

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061249.D
 Acq On : 21 Mar 2019 17:17
 Operator : VA/AP
 Sample : K2003-10
 Misc : 6.22g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:32:37 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	4052	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	8845	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	8056	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	2896	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	2119	62.83	ug/l	0.03
Spiked Amount			Recovery	=	125.66%	
35) Dibromofluoromethane	6.95	113	2648	40.34	ug/l	0.03
Spiked Amount			Recovery	=	80.68%	
50) Toluene-d8	10.43	98	7769	47.13	ug/l	0.03
Spiked Amount			Recovery	=	94.26%	
62) 4-Bromofluorobenzene	13.57	95	3609	56.43	ug/l	0.02
Spiked Amount			Recovery	=	112.86%	

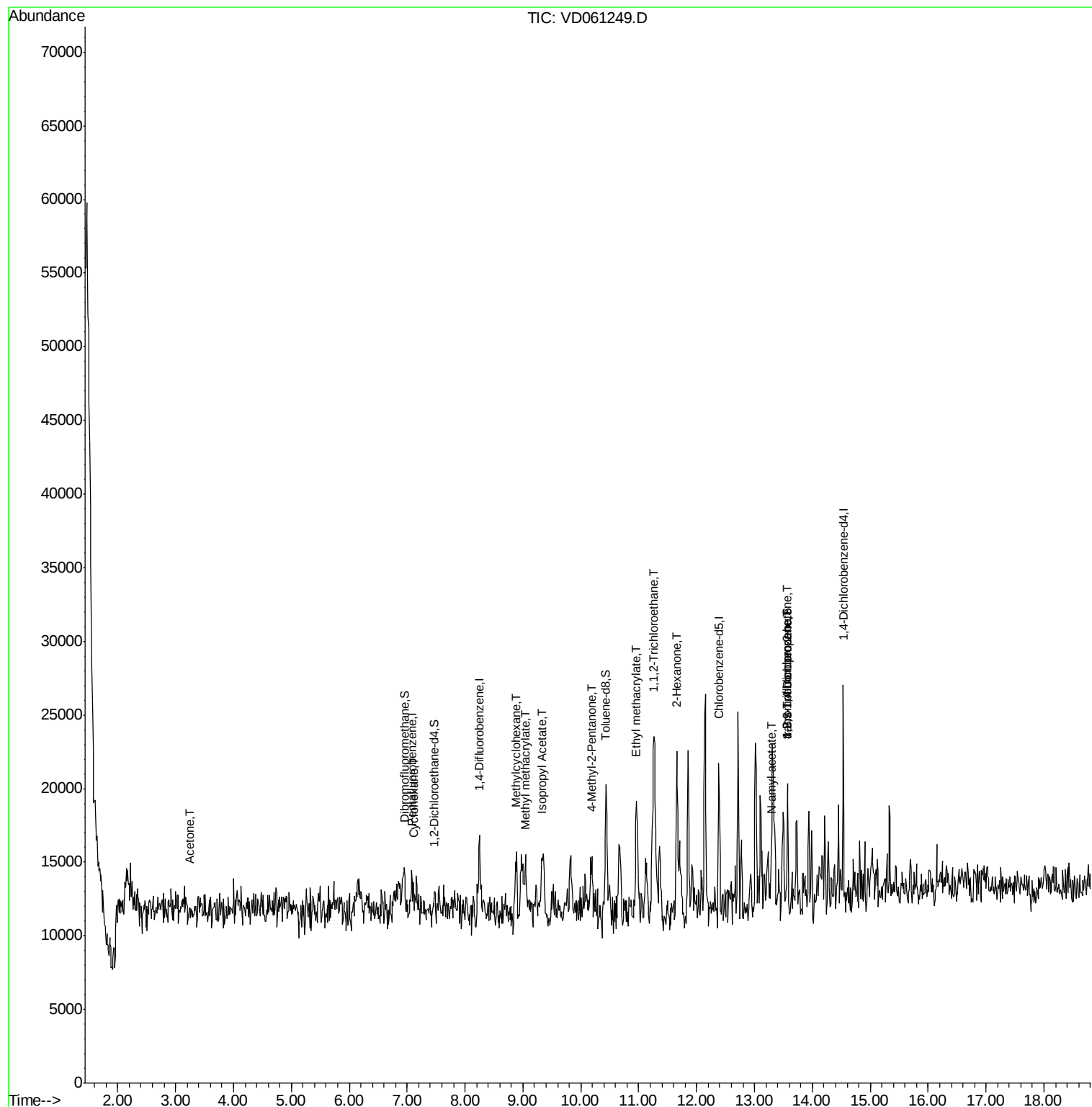
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	253	26.232	ug/l #	48
31) Cyclohexane	7.12	56	681	11.410	ug/l #	18
39) Methylcyclohexane	8.89	83	1083	13.699	ug/l #	50
43) Isopropyl Acetate	9.31	43	1306	26.355	ug/l #	43
48) Methyl methacrylate	9.03	41	184	6.595	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	3891	128.171	ug/l #	37
55) 1,1,2-Trichloroethane	11.27	97	233	5.906	ug/l #	15
56) Ethyl methacrylate	10.96	69	1430	34.629	ug/l #	36
59) 2-Hexanone	11.66	43	3310	149.054	ug/l #	58
74) N-amyl acetate	13.28	43	880	14.974	ug/l #	52
76) 1,2,3-Trichloropropane	13.57	75	938	22.513	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	938	76.363	ug/l #	17

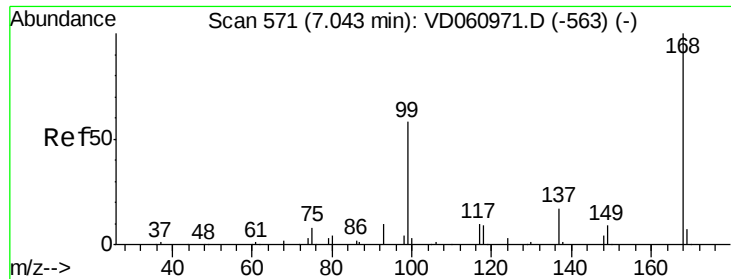
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032119\
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Acq On : 21 Mar 2019 17:17
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ALS Vial : 15 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Mar 22 04:32:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
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: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

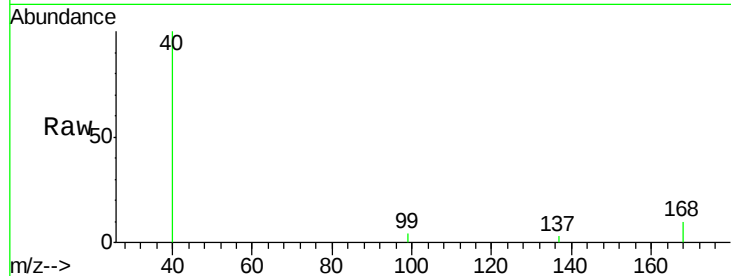
ClientSampleId :

