

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061241.D
 Acq On : 21 Mar 2019 13:36
 Operator : VA/AP
 Sample : K2002-05RE
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:30:36 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	7.06	168	788159	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1265227	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	950386	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	438192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	258950	39.47	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	78.94%	
35) Dibromofluoromethane	6.94	113	433177	46.13	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	92.26%	
50) Toluene-d8	10.42	98	1033051	43.81	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	87.62%	
62) 4-Bromofluorobenzene	13.56	95	369345	40.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.74%	

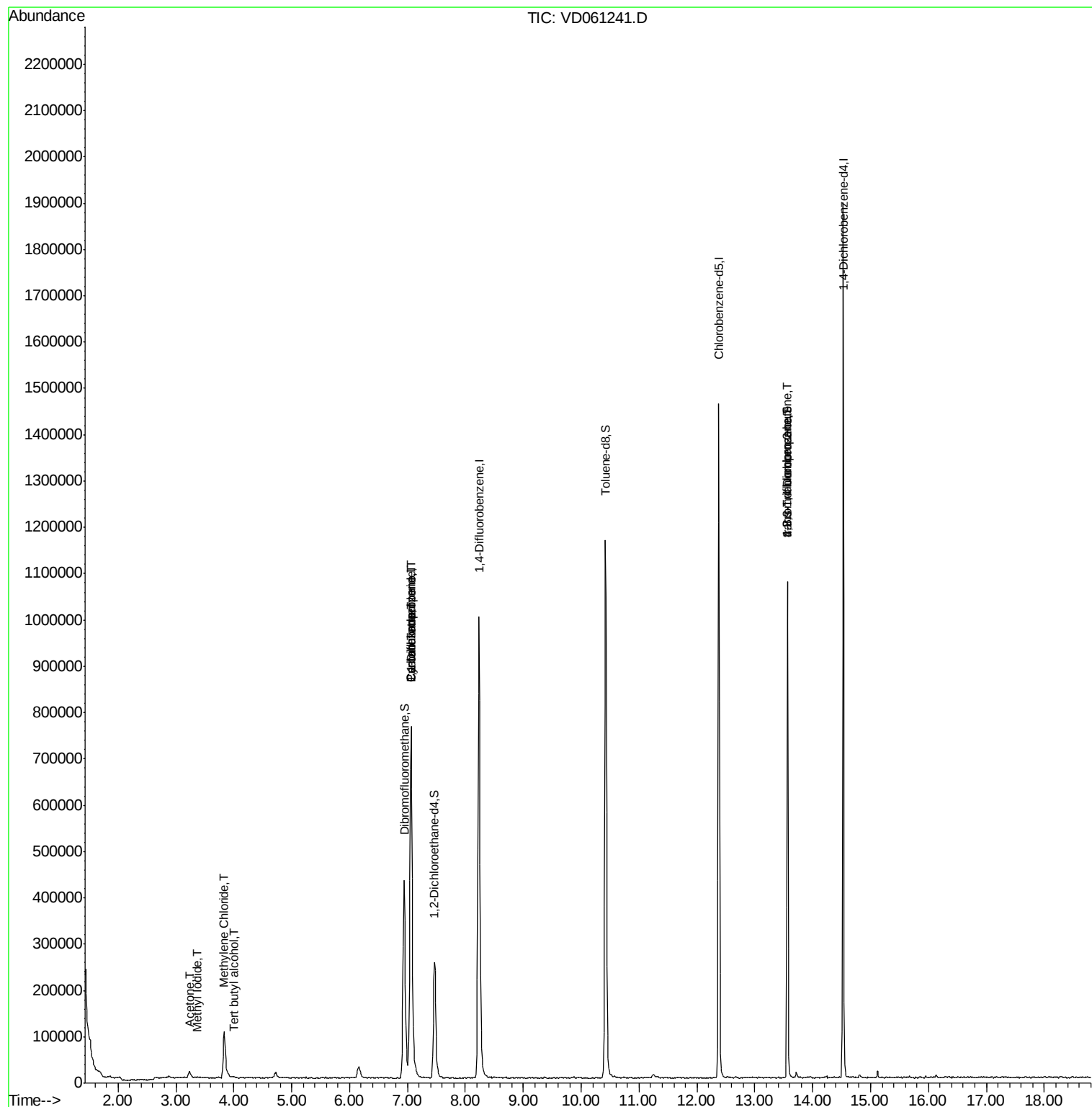
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	1945	3.071	ug/l #	39
11) Tert butyl alcohol	4.01	59	1323	3.168	ug/l #	75
16) Acetone	3.23	43	28597	15.243	ug/l	99
20) Methylene Chloride	3.83	84	80811	5.275	ug/l	91
31) Cyclohexane	7.06	56	14056	1.211	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	57079	5.234	ug/l #	47
38) Carbon Tetrachloride	7.06	117	75581	6.291	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	110442	17.519	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	134084	72.142	ug/l #	17

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

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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: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

Instrument :

MSVOA_D

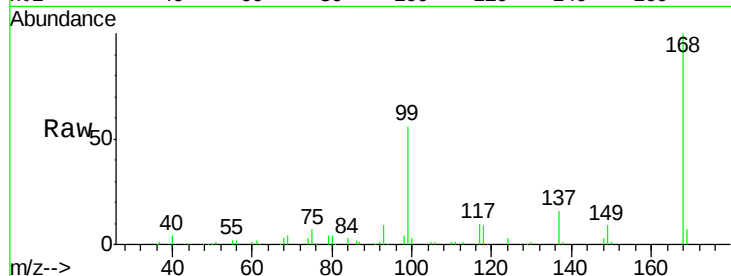
ClientSampled :

