

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061683.D
 Acq On : 9 Apr 2019 19:06
 Operator : VA/AP
 Sample : K2294-06RE
 Misc : 2.99g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	410547	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.25	114	565962	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	322678	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	62171	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	167019	53.67	ug/l	0.04
Spiked Amount 50.000			Recovery	=	107.34%	
35) Dibromofluoromethane	6.97	113	274040	69.89	ug/l	0.05
Spiked Amount 50.000			Recovery	=	139.78%	
50) Toluene-d8	10.44	98	529139	53.72	ug/l	0.03
Spiked Amount 50.000			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	13.57	95	112192	29.69	ug/l	0.01
Spiked Amount 50.000			Recovery	=	59.38%	

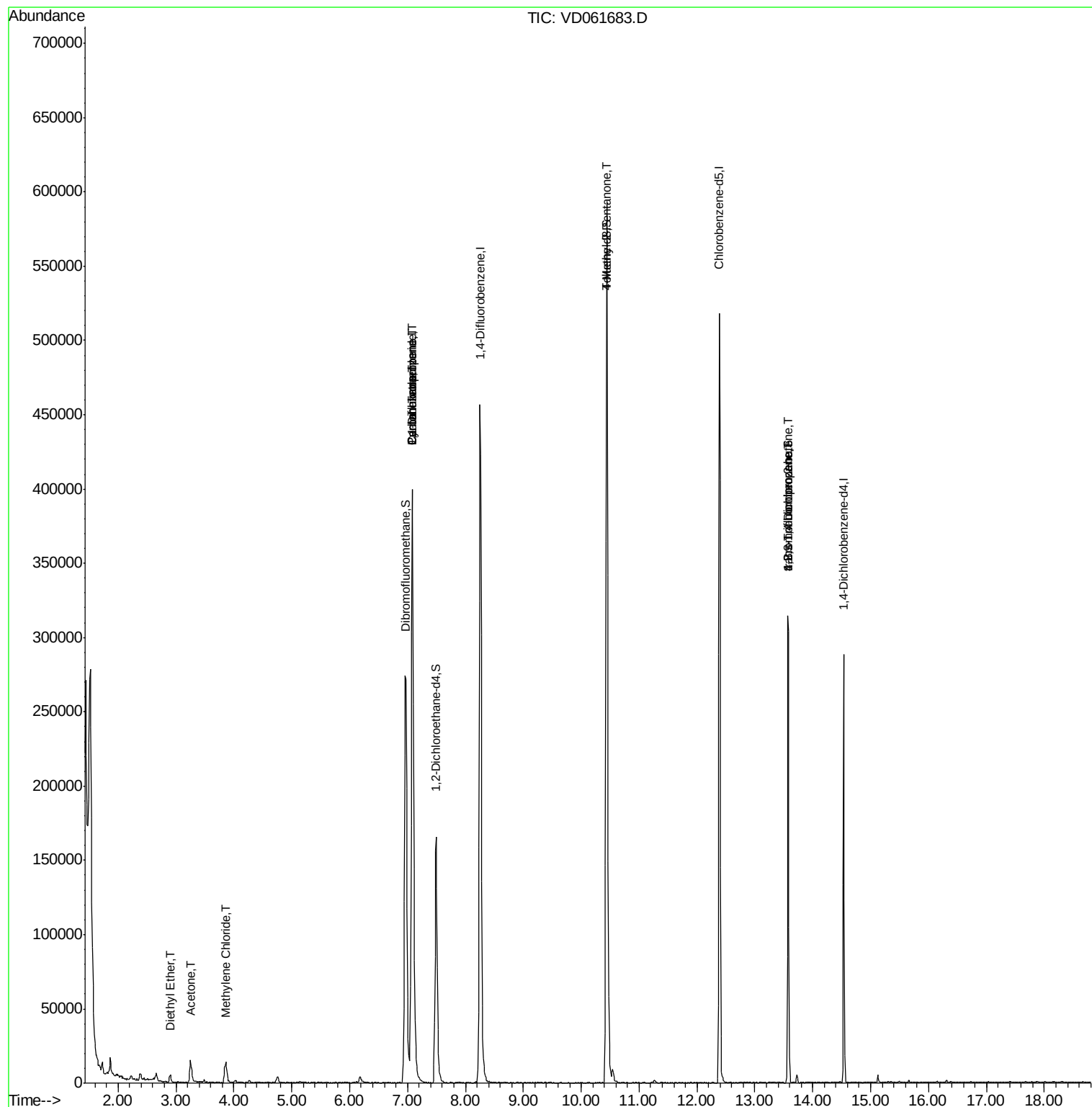
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.91	74	1994	1.407	ug/l	91
16) Acetone	3.25	43	29496	31.707	ug/l	98
20) Methylene Chloride	3.86	84	11018	2.087	ug/l	95
31) Cyclohexane	7.08	56	7305	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	29981	6.053	ug/l #	47
38) Carbon Tetrachloride	7.09	117	39491	6.803	ug/l #	16
51) 4-Methyl-2-Pentanone	10.44	43	2141	1.236	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	41637	49.226	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	42014	163.687	ug/l #	20

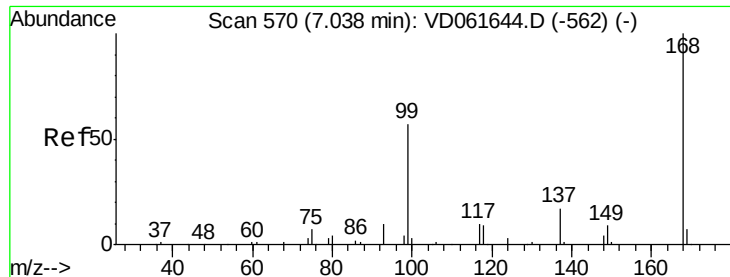
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.05 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

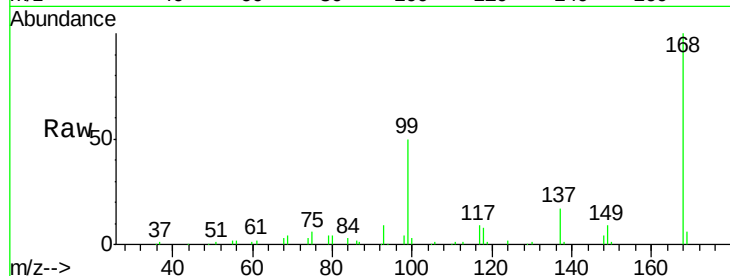
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 410547