Tot Ion:168 Resp: 4052

Ion Ratio Lower Upper

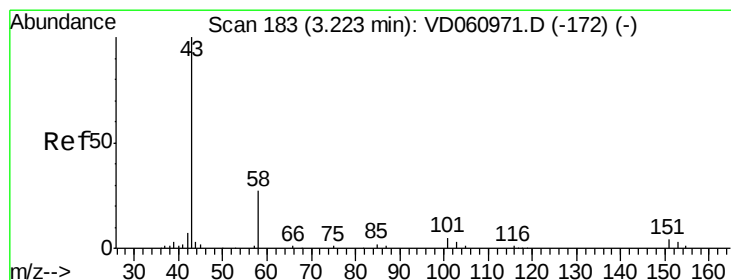
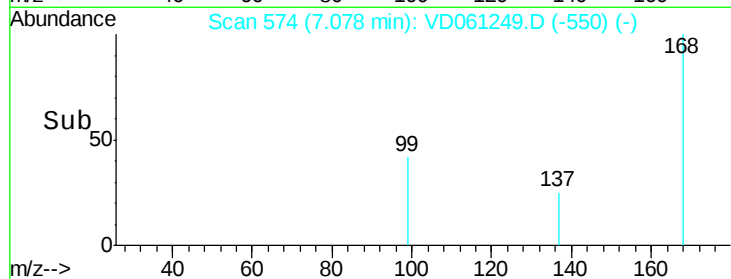
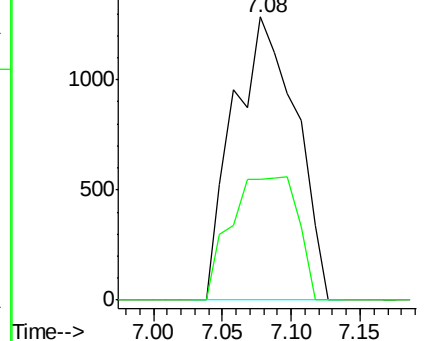
168 100

99 42.5 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: 26.232 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061249.D

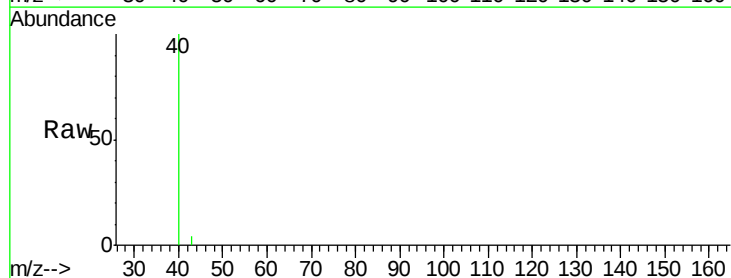
Acq: 21 Mar 2019 17:17

Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

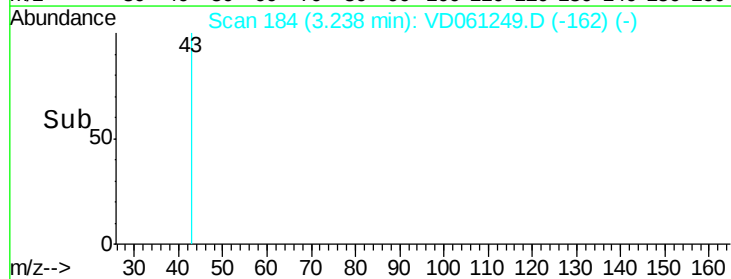
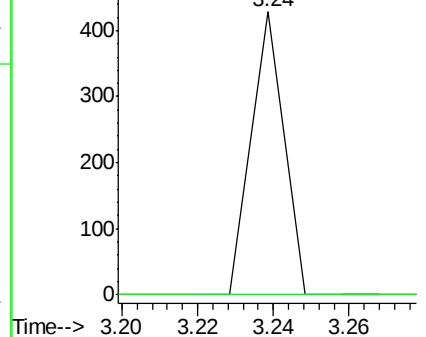
43 100

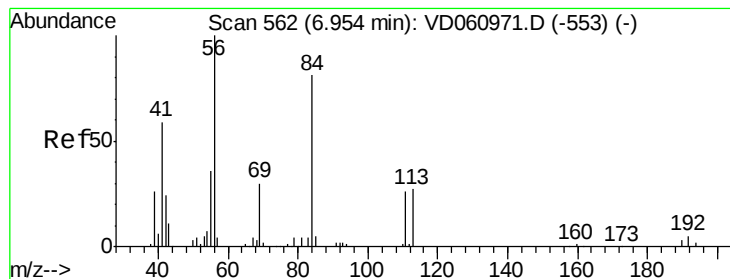
58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#31

Cvclohexane

Concen: 11.410 ug/l

RT: 7.12 min Scan# 578

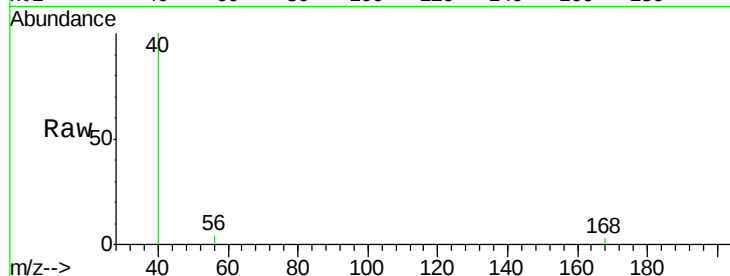
Delta R.T. 0.16 min

Lab File: VD061249.D

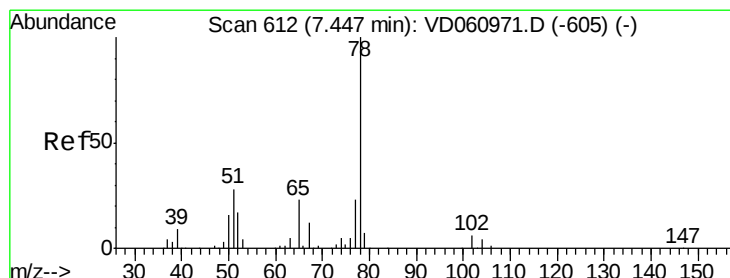
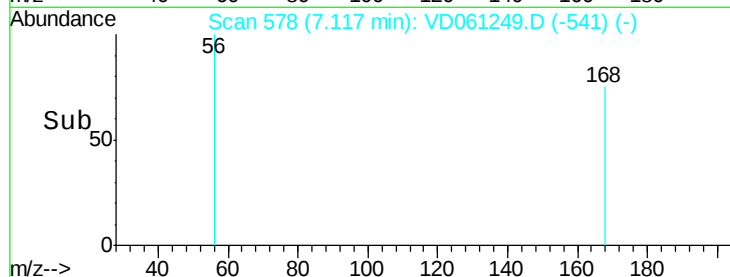
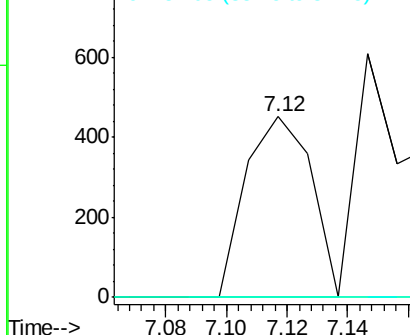
Acq: 21 Mar 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	56	Resp:	681
Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.0	36.0#
84	0.0	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

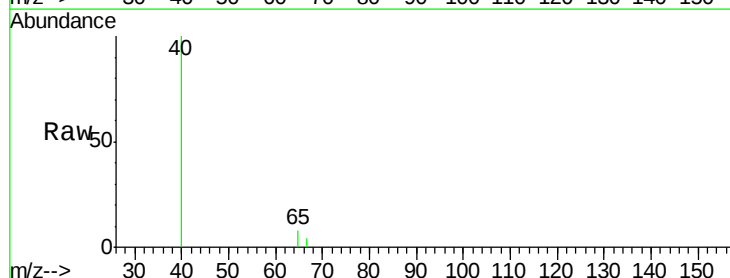
RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

