

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059918.D
 Acq On : 27 Aug 2018 16:34
 Operator : JC/SY
 Sample : J4646-10
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 17:08:01 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	1131344	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1576603	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1335424	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	632628	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	474615	49.77	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	99.54%	
35) Dibromofluoromethane	6.29	113	567431	45.91	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	91.82%	
50) Toluene-d8	9.44	98	1493134	43.53	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.06%	
62) 4-Bromofluorobenzene	12.41	95	574159	41.21	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.42%	

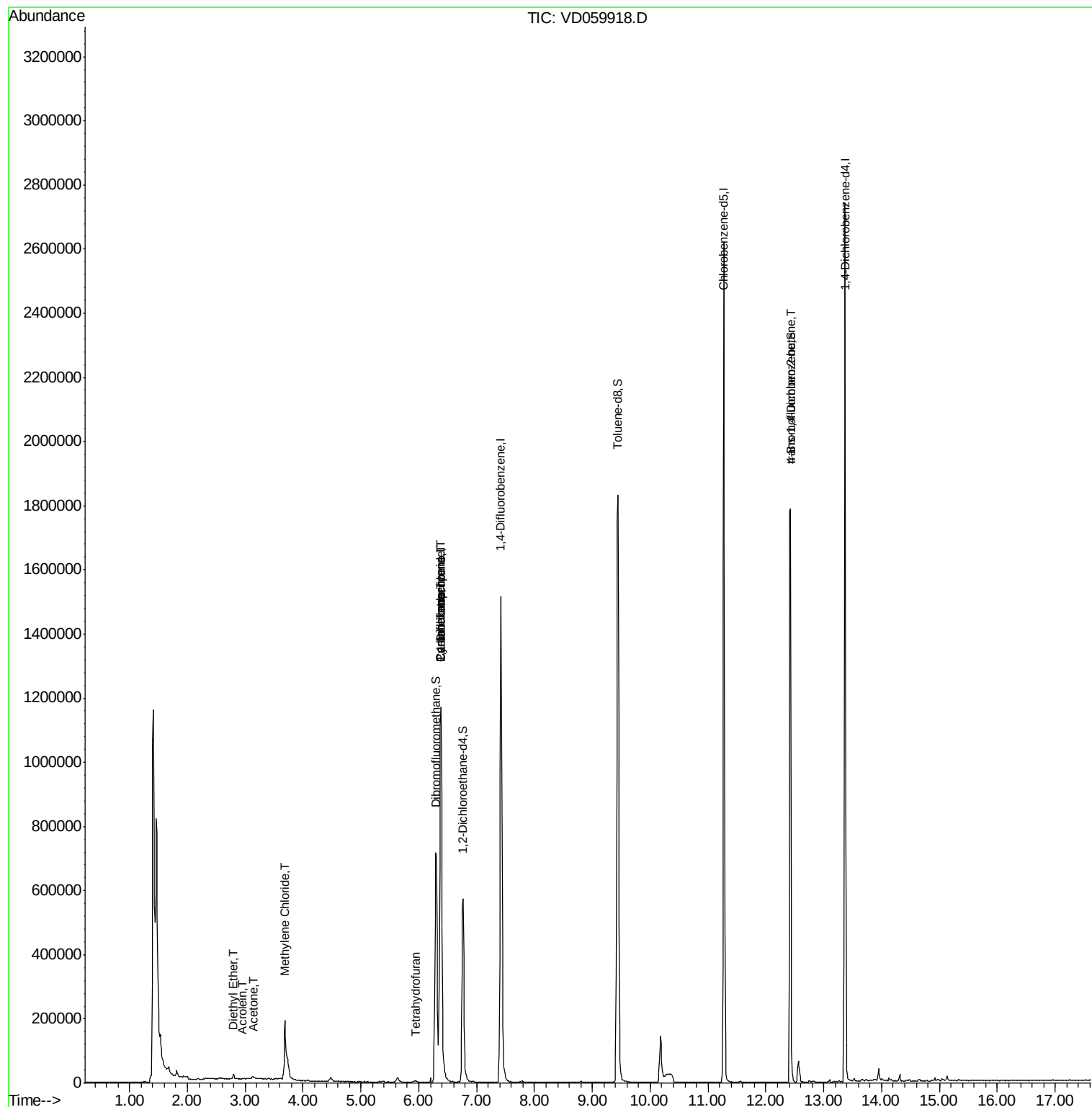
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.80	74	4425	2.373	ug/l	91
13) Acrolein	2.95	56	895	2.836	ug/l #	65
16) Acetone	3.12	43	17582	10.121	ug/l	100
20) Methylene Chloride	3.69	84	90164	4.380	ug/l	99
29) Tetrahydrofuran	5.93	42	4895	1.998	ug/l #	64
31) Cyclohexane	6.38	56	23728	1.307	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	82399	5.765	ug/l #	46
38) Carbon Tetrachloride	6.38	117	91352	6.334	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	233324	76.286	ug/l #	12
89) n-Butylbenzene	13.64	91	752	Below Cal	#	59

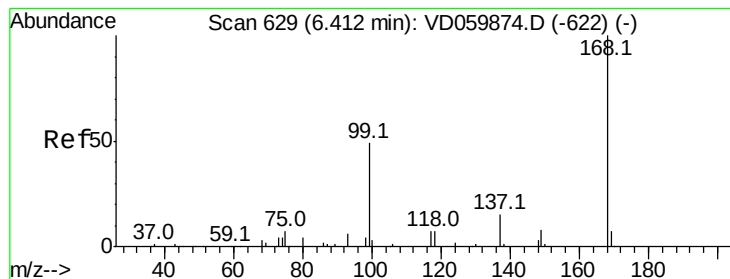
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 626

Delta R.T. -0.03 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

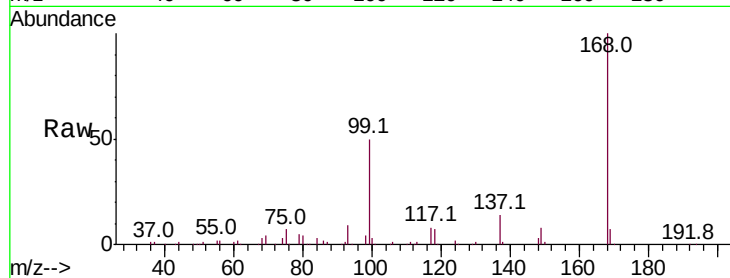
ClientSampleId :