Ion Ratio Lower Upper

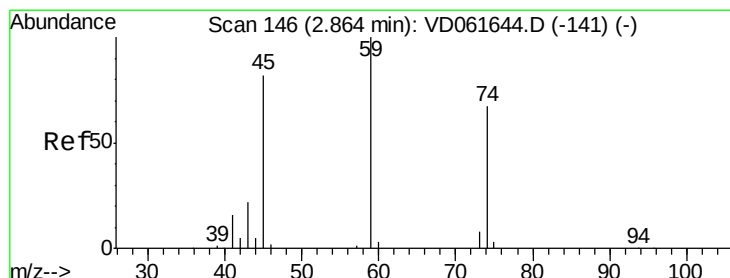
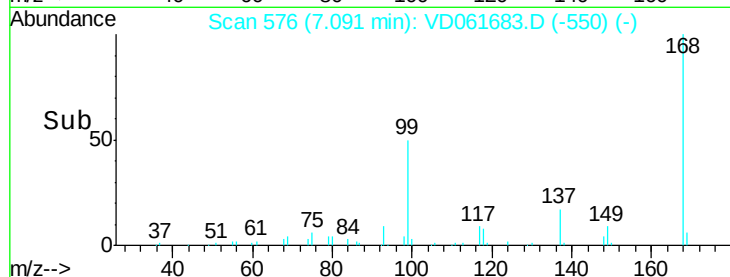
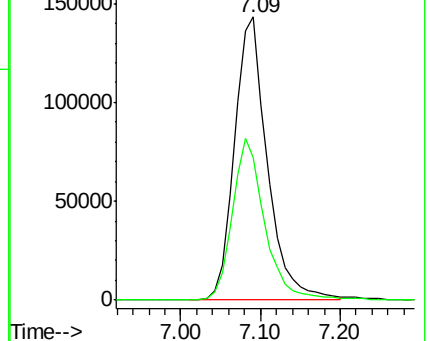
168 100

99 50.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.407 ug/l

RT: 2.91 min Scan# 151

Delta R.T. 0.04 min

Lab File: VD061683.D

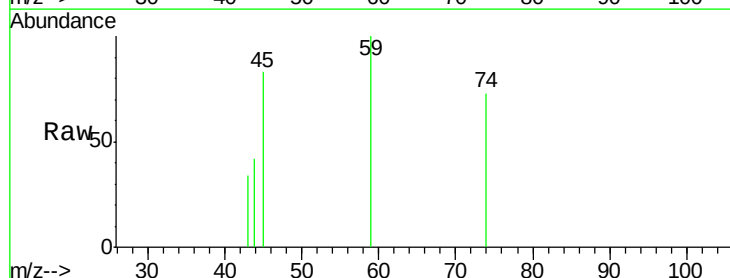
Acq: 9 Apr 2019 19:06

Tgt Ion: 74 Resp: 1994

Ion Ratio Lower Upper

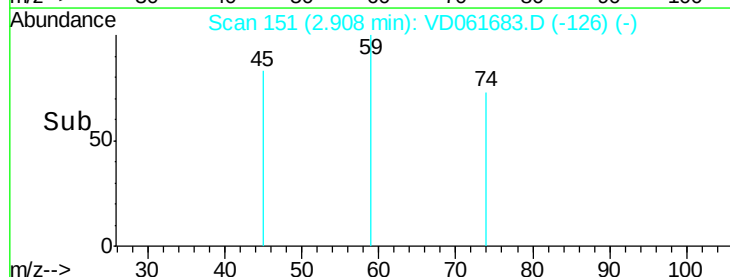
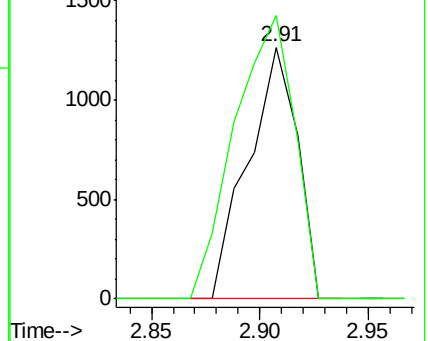
74 100

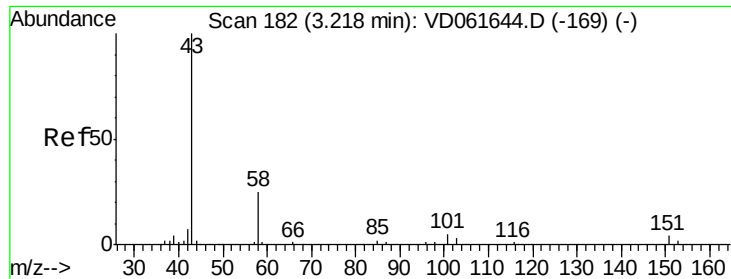
45 112.4 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

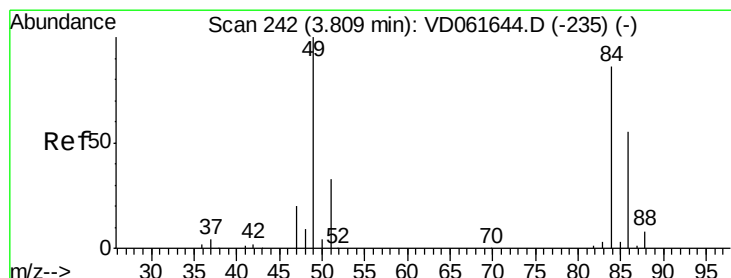
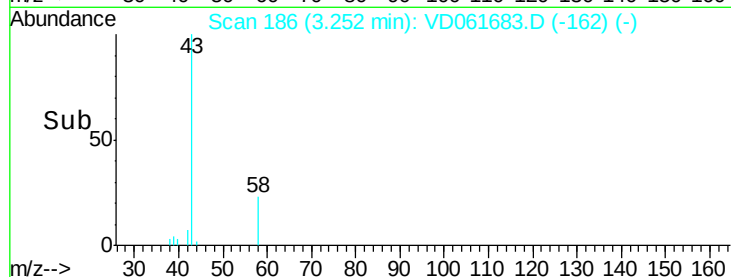
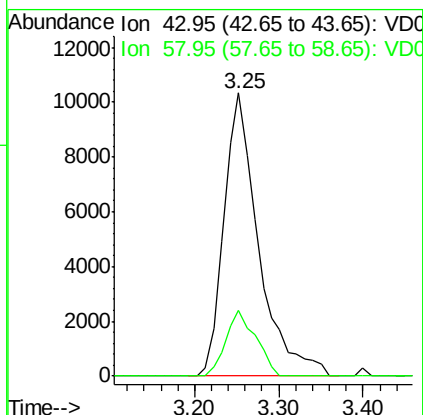
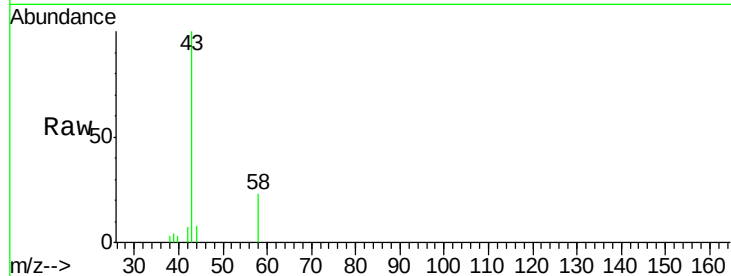




