

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060936.D
 Acq On : 4 Mar 2019 21:04
 Operator : VA/AP
 Sample : K1714-09
 Misc : 5.73g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-5-8

Quant Time: Mar 05 01:35:00 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	530003	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	905766	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	802659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	351749	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	229423	52.36	ug/l	0.02
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	6.93	113	361965	49.85	ug/l	0.02
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.42	98	788821	43.66	ug/l	0.02
Spiked Amount			Recovery	=	87.32%	
62) 4-Bromofluorobenzene	13.56	95	331779	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

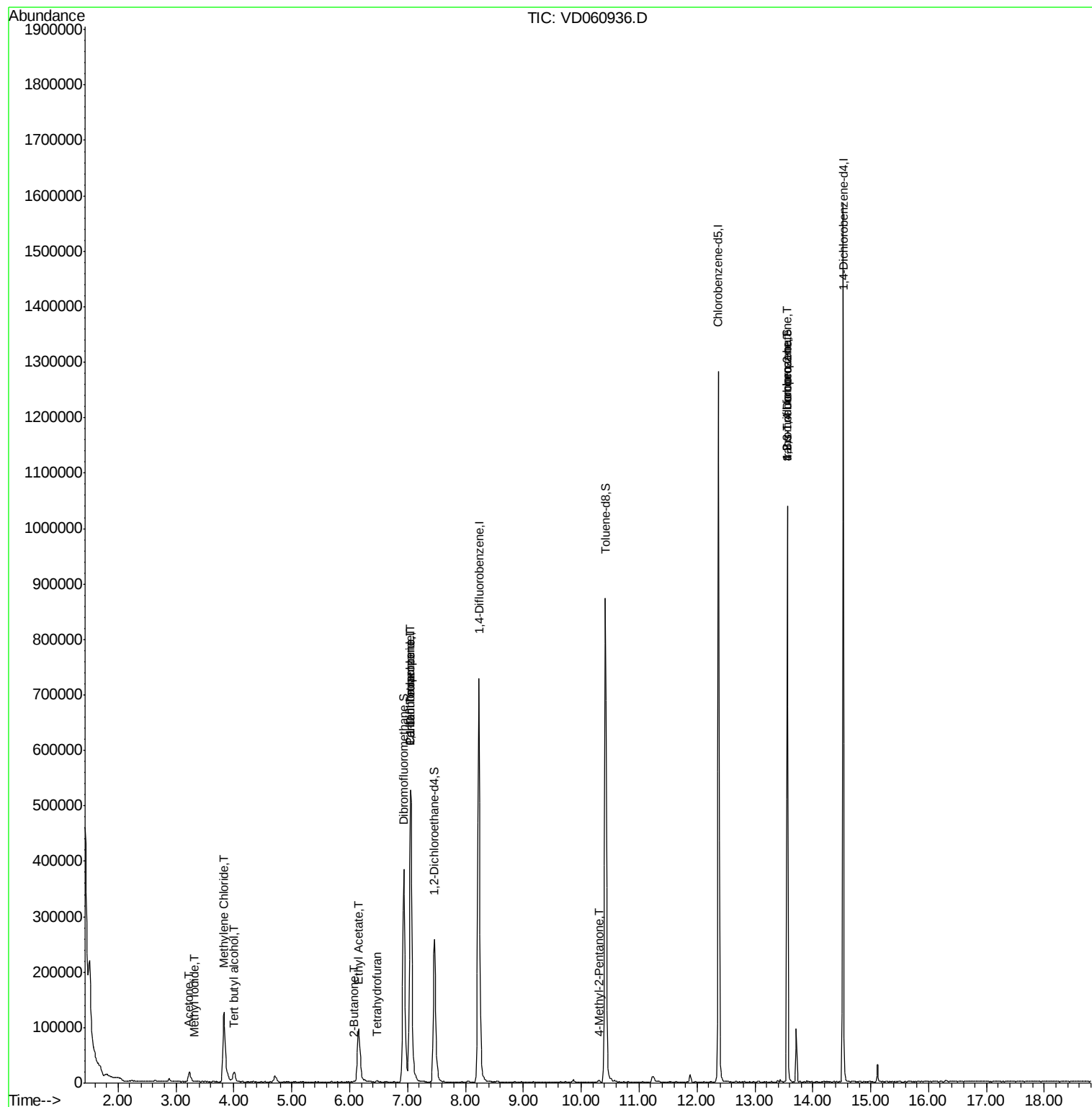
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	184	4.759	ug/l #	40
11) Tert butyl alcohol	4.01	59	16287	49.875	ug/l #	77
16) Acetone	3.23	43	40842	27.918	ug/l	93
20) Methylene Chloride	3.83	84	102910	12.066	ug/l	96
25) 2-Butanone	6.08	43	2808	1.547	ug/l #	55
29) Tetrahydrofuran	6.46	42	2197	2.352	ug/l #	68
36) 1,1-Dichloropropene	7.05	75	39372	4.728	ug/l #	44
37) Ethyl Acetate	6.15	43	6149	1.436	ug/l #	30
38) Carbon Tetrachloride	7.05	117	52476	5.865	ug/l #	15
51) 4-Methyl-2-Pentanone	10.31	43	3758	1.034	ug/l #	75
76) 1,2,3-Trichloropropane	13.56	75	87028	15.270	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	121347	71.943	ug/l #	20
89) n-Butylbenzene	14.80	91	936	Below Cal	#	29

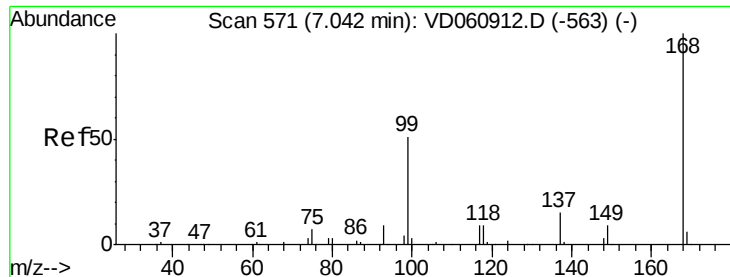
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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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# 573