Tot Ion:168 Resp: 1131344

Ion Ratio Lower Upper

168 100

99 49.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

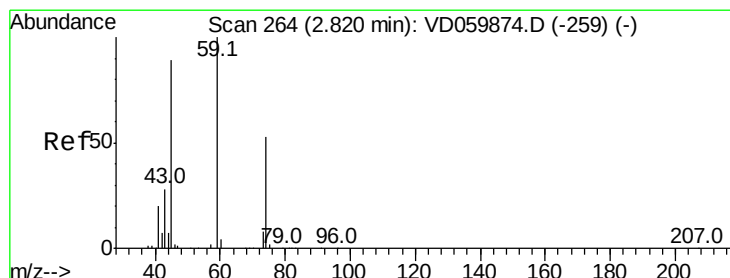
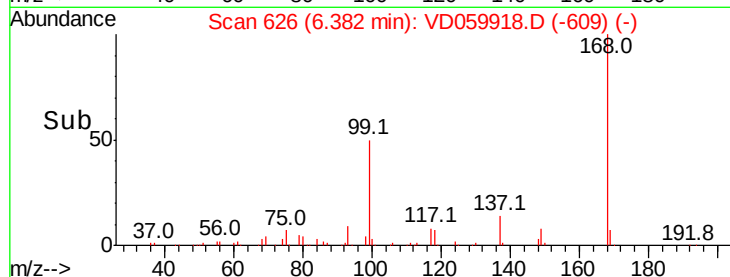
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 2.373 ug/l

RT: 2.80 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD059918.D

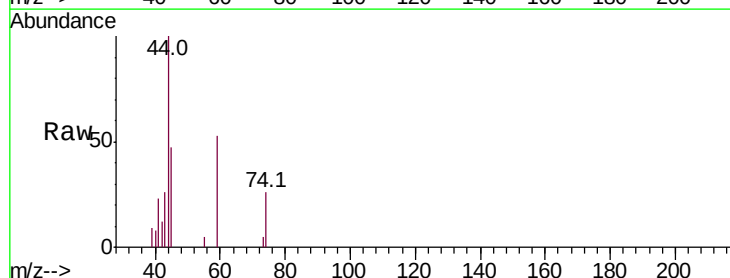
Acq: 27 Aug 2018 16:34

Tgt Ion: 74 Resp: 4425

Ion Ratio Lower Upper

74 100

45 183.8 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

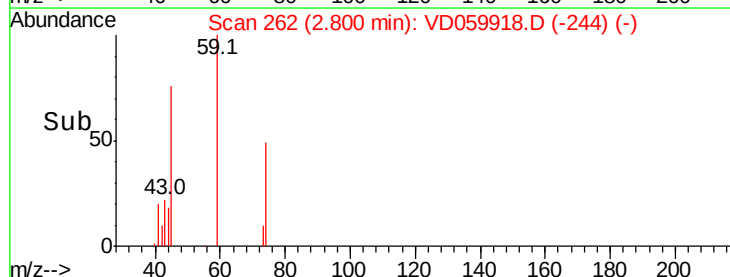
3000

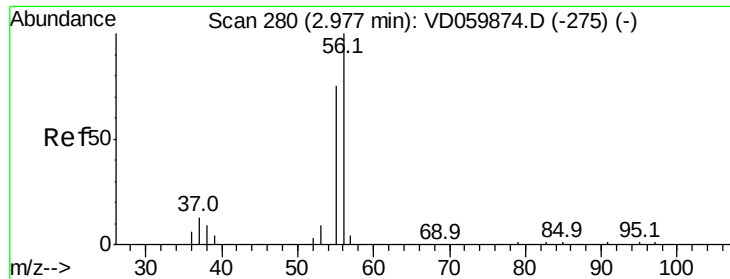
2000

1000

0

Time-->





#13

Acrolein

Concen: 2.836 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.03 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

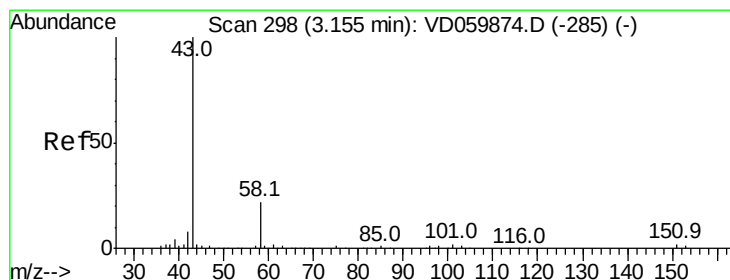
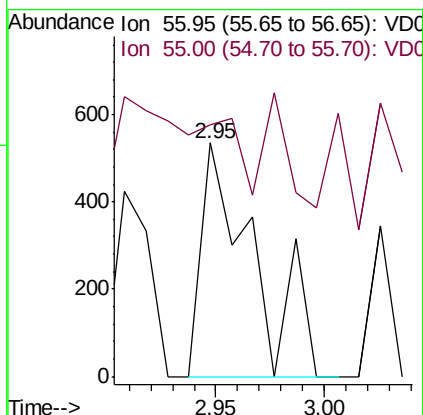
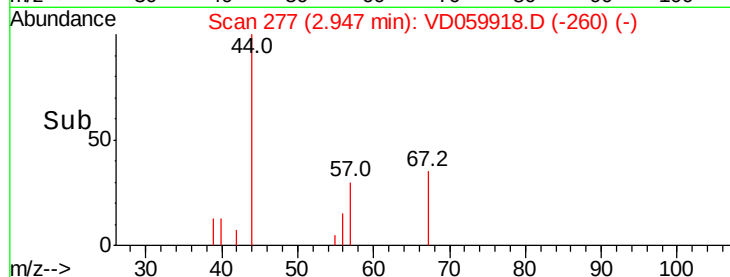
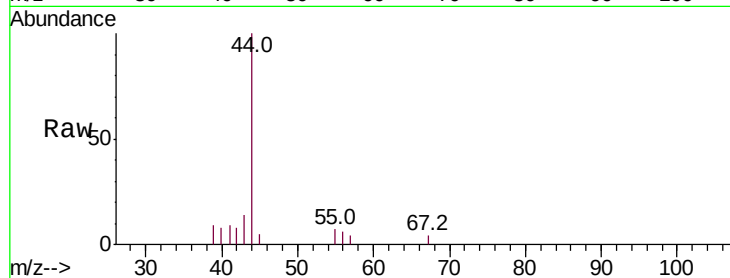
ClientSampleId :