#16
Acetone
Concen: 31.707 ug/l
RT: 3.25 min Scan# 186
Delta R.T. 0.03 min
Lab File: VD061683.D
Acq: 9 Apr 2019 19:06

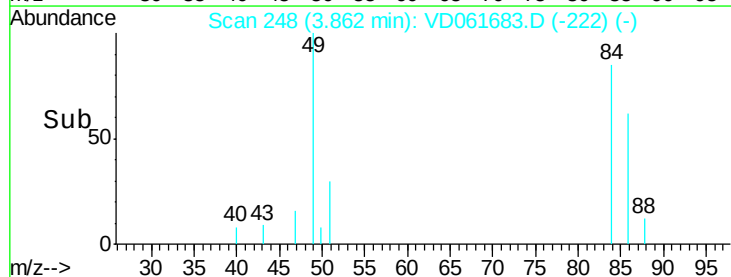
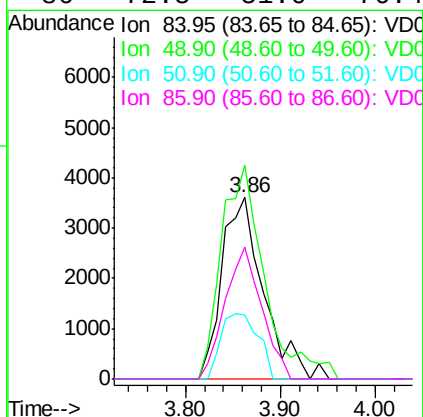
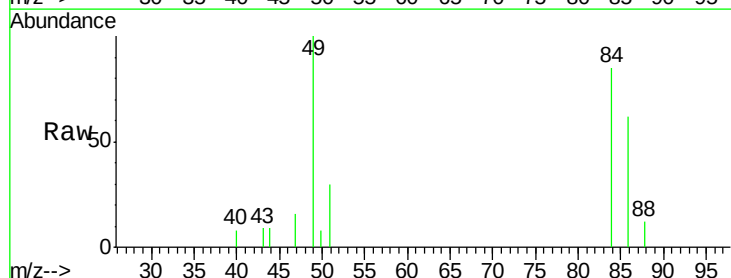
Instrument :
MSVOA_D
ClientSampleId :

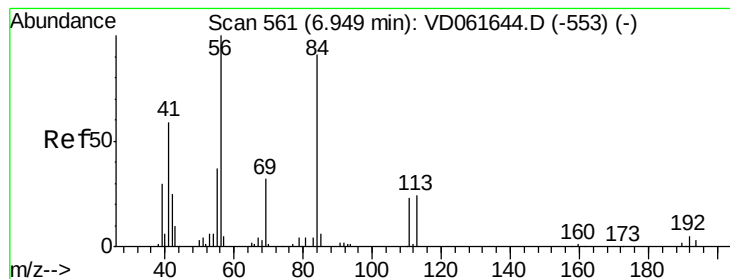
Tot Ion: 43 Resp: 29496
Ion Ratio Lower Upper
43 100
58 23.4 19.7 29.5



#20
Methylene Chloride
Concen: 2.087 ug/l
RT: 3.86 min Scan# 248
Delta R.T. 0.05 min
Lab File: VD061683.D
Acq: 9 Apr 2019 19:06

Tgt Ion: 84 Resp: 11018
Ion Ratio Lower Upper
84 100
49 117.8 93.0 139.4
51 35.5 30.4 45.6
86 72.5 51.0 76.4





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.08 min Scan# 575

Delta R.T. 0.13 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

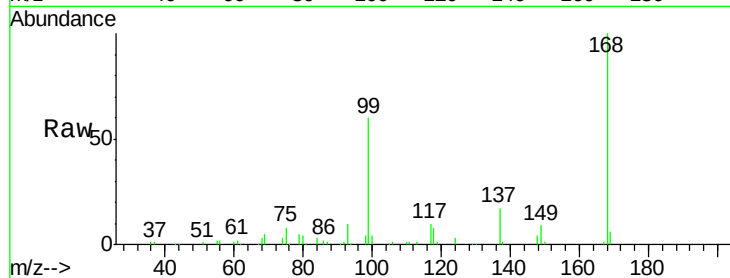
Tot Ion: 56 Resp: 7305

Ion Ratio Lower Upper

56 100

69 250.1 25.8 38.6#

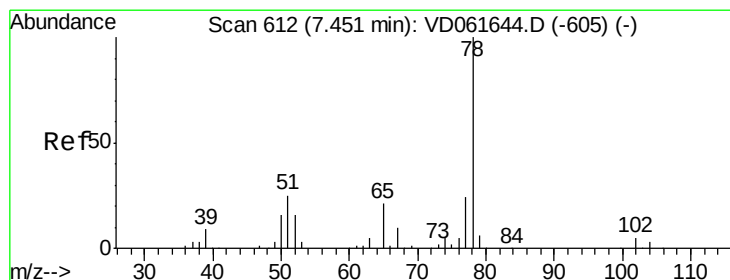
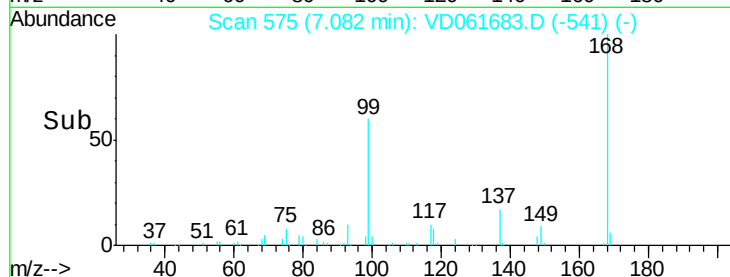
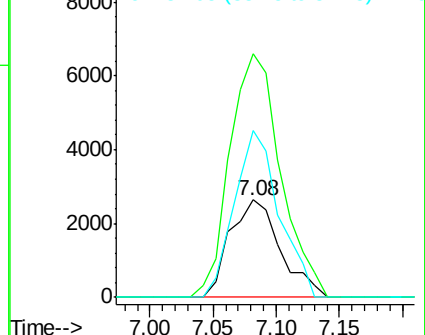
84 171.0 74.2 111.2#



