

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061141.D
 Acq On : 18 Mar 2019 13:20
 Operator : VA/AP
 Sample : K1698-01RE
 Misc : 5.73g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:15:37 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	7.04	168	646585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1117856	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	876362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	344853	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	231482	43.01	ug/l	0.00
Spiked Amount			Recovery	=	86.02%	
35) Dibromofluoromethane	6.92	113	361158	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
50) Toluene-d8	10.40	98	714534	34.30	ug/l	0.00
Spiked Amount			Recovery	=	68.60%	
62) 4-Bromofluorobenzene	13.54	95	305982	37.85	ug/l	0.00
Spiked Amount			Recovery	=	75.70%	

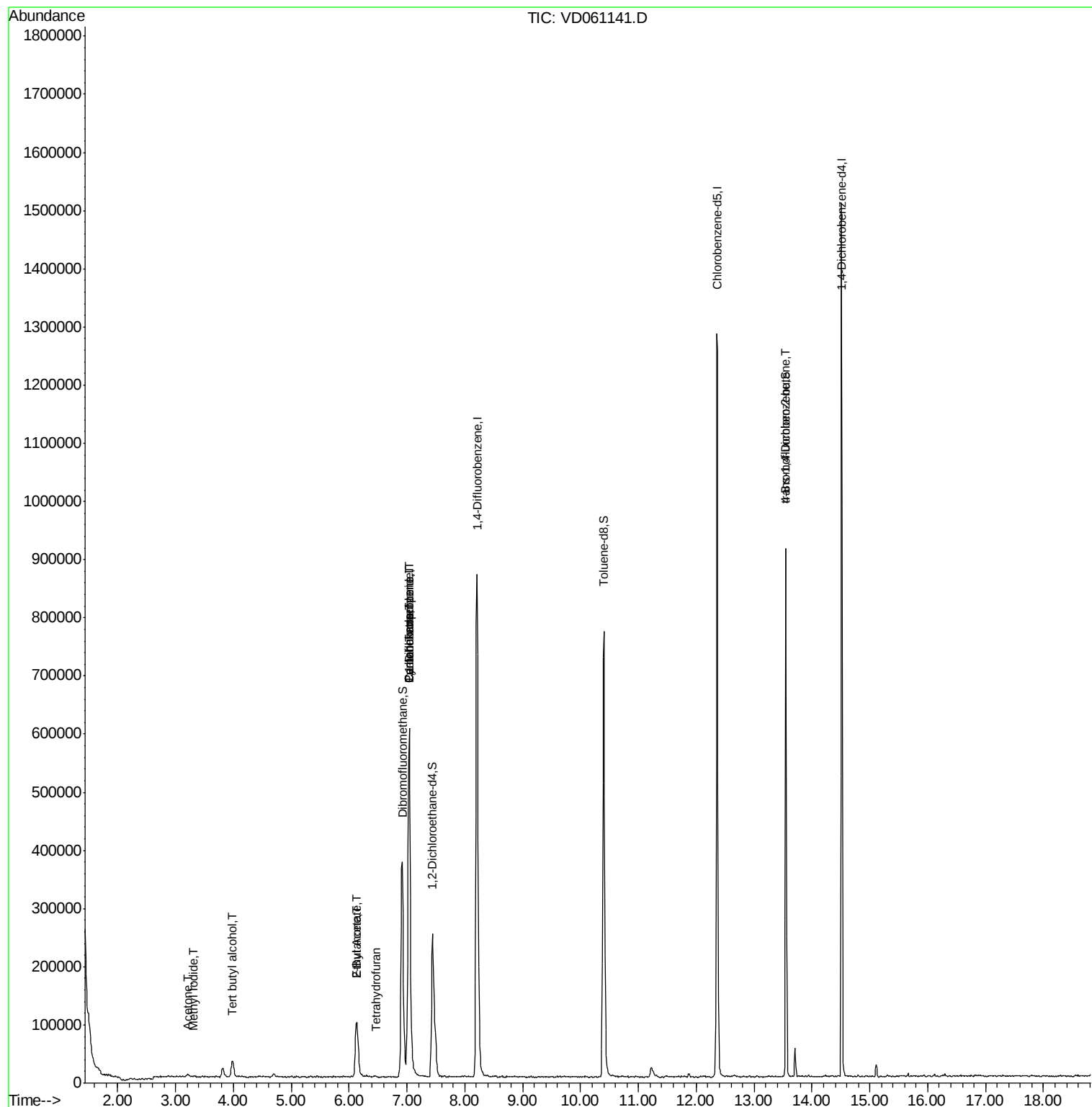
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	392	Below Cal	#	8
10) Methyl Iodide	3.32	142	1973	3.104	ug/l #	92
11) Tert butyl alcohol	3.99	59	26340	76.875	ug/l #	75
16) Acetone	3.22	43	9863	6.408	ug/l #	87
20) Methylene Chloride	3.82	84	12391	Below Cal		86
25) 2-Butanone	6.12	43	5745	3.290	ug/l #	55
29) Tetrahydrofuran	6.45	42	1587	1.674	ug/l #	74
31) Cyclohexane	7.04	56	11419	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	46926	4.870	ug/l #	46
37) Ethyl Acetate	6.12	43	5745	1.271	ug/l #	1
38) Carbon Tetrachloride	7.04	117	61547	5.799	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	110923	75.834	ug/l #	17

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

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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: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

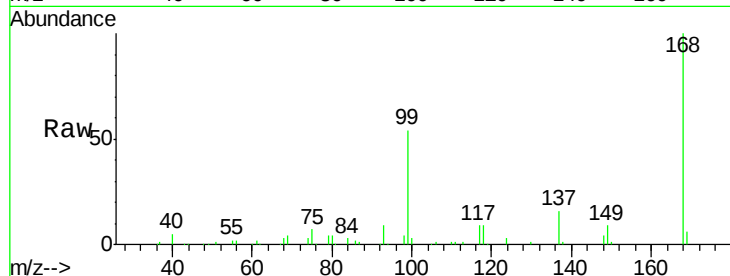
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 646585

