

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059915.D
 Acq On : 27 Aug 2018 15:09
 Operator : JC/SY
 Sample : J4646-13
 Misc : 5.54g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 16:14:54 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	1135739	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1595609	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1308457	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	644956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	447661	46.76	ug/l	-0.03
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	6.30	113	559479	44.72	ug/l	-0.03
Spiked Amount			Recovery	=	89.44%	
50) Toluene-d8	9.45	98	1525722	43.95	ug/l	-0.02
Spiked Amount			Recovery	=	87.90%	
62) 4-Bromofluorobenzene	12.42	95	598512	42.44	ug/l	-0.02
Spiked Amount			Recovery	=	84.88%	

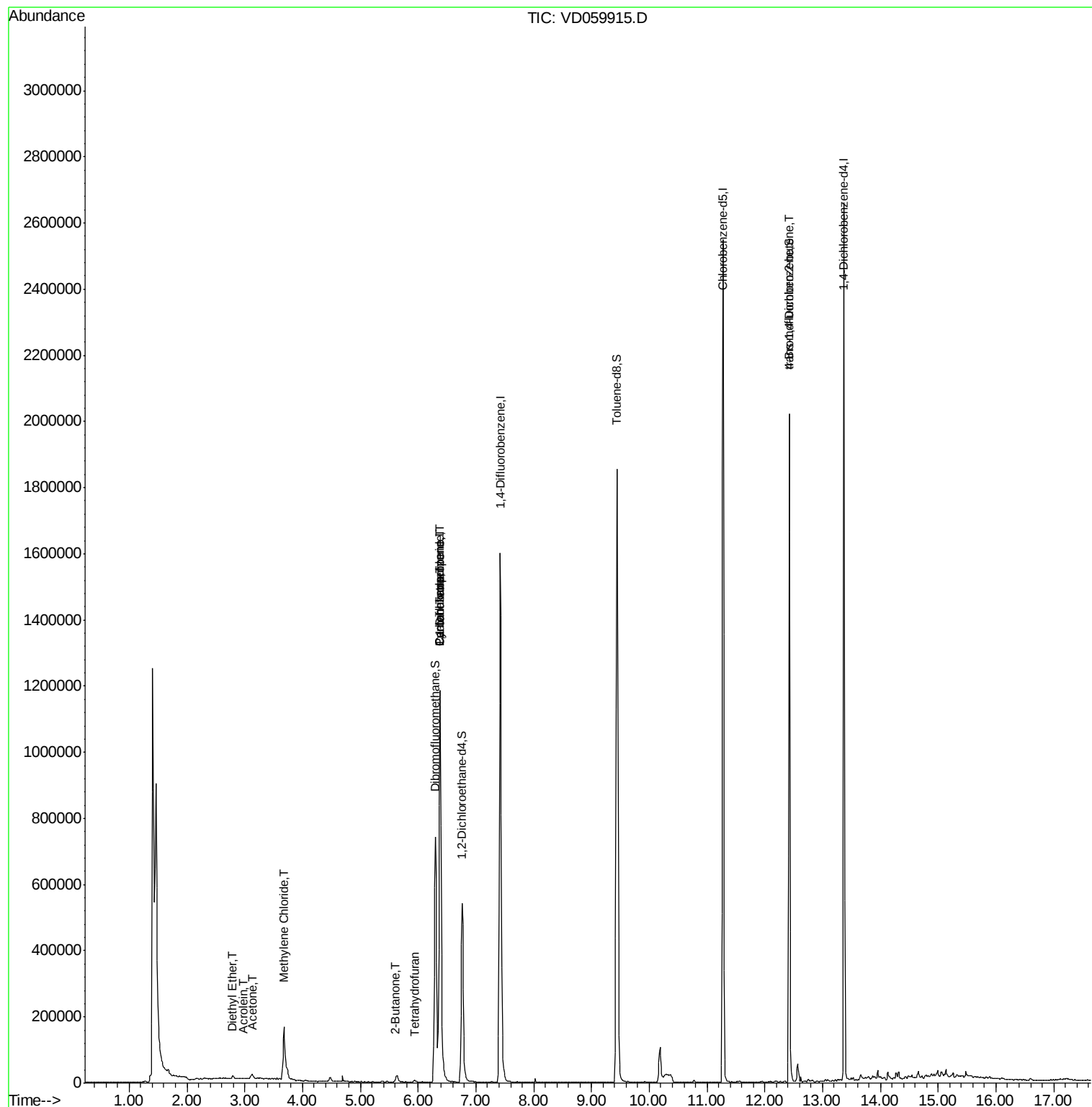
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.79	74	3146	1.681	ug/l	89
13) Acrolein	2.98	56	879	2.775	ug/l #	24
16) Acetone	3.13	43	35223	20.197	ug/l	93
20) Methylene Chloride	3.68	84	83209	3.702	ug/l	95
25) 2-Butanone	5.60	43	5827	1.128	ug/l #	63
29) Tetrahydrofuran	5.93	42	4234	1.722	ug/l #	71
31) Cyclohexane	6.39	56	22951	1.259	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	85573	5.916	ug/l #	46
38) Carbon Tetrachloride	6.38	117	94659	6.485	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	248687	79.755	ug/l #	12
89) n-Butylbenzene	13.64	91	2281	Below Cal	#	69

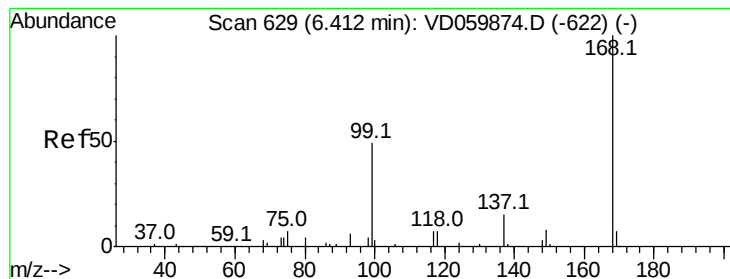
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082718\
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MSVOA_D
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Quant Time: Aug 27 16:14:54 2018
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: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :

MSVOA_D

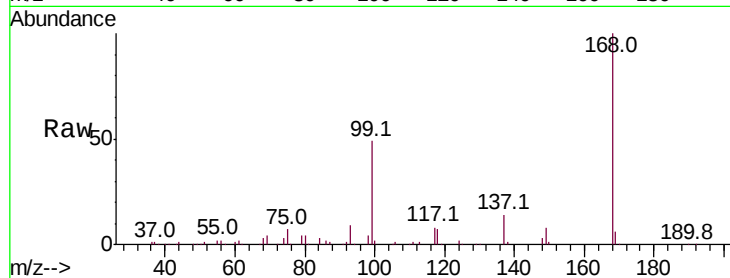
ClientSampleId :

Tot Ion:168 Resp: 1135739

Ion Ratio Lower Upper

168 100

99 49.0 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

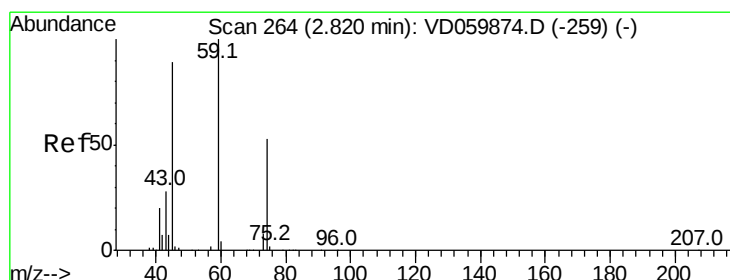
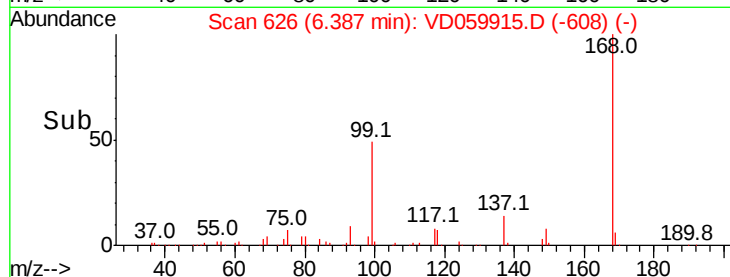
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 1.681 ug/l

RT: 2.79 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD059915.D

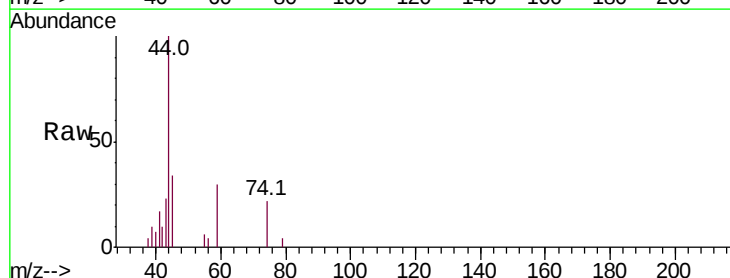
Acq: 27 Aug 2018 15:09

Tgt Ion: 74 Resp: 3146

Ion Ratio Lower Upper

74 100

45 156.3 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

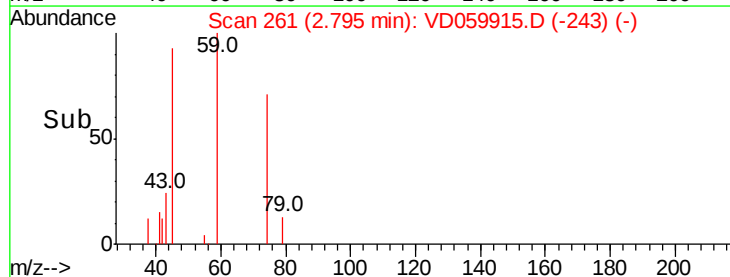
3000

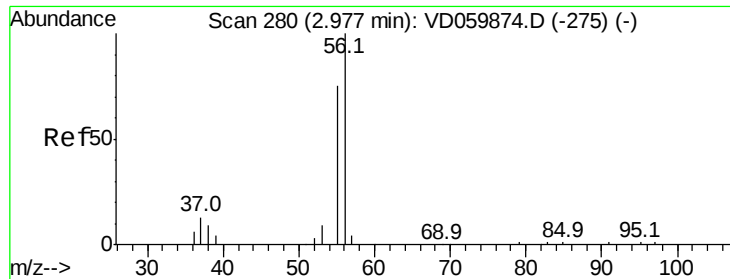
2000

1000

0

Time--> 2.75 2.80 2.85





#13

Acrolein

Concen: 2.775 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :

MSVOA_D

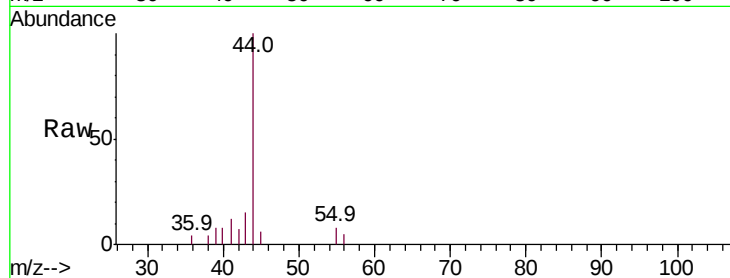
ClientSampleId :

Tot Ion: 56 Resp: 879

Ion Ratio Lower Upper

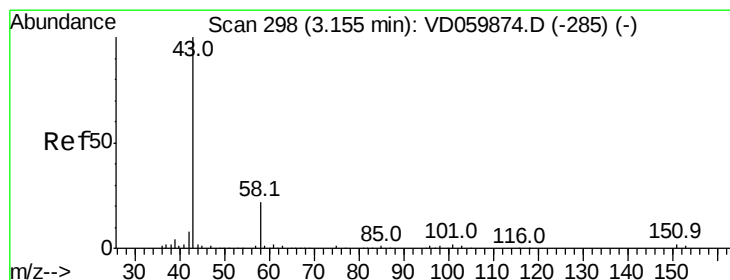
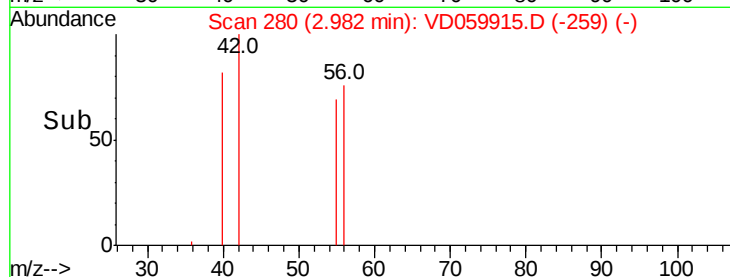
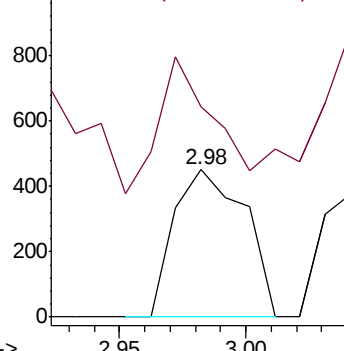
56 100

