

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059916.D
 Acq On : 27 Aug 2018 15:37
 Operator : JC/SY
 Sample : J4646-12
 Misc : 5.47g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 16:15:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1184644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1689007	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1380666	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	731633	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	514748	51.55	ug/l	-0.03
Spiked Amount						
			Recovery	=	103.10%	
35) Dibromofluoromethane	6.30	113	608255	45.93	ug/l	-0.03
Spiked Amount						
			Recovery	=	91.86%	
50) Toluene-d8	9.44	98	1650160	44.90	ug/l	-0.02
Spiked Amount						
			Recovery	=	89.80%	
62) 4-Bromofluorobenzene	12.42	95	670401	44.91	ug/l	-0.01
Spiked Amount						
			Recovery	=	89.82%	

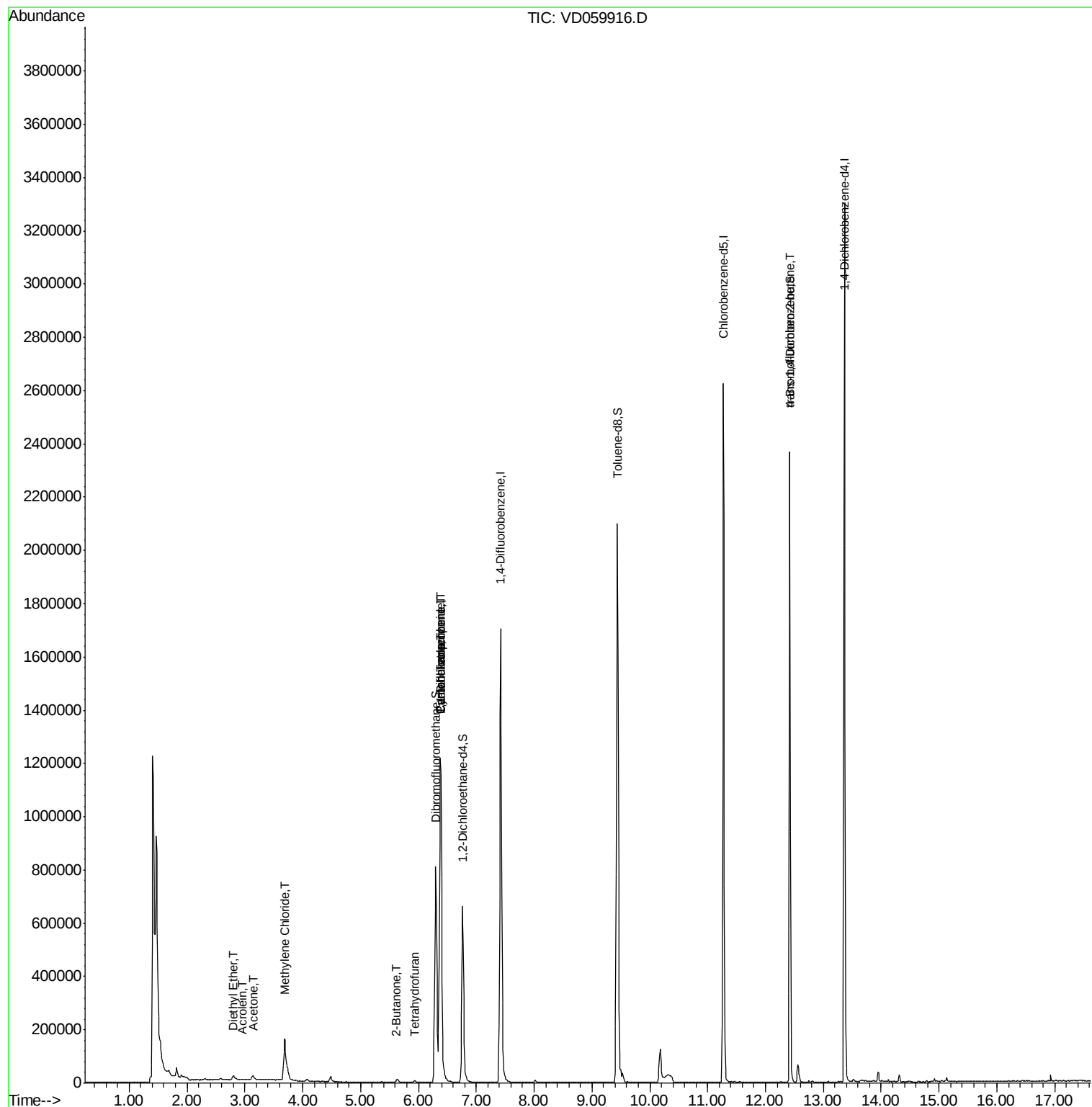
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.80	74	5295	2.712	ug/l	95
13) Acrolein	2.95	56	449	1.359	ug/l #	69
16) Acetone	3.13	43	32789	18.025	ug/l	92
20) Methylene Chloride	3.69	84	90672	4.047	ug/l	93
25) 2-Butanone	5.60	43	6027	1.119	ug/l #	63
29) Tetrahydrofuran	5.94	42	5112	1.993	ug/l #	70
31) Cyclohexane	6.38	56	24682	1.298	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	85133	5.560	ug/l #	47
38) Carbon Tetrachloride	6.38	117	94699	6.129	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	278508	78.737	ug/l #	12
89) n-Butylbenzene	13.64	91	1738	Below Cal		88

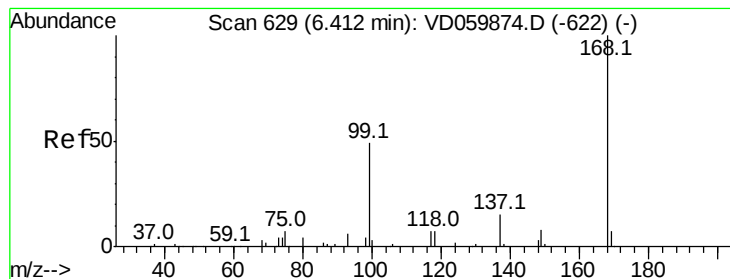
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

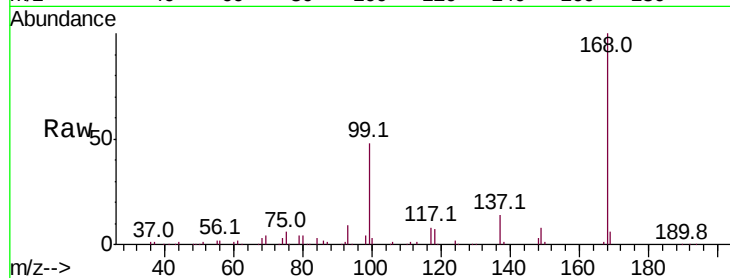
ClientSampleId :