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: 7.49 min Scan# 617

Delta R.T. 0.04 min

Lab File: VD061683.D

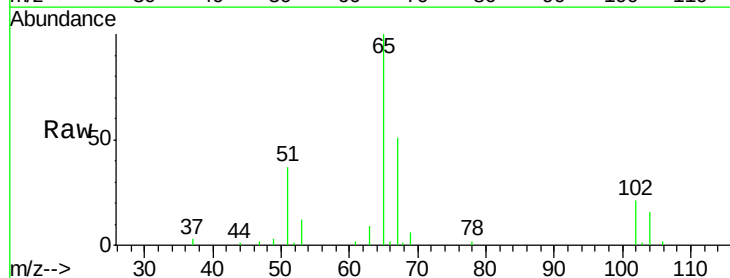
Acq: 9 Apr 2019 19:06

Tgt Ion: 65 Resp: 167019

Ion Ratio Lower Upper

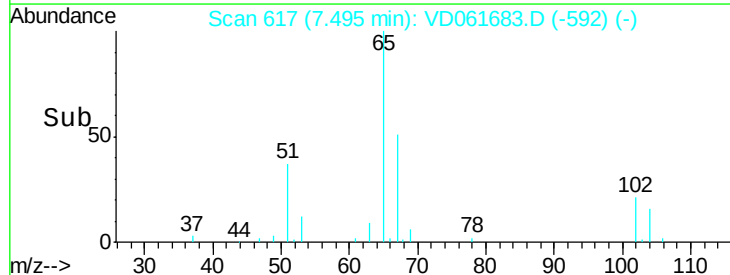
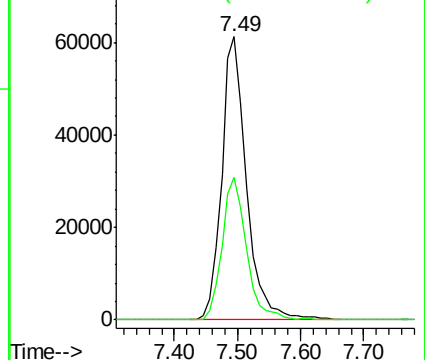
65 100

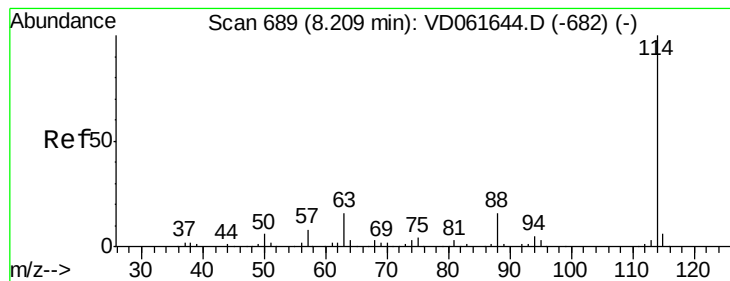
67 50.6 0.0 99.4



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: 8.25 min Scan# 694

Delta R.T. 0.04 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

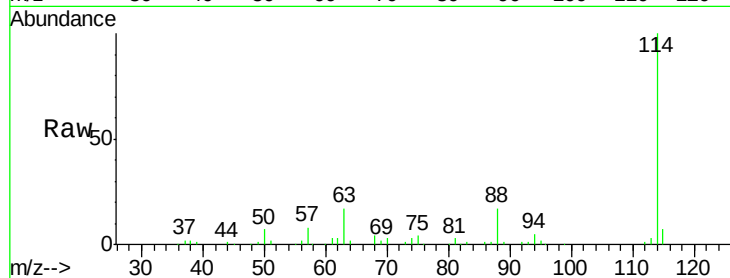
Tot Ion:114 Resp: 565962

Ion Ratio Lower Upper

114 100

63 17.0 0.0 31.2

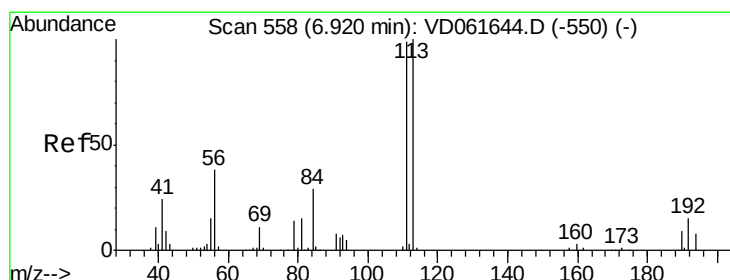
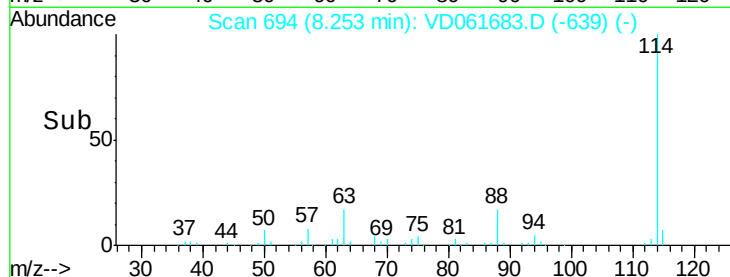
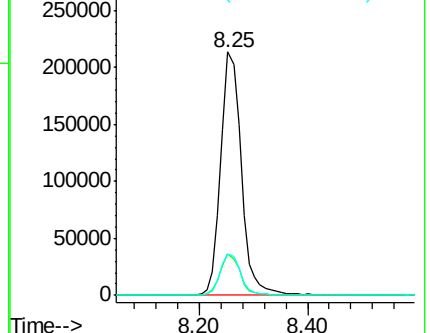
88 17.2 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.05 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

