

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059914.D
 Acq On : 27 Aug 2018 14:40
 Operator : JC/SY
 Sample : J4646-15
 Misc : 5.33g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 27 16:14:45 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	1270247	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1753367	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1457656	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	712988	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	480946	44.92	ug/l	-0.03
Spiked Amount			Recovery	=	89.84%	
35) Dibromofluoromethane	6.30	113	584991	42.56	ug/l	-0.03
Spiked Amount			Recovery	=	85.12%	
50) Toluene-d8	9.44	98	1577347	41.35	ug/l	-0.02
Spiked Amount			Recovery	=	82.70%	
62) 4-Bromofluorobenzene	12.42	95	618603	39.92	ug/l	-0.01
Spiked Amount			Recovery	=	79.84%	

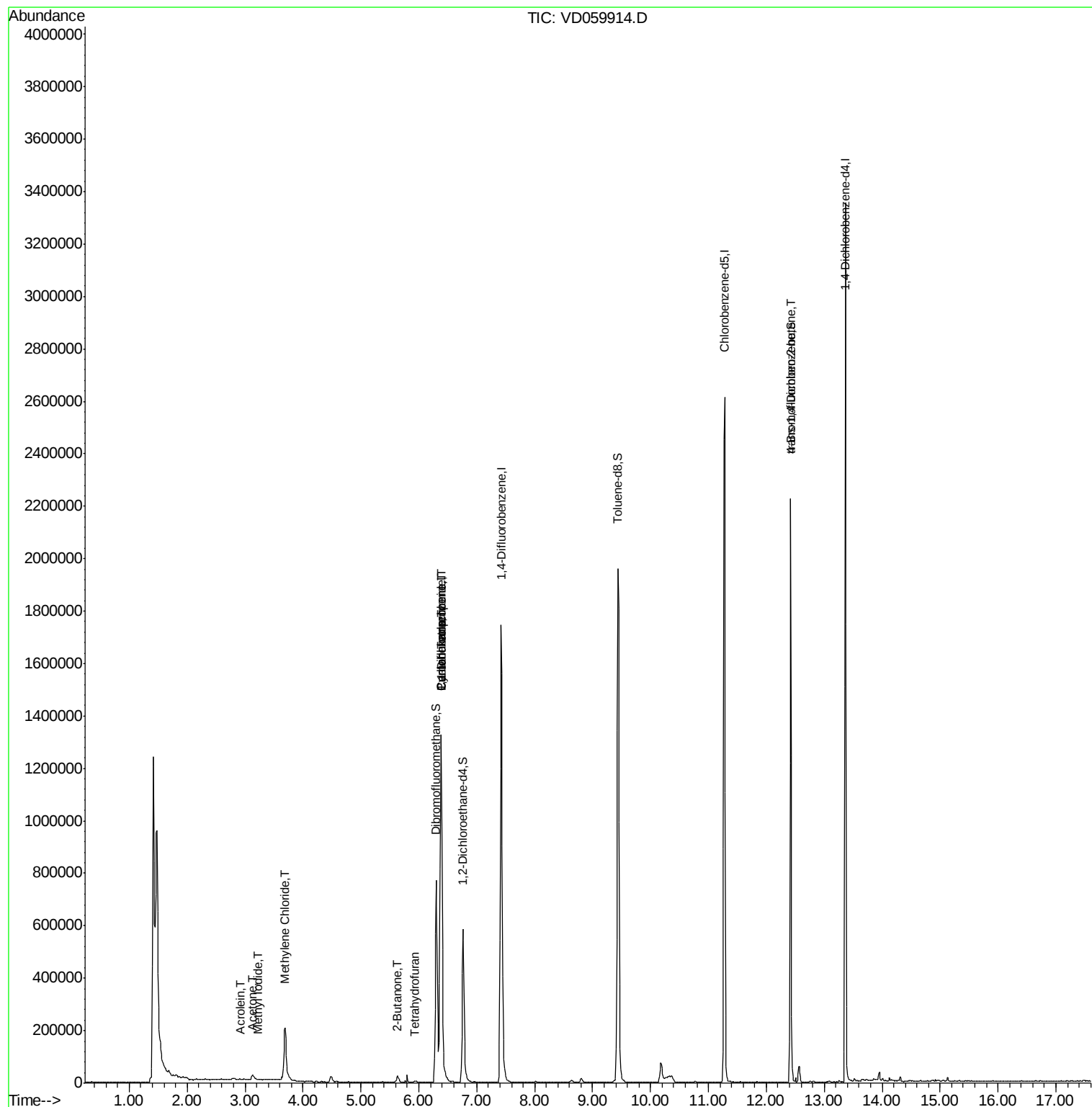
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.23	142	545	3.549	ug/l #	31
13) Acrolein	2.92	56	405	1.143	ug/l #	1
16) Acetone	3.13	43	43483	22.293	ug/l #	90
20) Methylene Chloride	3.69	84	120970	6.018	ug/l	97
25) 2-Butanone	5.62	43	6856	1.187	ug/l #	63
29) Tetrahydrofuran	5.93	42	5480	1.993	ug/l #	74
31) Cyclohexane	6.39	56	26738	1.312	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	93887	5.907	ug/l #	47
38) Carbon Tetrachloride	6.39	117	104524	6.516	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.42	75	251862	73.066	ug/l #	12
89) n-Butylbenzene	13.64	91	1252	Below Cal	#	67

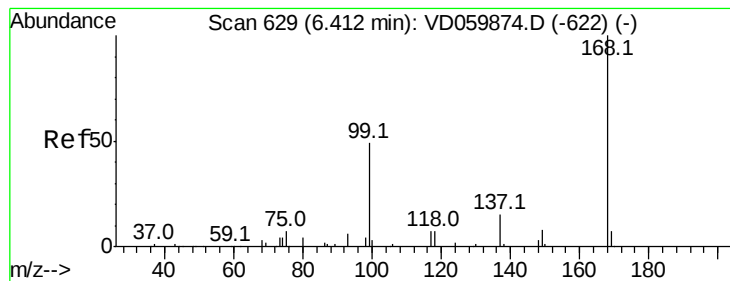
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD059914.D

Acq: 27 Aug 2018 14:40

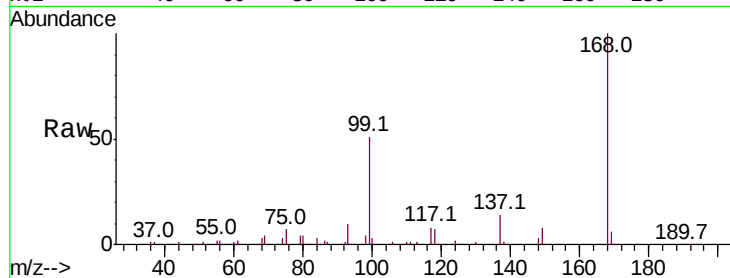
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1270247

