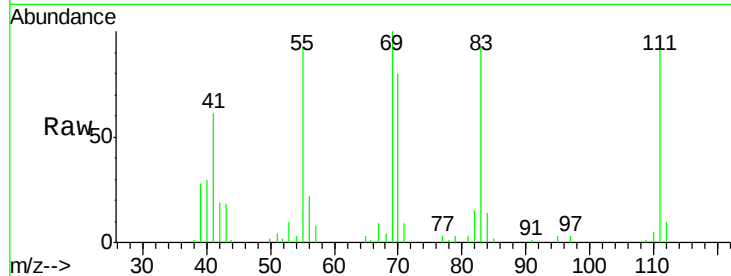




#51
 4-Methyl-2-Pentanone
 Concen: 6.134 ug/l
 RT: 10.27 min Scan# 898
 Delta R.T. -0.03 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

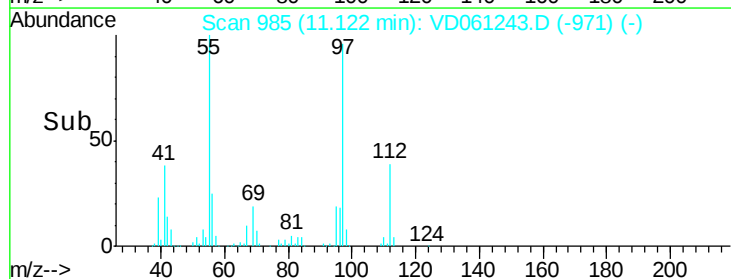
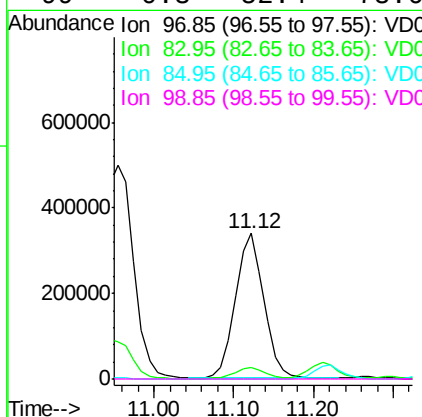
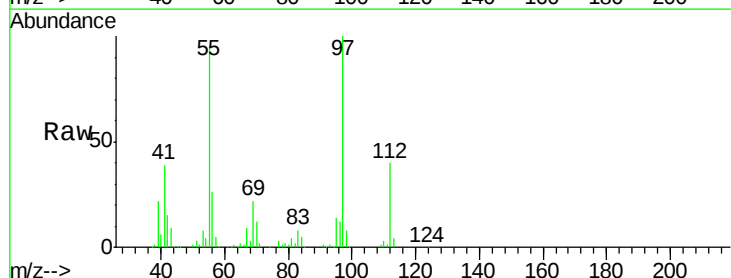
Instrument :
 MSVOA_D
 ClientSampled :

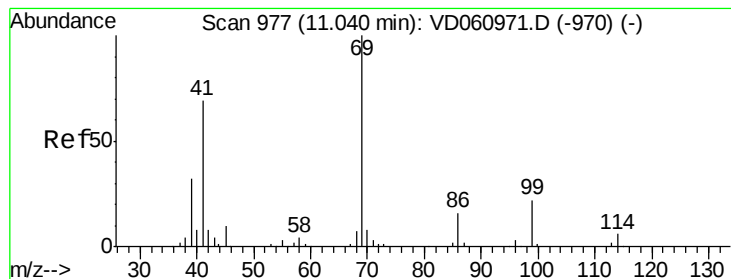
Tot Ion: 43 Resp: 16198
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.2 45.2#



#55
 1,1,2-Trichloroethane
 Concen: 244.188 ug/l
 RT: 11.12 min Scan# 985
 Delta R.T. -0.06 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

Tgt Ion: 97 Resp: 838034
 Ion Ratio Lower Upper
 97 100
 83 8.2 66.6 100.0#
 85 0.3 46.4 69.6#
 99 0.3 52.4 78.6#





#56

Ethyl methacrylate

Concen: 51.887 ug/l

RT: 11.12 min Scan# 985

Delta R.T. 0.08 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleID :

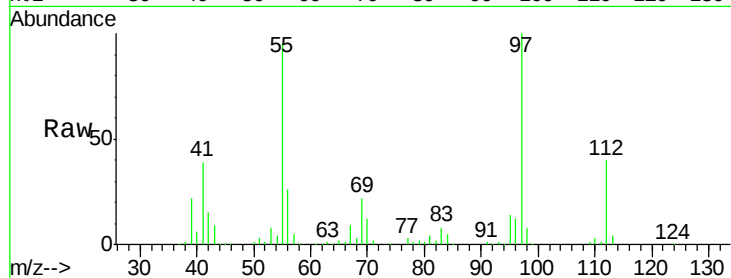
Tot Ion: 69 Resp: 186392

Ion Ratio Lower Upper

69 100

41 176.9 55.5 83.3#

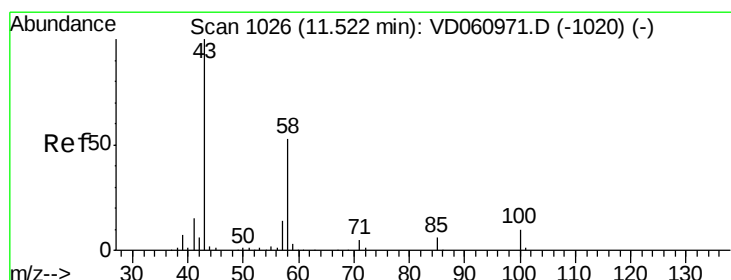
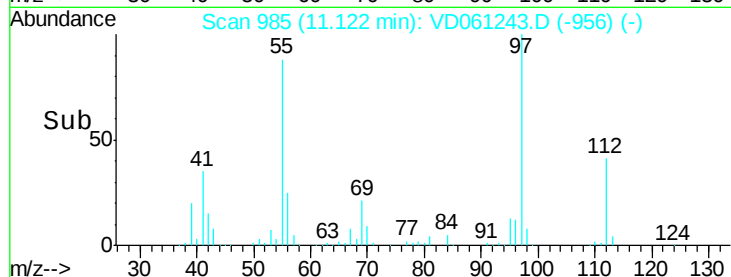
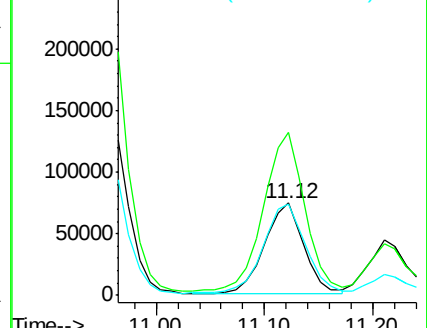
39 99.0 26.2 39.2#



