

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060948.D
 Acq On : 5 Mar 2019 14:58
 Operator : VA/AP
 Sample : K1714-06RE
 Misc : 6.44g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-14-18

Quant Time: Mar 06 04:07:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	612008	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1059155	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	894272	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	394363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	205122	40.54	ug/l	0.02
Spiked Amount			Recovery	=	81.08%	
35) Dibromofluoromethane	6.94	113	319597	37.64	ug/l	0.03
Spiked Amount			Recovery	=	75.28%	
50) Toluene-d8	10.41	98	732544	34.67	ug/l	0.02
Spiked Amount			Recovery	=	69.34%	
62) 4-Bromofluorobenzene	13.55	95	299125	37.46	ug/l	0.00
Spiked Amount			Recovery	=	74.92%	

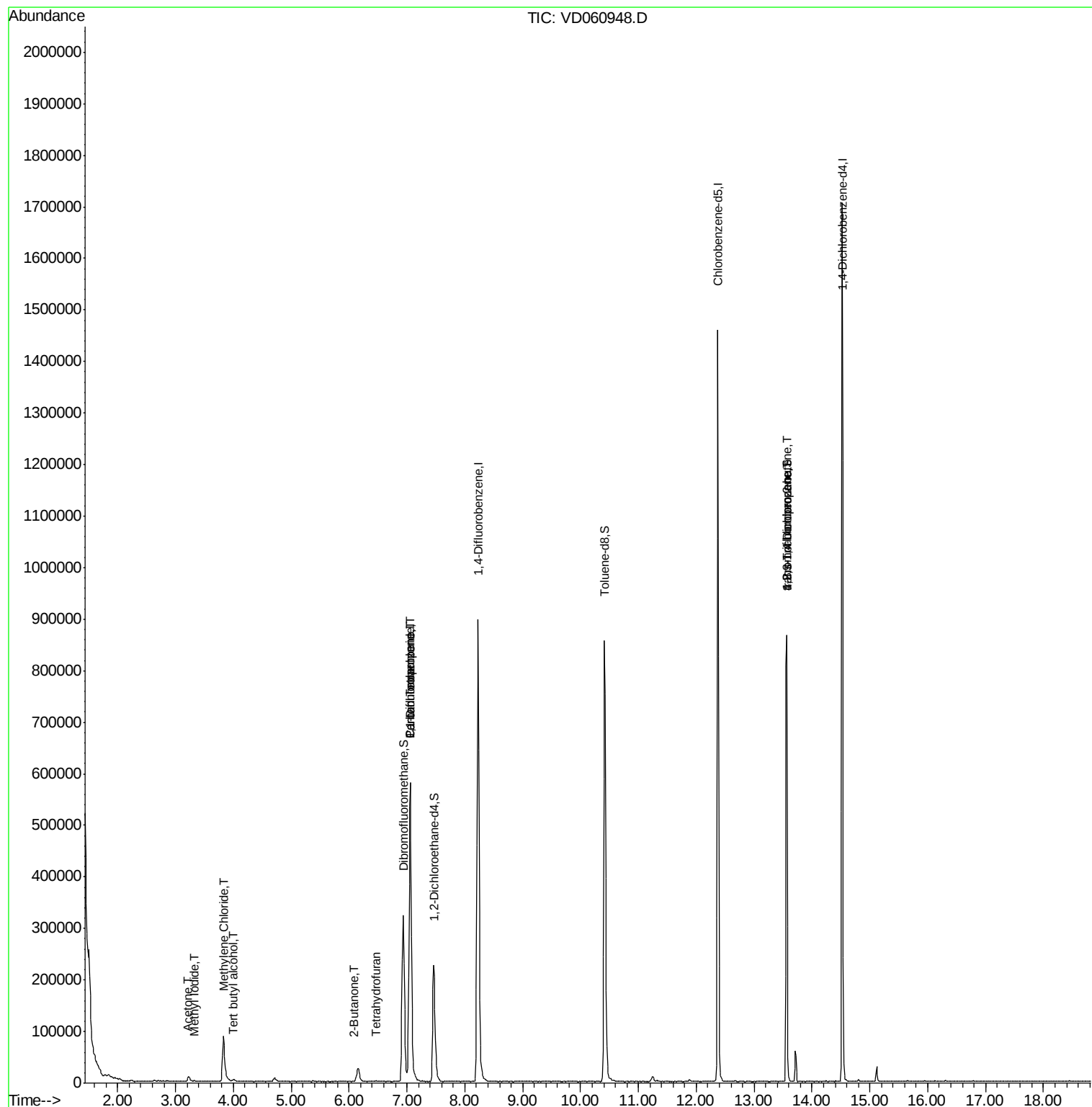
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	739	4.799	ug/l #	40
11) Tert butyl alcohol	4.00	59	3640	9.653	ug/l #	77
16) Acetone	3.23	43	21526	12.743	ug/l	99
20) Methylene Chloride	3.83	84	66989	5.094	ug/l	98
25) 2-Butanone	6.08	43	2349	1.121	ug/l #	55
29) Tetrahydrofuran	6.47	42	2021	1.874	ug/l #	50
36) 1,1-Dichloropropene	7.06	75	45185	4.640	ug/l #	47
38) Carbon Tetrachloride	7.06	117	57488	5.495	ug/l #	17
76) 1,2,3-Trichloropropane	13.55	75	95473	14.941	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	109409	57.856	ug/l #	20
89) n-Butylbenzene	14.81	91	1369	Below Cal	#	75

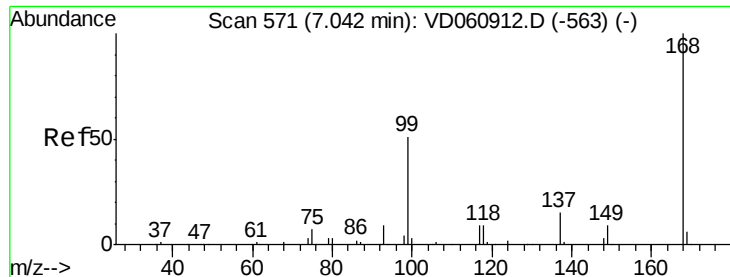
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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Operator : VA/AP
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Quant Time: Mar 06 04:07:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