Tot Ion:168 Resp: 1184644

Ion Ratio Lower Upper

168 100

99 47.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

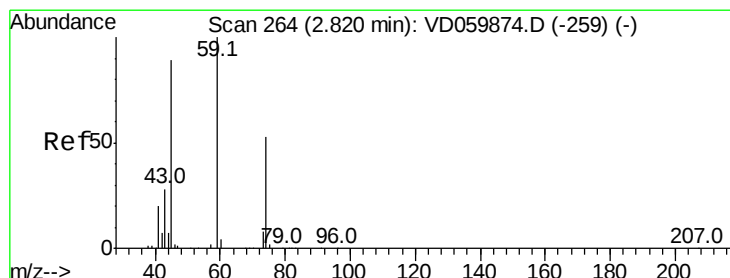
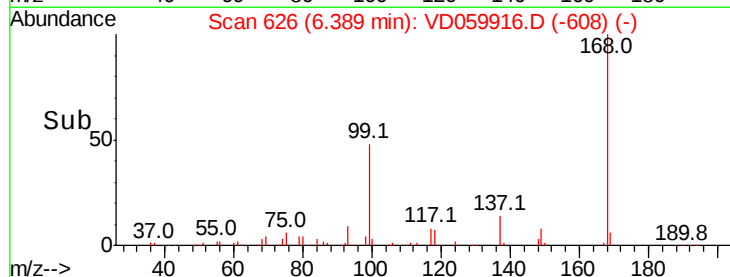
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 2.712 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059916.D

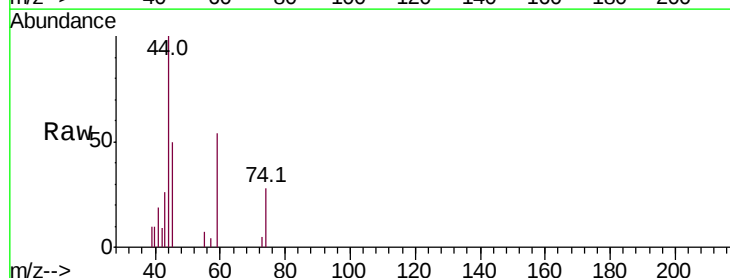
Acq: 27 Aug 2018 15:37

Tgt Ion: 74 Resp: 5295

Ion Ratio Lower Upper

74 100

45 178.1 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

5000

4000

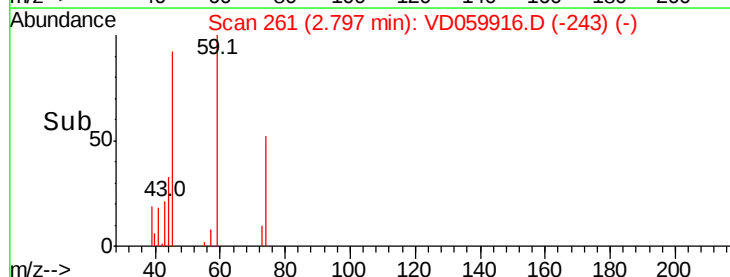
3000

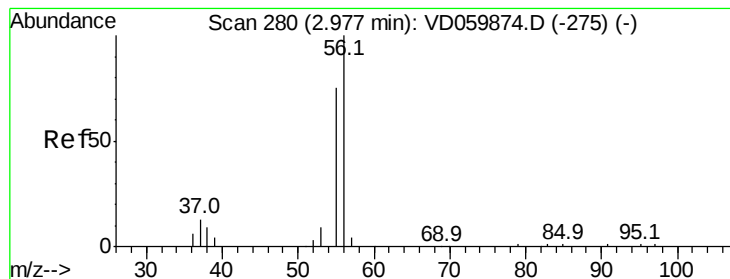
2000

1000

0

Time--> 2.75 2.80 2.85





#13

Acrolein

Concen: 1.359 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

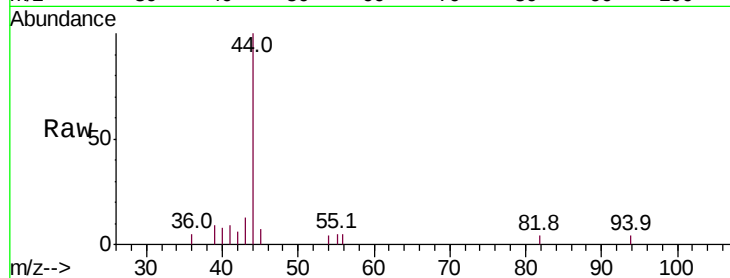
ClientSampleId :

Tot Ion: 56 Resp: 449

Ion Ratio Lower Upper

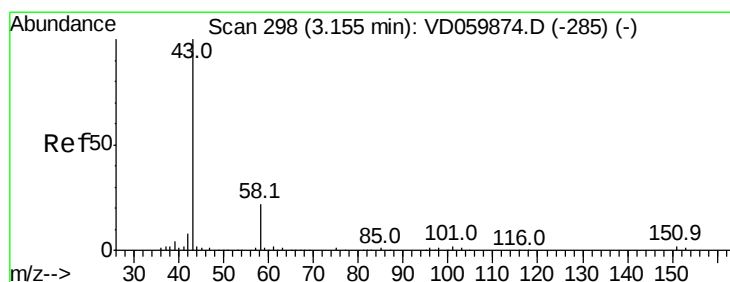
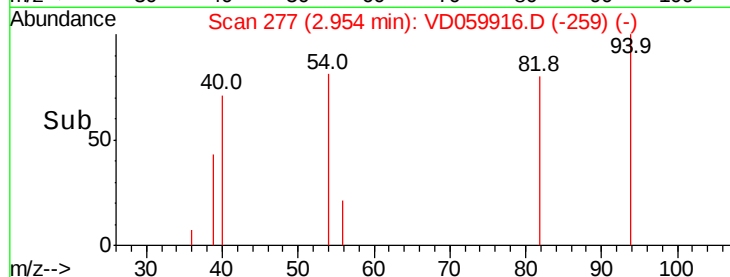
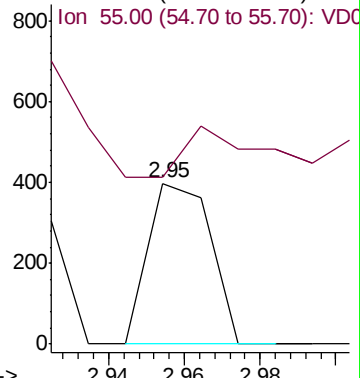
56 100