Ion Ratio Lower Upper

168 100

99 51.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

500000

400000

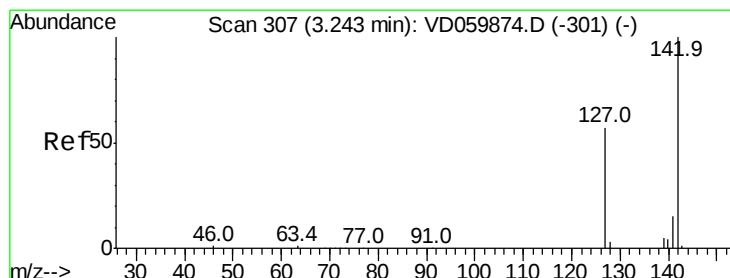
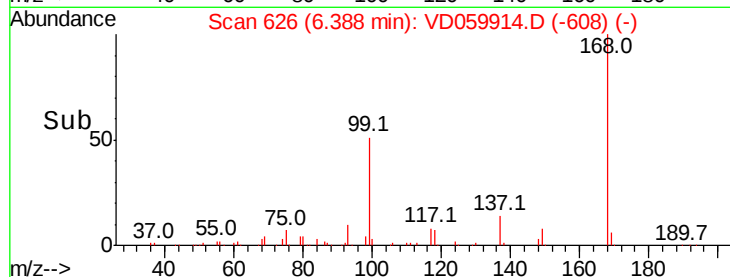
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 3.549 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.01 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

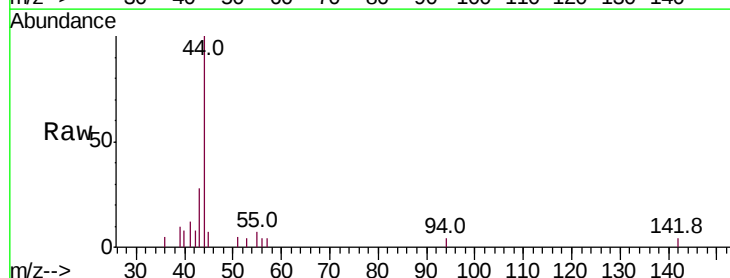
Tgt Ion:142 Resp: 545

Ion Ratio Lower Upper

142 100

127 0.0 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

3.23

400

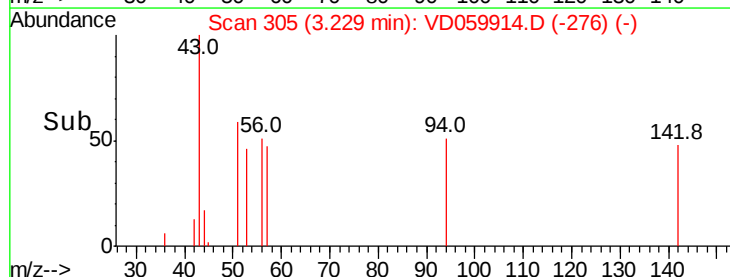
300

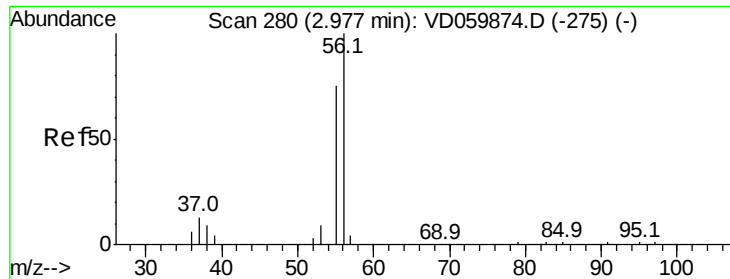
200

100

0

Time-->





#13

Acrolein

Concen: 1.143 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.05 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

Instrument :

MSVOA_D

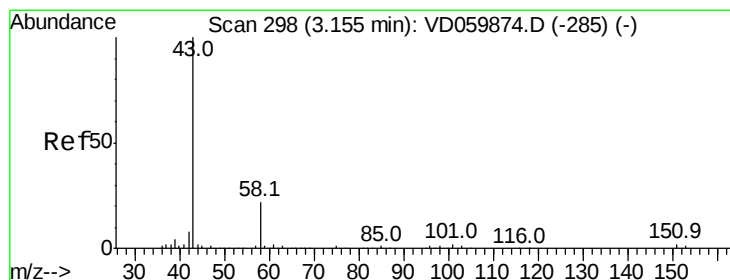
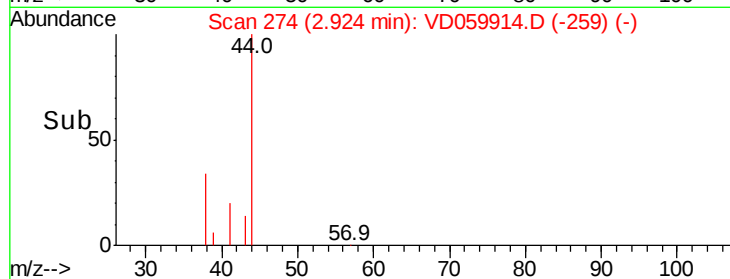
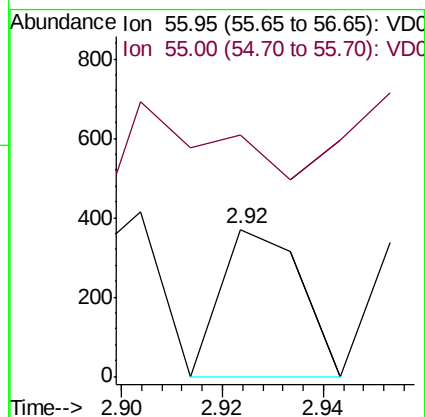
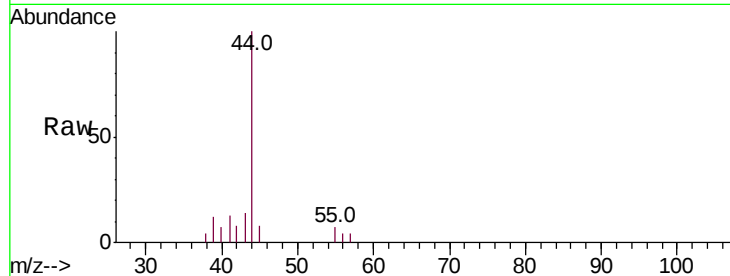
ClientSampleId :