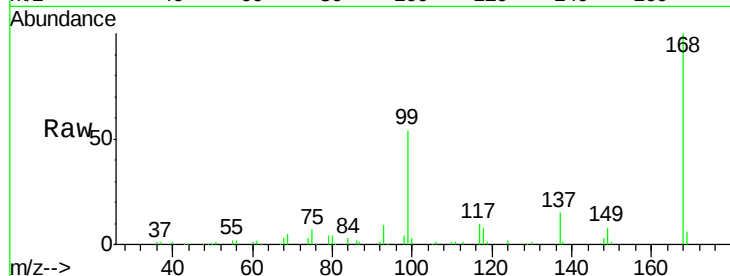
SB-A-14-18

Tot Ion:168 Resp: 612008

Ion Ratio Lower Upper

168 100

99 54.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

150000

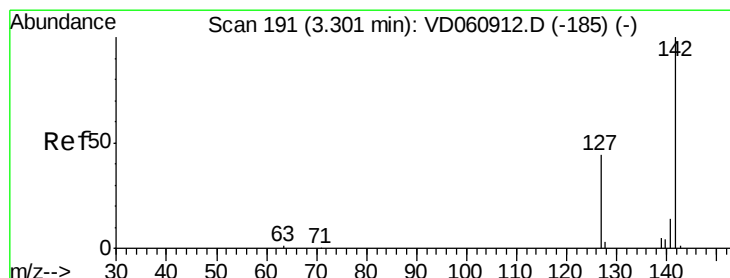
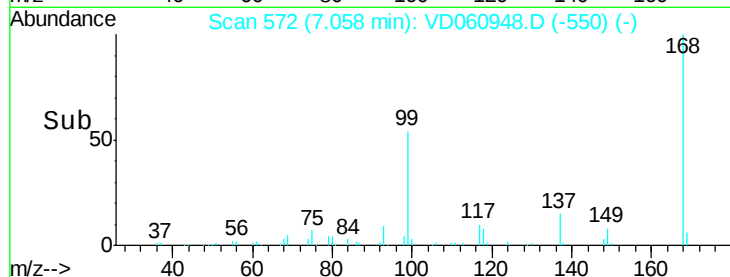
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.799 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

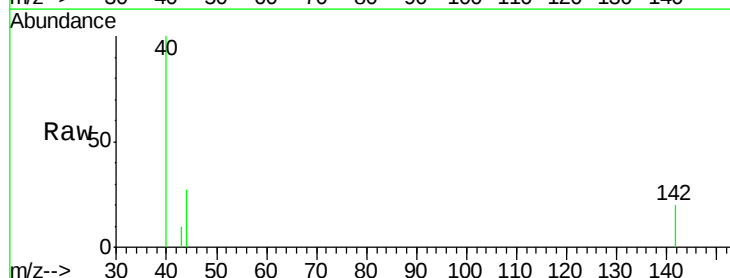
Tgt Ion:142 Resp: 739

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.6#

141 0.0 11.0 16.4#



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

800

600

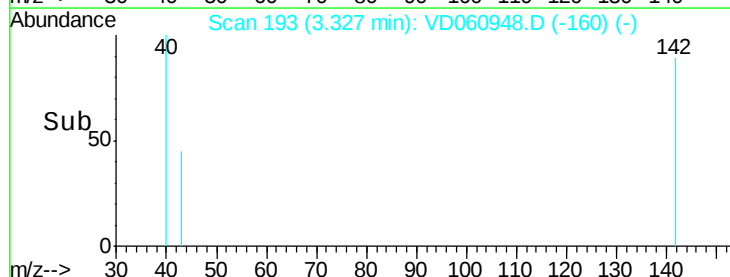
400

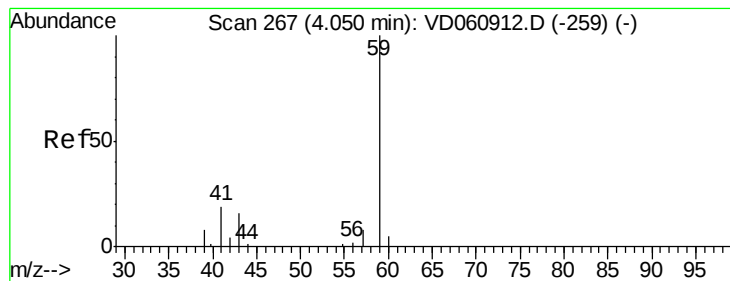
200

0

Time-->

3.30 3.35



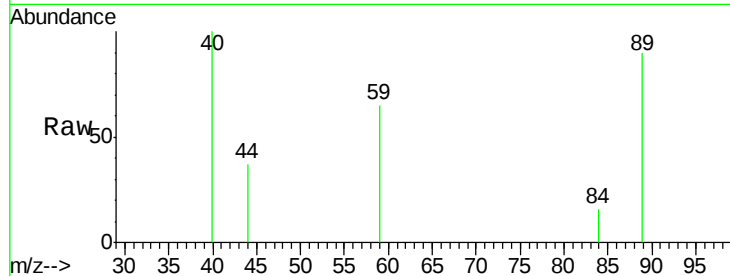


#11

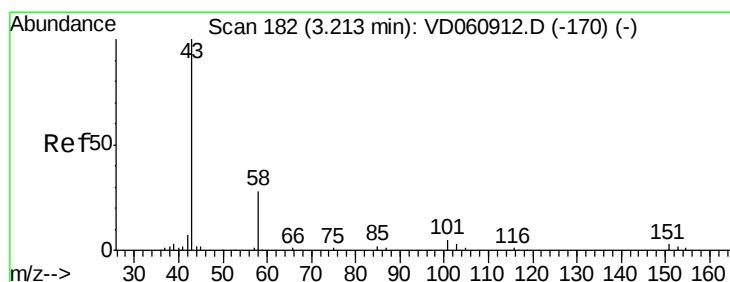
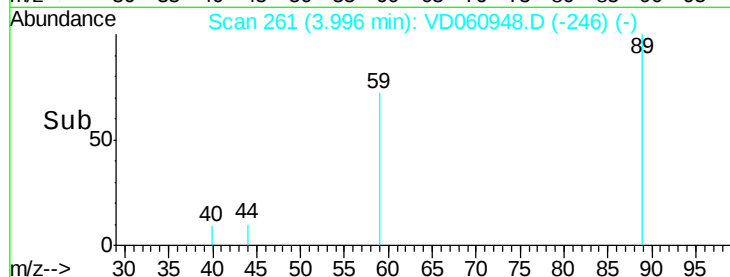
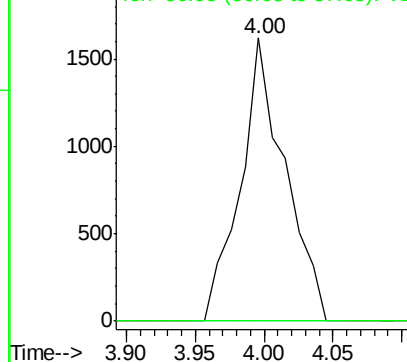
Tert butyl alcohol
 Concen: 9.653 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.05 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-14-18

