

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061248.D
 Acq On : 21 Mar 2019 16:49
 Operator : VA/AP
 Sample : K2004-03RE
 Misc : 4.72g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:32:15 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	7.08	168	247336	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	488741	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	285182	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	59083	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	174577	84.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	169.60%	
35) Dibromofluoromethane	6.96	113	226544	62.46	ug/l	0.03
Spiked Amount	50.000		Recovery	=	124.92%	
50) Toluene-d8	10.43	98	434058	47.65	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	13.62	95	167839	47.49	ug/l	0.07
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds

						Qvalue
16) Acetone	3.24	43	111756	189.826	ug/l	98
20) Methylene Chloride	3.86	84	22961	4.290	ug/l	85
25) 2-Butanone	6.09	43	59856	89.599	ug/l	99
29) Tetrahydrofuran	6.69	42	6980	19.242	ug/l #	1
31) Cyclohexane	7.14	56	387945	106.487	ug/l #	19
36) 1,1-Dichloropropene	7.08	75	16194	3.844	ug/l #	45
37) Ethyl Acetate	6.09	43	52919	26.768	ug/l #	66
38) Carbon Tetrachloride	7.08	117	23780	5.124	ug/l #	14
39) Methylcyclohexane	8.87	83	499713	114.392	ug/l #	40
43) Isopropyl Acetate	9.30	43	663643	242.369	ug/l #	43
45) 1,2-Dichloropropane	8.96	63	3161	1.143	ug/l #	1
47) Bromodichloromethane	9.34	83	73247	18.502	ug/l #	55
48) Methyl methacrylate	9.05	41	387326	251.237	ug/l #	45
51) 4-Methyl-2-Pentanone	10.39	43	86764	51.723	ug/l #	77
55) 1,1,2-Trichloroethane	11.12	97	1140197	523.034	ug/l #	18
56) Ethyl methacrylate	11.12	69	249894	109.516	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.81	63	2610	2.161	ug/l #	46
59) 2-Hexanone	11.51	43	294760	240.217	ug/l #	35
60) Dibromochloromethane	11.66	129	8872	2.765	ug/l #	11
74) N-amyl acetate	13.29	43	1023104	853.333	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	13.73	83	370407	445.866	ug/l #	81
76) 1,2,3-Trichloropropane	13.56	75	30470	35.846	ug/l	71
77) Bromobenzene	13.74	156	2888	2.657	ug/l #	1
78) n-propylbenzene	13.73	91	32219	6.463	ug/l #	54
79) 2-Chlorotoluene	13.94	91	4161	1.516	ug/l	91
80) 1,3,5-Trimethylbenzene	14.25	105	12735	3.940	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.56	75	30720	122.585	ug/l #	58
82) 4-Chlorotoluene	13.94	91	10227	3.152	ug/l	89
83) tert-Butylbenzene	14.20	119	37339	10.555	ug/l	79
84) 1,2,4-Trimethylbenzene	14.25	105	12735	3.940	ug/l	92
85) sec-Butylbenzene	14.38	105	4963	1.149	ug/l #	1
87) 1,3-Dichlorobenzene	14.48	146	2003	1.032	ug/l #	1
88) 1,4-Dichlorobenzene	14.48	146	2003	1.050	ug/l #	1
89) n-Butylbenzene	14.76	91	3772	1.113	ug/l #	40

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

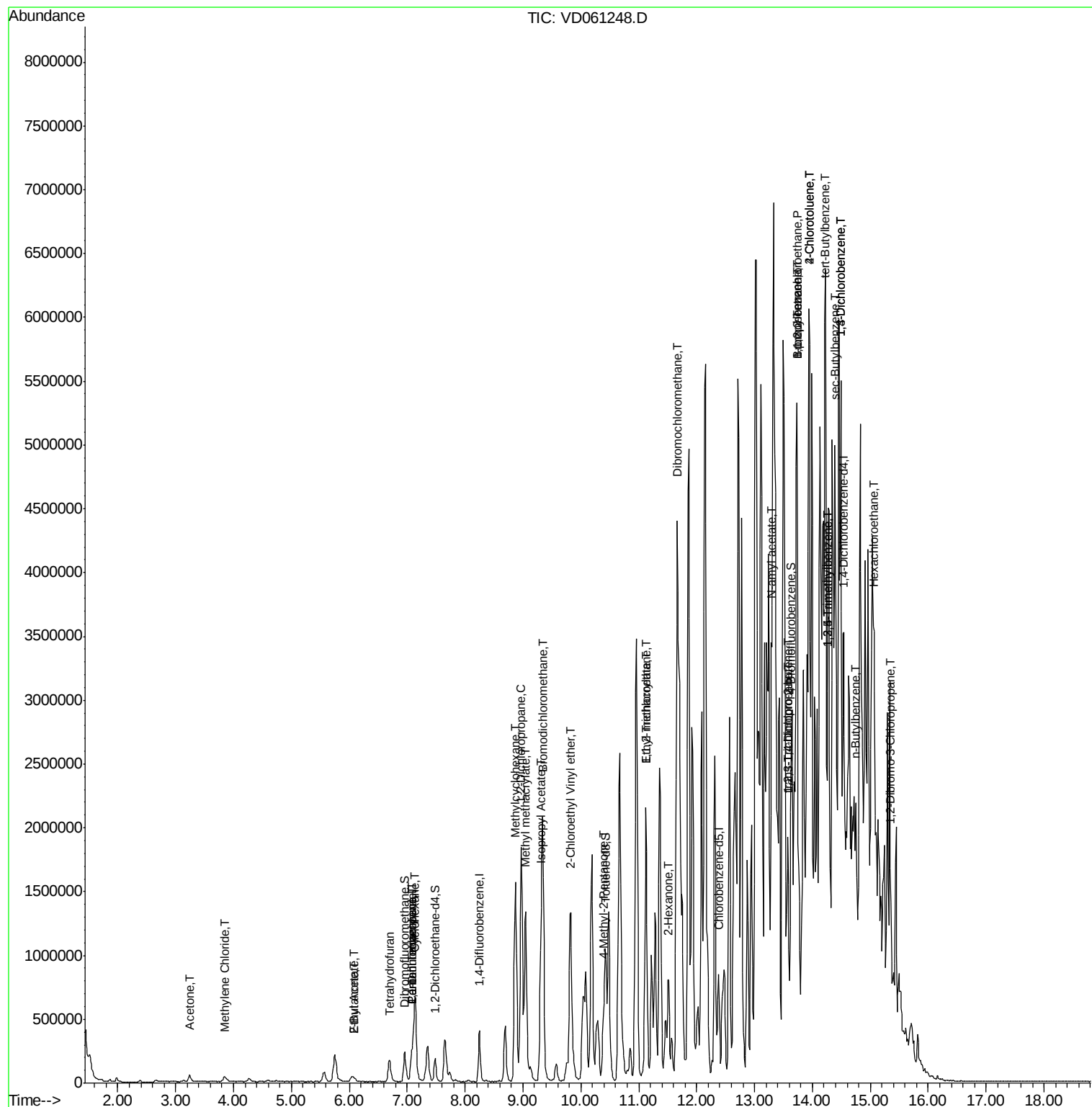
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	15.07	117	31162	31.262	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	15.36	75	2319	23.164	ug/l #	17

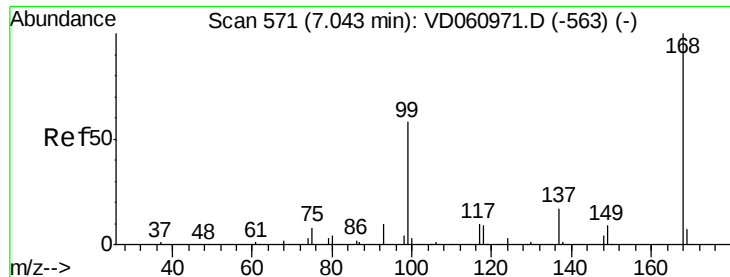
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

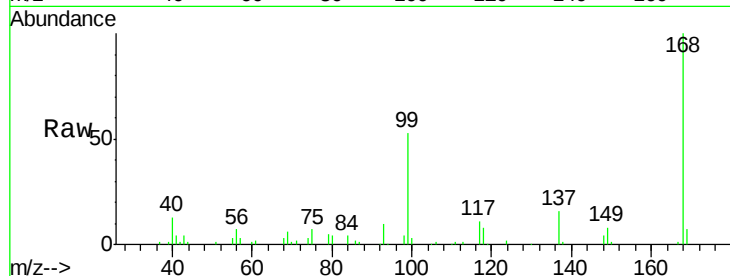
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 247336

Ion Ratio Lower Upper

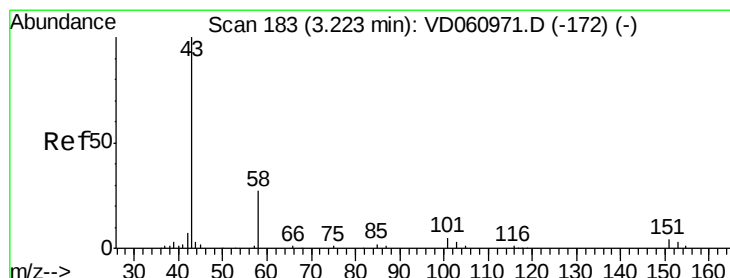
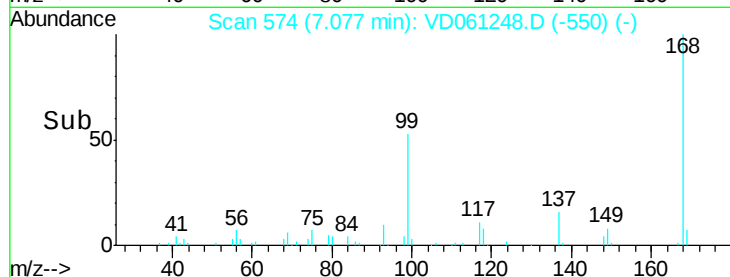
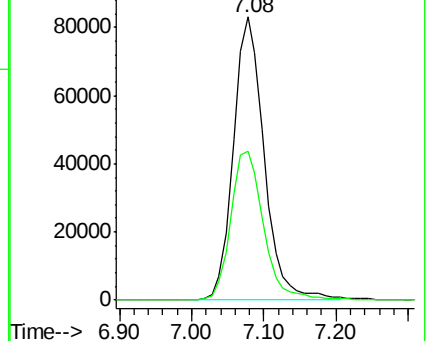
168 100

99 52.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 189.826 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061248.D

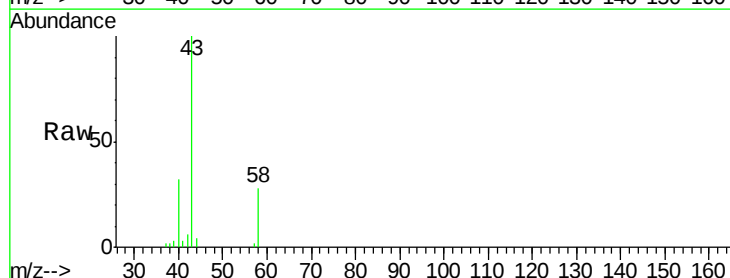
Acq: 21 Mar 2019 16:49

Tgt Ion: 43 Resp: 111756

Ion Ratio Lower Upper

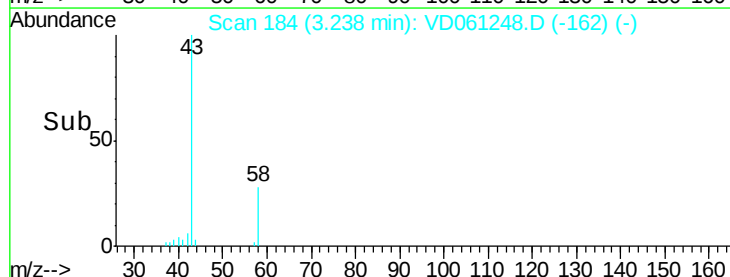
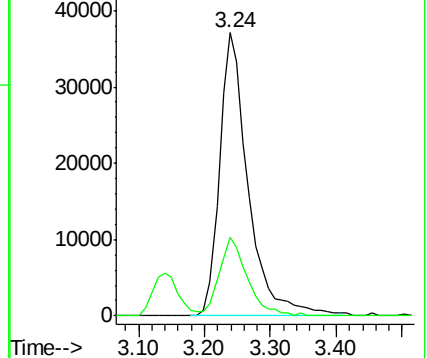
43 100

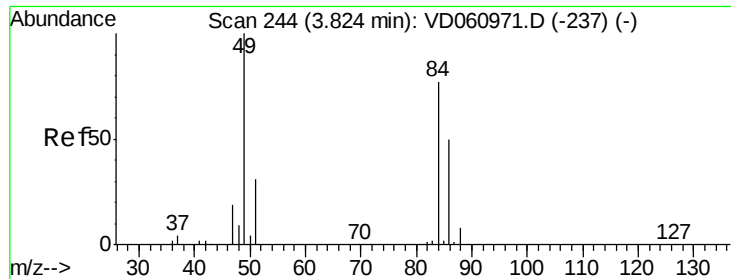
58 27.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

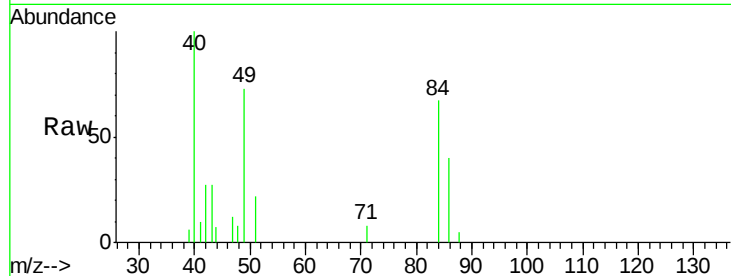




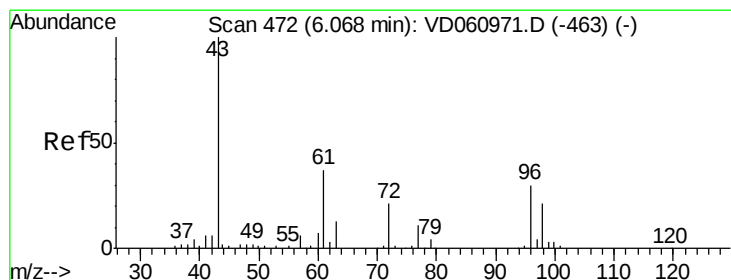
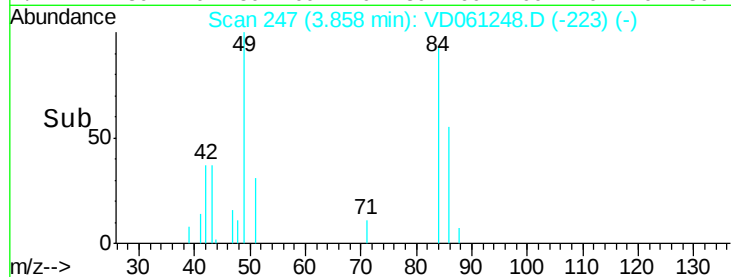
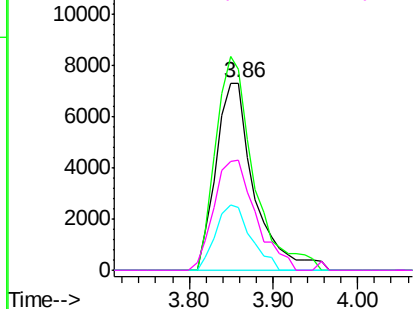
#20
Methvlene Chloride
Concen: 4.290 ug/l
RT: 3.86 min Scan# 247
Delta R.T. 0.04 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 22961
Ion Ratio Lower Upper
84 100
49 107.6 104.2 156.2
51 33.3 32.3 48.5
86 59.0 52.3 78.5