55 104.0 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 18.025 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059916.D

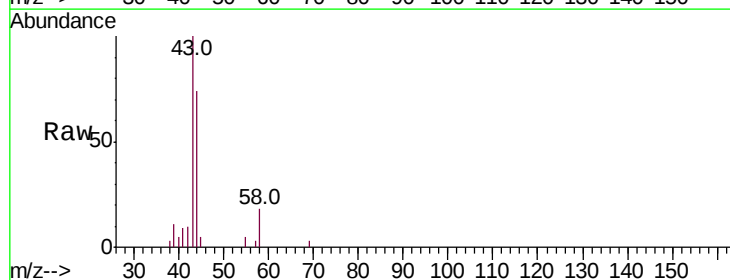
Acq: 27 Aug 2018 15:37

Tgt Ion: 43 Resp: 32789

Ion Ratio Lower Upper

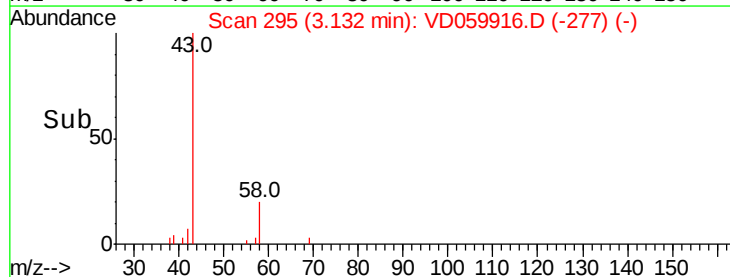
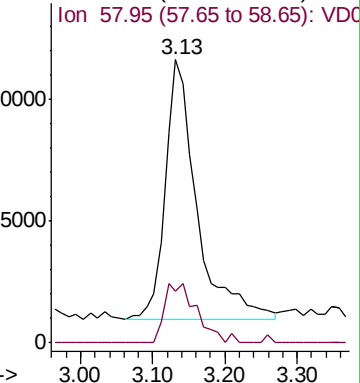
43 100

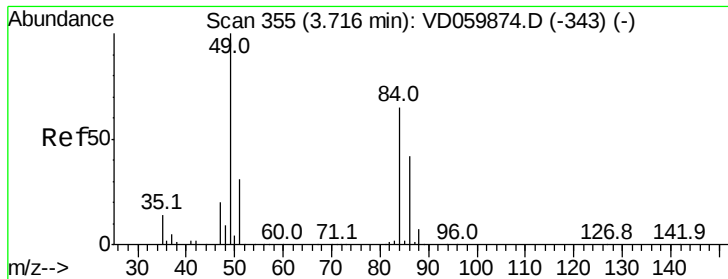
58 18.4 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 4.047 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.02 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 90672

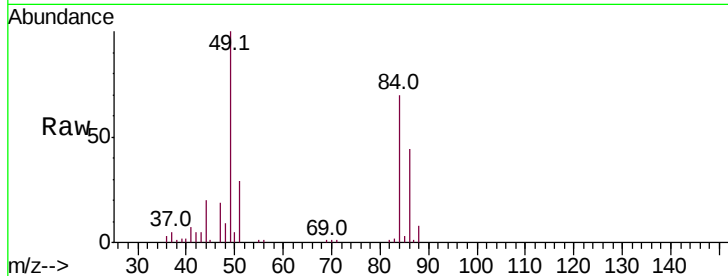
Ion Ratio Lower Upper

84 100

49 143.2 122.6 183.8

51 41.7 38.4 57.6

86 62.9 51.5 77.3

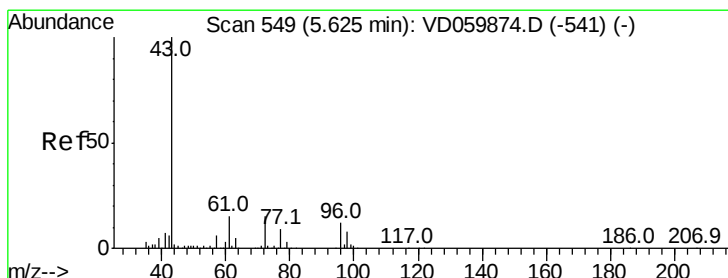
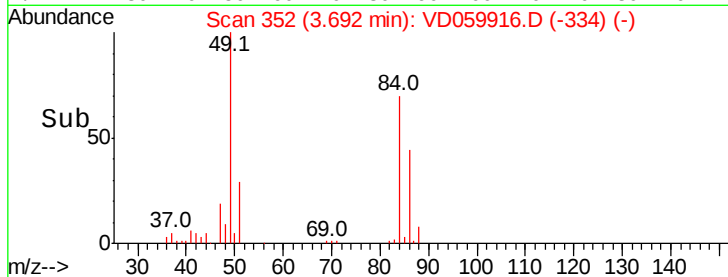
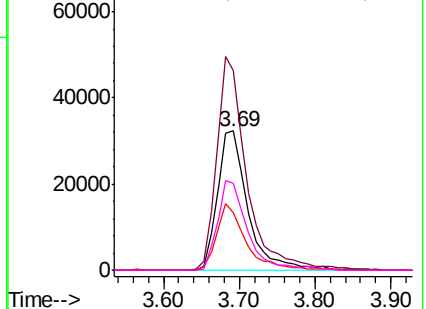


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.119 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059916.D

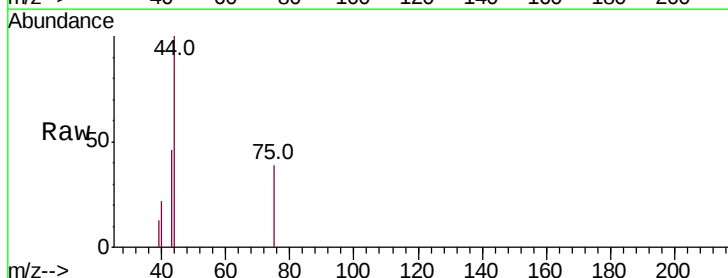
Acq: 27 Aug 2018 15:37

Tgt Ion: 43 Resp: 6027

Ion Ratio Lower Upper

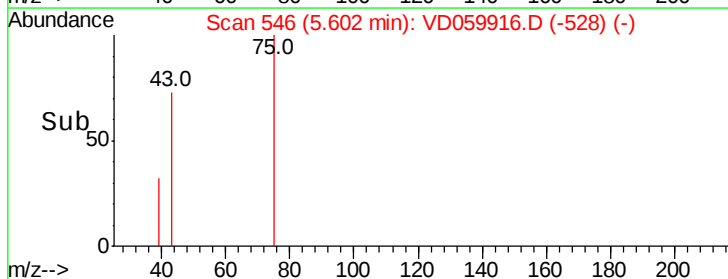
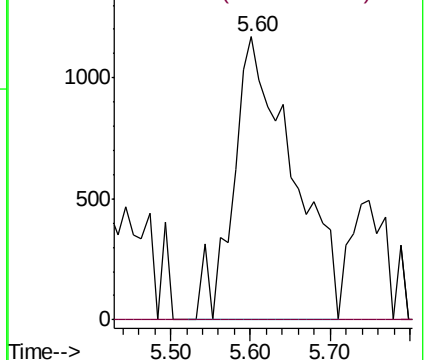
43 100