Delta R.T. 0.02 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

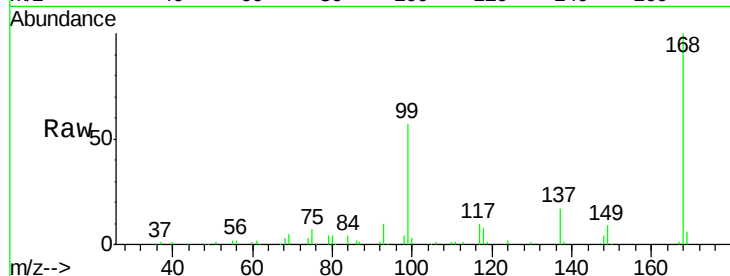
SB-B-5-8

Tot Ion:168 Resp: 530003

Ion Ratio Lower Upper

168 100

99 56.7 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

200000

150000

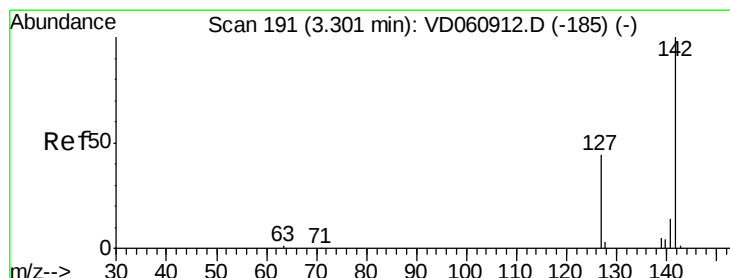
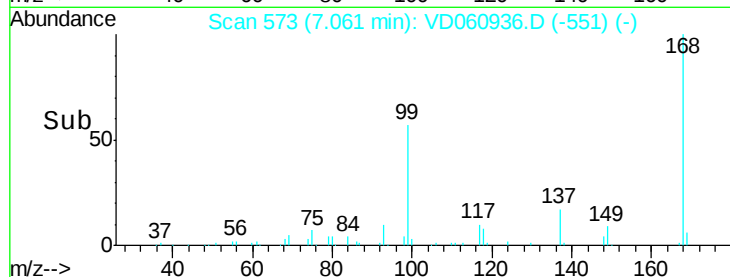
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 4.759 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

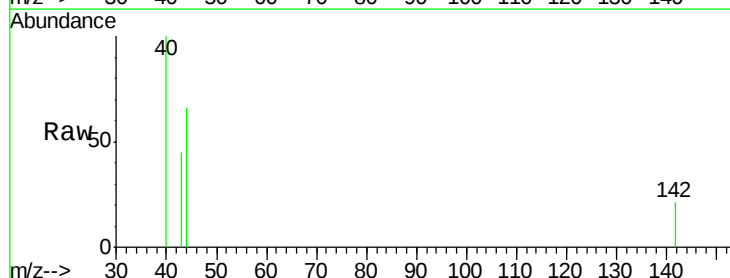
Tgt Ion:142 Resp: 184

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

3.32

400

300

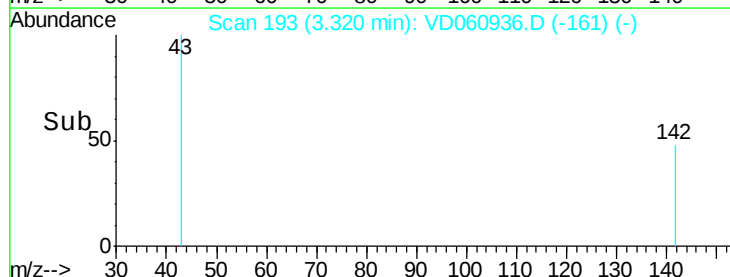
200

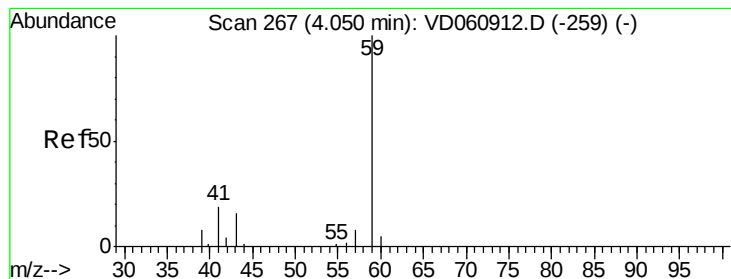
100

0

3.30 3.32 3.34

Time-->



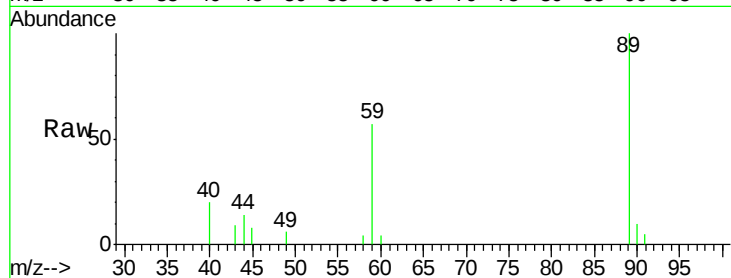


#11

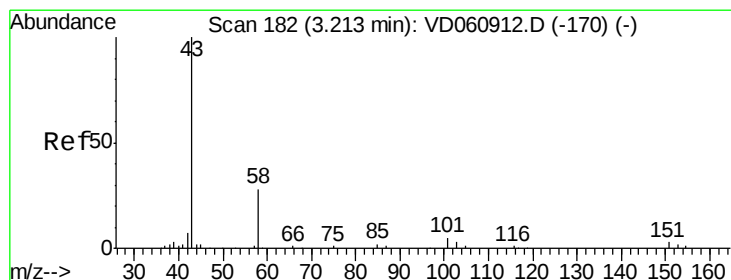
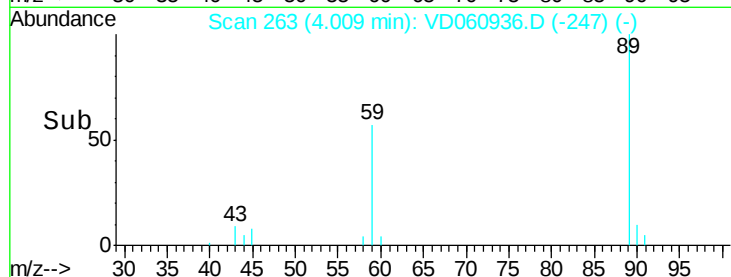
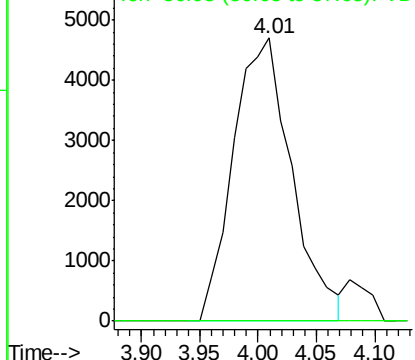
Tert butyl alcohol
 Concen: 49.875 ug/l
 RT: 4.01 min Scan# 263
 Delta R.T. -0.04 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampled :
 SB-B-5-8

Tot Ion: 59 Resp: 16287
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



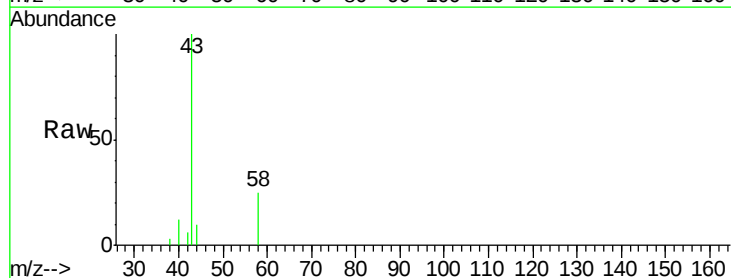
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