55 143.3 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: 20.197 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059915.D

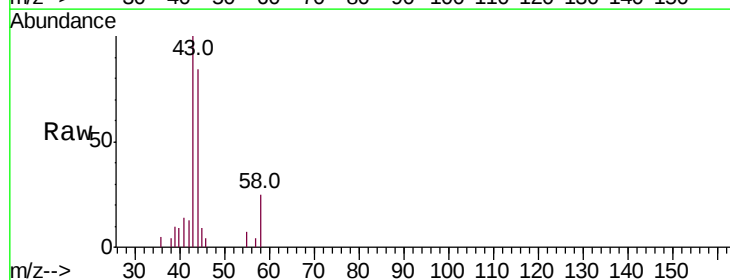
Acq: 27 Aug 2018 15:09

Tgt Ion: 43 Resp: 35223

Ion Ratio Lower Upper

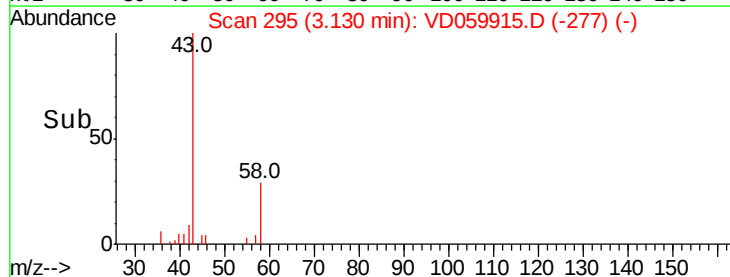
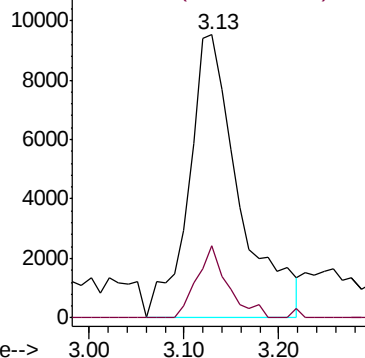
43 100

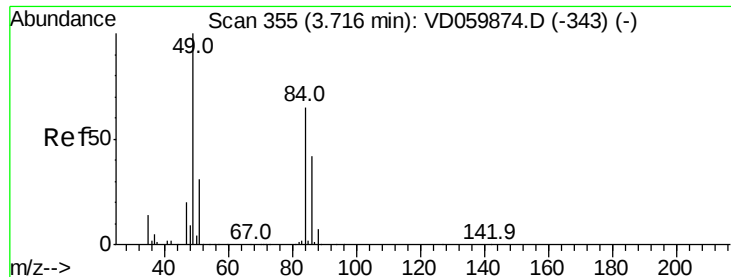
58 25.5 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.702 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 83209

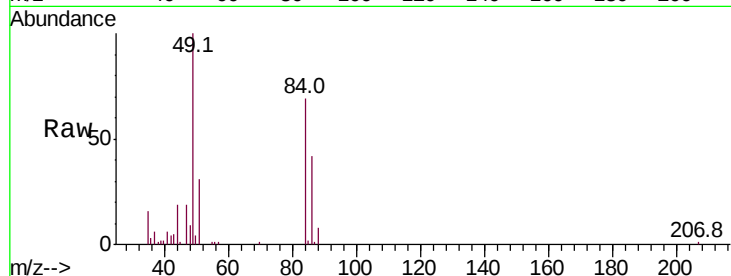
Ion Ratio Lower Upper

84 100

49 145.9 122.6 183.8

51 45.3 38.4 57.6

86 60.7 51.5 77.3

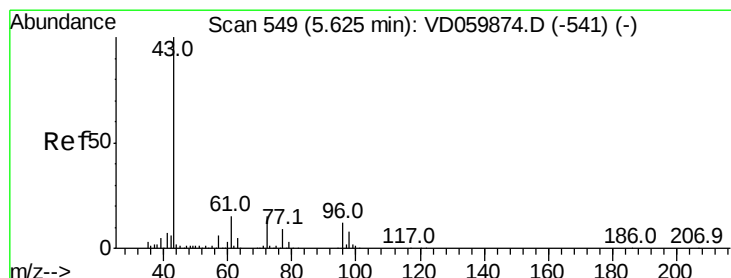
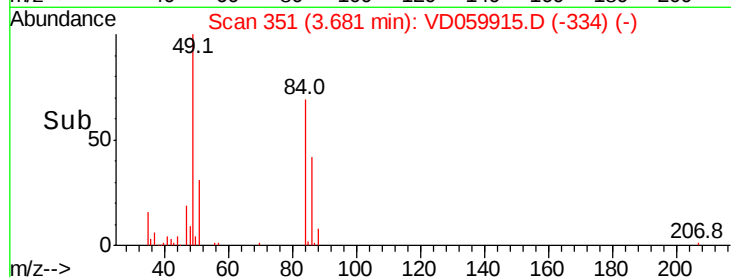
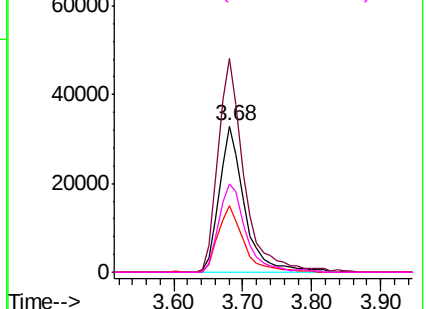


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.128 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059915.D

