

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059909.D
 Acq On : 27 Aug 2018 11:55
 Operator : JC/SY
 Sample : VD0827SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 14:50:18 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	1243879	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1743427	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1436669	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	770496	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	497825	47.48	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	94.96%	
35) Dibromofluoromethane	6.30	113	652406	47.73	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	95.46%	
50) Toluene-d8	9.44	98	1814781	47.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.41	95	733559	47.61	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.22%	

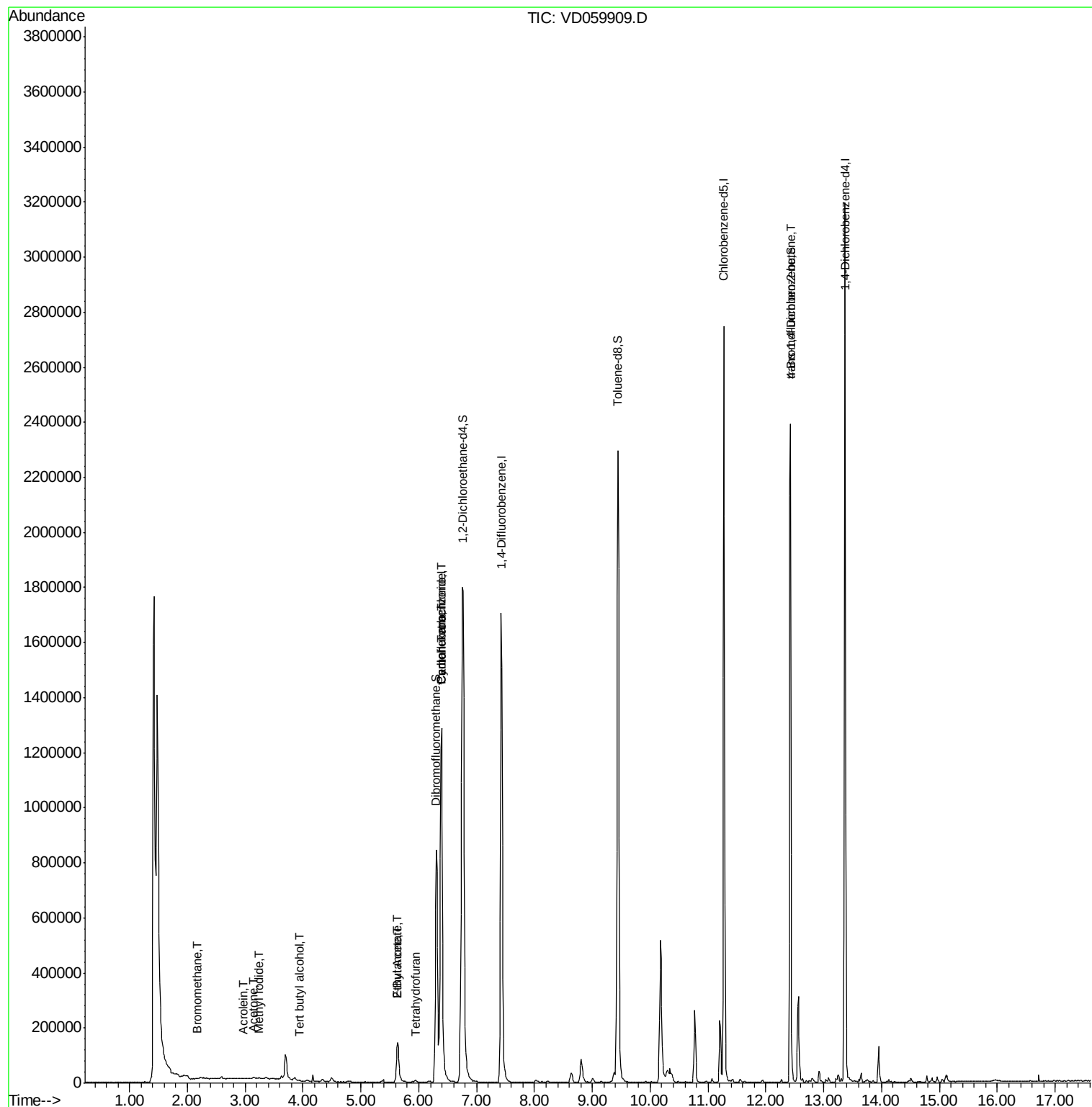
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1767	1.296	ug/l #	59
10) Methyl Iodide	3.23	142	1992	3.777	ug/l #	74
11) Tert butyl alcohol	3.94	59	2948	3.685	ug/l #	34
13) Acrolein	2.95	56	2392	6.894	ug/l #	51
16) Acetone	3.13	43	10601	5.550	ug/l #	81
25) 2-Butanone	5.62	43	20606	3.643	ug/l #	89
29) Tetrahydrofuran	5.94	42	6488	2.409	ug/l #	84
31) Cyclohexane	6.38	56	29892	1.497	ug/l #	1
37) Ethyl Acetate	5.62	43	20606	1.676	ug/l #	36
38) Carbon Tetrachloride	6.39	117	104952	6.580	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.41	75	300730	80.731	ug/l #	12
89) n-Butylbenzene	13.64	91	8682	Below Cal		99

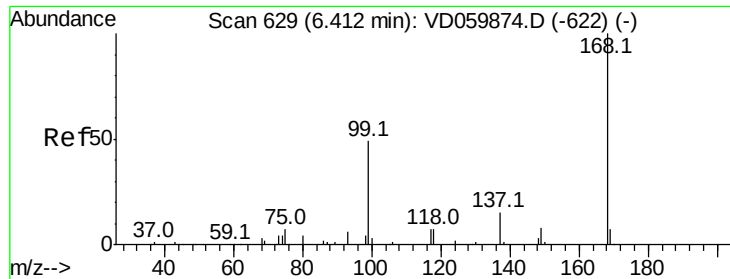
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082718\
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Acq On : 27 Aug 2018 11:55
Operator : JC/SY
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Misc : 5.00µl/5ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :

Quant Time: Aug 27 14:50:18 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# 627

Delta R.T. -0.02 min

Lab File: VD059909.D

Acq: 27 Aug 2018 11:55

Instrument :

MSVOA_D

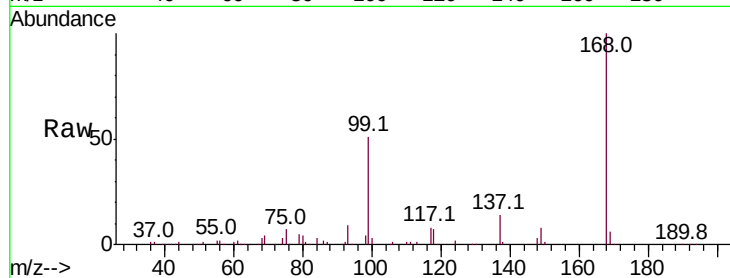
ClientSampleId :