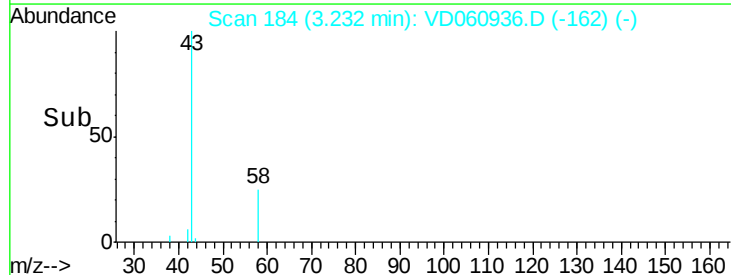
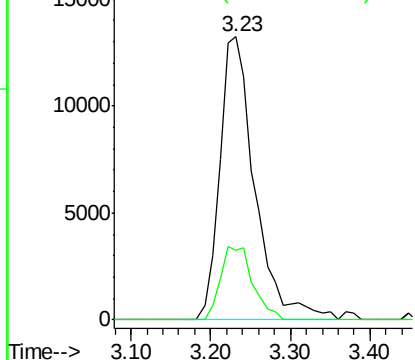
#16

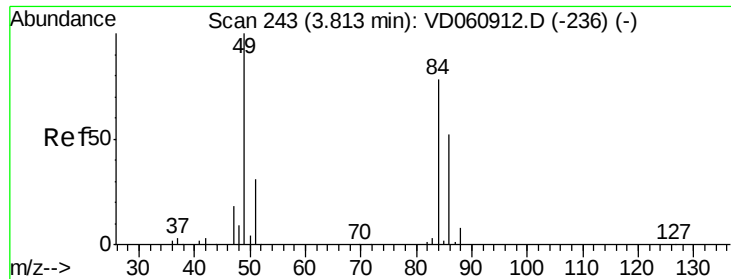
Acetone
 Concen: 27.918 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Tgt Ion: 43 Resp: 40842
 Ion Ratio Lower Upper
 43 100
 58 24.5 22.8 34.2



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

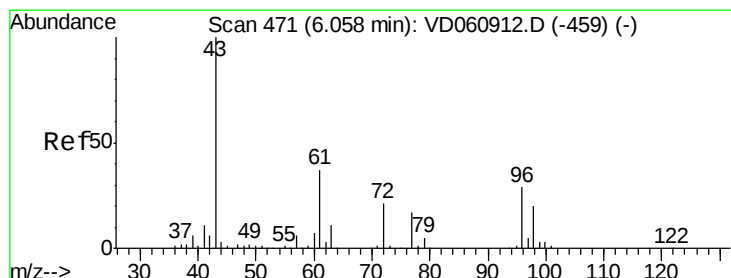
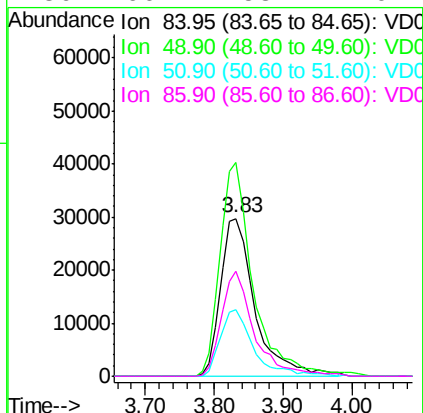
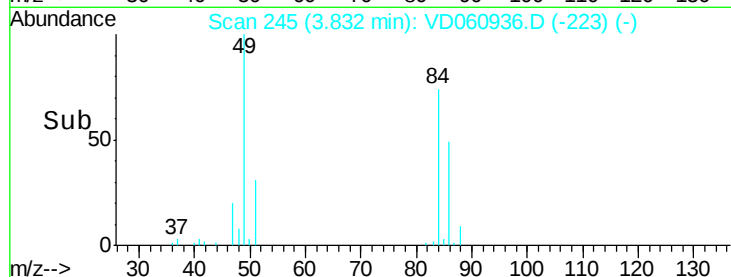
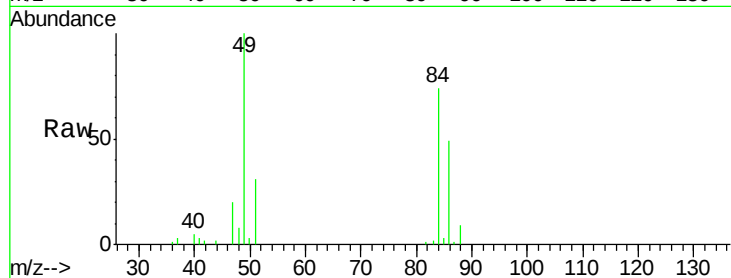




#20
Methylene Chloride
Concen: 12.066 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD060936.D
Acq: 4 Mar 2019 21:04

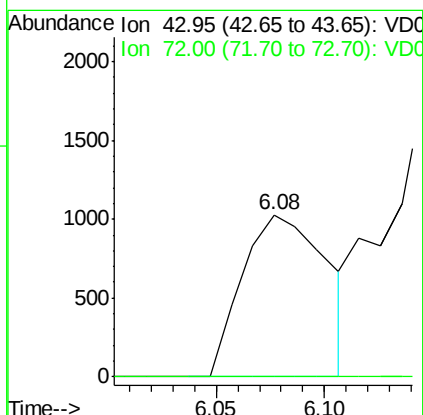
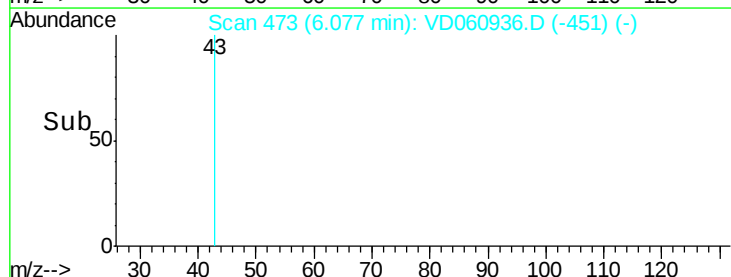
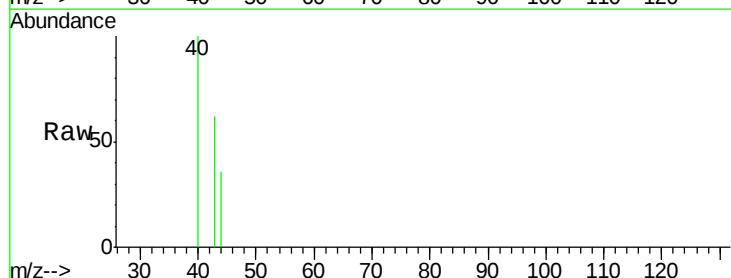
Instrument :
MSVOA_D
ClientSampleId :
SB-B-5-8

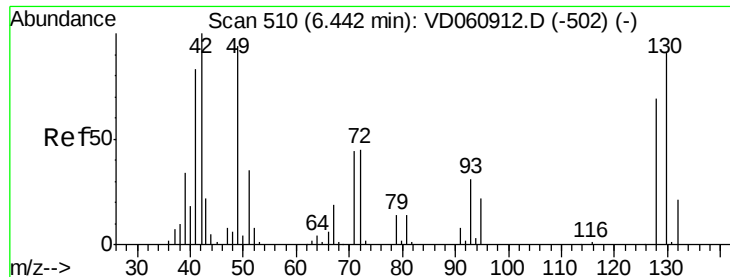
Tot Ion:	84	Resp:	102910
Ion	Ratio	Lower	Upper
84	100		
49	135.6	102.4	153.6
51	42.1	31.9	47.9
86	66.7	53.1	79.7