Tot Ion: 56 Resp: 405

Ion Ratio Lower Upper

56 100

55 163.9 61.9 92.9#



#16

Acetone

Concen: 22.293 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059914.D

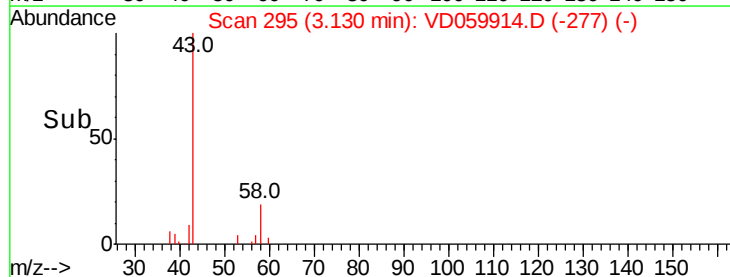
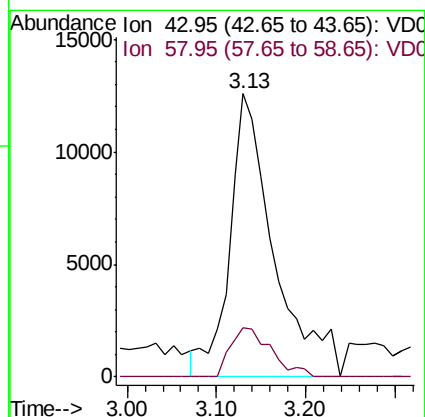
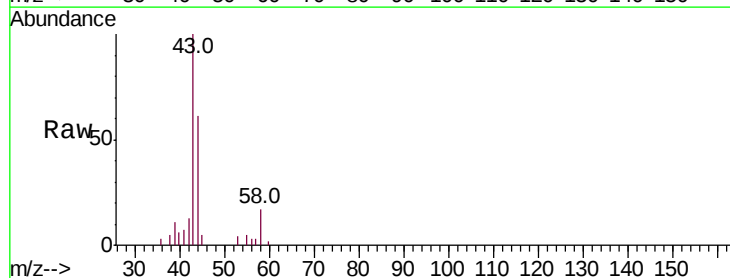
Acq: 27 Aug 2018 14:40

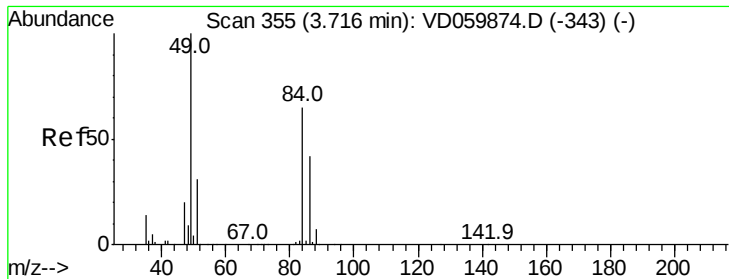
Tgt Ion: 43 Resp: 43483

Ion Ratio Lower Upper

43 100

58 17.3 17.6 26.4#

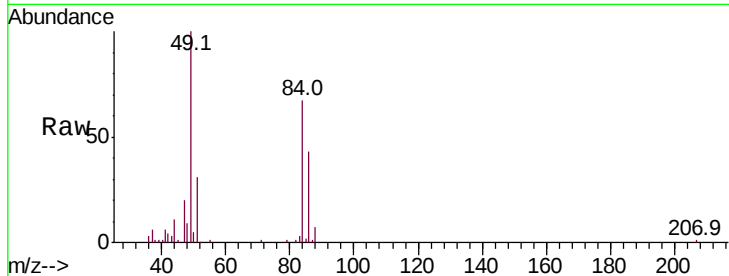




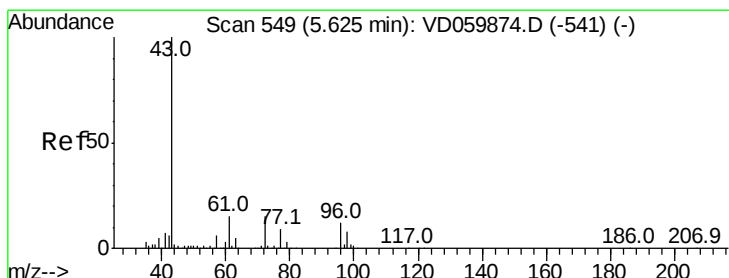
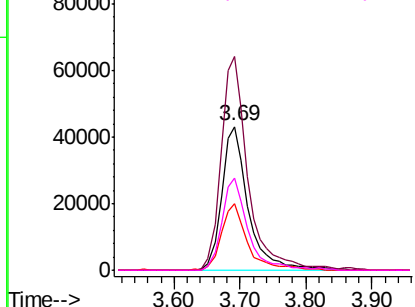
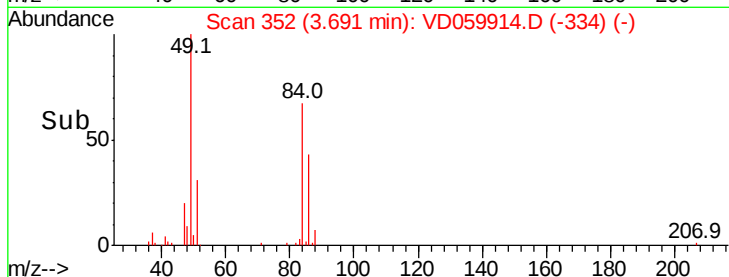
#20
Methvlene Chloride
Concen: 6.018 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.02 min
Lab File: VD059914.D
Acq: 27 Aug 2018 14:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 120970
Ion Ratio Lower Upper
84 100
49 148.5 122.6 183.8
51 46.0 38.4 57.6
86 63.7 51.5 77.3

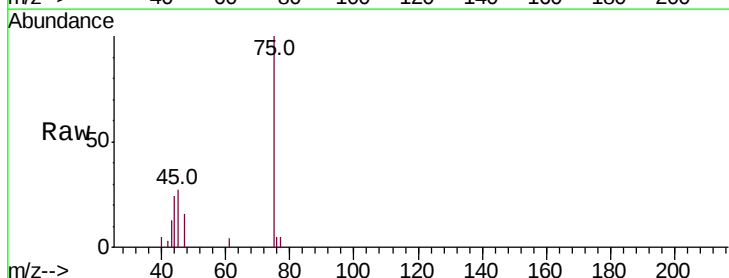


Abundance Ion 83.95 (83.65 to 84.65): VDC
100000
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