Tot Ion:168 Resp: 1243879

Ion Ratio Lower Upper

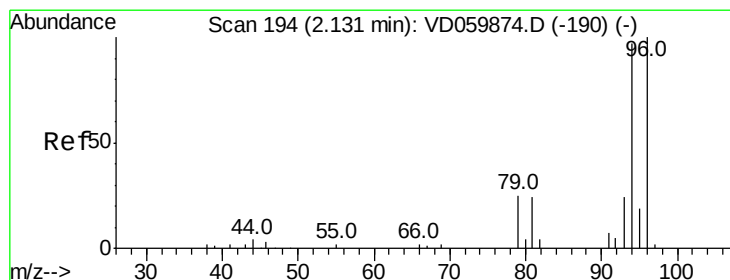
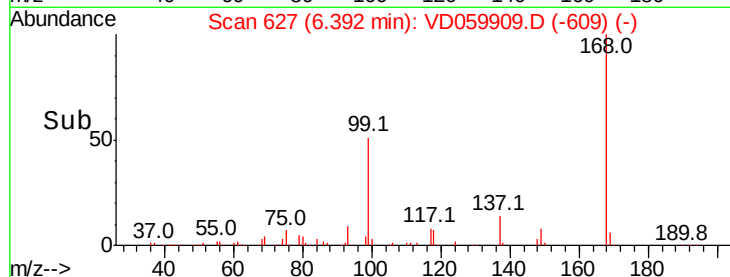
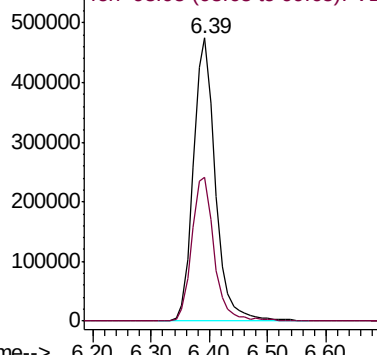
168 100

99 50.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.296 ug/l

RT: 2.16 min Scan# 197

Delta R.T. 0.03 min

Lab File: VD059909.D

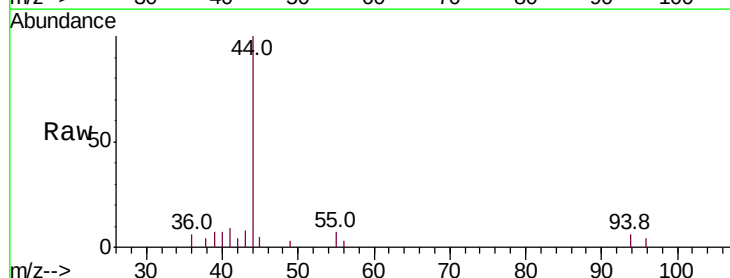
Acq: 27 Aug 2018 11:55

Tgt Ion: 94 Resp: 1767

Ion Ratio Lower Upper

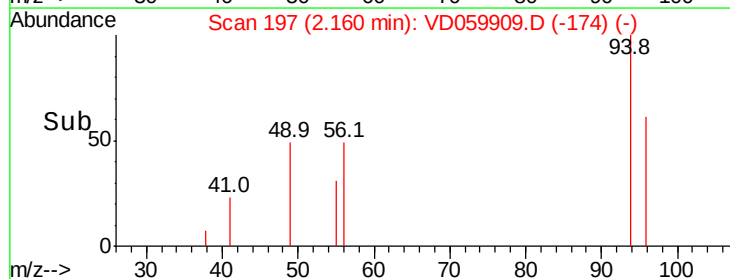
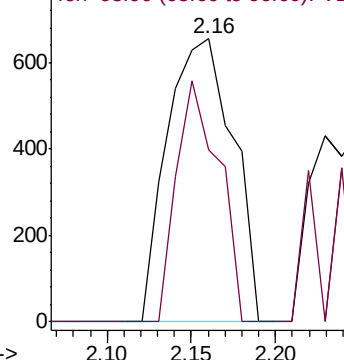
94 100

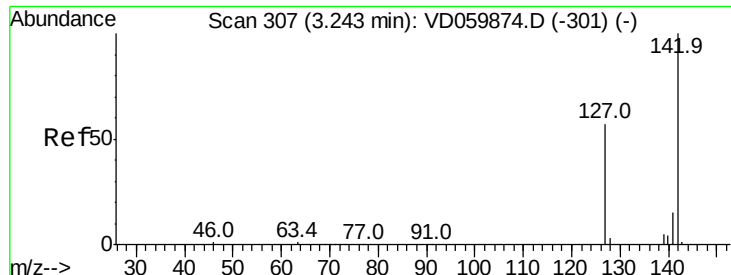
96 60.9 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

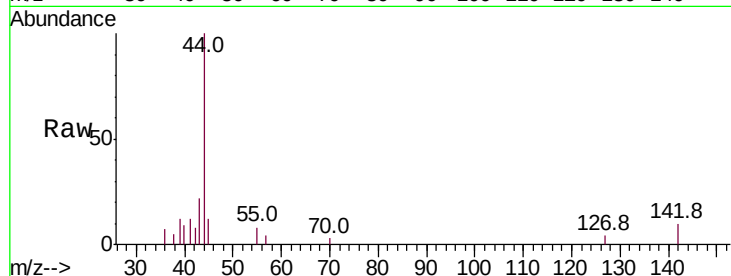




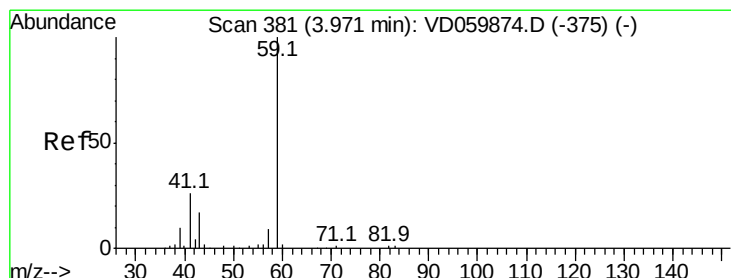
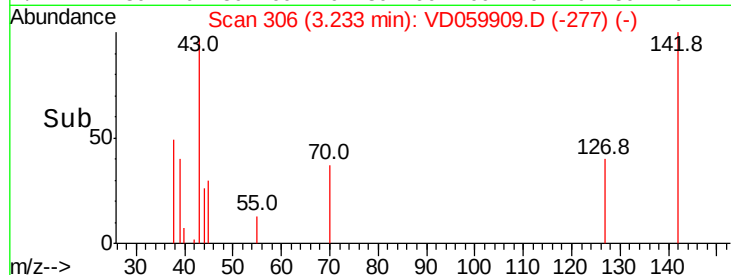
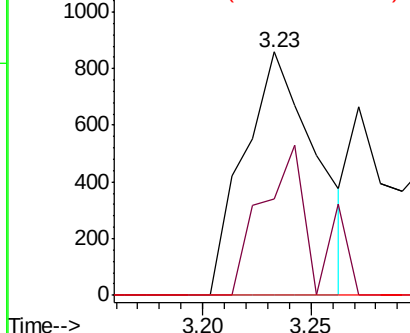
#10
Methyl Iodide
Concen: 3.777 ug/l
RT: 3.23 min Scan# 306
Delta R.T. -0.01 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 1992
Ion Ratio Lower Upper
142 100
127 39.7 45.8 68.6#
141 0.0 11.6 17.4#