Tot Ion:168 Resp: 788159

Ion Ratio Lower Upper

168 100

99 55.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

300000

250000

200000

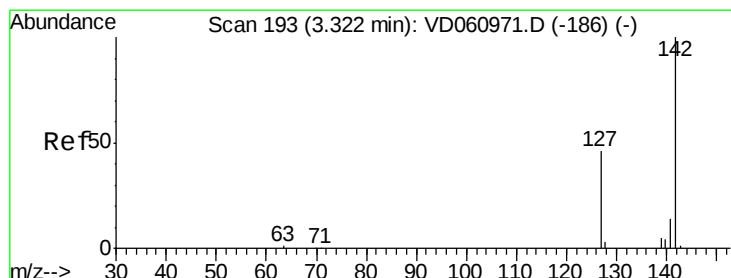
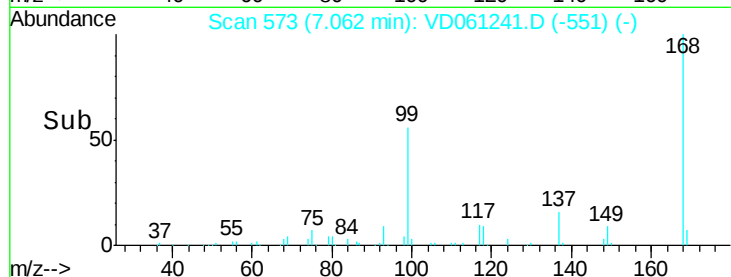
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.071 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

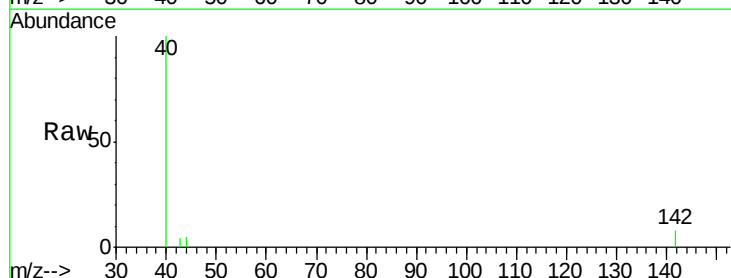
Tgt Ion:142 Resp: 1945

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

1200

1000

800

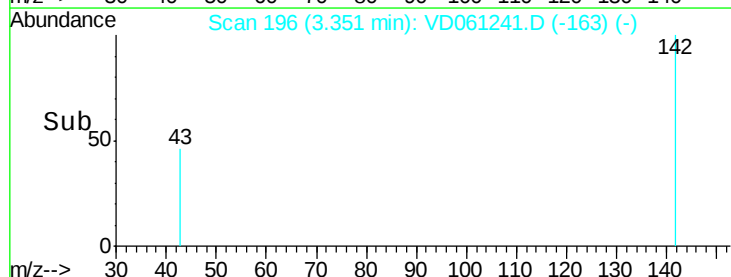
600

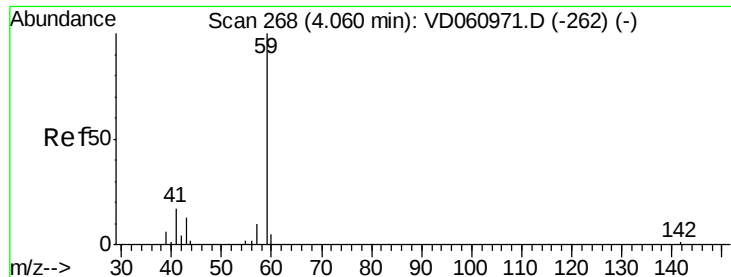
400

200

0

Time-->



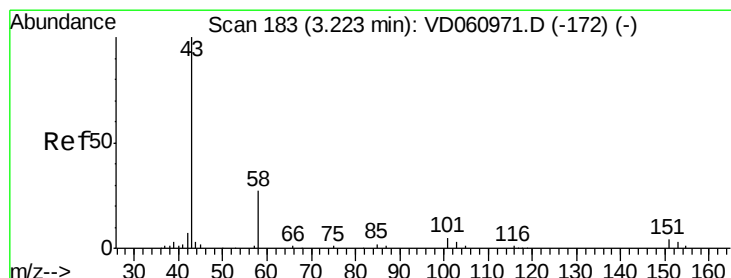
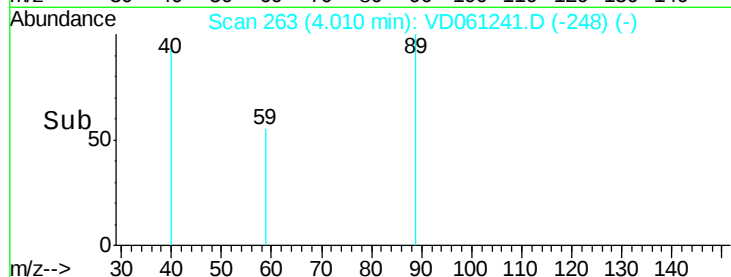
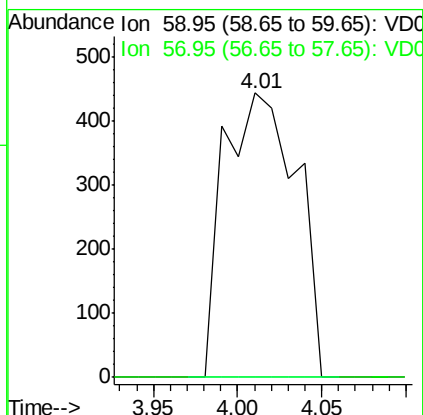
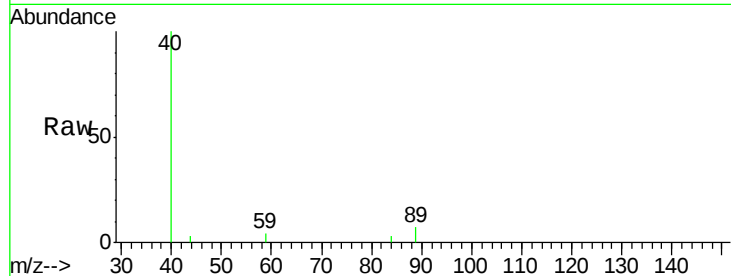


#11

Tert butyl alcohol
 Concen: 3.168 ug/l
 RT: 4.01 min Scan# 263
 Delta R.T. -0.05 min
 Lab File: VD061241.D
 Acq: 21 Mar 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :