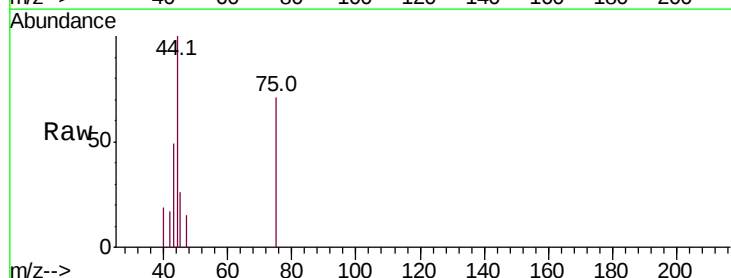
Acq: 27 Aug 2018 15:09

Tgt Ion: 43 Resp: 5827

Ion Ratio Lower Upper

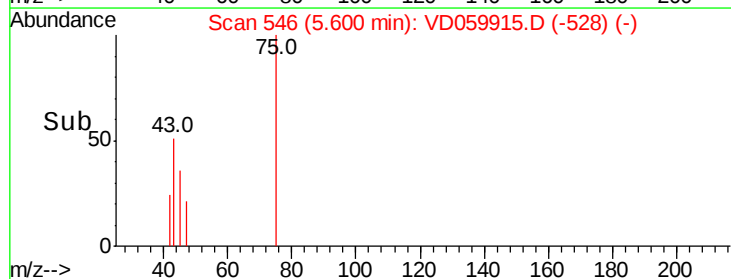
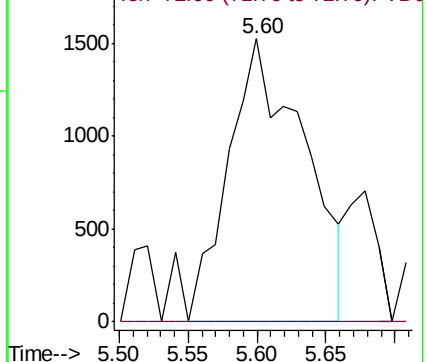
43 100

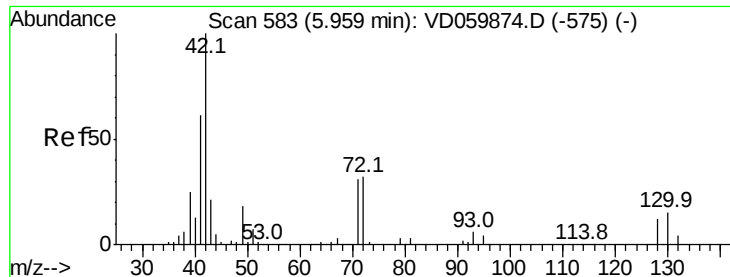
72 0.0 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.722 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :

MSVOA_D

ClientSampled :

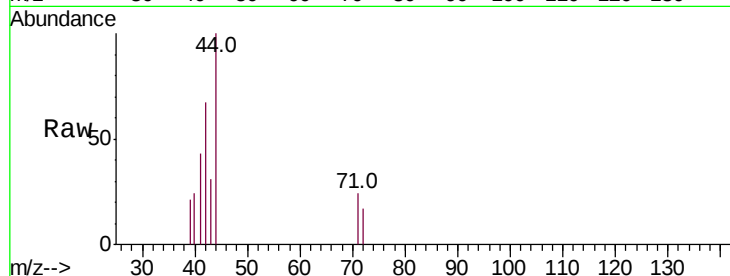
Tot Ion: 42 Resp: 4234

Ion Ratio Lower Upper

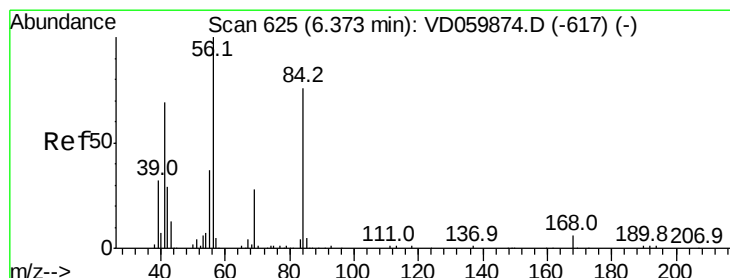
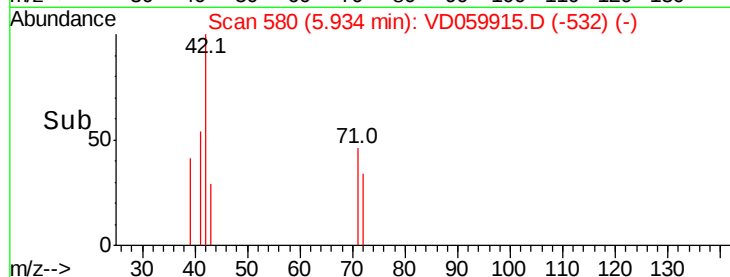
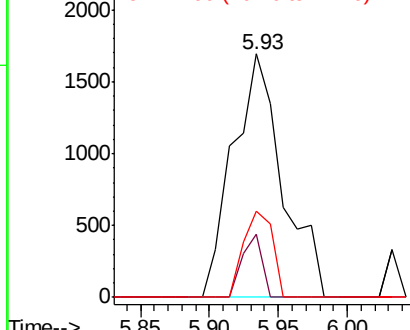
42 100

72 10.5 25.7 38.5#

71 20.9 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: 1.259 ug/l

RT: 6.39 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

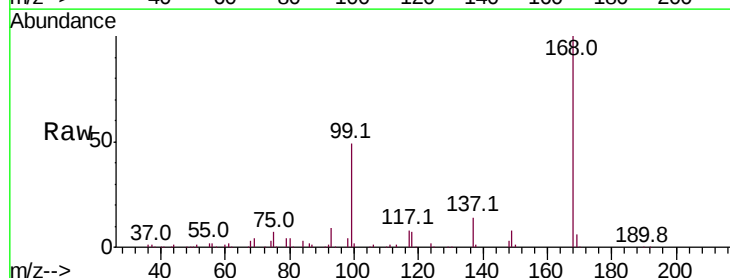
Tgt Ion: 56 Resp: 22951

Ion Ratio Lower Upper

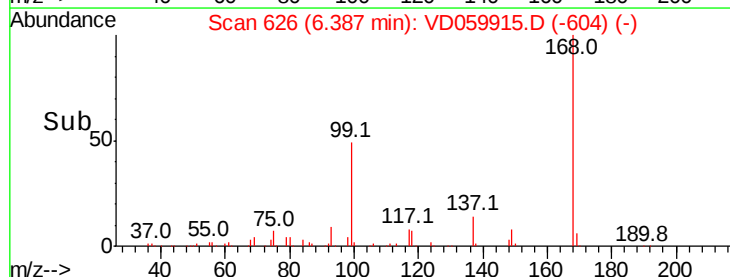
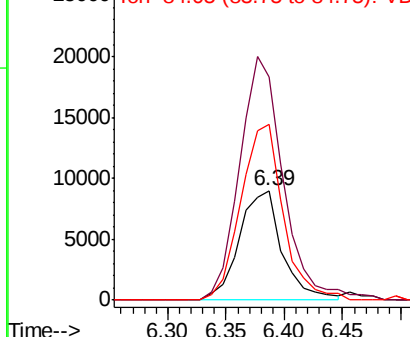
56 100