Tot Ion: 56 Resp: 895

Ion Ratio Lower Upper

56 100

55 107.9 61.9 92.9#



#16

Acetone

Concen: 10.121 ug/l

RT: 3.12 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059918.D

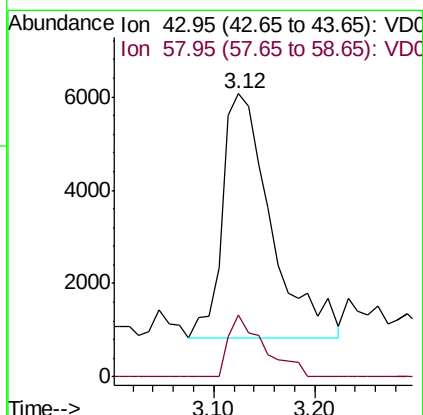
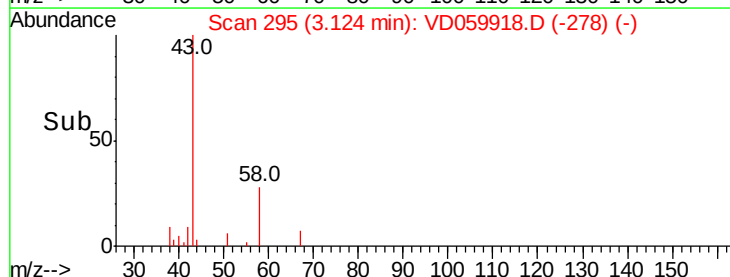
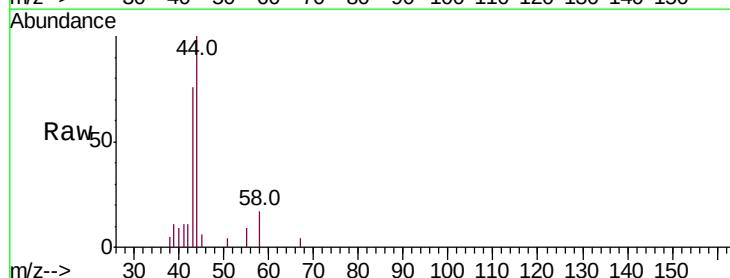
Acq: 27 Aug 2018 16:34

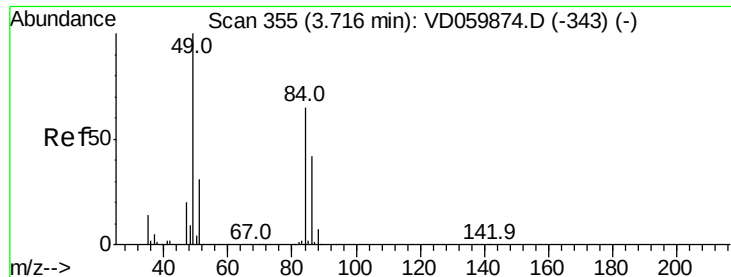
Tgt Ion: 43 Resp: 17582

Ion Ratio Lower Upper

43 100

58 22.0 17.6 26.4





#20

Methylene Chloride

Concen: 4.380 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.03 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 90164

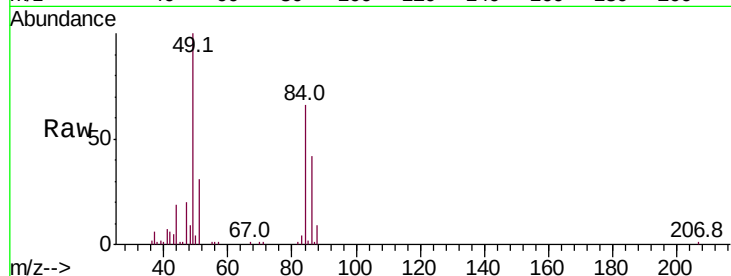
Ion Ratio Lower Upper

84 100

49 151.7 122.6 183.8

51 46.6 38.4 57.6

86 63.3 51.5 77.3

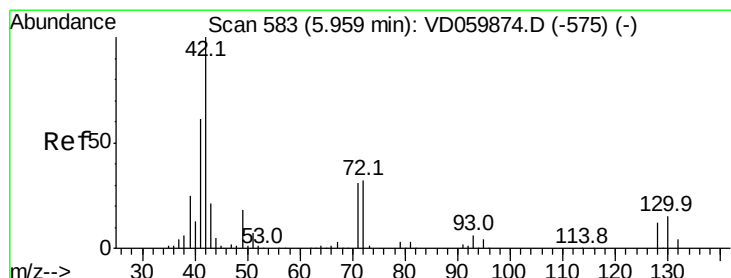
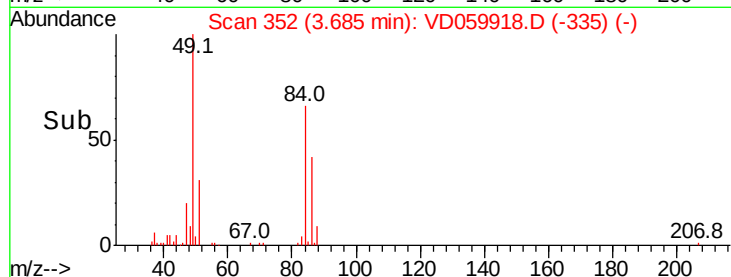
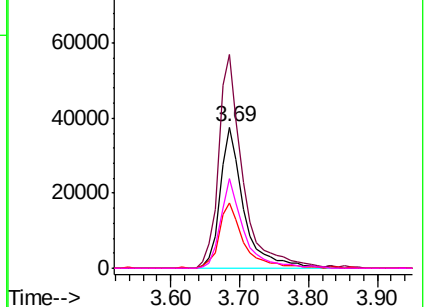