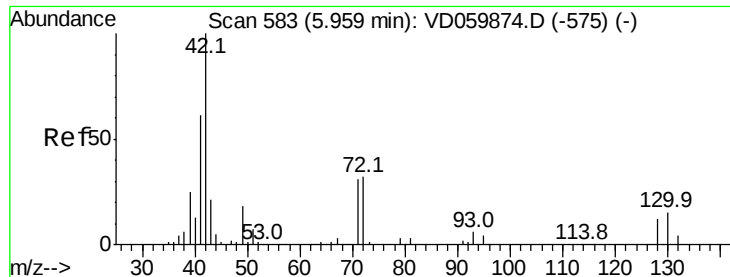
72 0.0 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.993 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

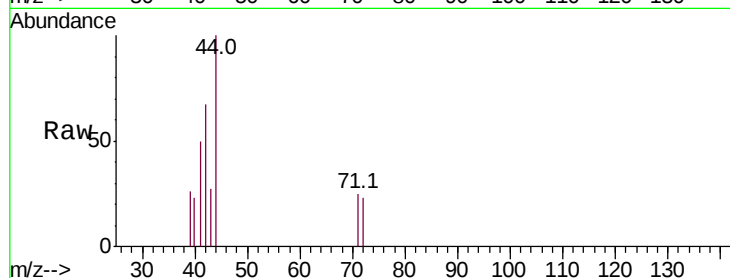
Tot Ion: 42 Resp: 5112

Ion Ratio Lower Upper

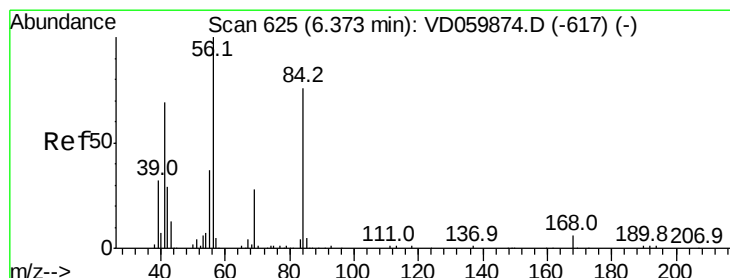
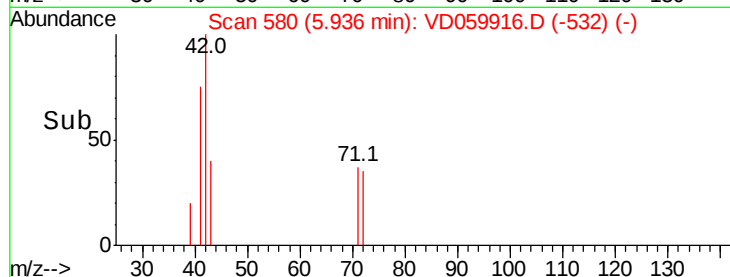
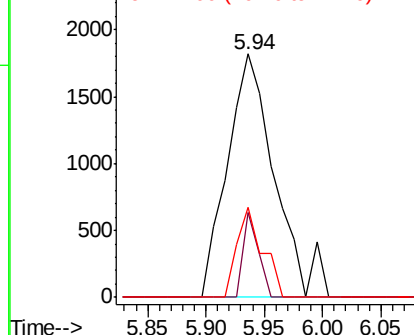
42 100

72 11.0 25.7 38.5#

71 19.9 25.3 37.9#



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: 1.298 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

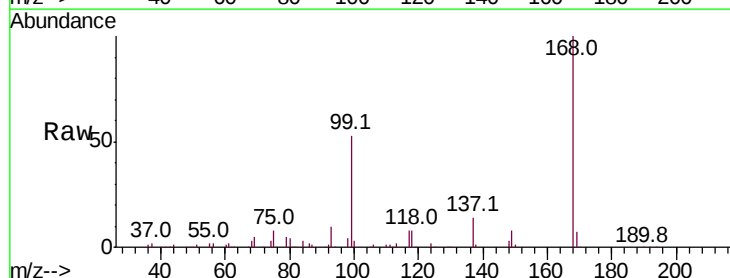
Tgt Ion: 56 Resp: 24682

Ion Ratio Lower Upper

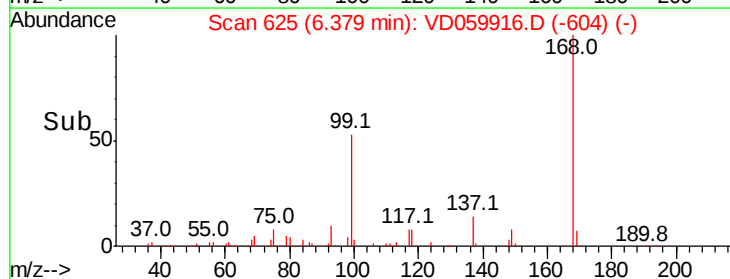
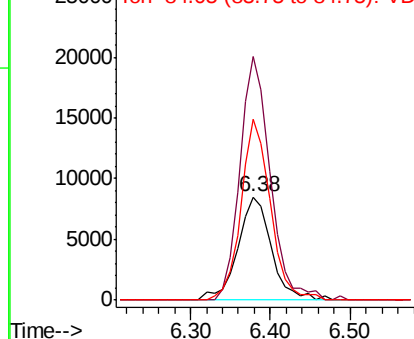
56 100