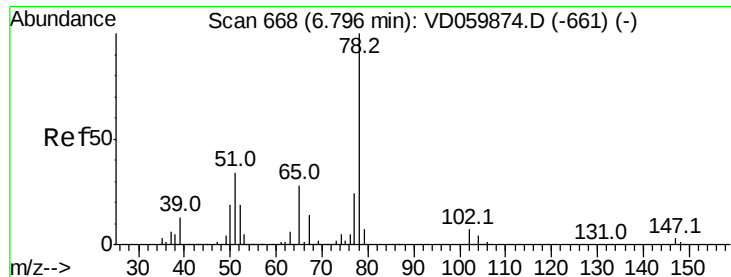
69 203.3 22.4 33.6#

84 160.2 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: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :

MSVOA_D

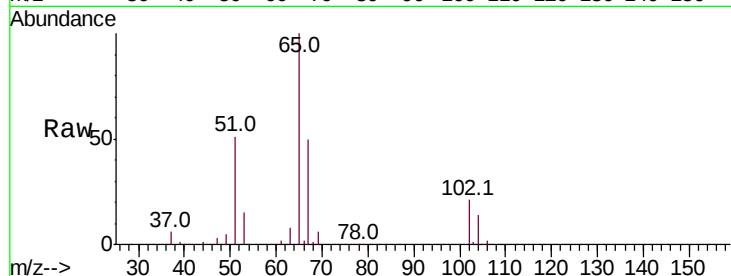
ClientSampleId :

Tot Ion: 65 Resp: 447661

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

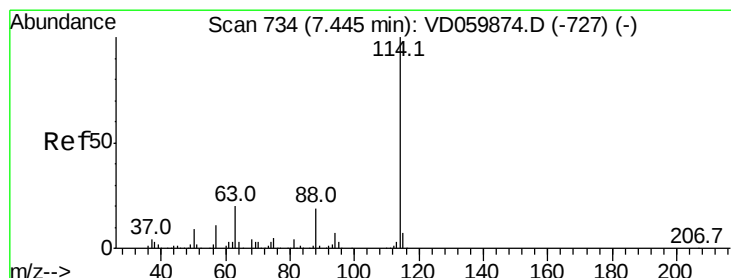
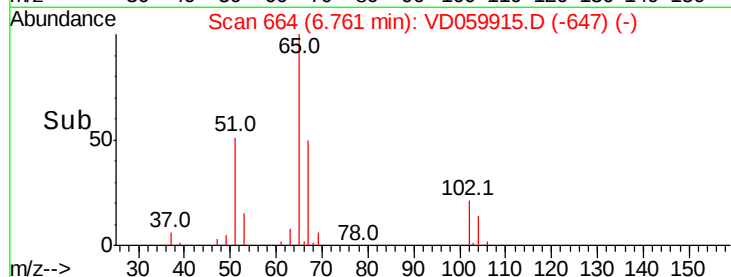
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

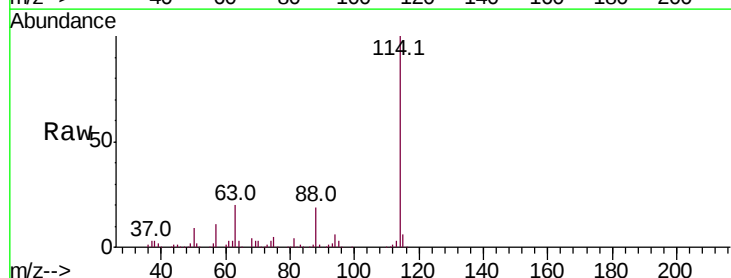
Tgt Ion:114 Resp: 1595609

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 19.3 0.0 37.6



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

7.42

800000

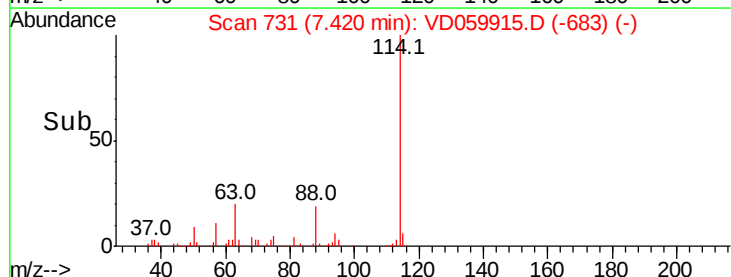
600000

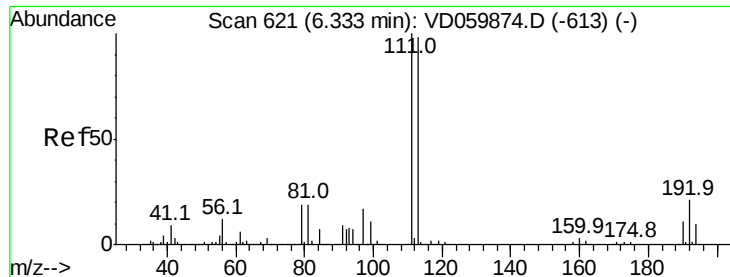
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :
MSVOA_D
ClientSampleId :