Ion Ratio Lower Upper

168 100

99 54.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

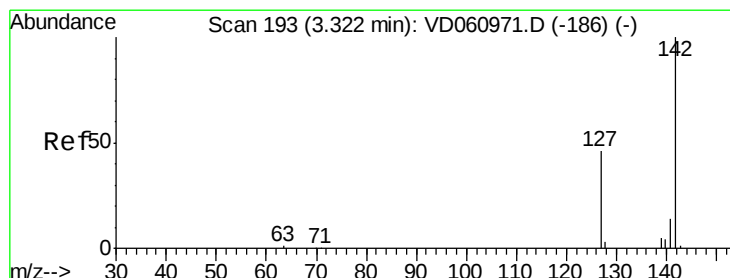
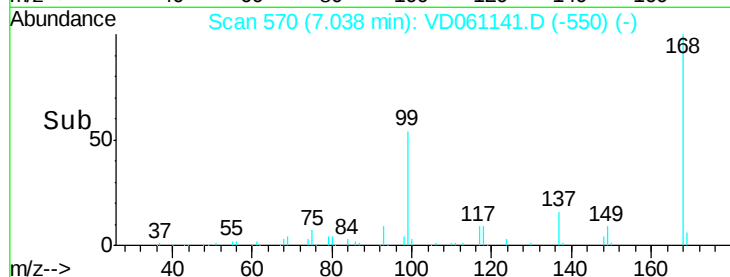
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.104 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

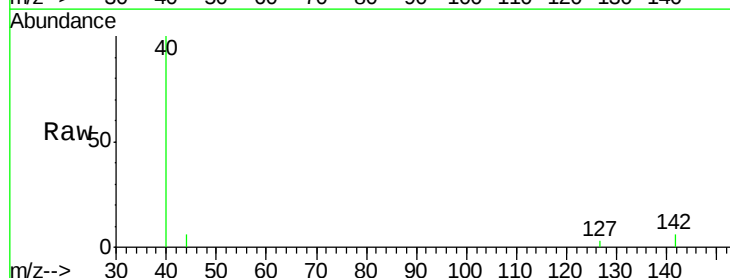
Tgt Ion:142 Resp: 1973

Ion Ratio Lower Upper

142 100

127 45.6 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

3.32

1000

800

600

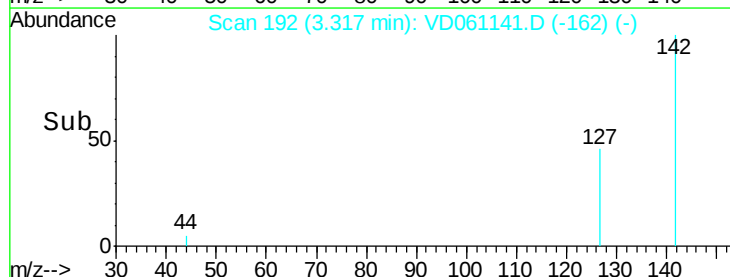
400

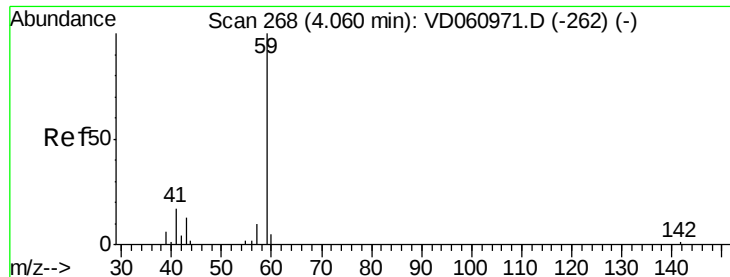
200

0

3.25 3.30 3.35

Time-->

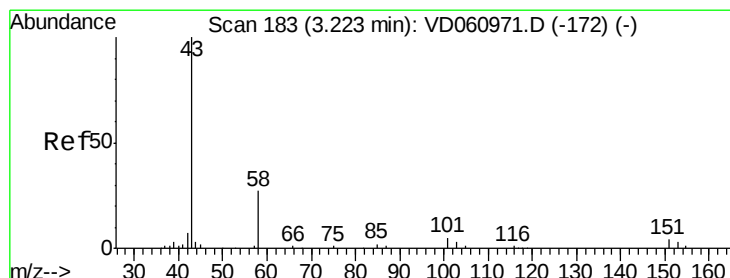
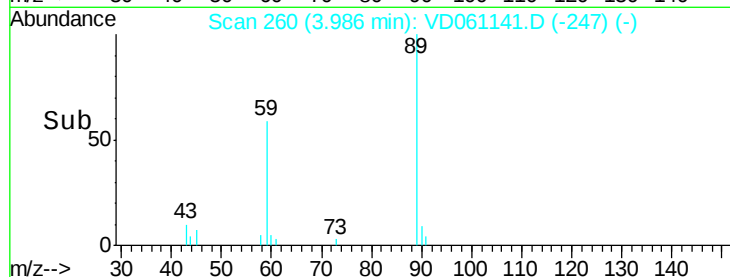
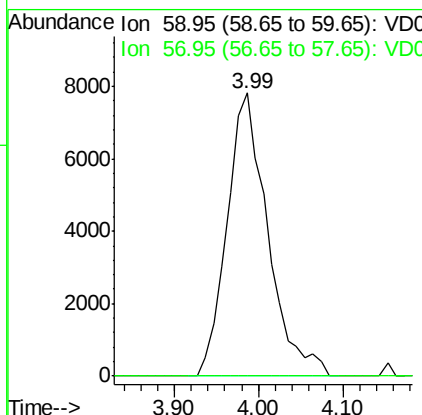
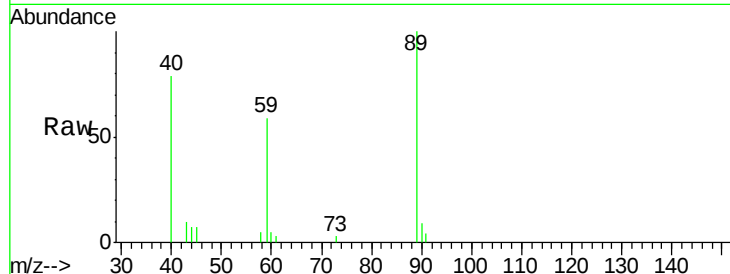




#11
Tert butyl alcohol
Concen: 76.875 ug/l
RT: 3.99 min Scan# 260
Delta R.T. -0.07 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