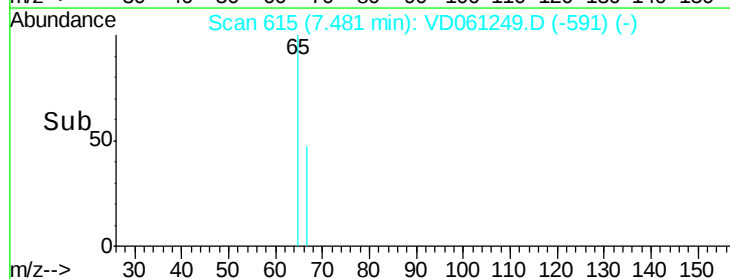
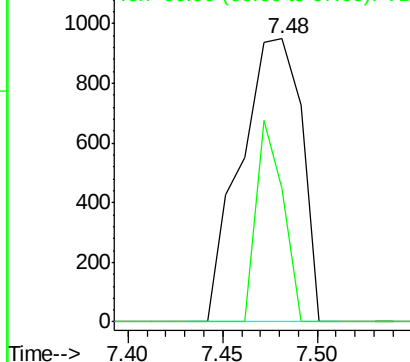
Lab File: VD061249.D

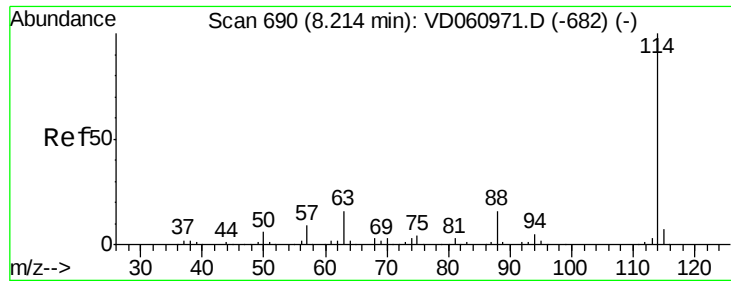
Acq: 21 Mar 2019 17:17

Tgt Ion:	65	Resp:	2119
Ion	Ratio	Lower	Upper
65	100		
67	47.4	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. 0.03 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

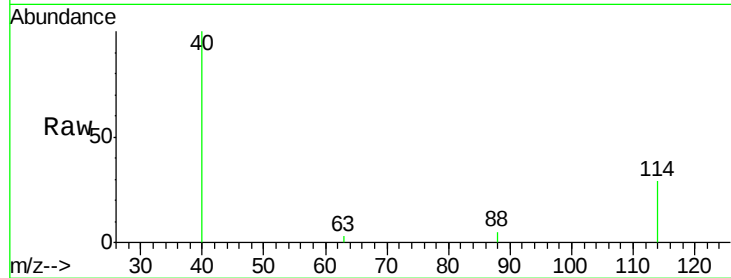
Tot Ion:114 Resp: 8845

Ion Ratio Lower Upper

114 100

63 10.1 0.0 31.4

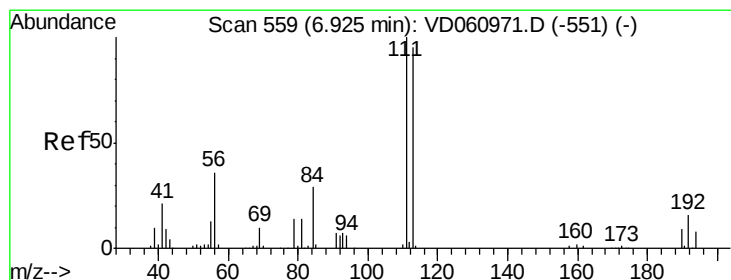
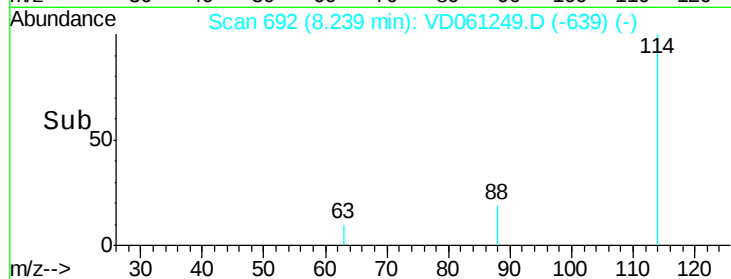
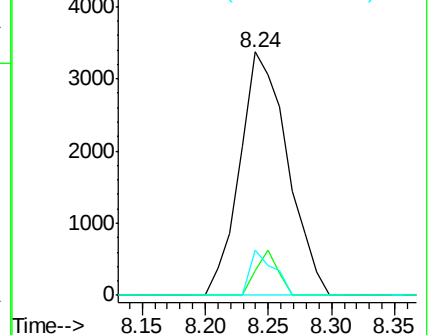
88 18.6 0.0 33.0



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. 0.03 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

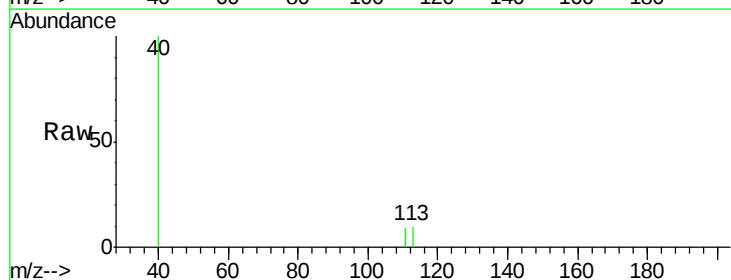
Tgt Ion:113 Resp: 2648

Ion Ratio Lower Upper

113 100

111 92.3 84.2 126.4

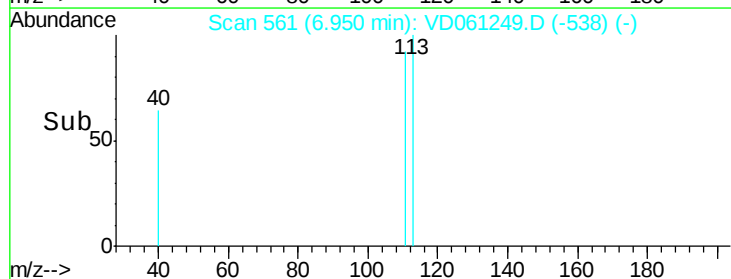
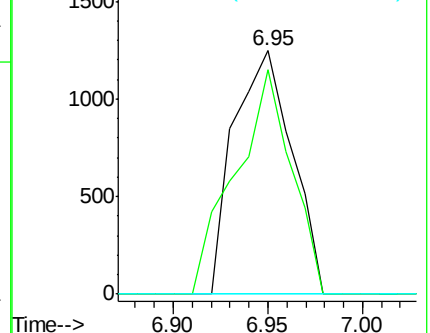
192 0.0 13.1 19.7#