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



#59

2-Hexanone

Concen: 75.426 ug/l

RT: 11.51 min Scan# 1024

Delta R.T. -0.02 min

Lab File: VD061243.D

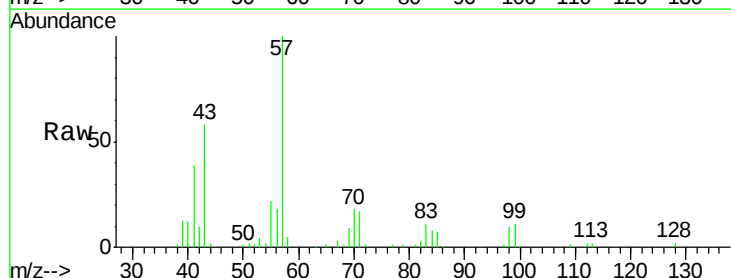
Acq: 21 Mar 2019 14:31

Tgt Ion: 43 Resp: 145705

Ion Ratio Lower Upper

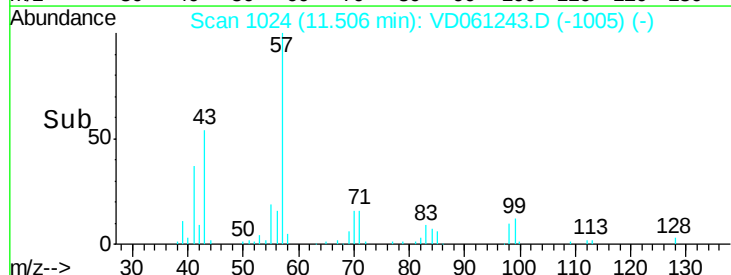
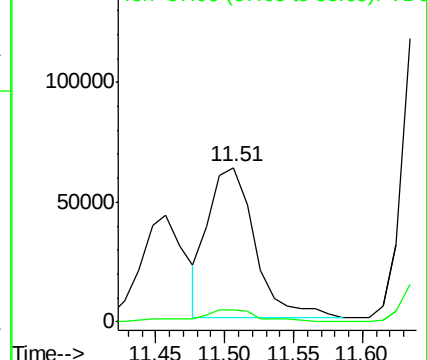
43 100

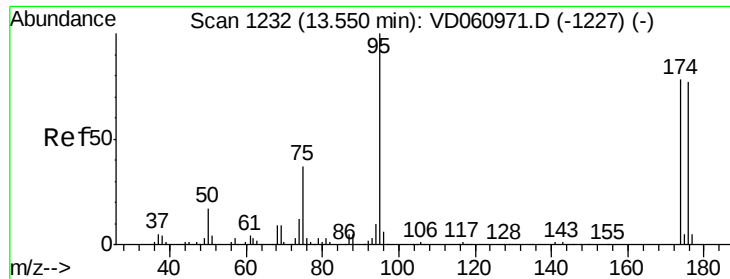
58 8.1 26.5 79.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

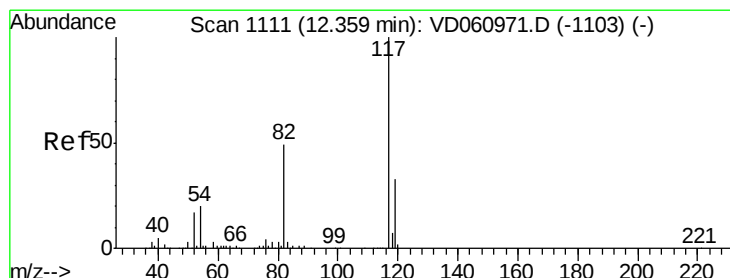
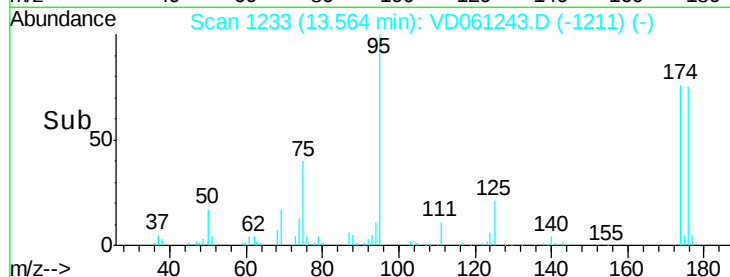
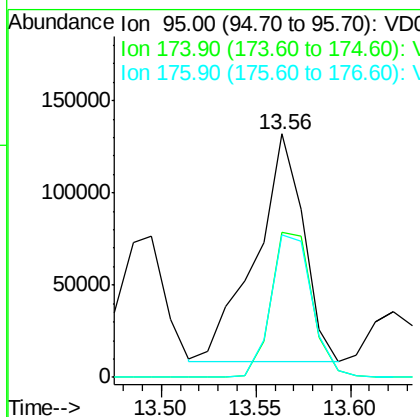
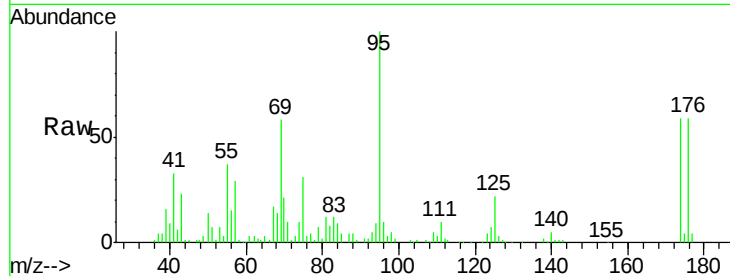




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

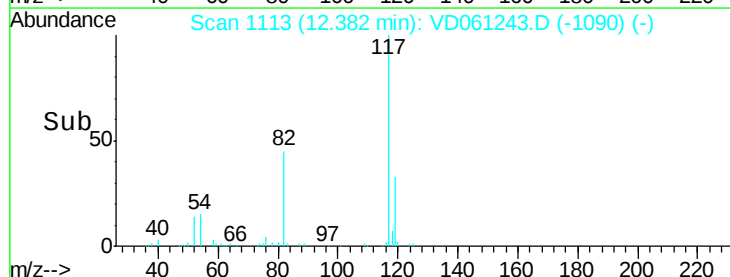
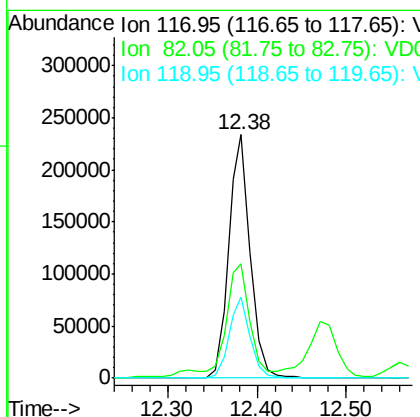
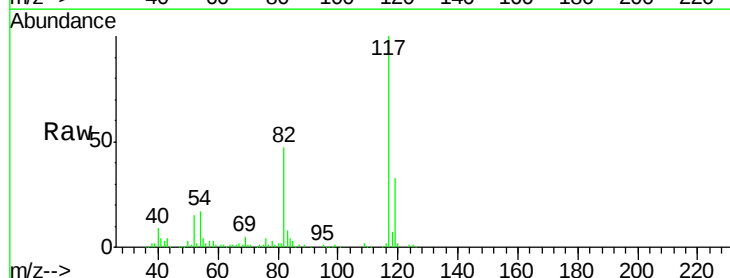
Instrument :
MSVOA_D
ClientSampleId :

