

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059917.D
 Acq On : 27 Aug 2018 16:06
 Operator : JC/SY
 Sample : J4646-11
 Misc : 5.58g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 16:49:54 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	6.38	168	1266933	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1697304	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1460523	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	746036	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	482154	45.15	ug/l	-0.03
Spiked Amount			Recovery	=	90.30%	
35) Dibromofluoromethane	6.30	113	578582	43.48	ug/l	-0.03
Spiked Amount			Recovery	=	86.96%	
50) Toluene-d8	9.44	98	1552588	42.04	ug/l	-0.02
Spiked Amount			Recovery	=	84.08%	
62) 4-Bromofluorobenzene	12.42	95	604479	40.30	ug/l	-0.01
Spiked Amount			Recovery	=	80.60%	

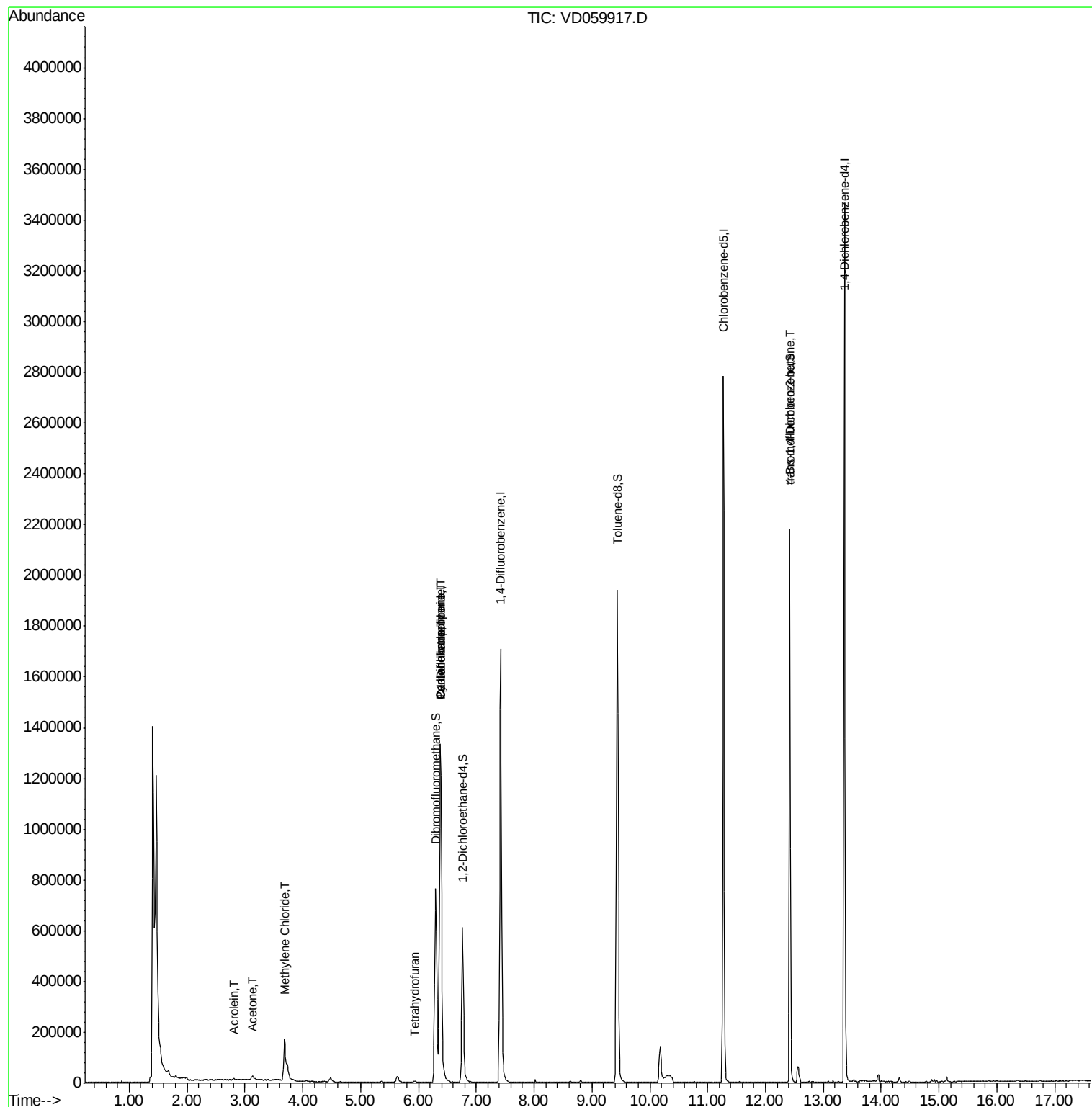
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.82	56	1228	3.475	ug/l	83
16) Acetone	3.13	43	28776	14.791	ug/l	91
20) Methylene Chloride	3.68	84	86023	3.136	ug/l	98
29) Tetrahydrofuran	5.93	42	4405	1.606	ug/l #	90
31) Cyclohexane	6.38	56	24069	1.184	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	90569	5.886	ug/l #	46
38) Carbon Tetrachloride	6.38	117	101045	6.508	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.42	75	251920	69.845	ug/l #	12
89) n-Butylbenzene	13.64	91	1205	Below Cal	#	63

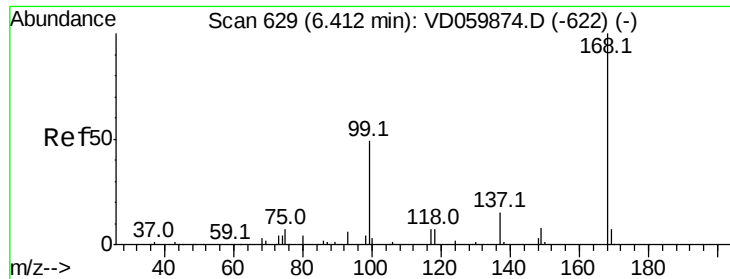
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