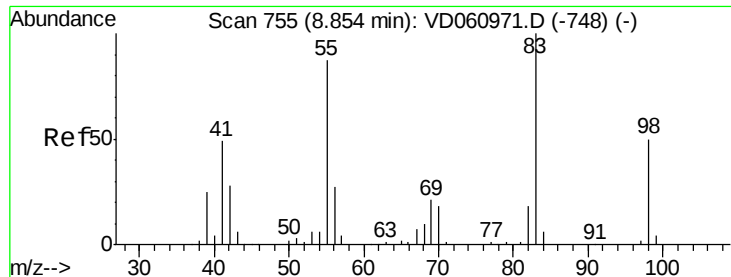


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

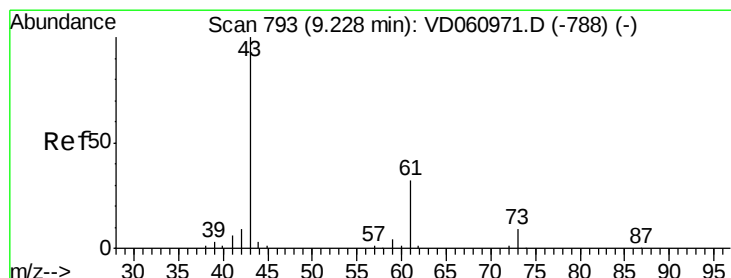
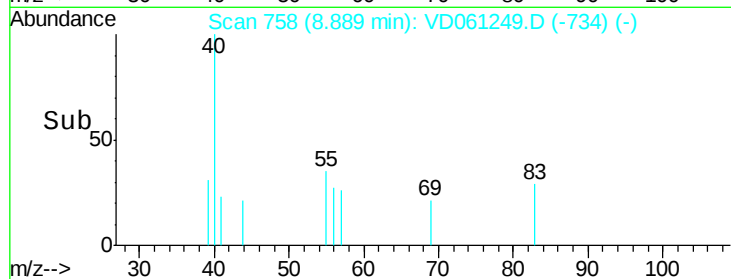
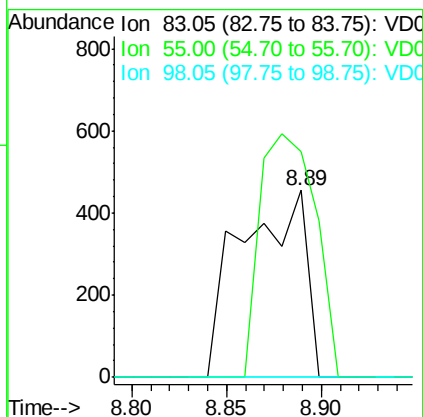
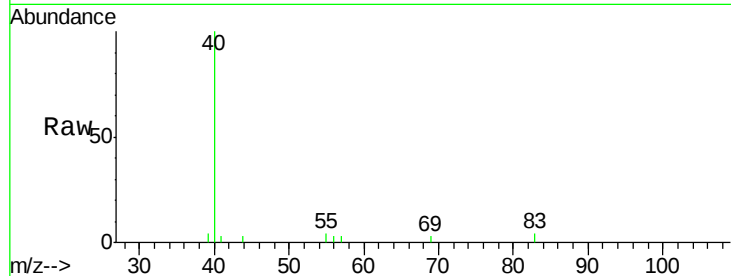




#39
Methylcyclohexane
Concen: 13.699 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061249.D
Acq: 21 Mar 2019 17:17

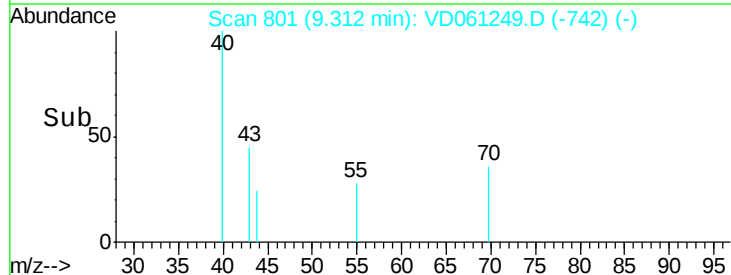
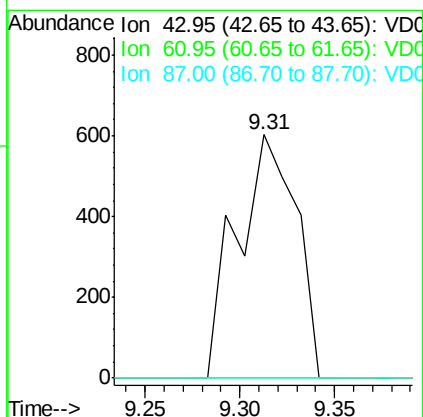
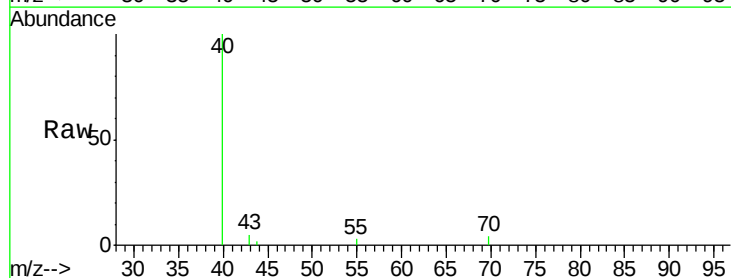
Instrument :
MSVOA_D
ClientSampleId :

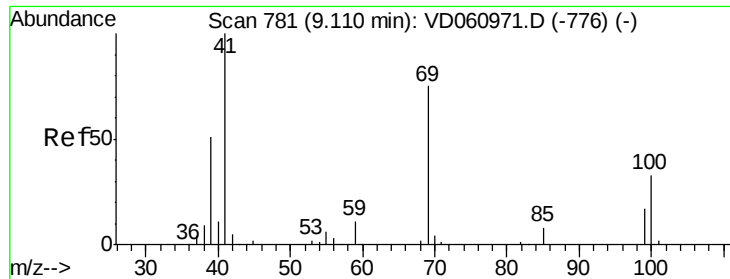
Tot Ion: 83 Resp: 1083
Ion Ratio Lower Upper
83 100
55 120.7 69.6 104.4#
98 0.0 40.0 60.0#



#43
Isopropyl Acetate
Concen: 26.355 ug/l
RT: 9.31 min Scan# 801
Delta R.T. 0.08 min
Lab File: VD061249.D
Acq: 21 Mar 2019 17:17