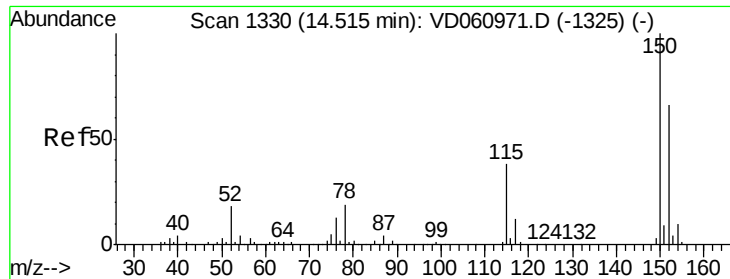
Tot Ion: 95 Resp: 217810
Ion Ratio Lower Upper
95 100
174 59.4 0.0 155.6
176 58.6 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061243.D
Acq: 21 Mar 2019 14:31

Tgt Ion: 117 Resp: 395352
Ion Ratio Lower Upper
117 100
82 46.8 38.9 58.3
119 33.3 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

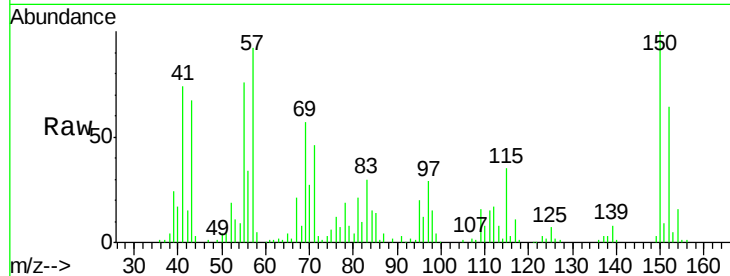
Tot Ion:152 Resp: 85343

Ion Ratio Lower Upper

152 100

115 55.1 28.6 85.9

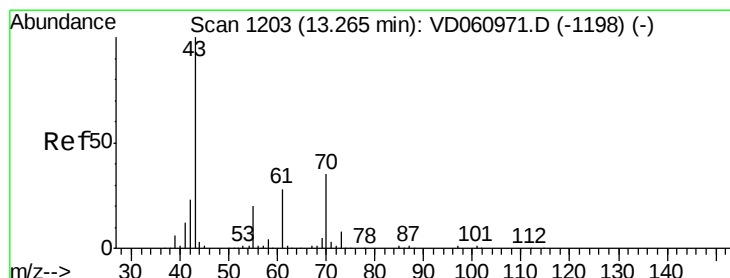
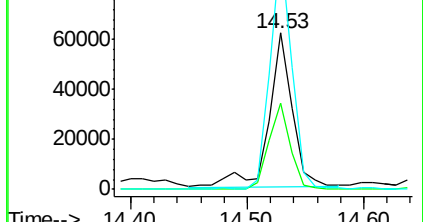
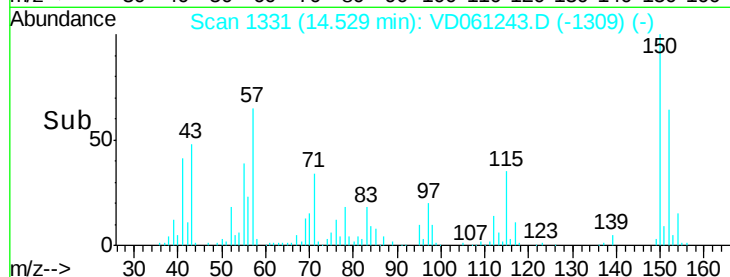
150 155.9 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 166.297 ug/l

RT: 13.31 min Scan# 1207

Delta R.T. 0.04 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Tgt Ion: 43 Resp: 288000

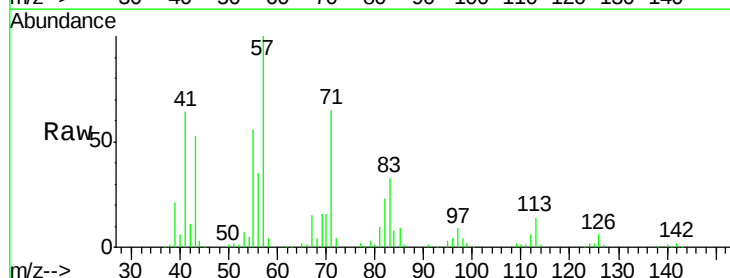
Ion Ratio Lower Upper

43 100

70 30.7 27.7 41.5

55 105.3 16.2 24.2#

61 0.0 22.3 33.5#

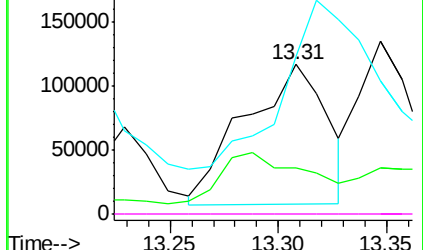
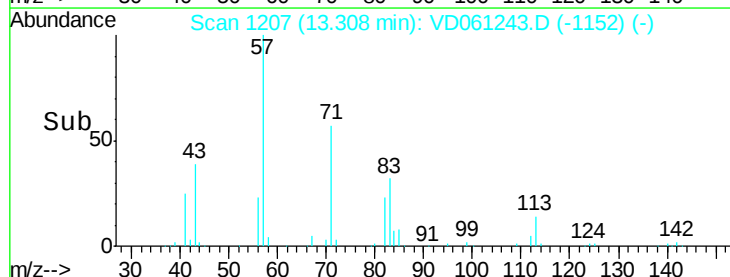


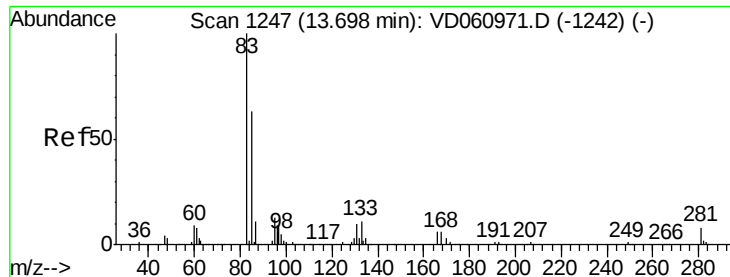
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 83.505 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