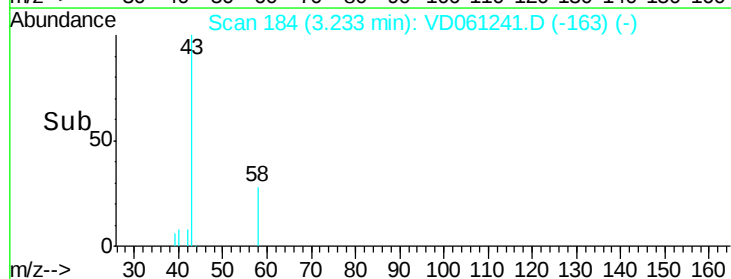
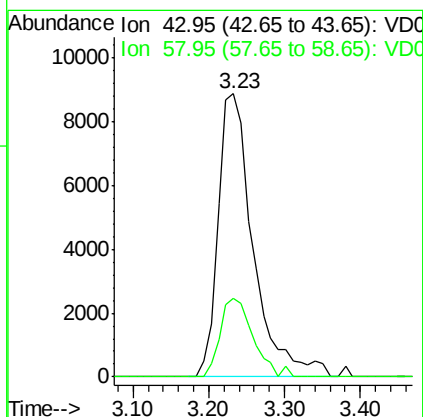
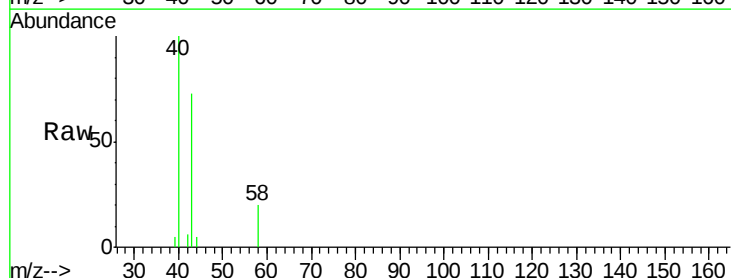
Tot Ion: 59 Resp: 1323
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

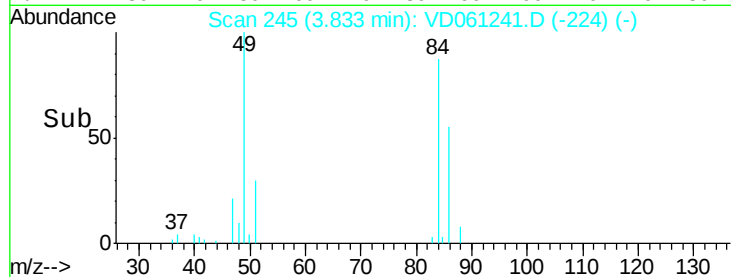
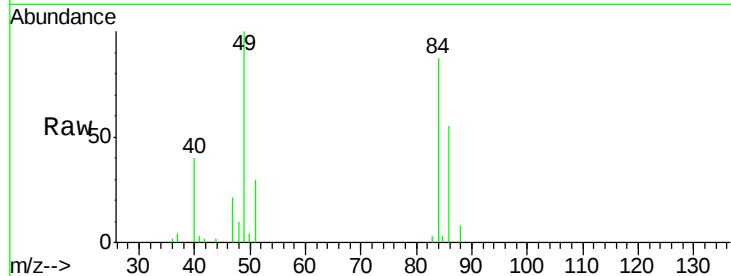
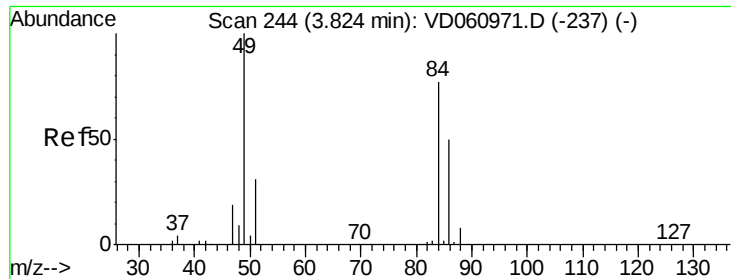


#16

Acetone
 Concen: 15.243 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD061241.D
 Acq: 21 Mar 2019 13:36

Tgt Ion: 43 Resp: 28597
 Ion Ratio Lower Upper
 43 100
 58 27.7 21.6 32.4

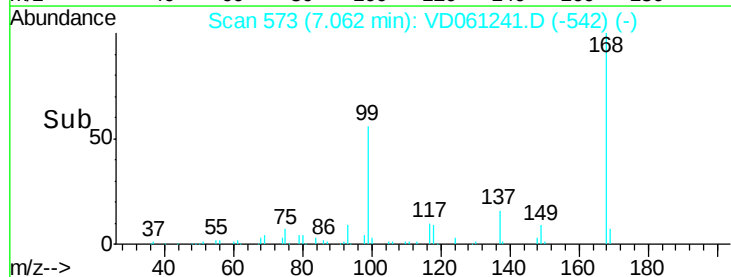
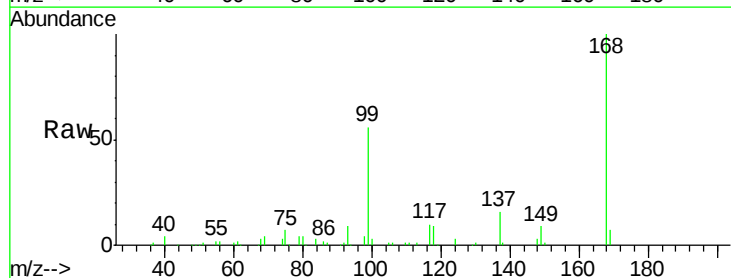
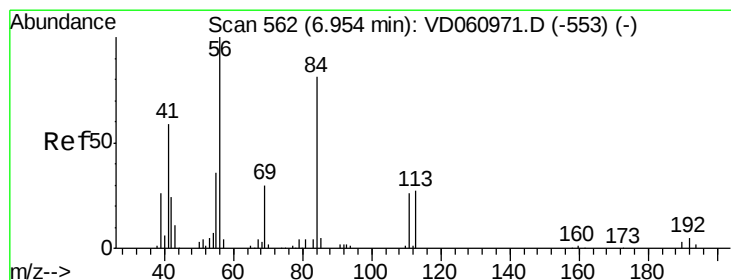
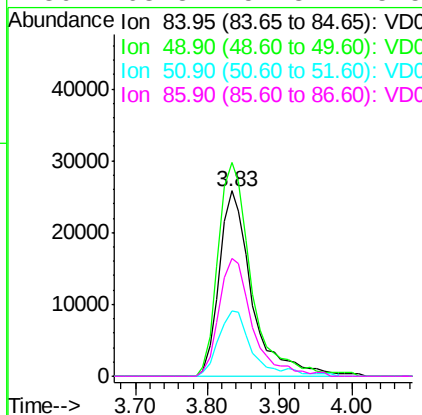