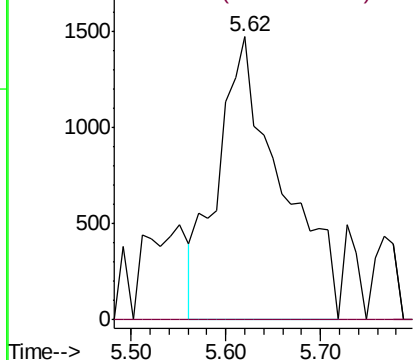
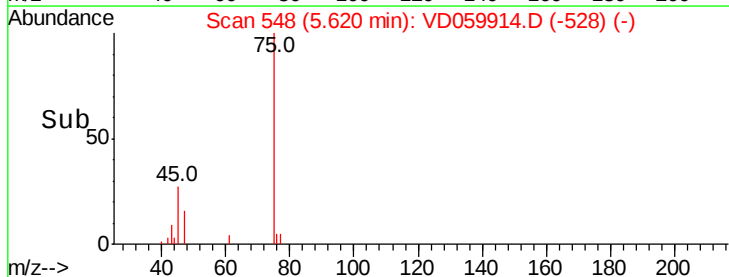


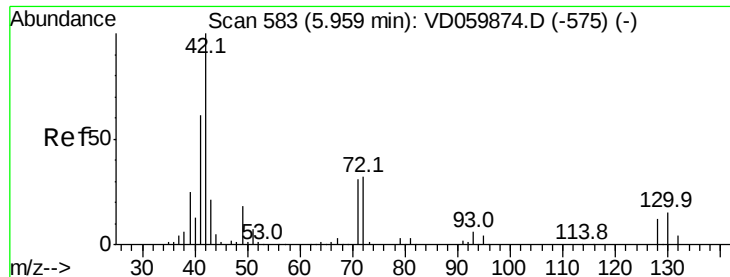
#25
2-Butanone
Concen: 1.187 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.00 min
Lab File: VD059914.D
Acq: 27 Aug 2018 14:40

Tgt Ion: 43 Resp: 6856
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: 5.93 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

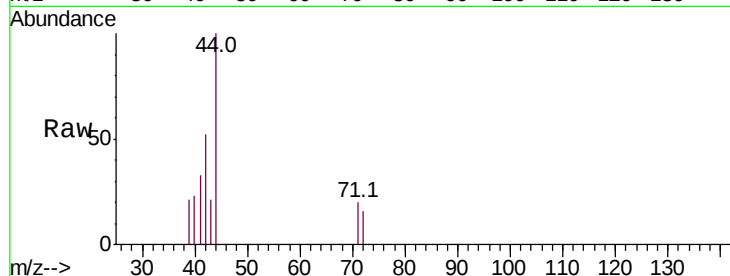
Tot Ion: 42 Resp: 5480

Ion Ratio Lower Upper

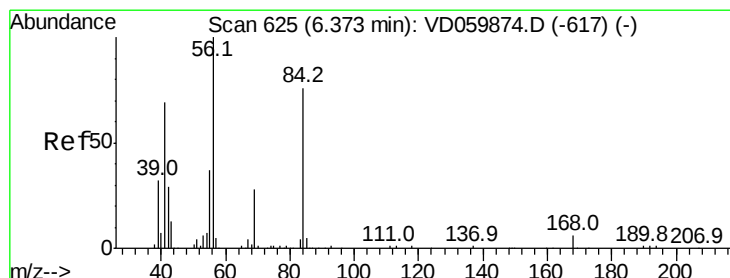
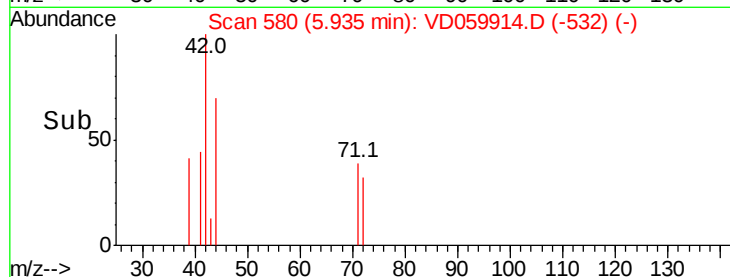
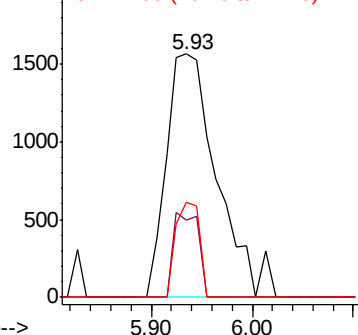
42 100

72 16.8 25.7 38.5#

71 18.0 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: 1.312 ug/l

RT: 6.39 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

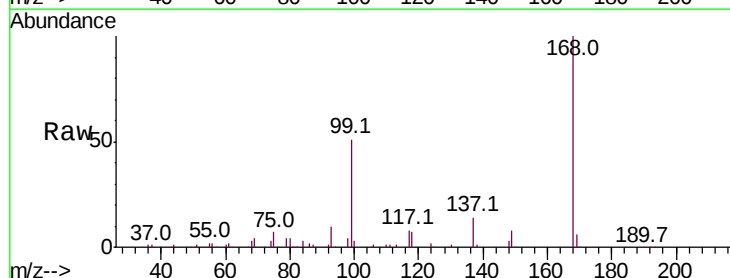
Tgt Ion: 56 Resp: 26738

Ion Ratio Lower Upper

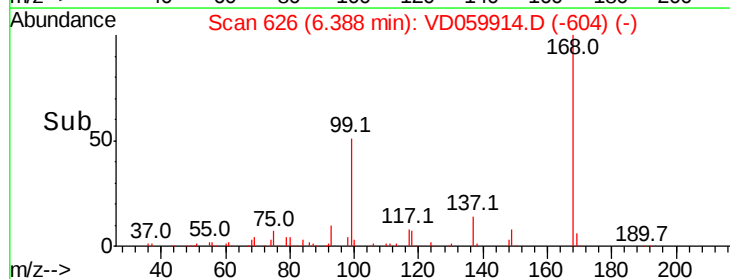
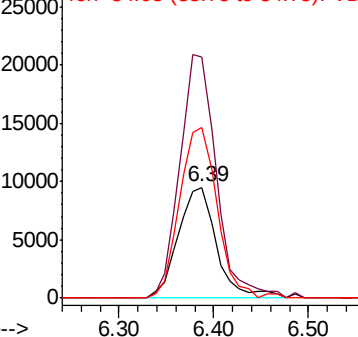
56 100