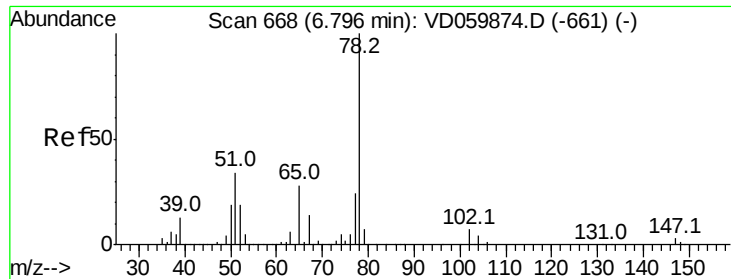
69 236.5 22.4 33.6#

84 175.3 62.1 93.1#



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

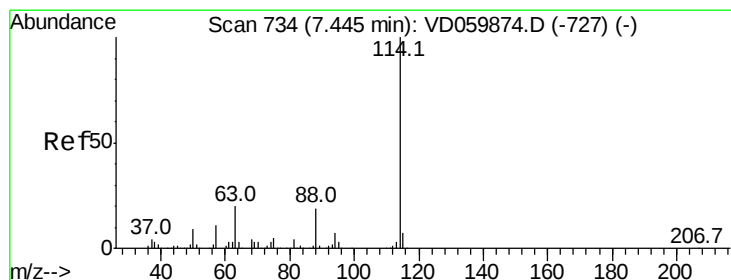
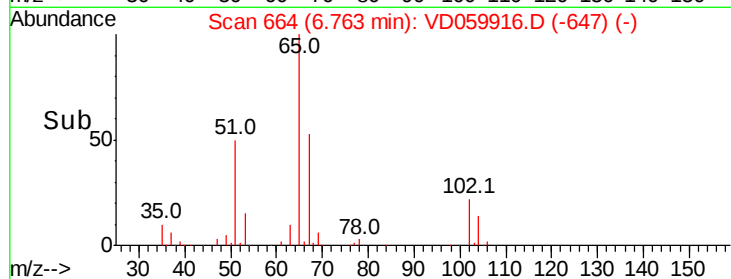
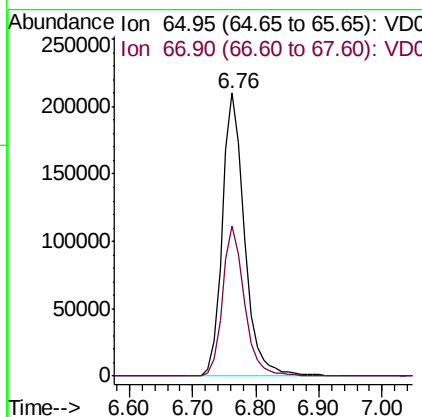
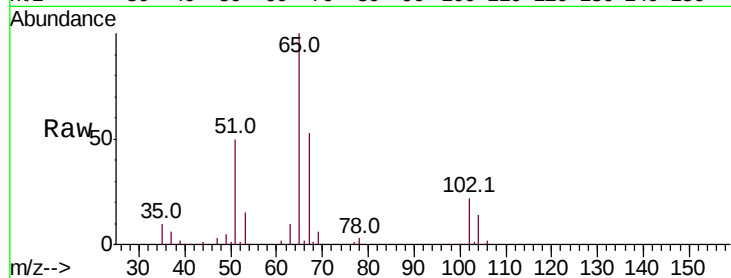




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059916.D
 Acq: 27 Aug 2018 15:37

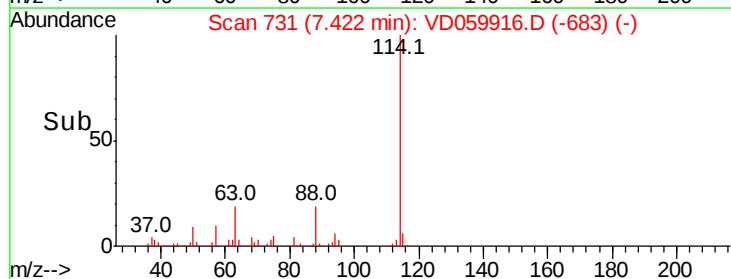
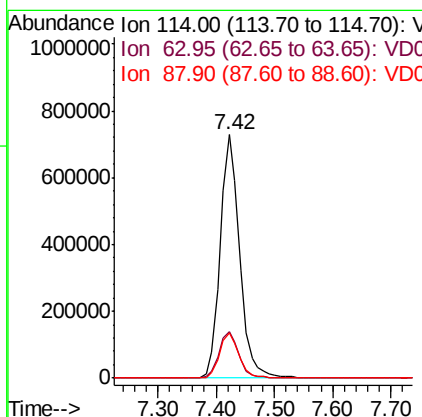
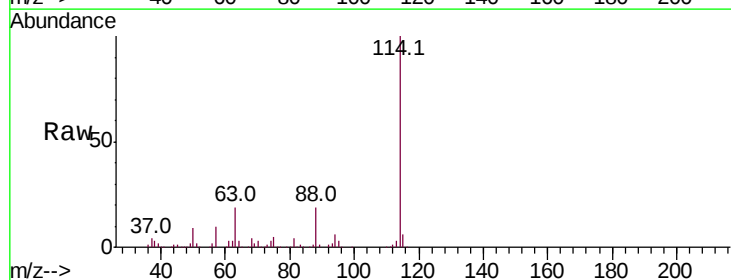
Instrument :
 MSVOA_D
 ClientSampleID :

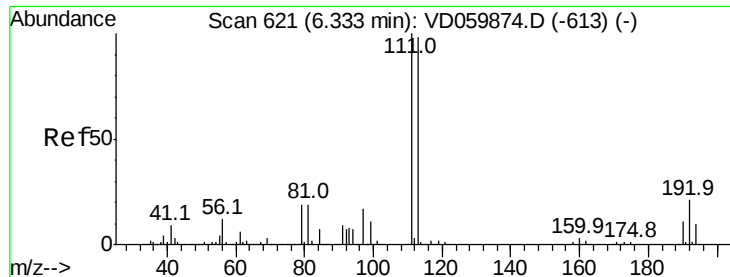
Tot Ion: 65 Resp: 514748
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059916.D
 Acq: 27 Aug 2018 15:37

Tgt Ion:114 Resp: 1689007
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 18.6 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :
MSVOA_D
ClientSampleId :