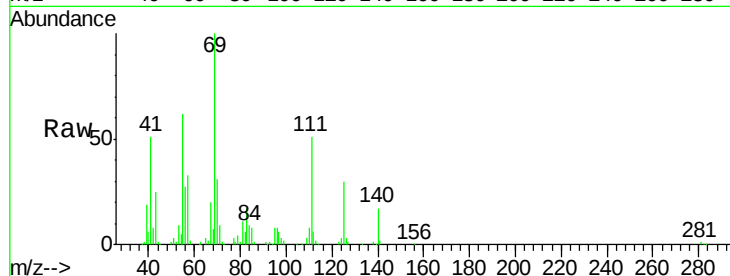
Tot Ion: 83 Resp: 100206

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

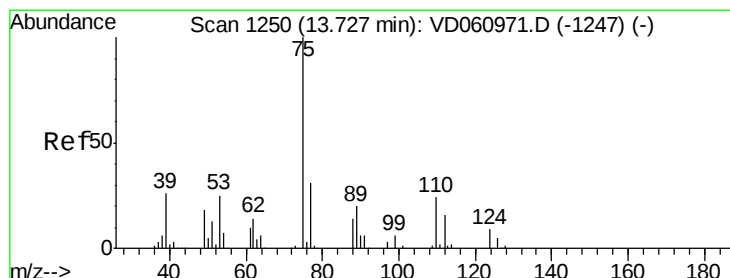
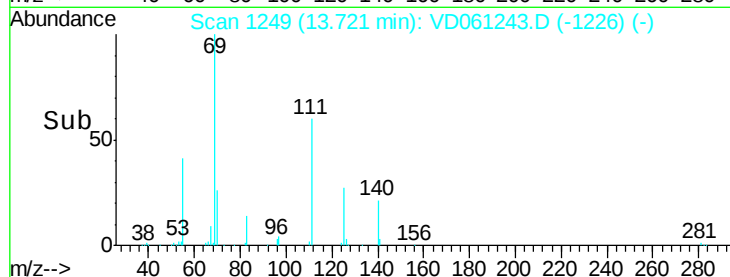
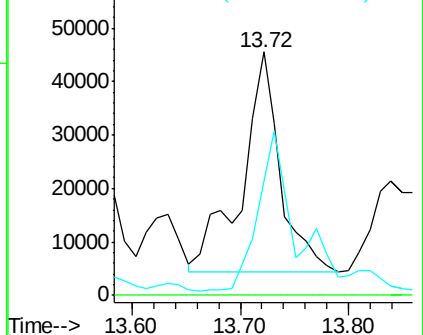
85 46.8 31.5 94.5



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: 43.932 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061243.D

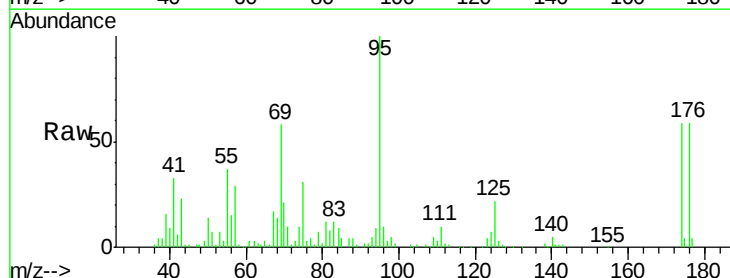
Acq: 21 Mar 2019 14:31

Tgt Ion: 75 Resp: 53940

Ion Ratio Lower Upper

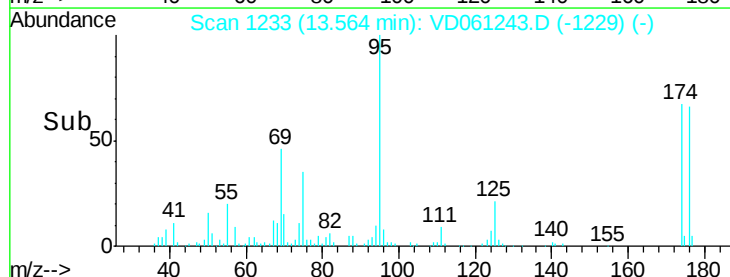
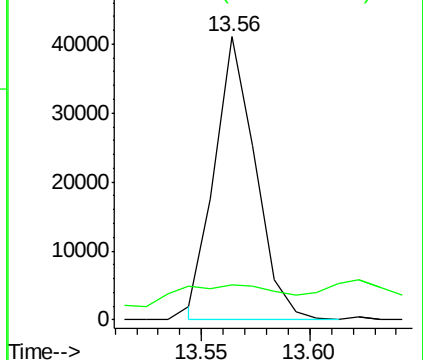
75 100

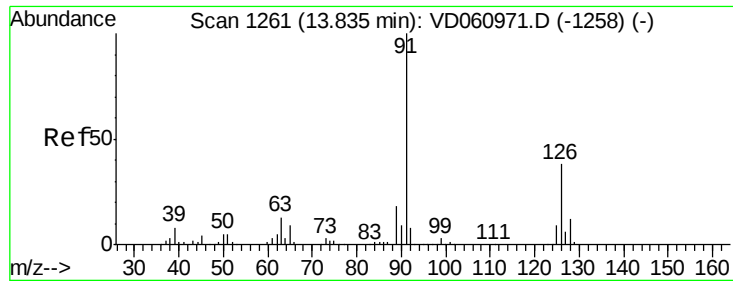
77 12.2 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

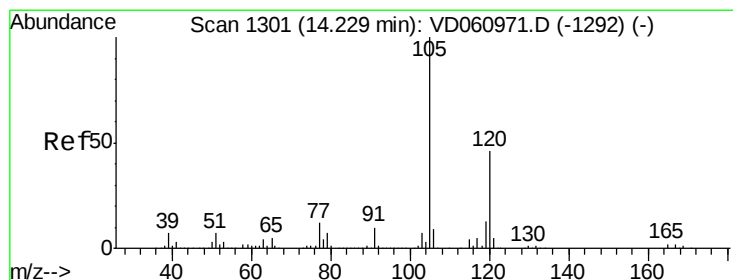
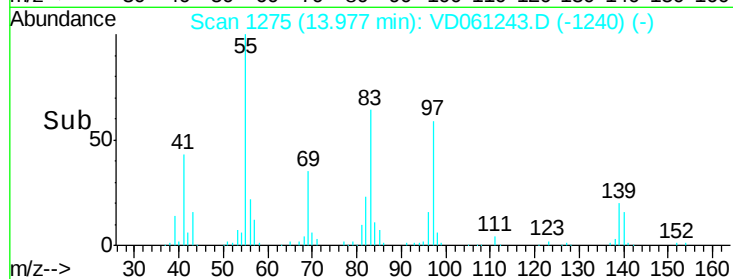
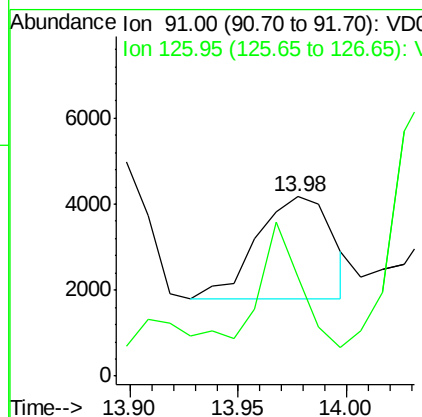
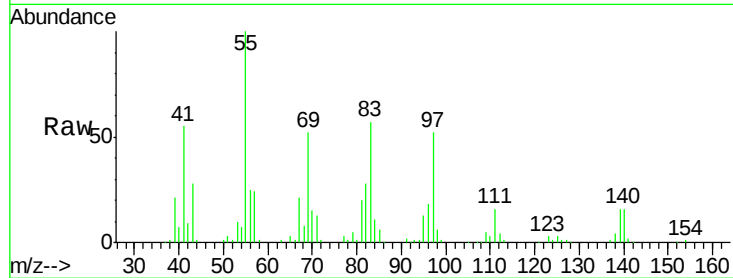