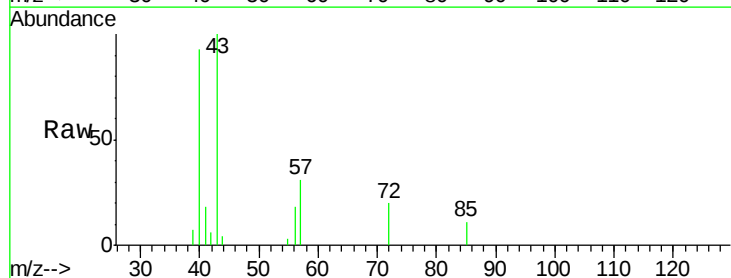


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

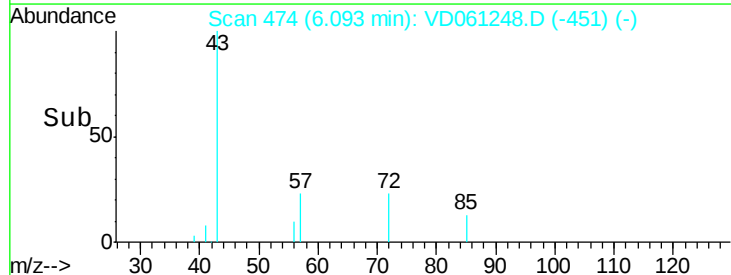
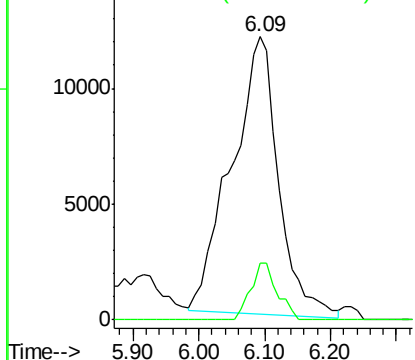


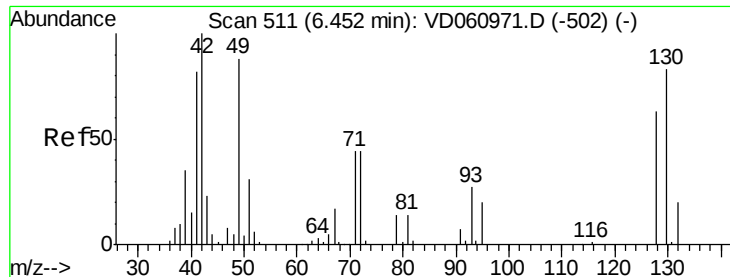
#25
2-Butanone
Concen: 89.599 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 43 Resp: 59856
Ion Ratio Lower Upper
43 100
72 20.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 19.242 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.24 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

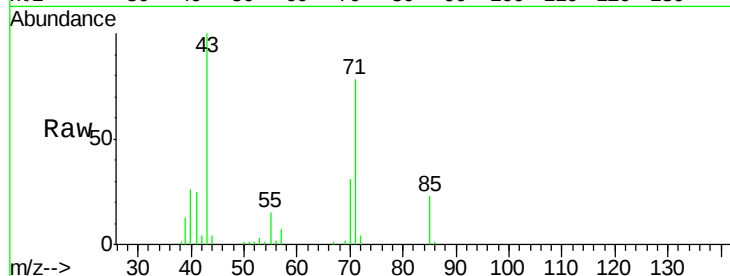
Tot Ion: 42 Resp: 6980

Ion Ratio Lower Upper

42 100

72 107.1 34.5 51.7#

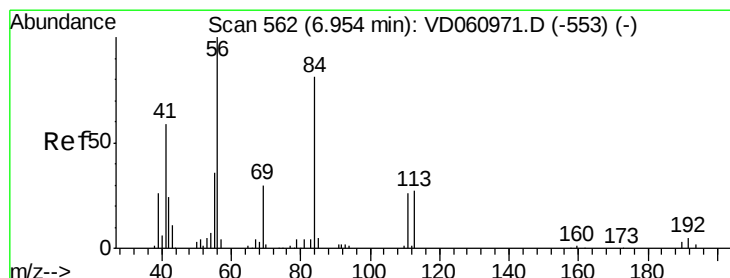
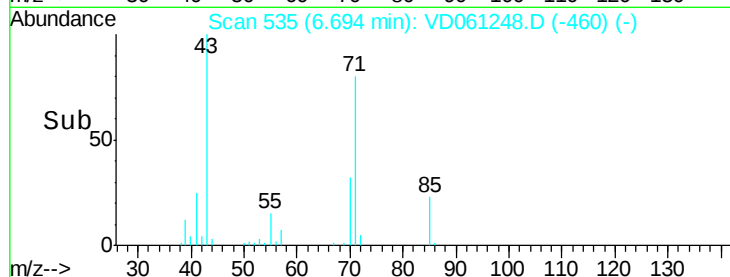
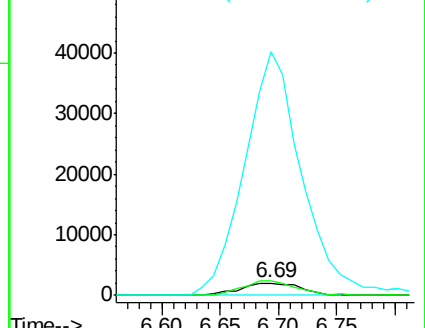
71 1988.1 33.8 50.6#



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: 106.487 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.18 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

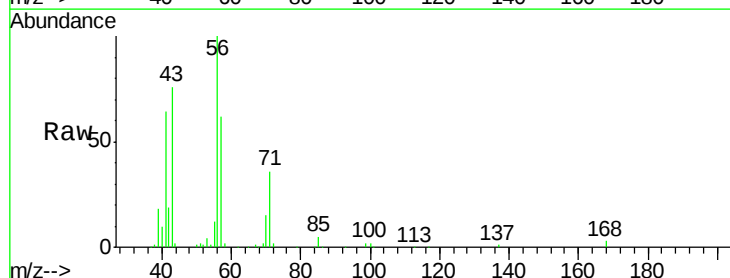
Tgt Ion: 56 Resp: 387945

Ion Ratio Lower Upper

56 100

69 2.3 24.0 36.0#

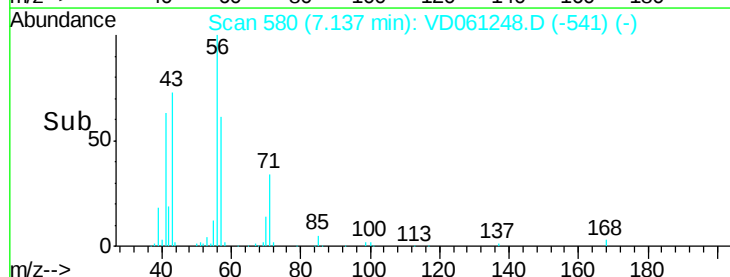
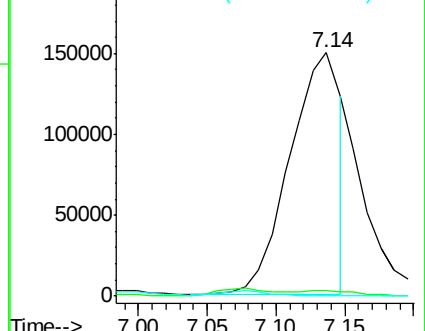
84 0.3 65.8 98.6#

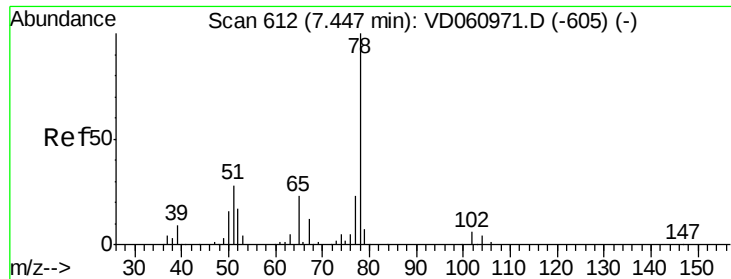


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

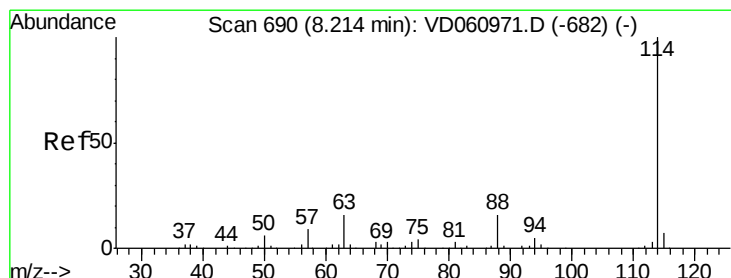
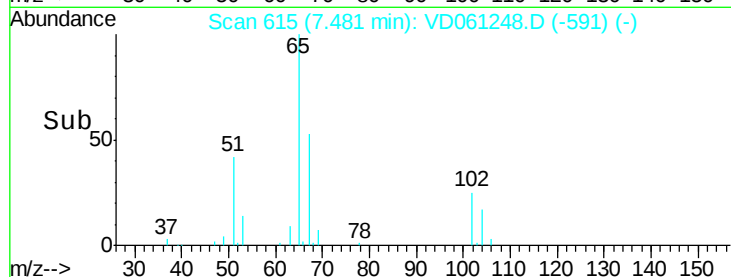
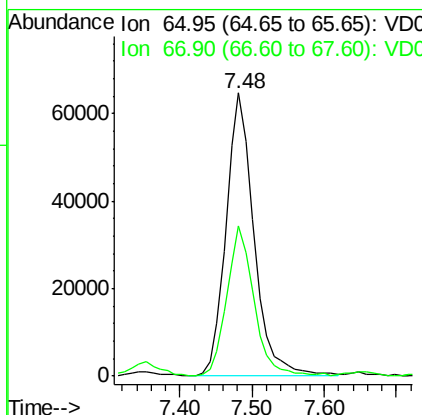
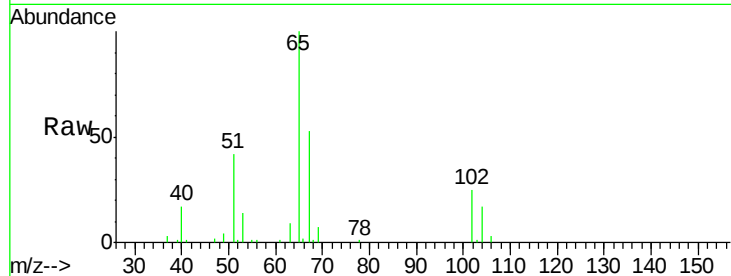




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061248.D
 Acq: 21 Mar 2019 16:49

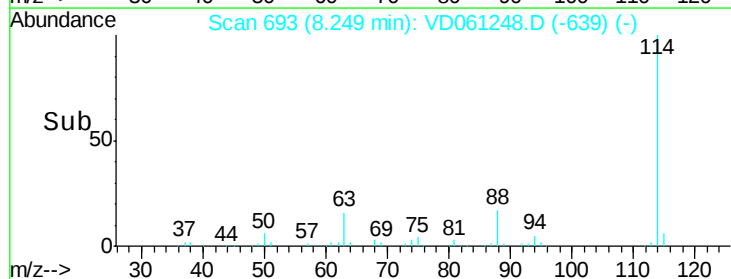
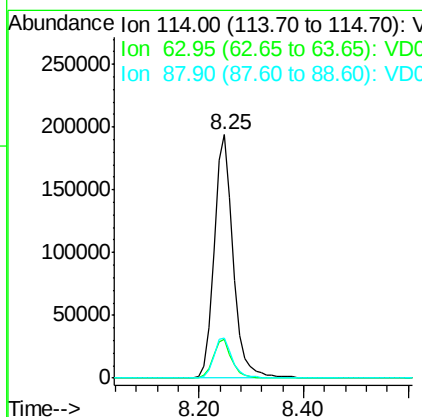
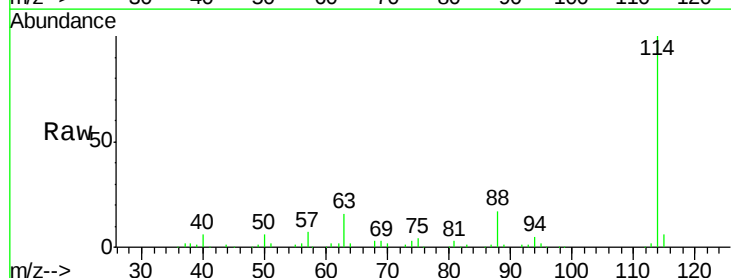
Instrument :
 MSVOA_D
 ClientSampleId :

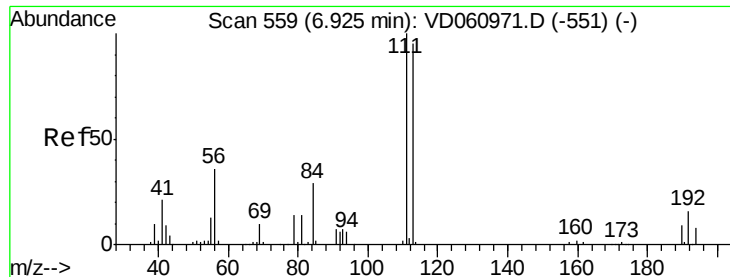
Tot Ion: 65 Resp: 174577
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061248.D
 Acq: 21 Mar 2019 16:49

Tgt Ion: 114 Resp: 488741
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

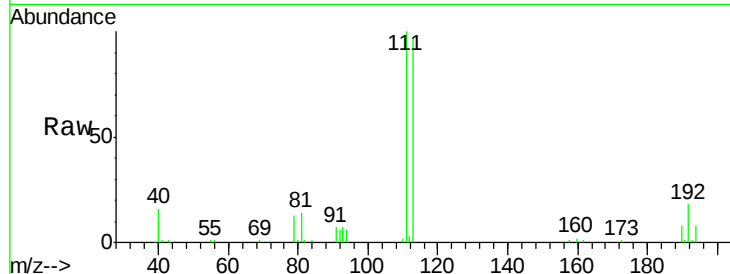
Tot Ion:113 Resp: 226544

Ion Ratio Lower Upper

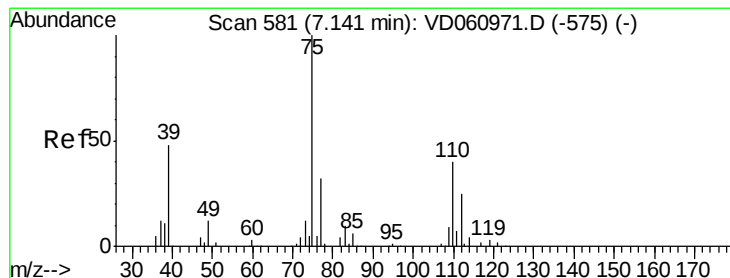
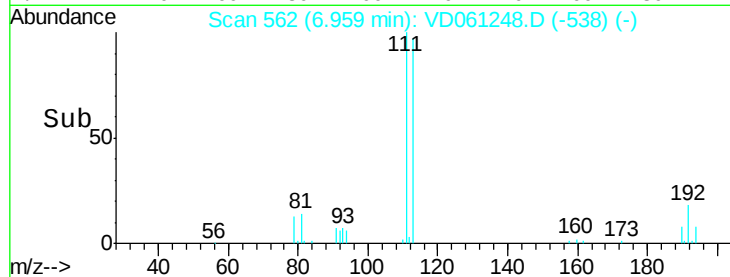
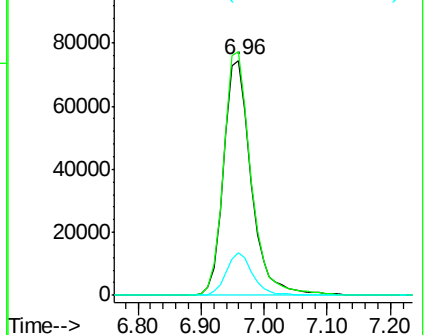
113 100