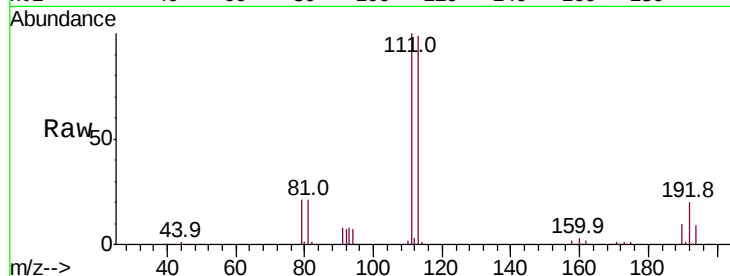
Tot Ion:113 Resp: 559479

Ion Ratio Lower Upper

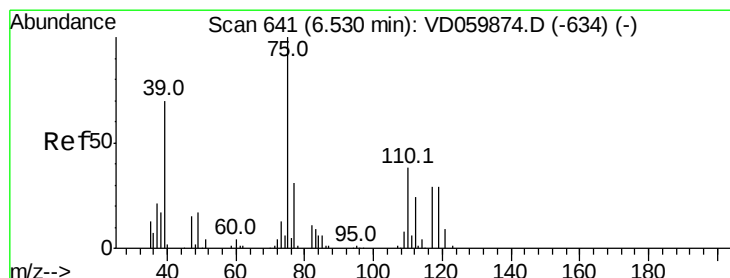
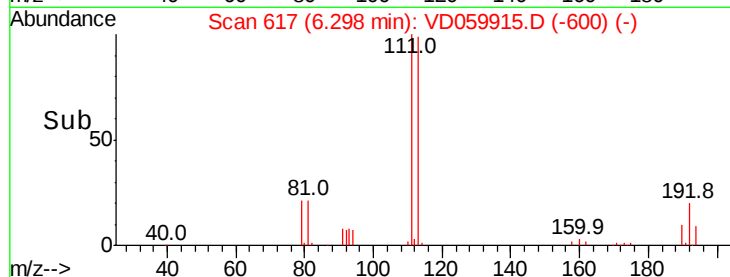
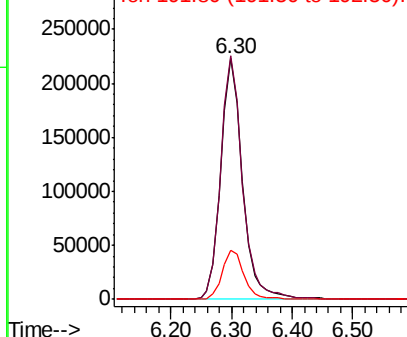
113 100

111 101.3 81.4 122.2

192 20.3 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: 5.916 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

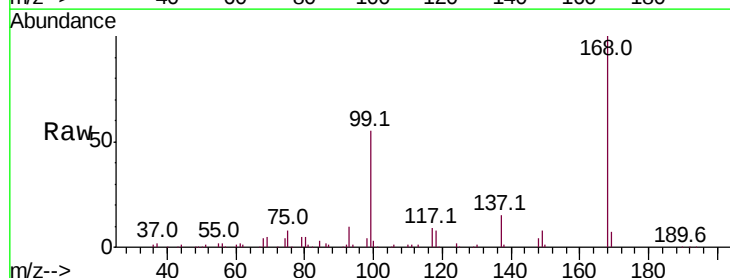
Tgt Ion: 75 Resp: 85573

Ion Ratio Lower Upper

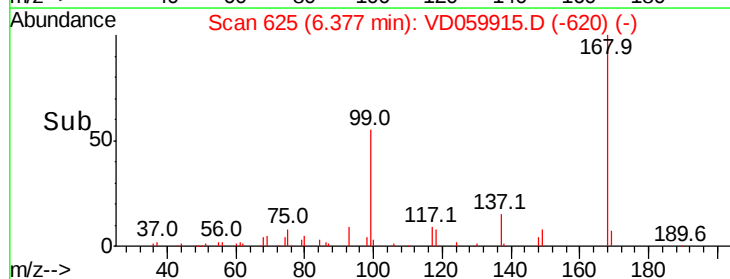
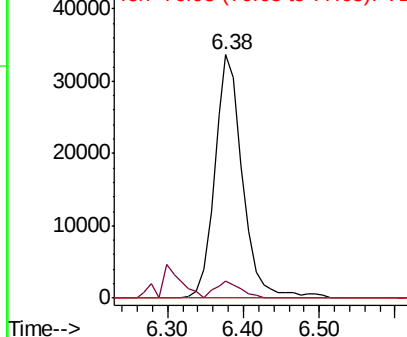
75 100

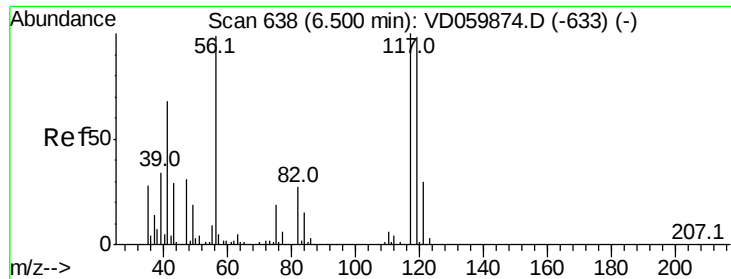
110 6.9 18.6 56.0#

77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059915.D

Acq: 27 Aug 2018 15:09

Instrument :

MSVOA_D

ClientSampleId :

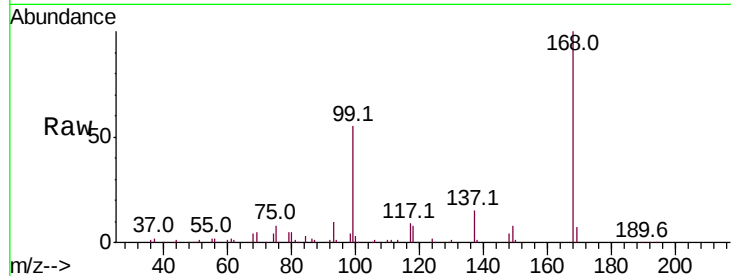
Tot Ion:117 Resp: 94659

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

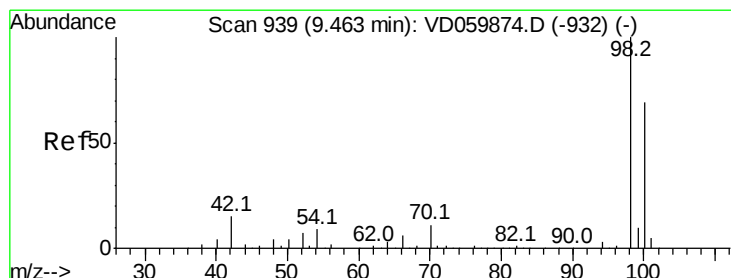
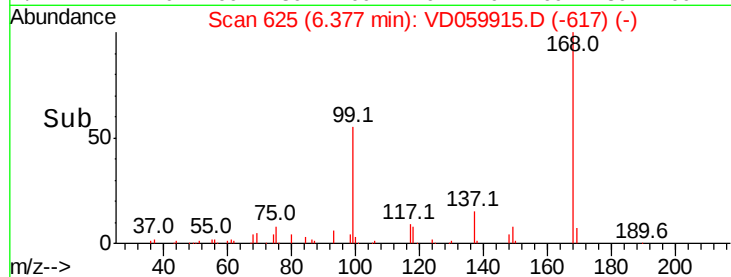
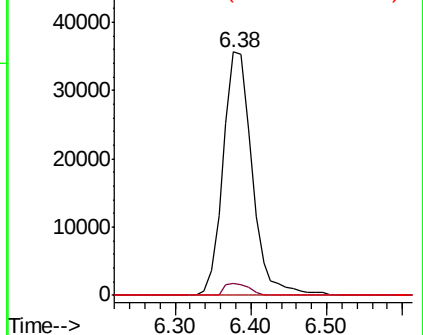
121 0.0 24.0 36.0#