Tot Ion: 59 Resp: 3640
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



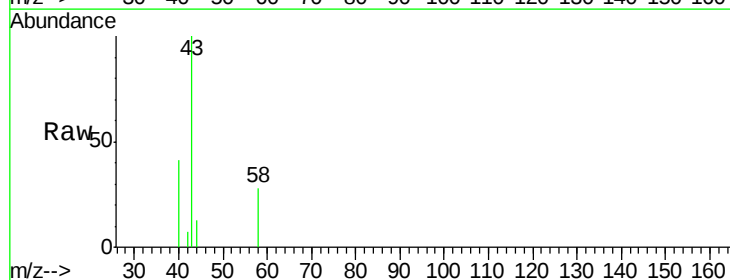
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



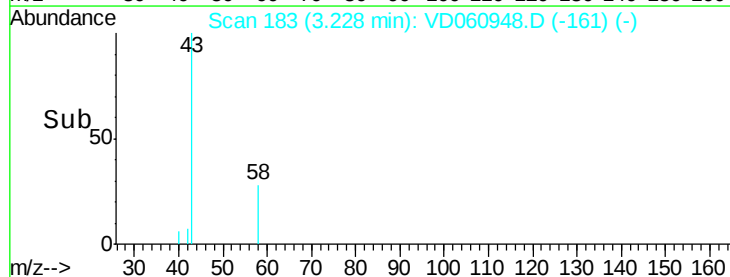
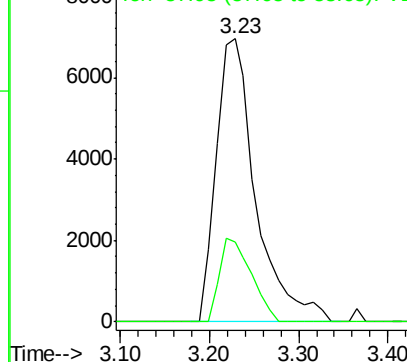
#16

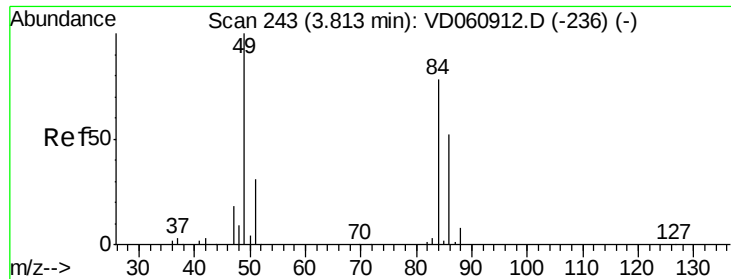
Acetone
 Concen: 12.743 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.02 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

Tgt Ion: 43 Resp: 21526
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.8 34.2



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

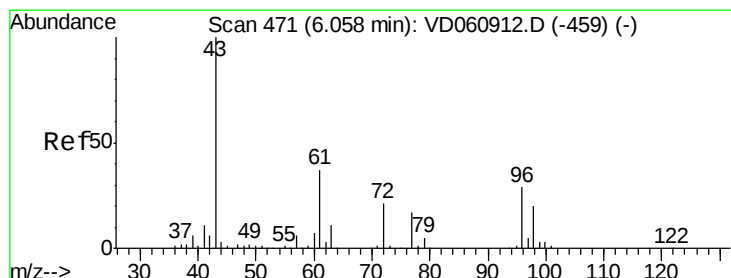
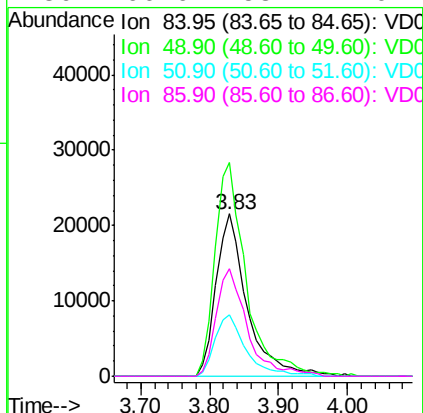
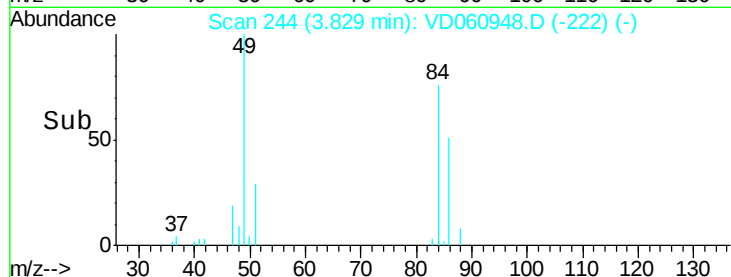
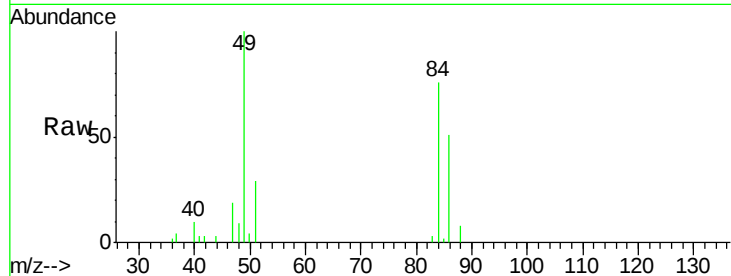




#20
Methylene Chloride
Concen: 5.094 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD060948.D
Acq: 5 Mar 2019 14:58