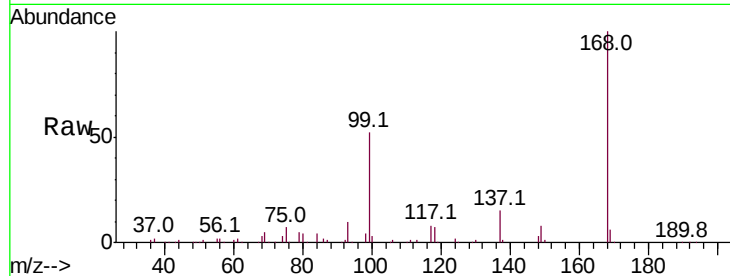
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1266933

Ion Ratio Lower Upper

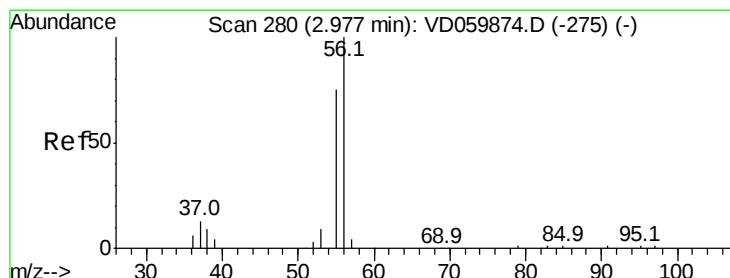
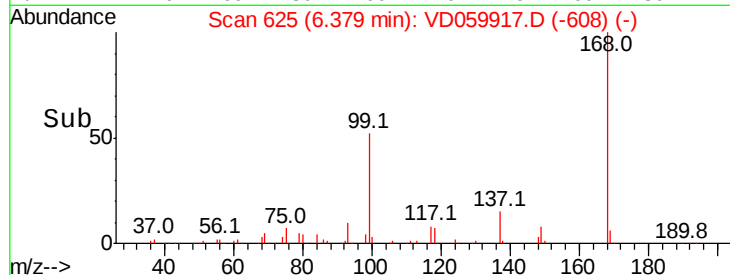
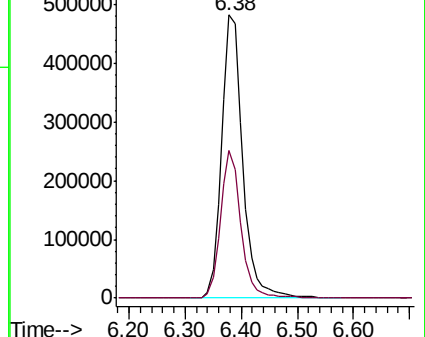
168 100

99 52.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 3.475 ug/l

RT: 2.82 min Scan# 263

Delta R.T. -0.16 min

Lab File: VD059917.D

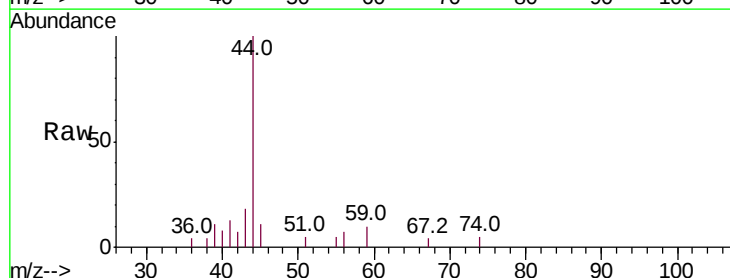
Acq: 27 Aug 2018 16:06

Tgt Ion: 56 Resp: 1228

Ion Ratio Lower Upper

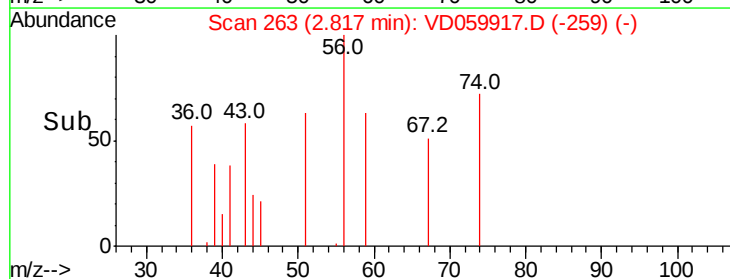
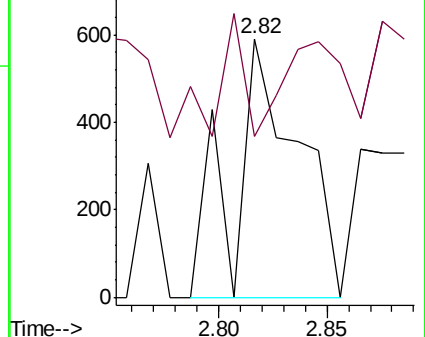
56 100

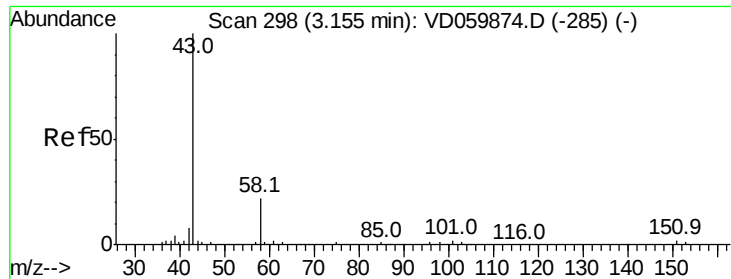
55 62.3 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 14.791 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

Instrument :