#20
Methvlene Chloride
Concen: 5.275 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061241.D
Acq: 21 Mar 2019 13:36

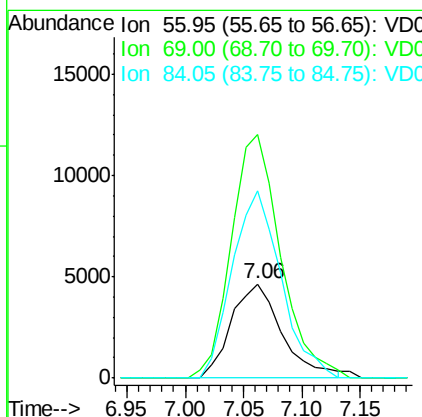
Instrument :
MSVOA_D
ClientSampleId :

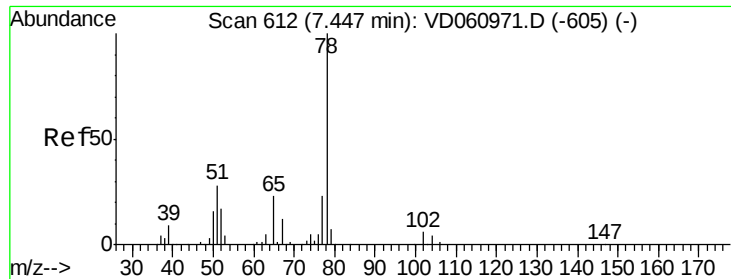
Tot Ion:	84	Resp:	80811
Ion	Ratio	Lower	Upper
84	100		
49	115.3	104.2	156.2
51	35.0	32.3	48.5
86	63.8	52.3	78.5



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061241.D
Acq: 21 Mar 2019 13:36

Tgt Ion:	56	Resp:	14056
Ion	Ratio	Lower	Upper
56	100		
69	258.2	24.0	36.0#
84	199.0	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

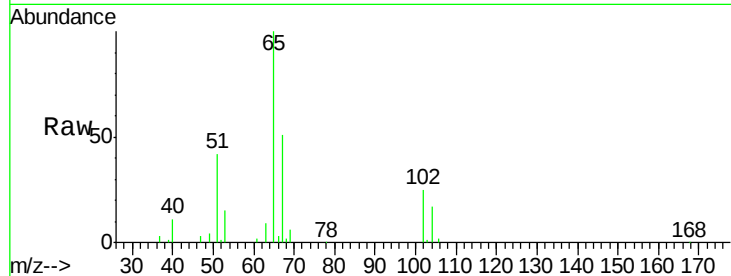
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 258950

Ion Ratio Lower Upper

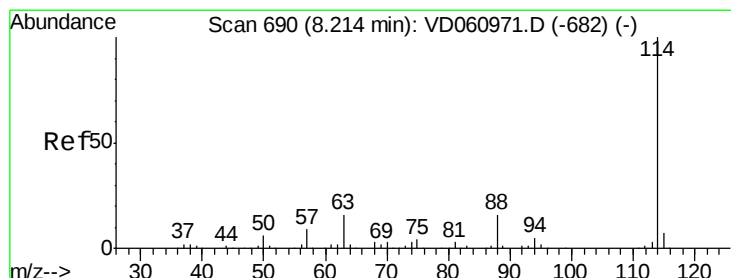
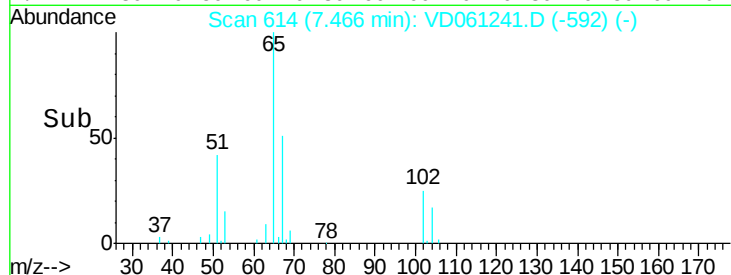
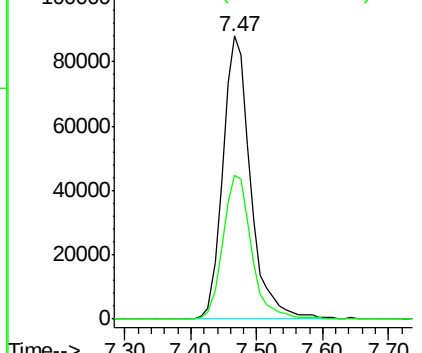
65 100

67 50.8 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: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