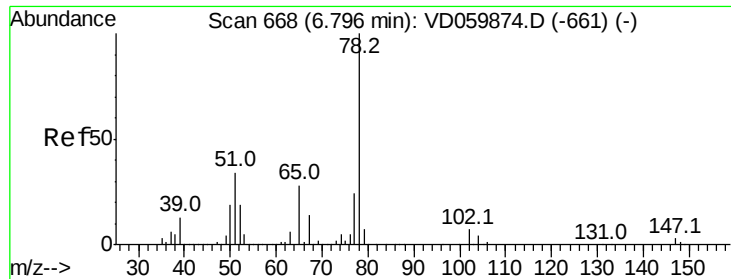
69 217.6 22.4 33.6#

84 153.8 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: VD059914.D

Acq: 27 Aug 2018 14:40

Instrument :

MSVOA_D

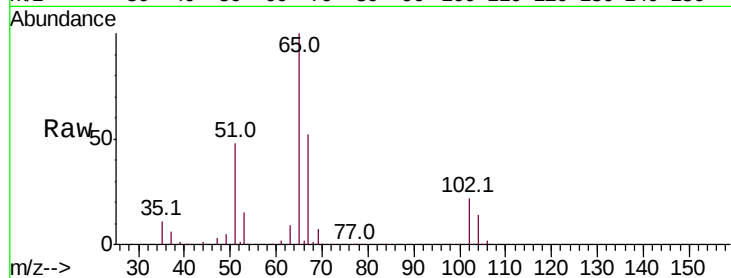
ClientSampleId :

Tot Ion: 65 Resp: 480946

Ion Ratio Lower Upper

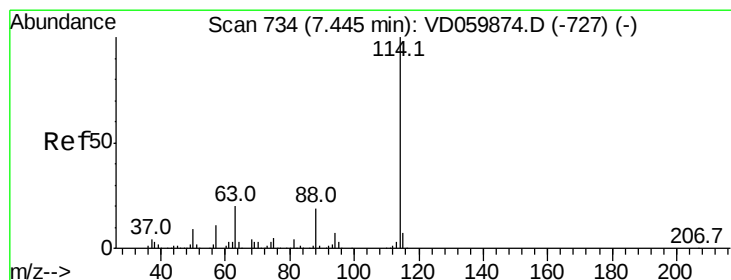
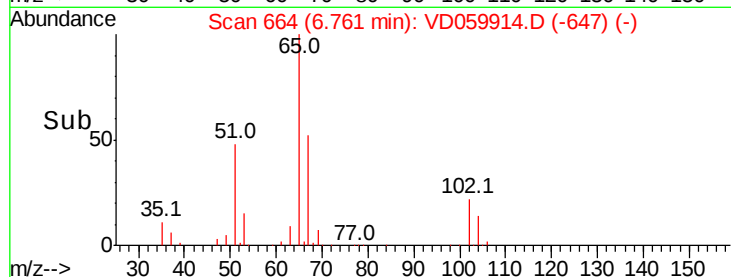
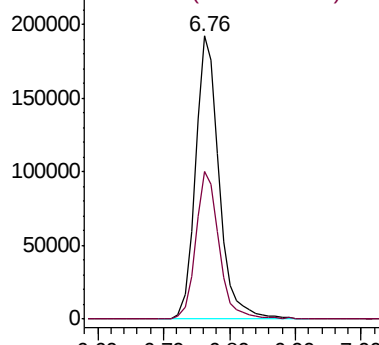
65 100

67 52.1 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# 731

Delta R.T. -0.02 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

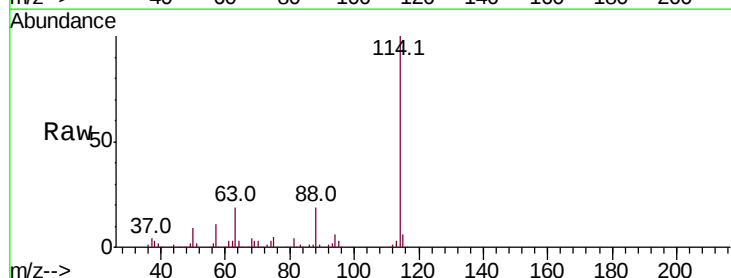
Tgt Ion:114 Resp: 1753367

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

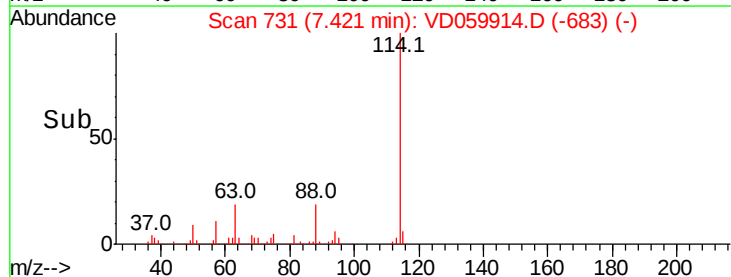
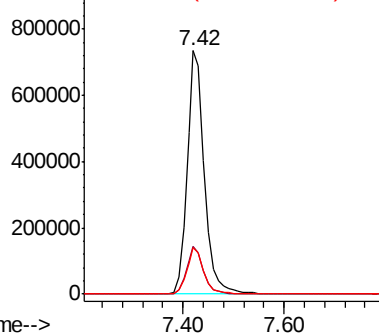
88 19.2 0.0 37.6