111 103.6 84.2 126.4

192 18.3 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: 3.844 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.06 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

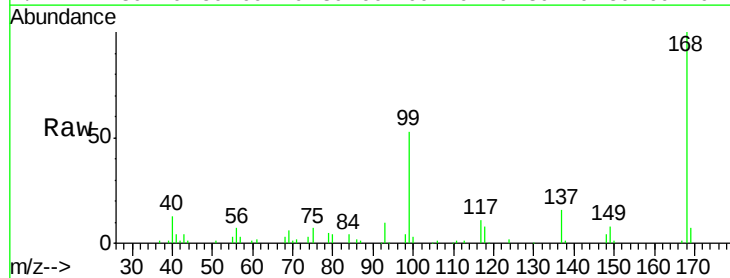
Tgt Ion: 75 Resp: 16194

Ion Ratio Lower Upper

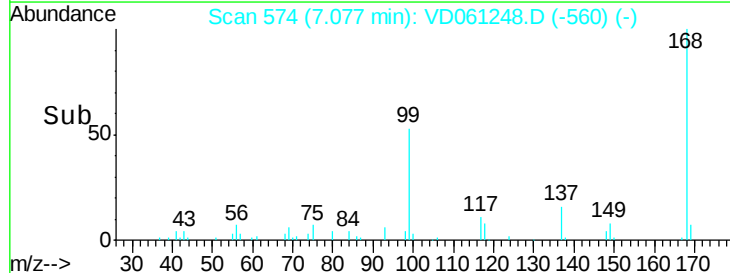
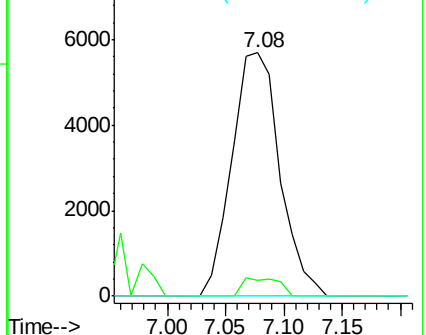
75 100

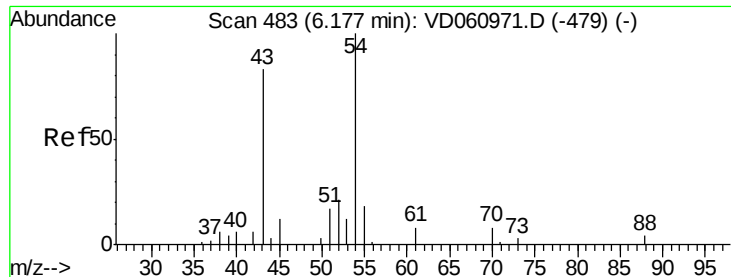
110 6.4 19.7 59.1#

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

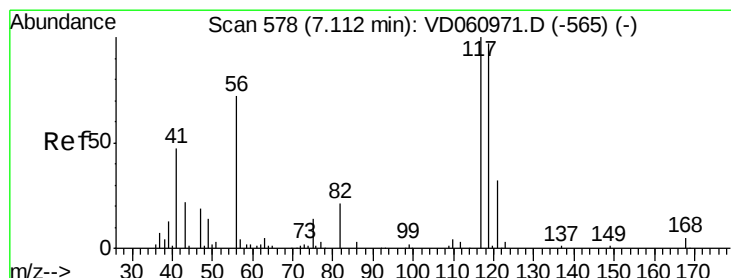
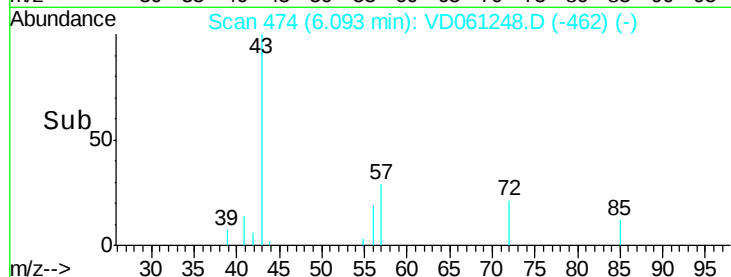
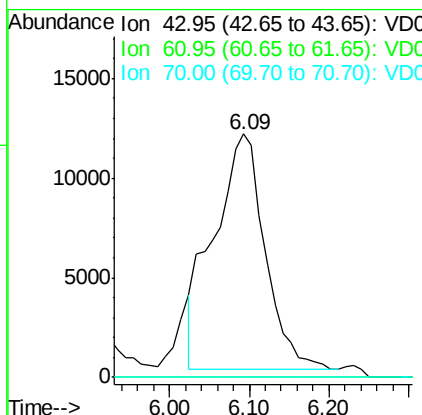
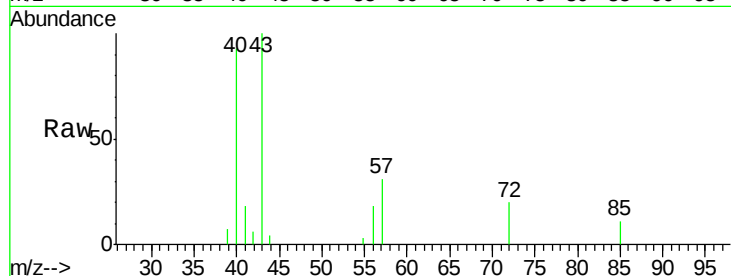




#37
Ethyl Acetate
Concen: 26.768 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.08 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

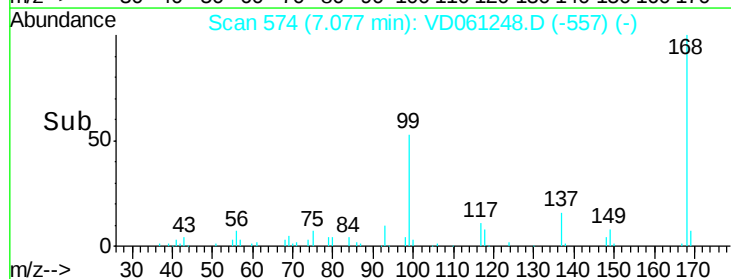
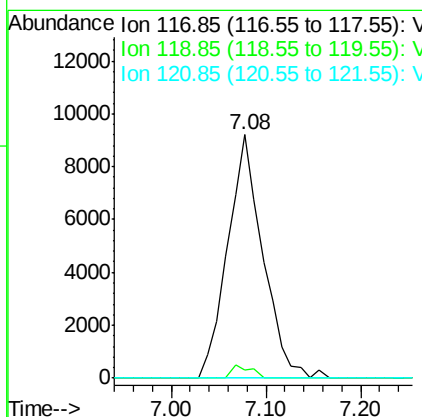
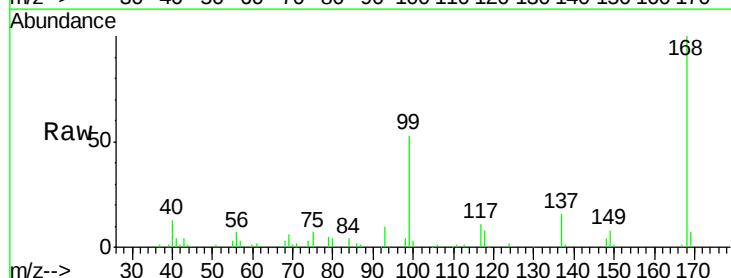
Instrument :
MSVOA_D
ClientSampleId :

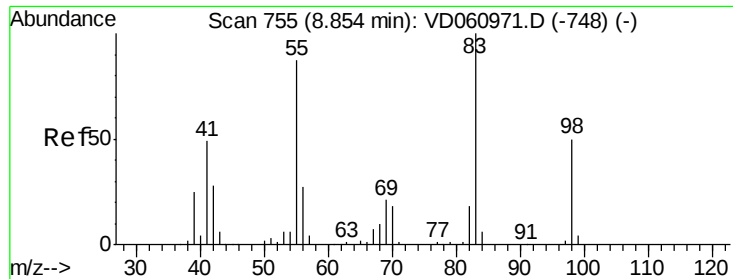
Tot Ion: 43 Resp: 52919
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 7.08 min Scan# 574
Delta R.T. -0.03 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 117 Resp: 23780
Ion Ratio Lower Upper
117 100
119 3.5 77.8 116.8#
121 0.0 25.3 37.9#

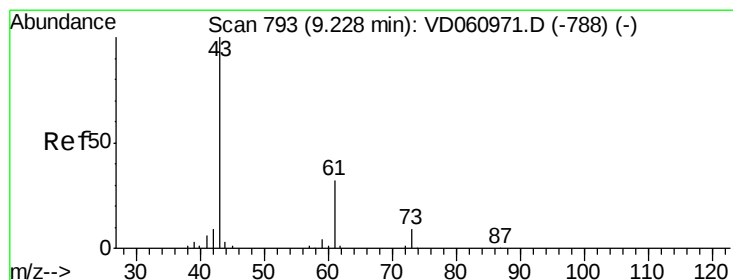
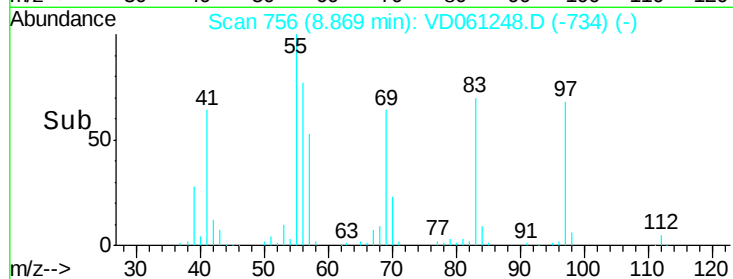
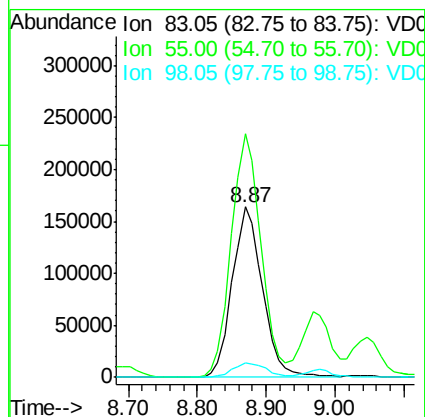
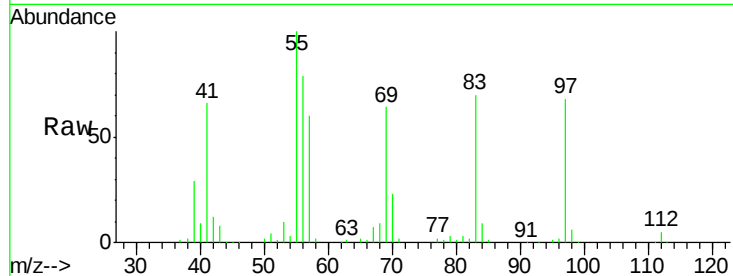




#39
Methylcyclohexane
Concen: 114.392 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

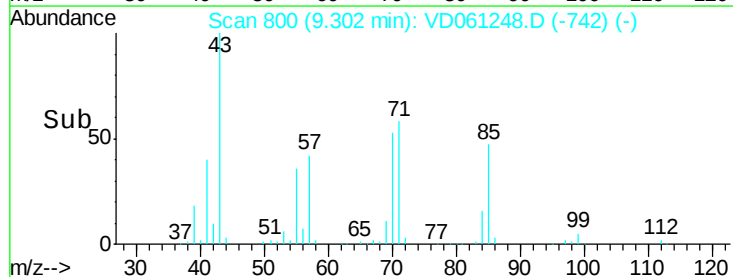
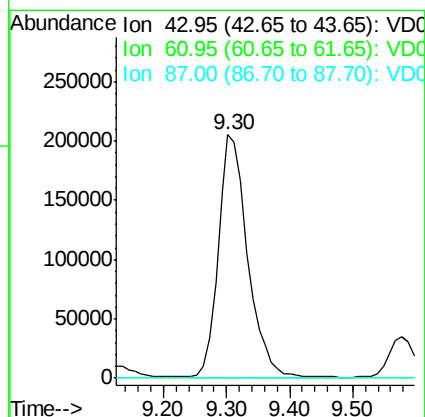
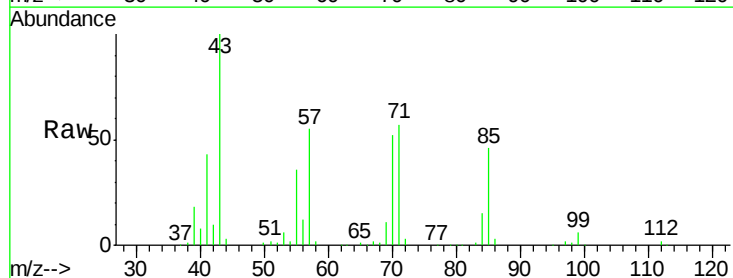
Instrument :
MSVOA_D
ClientSampleId :

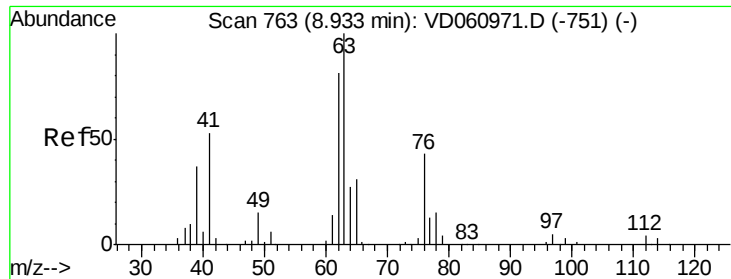
Tot Ion: 83 Resp: 499713
Ion Ratio Lower Upper
83 100
55 142.9 69.6 104.4#
98 8.3 40.0 60.0#



#43
Isopropyl Acetate
Concen: 242.369 ug/l
RT: 9.30 min Scan# 800
Delta R.T. 0.07 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 43 Resp: 663643
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#





#45

1,2-Dichloropropane

Concen: 1.143 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

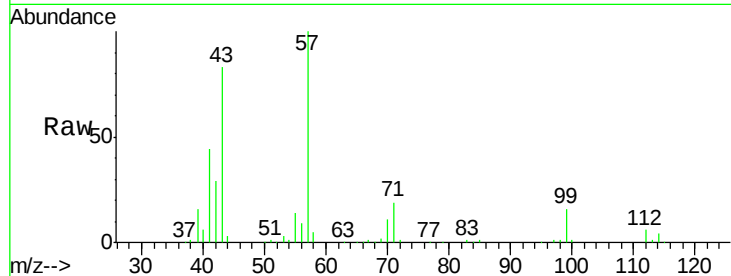
ClientSampled :