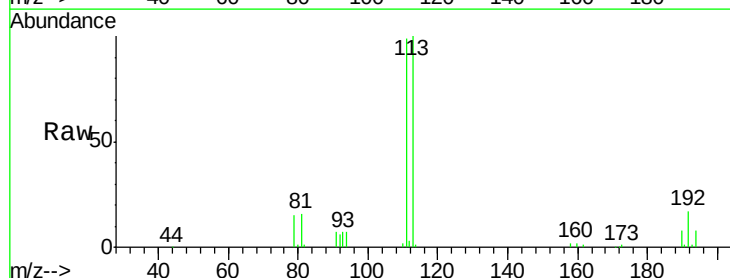
Tgt Ion:113 Resp: 274040

Ion Ratio Lower Upper

113 100

111 99.5 79.3 118.9

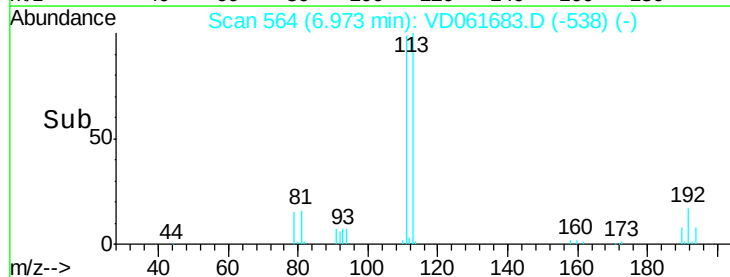
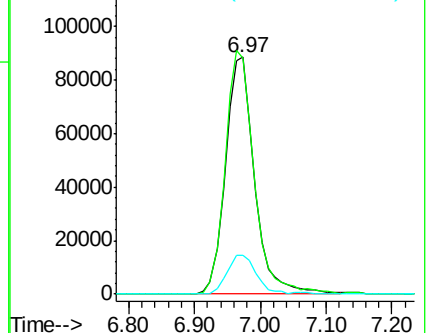
192 16.5 12.3 18.5

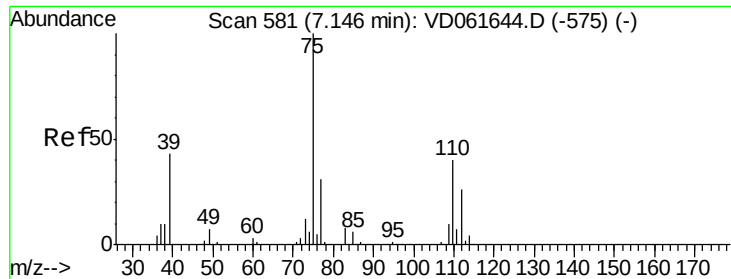


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

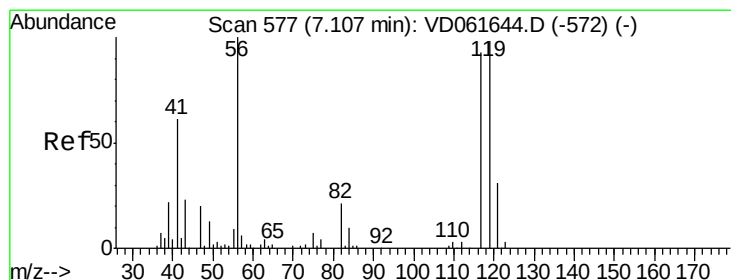
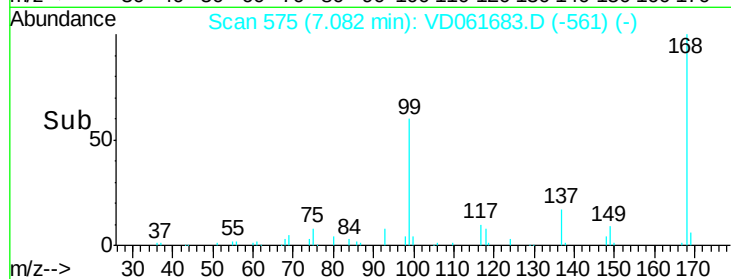
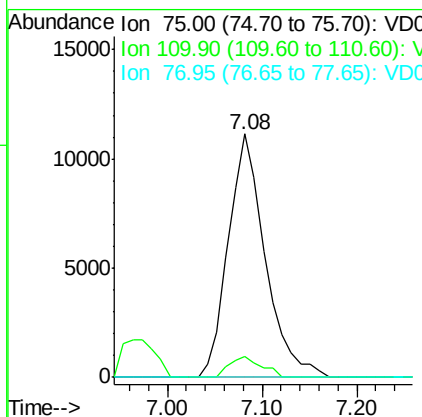
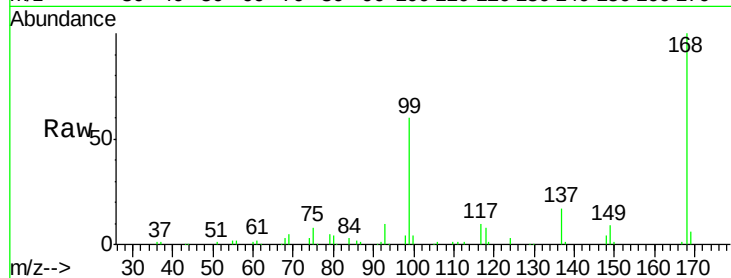




#36
 1,1-Dichloropropene
 Concen: 6.053 ug/l
 RT: 7.08 min Scan# 575
 Delta R.T. -0.06 min
 Lab File: VD061683.D
 Acq: 9 Apr 2019 19:06