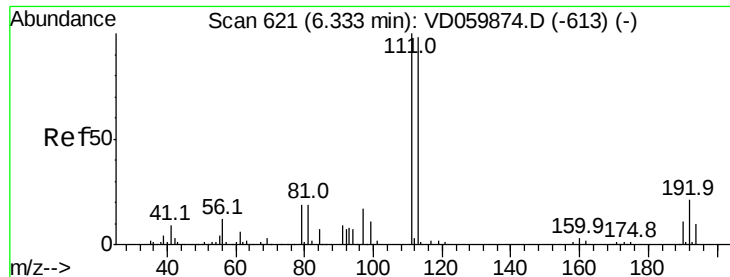


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

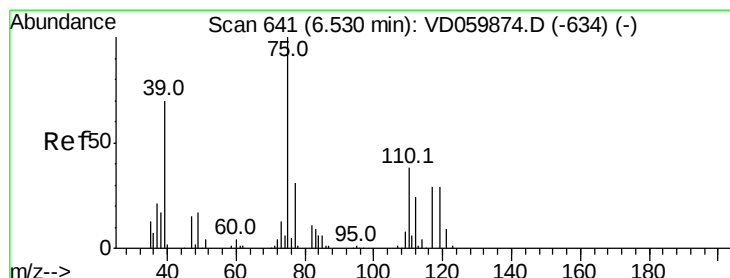
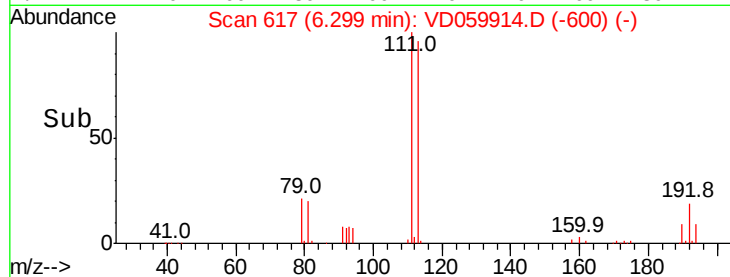
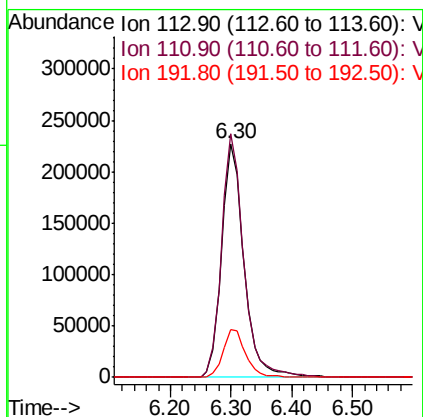
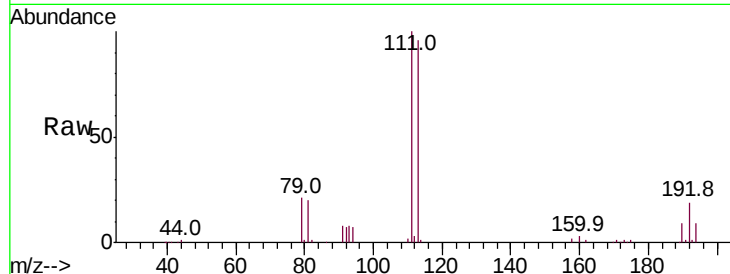




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059914.D
 Acq: 27 Aug 2018 14:40

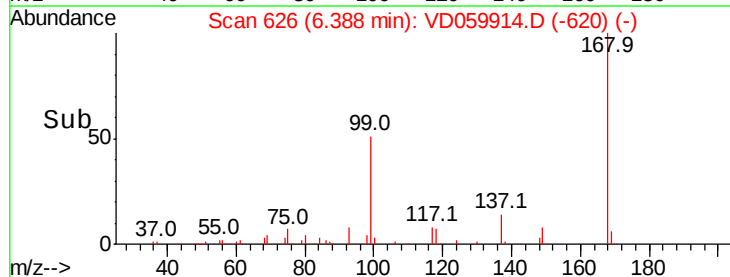
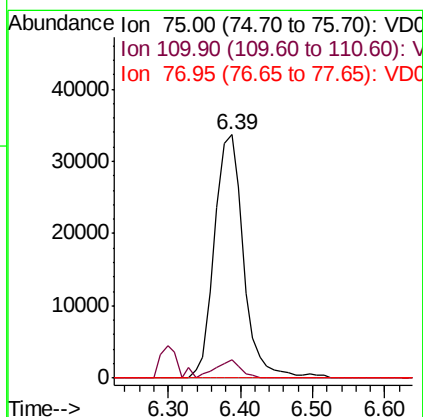
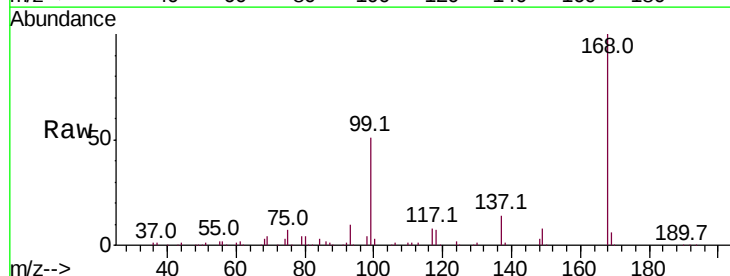
Instrument :
 MSVOA_D
 ClientSampleId :

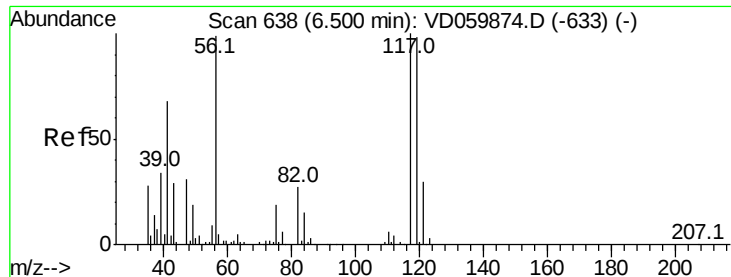
Tot Ion:113 Resp: 584991
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.4 122.2
 192 20.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.907 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. -0.14 min
 Lab File: VD059914.D
 Acq: 27 Aug 2018 14:40

Tgt Ion: 75 Resp: 93887
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.6 56.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.11 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