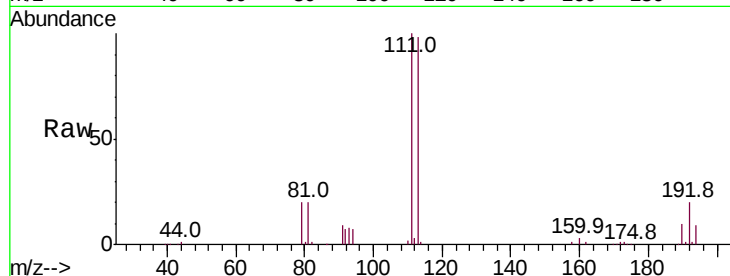
Tot Ion:113 Resp: 608255

Ion Ratio Lower Upper

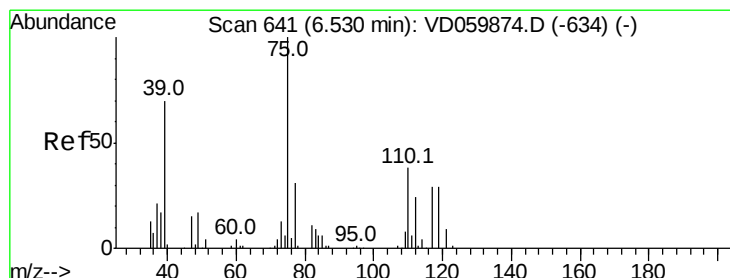
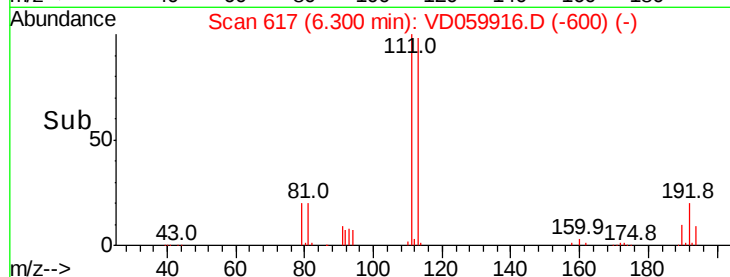
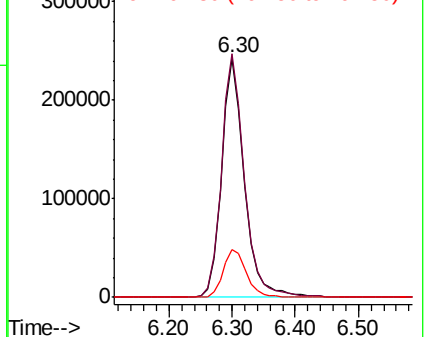
113 100

111 102.0 81.4 122.2

192 20.1 17.0 25.6



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: 5.560 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

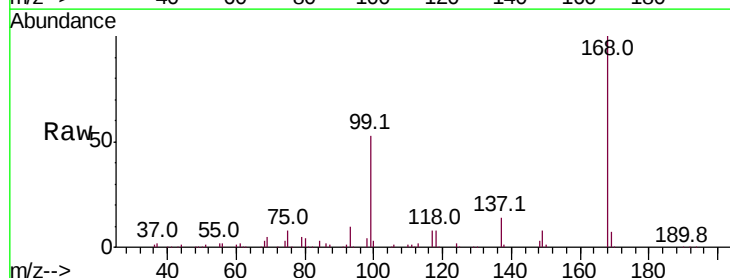
Tgt Ion: 75 Resp: 85133

Ion Ratio Lower Upper

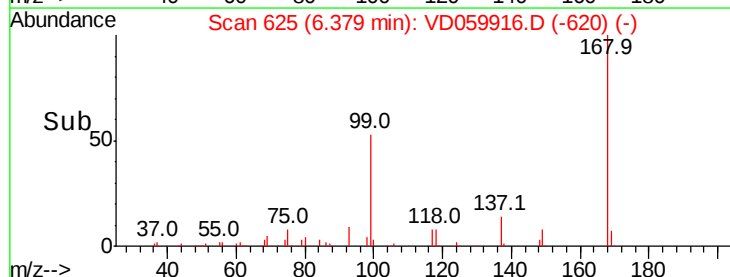
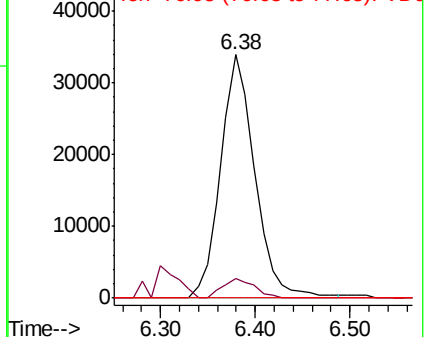
75 100

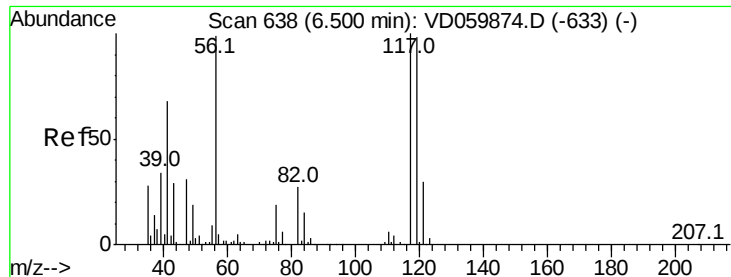
110 8.0 18.6 56.0#

77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 6.129 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