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 1.998 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

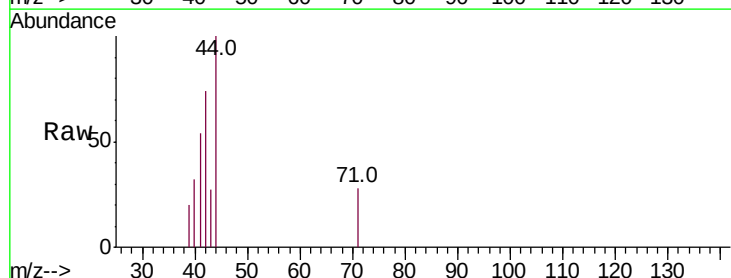
Tgt Ion: 42 Resp: 4895

Ion Ratio Lower Upper

42 100

72 4.1 25.7 38.5#

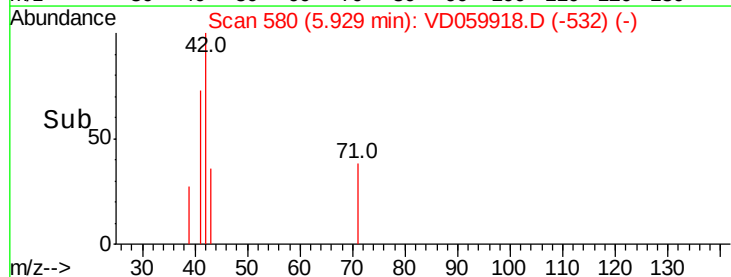
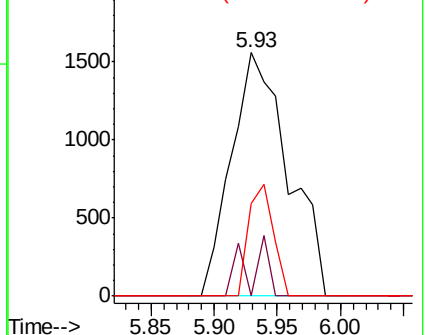
71 19.9 25.3 37.9#

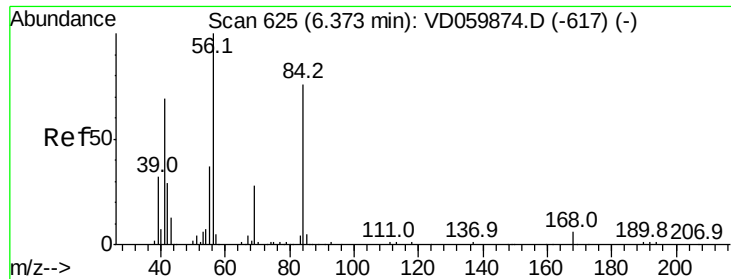


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

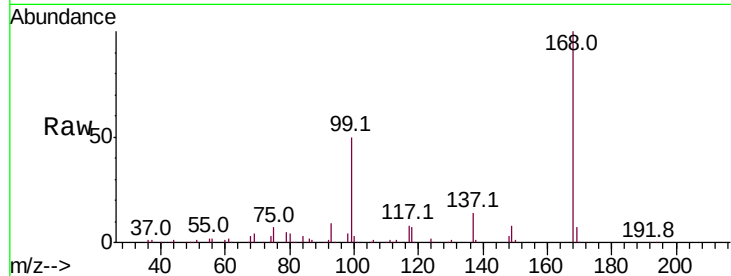




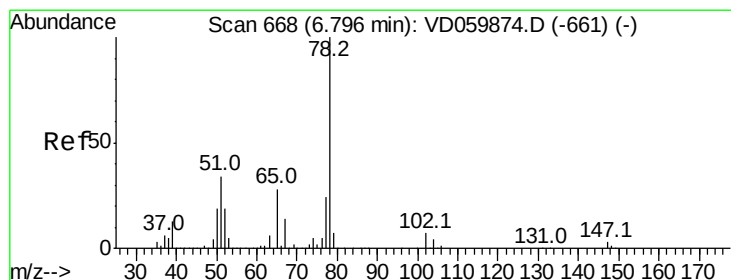
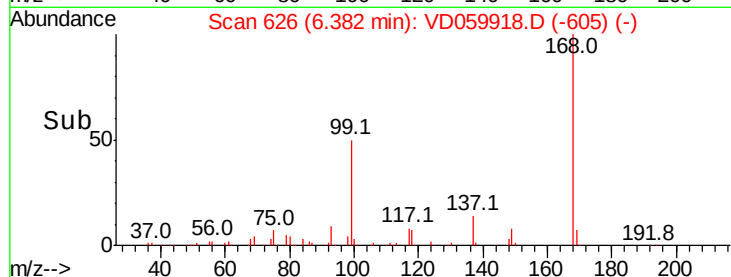
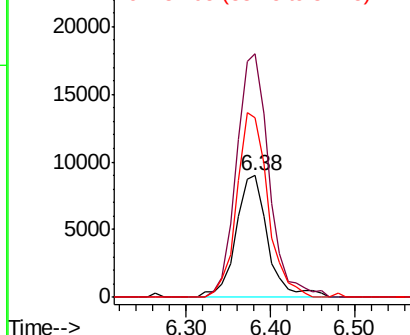
#31
Cyclohexane
Concen: 1.307 ug/l
RT: 6.38 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 23728
Ion Ratio Lower Upper
56 100
69 199.8 22.4 33.6#
84 147.1 62.1 93.1#