#25
2-Butanone
Concen: 1.547 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD060936.D
Acq: 4 Mar 2019 21:04

Tgt Ion:	43	Resp:	2808
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.4#





#29

Tetrahydrofuran

Concen: 2.352 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampled :

SB-B-5-8

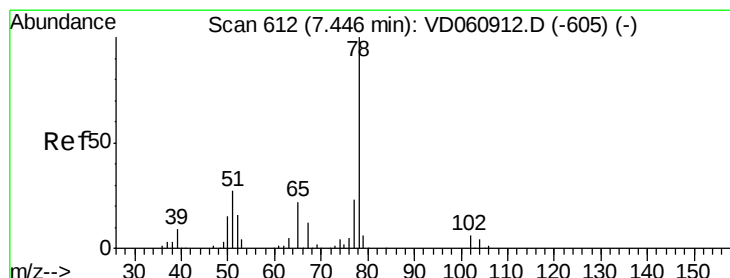
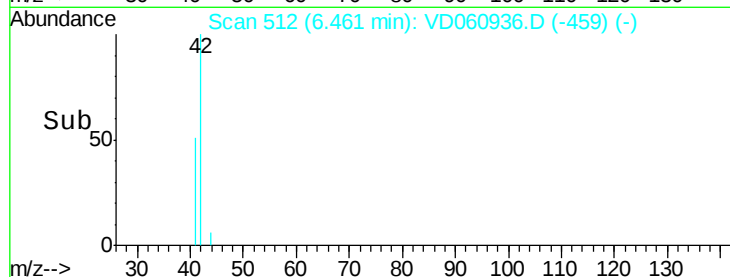
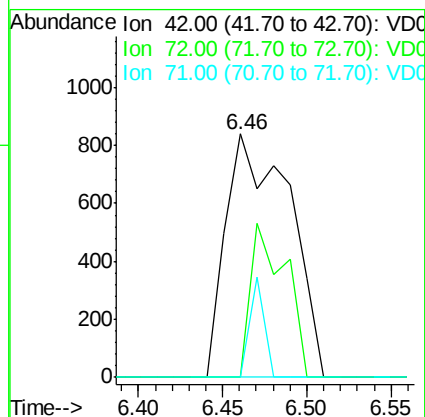
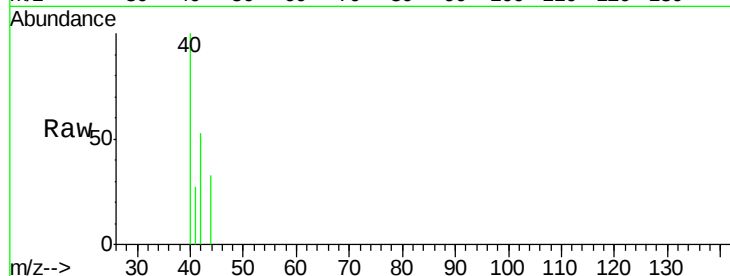
Tot Ion: 42 Resp: 2197

Ion Ratio Lower Upper

42 100

72 34.8 33.8 50.6

71 9.2 33.5 50.3#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060936.D

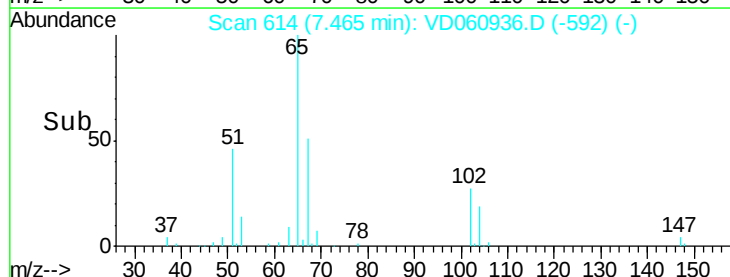
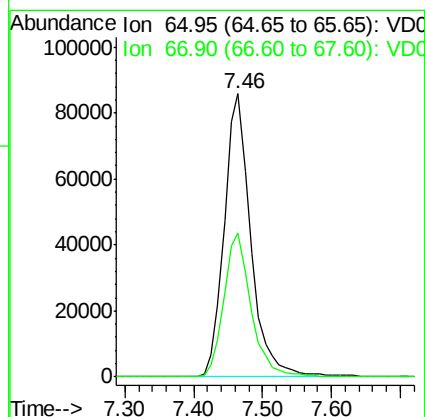
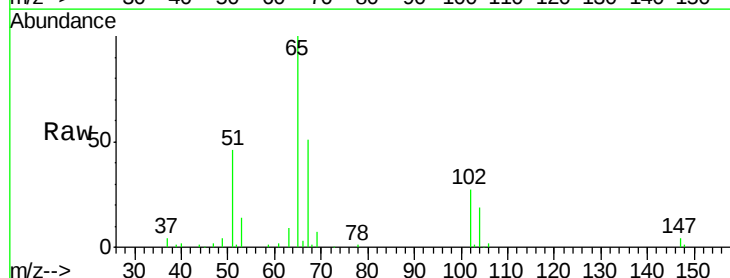
Acq: 4 Mar 2019 21:04