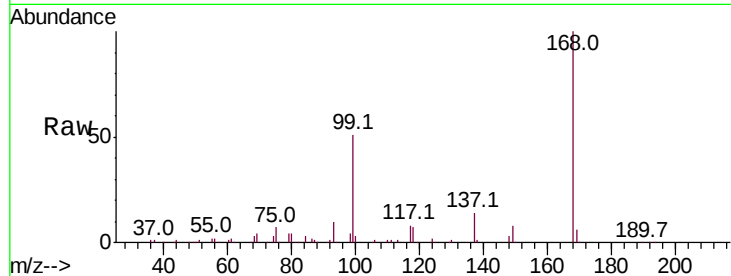
Tot Ion:117 Resp: 104524

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

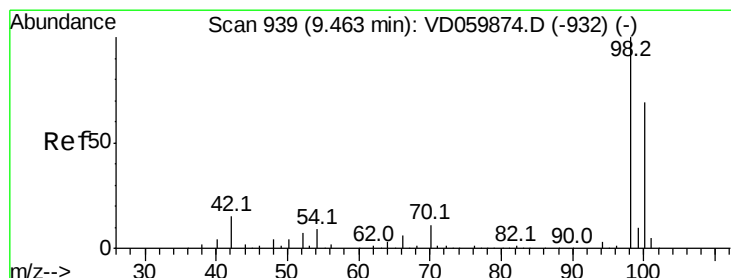
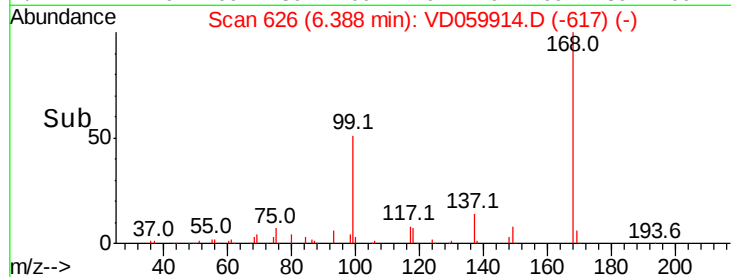
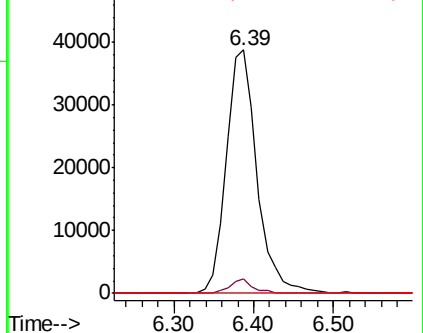
121 0.0 24.0 36.0#



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: VD059914.D

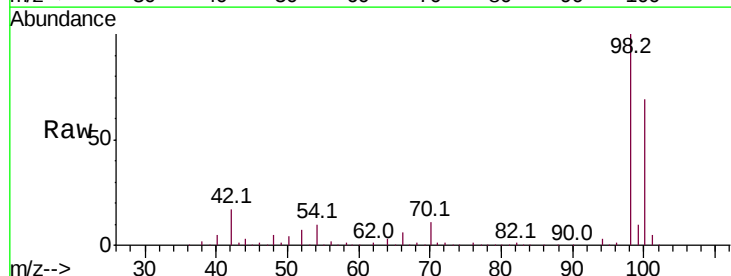
Acq: 27 Aug 2018 14:40

Tgt Ion: 98 Resp: 1577347

Ion Ratio Lower Upper

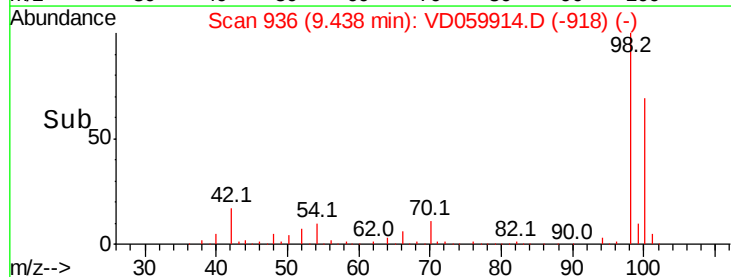
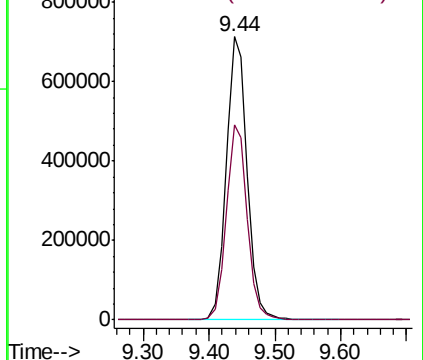
98 100

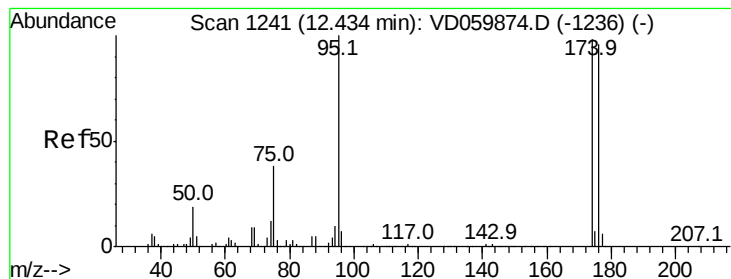
100 69.1 55.8 83.6



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: VD059914.D

Acq: 27 Aug 2018 14:40

Instrument :

MSVOA_D

ClientSampleId :

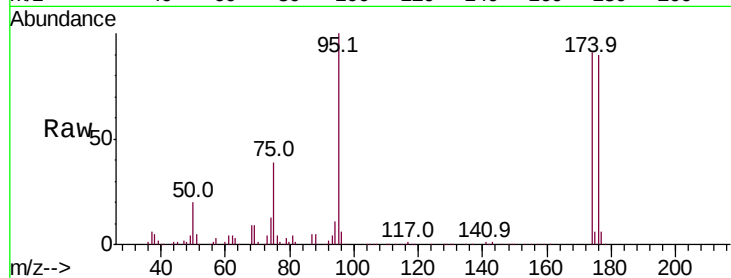
Tot Ion: 95 Resp: 618603

Ion Ratio Lower Upper

95 100

174 90.7 0.0 195.6

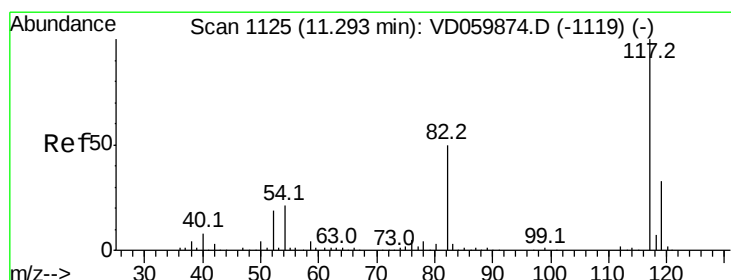
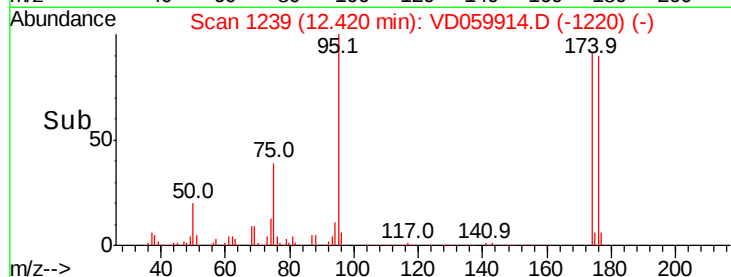
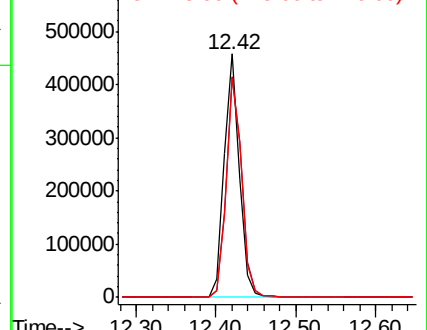
176 90.2 0.0 191.2