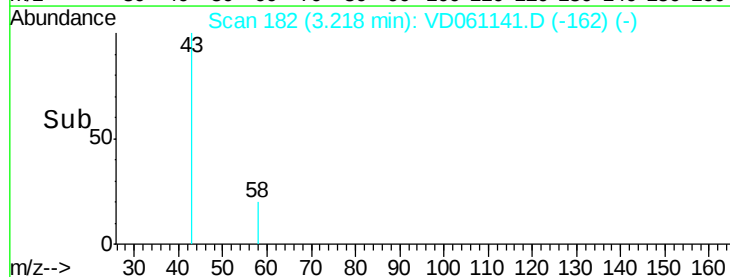
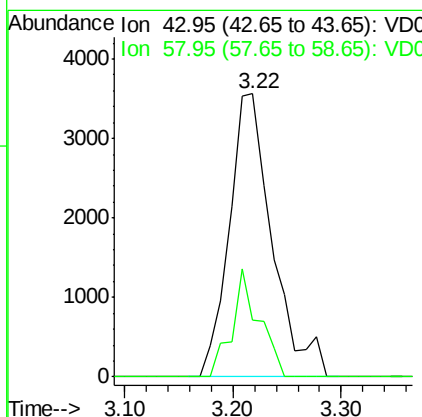
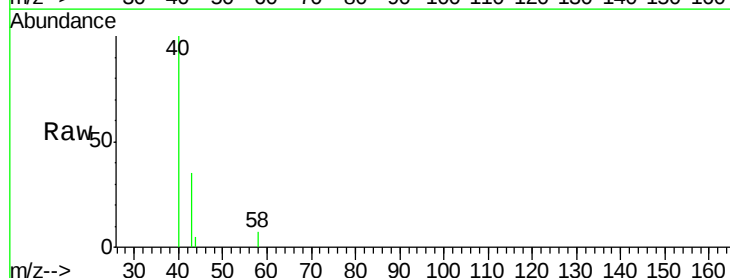
Instrument :
MSVOA_D
ClientSampled :

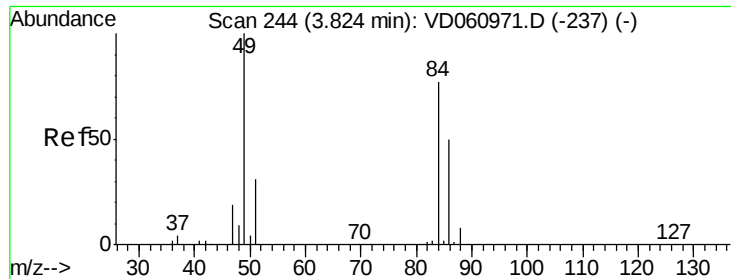
Tot Ion: 59 Resp: 26340
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



#16
Acetone
Concen: 6.408 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Tgt Ion: 43 Resp: 9863
Ion Ratio Lower Upper
43 100
58 20.0 21.6 32.4#

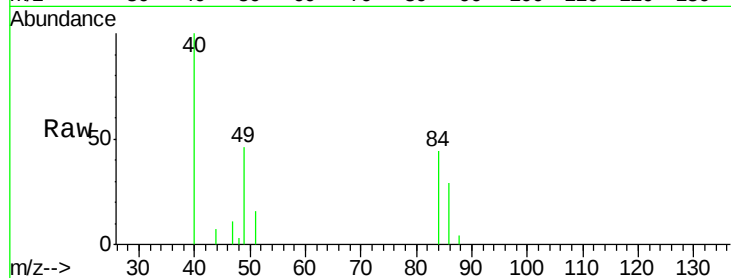




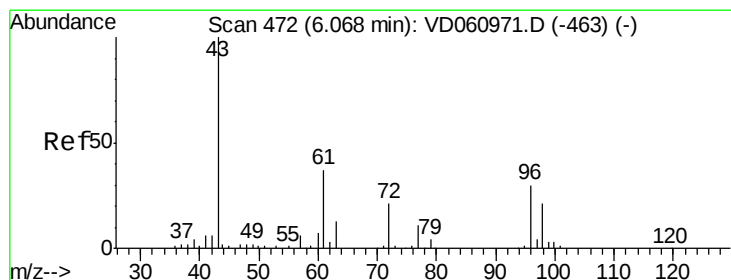
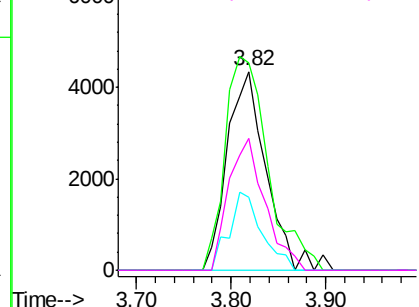
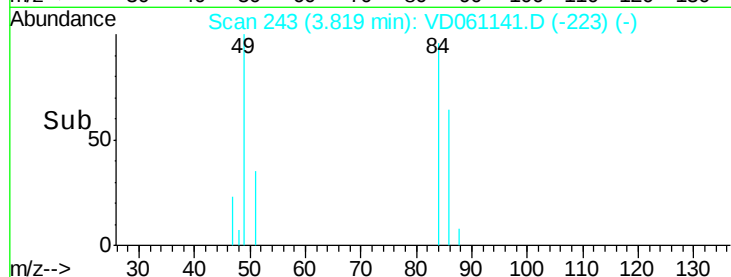
#20
Methvlene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 12391
Ion Ratio Lower Upper
84 100
49 104.3 104.2 156.2
51 36.7 32.3 48.5
86 66.6 52.3 78.5

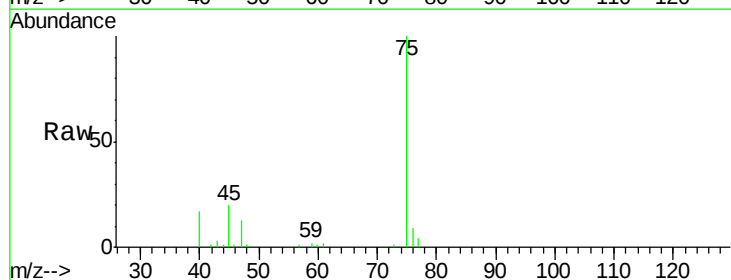


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

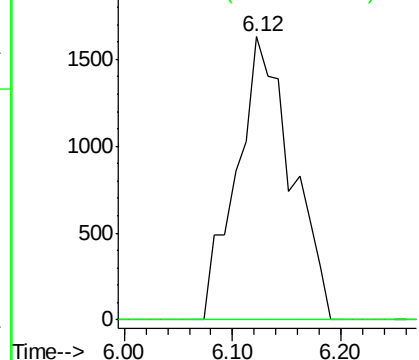
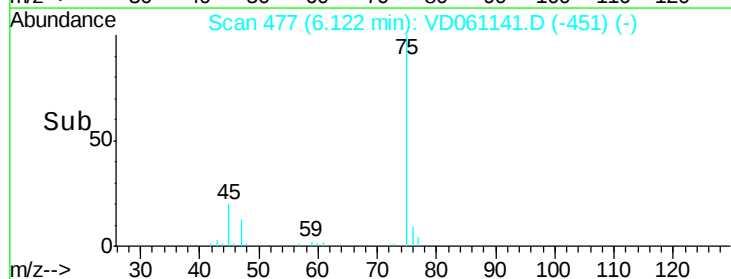