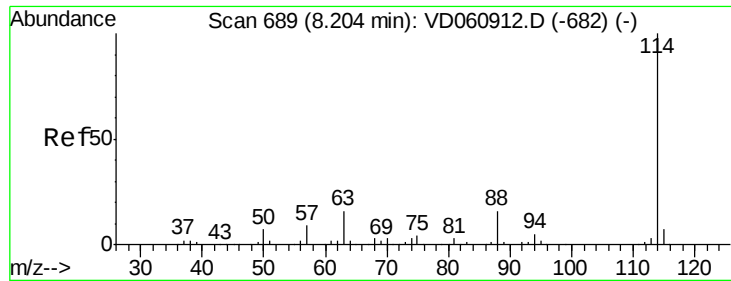
Tgt Ion: 65 Resp: 229423

Ion Ratio Lower Upper

65 100

67 50.7 0.0 109.4

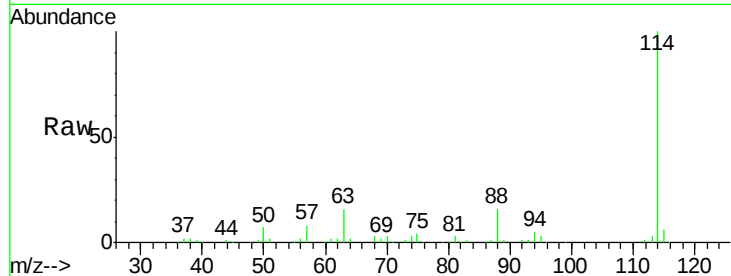




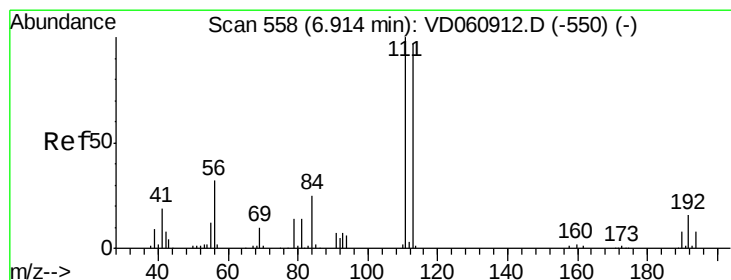
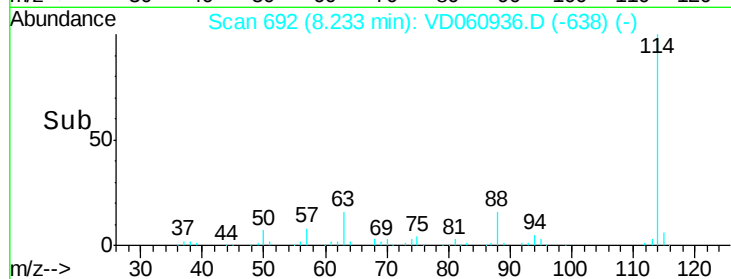
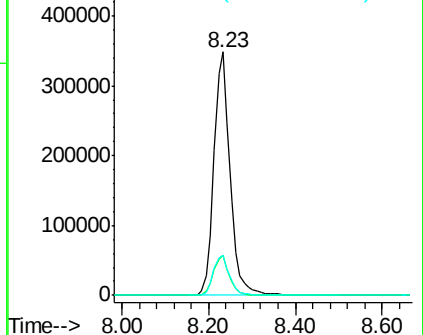
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-5-8

Tot Ion:114 Resp: 905766
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.0
 88 16.3 0.0 32.8

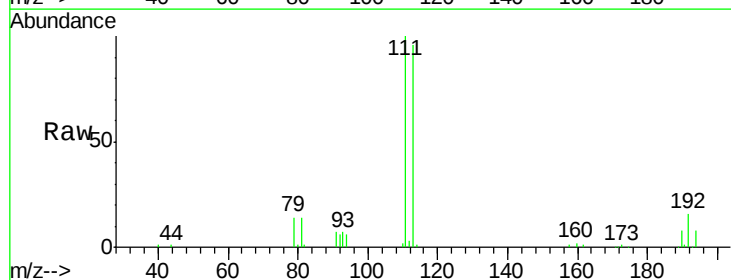


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

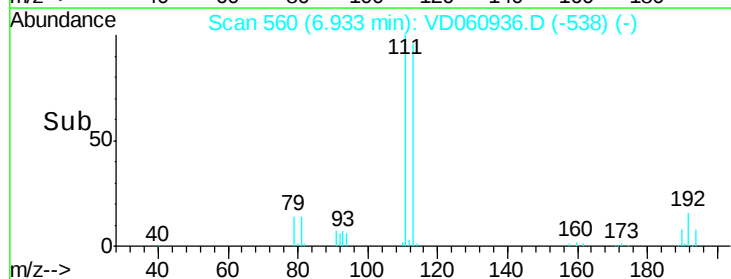
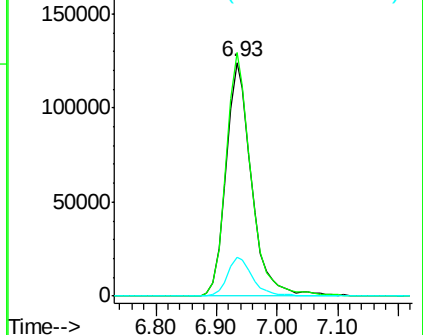


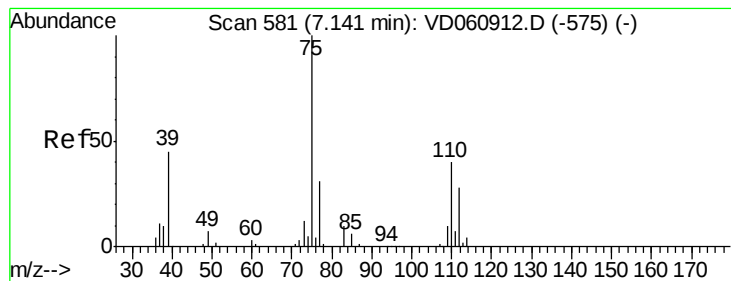
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Tgt Ion:113 Resp: 361965
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.6 124.0
 192 16.6 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: 4.728 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

SB-B-5-8

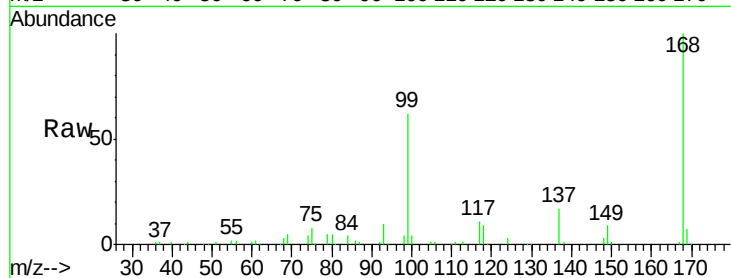
Tot Ion: 75 Resp: 39372

Ion Ratio Lower Upper

75 100

110 5.7 19.9 59.7#

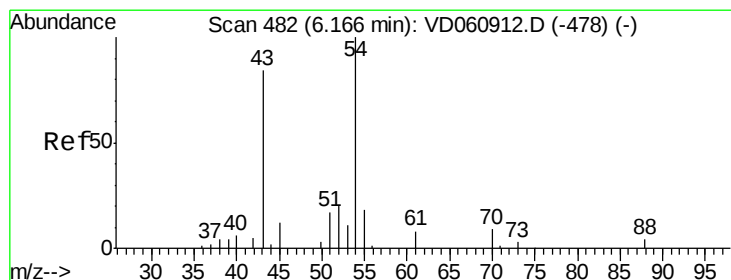
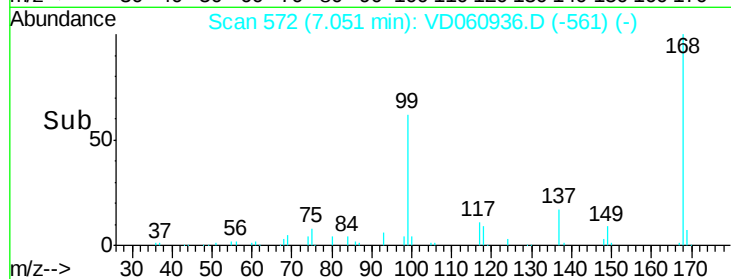
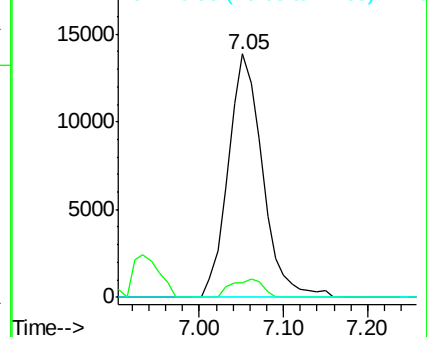
77 0.0 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.436 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.02 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