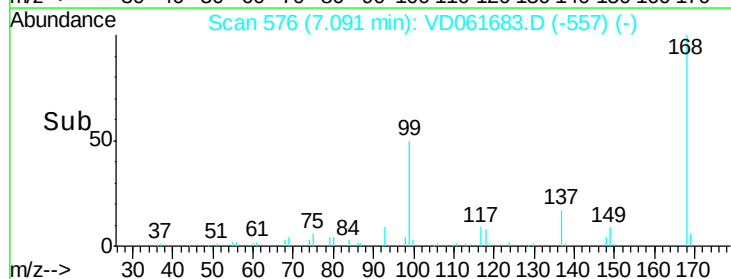
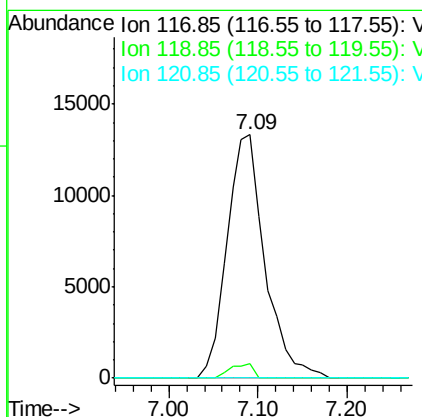
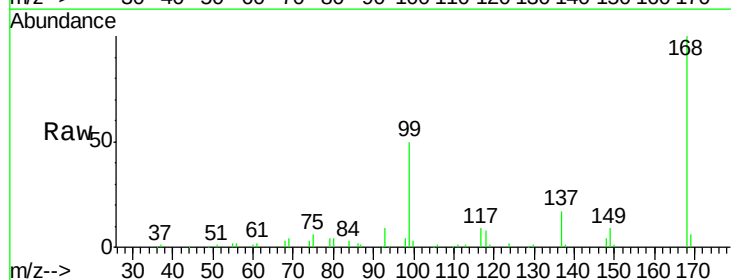
Instrument :
 MSVOA_D
 ClientSampled :

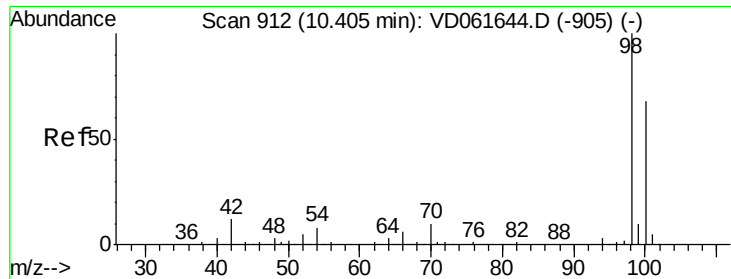
Tot Ion	75	Resp	29981
Ion Ratio	Lower	Upper	
75	100		
110	8.5	19.7	59.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.803 ug/l
 RT: 7.09 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: VD061683.D
 Acq: 9 Apr 2019 19:06

Tgt Ion	117	Resp	39491
Ion Ratio	Lower	Upper	
117	100		
119	5.9	77.9	116.9#
121	0.0	24.7	37.1#

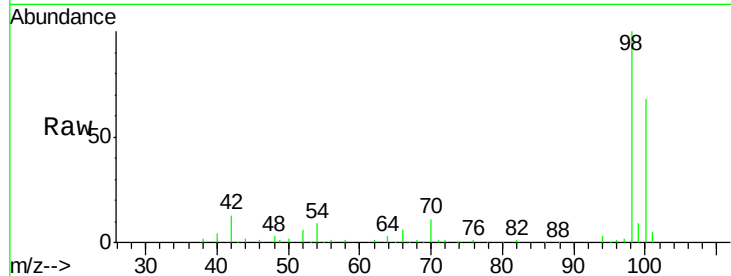




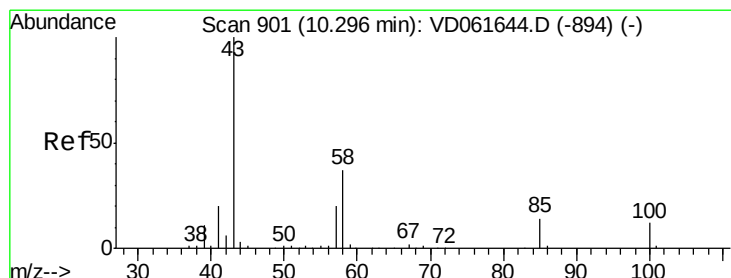
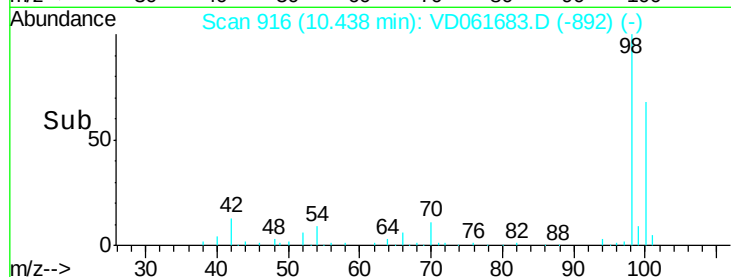
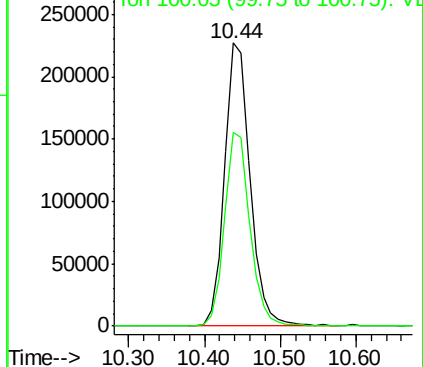
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD061683.D
Acq: 9 Apr 2019 19:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 529139
Ion Ratio Lower Upper
98 100
100 68.5 55.4 83.0

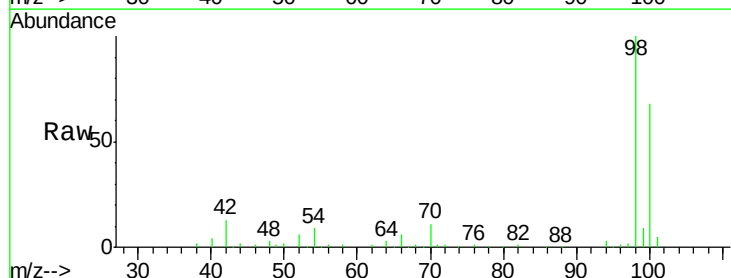


Abundance Ion 98.05 (97.75 to 98.75): VD061683.D (-892) (-)
Ion 100.05 (99.75 to 100.75): VD061683.D (-892) (-)