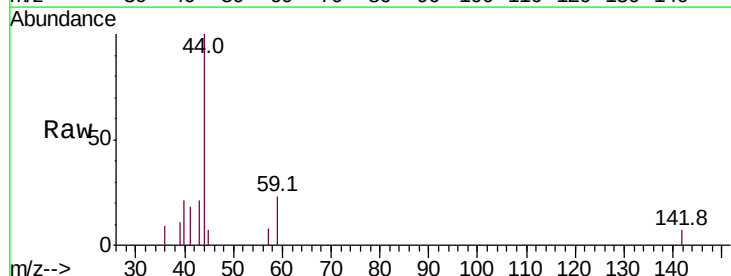


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

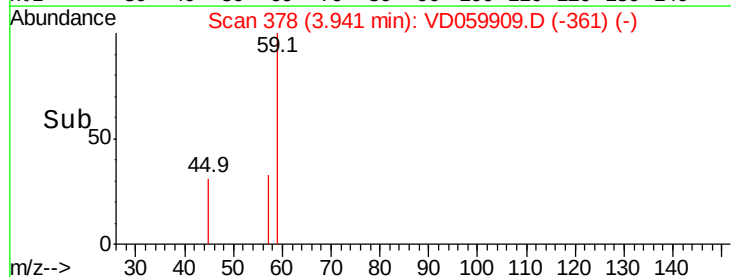
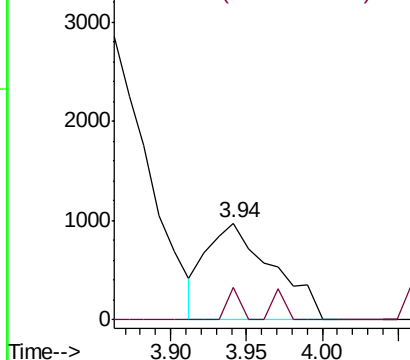


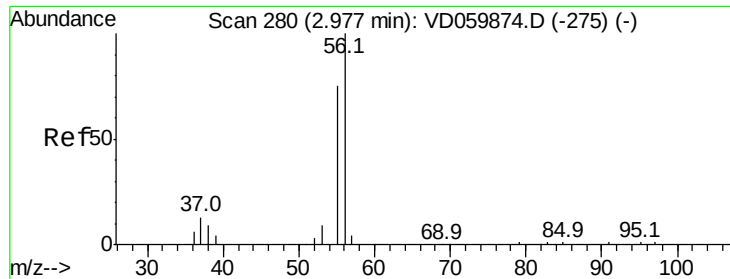
#11
Tert butyl alcohol
Concen: 3.685 ug/l
RT: 3.94 min Scan# 378
Delta R.T. -0.03 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Tgt Ion: 59 Resp: 2948
Ion Ratio Lower Upper
59 100
57 33.1 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

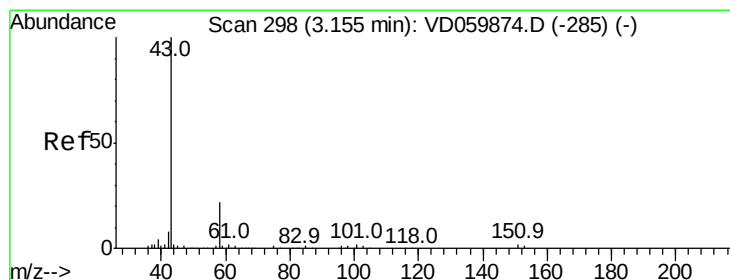
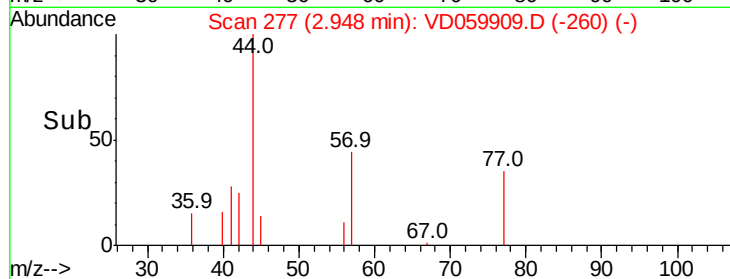
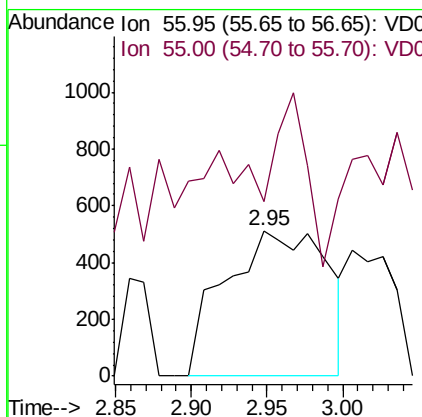
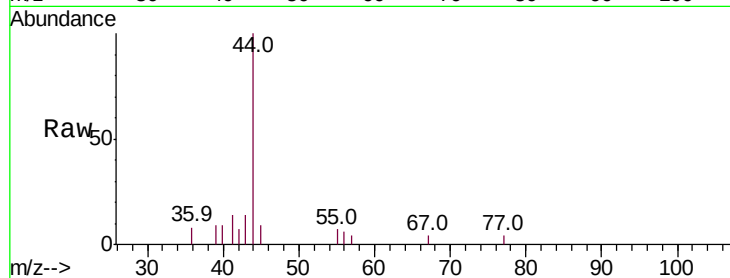




#13
Acrolein
Concen: 6.894 ug/l
RT: 2.95 min Scan# 277
Delta R.T. -0.03 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

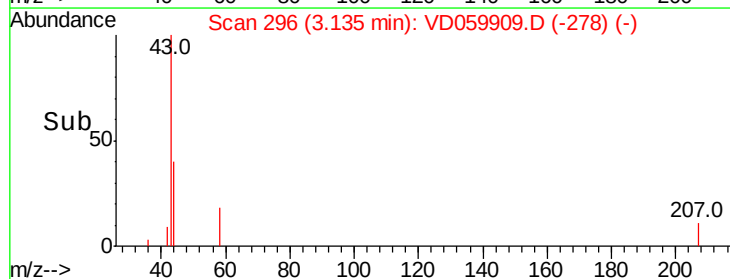
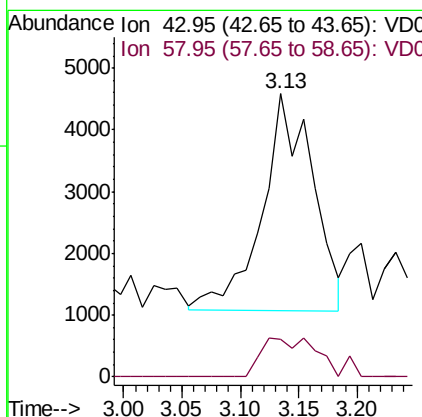
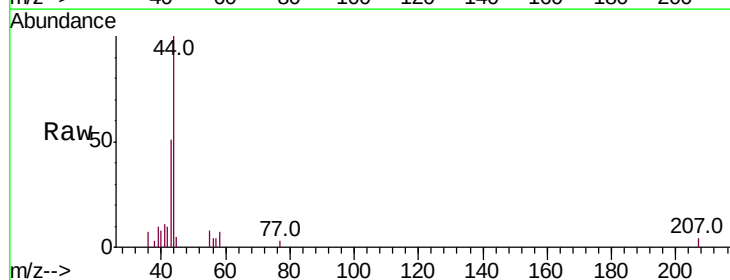
Instrument :
MSVOA_D
ClientSampleId :