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: 11.28 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VD059914.D

Acq: 27 Aug 2018 14:40

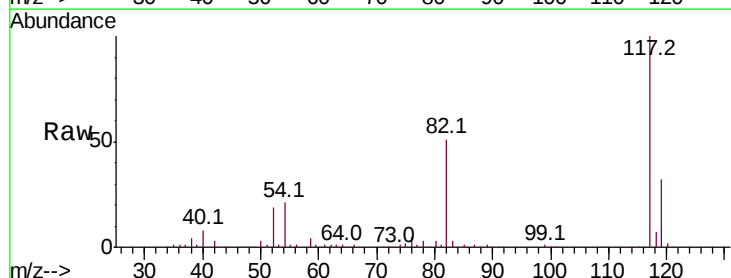
Tgt Ion: 117 Resp: 1457656

Ion Ratio Lower Upper

117 100

82 51.0 40.1 60.1

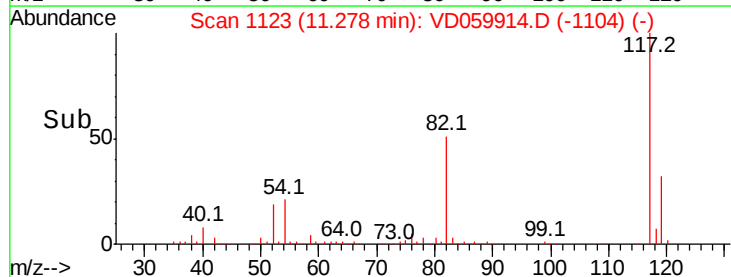
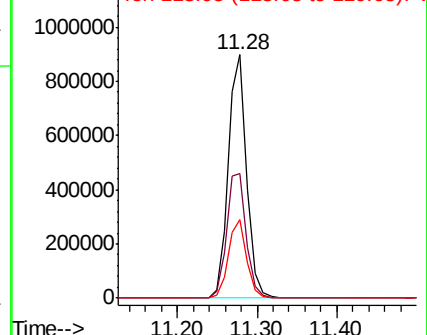
119 32.4 26.7 40.1

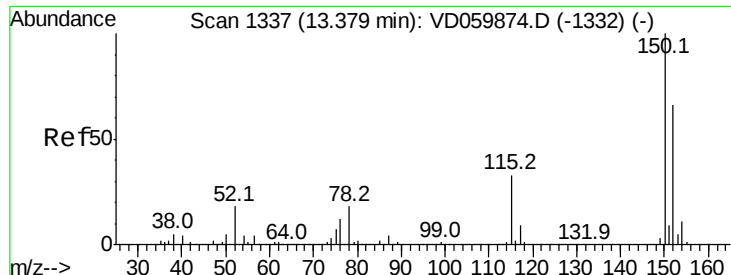


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



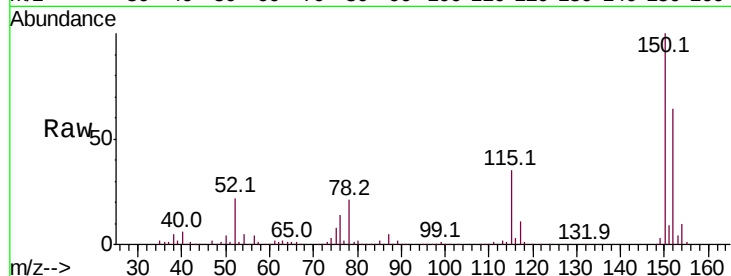


#72

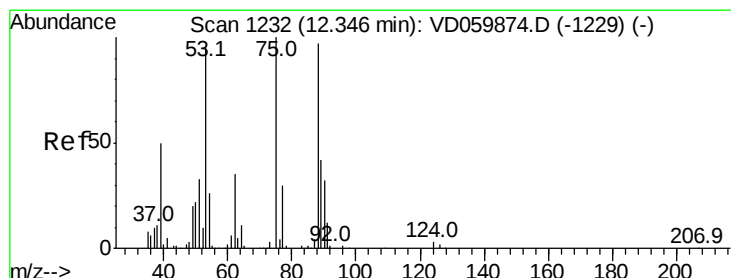
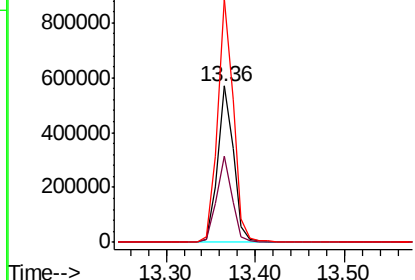
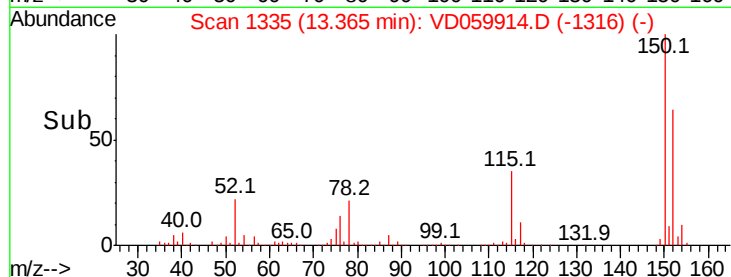
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059914.D
Acq: 27 Aug 2018 14:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 712988
Ion Ratio Lower Upper
152 100
115 54.9 25.7 77.0
150 156.1 0.0 310.2



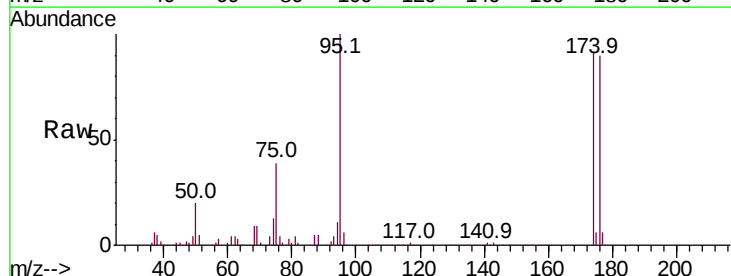
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 73.066 ug/l
RT: 12.42 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059914.D
Acq: 27 Aug 2018 14:40

Tgt Ion: 75 Resp: 251862
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