Tgt Ion: 43 Resp: 1306
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#





#48

Methyl methacrylate

Concen: 6.595 ug/l

RT: 9.03 min Scan# 772

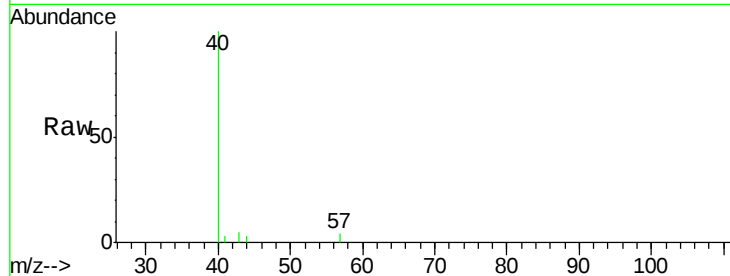
Delta R.T. -0.08 min

Lab File: VD061249.D

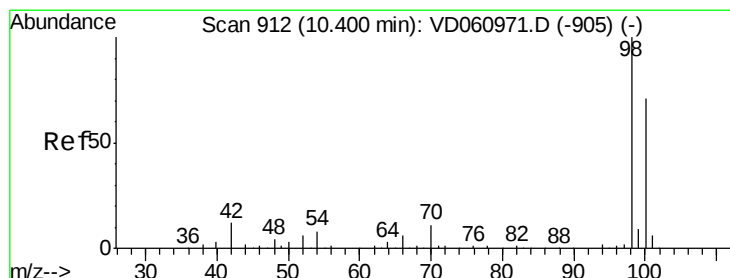
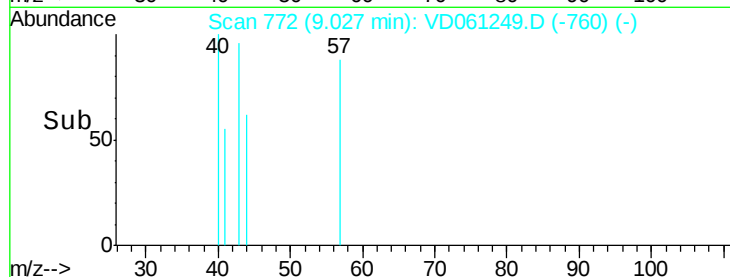
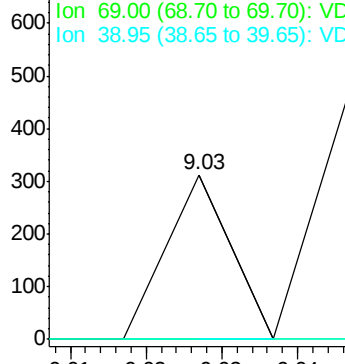
Acq: 21 Mar 2019 17:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 184
Ion Ratio Lower Upper
41 100
69 0.0 59.9 89.9#
39 0.0 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

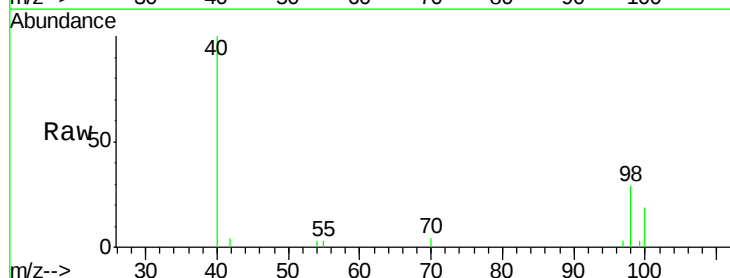
RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

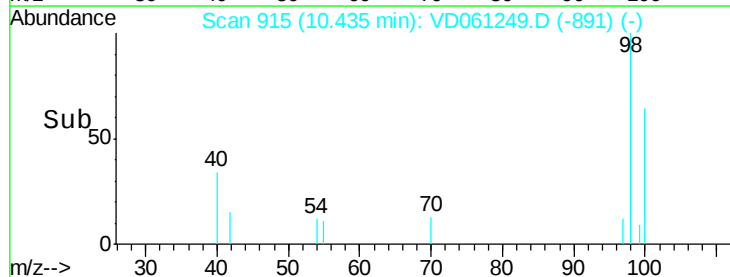
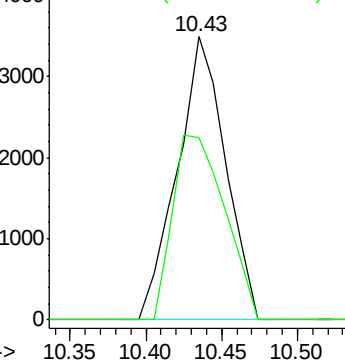
Lab File: VD061249.D

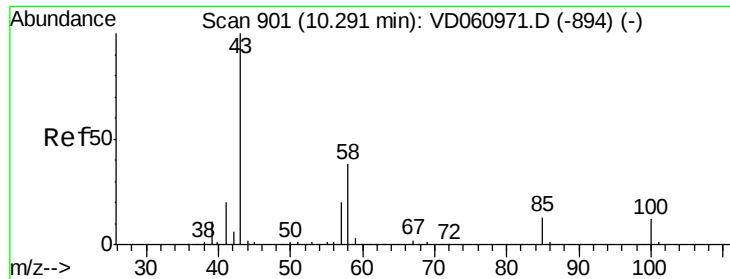
Acq: 21 Mar 2019 17:17

Tgt Ion: 98 Resp: 7769
Ion Ratio Lower Upper
98 100
100 64.4 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: 128.171 ug/l

RT: 10.19 min Scan# 890

Delta R.T. -0.10 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

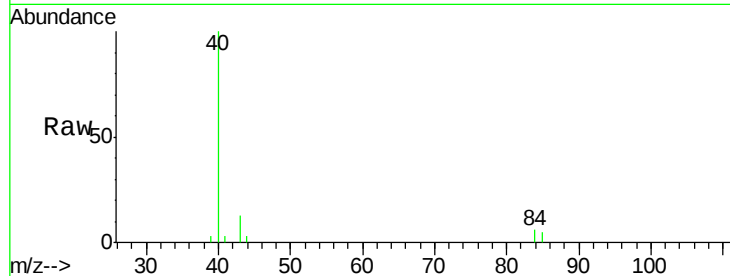
ClientSampleId :

Tot Ion: 43 Resp: 3891

Ion Ratio Lower Upper

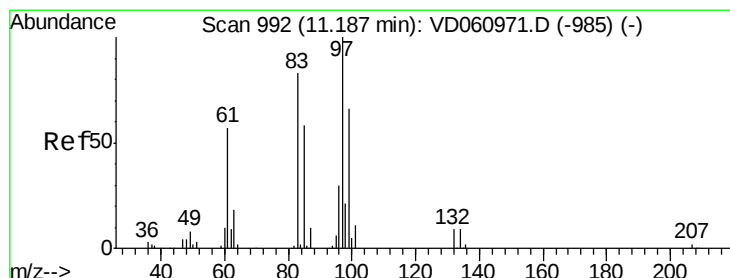
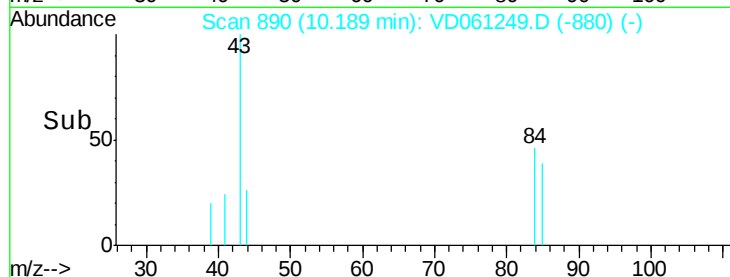
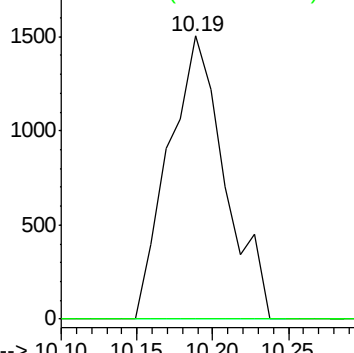
43 100

58 0.0 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: 5.906 ug/l

RT: 11.27 min Scan# 1000

Delta R.T. 0.08 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Tgt Ion: 97 Resp: 233