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: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059915.D

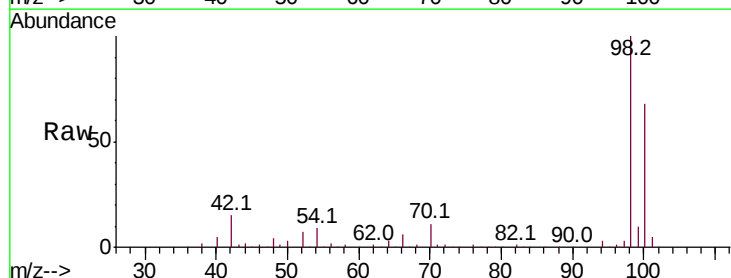
Acq: 27 Aug 2018 15:09

Tgt Ion: 98 Resp: 1525722

Ion Ratio Lower Upper

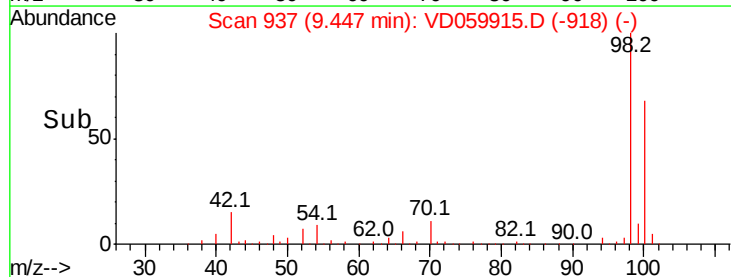
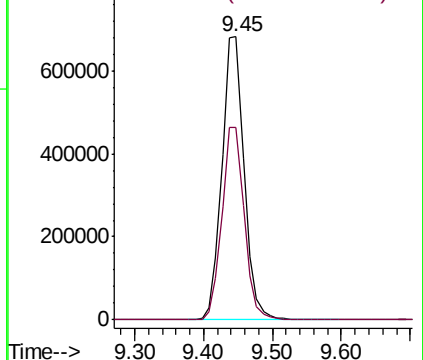
98 100

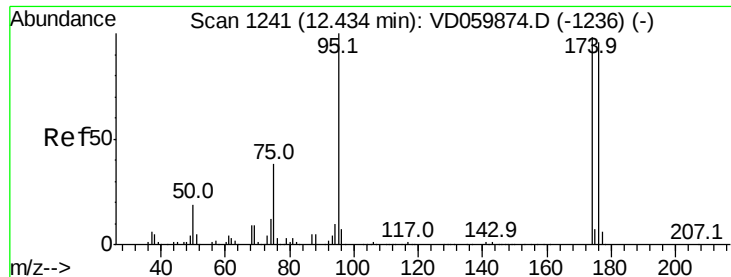
100 68.0 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

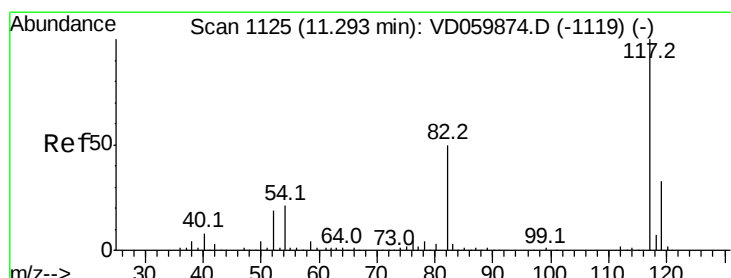
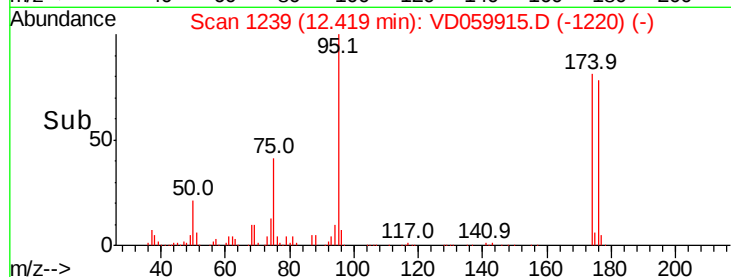
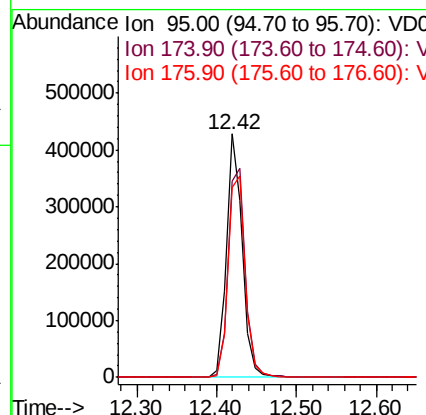
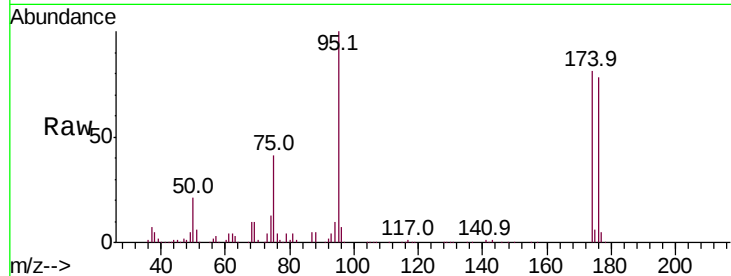




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059915.D
Acq: 27 Aug 2018 15:09