MSVOA_D

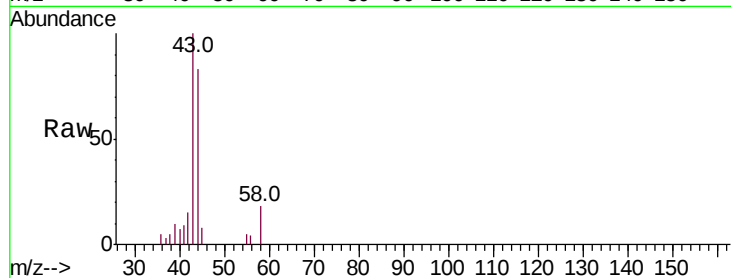
ClientSampleId :

Tot Ion: 43 Resp: 28776

Ion Ratio Lower Upper

43 100

58 17.9 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

4000

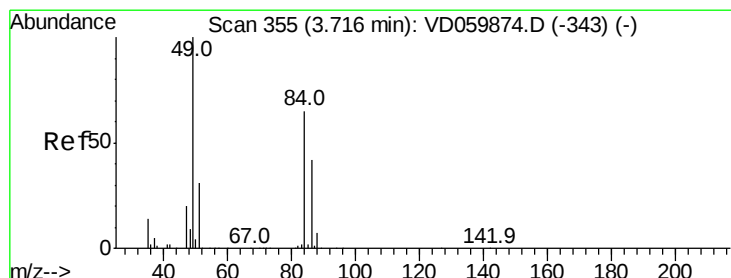
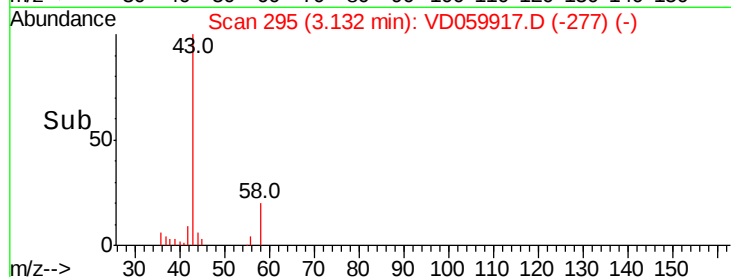
2000