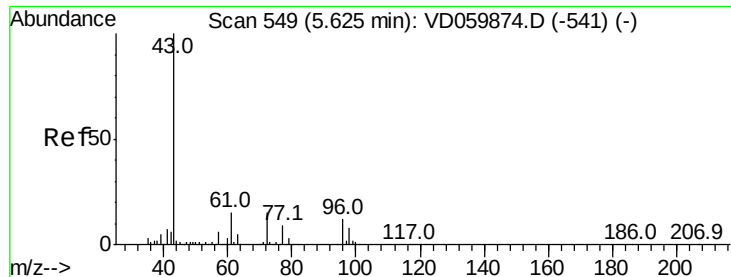
Tot Ion: 56 Resp: 2392
Ion Ratio Lower Upper
56 100
55 119.5 61.9 92.9#



#16
Acetone
Concen: 5.550 ug/l
RT: 3.13 min Scan# 296
Delta R.T. -0.02 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Tgt Ion: 43 Resp: 10601
Ion Ratio Lower Upper
43 100
58 13.1 17.6 26.4#

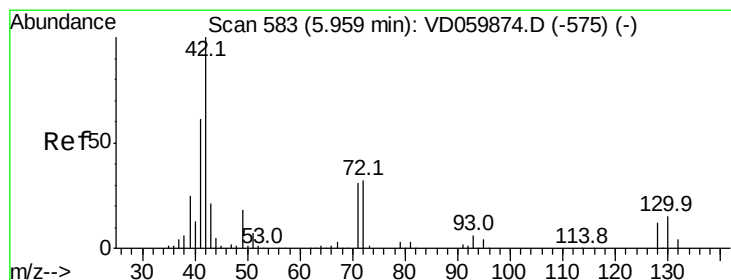
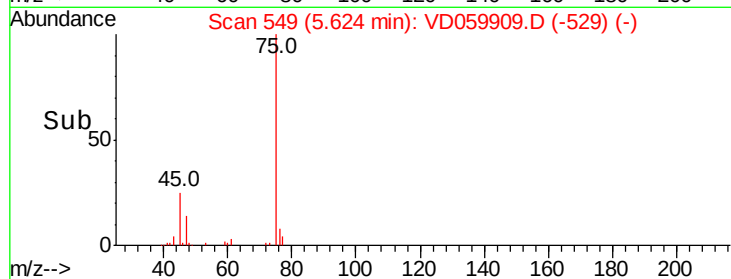
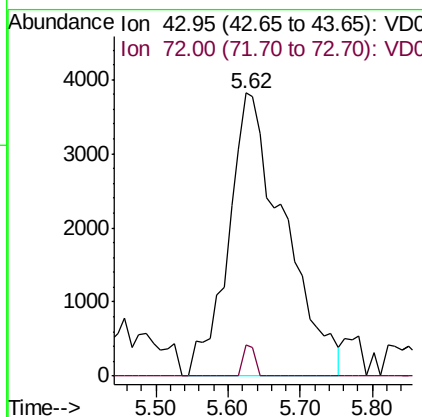
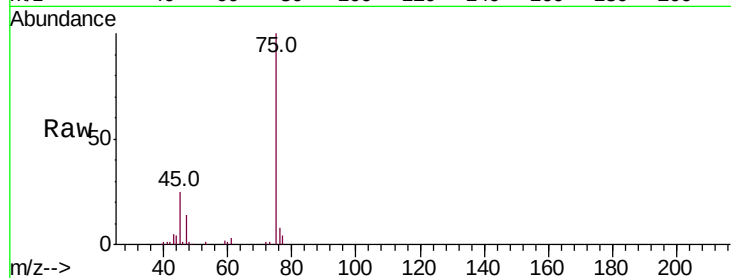




#25
2-Butanone
Concen: 3.643 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

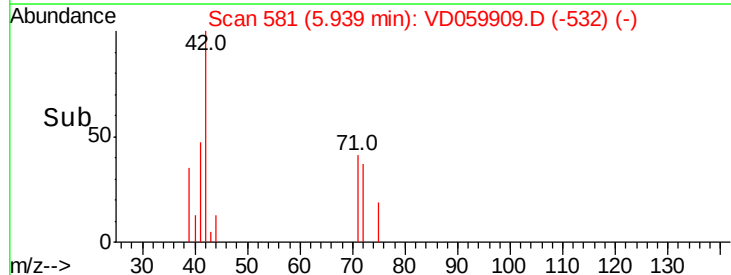
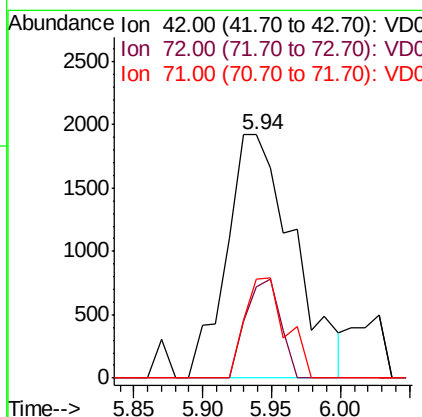
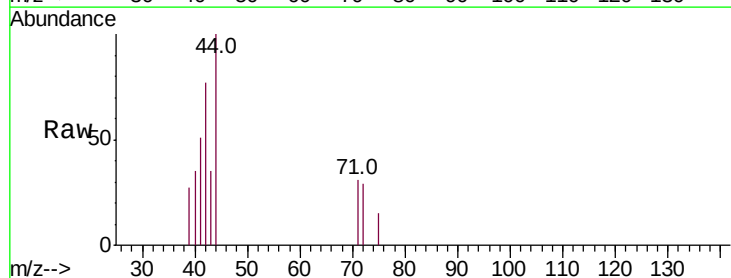
Instrument :
MSVOA_D
ClientSampleId :