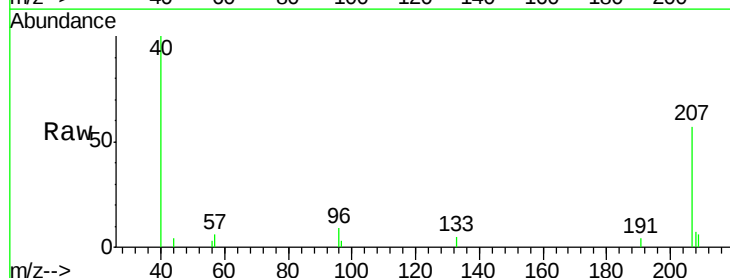
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 46.4 69.6#

99 0.0 52.4 78.6#

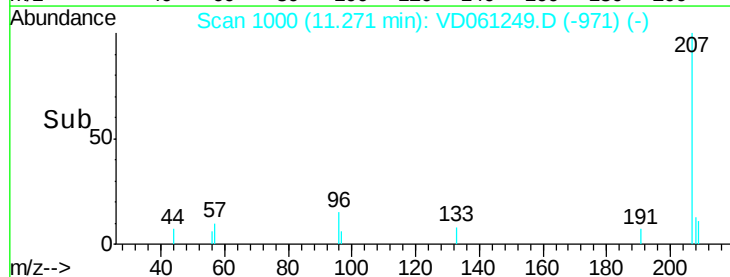
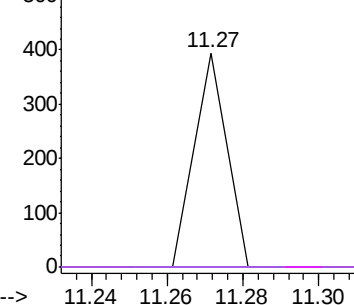


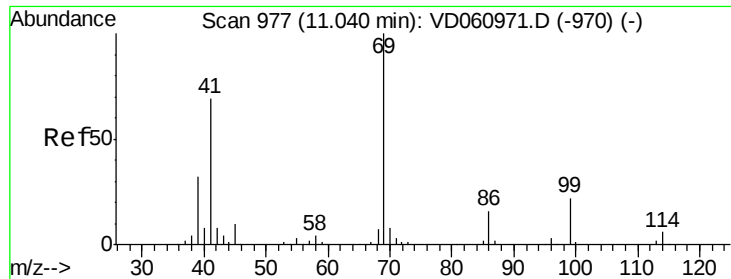
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 34.629 ug/l

RT: 10.96 min Scan# 968

Delta R.T. -0.08 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :

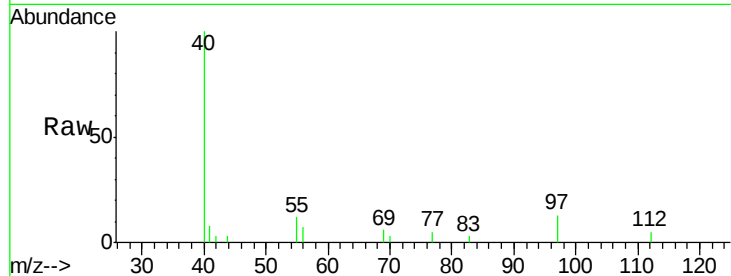
Tot Ion: 69 Resp: 1430

Ion Ratio Lower Upper

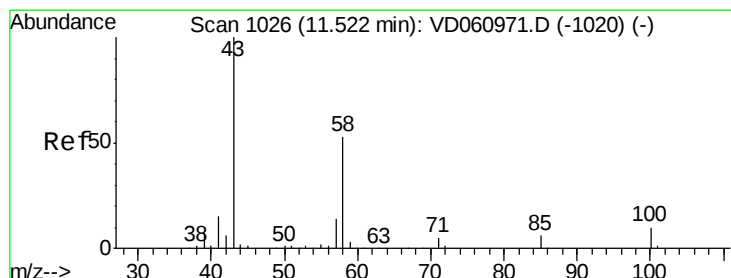
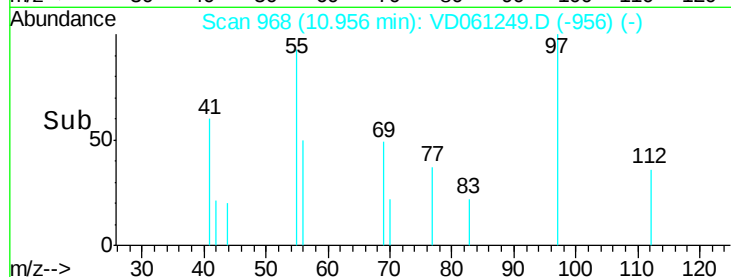
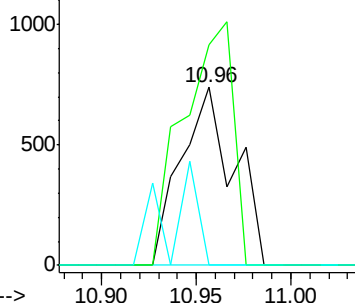
69 100

41 123.7 55.5 83.3#

39 0.0 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: 149.054 ug/l

RT: 11.66 min Scan# 1039

Delta R.T. 0.13 min

Lab File: VD061249.D

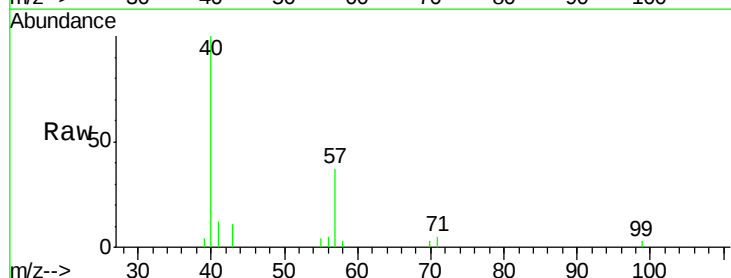
Acq: 21 Mar 2019 17:17

Tgt Ion: 43 Resp: 3310

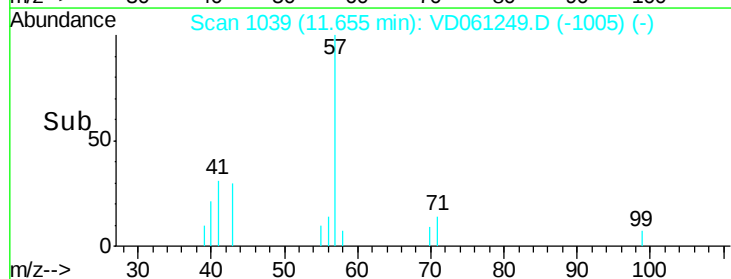
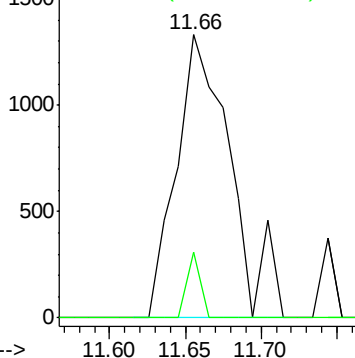
Ion Ratio Lower Upper

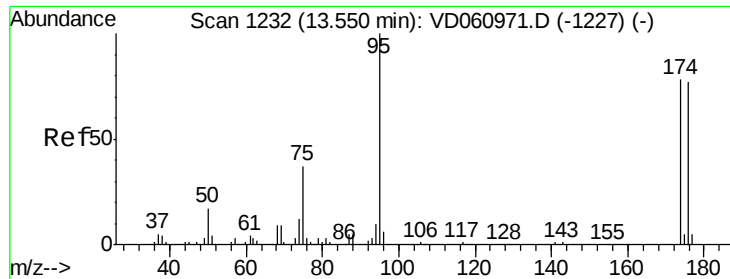
43 100

58 23.1 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: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