#79
 2-Chlorotoluene
 Concen: 1.461 ug/l
 RT: 13.98 min Scan# 1275
 Delta R.T. 0.14 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

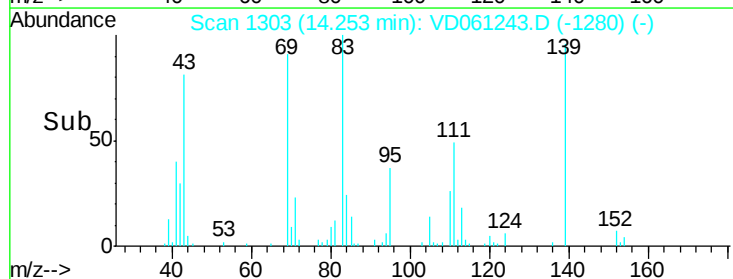
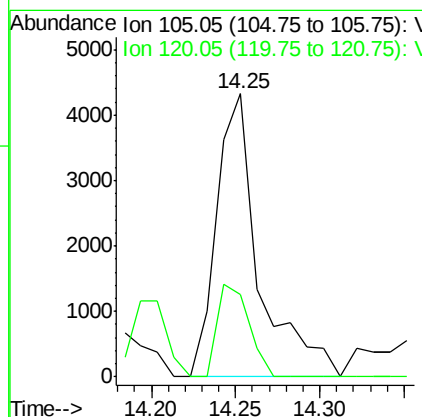
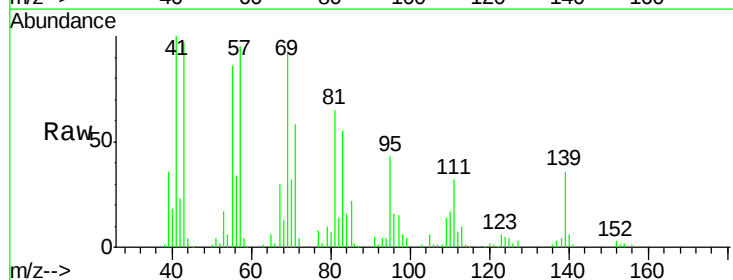
Instrument :
 MSVOA_D
 ClientSampleId :

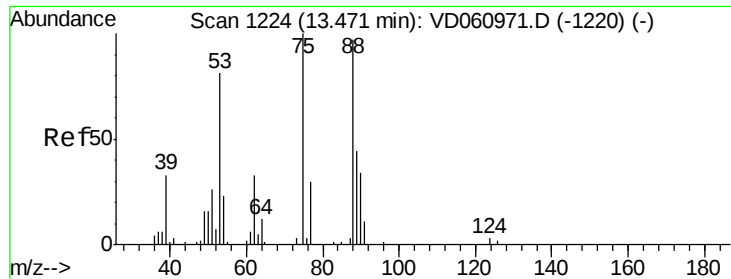
Tot Ion: 91 Resp: 5790
 Ion Ratio Lower Upper
 91 100
 126 55.5 18.6 55.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.618 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

Tgt Ion: 105 Resp: 7554
 Ion Ratio Lower Upper
 105 100
 120 29.3 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 152.092 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

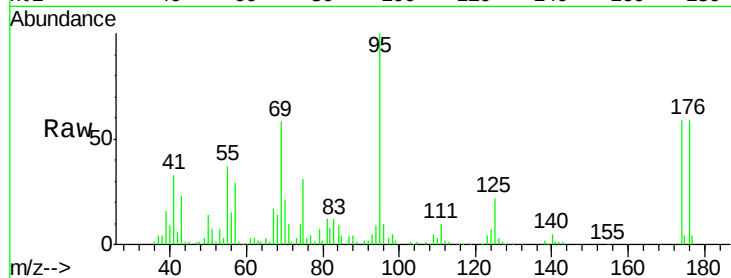
Tot Ion: 75 Resp: 55055

Ion Ratio Lower Upper

75 100

53 23.9 64.4 96.6#

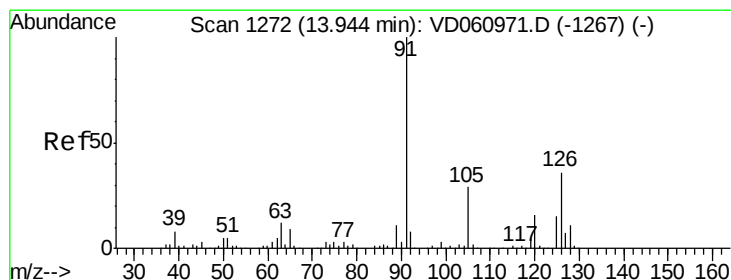
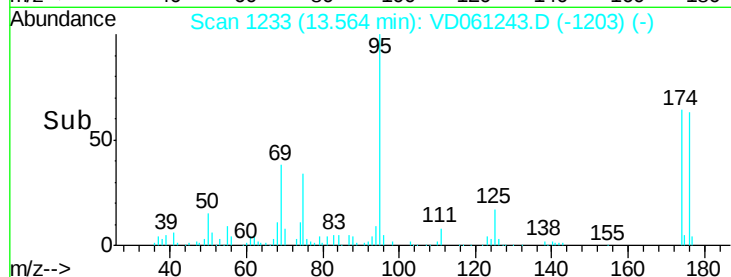
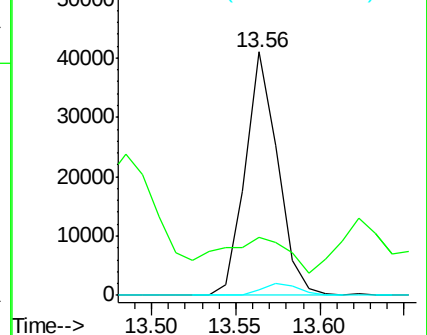
89 2.4 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 1.335 ug/l