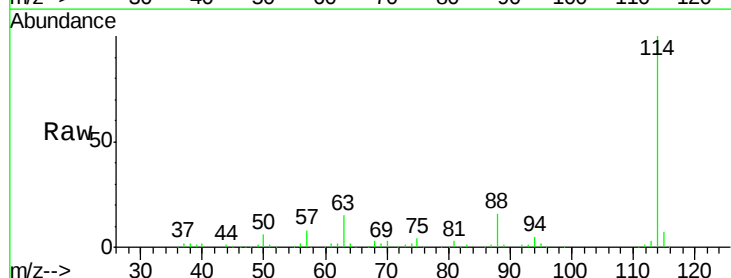
Tgt Ion: 114 Resp: 1265227

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.4

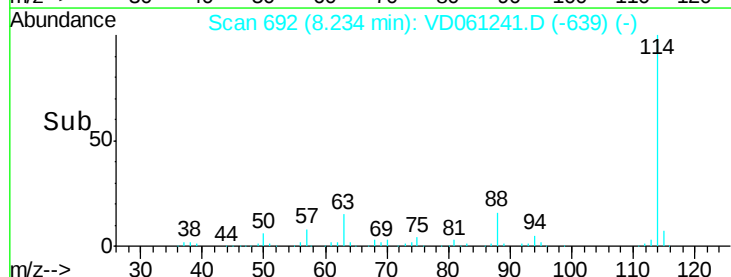
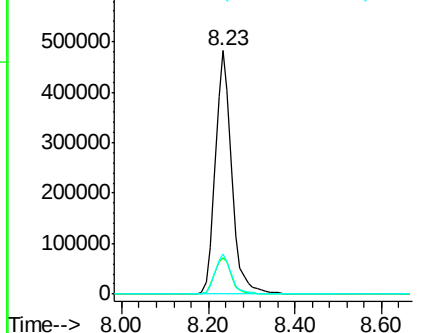
88 16.5 0.0 33.0