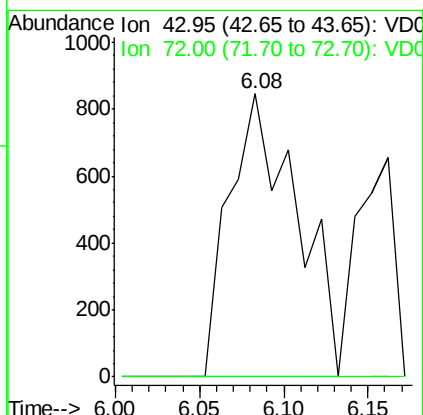
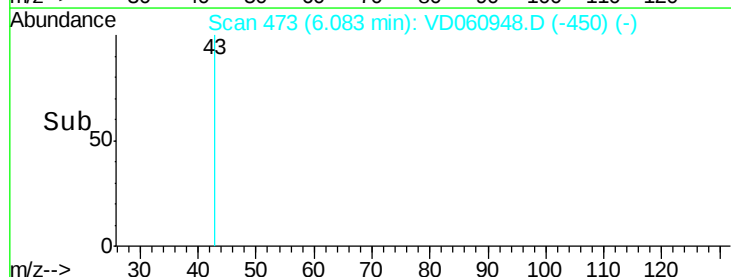
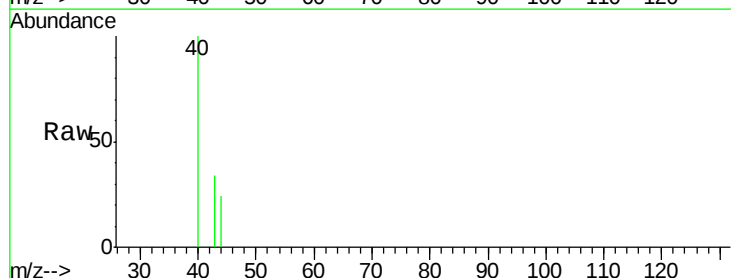
Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

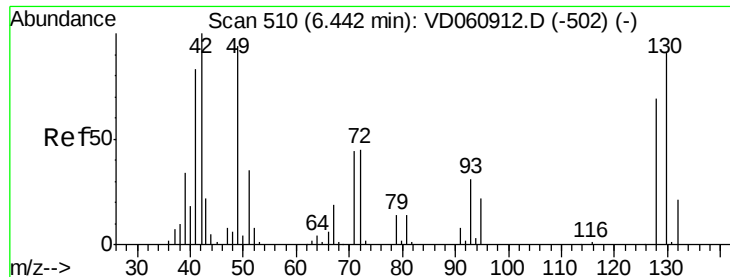
Tot Ion: 84 Resp: 66989
Ion Ratio Lower Upper
84 100
49 131.6 102.4 153.6
51 37.6 31.9 47.9
86 66.6 53.1 79.7



#25
2-Butanone
Concen: 1.121 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.03 min
Lab File: VD060948.D
Acq: 5 Mar 2019 14:58

Tgt Ion: 43 Resp: 2349
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#





#29

Tetrahydrofuran

Concen: 1.874 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

SB-A-14-18

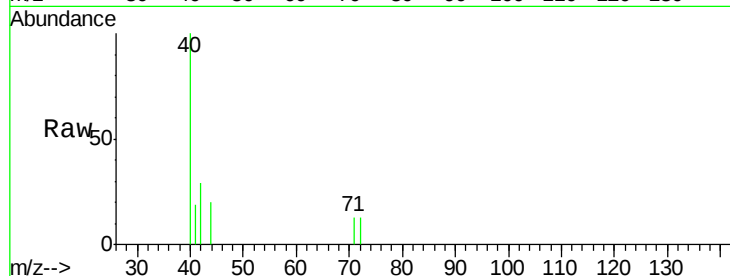
Tot Ion: 42 Resp: 2021

Ion Ratio Lower Upper

42 100

72 10.2 33.8 50.6#

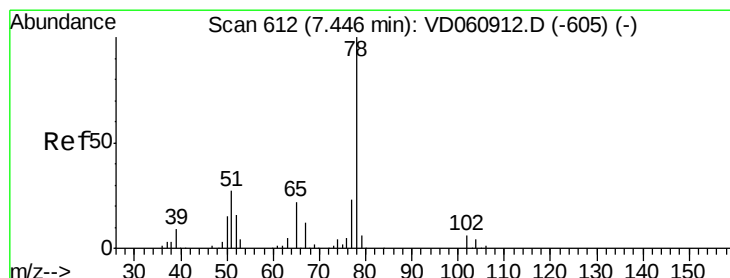
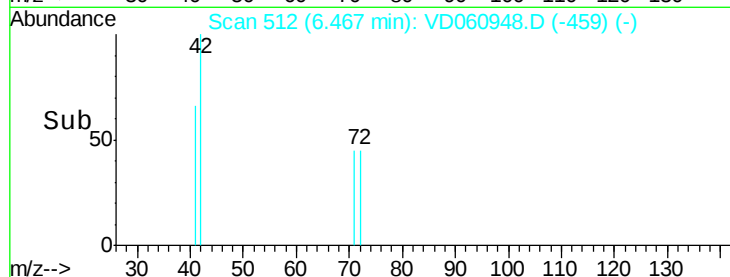
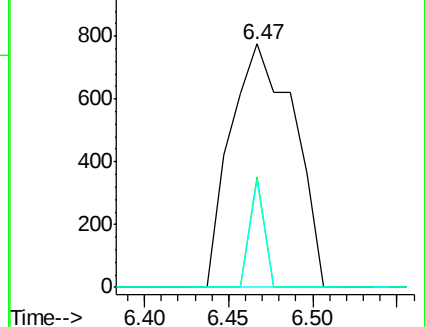
71 10.1 33.5 50.3#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD060948.D