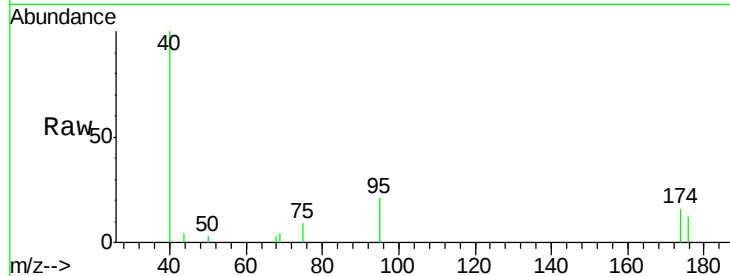
Tot Ion: 95 Resp: 3609

Ion Ratio Lower Upper

95 100

174 73.5 0.0 155.6

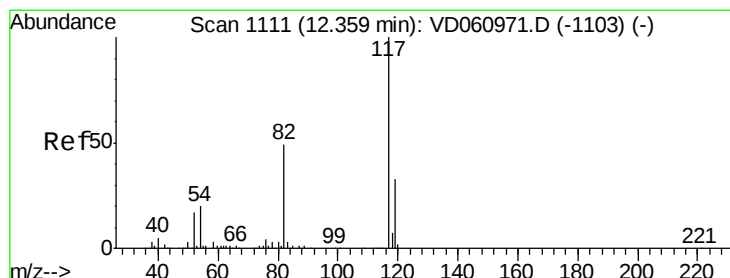
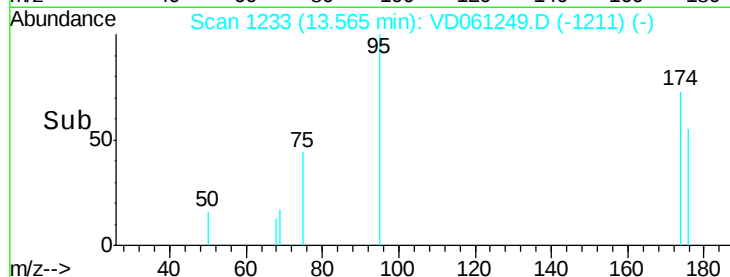
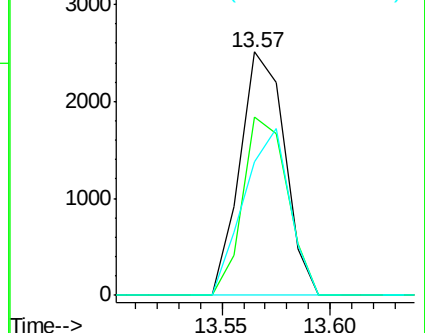
176 55.0 0.0 153.8



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

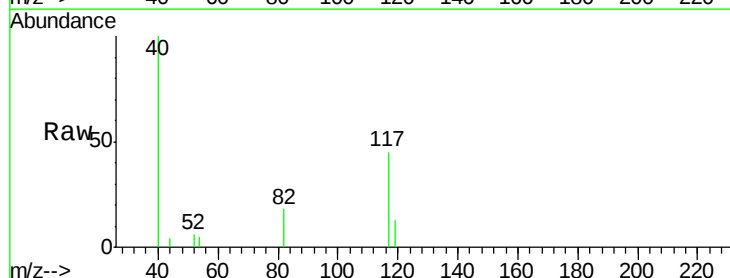
Tgt Ion: 117 Resp: 8056

Ion Ratio Lower Upper

117 100

82 40.6 38.9 58.3

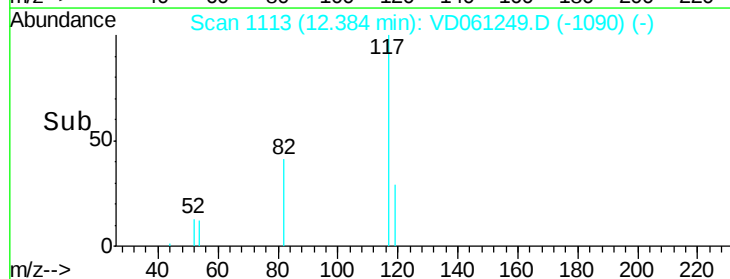
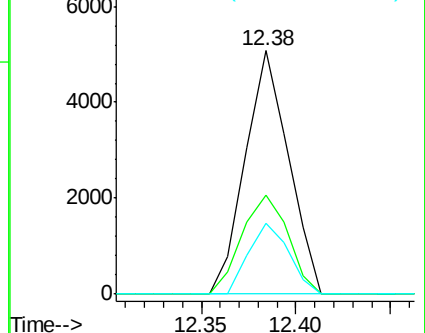
119 29.2 26.6 39.8

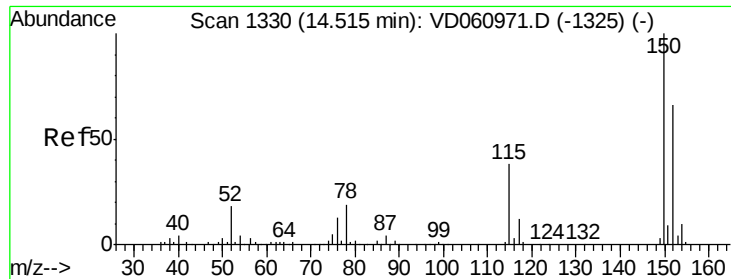


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

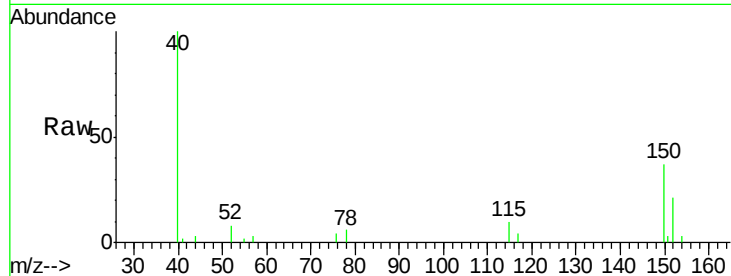
Tot Ion:152 Resp: 2896

Ion Ratio Lower Upper

152 100

115 48.5 28.6 85.9

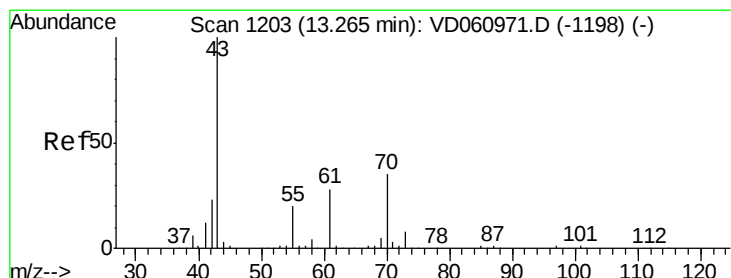
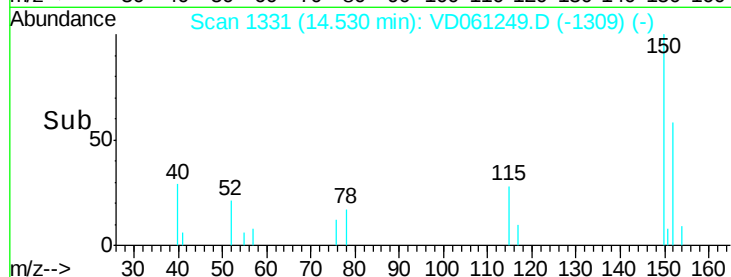
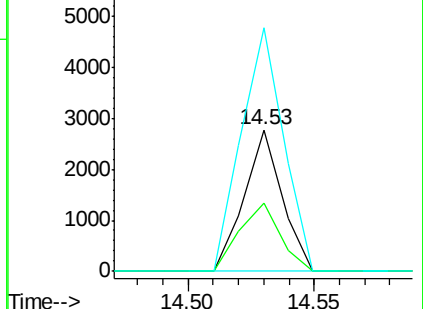
150 186.4 0.0 310.6