RT: 13.98 min Scan# 1275

Delta R.T. 0.03 min

Lab File: VD061243.D

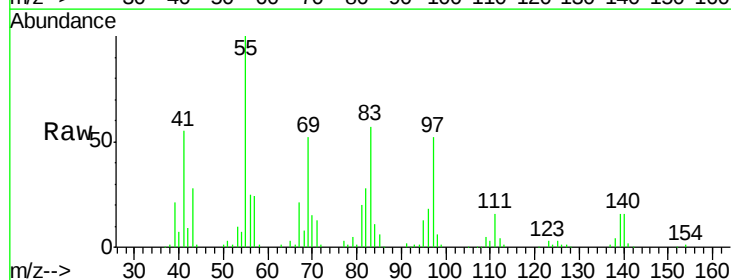
Acq: 21 Mar 2019 14:31

Tgt Ion: 91 Resp: 6254

Ion Ratio Lower Upper

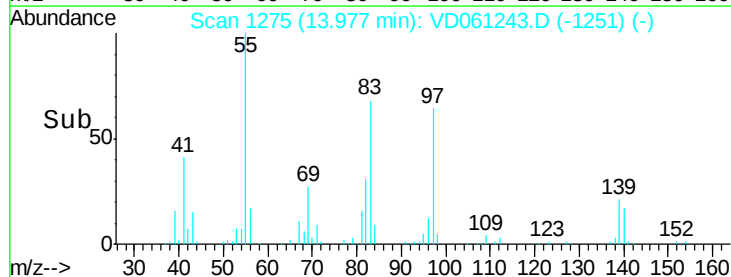
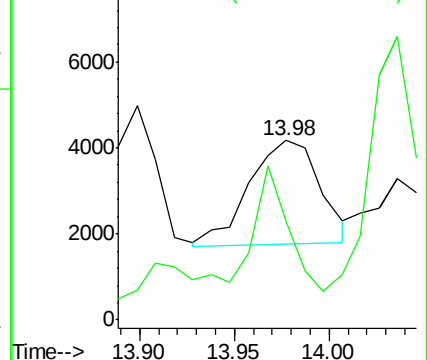
91 100

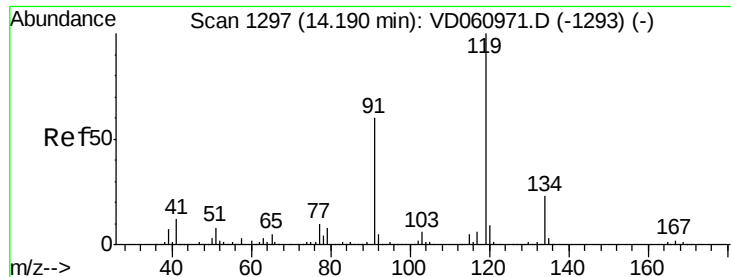
126 55.5 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 3.357 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

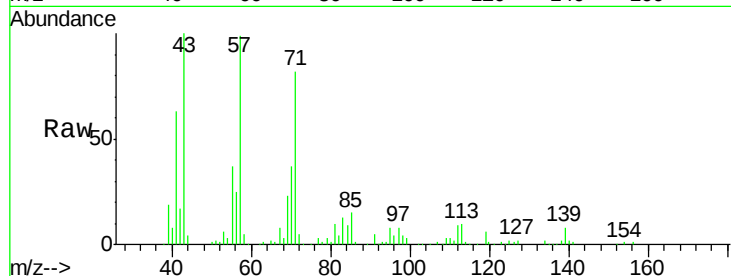
Tot Ion:119 Resp: 17156

Ion Ratio Lower Upper

119 100

91 88.7 30.1 90.3

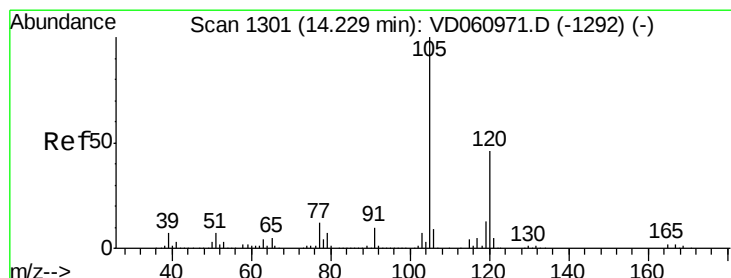
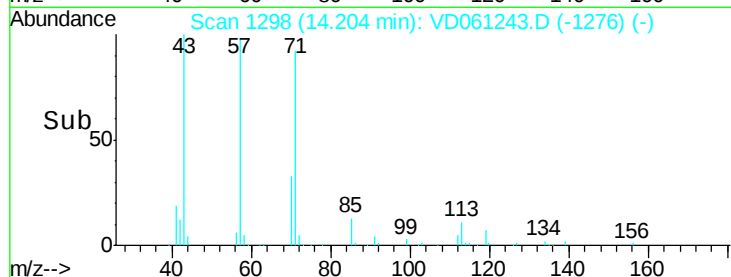
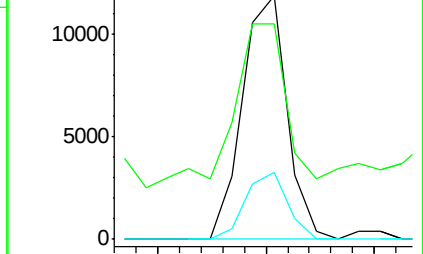
134 27.7 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.618 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061243.D

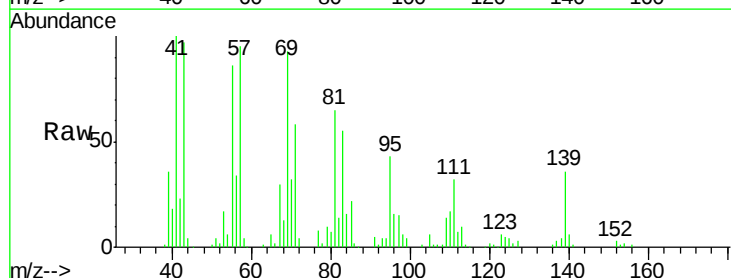
Acq: 21 Mar 2019 14:31

Tgt Ion:105 Resp: 7554

Ion Ratio Lower Upper

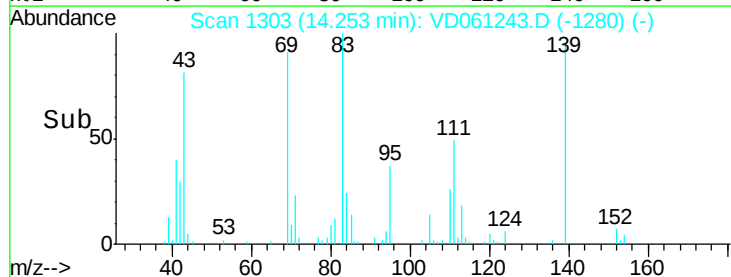
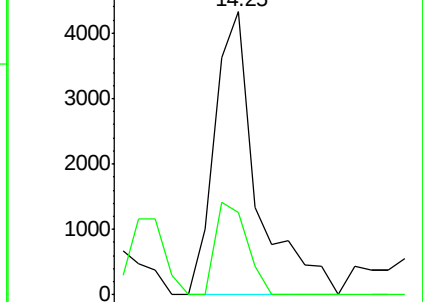
105 100