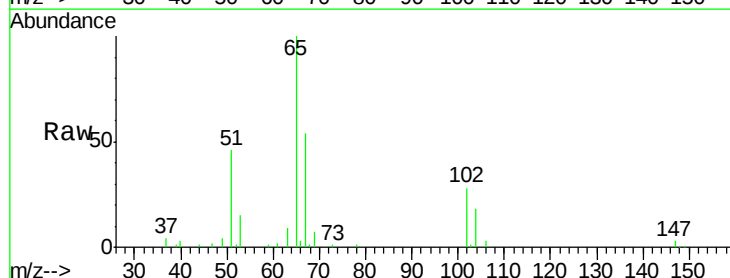
Acq: 5 Mar 2019 14:58

Tgt Ion: 65 Resp: 205122

Ion Ratio Lower Upper

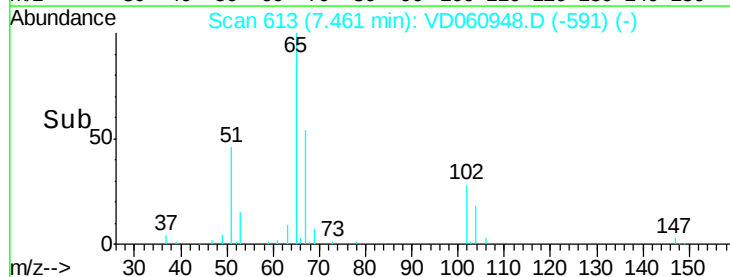
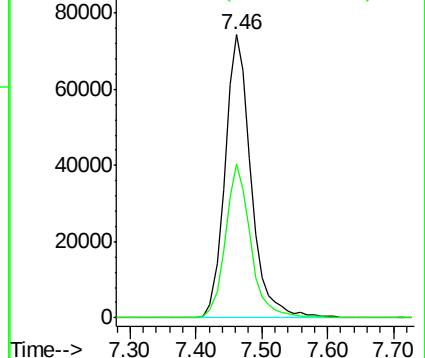
65 100

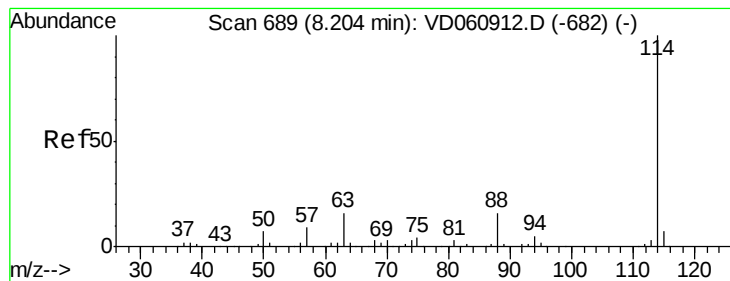
67 54.3 0.0 109.4



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: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleID :

SB-A-14-18

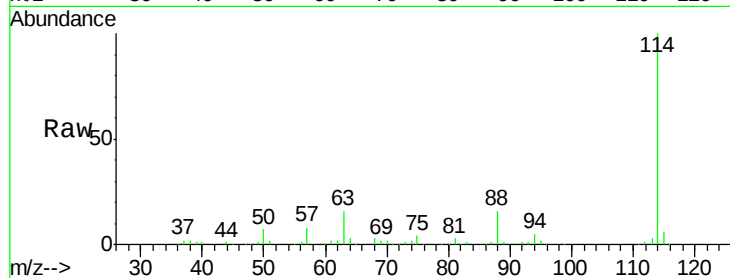
Tot Ion:114 Resp: 1059155

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.0

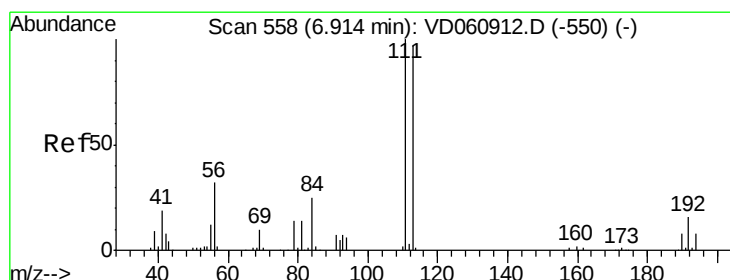
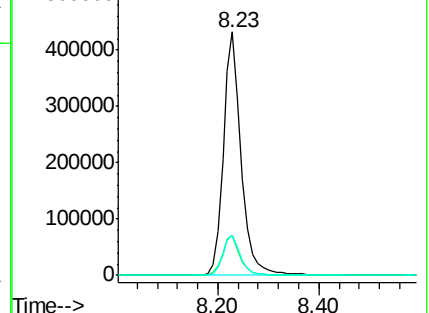
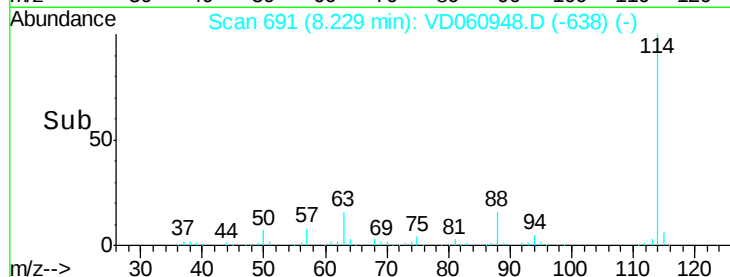
88 16.3 0.0 32.8



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: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

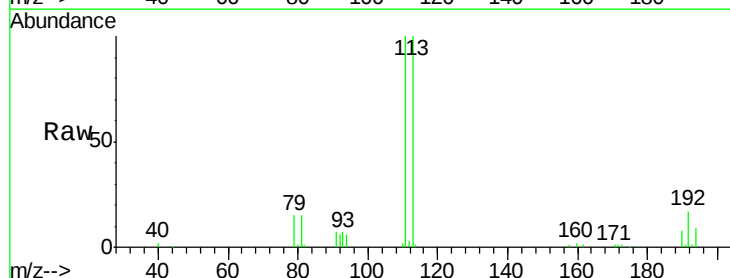
Tgt Ion:113 Resp: 319597

Ion Ratio Lower Upper

113 100

111 99.5 82.6 124.0

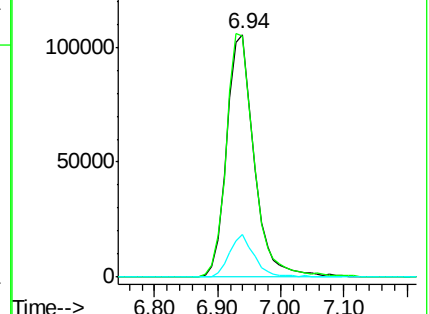
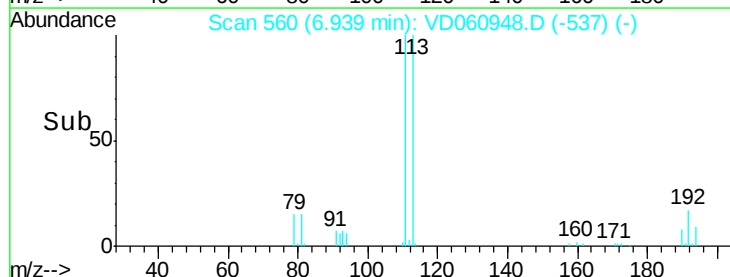
192 17.3 13.4 20.2