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: 14.974 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Tgt Ion: 43 Resp: 880

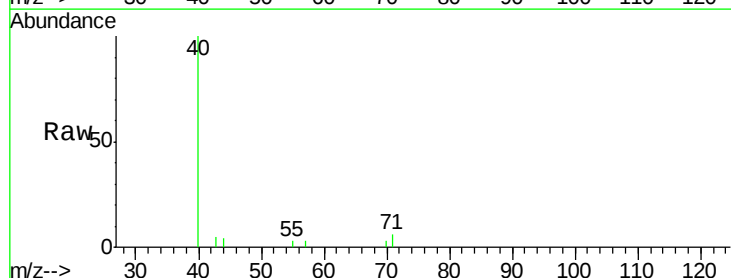
Ion Ratio Lower Upper

43 100

70 54.9 27.7 41.5#

55 49.0 16.2 24.2#

61 0.0 22.3 33.5#

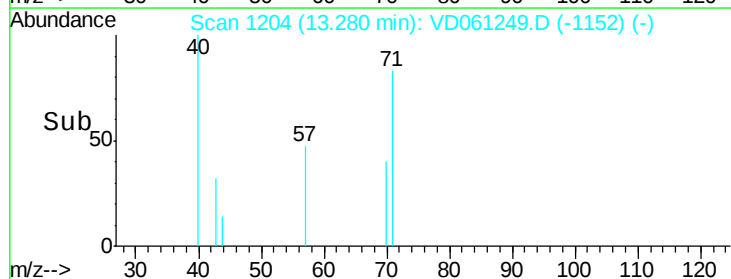
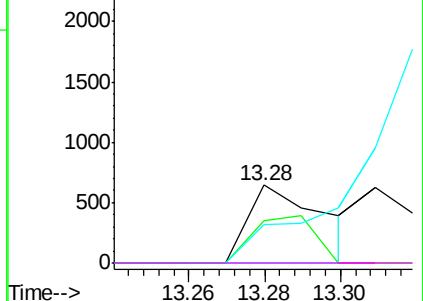


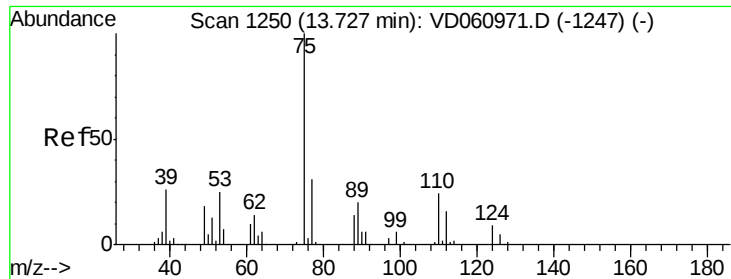
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#76

1,2,3-Trichloropropane

Concen: 22.513 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

Instrument :

MSVOA_D

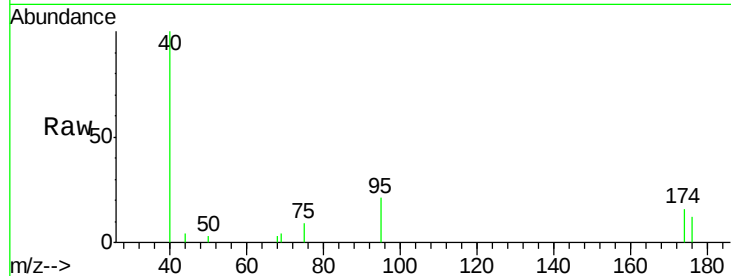
ClientSampled :

Tot Ion: 75 Resp: 938

Ion Ratio Lower Upper

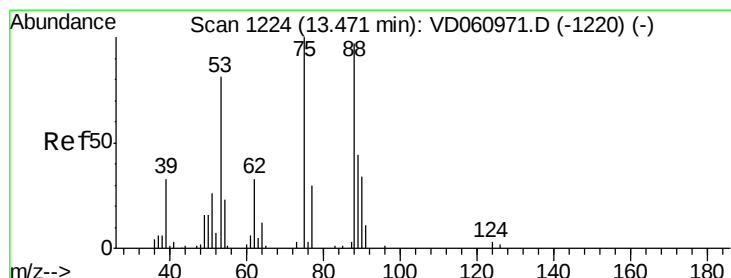
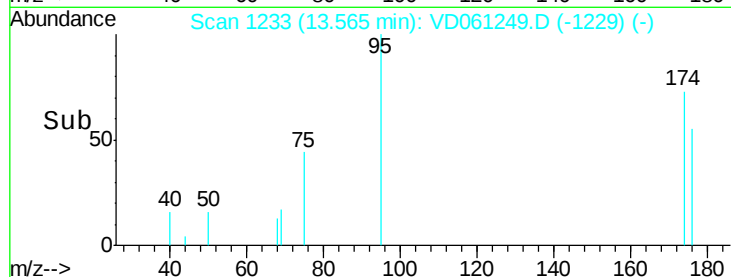
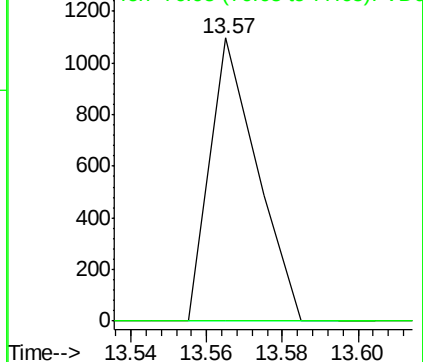
75 100

77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 76.363 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061249.D

Acq: 21 Mar 2019 17:17

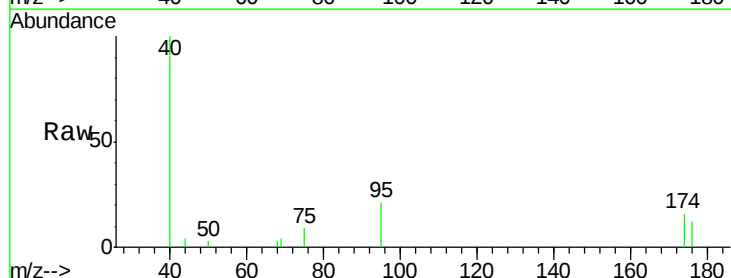
Tgt Ion: 75 Resp: 938

Ion Ratio Lower Upper

75 100

53 0.0 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