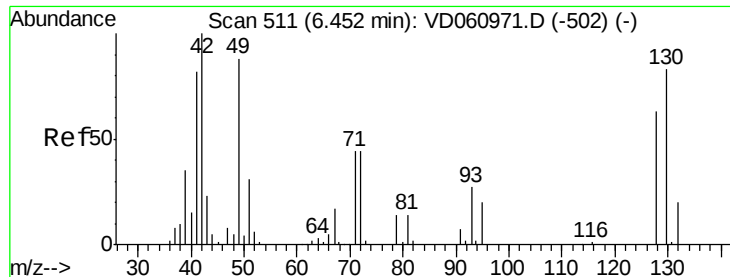
#25
2-Butanone
Concen: 3.290 ug/l
RT: 6.12 min Scan# 477
Delta R.T. 0.05 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Tgt Ion: 43 Resp: 5745
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.674 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

Instrument :

MSVOA_D

ClientSampled :

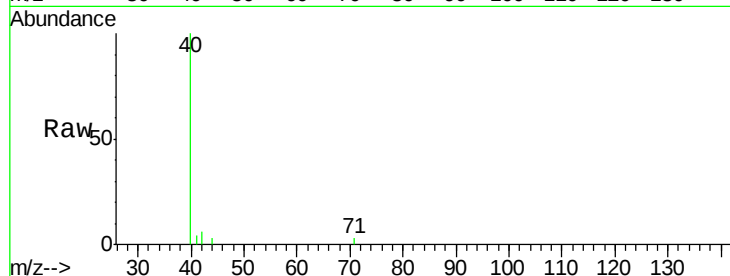
Tot Ion: 42 Resp: 1587

Ion Ratio Lower Upper

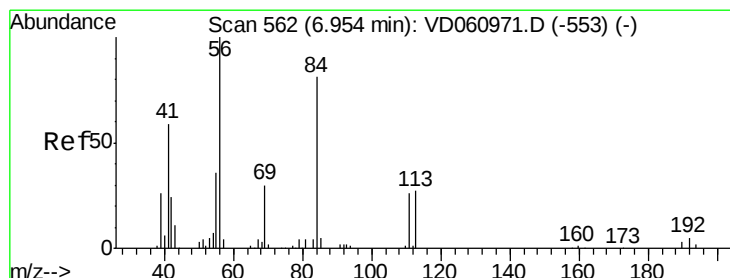
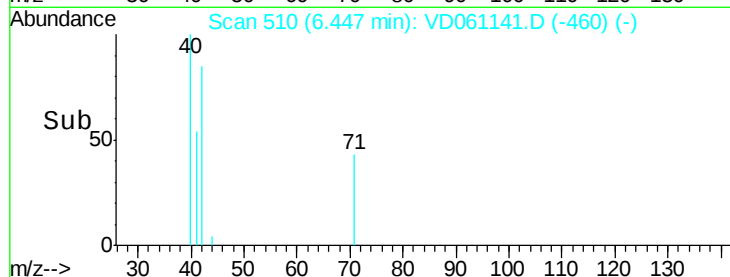
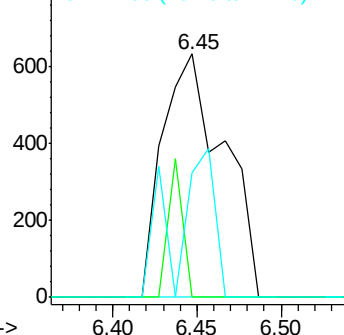
42 100

72 13.4 34.5 51.7#

71 39.1 33.8 50.6



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



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

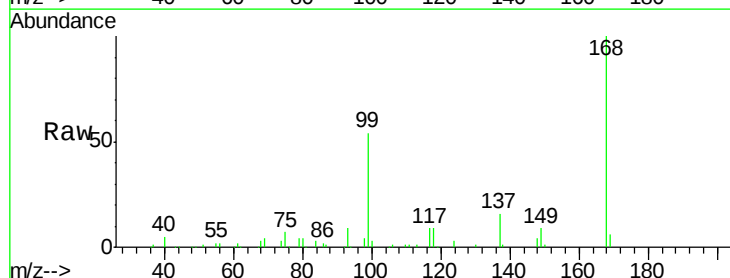
Tgt Ion: 56 Resp: 11419

Ion Ratio Lower Upper

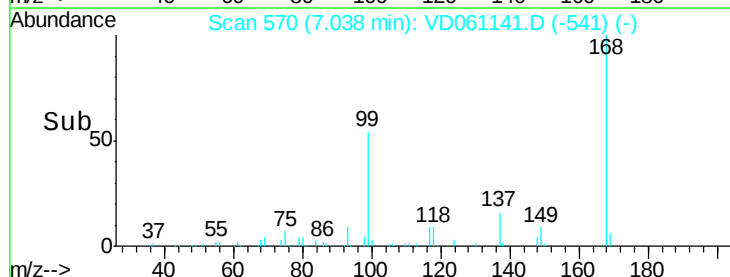
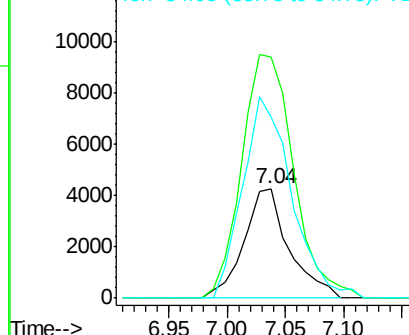
56 100

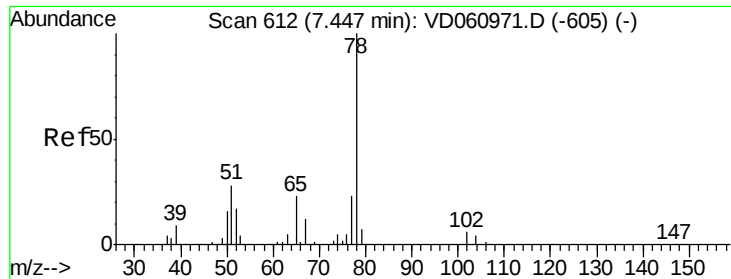
69 220.0 24.0 36.0#

84 165.6 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: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

Instrument :

MSVOA_D

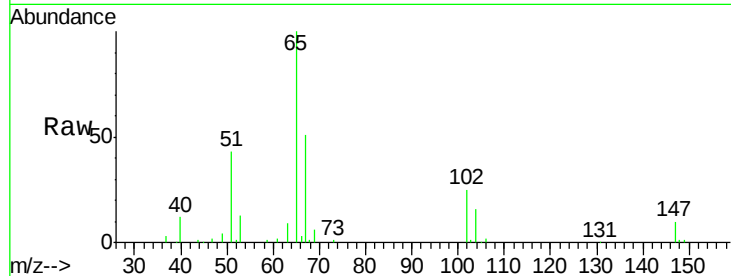
ClientSampleId :