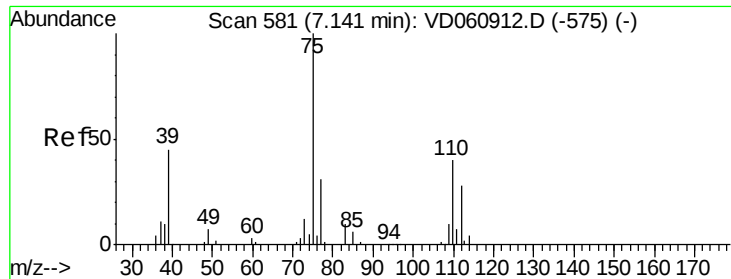


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

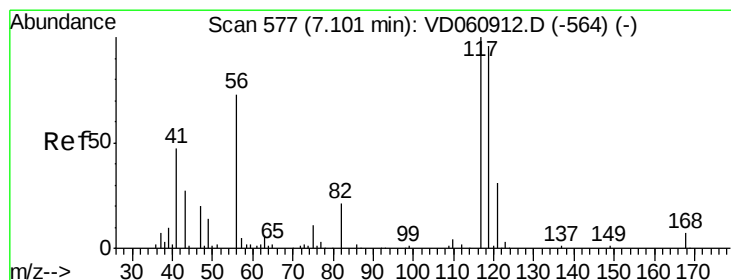
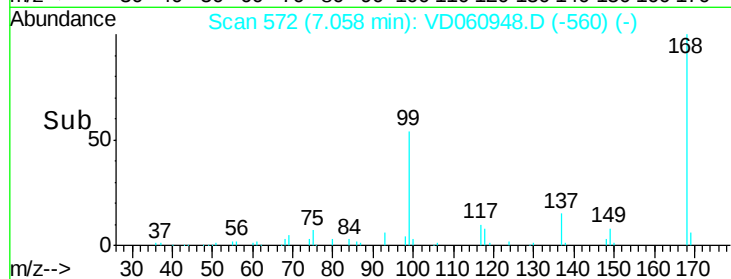
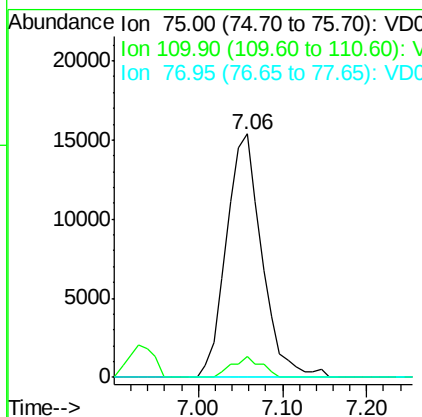
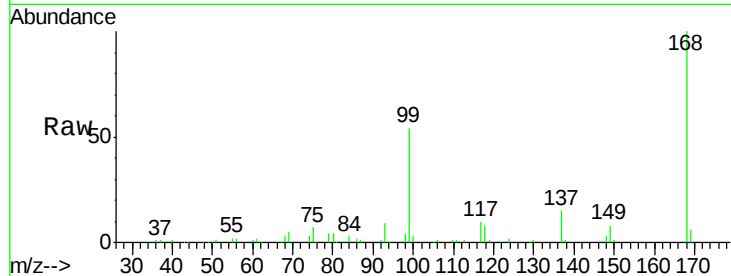




#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

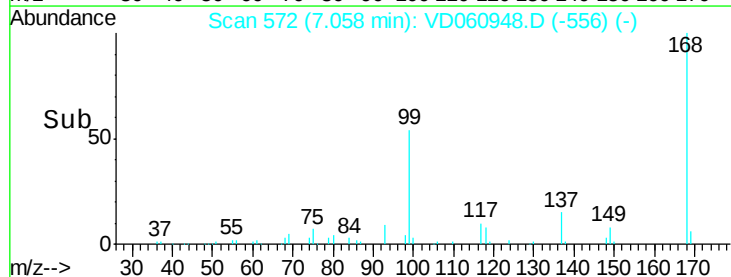
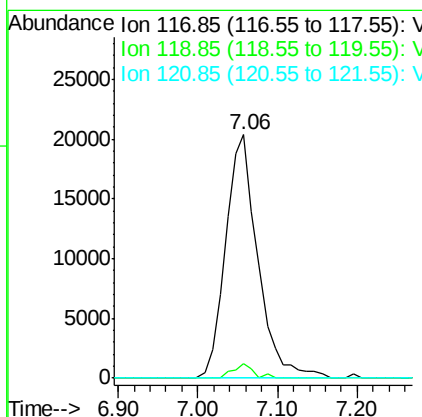
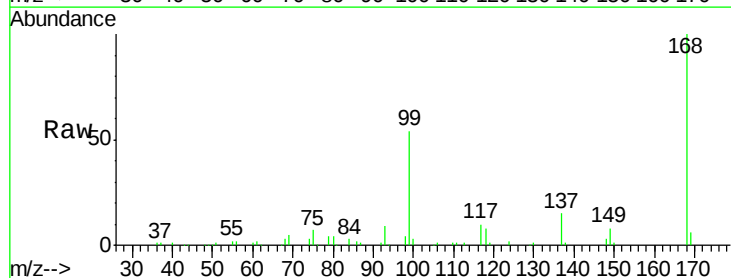
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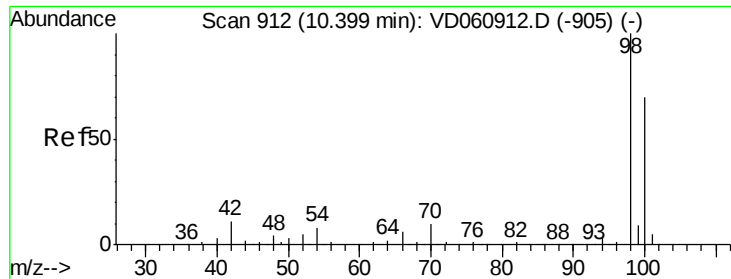
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.9	59.7#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.495 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.9	115.3#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