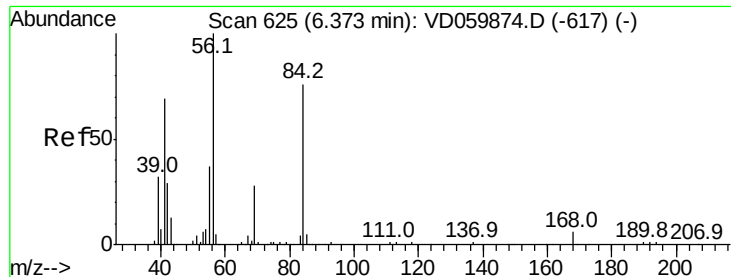
Tot Ion: 43 Resp: 20606
Ion Ratio Lower Upper
43 100
72 10.9 12.3 18.5#



#29
Tetrahydrofuran
Concen: 2.409 ug/l
RT: 5.94 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Tgt Ion: 42 Resp: 6488
Ion Ratio Lower Upper
42 100
72 21.3 25.7 38.5#
71 25.1 25.3 37.9#

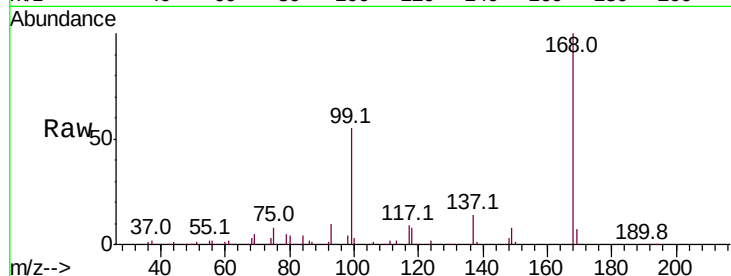




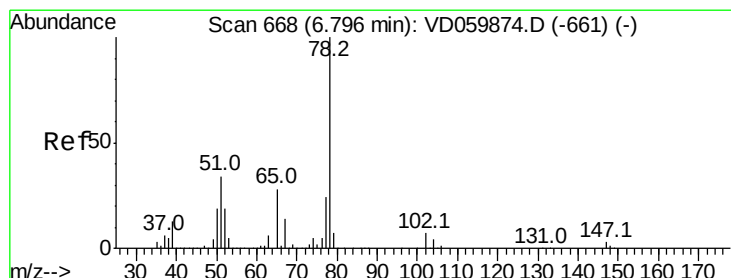
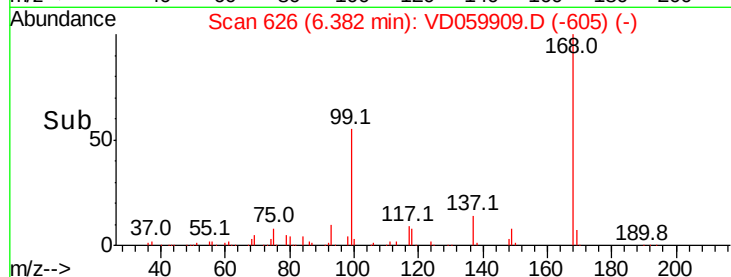
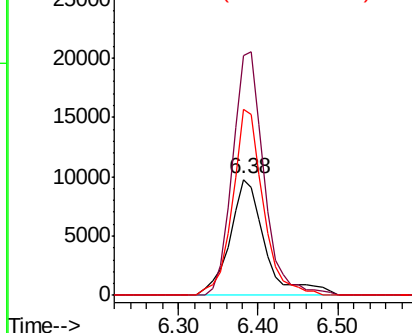
#31
Cyclohexane
Concen: 1.497 ug/l
RT: 6.38 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	56	Resp	29892
Ion Ratio	Lower	Upper	
56	100		
69	206.5	22.4	33.6#
84	160.3	62.1	93.1#

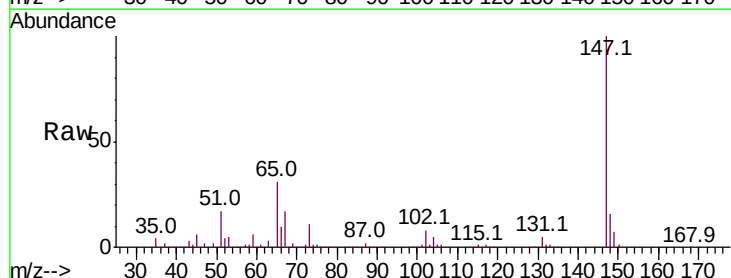


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

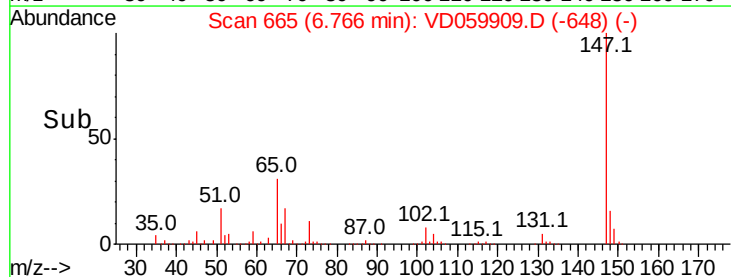
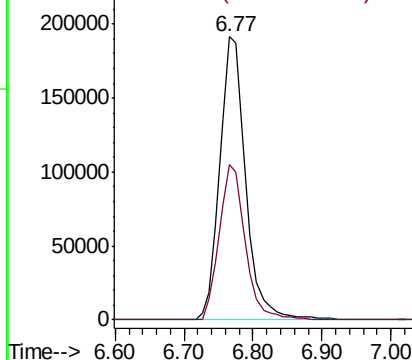


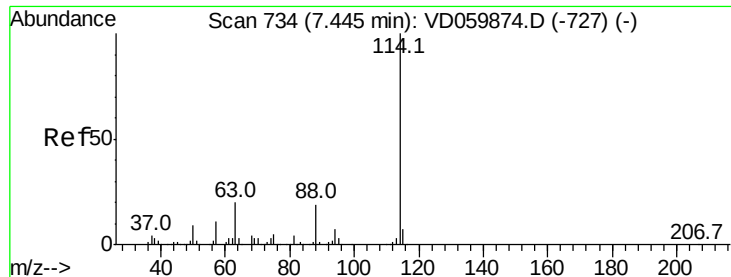
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Tgt Ion	65	Resp	497825
Ion Ratio	Lower	Upper	
65	100		
67	55.0	0.0	103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