Tot Ion: 63 Resp: 3161

Ion Ratio Lower Upper

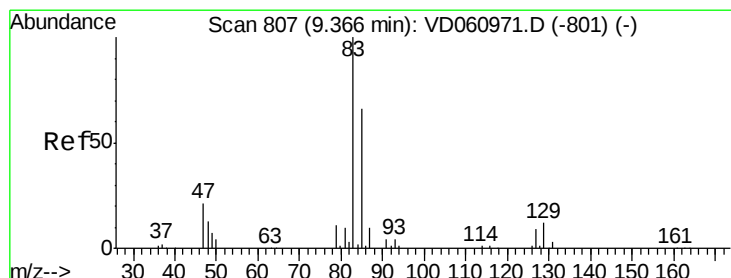
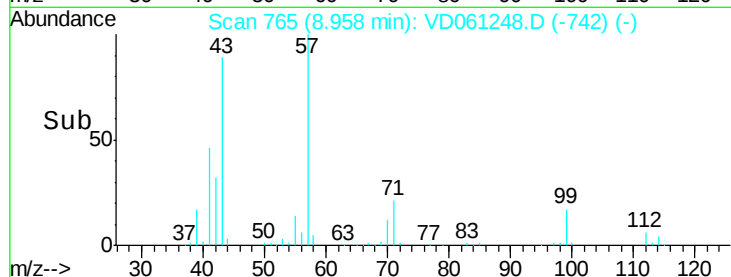
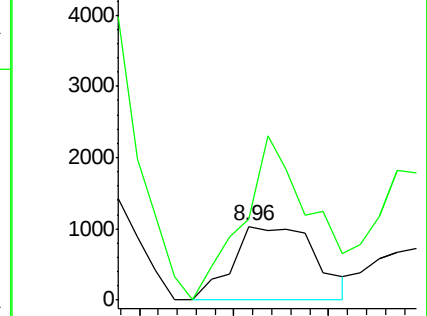
63 100

65 110.3 24.8 37.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#47

Bromodichloromethane

Concen: 18.502 ug/l

RT: 9.34 min Scan# 804

Delta R.T. -0.02 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

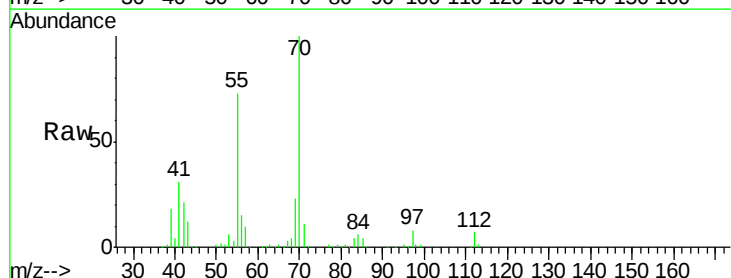
Tgt Ion: 83 Resp: 73247

Ion Ratio Lower Upper

83 100

85 103.4 52.5 78.7#

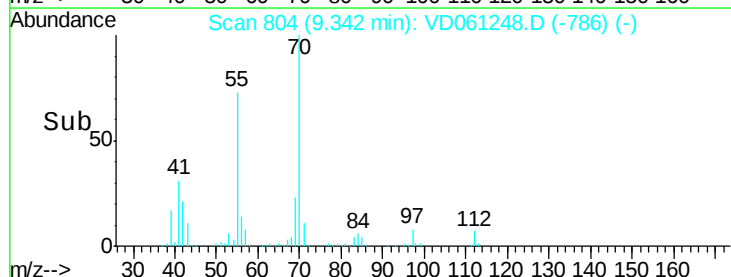
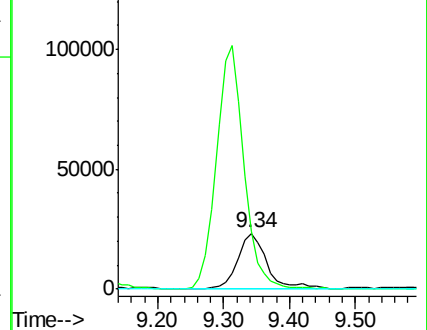
127 0.0 7.5 11.3#

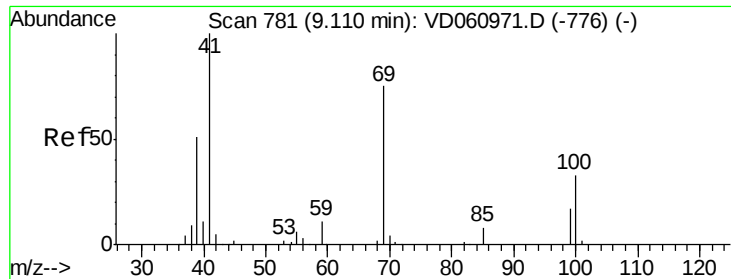


Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 251.237 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.06 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

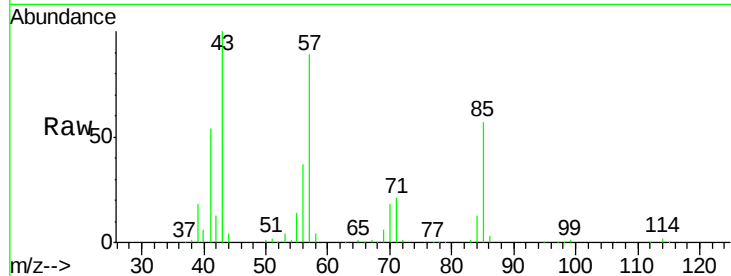
Tot Ion: 41 Resp: 387326

Ion Ratio Lower Upper

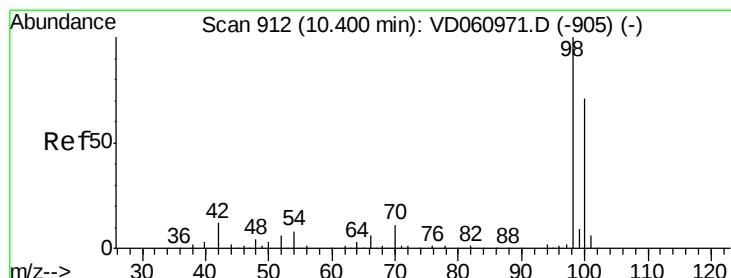
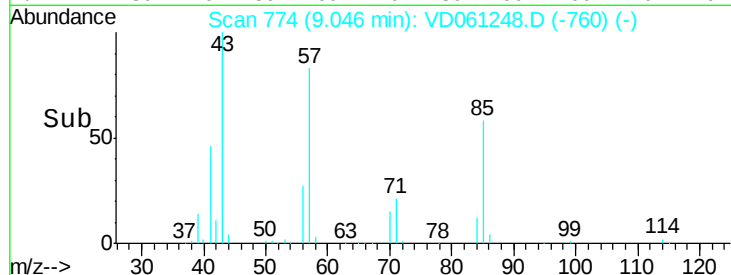
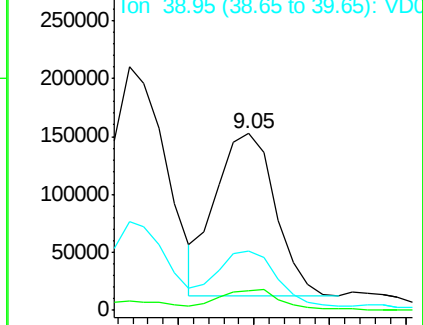
41 100

69 11.4 59.9 89.9#

39 33.5 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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061248.D

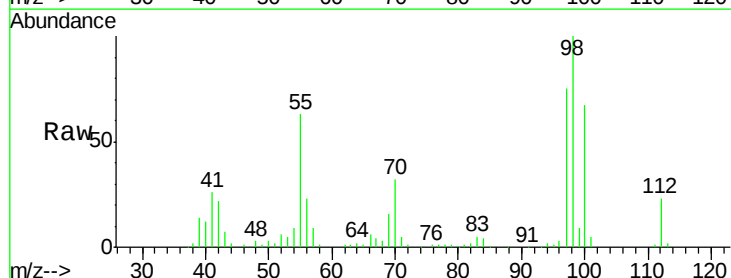
Acq: 21 Mar 2019 16:49

Tgt Ion: 98 Resp: 434058

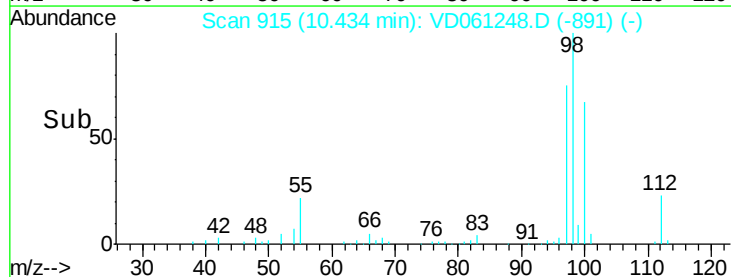
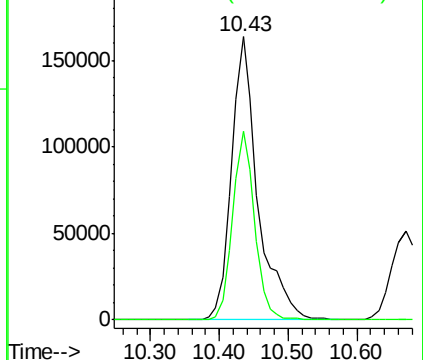
Ion Ratio Lower Upper

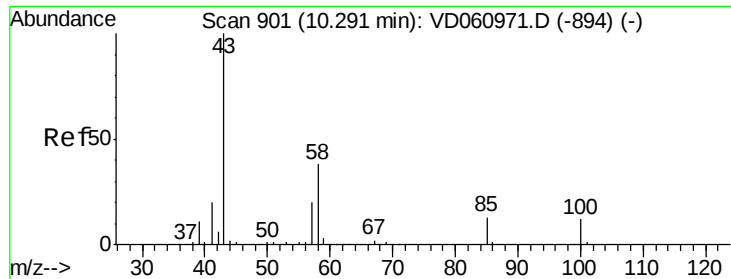
98 100

100 66.5 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: 51.723 ug/l

RT: 10.39 min Scan# 910

Delta R.T. 0.09 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

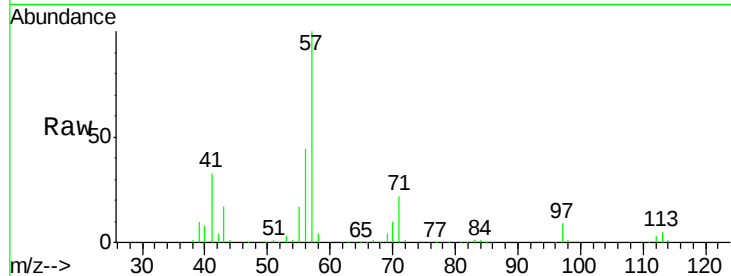
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 86764

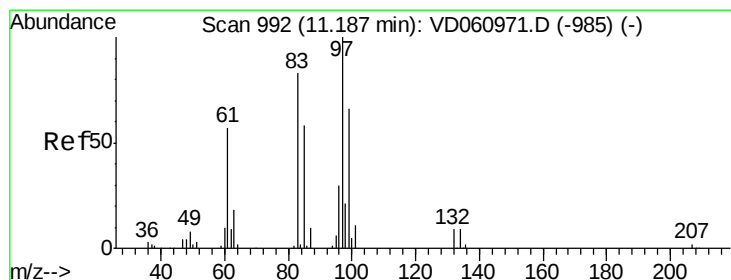
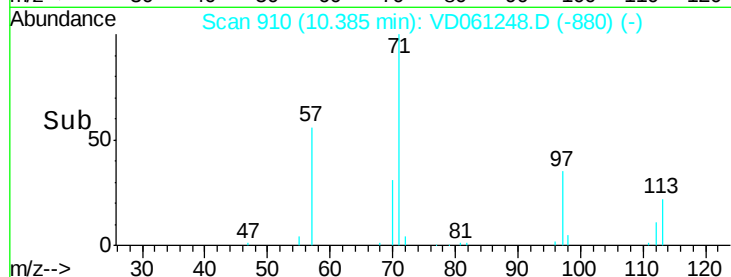
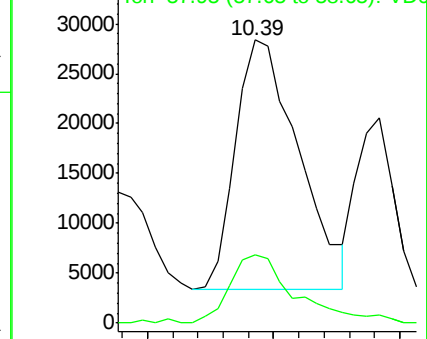
Ion Ratio Lower Upper

43 100

58 24.0 30.2 45.2#



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



#55

1,1,2-Trichloroethane

Concen: 523.034 ug/l

RT: 11.12 min Scan# 985

Delta R.T. -0.06 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Tgt Ion: 97 Resp: 1140197

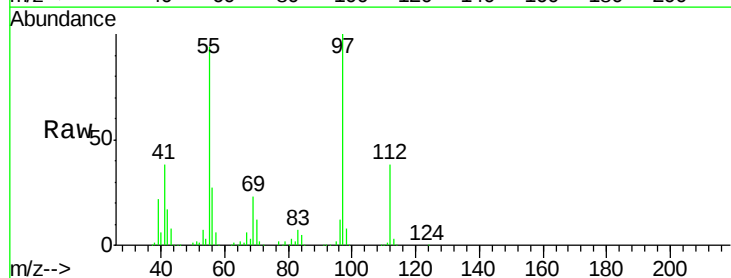
Ion Ratio Lower Upper

97 100

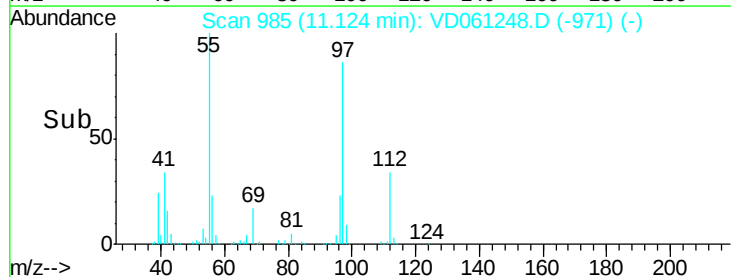
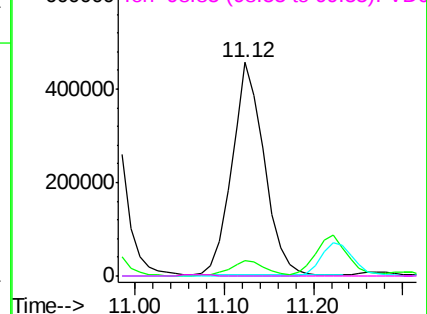
83 7.4 66.6 100.0#