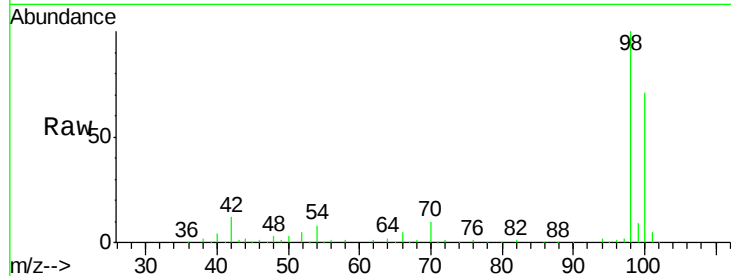
SB-A-14-18

Tot Ion: 98 Resp: 732544

Ion Ratio Lower Upper

98 100

100 70.6 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

10.41

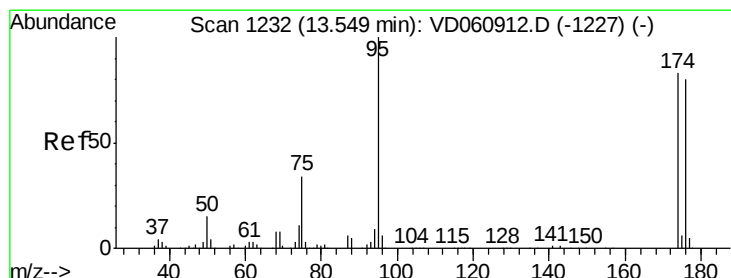
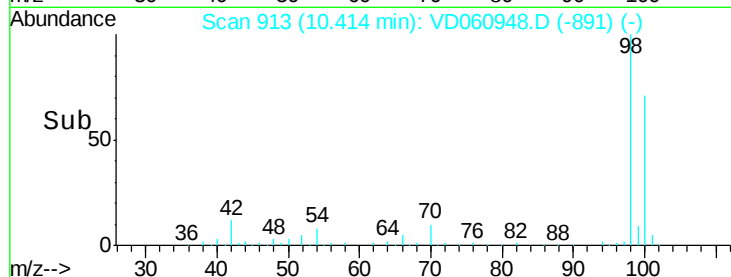
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD060948.D

Acq: 5 Mar 2019 14:58

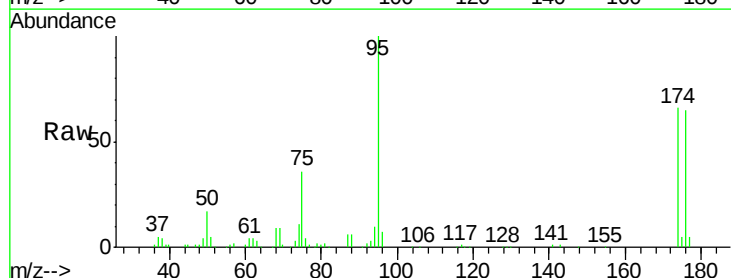
Tgt Ion: 95 Resp: 299125

Ion Ratio Lower Upper

95 100

174 65.6 0.0 165.6

176 65.0 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)

13.55

250000

200000

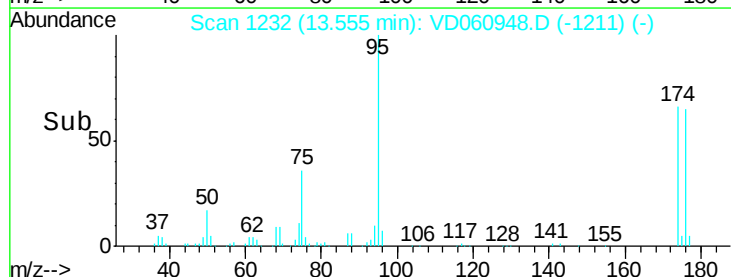
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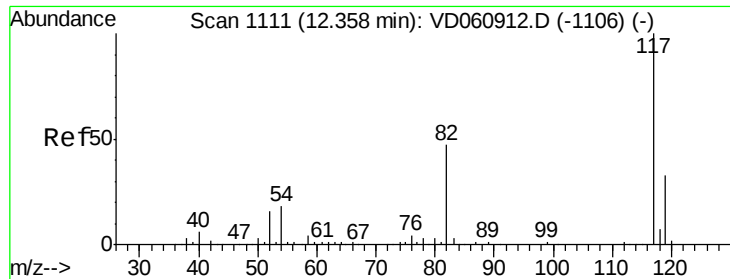
100000

50000

0

Time-->

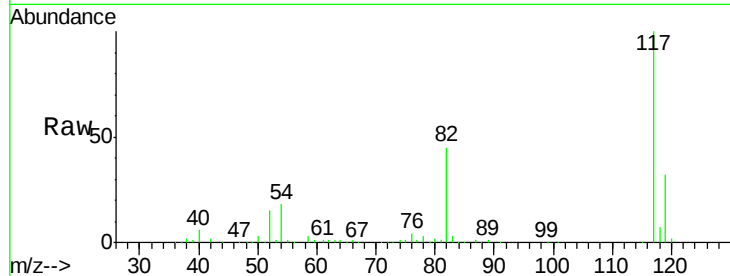




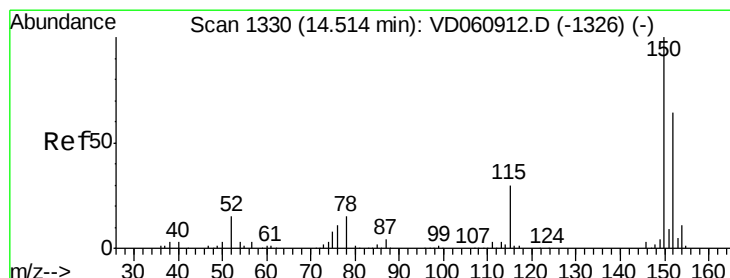
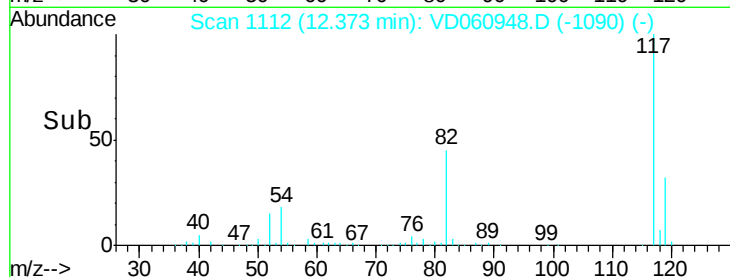
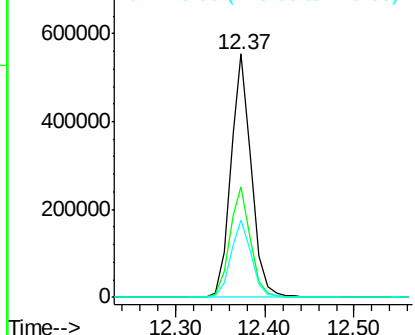
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD060948.D
Acq: 5 Mar 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
SB-A-14-18