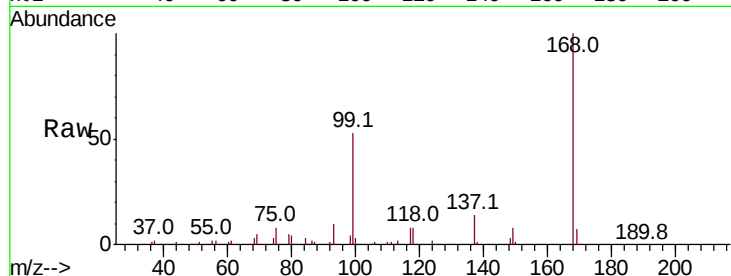
Tot Ion:117 Resp: 94699

Ion Ratio Lower Upper

117 100

119 3.6 77.2 115.8#

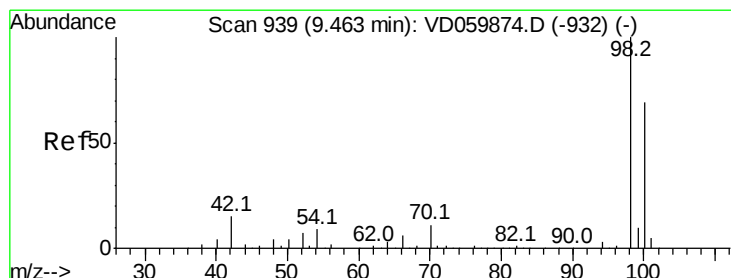
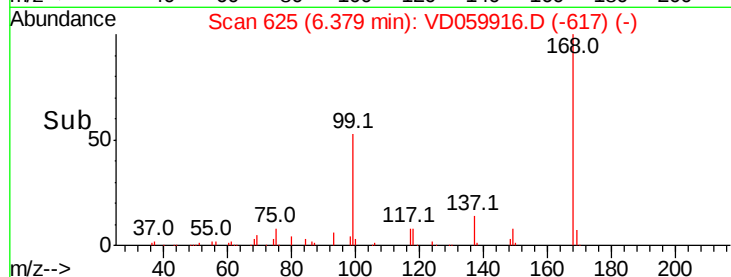
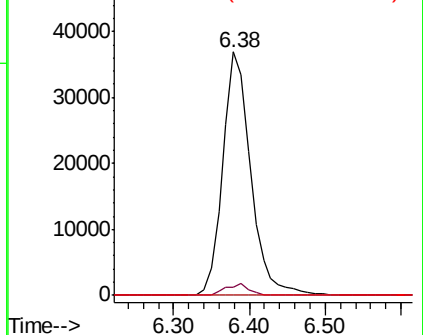
121 0.0 24.0 36.0#



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: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059916.D

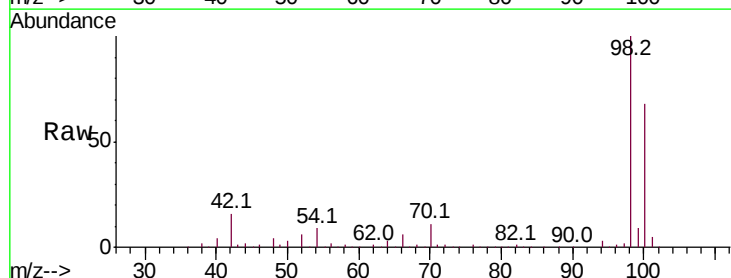
Acq: 27 Aug 2018 15:37

Tgt Ion: 98 Resp: 1650160

Ion Ratio Lower Upper

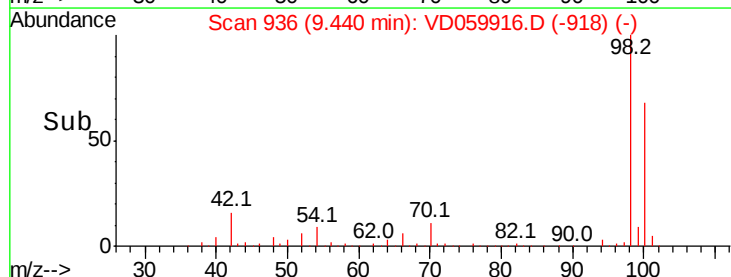
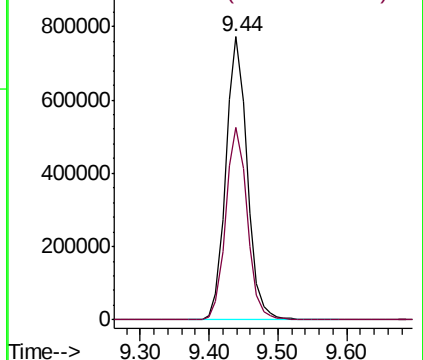
98 100

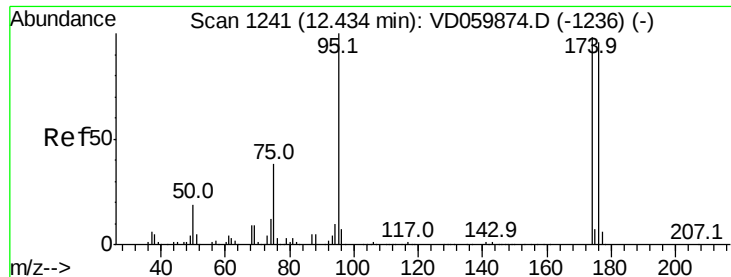
100 68.2 55.8 83.6



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: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

Instrument :

MSVOA_D

ClientSampleId :

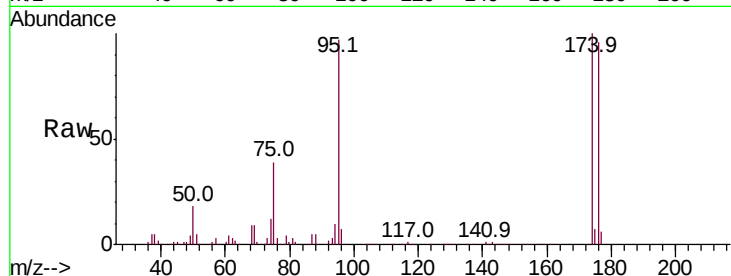
Tot Ion: 95 Resp: 670401

Ion Ratio Lower Upper

95 100

174 103.3 0.0 195.6

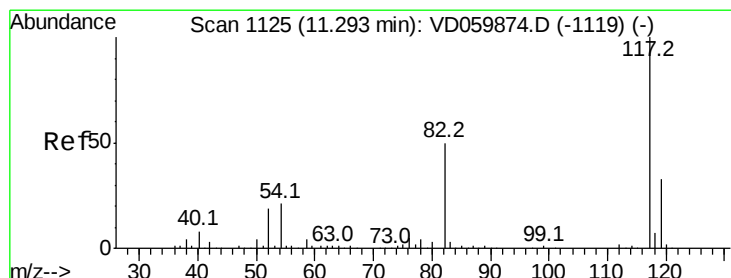
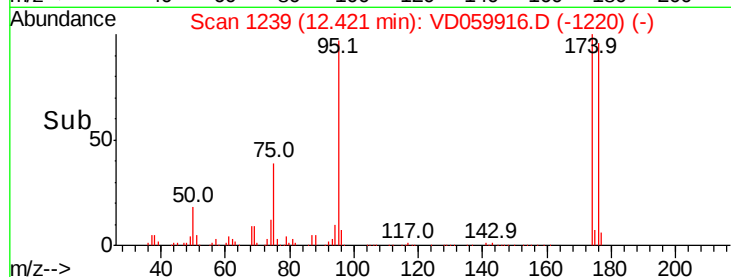
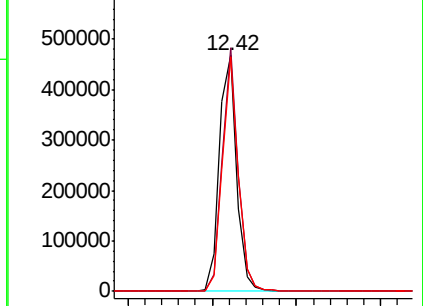
176 99.3 0.0 191.2