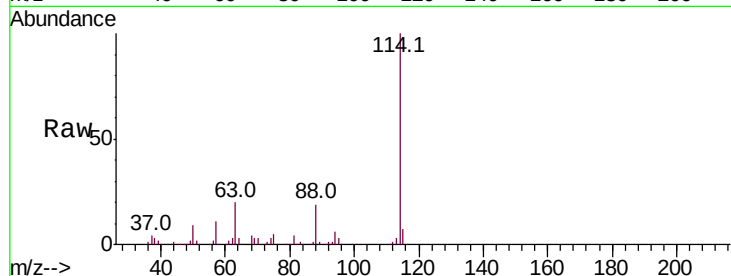




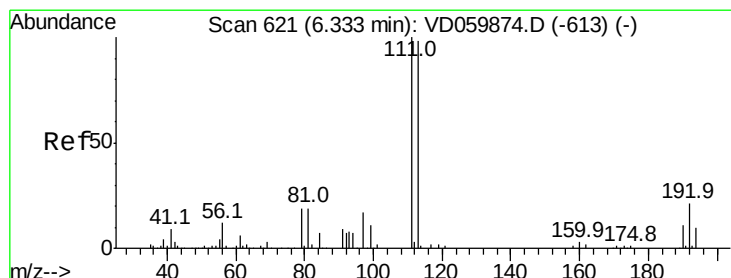
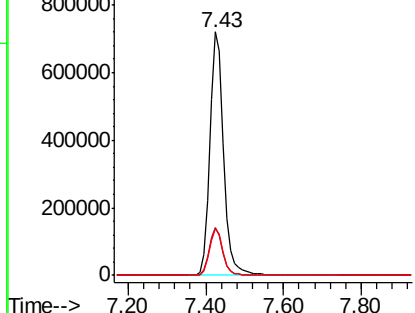
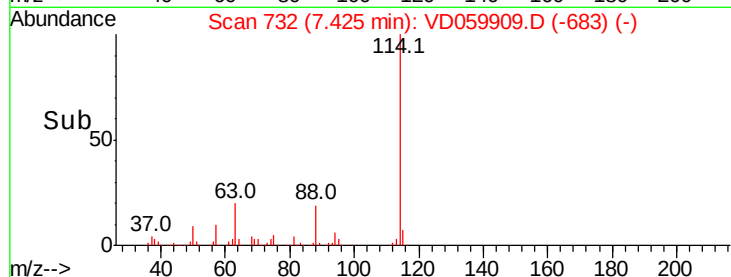
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059909.D
 Acq: 27 Aug 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1743427
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 19.1 0.0 37.6

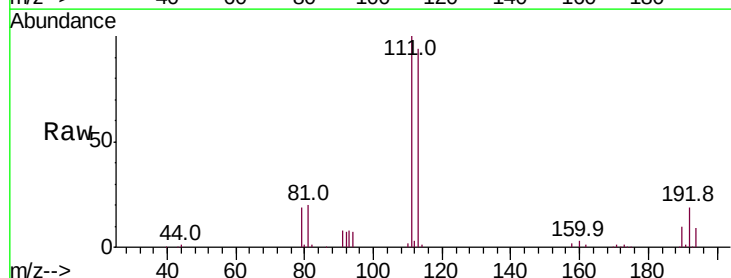


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

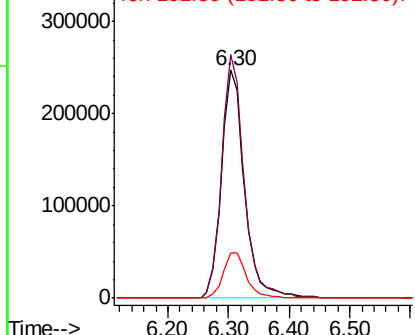
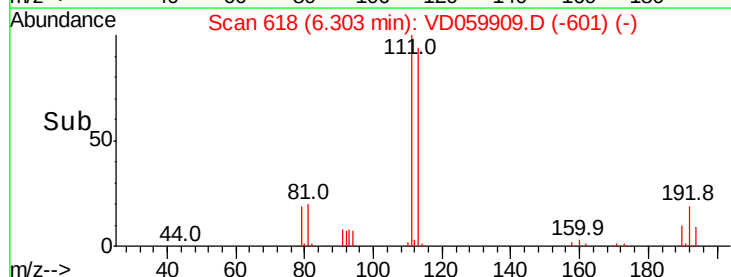


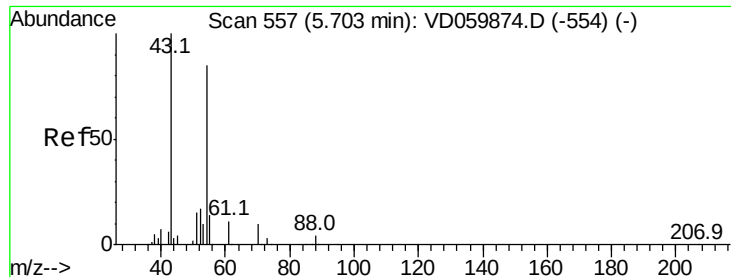
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059909.D
 Acq: 27 Aug 2018 11:55

Tgt Ion:113 Resp: 652406
 Ion Ratio Lower Upper
 113 100
 111 106.8 81.4 122.2
 192 19.8 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





#37

Ethyl Acetate

Concen: 1.676 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059909.D

Acq: 27 Aug 2018 11:55

Instrument :

MSVOA_D

ClientSampled :

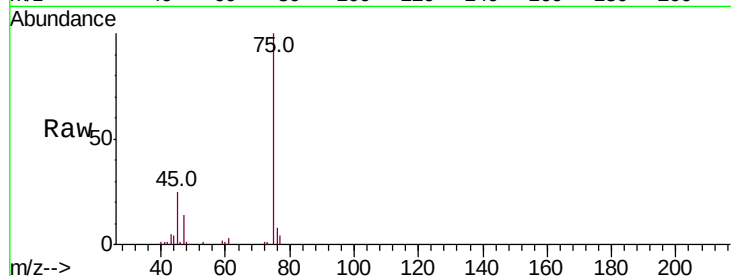
Tot Ion: 43 Resp: 20606

Ion Ratio Lower Upper

43 100

61 48.6 11.0 16.6#

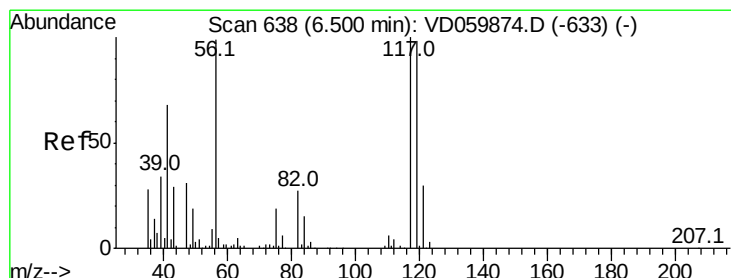
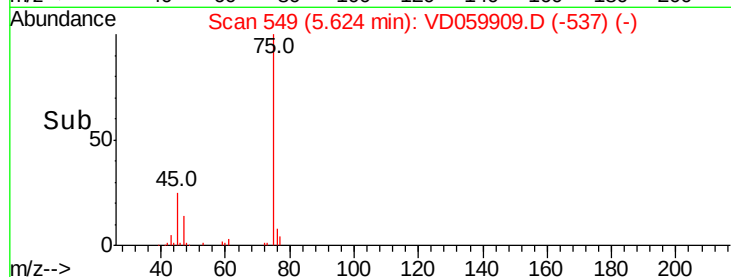
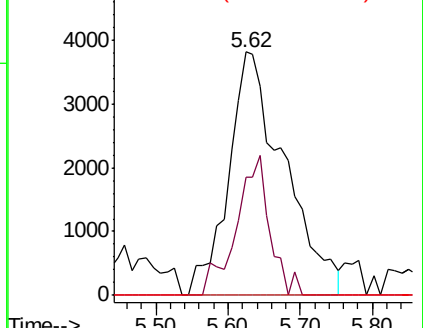
70 0.0 5.7 8.5#