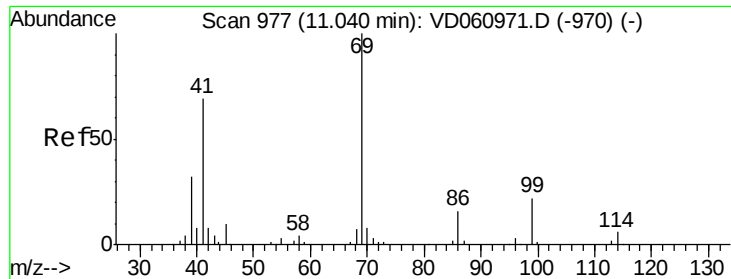
85 0.3 46.4 69.6#

99 0.2 52.4 78.6#



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: 109.516 ug/l

RT: 11.12 min Scan# 985

Delta R.T. 0.08 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

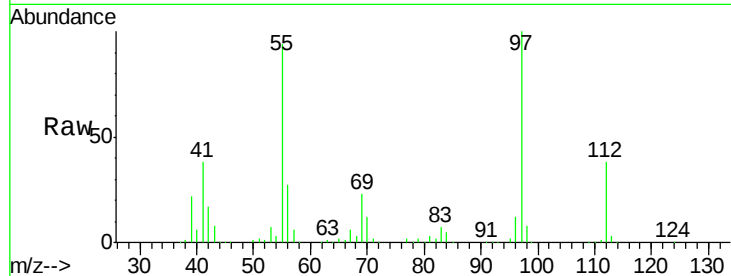
Tot Ion: 69 Resp: 249894

Ion Ratio Lower Upper

69 100

41 166.6 55.5 83.3#

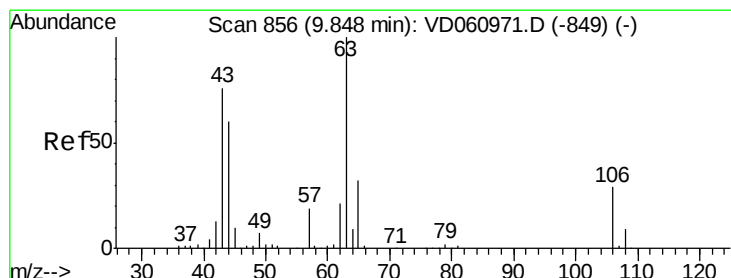
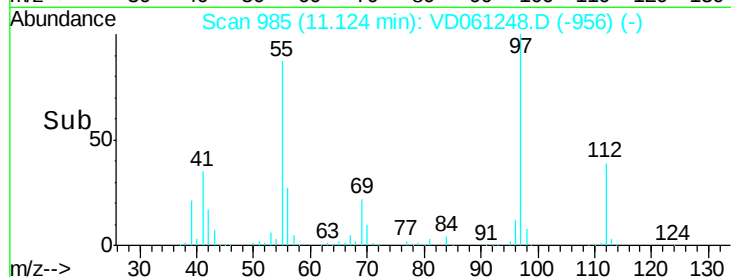
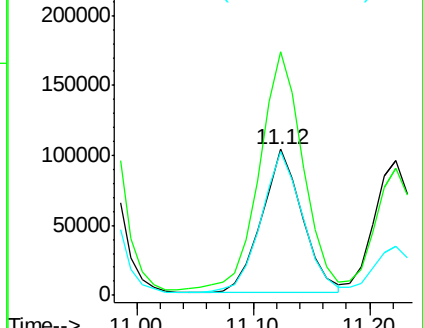
39 98.3 26.2 39.2#



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



#58

2-Chloroethyl Vinyl ether

Concen: 2.161 ug/l

RT: 9.81 min Scan# 852

Delta R.T. -0.03 min

Lab File: VD061248.D

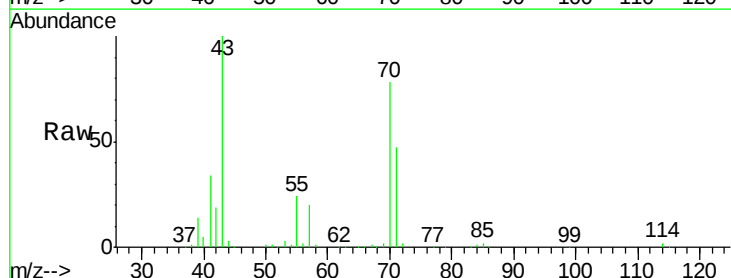
Acq: 21 Mar 2019 16:49

Tgt Ion: 63 Resp: 2610

Ion Ratio Lower Upper

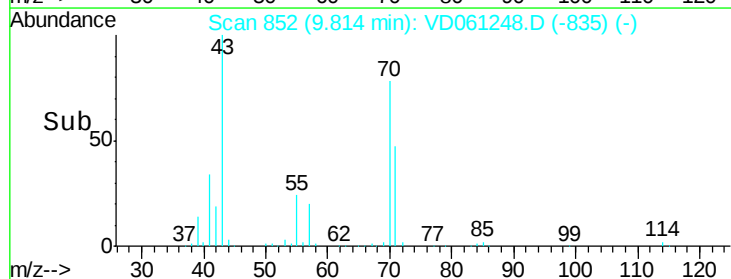
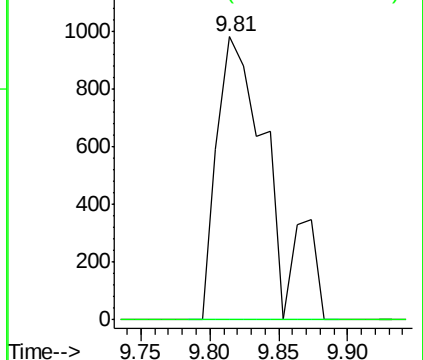
63 100

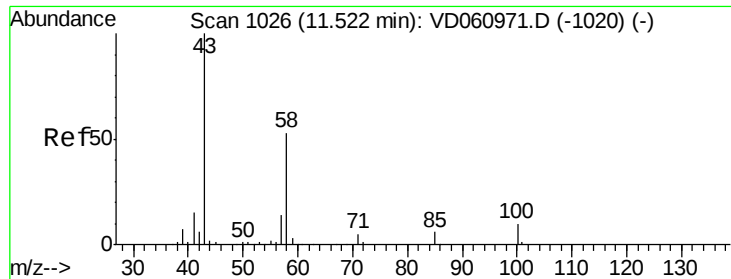
106 0.0 22.8 34.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

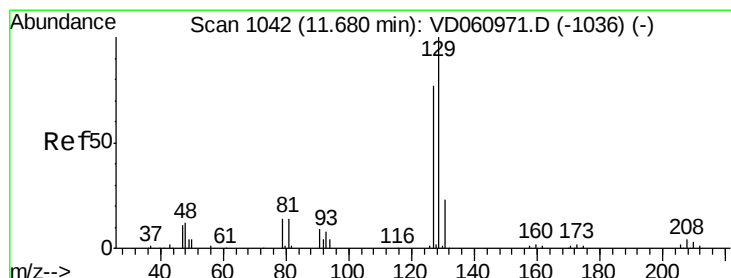
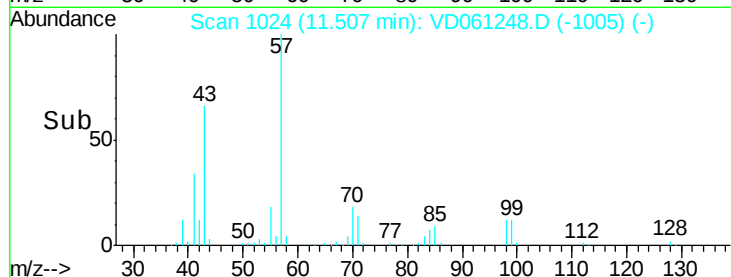
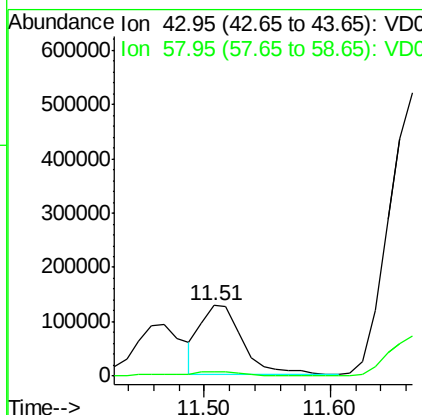
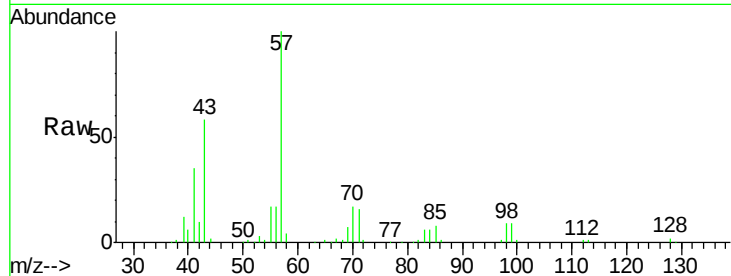




#59
2-Hexanone
Concen: 240.217 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

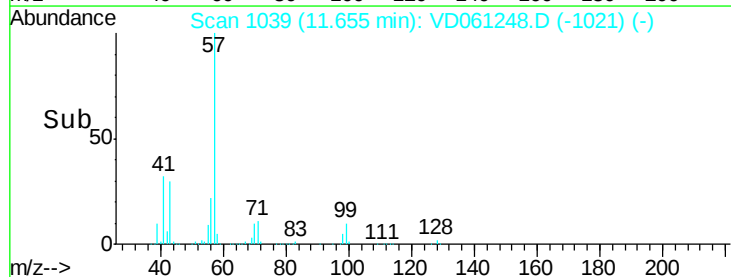
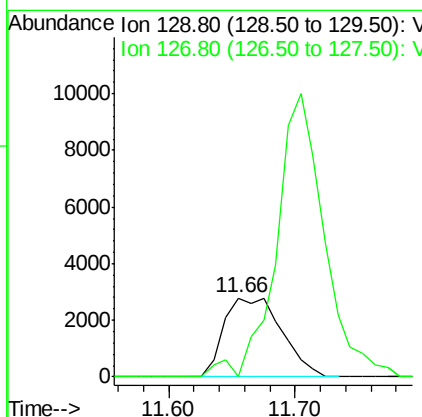
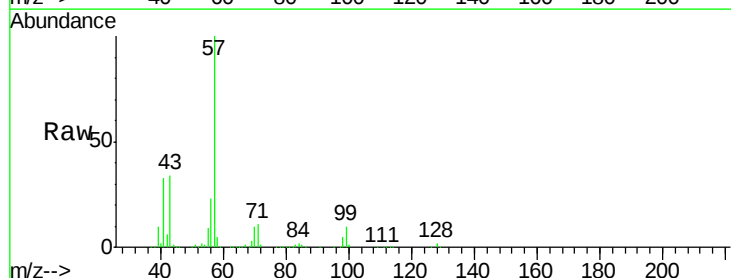
Instrument :
MSVOA_D
ClientSampleID :

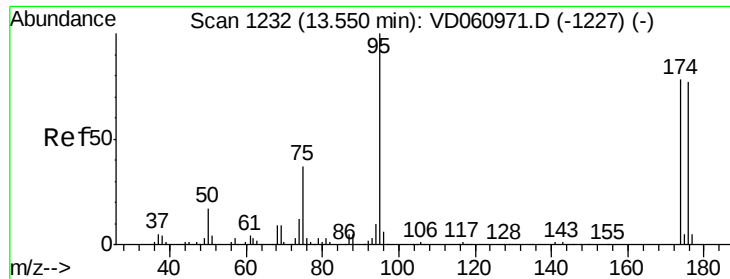
Tot Ion: 43 Resp: 294760
Ion Ratio Lower Upper
43 100
58 7.1 26.5 79.5#



#60
Dibromochloromethane
Concen: 2.765 ug/l
RT: 11.66 min Scan# 1039
Delta R.T. -0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion:129 Resp: 8872
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

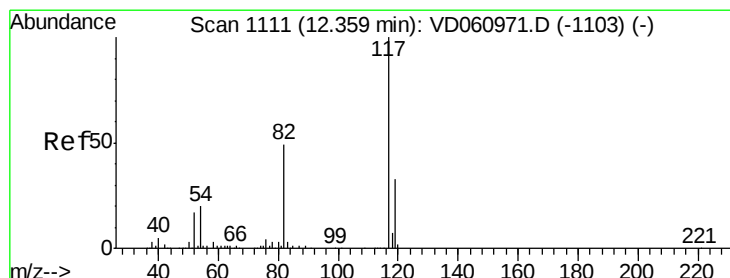
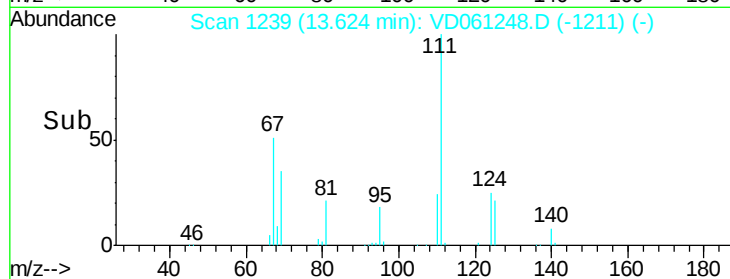
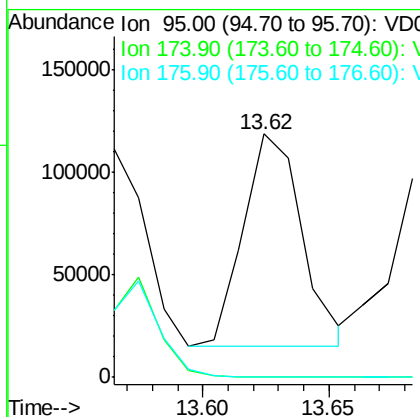
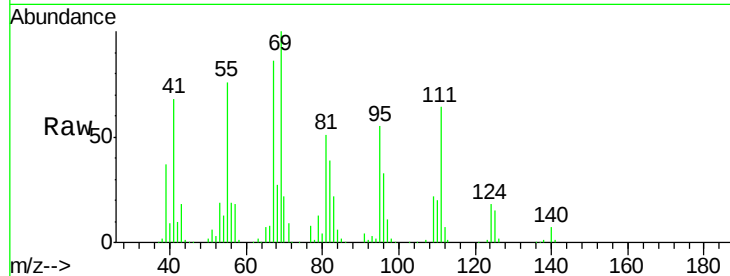




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.62 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

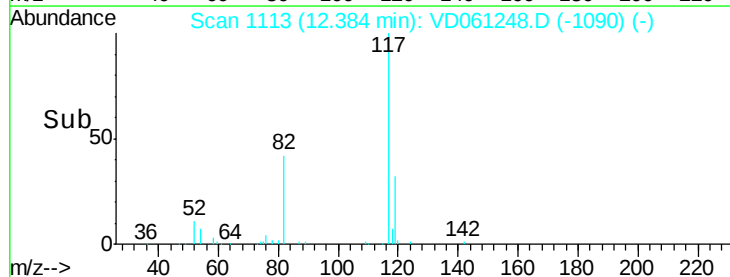
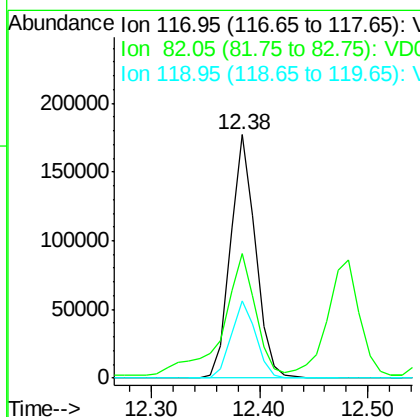
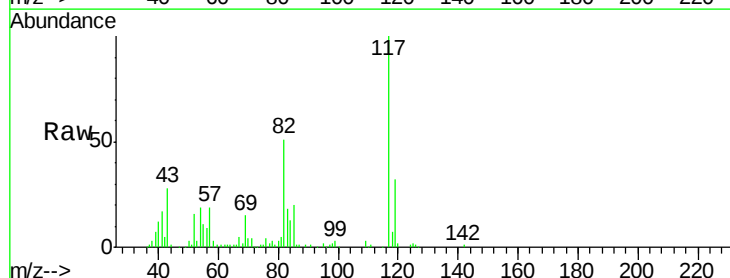
Instrument :
MSVOA_D
ClientSampled :

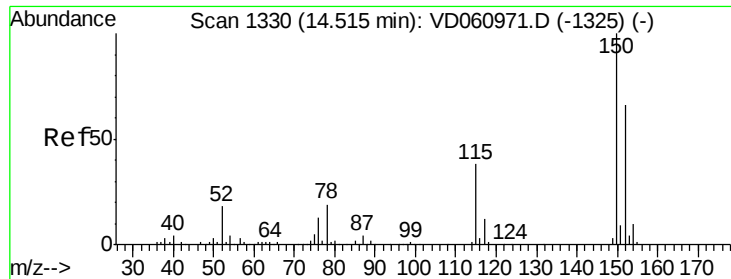
Tot Ion: 95 Resp: 167839
Ion Ratio Lower Upper
95 100
174 0.0 0.0 155.6
176 0.0 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 117 Resp: 285182
Ion Ratio Lower Upper
117 100
82 51.3 38.9 58.3
119 31.6 26.6 39.8