Tot Ion: 65 Resp: 231482

Ion Ratio Lower Upper

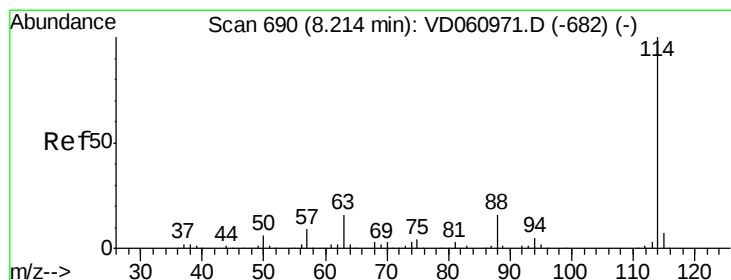
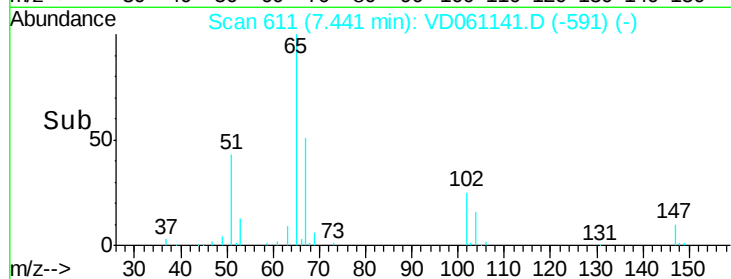
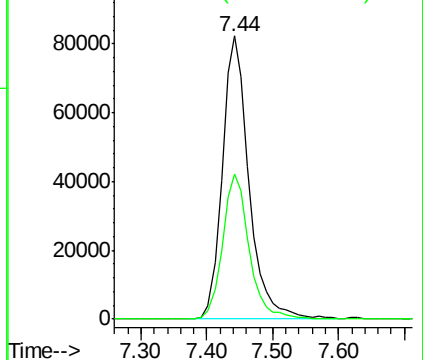
65 100

67 51.1 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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

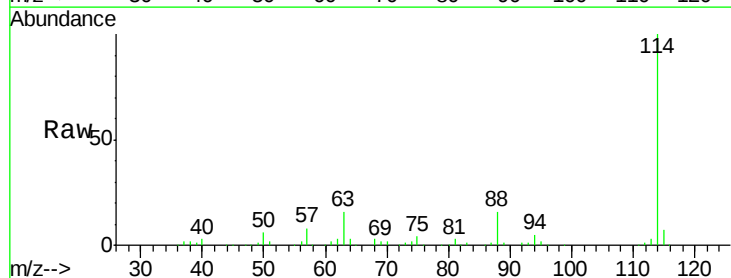
Tgt Ion: 114 Resp: 1117856

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

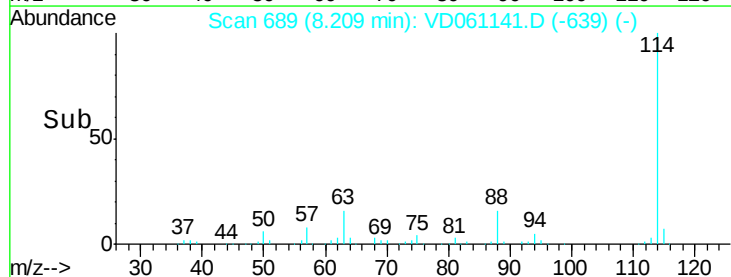
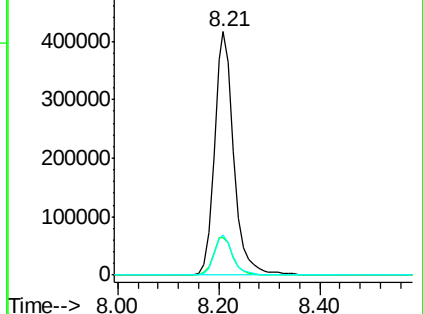
88 16.2 0.0 33.0

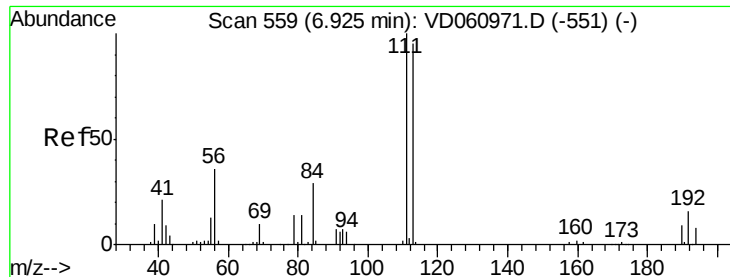


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

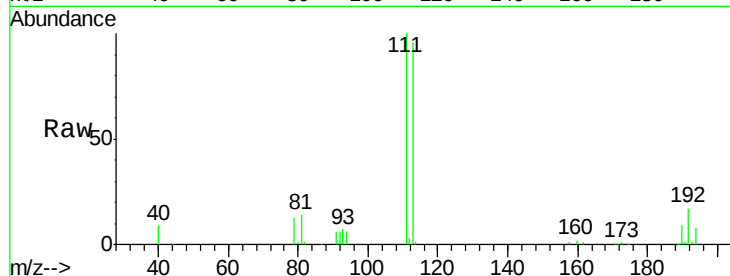
Tot Ion:113 Resp: 361158

Ion Ratio Lower Upper

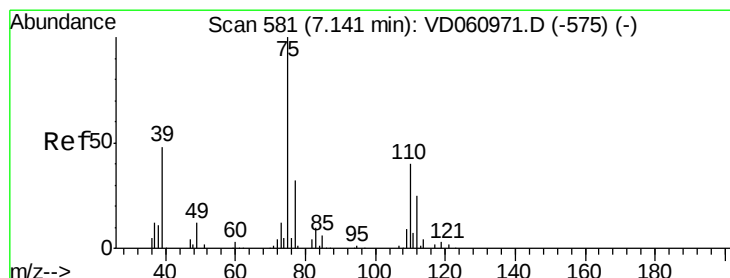
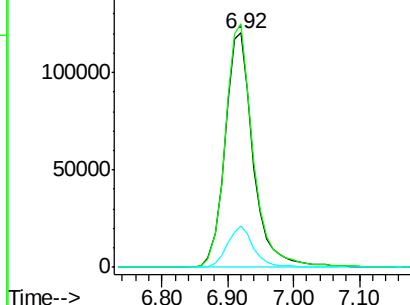
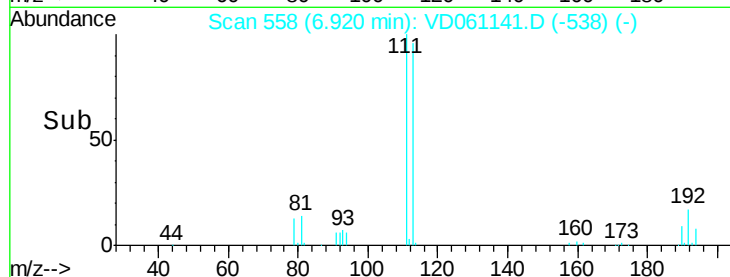
113 100