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: 6.580 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.11 min

Lab File: VD059909.D

Acq: 27 Aug 2018 11:55

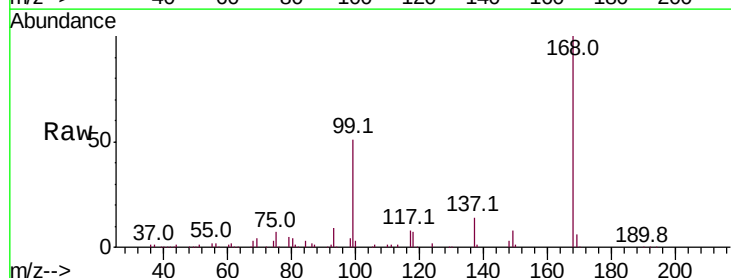
Tgt Ion: 117 Resp: 104952

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

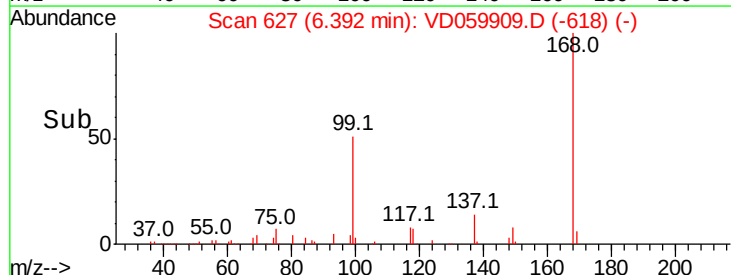
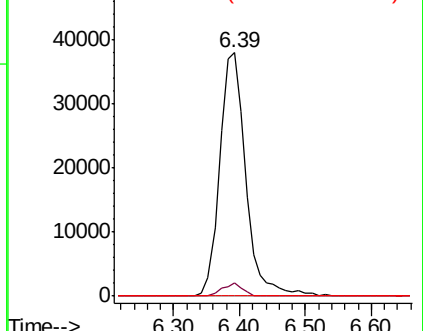
121 0.0 24.0 36.0#

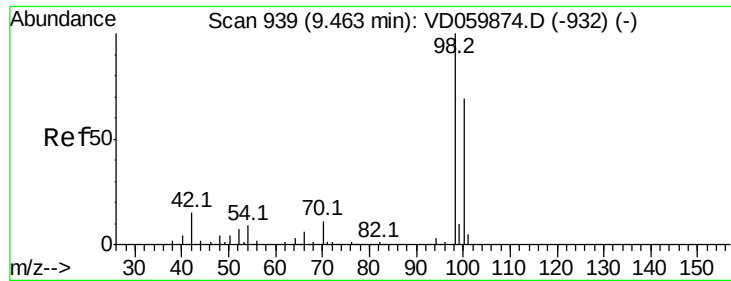


Abundance Ion 116.85 (116.55 to 117.55): V

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# 937

Delta R.T. -0.02 min

Lab File: VD059909.D

Acq: 27 Aug 2018 11:55

Instrument :

MSVOA_D

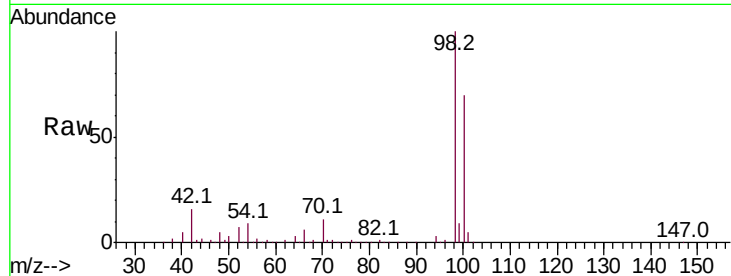
ClientSampleId :

Tot Ion: 98 Resp: 1814781

Ion Ratio Lower Upper

98 100

100 70.5 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.44

800000

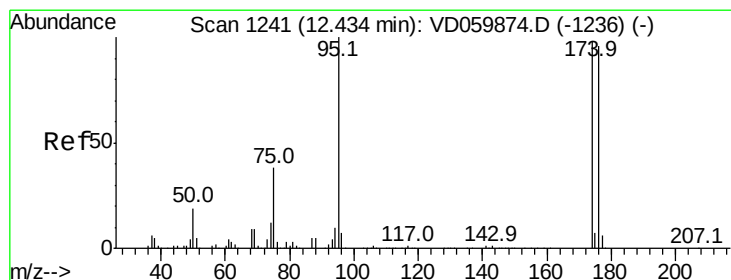
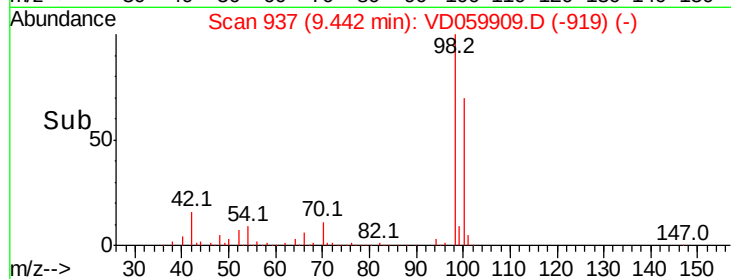
600000

400000

200000

0

Time--> 9.30 9.40 9.50 9.60



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.41 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059909.D