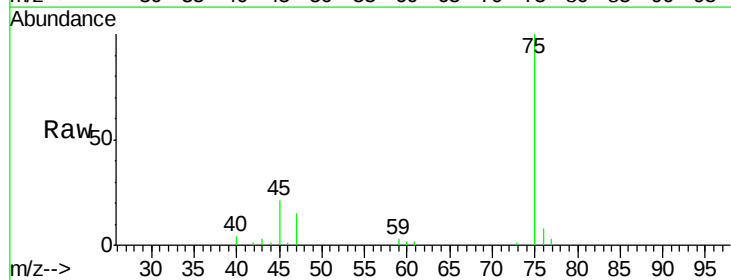
Tgt Ion: 43 Resp: 6149

Ion Ratio Lower Upper

43 100

61 55.4 12.1 18.1#

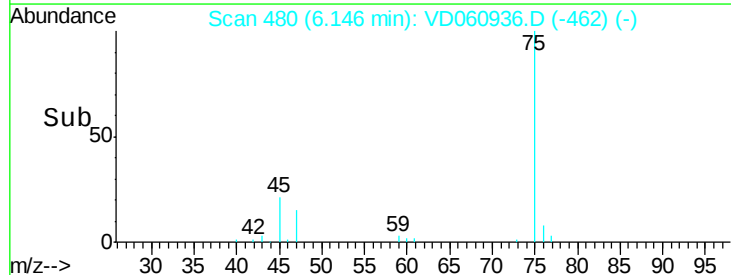
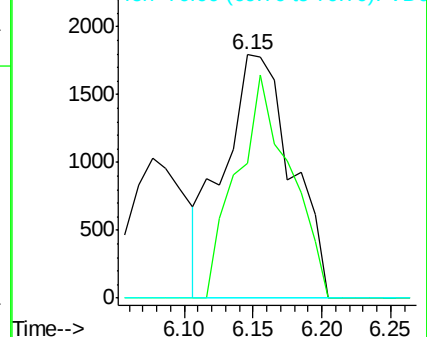
70 0.0 7.3 10.9#

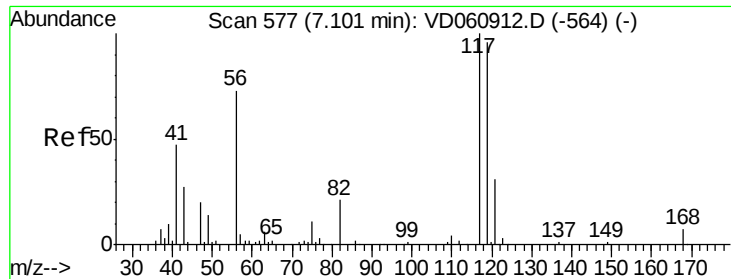


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.865 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

SB-B-5-8

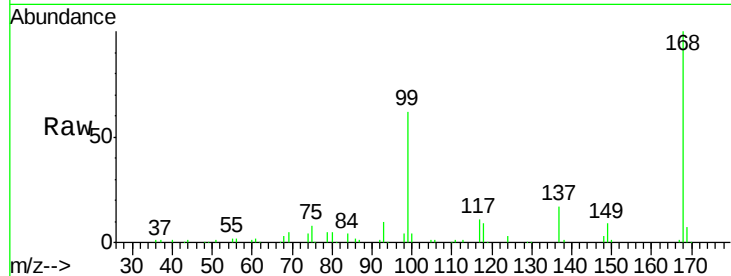
Tot Ion:117 Resp: 52476

Ion Ratio Lower Upper

117 100

119 4.0 76.9 115.3#

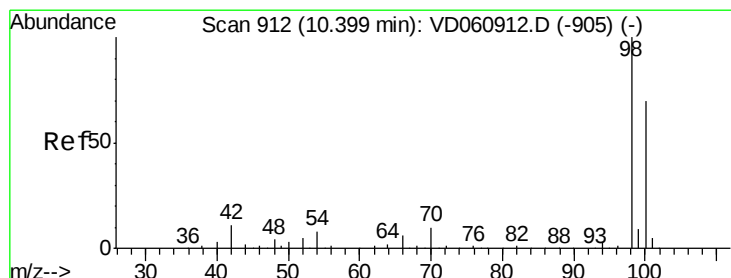
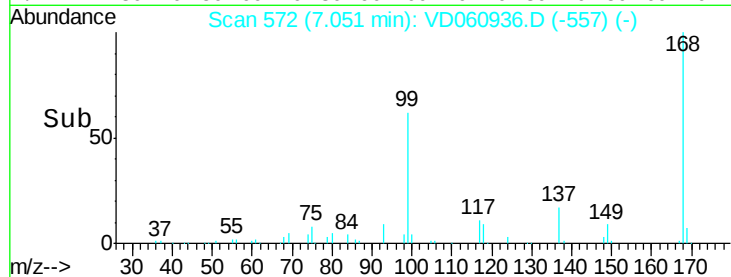
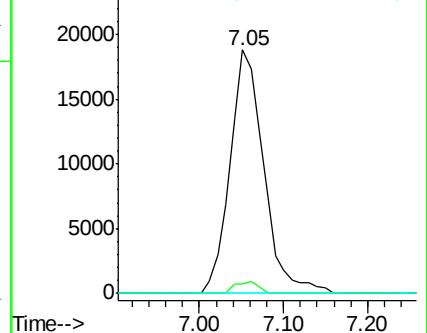
121 0.0 24.5 36.7#



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: VD060936.D

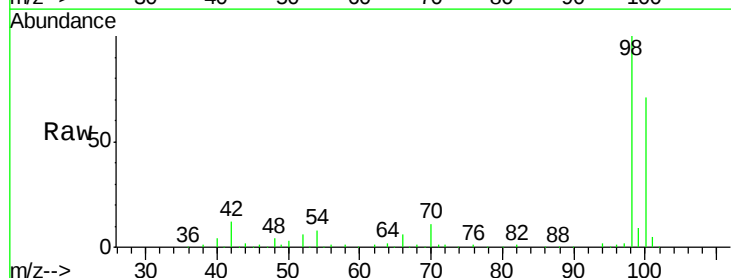
Acq: 4 Mar 2019 21:04

Tgt Ion: 98 Resp: 788821

Ion Ratio Lower Upper

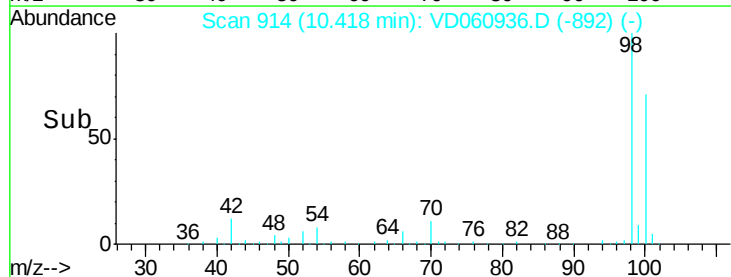
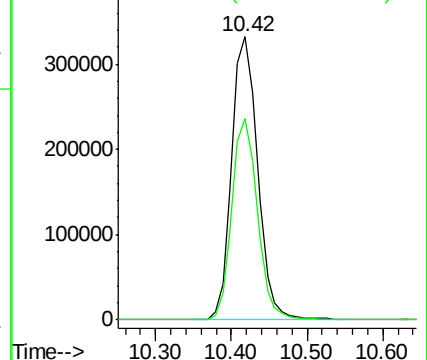
98 100