111 103.9 84.2 126.4

192 17.9 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



#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

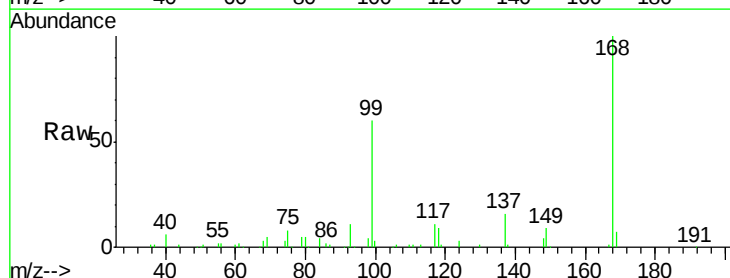
Tgt Ion: 75 Resp: 46926

Ion Ratio Lower Upper

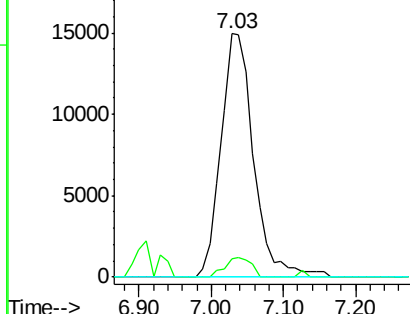
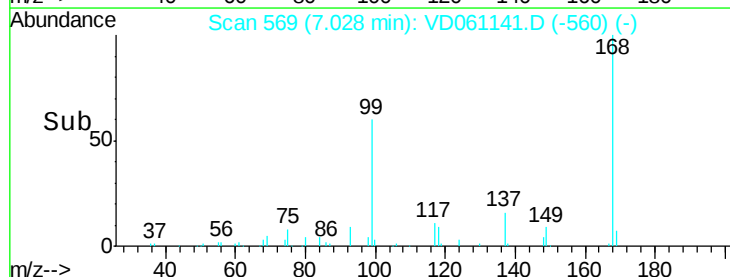
75 100

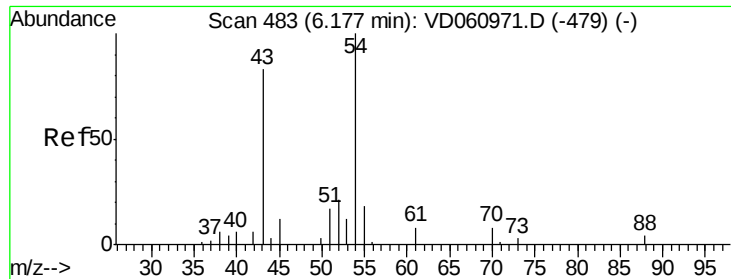
110 7.5 19.7 59.1#

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

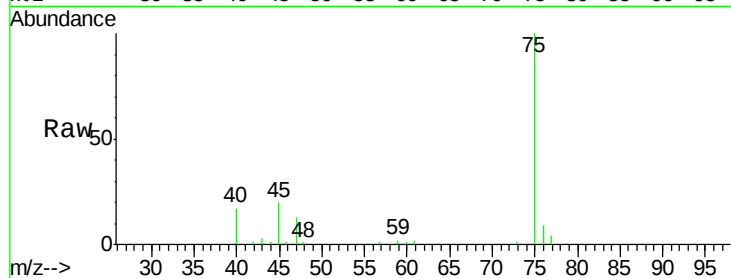




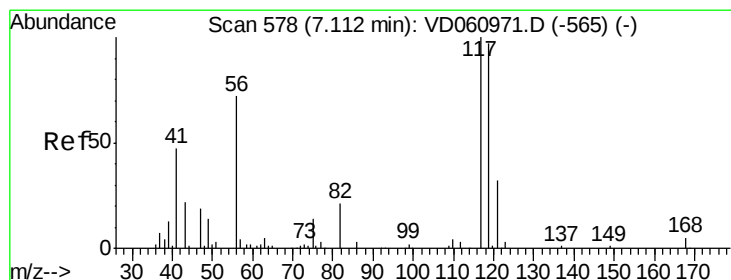
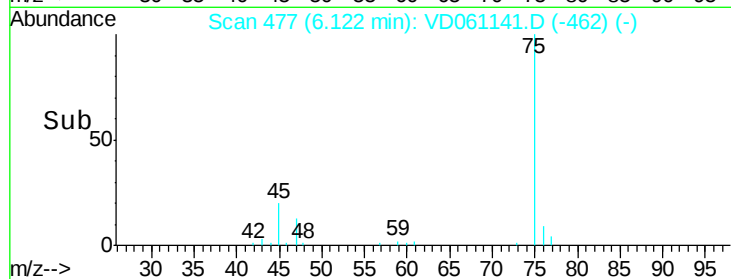
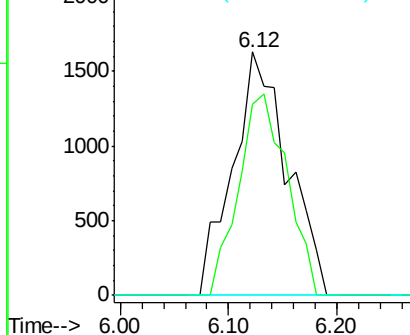
#37
Ethyl Acetate
Concen: 1.271 ug/l
RT: 6.12 min Scan# 477
Delta R.T. -0.05 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5745
Ion Ratio Lower Upper
43 100
61 78.7 13.7 20.5#
70 0.0 7.1 10.7#