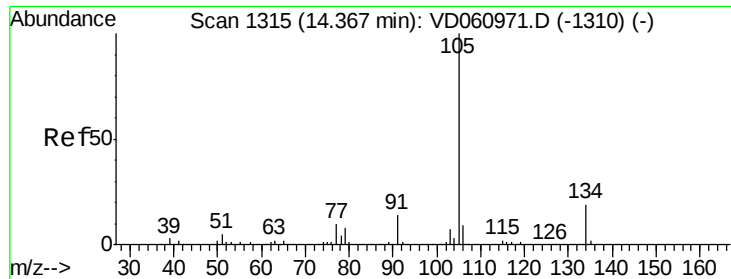
120 29.3 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

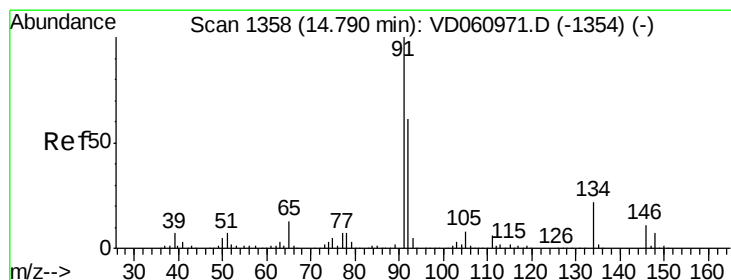
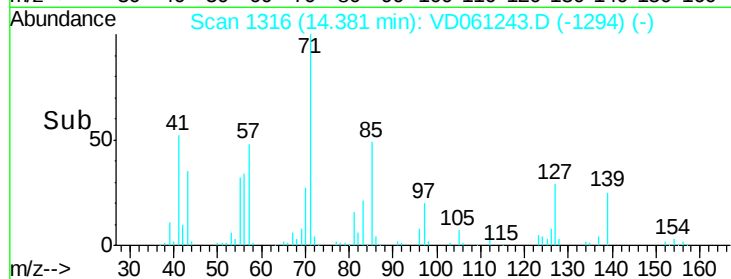
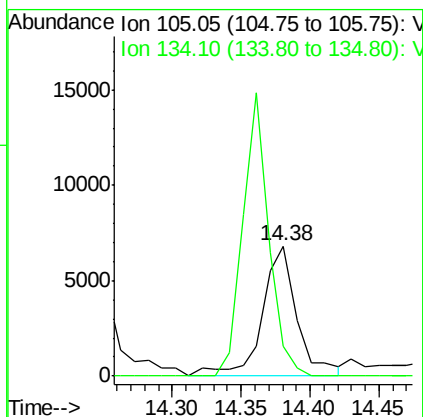
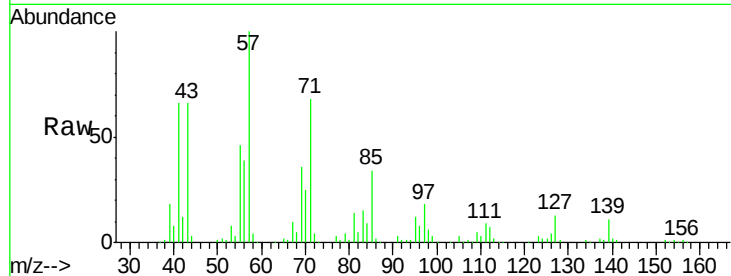




#85
 sec-Butylbenzene
 Concen: 1.936 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

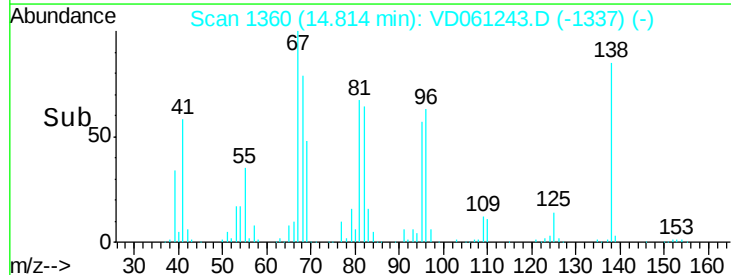
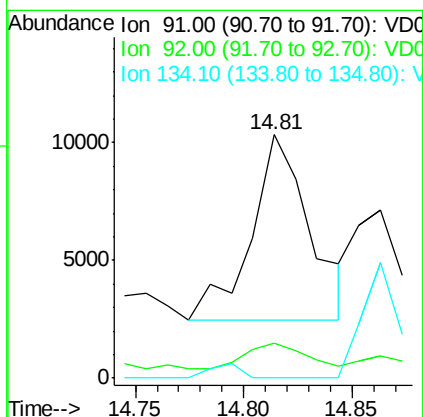
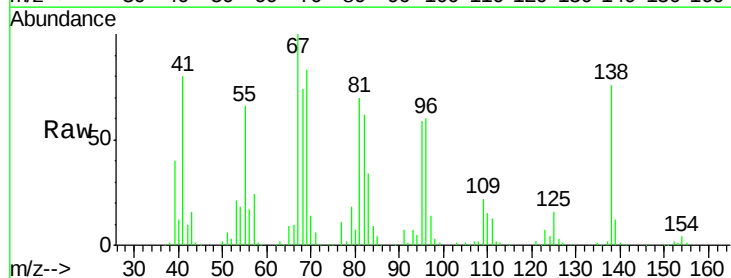
Instrument :
 MSVOA_D
 ClientSampled :

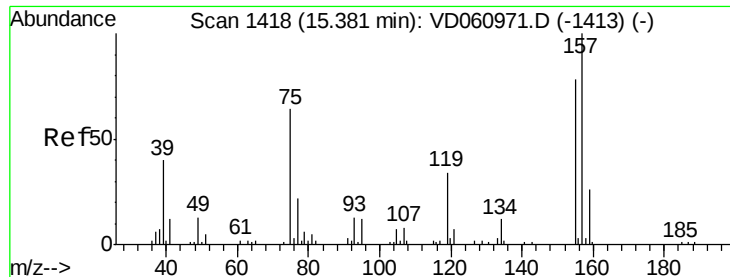
Tot Ion: 105 Resp: 12077
 Ion Ratio Lower Upper
 105 100
 134 23.3 9.4 28.2