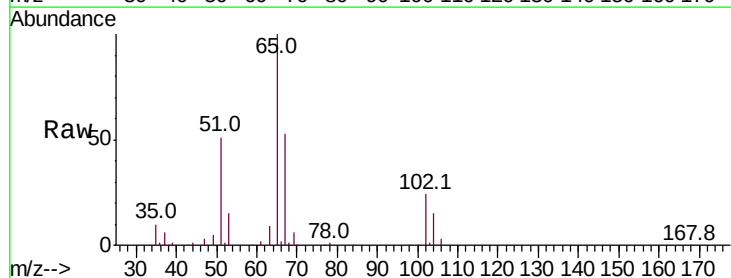


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

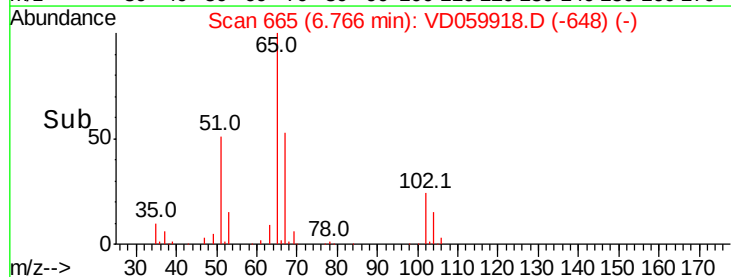
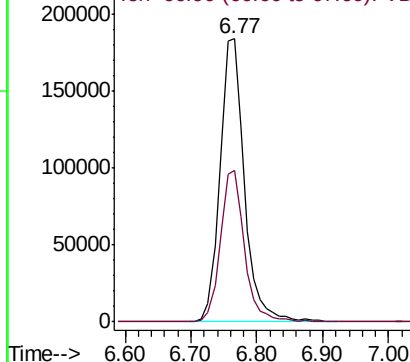


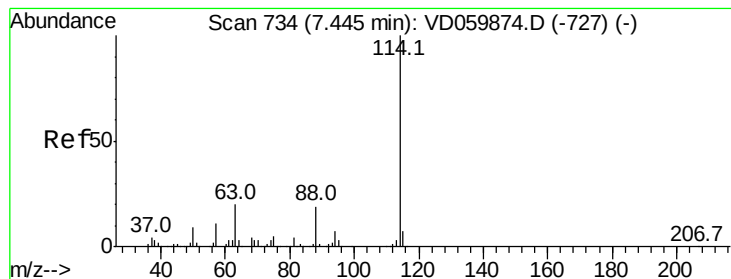
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Tgt Ion: 65 Resp: 474615
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.8



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: 7.42 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

ClientSampleId :

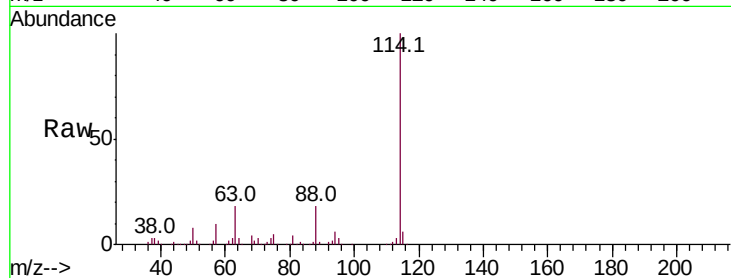
Tot Ion:114 Resp: 1576603

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.4

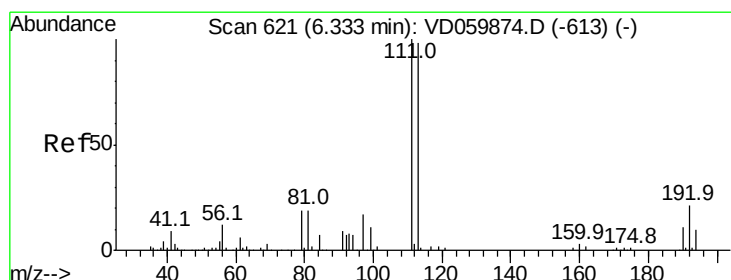
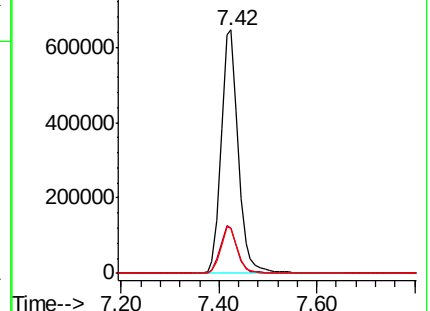
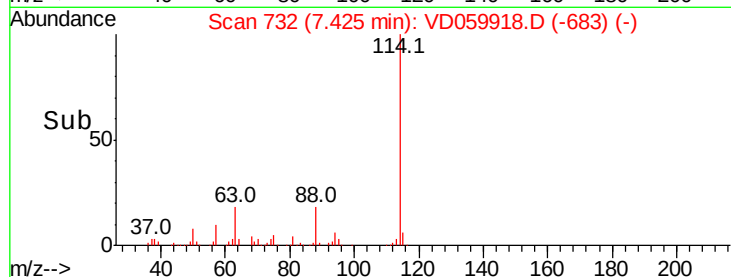
88 18.4 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

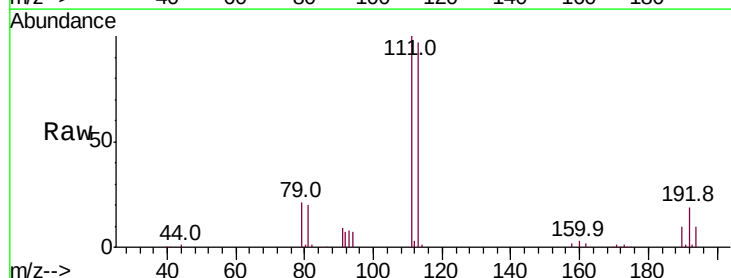
Tgt Ion:113 Resp: 567431

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

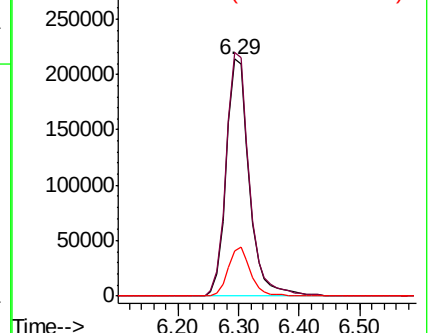
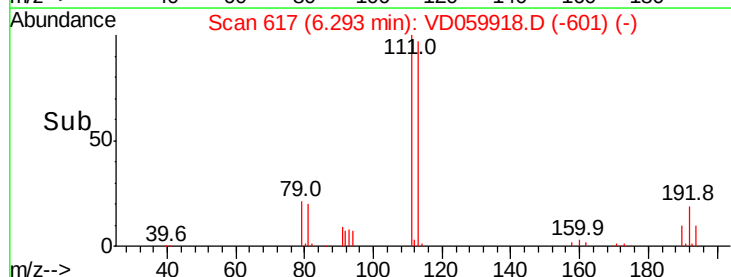
192 19.2 17.0 25.6