0

Time-->

3.00 3.10 3.20

3.13



#20

Methylene Chloride

Concen: 3.136 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

Tgt Ion: 84 Resp: 86023

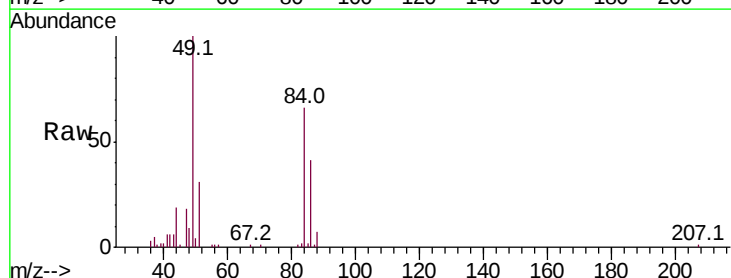
Ion Ratio Lower Upper

84 100

49 150.8 122.6 183.8

51 47.5 38.4 57.6

86 61.3 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

80000

60000

40000

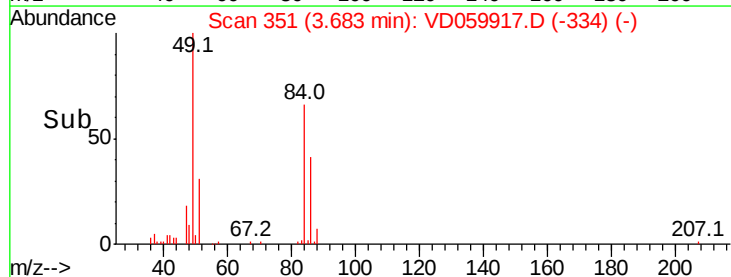
20000

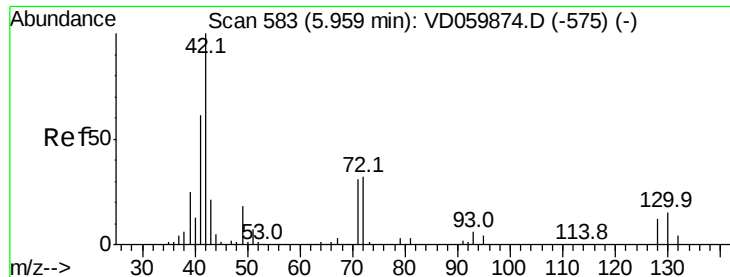
0

Time-->

3.60 3.70 3.80 3.90

3.68





#29

Tetrahydrofuran

Concen: 1.606 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

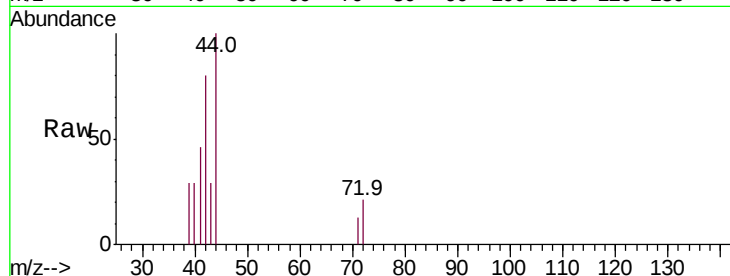
Tot Ion: 42 Resp: 4405

Ion Ratio Lower Upper

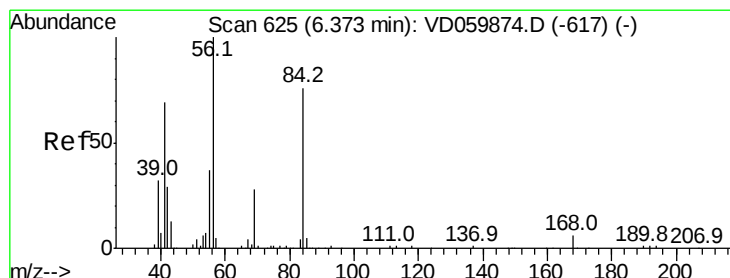
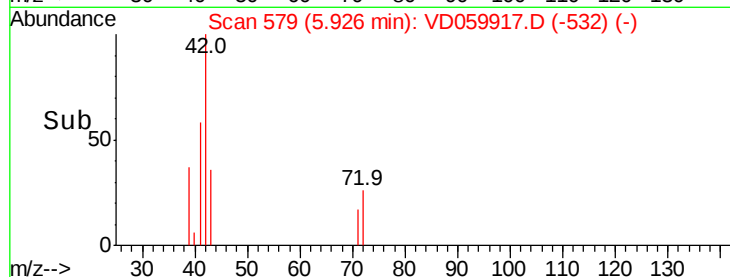
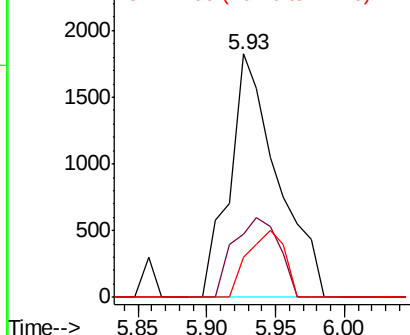
42 100

72 31.2 25.7 38.5

71 21.4 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: 1.184 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

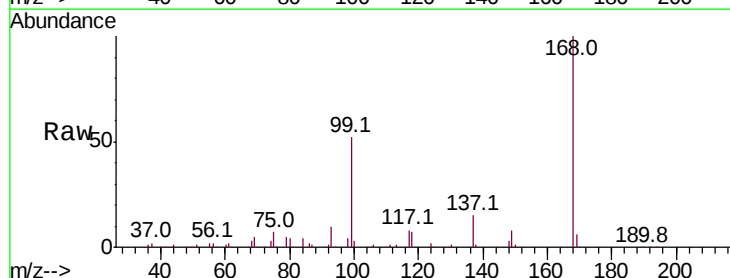
Tgt Ion: 56 Resp: 24069

Ion Ratio Lower Upper

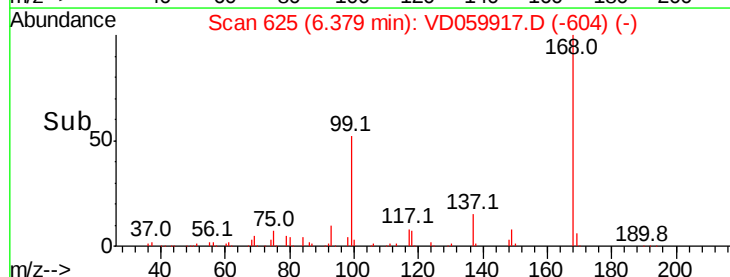
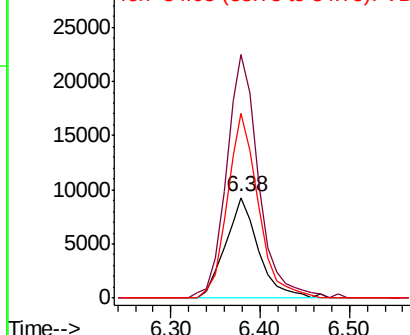
56 100

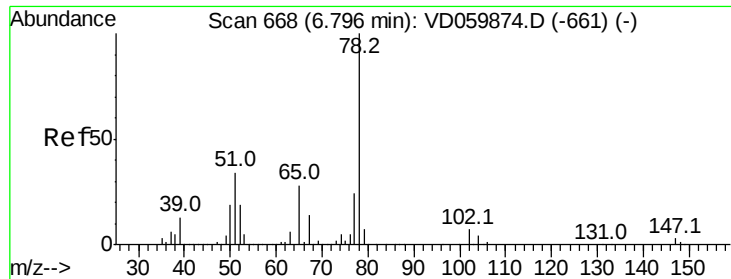
69 241.7 22.4 33.6#

84 183.1 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

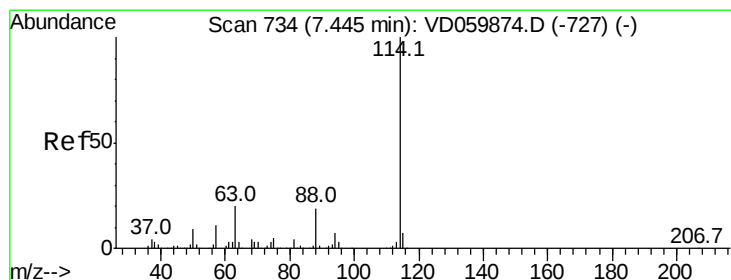
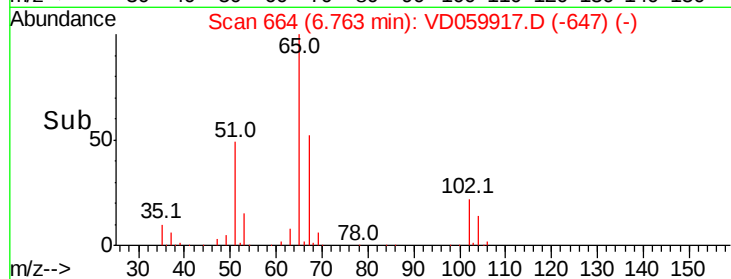
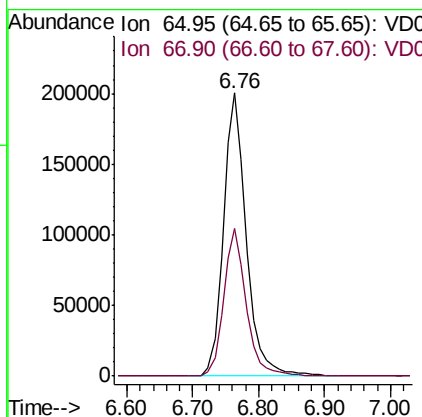
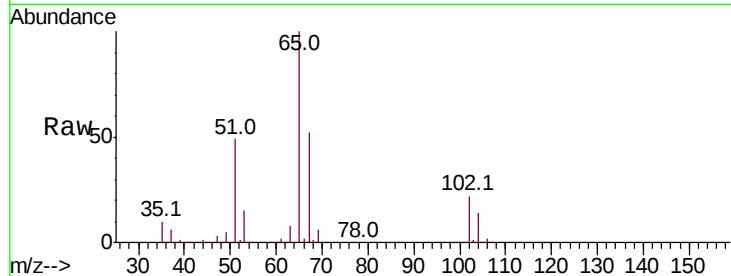