#89
 n-Butylbenzene
 Concen: 3.031 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061243.D
 Acq: 21 Mar 2019 14:31

Tgt Ion: 91 Resp: 14843
 Ion Ratio Lower Upper
 91 100
 92 14.2 30.6 91.8#
 134 0.0 11.0 33.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.584 ug/l

RT: 15.36 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampled :

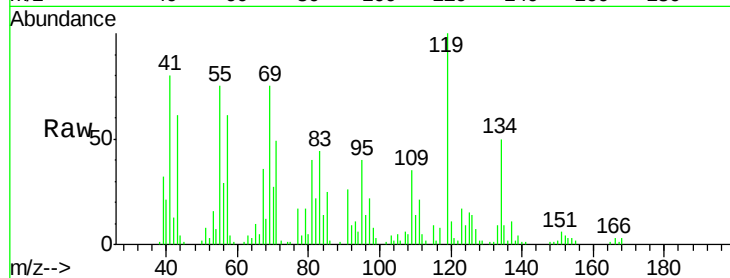
Tot Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

155 246.4 61.2 183.5#

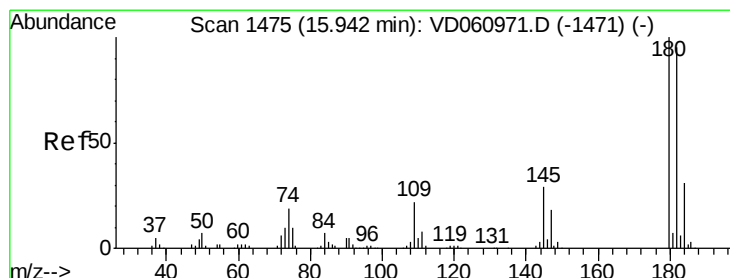
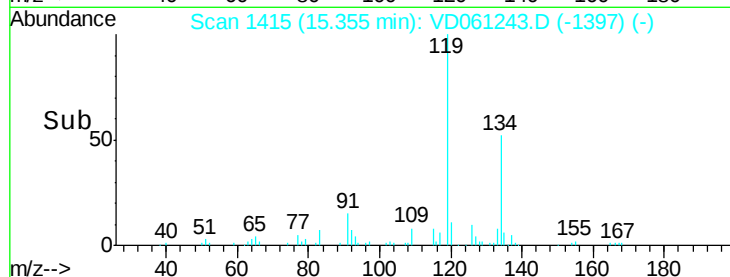
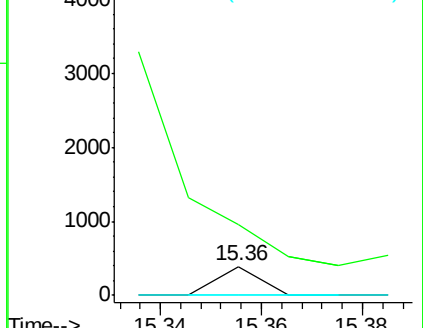
157 0.0 78.3 234.8#



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: 1.605 ug/l

RT: 15.96 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

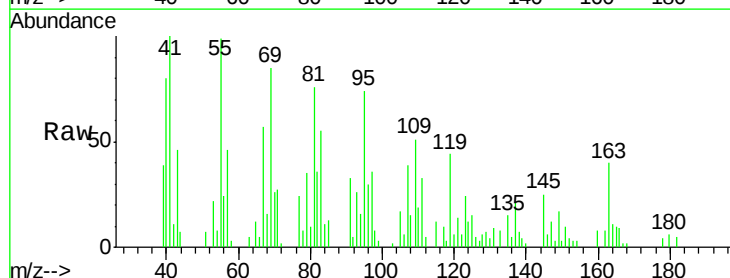
Tgt Ion:180 Resp: 1740

Ion Ratio Lower Upper

180 100

182 83.5 47.3 142.0

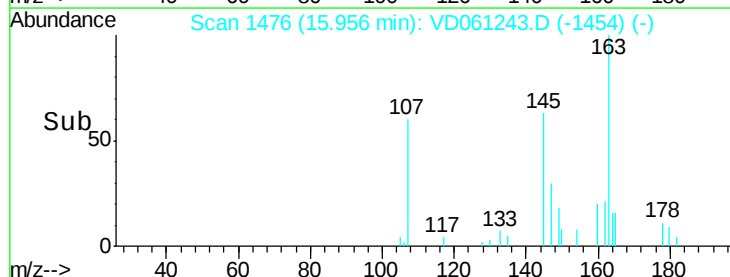
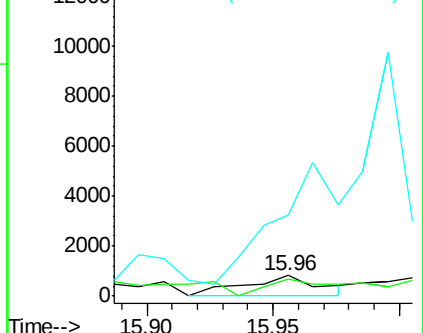
145 397.8 14.4 43.0#

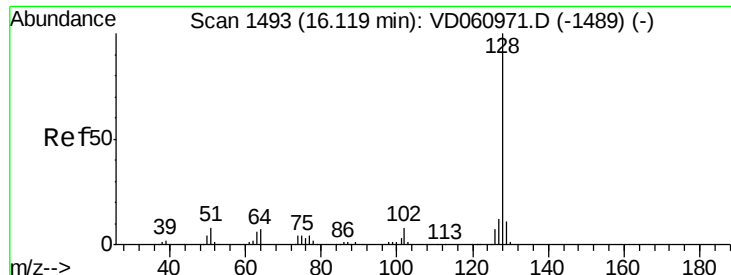


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 1.026 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

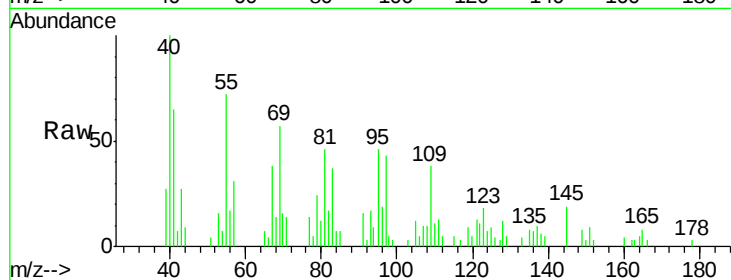
Lab File: VD061243.D

Acq: 21 Mar 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:128 Resp: 1690

Ion Ratio Lower Upper

128 100

127 25.6 9.8 14.8#

129 39.9 8.5 12.7#