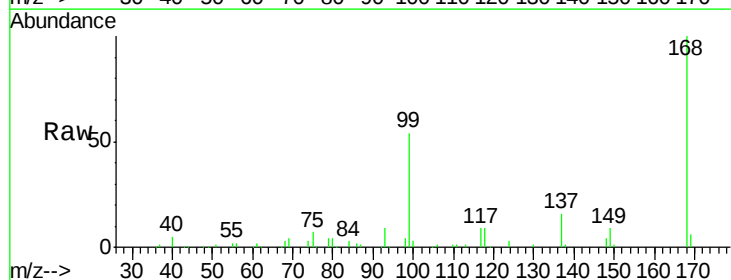


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

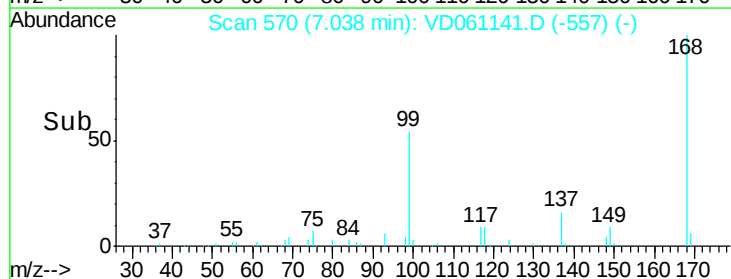
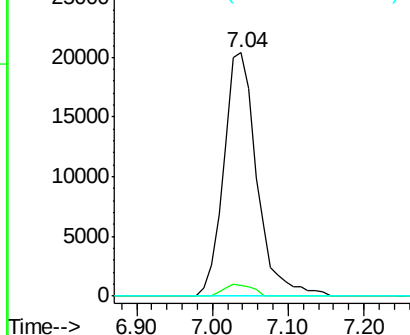


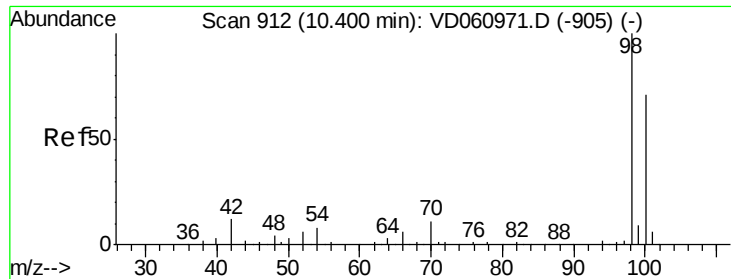
#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Tgt Ion: 117 Resp: 61547
Ion Ratio Lower Upper
117 100
119 4.5 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: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

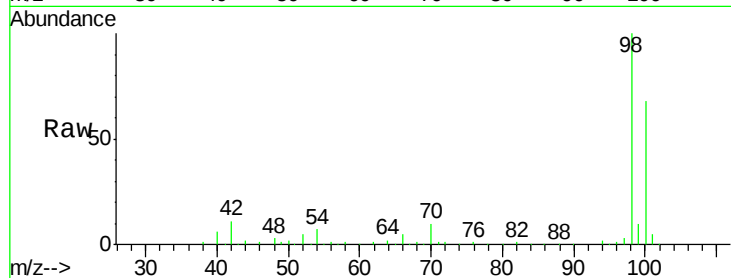
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 714534

Ion Ratio Lower Upper

98 100

100 68.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.40

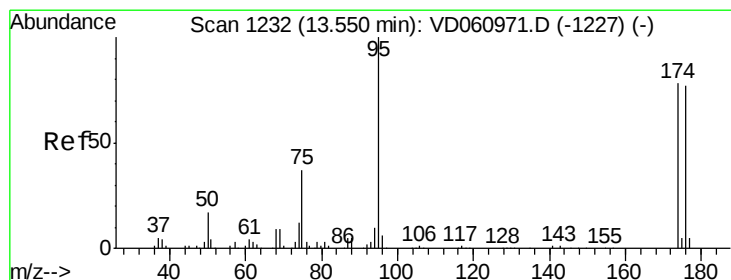
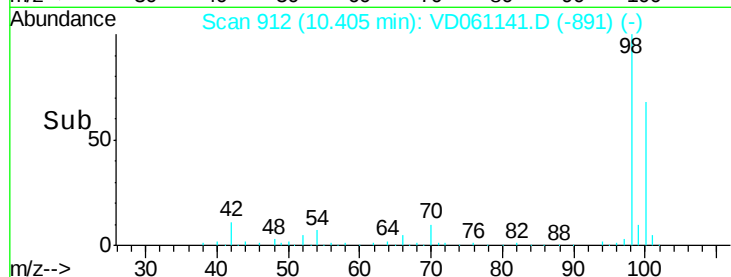
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