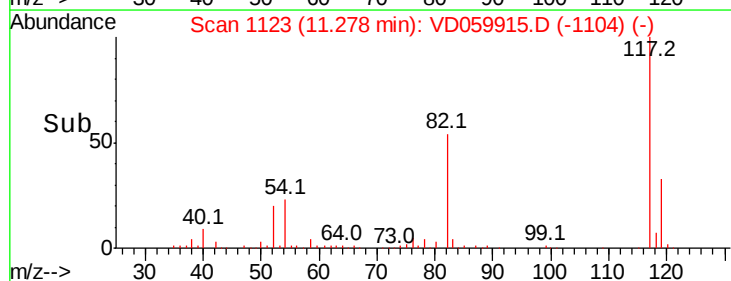
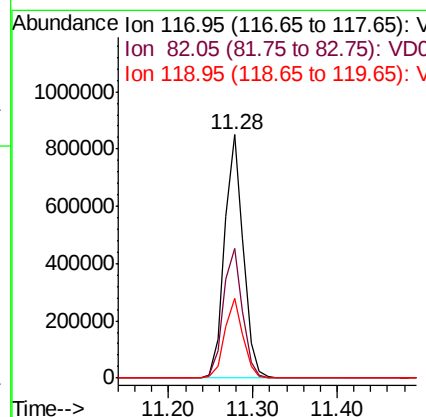
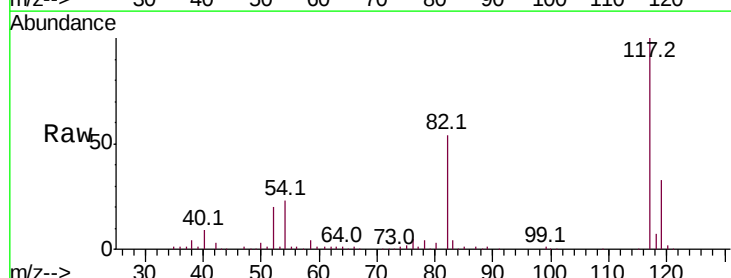
Instrument :
MSVOA_D
ClientSampled :

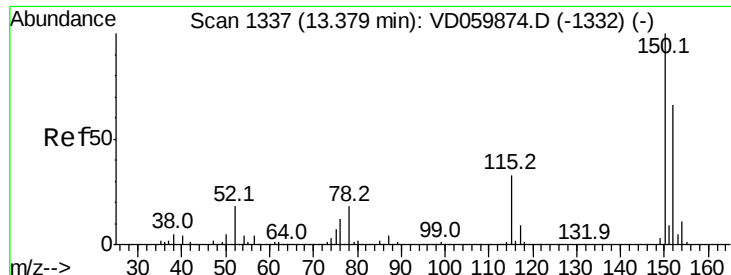
Tot Ion: 95 Resp: 598512
Ion Ratio Lower Upper
95 100
174 80.7 0.0 195.6
176 78.1 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059915.D
Acq: 27 Aug 2018 15:09

Tgt Ion: 117 Resp: 1308457
Ion Ratio Lower Upper
117 100
82 53.5 40.1 60.1
119 32.5 26.7 40.1



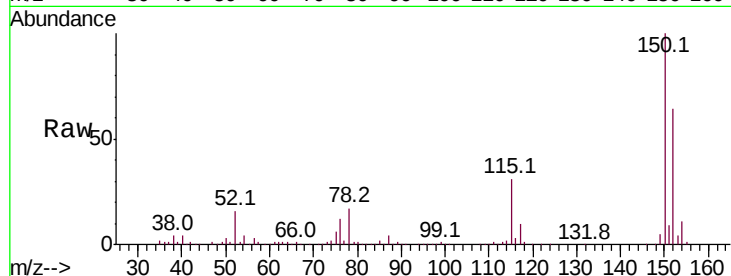


#72

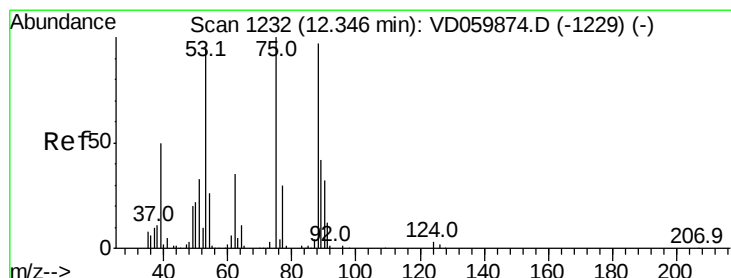
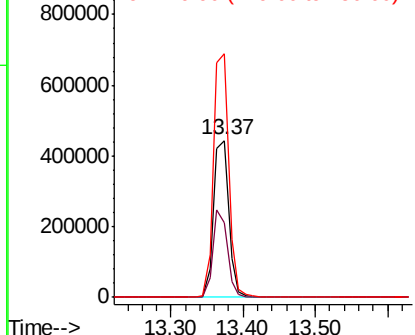
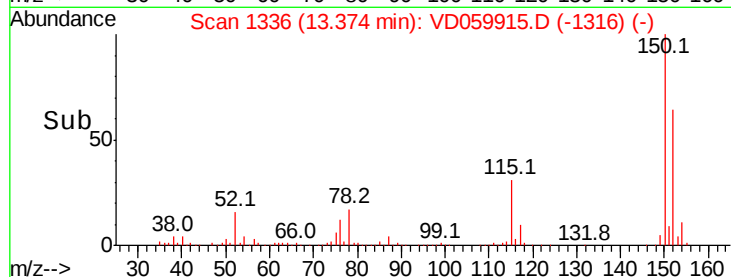
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059915.D
Acq: 27 Aug 2018 15:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 644956
Ion Ratio Lower Upper
152 100
115 47.4 25.7 77.0
150 155.3 0.0 310.2



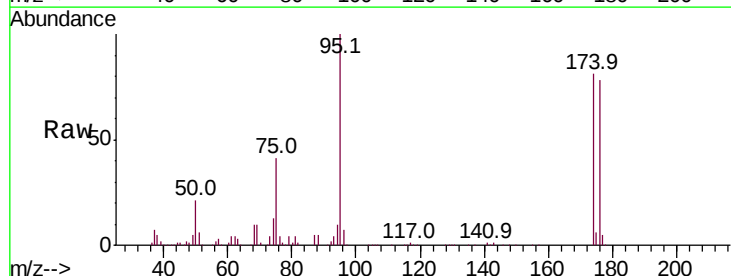
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 79.755 ug/l
RT: 12.42 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059915.D
Acq: 27 Aug 2018 15:09

Tgt Ion: 75 Resp: 248687
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