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059917.D
 Acq: 27 Aug 2018 16:06

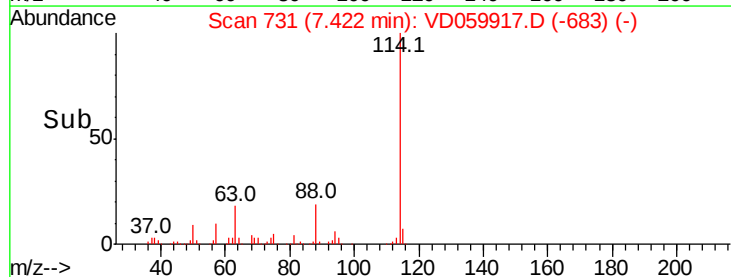
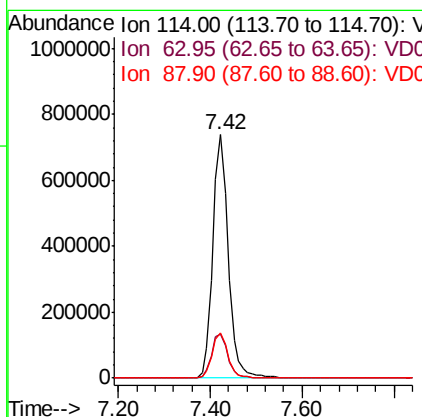
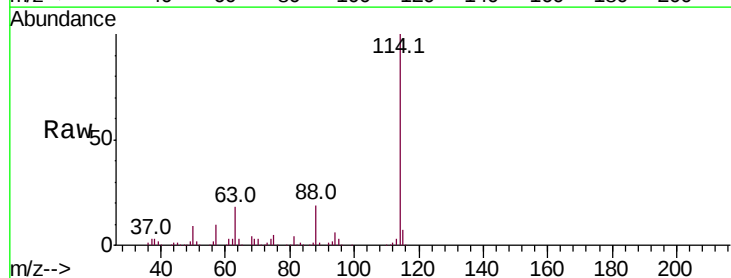
Instrument :
 MSVOA_D
 ClientSampleId :

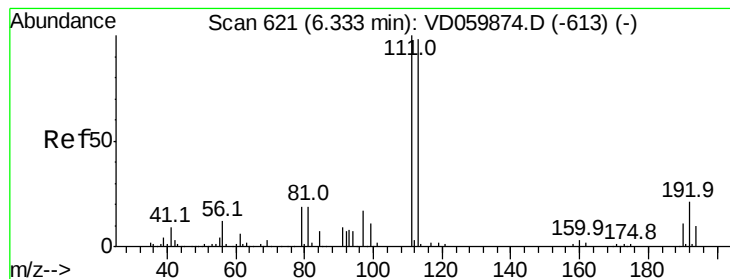
Tot Ion: 65 Resp: 482154
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059917.D
 Acq: 27 Aug 2018 16:06

Tgt Ion: 114 Resp: 1697304
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.4
 88 18.7 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: VD059917.D

Acq: 27 Aug 2018 16:06

Instrument :
MSVOA_D
ClientSampleId :

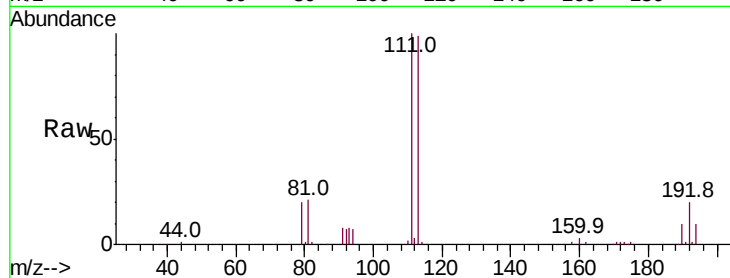
Tot Ion:113 Resp: 578582

Ion Ratio Lower Upper

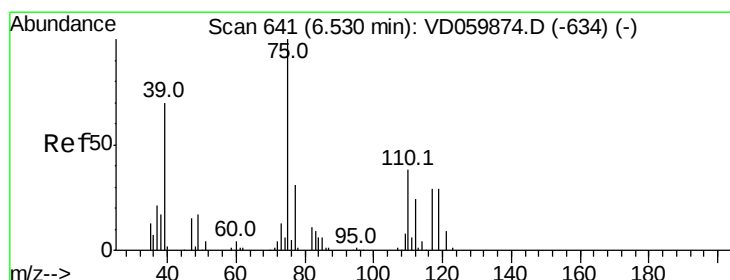
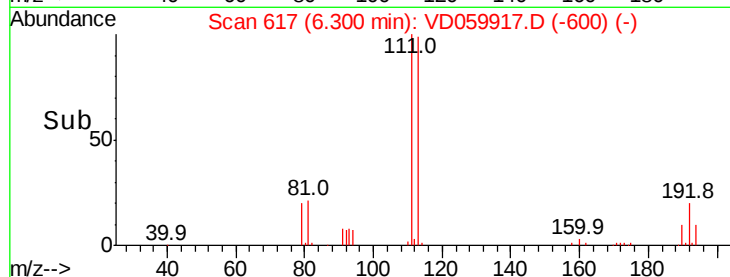
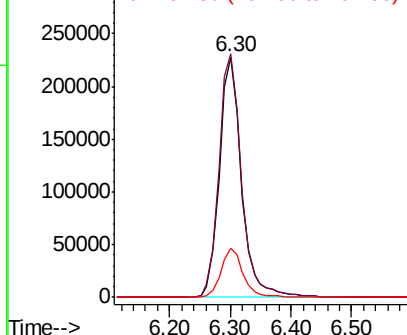
113 100