Tot Ion:117 Resp: 894272
Ion Ratio Lower Upper
117 100
82 45.5 37.5 56.3
119 31.9 26.2 39.2

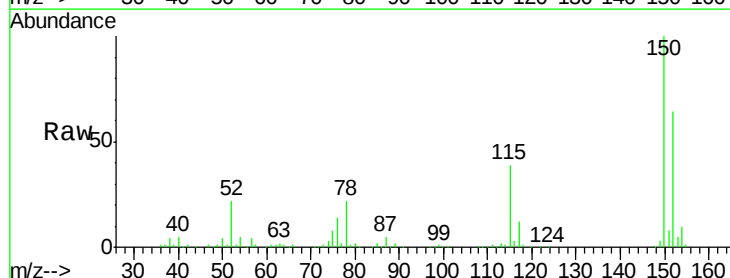


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

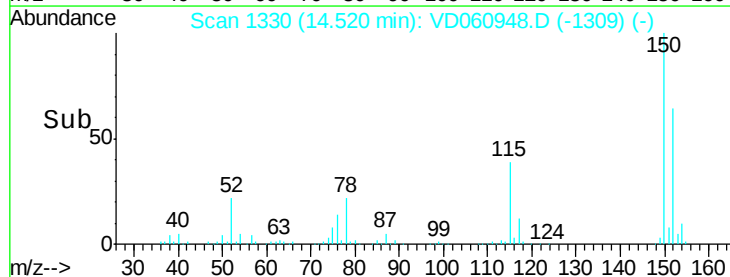
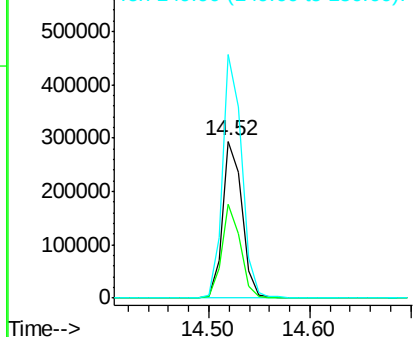


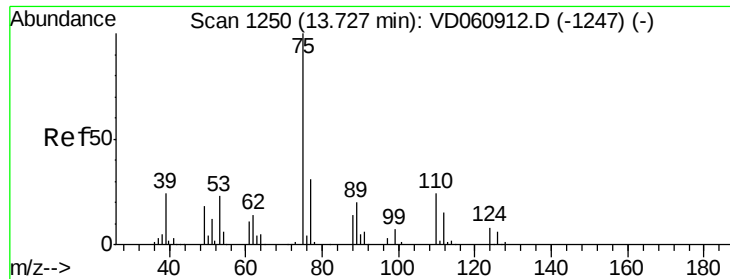
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD060948.D
Acq: 5 Mar 2019 14:58

Tgt Ion:152 Resp: 394363
Ion Ratio Lower Upper
152 100
115 60.2 27.6 82.8
150 155.1 0.0 312.8



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

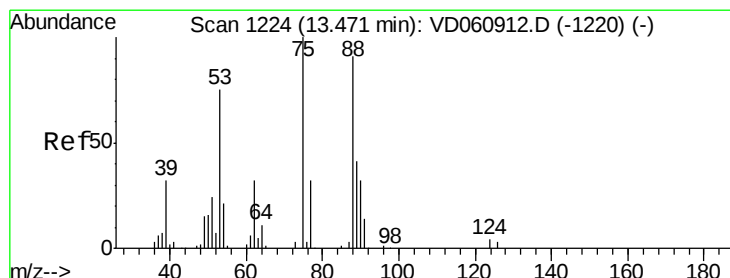
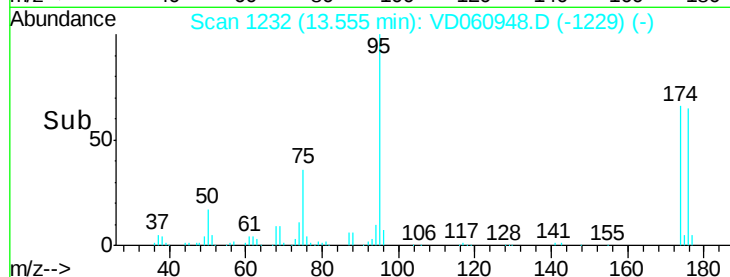
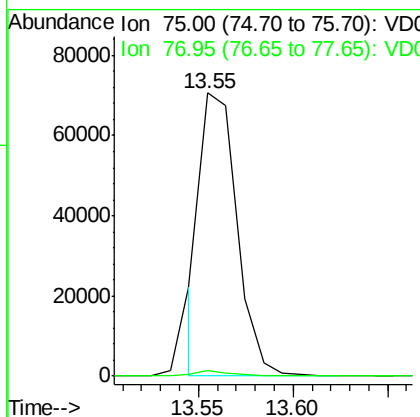
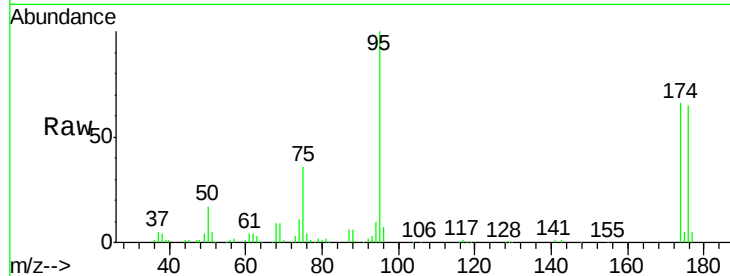




#76
 1,2,3-Trichloropropane
 Concen: 14.941 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-14-18

Tot Ion: 75 Resp: 95473
 Ion Ratio Lower Upper
 75 100
 77 1.8 16.2 48.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.856 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD060948.D
 Acq: 5 Mar 2019 14:58

Tgt Ion: 75 Resp: 109409
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.6#
 89 0.0 33.0 49.6#