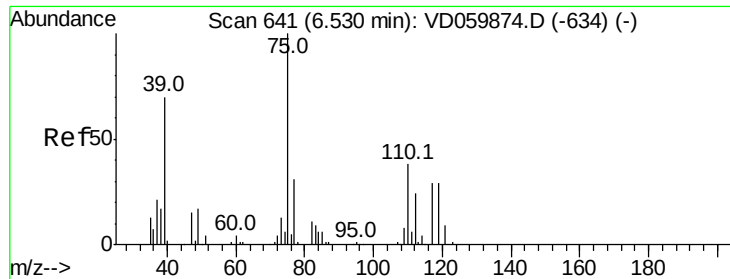


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

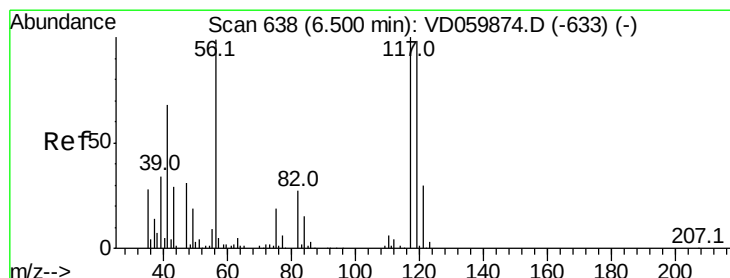
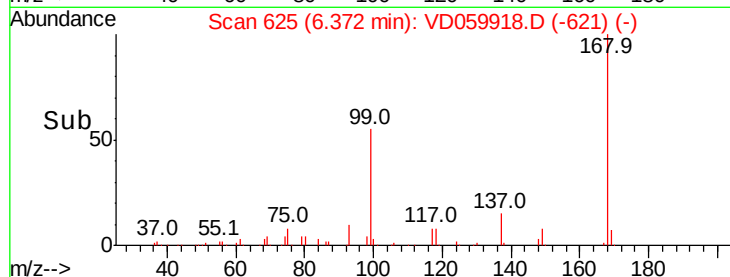
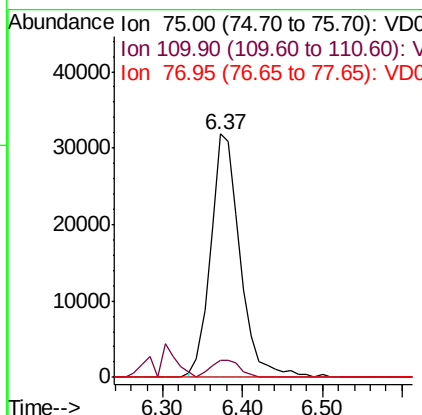
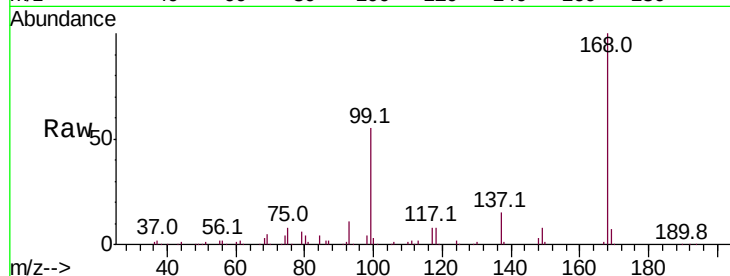




#36
 1,1-Dichloropropene
 Concen: 5.765 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059918.D
 Acq: 27 Aug 2018 16:34

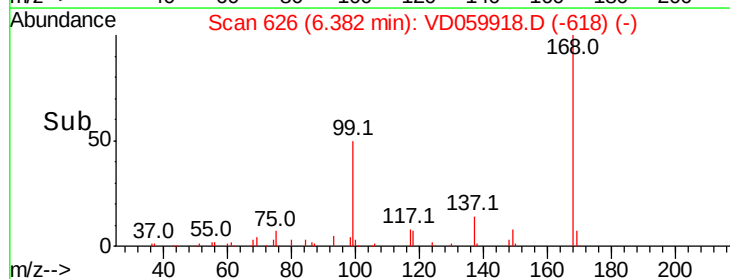
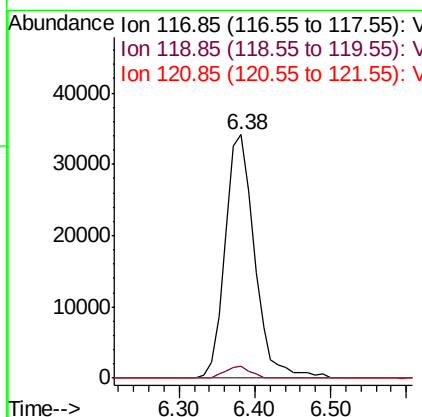
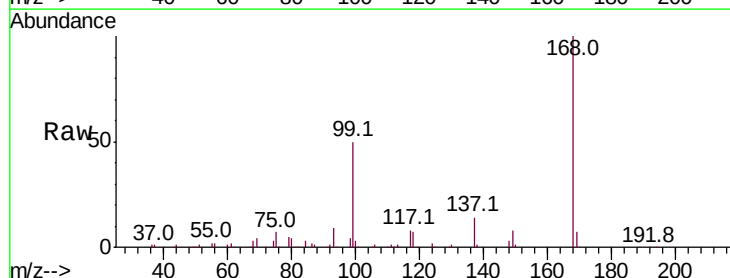
Instrument :
 MSVOA_D
 ClientSampleID :