111 101.5 81.4 122.2

192 20.4 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: 5.886 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

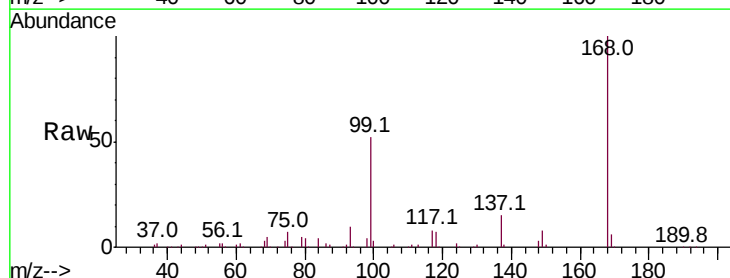
Tgt Ion: 75 Resp: 90569

Ion Ratio Lower Upper

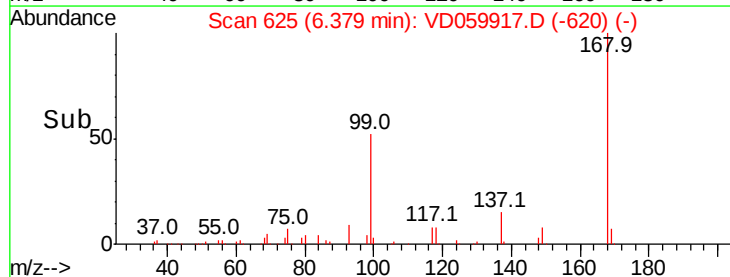
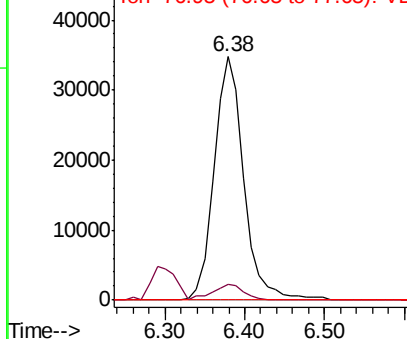
75 100

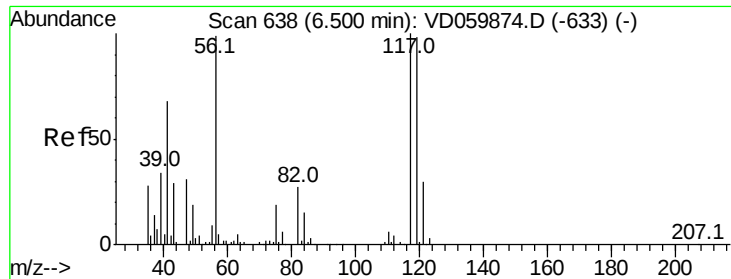
110 6.6 18.6 56.0#

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: 6.508 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059917.D

Acq: 27 Aug 2018 16:06

Instrument :
MSVOA_D
ClientSampled :

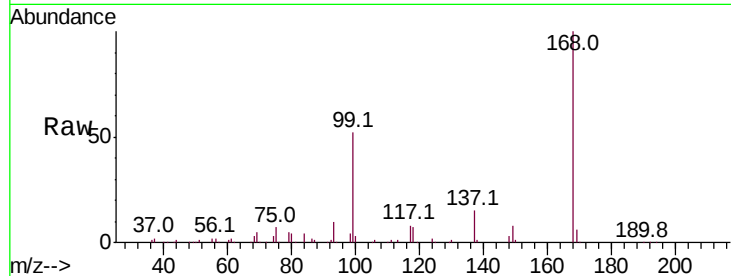
Tot Ion:117 Resp: 101045

Ion Ratio Lower Upper

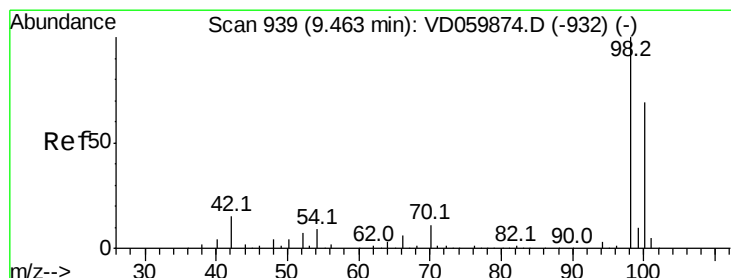
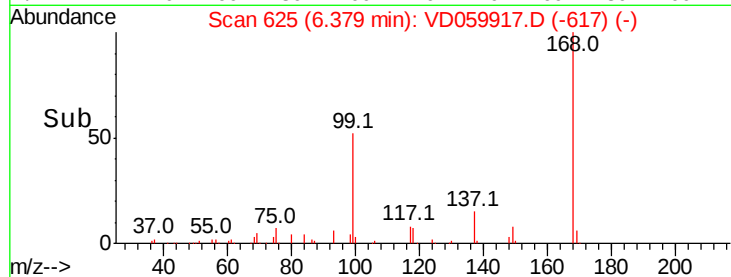
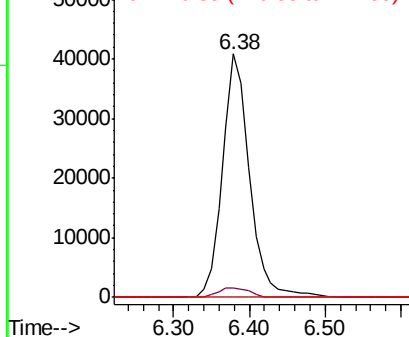
117 100