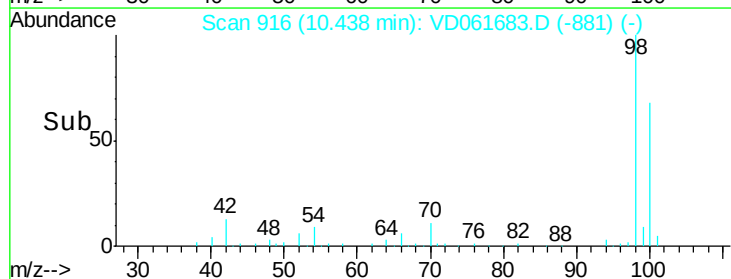
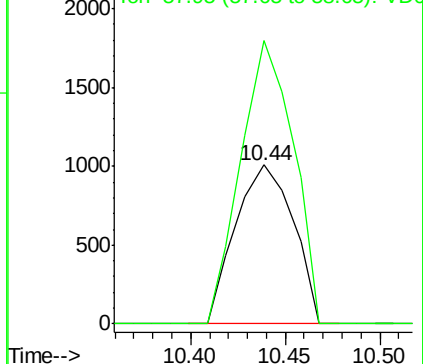


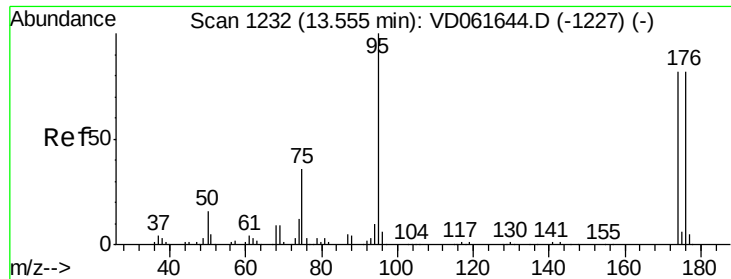
#51
4-Methyl-2-Pentanone
Concen: 1.236 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.14 min
Lab File: VD061683.D
Acq: 9 Apr 2019 19:06

Tgt Ion: 43 Resp: 2141
Ion Ratio Lower Upper
43 100
58 178.0 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VD061683.D (-881) (-)
Ion 57.95 (57.65 to 58.65): VD061683.D (-881) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

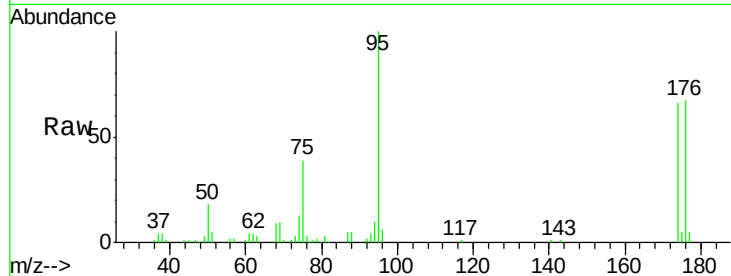
Tot Ion: 95 Resp: 112192

Ion Ratio Lower Upper

95 100

174 66.3 0.0 164.6

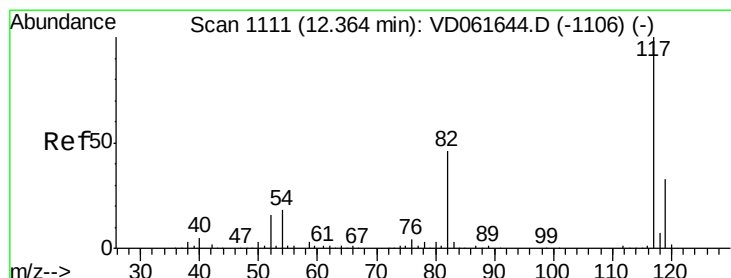
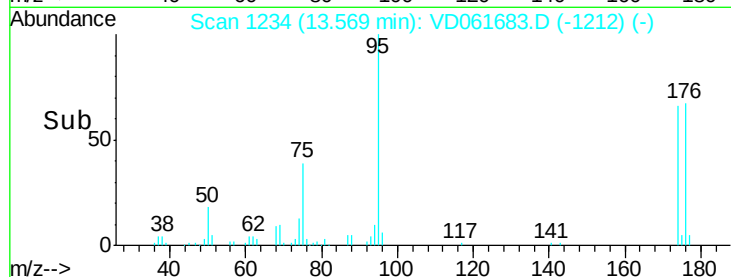
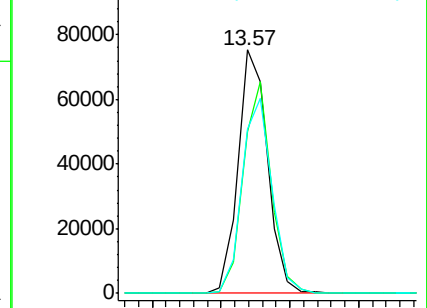
176 67.4 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

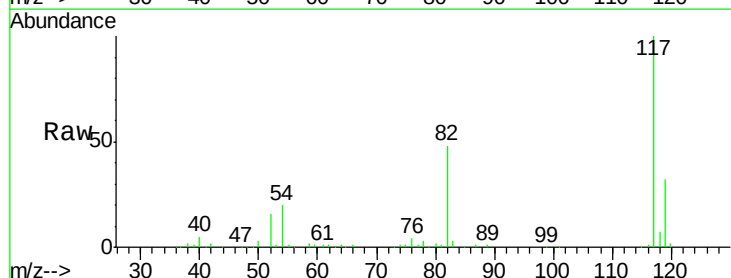
Tgt Ion: 117 Resp: 322678

Ion Ratio Lower Upper

117 100

82 48.1 36.8 55.2

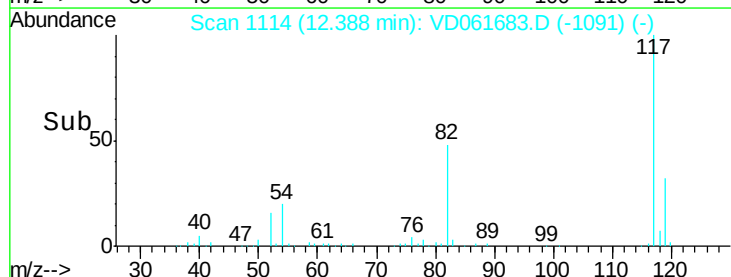
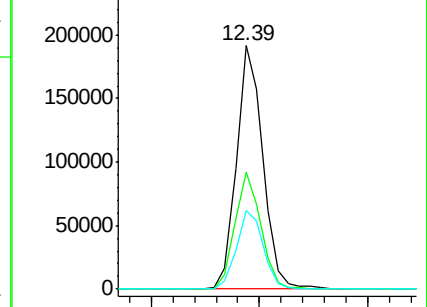
119 32.4 26.1 39.1