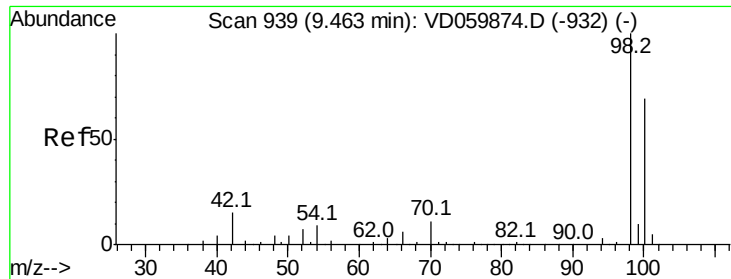
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.6	56.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.334 ug/l
 RT: 6.38 min Scan# 626
 Delta R.T. -0.12 min
 Lab File: VD059918.D
 Acq: 27 Aug 2018 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.2	115.8#
121	0.0	24.0	36.0#

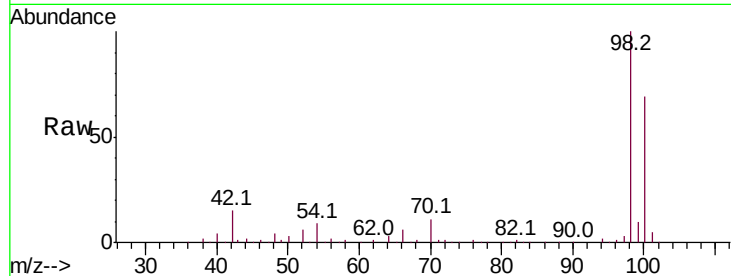




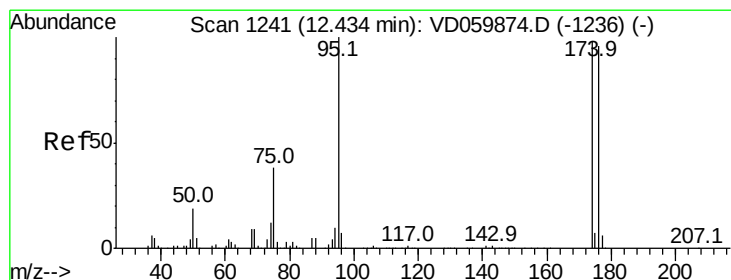
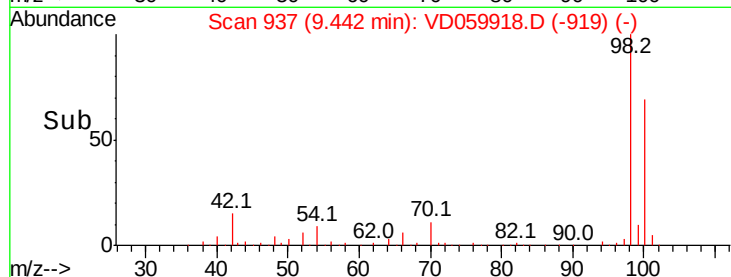
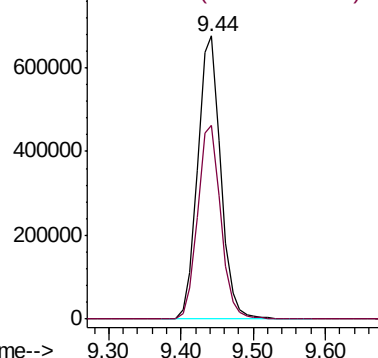
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1493134
Ion Ratio Lower Upper
98 100
100 68.7 55.8 83.6

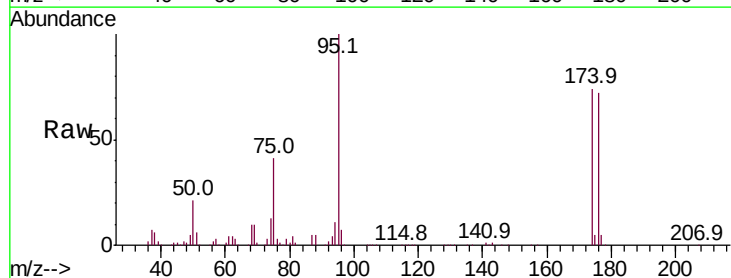


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

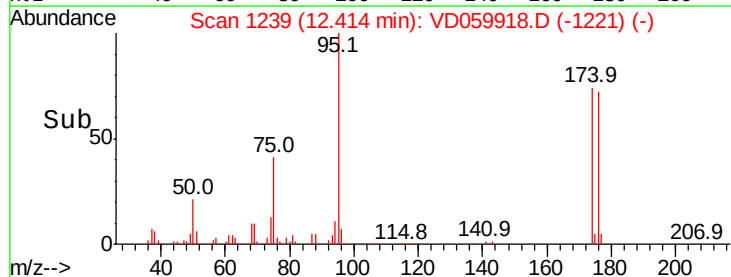
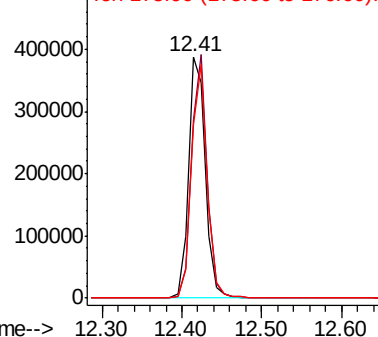


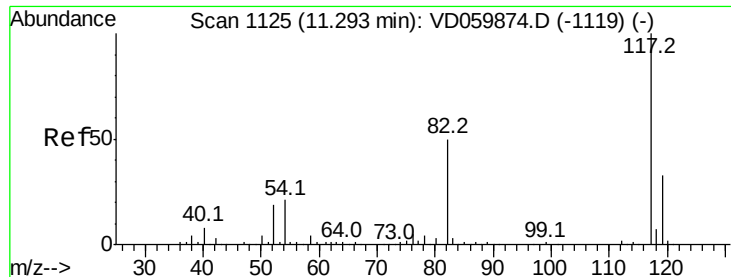
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Tgt Ion: 95 Resp: 574159
Ion Ratio Lower Upper
95 100
174 73.7 0.0 195.6
176 71.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