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: 11.27 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VD059916.D

Acq: 27 Aug 2018 15:37

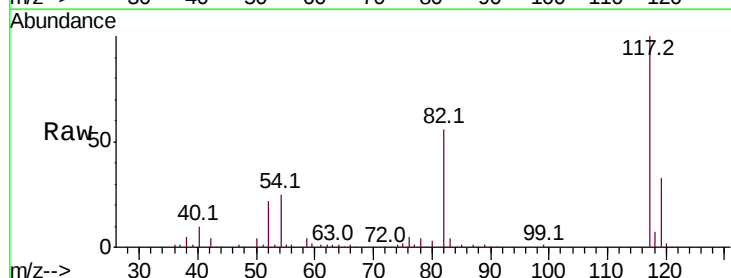
Tgt Ion: 117 Resp: 1380666

Ion Ratio Lower Upper

117 100

82 56.4 40.1 60.1

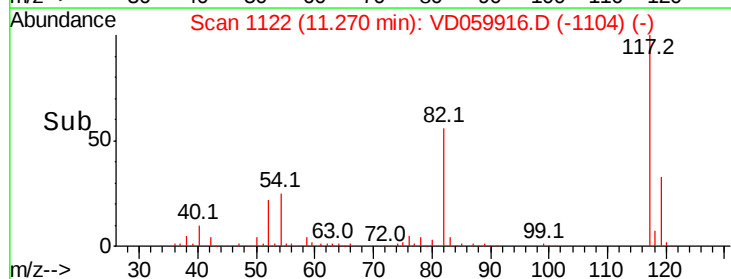
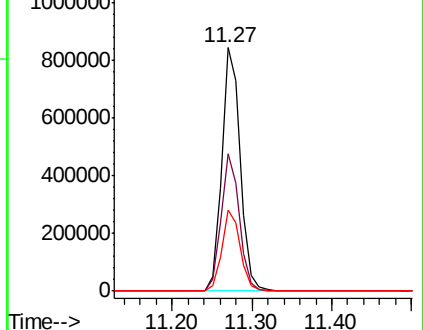
119 33.0 26.7 40.1

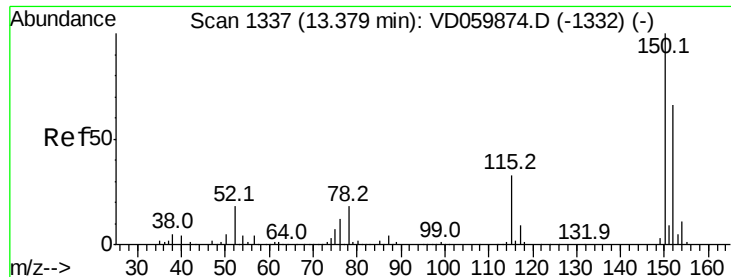


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

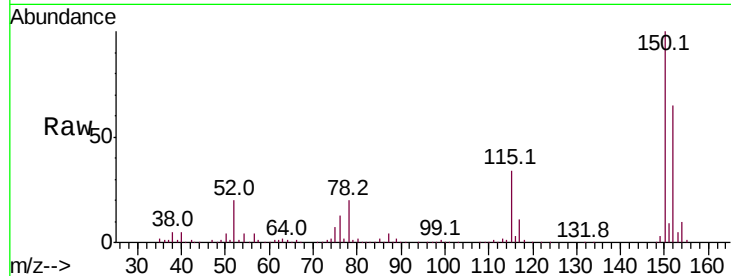




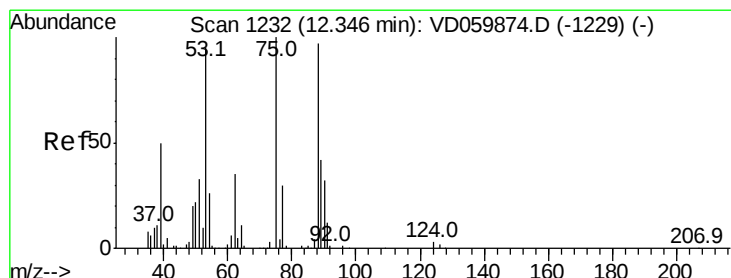
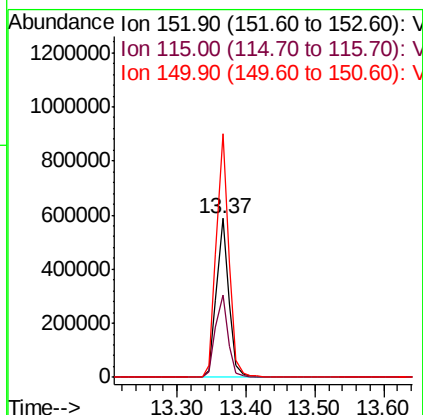
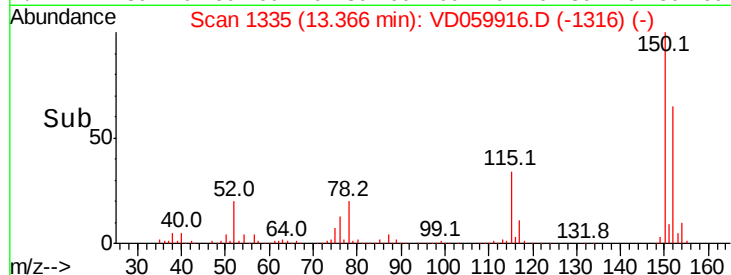
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VD059916.D
 Acq: 27 Aug 2018 15:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:152 Resp: 731633
 Ion Ratio Lower Upper
 152 100
 115 52.2 25.7 77.0
 150 153.1 0.0 310.2

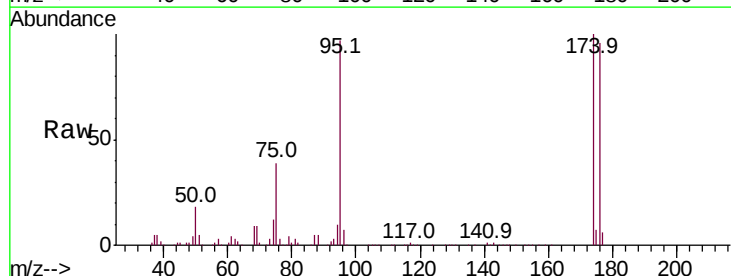


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.737 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. 0.08 min
 Lab File: VD059916.D
 Acq: 27 Aug 2018 15:37

Tgt Ion: 75 Resp: 278508
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.6#
 89 0.0 33.6 50.4#



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