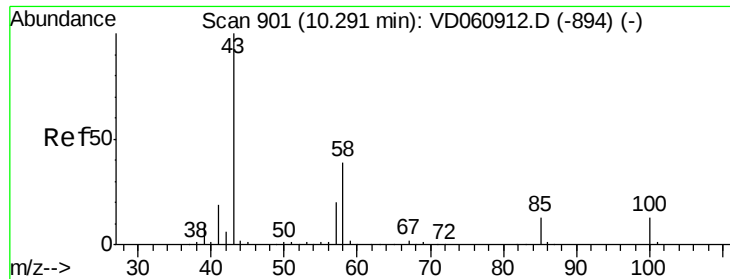
100 71.1 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

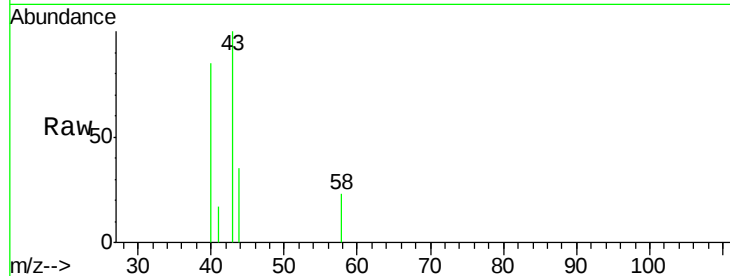
SB-B-5-8

Tot Ion: 43 Resp: 3758

Ion Ratio Lower Upper

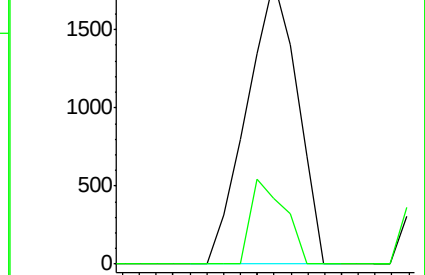
43 100

58 23.3 31.0 46.6#

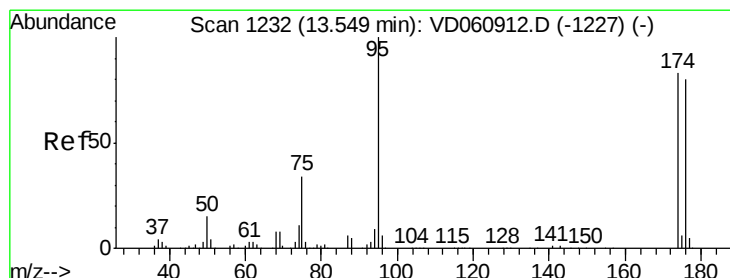
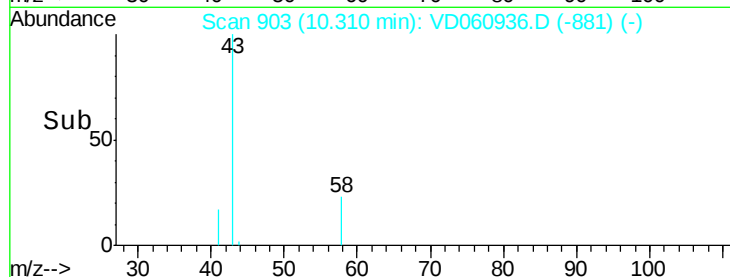


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060936.D

Acq: 4 Mar 2019 21:04

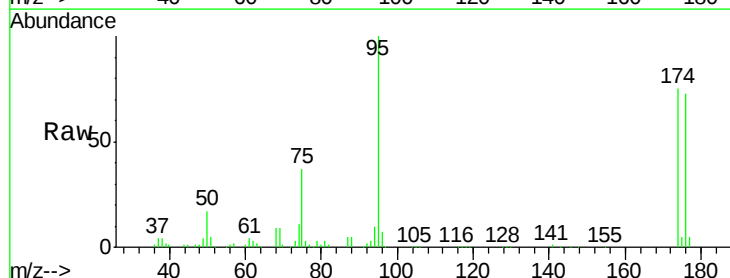
Tgt Ion: 95 Resp: 331779

Ion Ratio Lower Upper

95 100

174 74.9 0.0 165.6

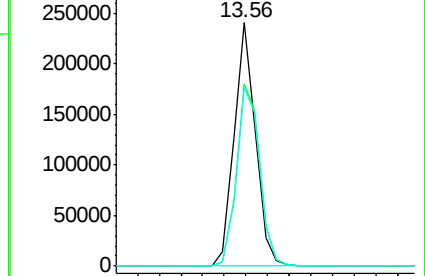
176 73.1 0.0 160.6



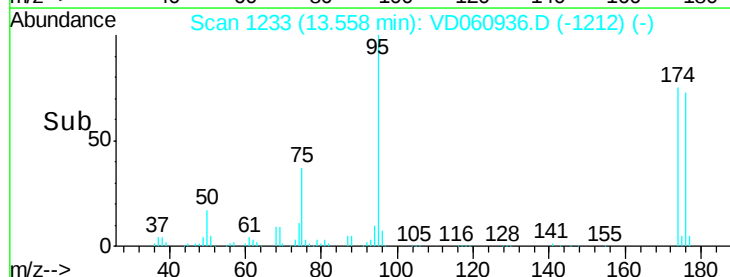
Abundance Ion 95.00 (94.70 to 95.70): VDC

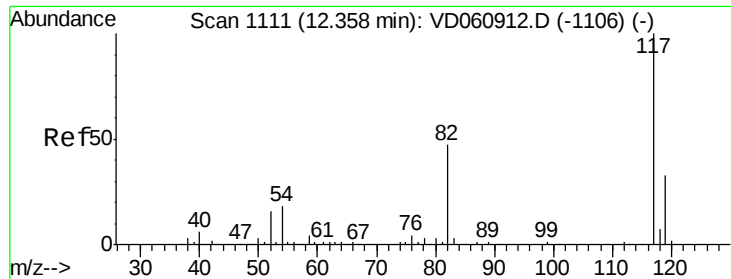
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