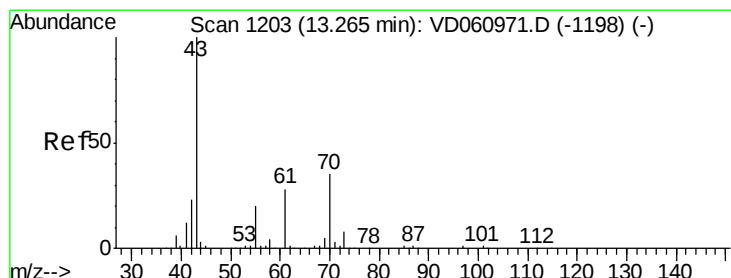
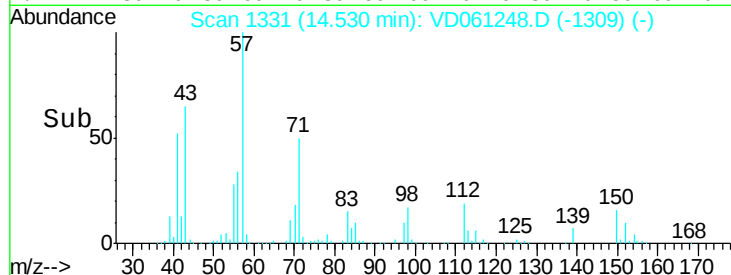
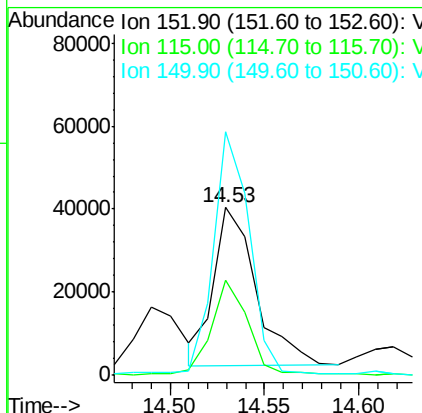
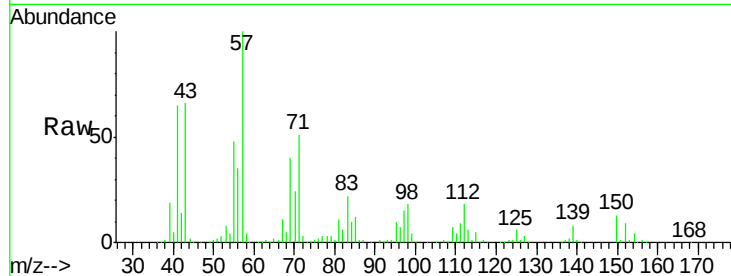


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

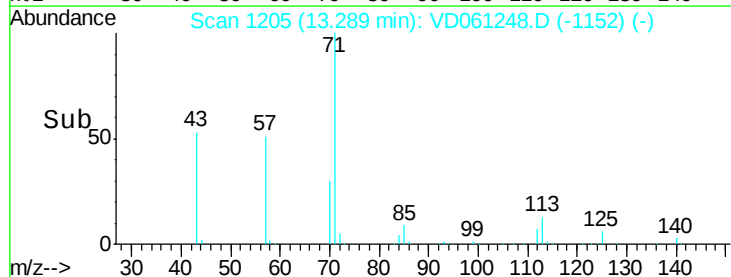
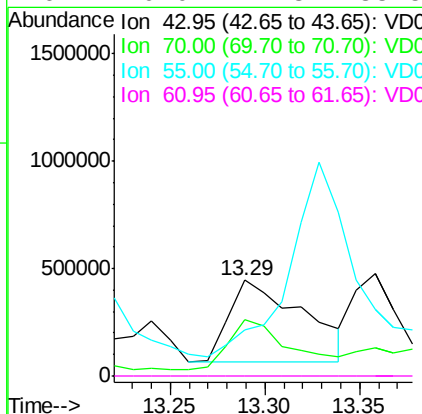
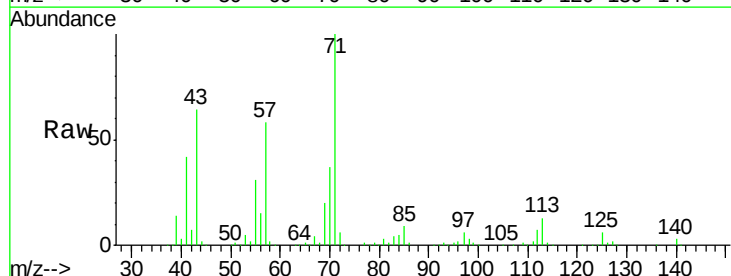
Tot Ion:152 Resp: 59083
Ion Ratio Lower Upper
152 100
115 56.7 28.6 85.9
150 145.0 0.0 310.6

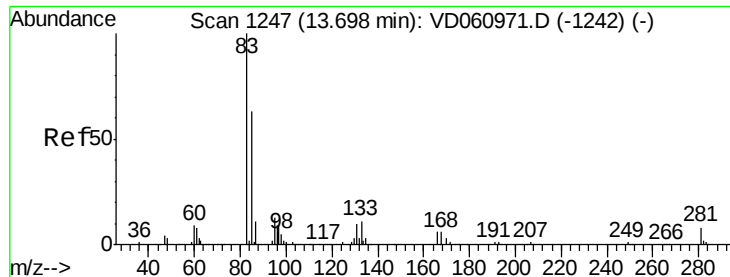


#74

N-ethyl acetate
Concen: 853.333 ug/l
RT: 13.29 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 43 Resp: 1023104
Ion Ratio Lower Upper
43 100
70 58.4 27.7 41.5#
55 48.5 16.2 24.2#
61 0.0 22.3 33.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 445.866 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

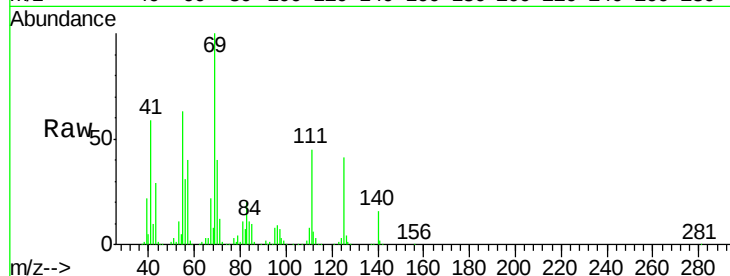
Tot Ion: 83 Resp: 370407

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

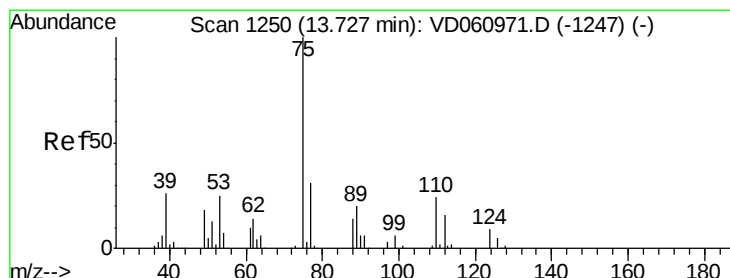
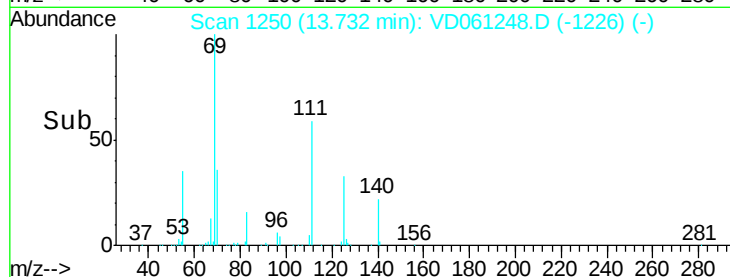
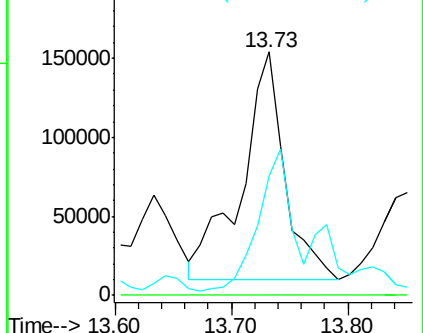
85 49.1 31.5 94.5



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: 35.846 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061248.D

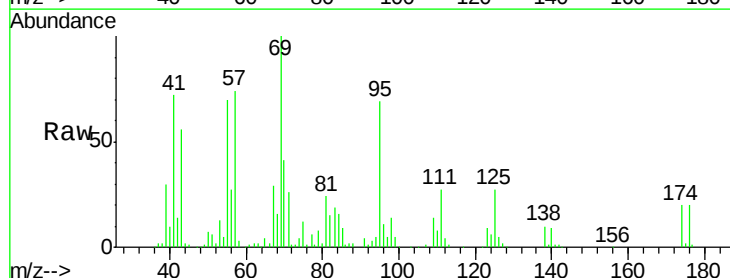
Acq: 21 Mar 2019 16:49

Tgt Ion: 75 Resp: 30470

Ion Ratio Lower Upper

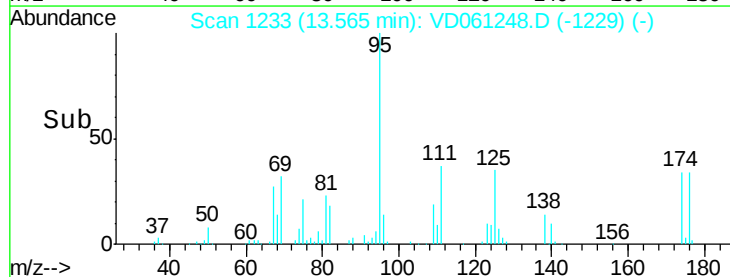
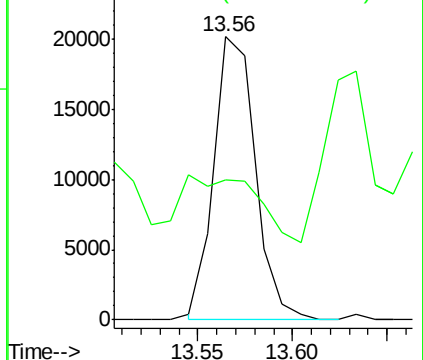
75 100

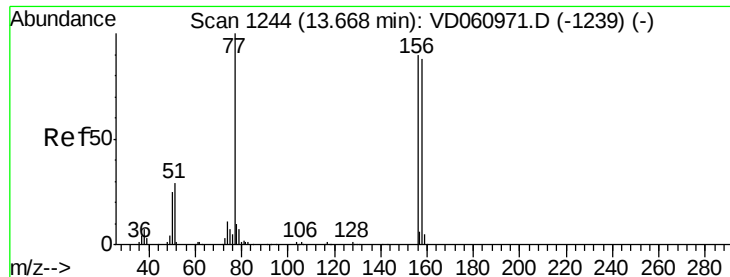
77 49.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 2.657 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.07 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

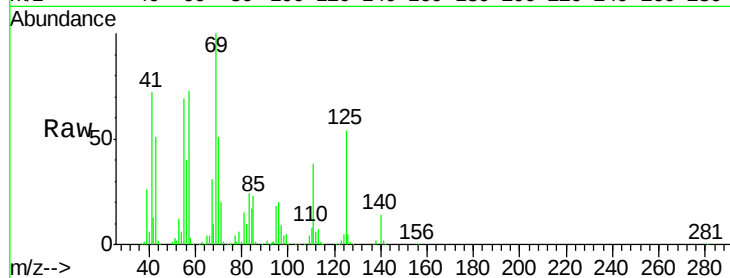
Tot Ion:156 Resp: 2888

Ion Ratio Lower Upper

156 100

77 990.2 55.5 166.7#

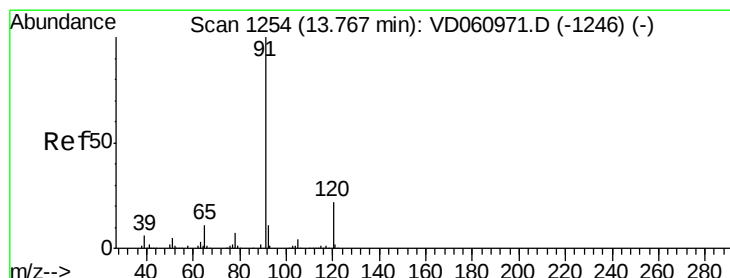
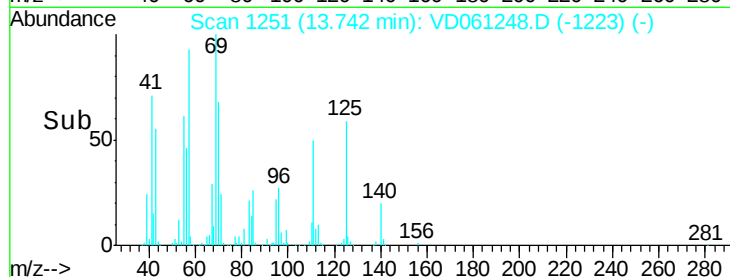
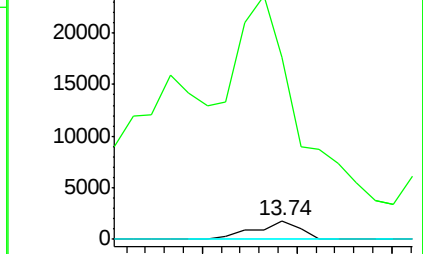
158 0.0 49.0 147.0#



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: 6.463 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.03 min

Lab File: VD061248.D

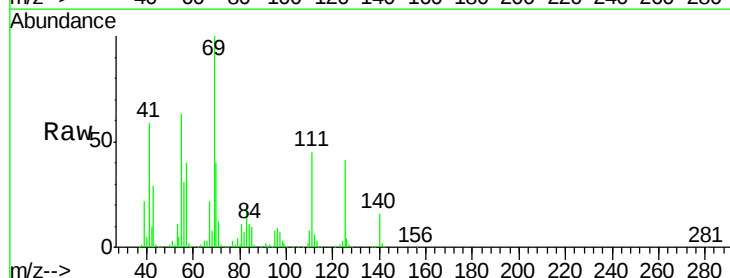
Acq: 21 Mar 2019 16:49

Tgt Ion: 91 Resp: 32219

Ion Ratio Lower Upper

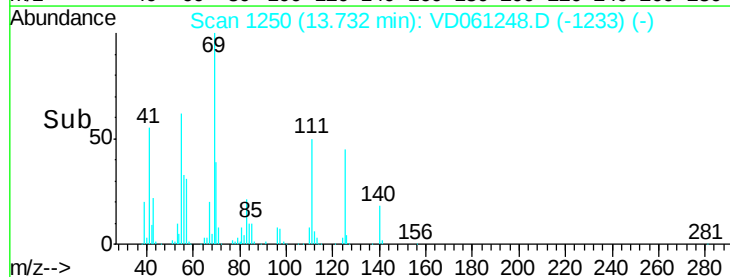
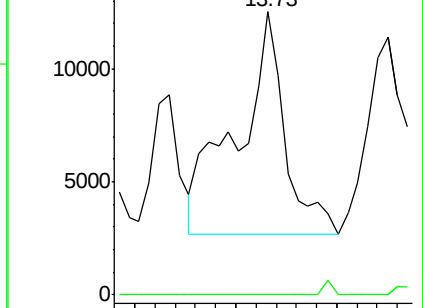
91 100