119 4.1 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: VD059917.D

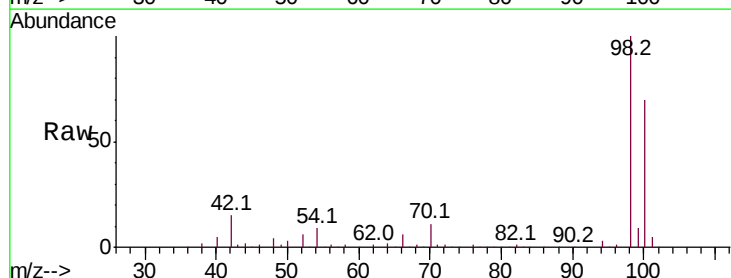
Acq: 27 Aug 2018 16:06

Tgt Ion: 98 Resp: 1552588

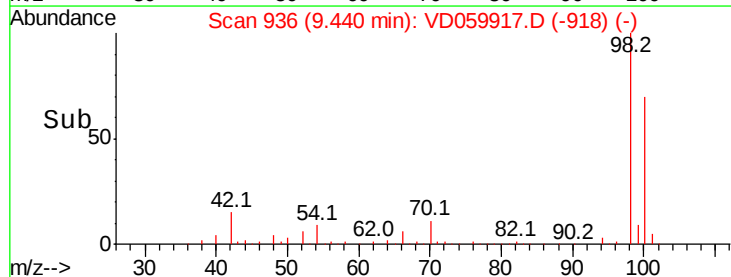
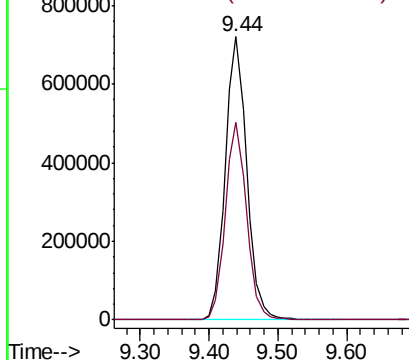
Ion Ratio Lower Upper

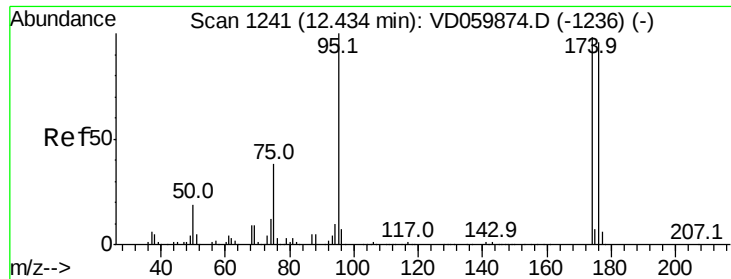
98 100

100 69.8 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: VD059917.D

Acq: 27 Aug 2018 16:06

Instrument :

MSVOA_D

ClientSampled :

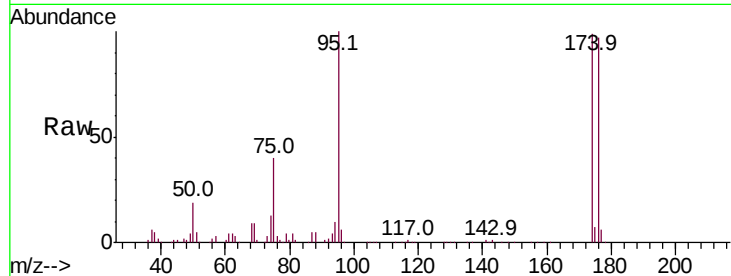
Tot Ion: 95 Resp: 604479

Ion Ratio Lower Upper

95 100

174 98.9 0.0 195.6

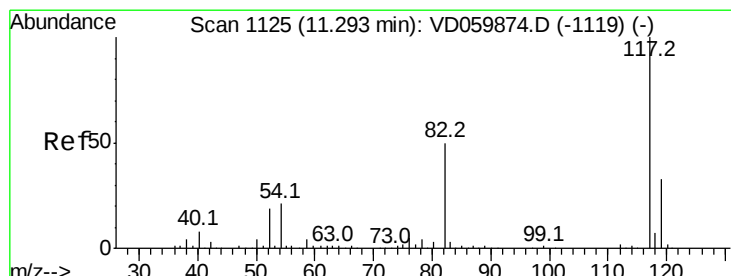
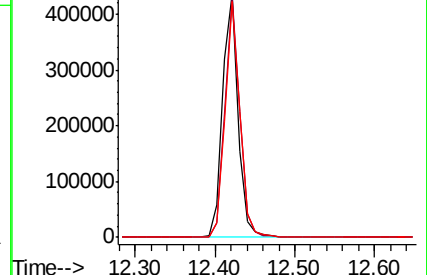
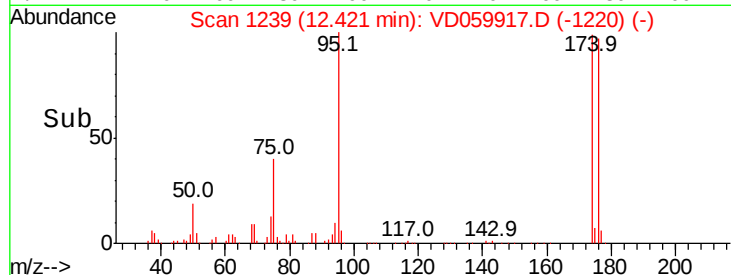
176 97.0 0.0 191.2