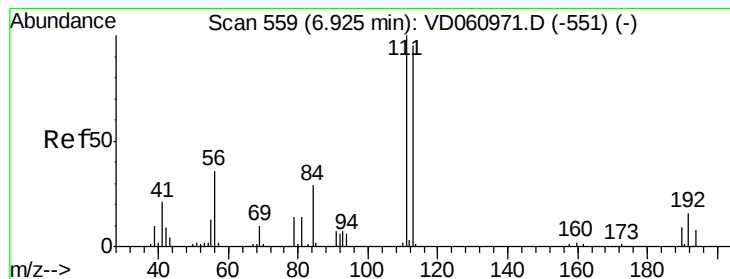


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

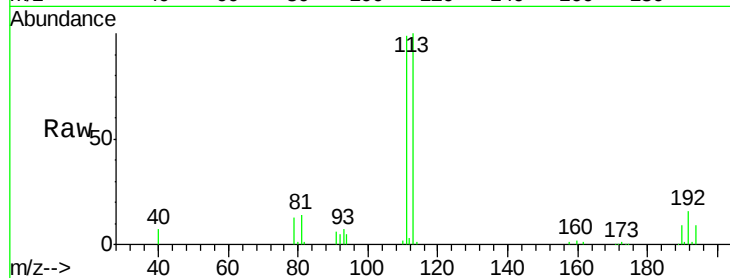
Tot Ion:113 Resp: 433177

Ion Ratio Lower Upper

113 100

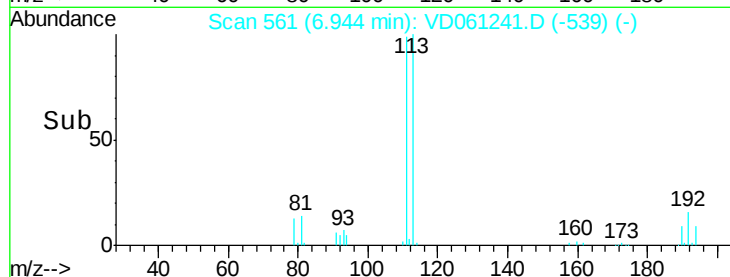
111 98.9 84.2 126.4

192 15.5 13.1 19.7

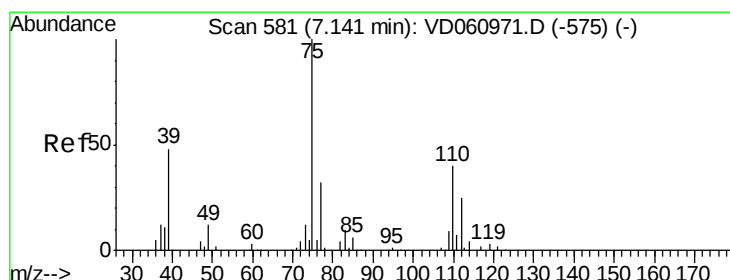


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.94



Time-->



#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

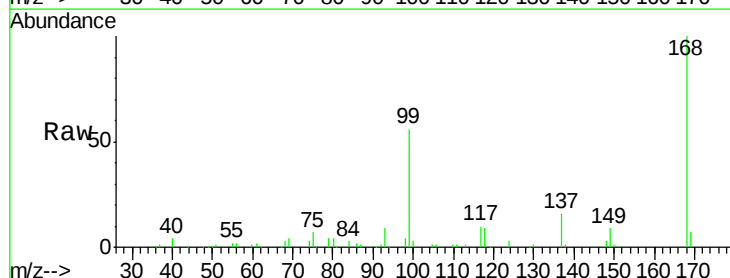
Tgt Ion: 75 Resp: 57079

Ion Ratio Lower Upper

75 100

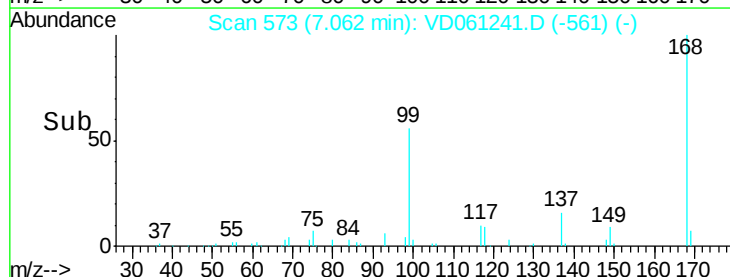
110 8.7 19.7 59.1#

77 0.0 24.7 37.1#

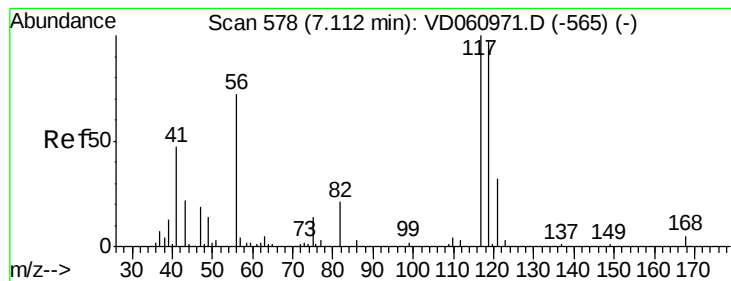


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

7.06



Time-->



#38

Carbon Tetrachloride

Concen: 6.291 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

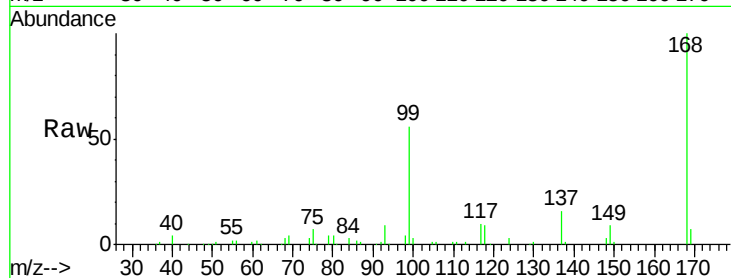
Tot Ion:117 Resp: 75581

Ion Ratio Lower Upper

117 100

119 3.9 77.8 116.8#

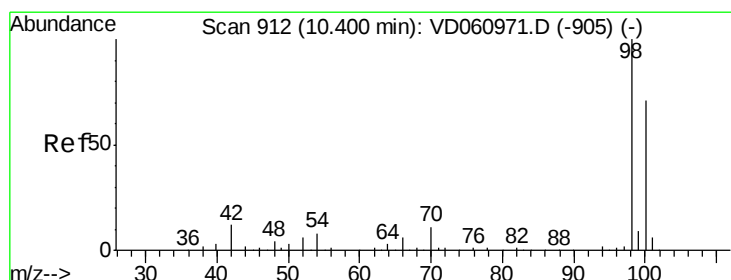
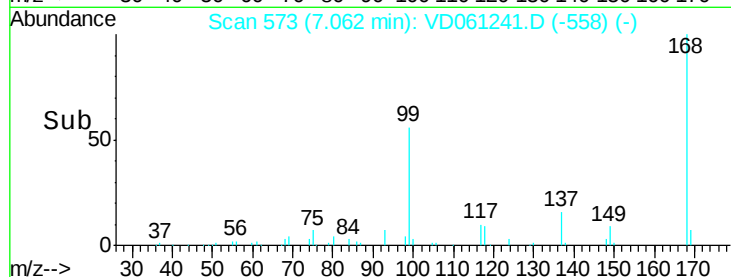
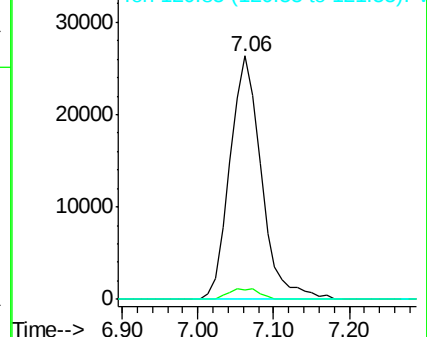
121 0.0 25.3 37.9#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061241.D

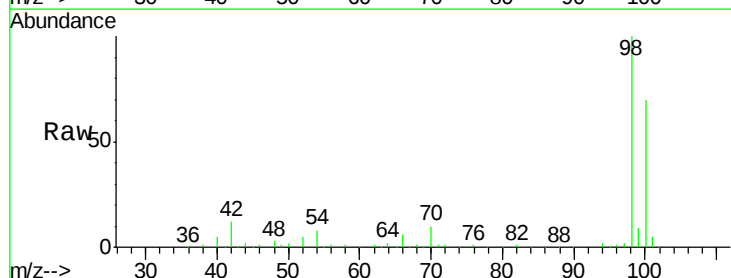
Acq: 21 Mar 2019 13:36

Tgt Ion: 98 Resp: 1033051

Ion Ratio Lower Upper

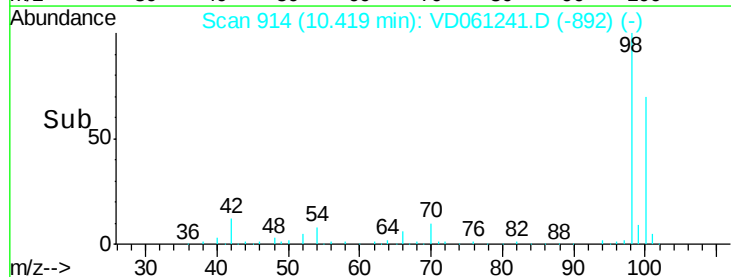
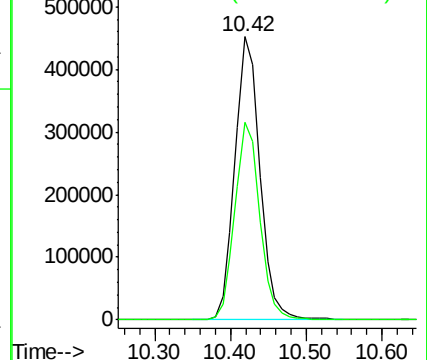
98 100

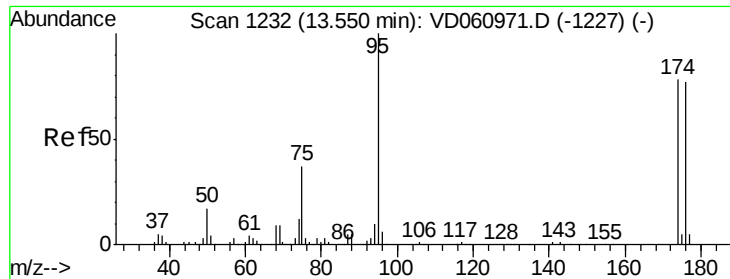
100 69.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