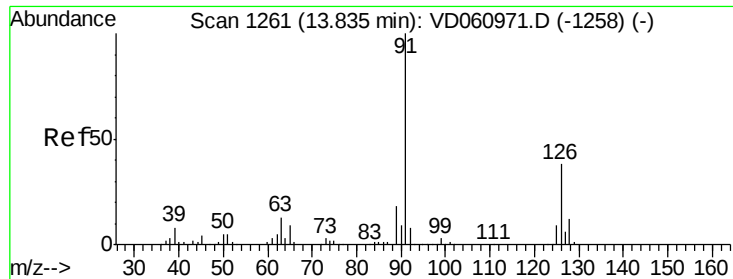
120 0.0 10.8 32.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

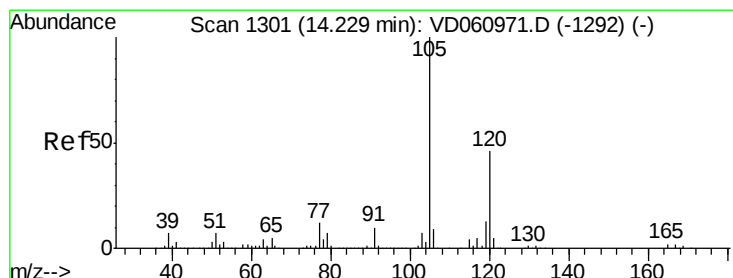
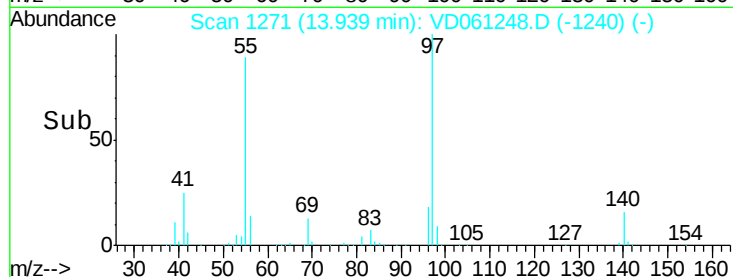
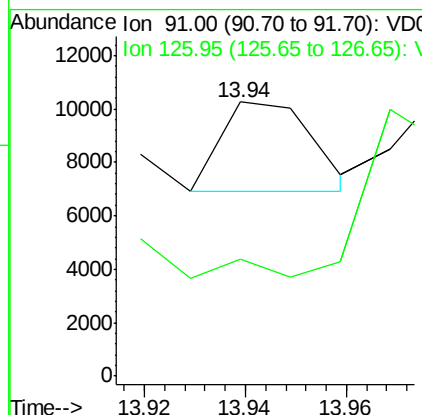
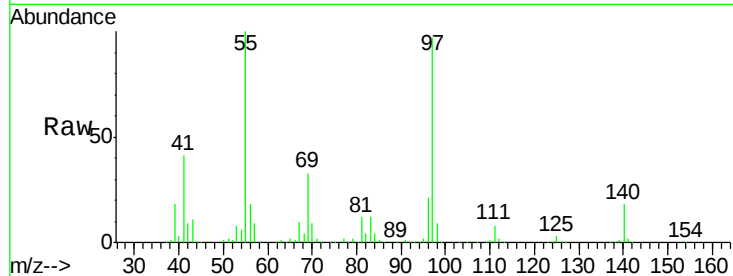




#79
2-Chlorotoluene
Concen: 1.516 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.10 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

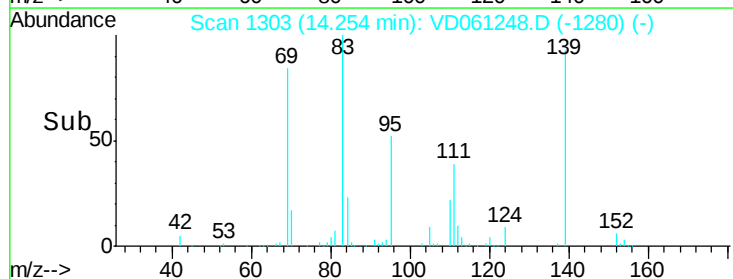
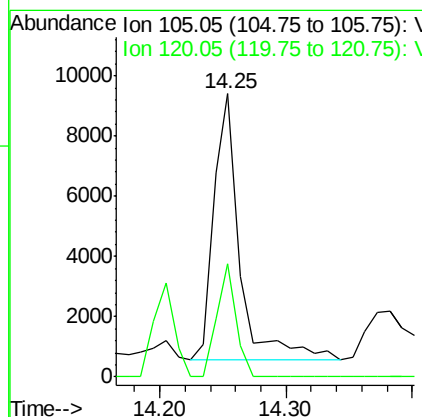
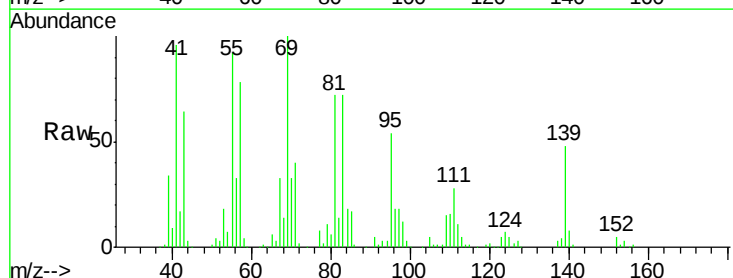
Instrument :
MSVOA_D
ClientSampled :

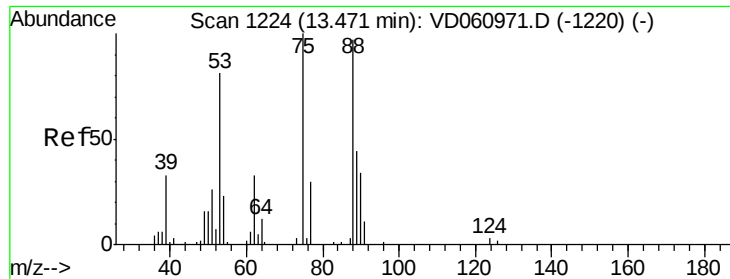
Tot Ion: 91 Resp: 4161
Ion Ratio Lower Upper
91 100
126 42.6 18.6 55.6



#80
1,3,5-Trimethylbenzene
Concen: 3.940 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 105 Resp: 12735
Ion Ratio Lower Upper
105 100
120 40.2 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 122.585 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

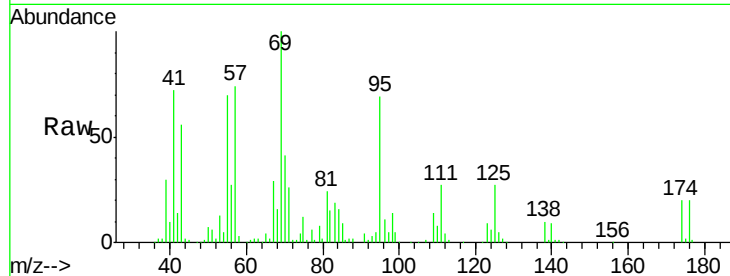
Tot Ion: 75 Resp: 30720

Ion Ratio Lower Upper

75 100

53 105.7 64.4 96.6#

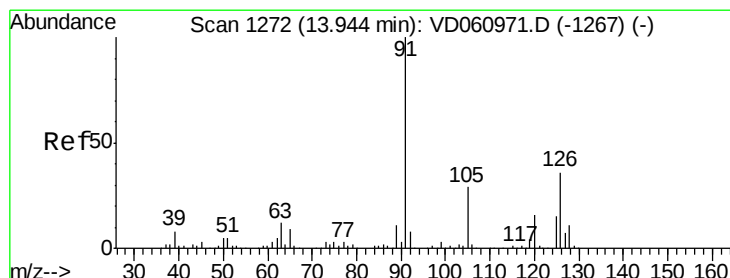
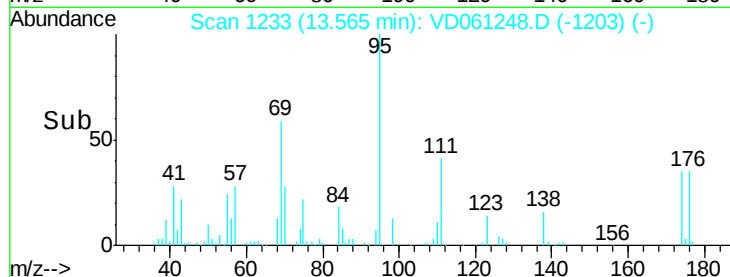
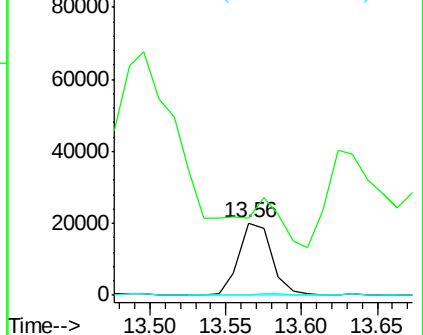
89 0.0 34.8 52.2#



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: 3.152 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061248.D

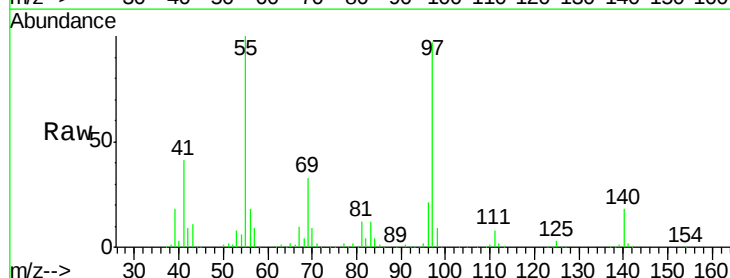
Acq: 21 Mar 2019 16:49

Tgt Ion: 91 Resp: 10227

Ion Ratio Lower Upper

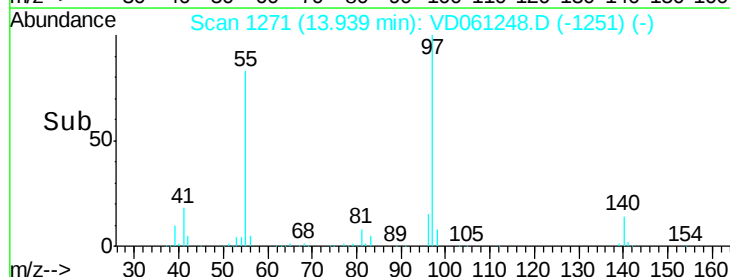
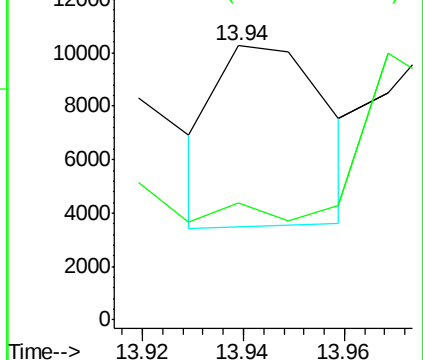
91 100

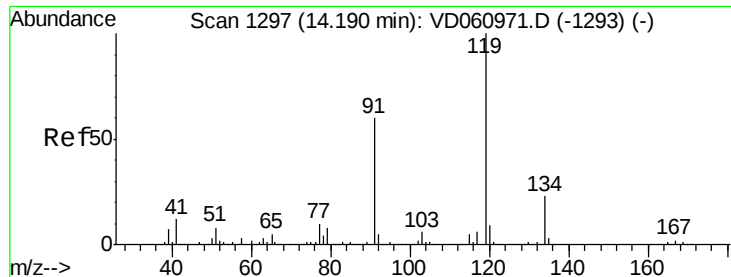
126 42.6 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 10.555 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

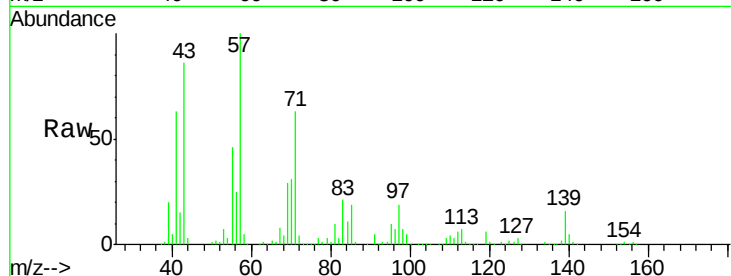
Tot Ion:119 Resp: 37339

Ion Ratio Lower Upper

119 100

91 81.9 30.1 90.3

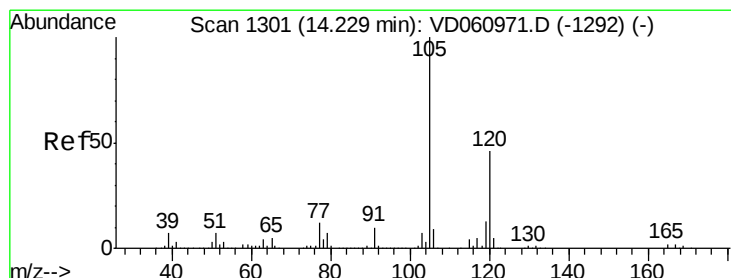
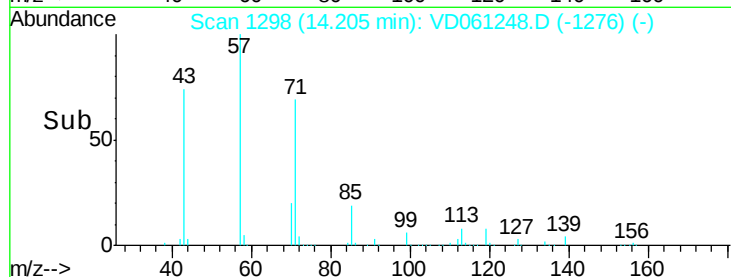
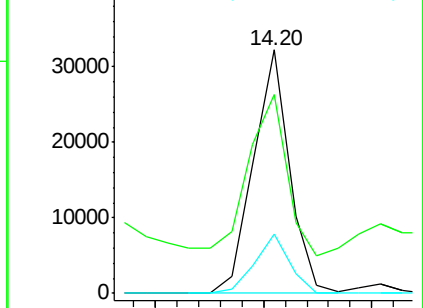
134 24.5 11.6 34.7



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: 3.940 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061248.D

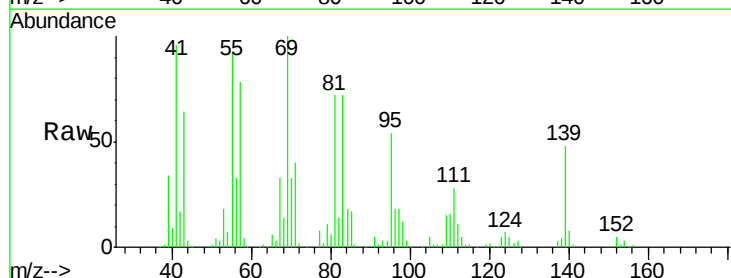
Acq: 21 Mar 2019 16:49

Tgt Ion:105 Resp: 12735

Ion Ratio Lower Upper

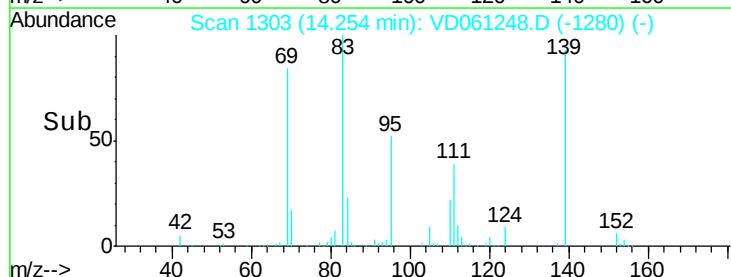
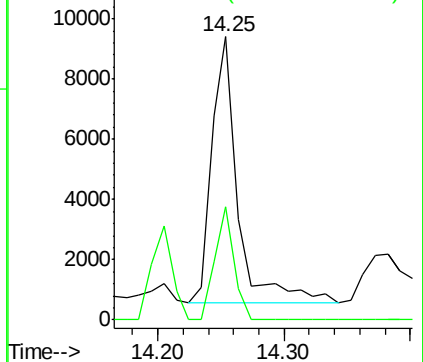
105 100