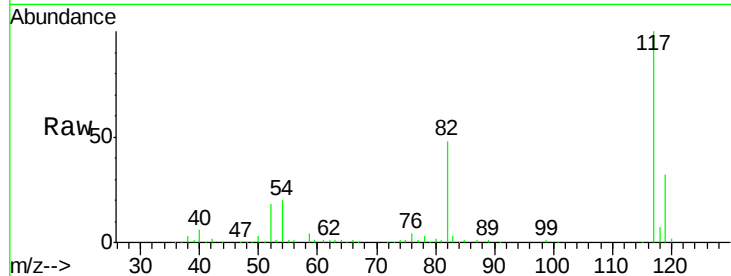




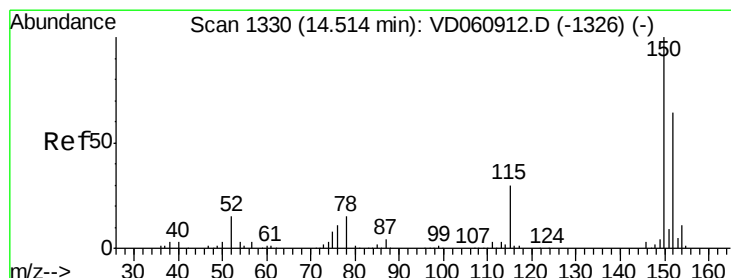
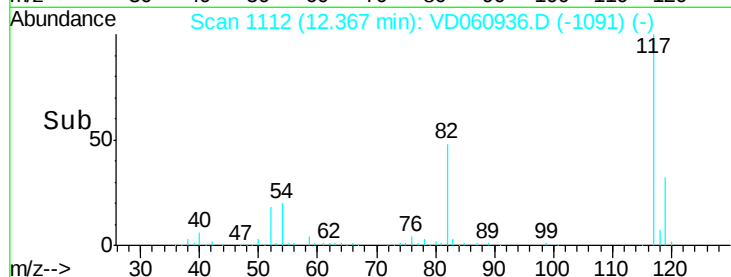
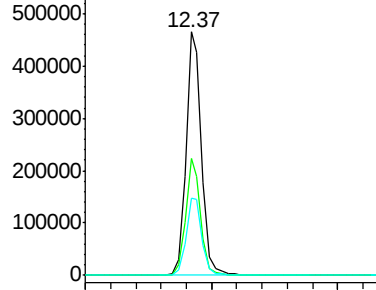
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060936.D
Acq: 4 Mar 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :
SB-B-5-8

Tot Ion:117 Resp: 802659
Ion Ratio Lower Upper
117 100
82 48.0 37.5 56.3
119 31.6 26.2 39.2

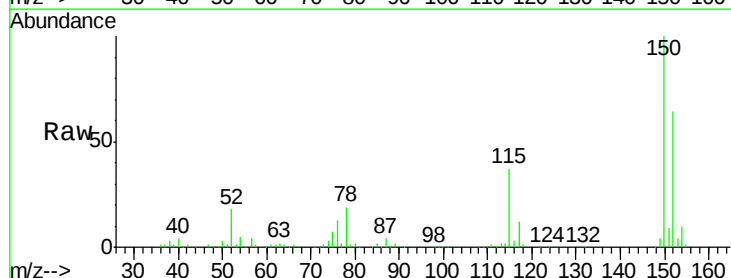


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

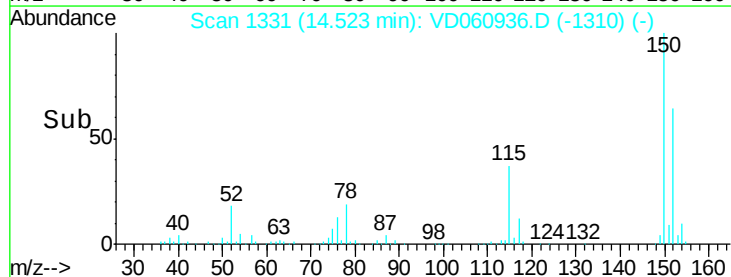
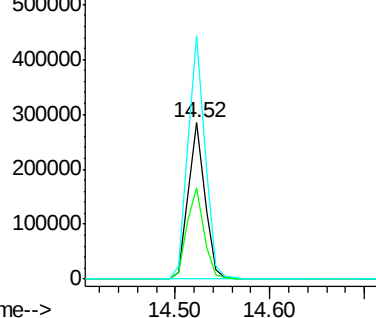


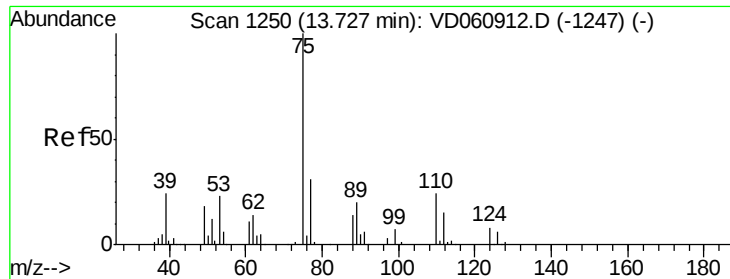
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060936.D
Acq: 4 Mar 2019 21:04

Tgt Ion:152 Resp: 351749
Ion Ratio Lower Upper
152 100
115 58.3 27.6 82.8
150 155.6 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

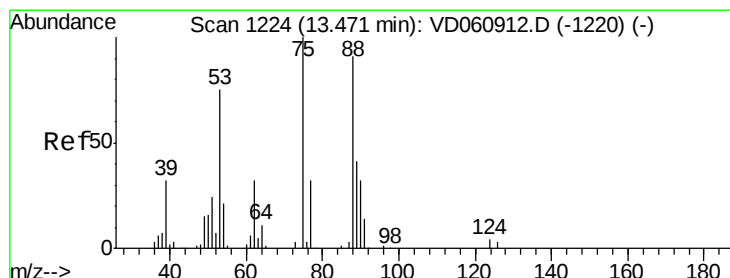
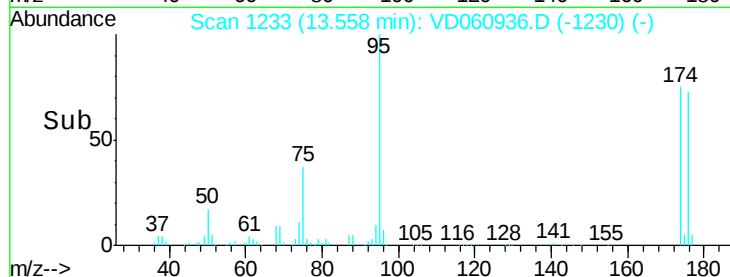
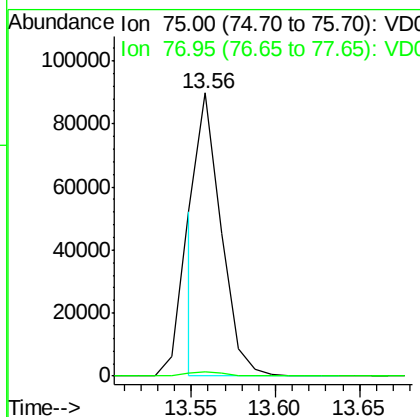
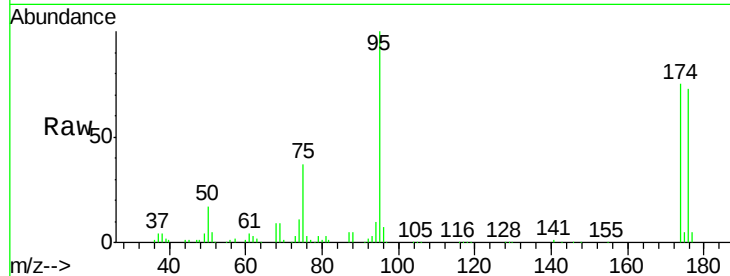




#76
 1,2,3-Trichloropropane
 Concen: 15.270 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Instrument :
 MSVOA_D
 ClientSampled :
 SB-B-5-8

Tot Ion: 75 Resp: 87028
 Ion Ratio Lower Upper
 75 100
 77 1.7 16.2 48.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.943 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD060936.D
 Acq: 4 Mar 2019 21:04

Tgt Ion: 75 Resp: 121347
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.6#
 89 0.0 33.0 49.6#