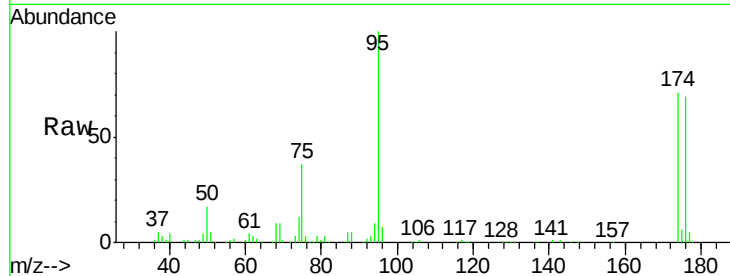




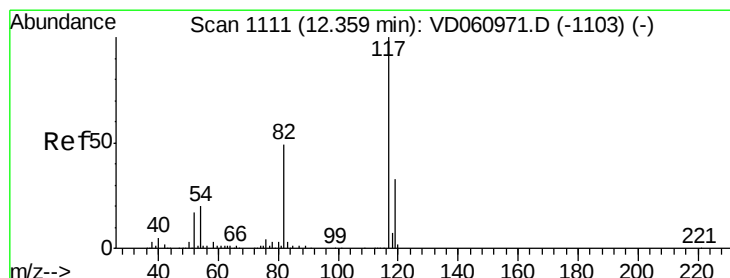
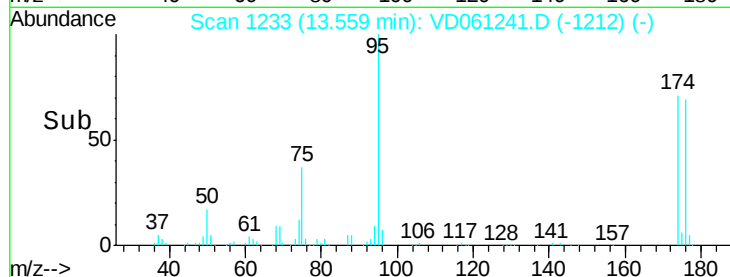
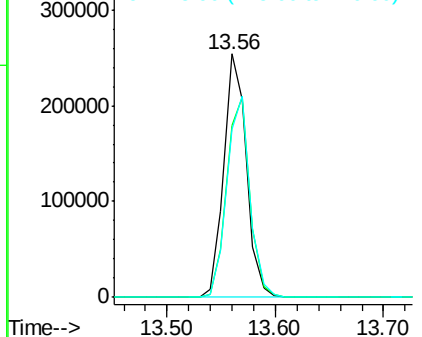
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061241.D
Acq: 21 Mar 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 369345
Ion Ratio Lower Upper
95 100
174 70.5 0.0 155.6
176 69.1 0.0 153.8

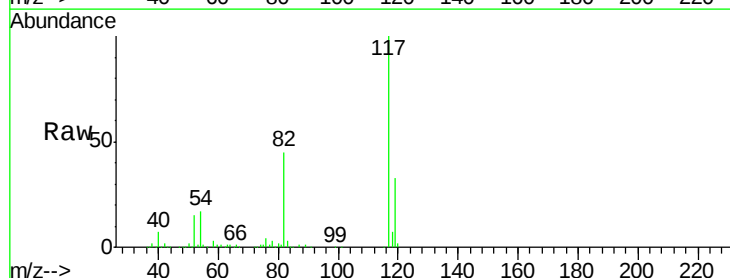


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

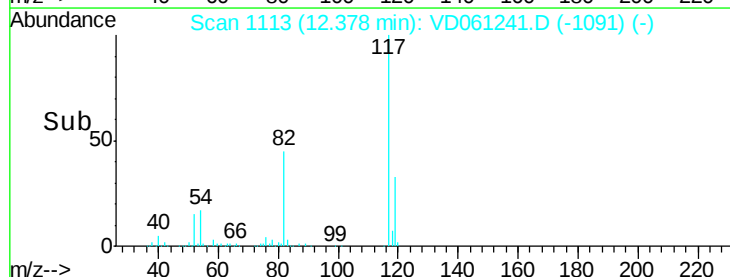
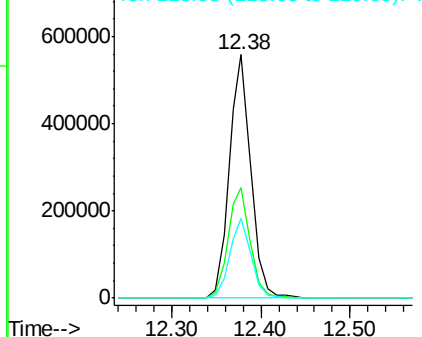


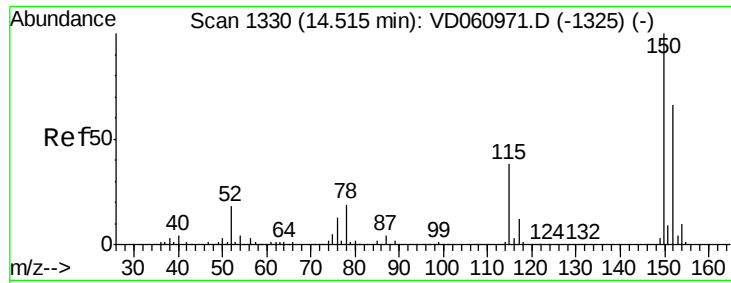
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061241.D
Acq: 21 Mar 2019 13:36

Tgt Ion: 117 Resp: 950386
Ion Ratio Lower Upper
117 100
82 45.3 38.9 58.3
119 32.7 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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