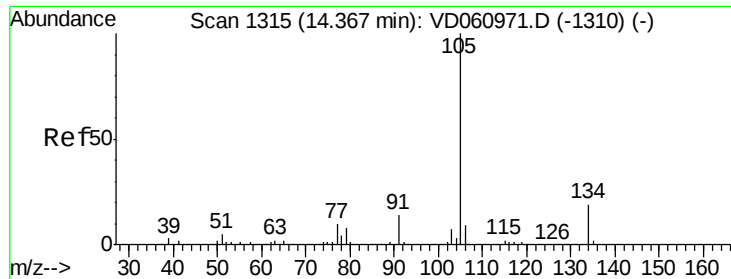
120 40.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 1.149 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

Instrument :

MSVOA_D

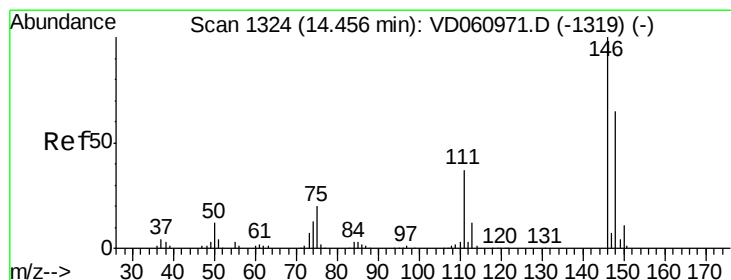
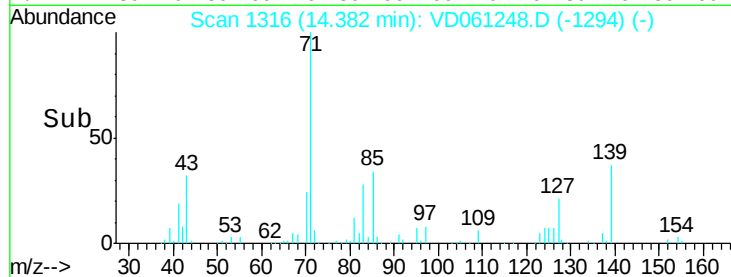
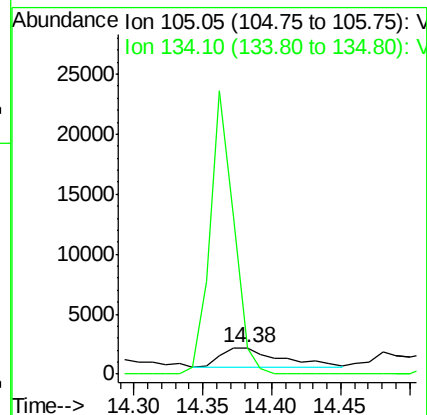
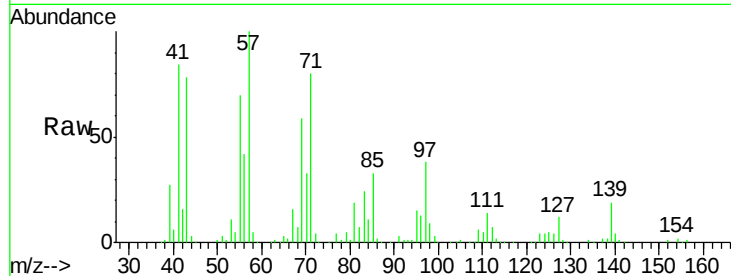
ClientSampleId :

Tot Ion:105 Resp: 4963

Ion Ratio Lower Upper

105 100

134 99.7 9.4 28.2#



#87

1,3-Dichlorobenzene

Concen: 1.032 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VD061248.D

Acq: 21 Mar 2019 16:49

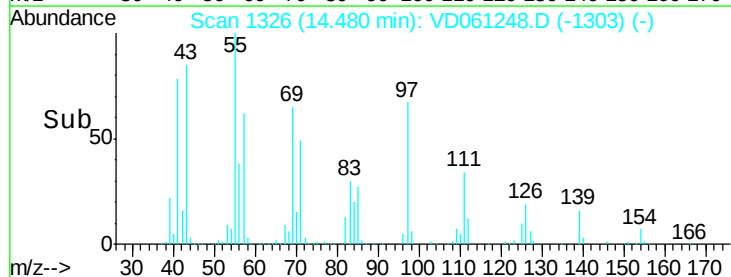
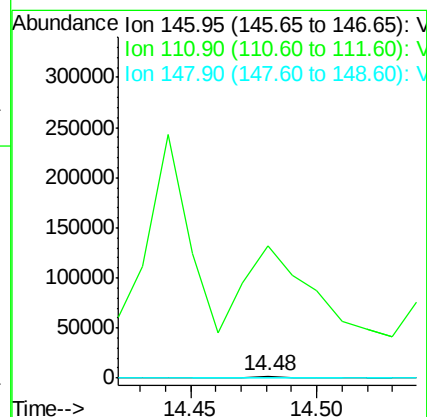
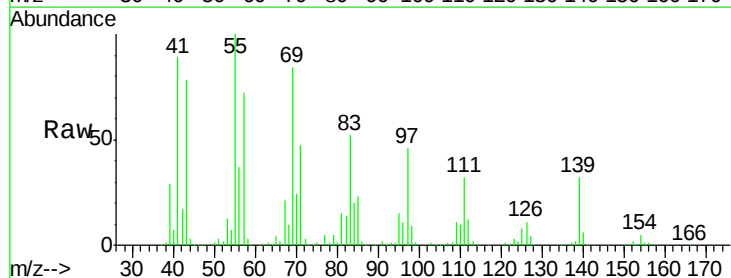
Tgt Ion:146 Resp: 2003

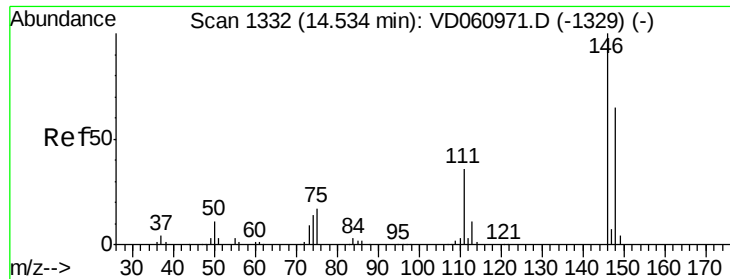
Ion Ratio Lower Upper

146 100

111 7228.5 18.4 55.4#

148 0.0 32.5 97.4#

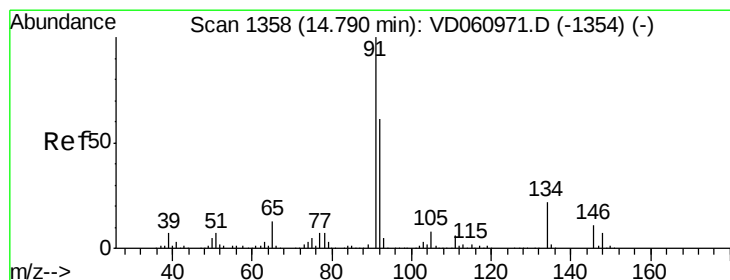
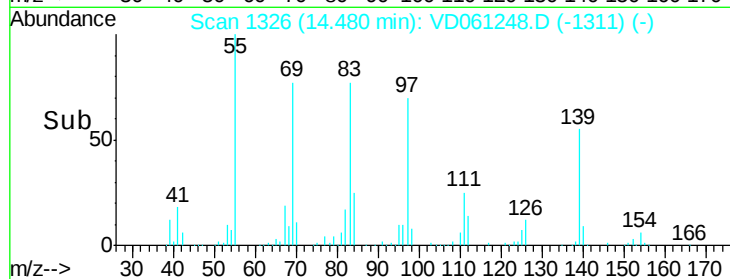
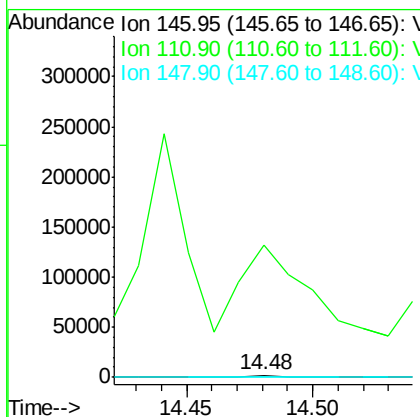
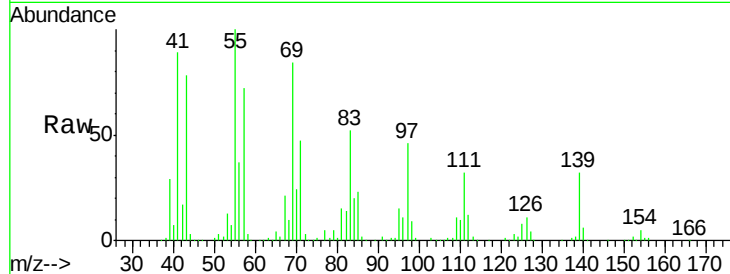




#88
 1,4-Dichlorobenzene
 Concen: 1.050 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.05 min
 Lab File: VD061248.D
 Acq: 21 Mar 2019 16:49

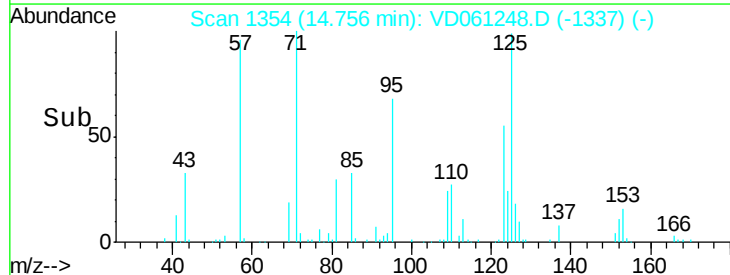
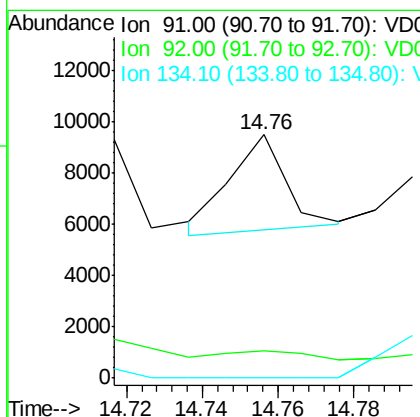
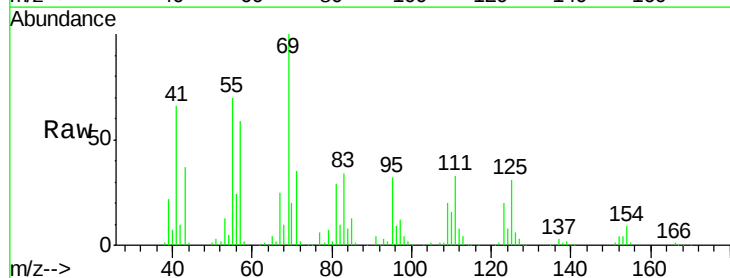
Instrument :
 MSVOA_D
 ClientSampleId :

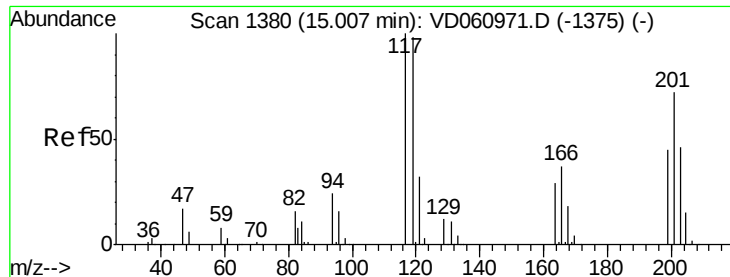
Tot Ion:146 Resp: 2003
 Ion Ratio Lower Upper
 146 100
 111 7228.5 18.4 55.2#
 148 0.0 32.5 97.5#



#89
 n-Butylbenzene
 Concen: 1.113 ug/l
 RT: 14.76 min Scan# 1354
 Delta R.T. -0.03 min
 Lab File: VD061248.D
 Acq: 21 Mar 2019 16:49

Tgt Ion: 91 Resp: 3772
 Ion Ratio Lower Upper
 91 100
 92 11.3 30.6 91.8#
 134 0.0 11.0 33.0#

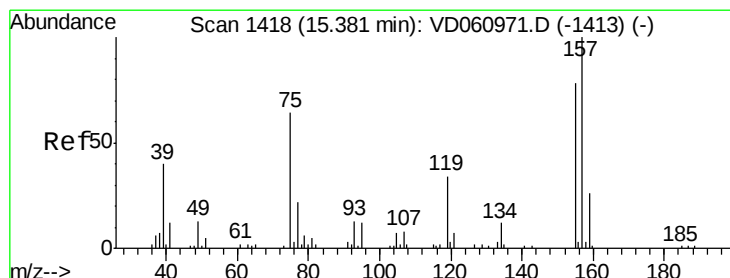
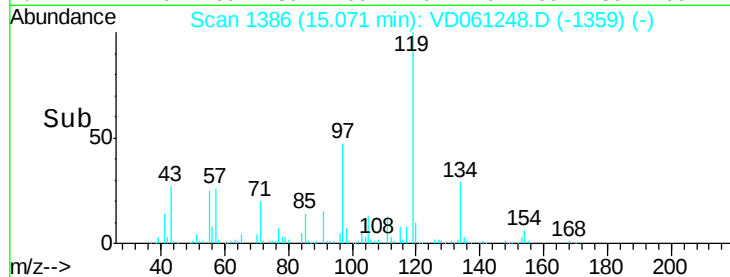
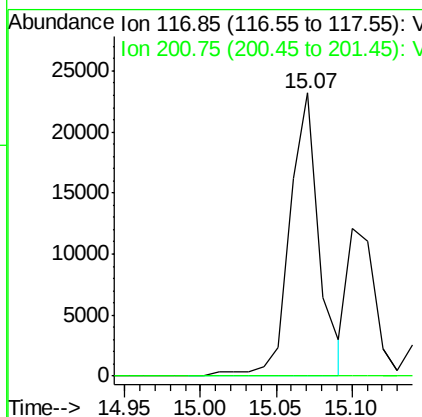
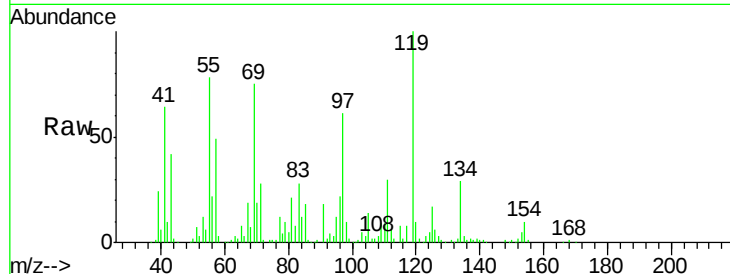




#90
Hexachloroethane
Concen: 31.262 ug/l
RT: 15.07 min Scan# 1386
Delta R.T. 0.06 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 31162
Ion Ratio Lower Upper
117 100
201 0.0 36.2 108.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 23.164 ug/l
RT: 15.36 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VD061248.D
Acq: 21 Mar 2019 16:49

Tgt Ion: 75 Resp: 2319
Ion Ratio Lower Upper
75 100
155 81.4 61.2 183.5
157 0.0 78.3 234.8#