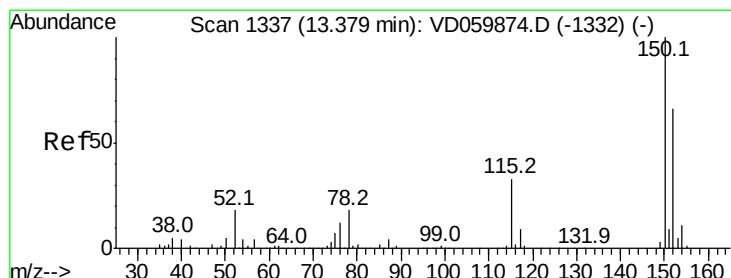
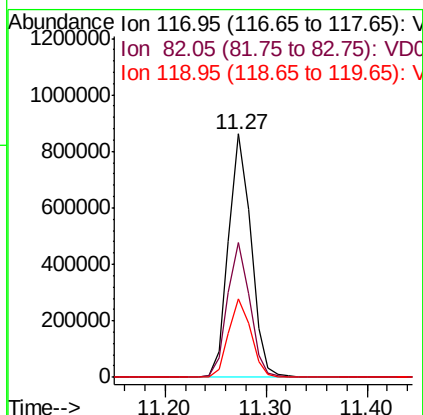
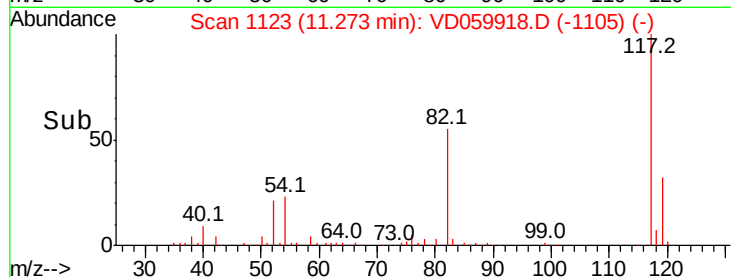
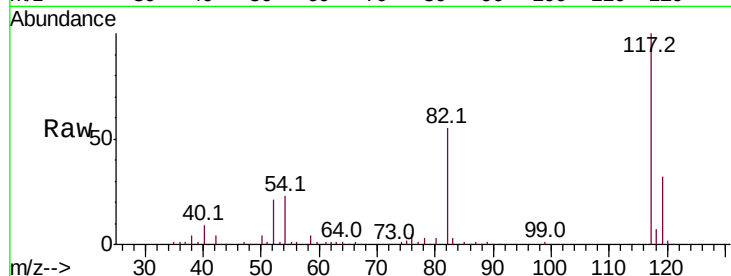




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

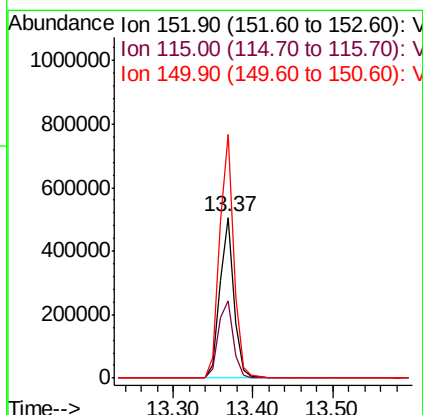
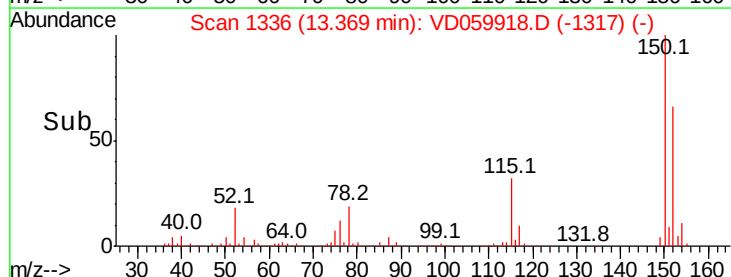
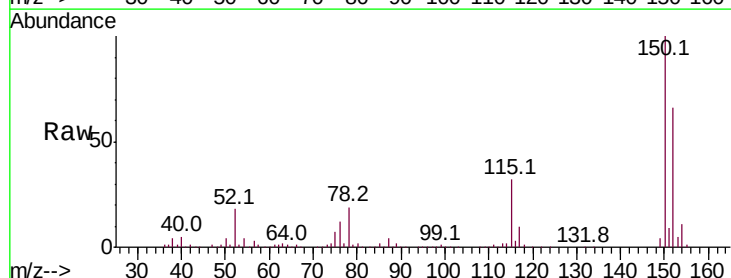
Instrument :
MSVOA_D
ClientSampled :

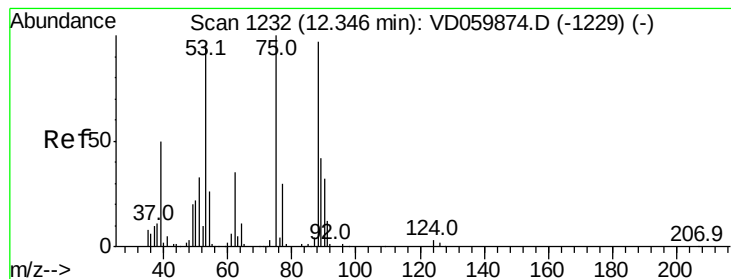
Tot Ion:117 Resp: 1335424
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059918.D
Acq: 27 Aug 2018 16:34

Tgt Ion:152 Resp: 632628
Ion Ratio Lower Upper
152 100
115 48.3 25.7 77.0
150 151.4 0.0 310.2





#81

trans-1,4-Dichloro-2-butene

Concen: 76.286 ug/l

RT: 12.41 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059918.D

Acq: 27 Aug 2018 16:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 233324

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