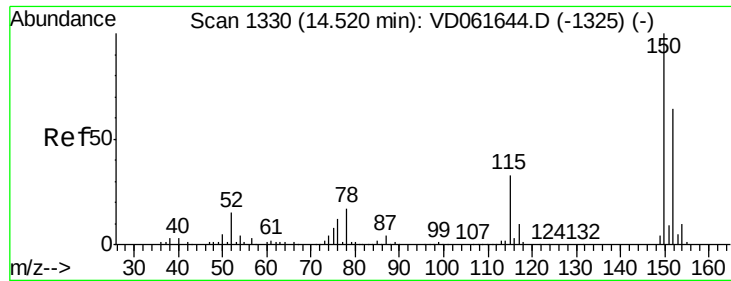


Abundance Ion 116.95 (116.65 to 117.65): VD061644.D (-1106) (-)

Ion 82.05 (81.75 to 82.75): VD061644.D (-1106) (-)

Ion 118.95 (118.65 to 119.65): VD061644.D (-1106) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

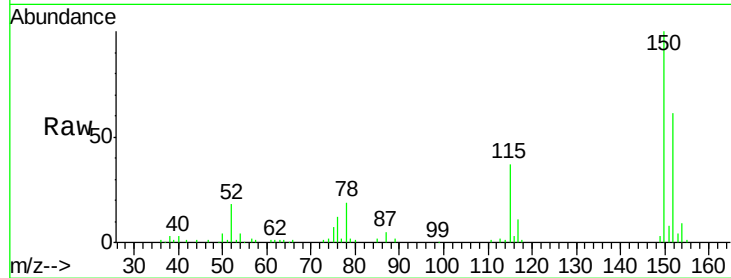
Tot Ion:152 Resp: 62171

Ion Ratio Lower Upper

152 100

115 60.8 26.4 79.2

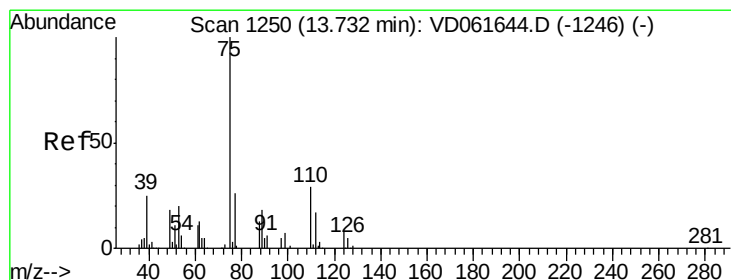
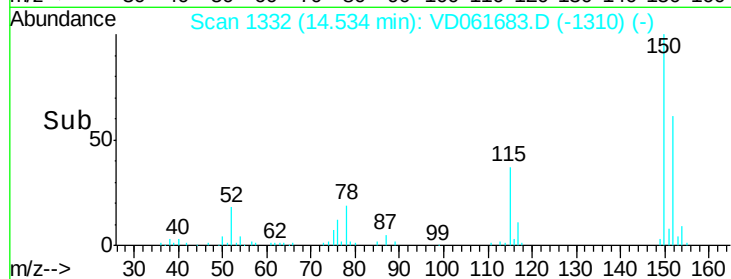
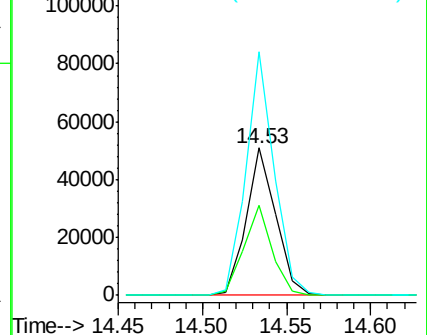
150 165.1 0.0 320.6



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



#76

1,2,3-Trichloropropane

Concen: 49.226 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061683.D

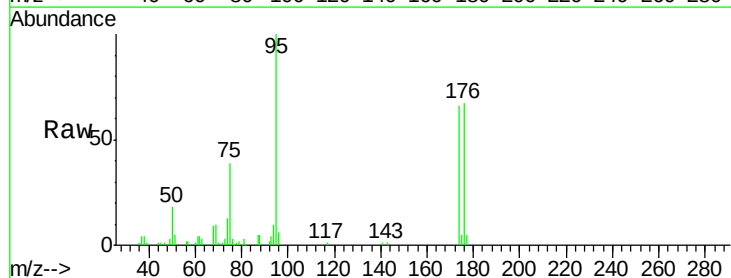
Acq: 9 Apr 2019 19:06

Tgt Ion: 75 Resp: 41637

Ion Ratio Lower Upper

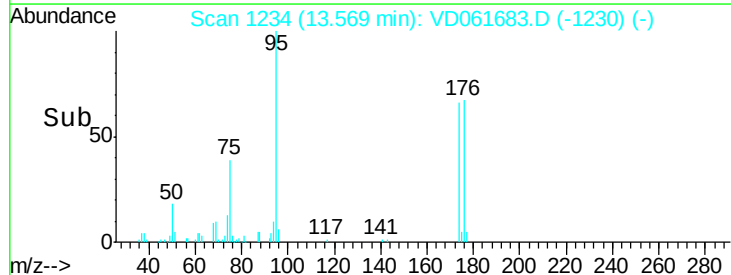
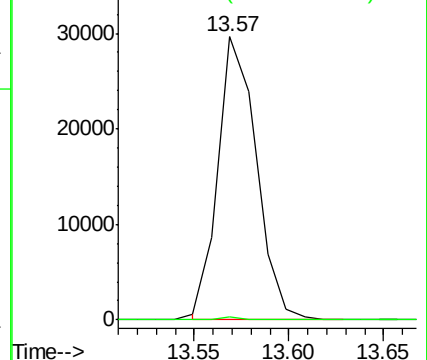
75 100

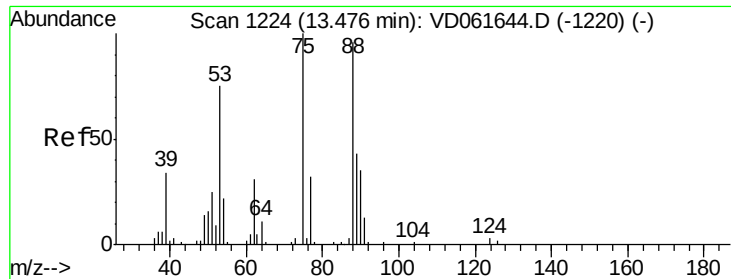
77 1.2 15.7 47.1#



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: 163.687 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD061683.D

Acq: 9 Apr 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 42014

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