Acq: 27 Aug 2018 11:55

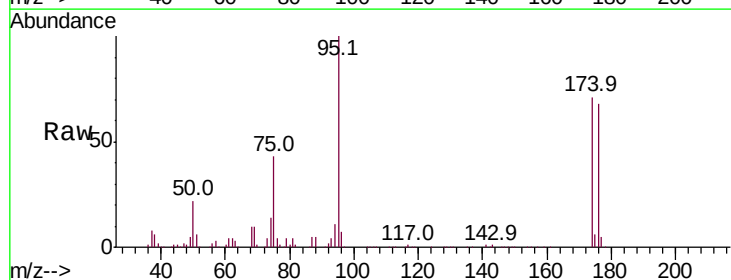
Tgt Ion: 95 Resp: 733559

Ion Ratio Lower Upper

95 100

174 70.6 0.0 195.6

176 67.7 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

12.41

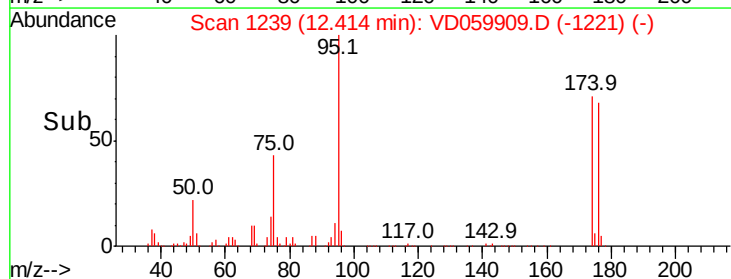
600000

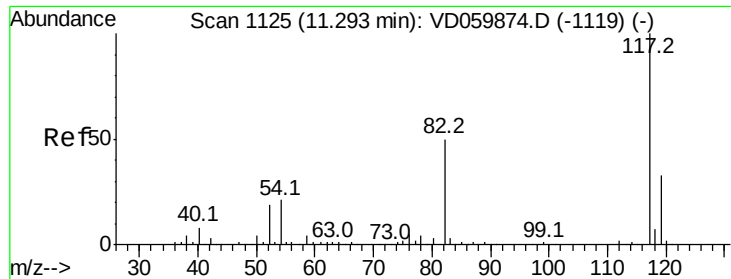
400000

200000

0

Time--> 12.30 12.40 12.50 12.60

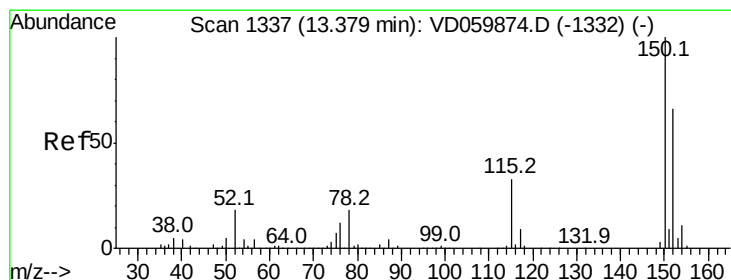
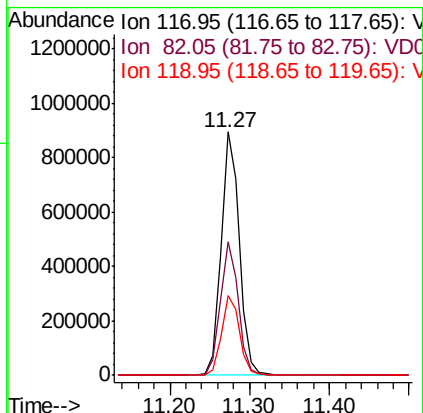
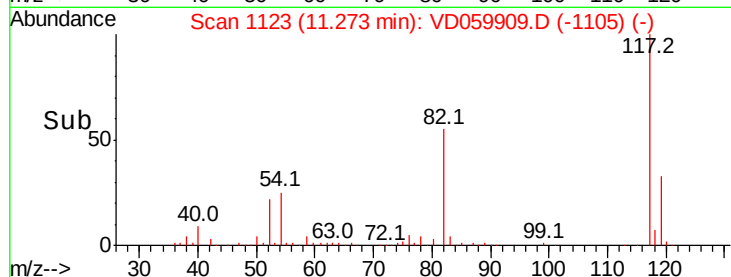
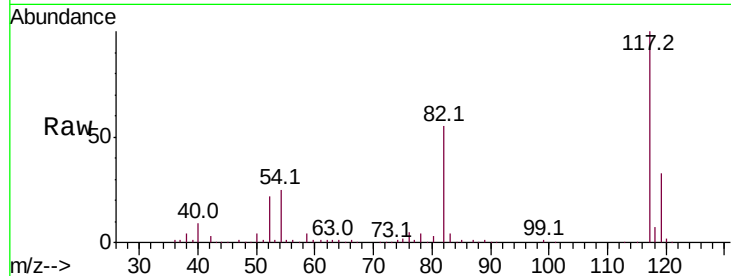




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

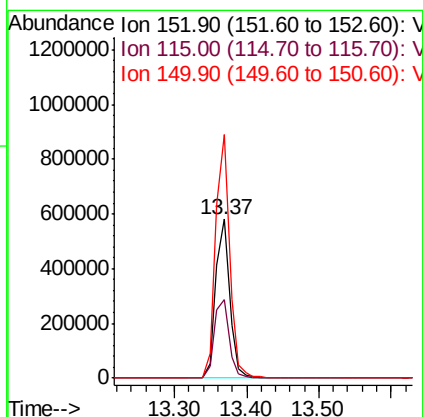
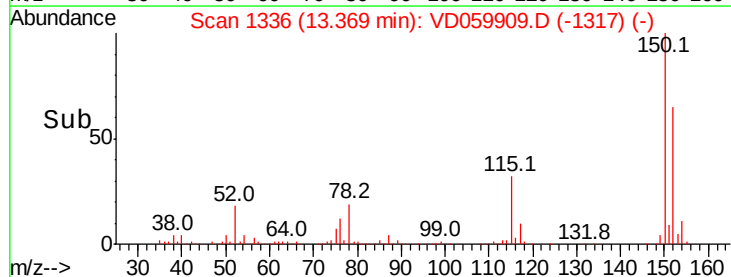
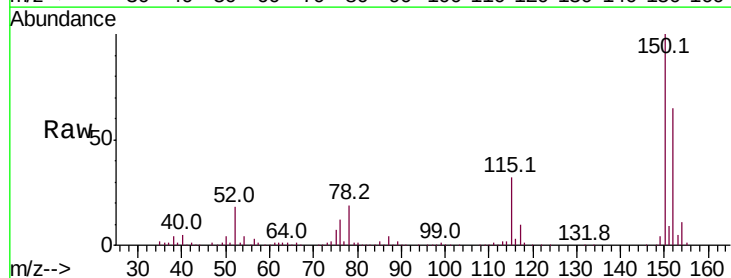
Instrument :
MSVOA_D
ClientSampled :

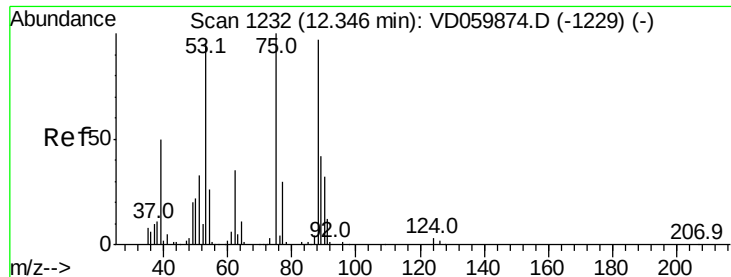
Tot Ion:117 Resp: 1436669
Ion Ratio Lower Upper
117 100
82 54.8 40.1 60.1
119 32.7 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059909.D
Acq: 27 Aug 2018 11:55

Tgt Ion:152 Resp: 770496
Ion Ratio Lower Upper
152 100
115 49.5 25.7 77.0
150 153.2 0.0 310.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.731 ug/l
 RT: 12.41 min Scan# 1239
 Delta R.T. 0.07 min
 Lab File: VD059909.D
 Acq: 27 Aug 2018 11:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 300730
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.6#
 89 0.0 33.6 50.4#