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: VD059917.D

Acq: 27 Aug 2018 16:06

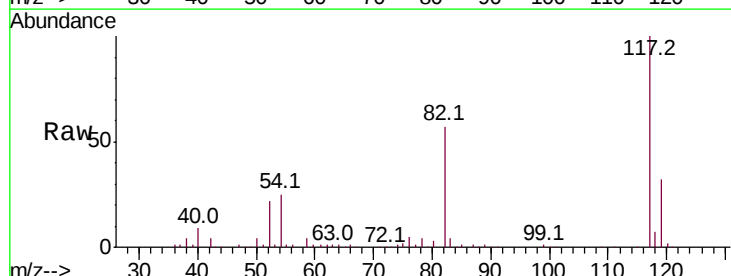
Tgt Ion: 117 Resp: 1460523

Ion Ratio Lower Upper

117 100

82 57.4 40.1 60.1

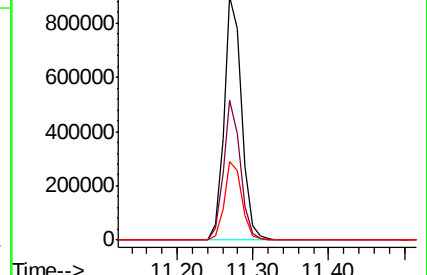
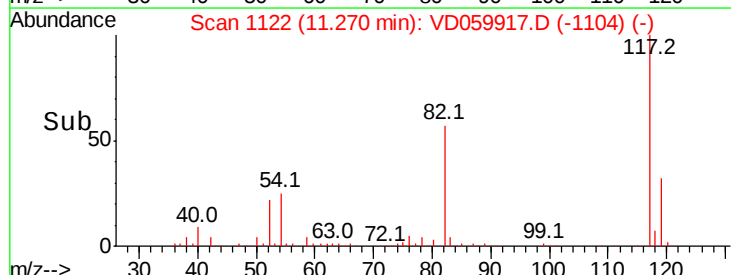
119 32.2 26.7 40.1

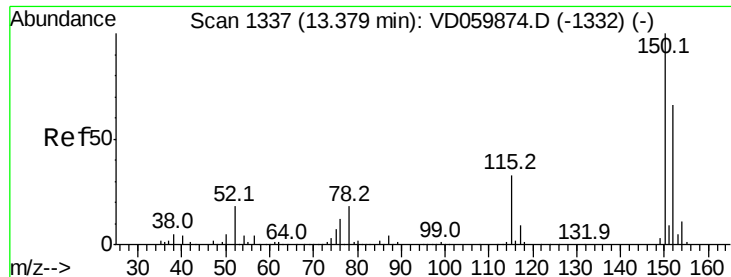


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

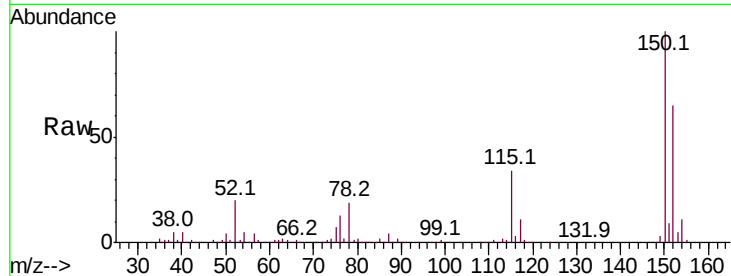




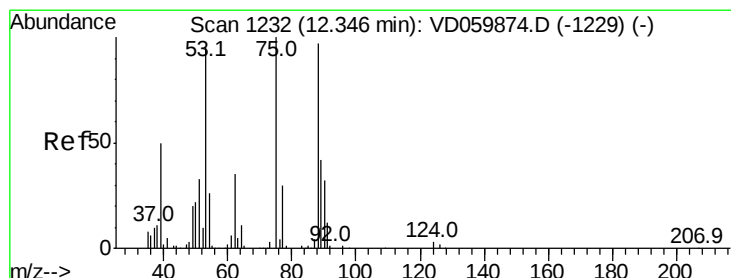
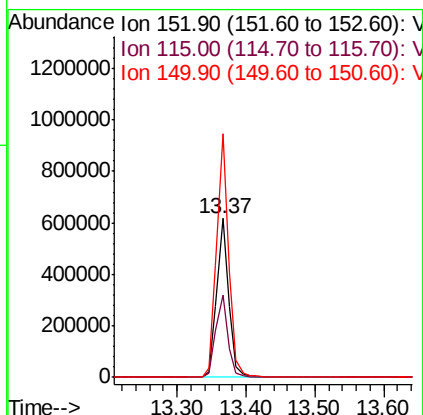
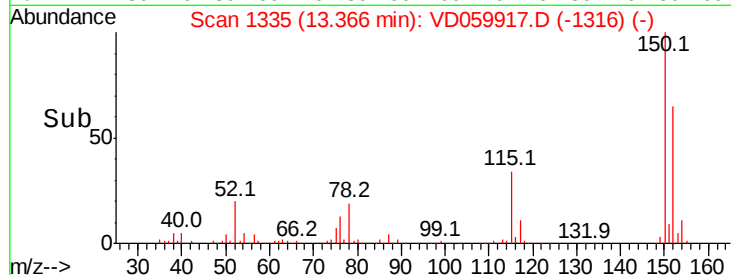
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.37 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VD059917.D
 Acq: 27 Aug 2018 16:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 746036
 Ion Ratio Lower Upper
 152 100
 115 51.9 25.7 77.0
 150 153.3 0.0 310.2

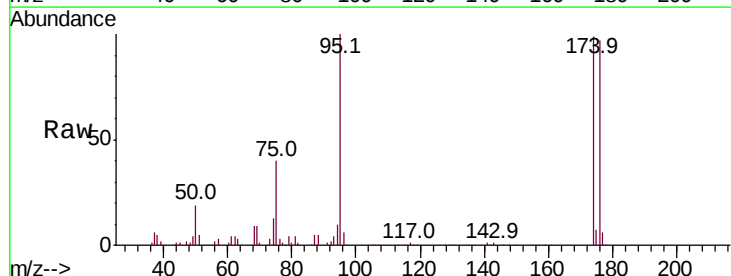


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.845 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. 0.08 min
 Lab File: VD059917.D
 Acq: 27 Aug 2018 16:06

Tgt Ion: 75 Resp: 251920
 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