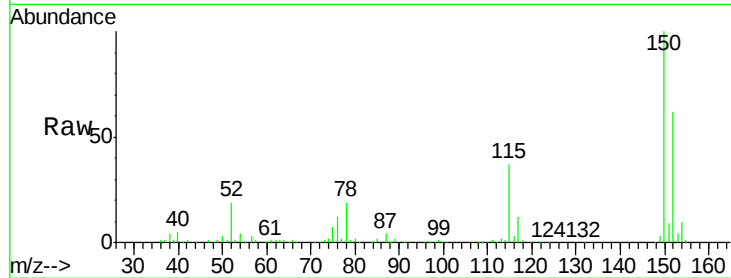
Tot Ion:152 Resp: 438192

Ion Ratio Lower Upper

152 100

115 59.8 28.6 85.9

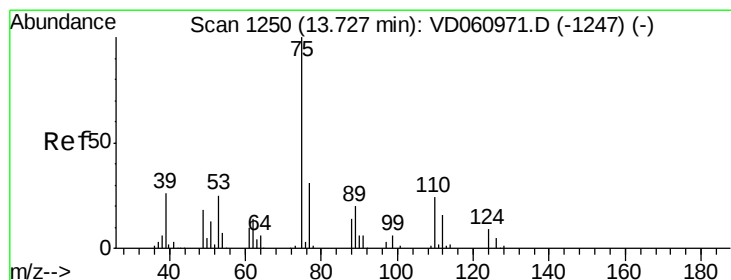
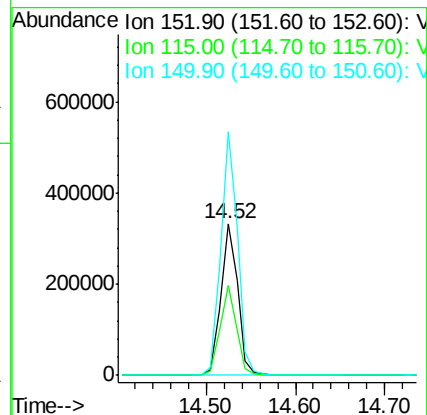
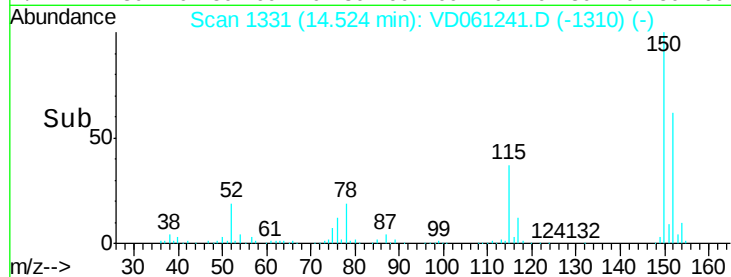
150 160.8 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 17.519 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061241.D

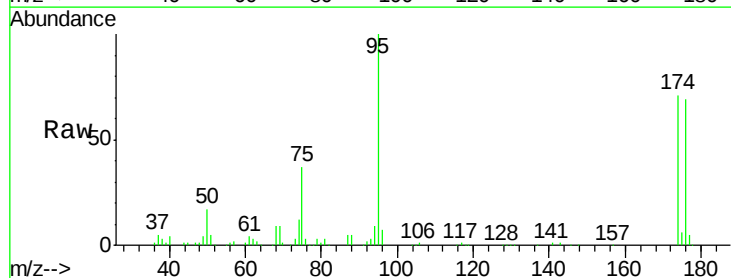
Acq: 21 Mar 2019 13:36

Tgt Ion: 75 Resp: 110442

Ion Ratio Lower Upper

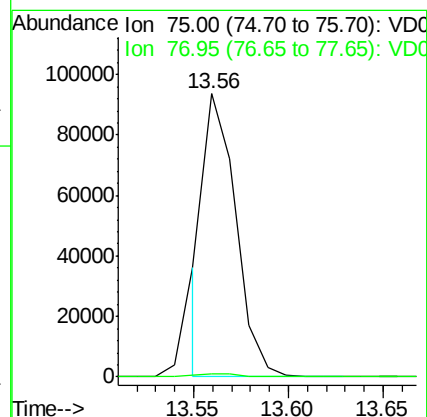
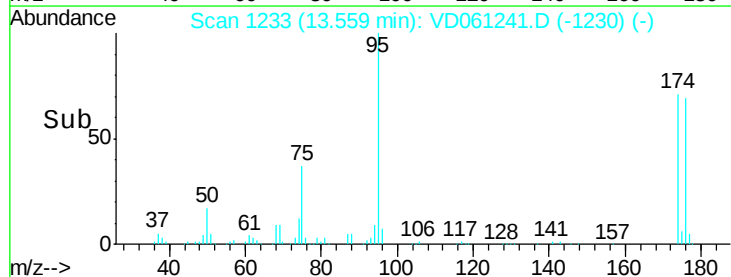
75 100

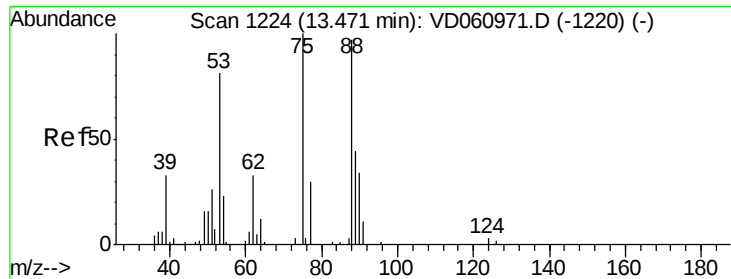
77 1.3 16.6 49.7#



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: 72.142 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061241.D

Acq: 21 Mar 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

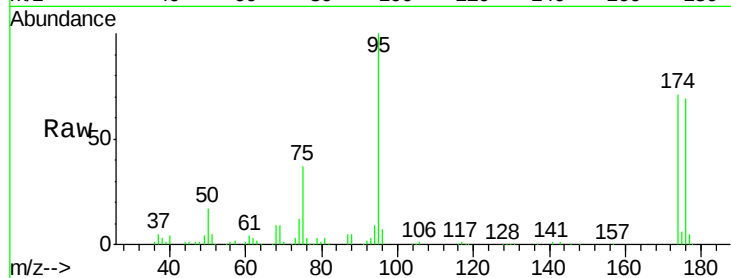
Tot Ion: 75 Resp: 134084

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