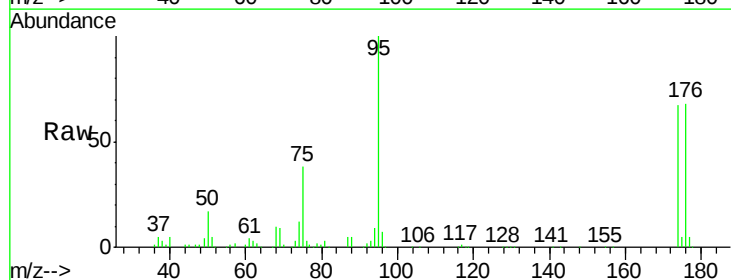
Tgt Ion: 95 Resp: 305982

Ion Ratio Lower Upper

95 100

174 67.0 0.0 155.6

176 68.1 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.54

300000

250000

200000

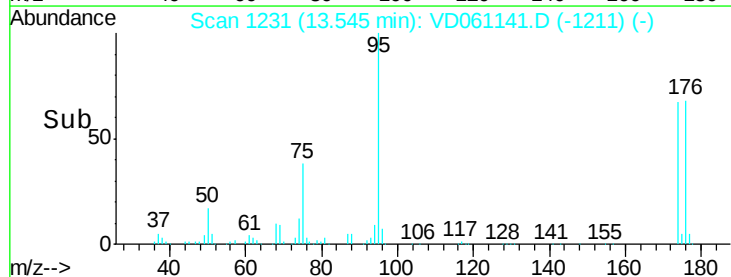
150000

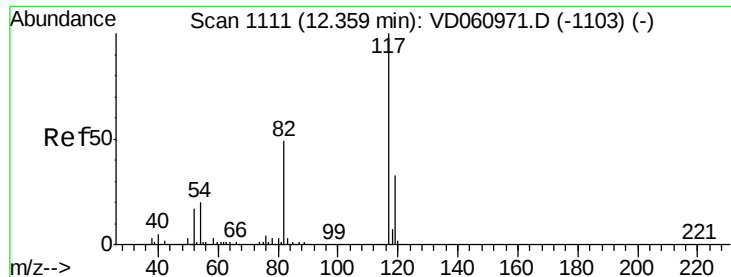
100000

50000

0

Time-->

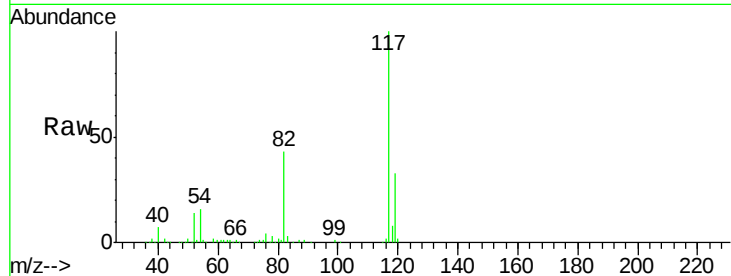




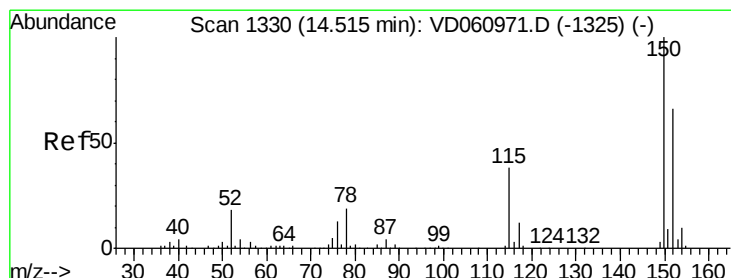
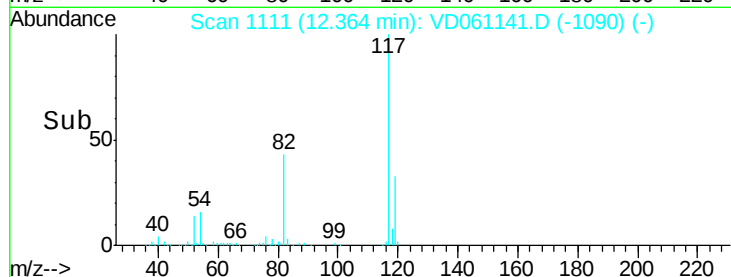
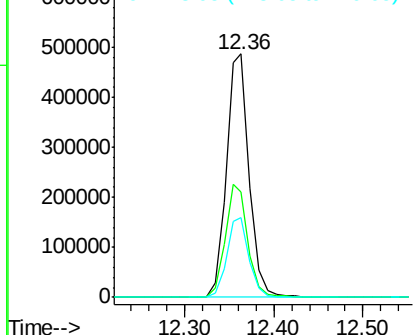
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 876362
Ion Ratio Lower Upper
117 100
82 43.1 38.9 58.3
119 32.7 26.6 39.8

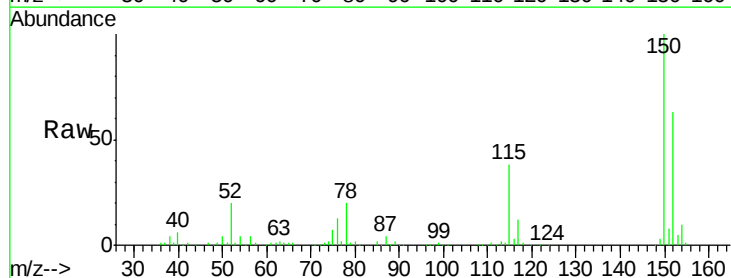


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

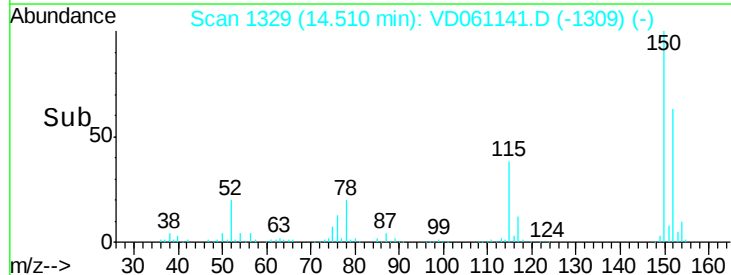
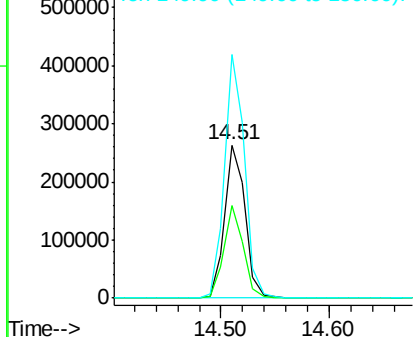


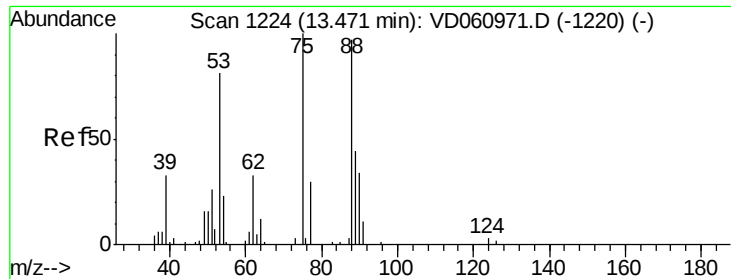
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061141.D
Acq: 18 Mar 2019 13:20

Tgt Ion:152 Resp: 344853
Ion Ratio Lower Upper
152 100
115 60.8 28.6 85.9
150 158.9 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





#81

trans-1,4-Dichloro-2-butene

Concen: 75.834 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061141.D

Acq: 18 Mar 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

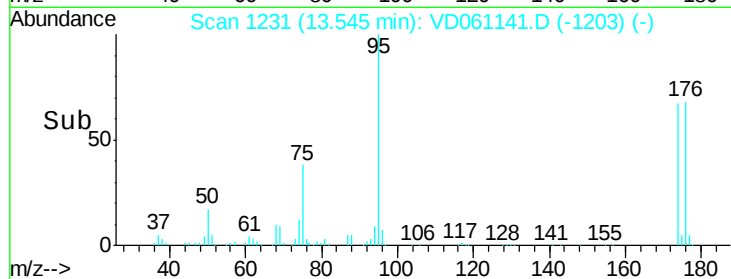
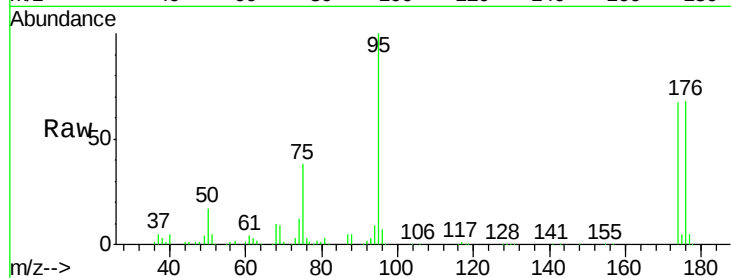
Tot Ion: 75 Resp: 110923

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

