

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059965.D
 Acq On : 5 Sep 2018 13:16
 Operator : JC/SY
 Sample : J4739-02
 Misc : 7.17g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC2-02-B

Quant Time: Sep 05 14:48:40 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	1362398	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1891312	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1567587	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	794872	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	569859	49.63	ug/l	-0.03
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	6.30	113	701658	47.32	ug/l	-0.03
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	9.44	98	1990795	48.38	ug/l	-0.02
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.42	95	719858	43.07	ug/l	-0.01
Spiked Amount			Recovery	=	86.14%	

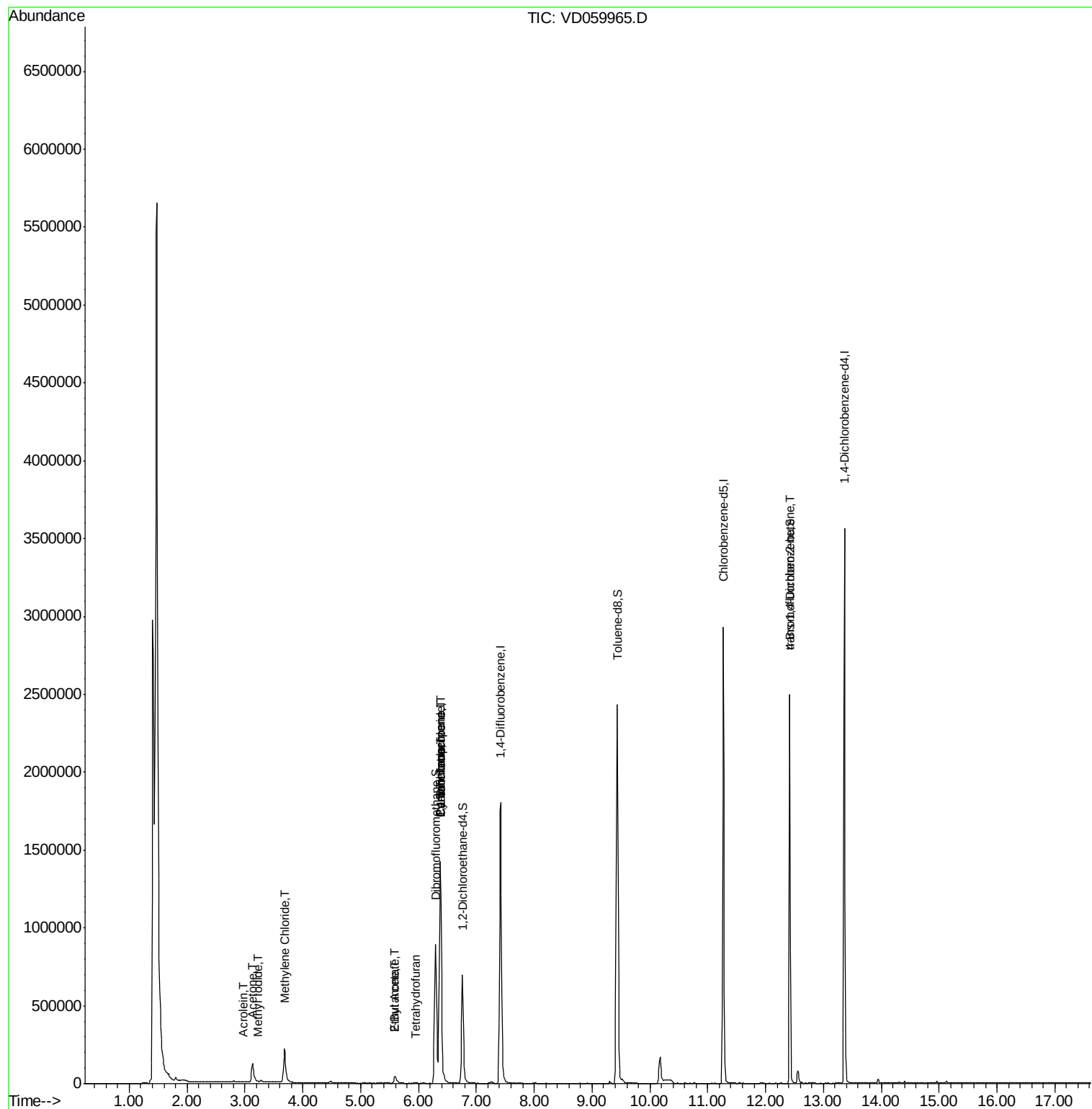
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.22	142	178	3.49	ug/l #	31
13) Acrolein	2.95	56	1561	4.11	ug/l	83
16) Acetone	3.13	43	234495	112.09	ug/l	98
20) Methylene Chloride	3.68	84	124650	5.62	ug/l	97
25) 2-Butanone	5.59	43	88133	14.22	ug/l	94
29) Tetrahydrofuran	5.93	42	4208	1.43	ug/l #	47
31) Cyclohexane	6.38	56	26396	1.21	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	98705	5.76	ug/l #	46
37) Ethyl Acetate	5.59	43	88133	6.61	ug/l #	71
38) Carbon Tetrachloride	6.38	117	105582	6.10	ug/l #	17
81) trans-1,4-Dichloro-2-buten	12.42	75	295197	76.82	ug/l #	12
89) n-Butylbenzene	13.64	91	1333	Below Cal	#	70

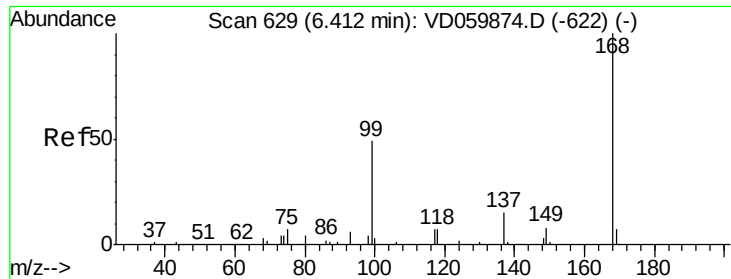
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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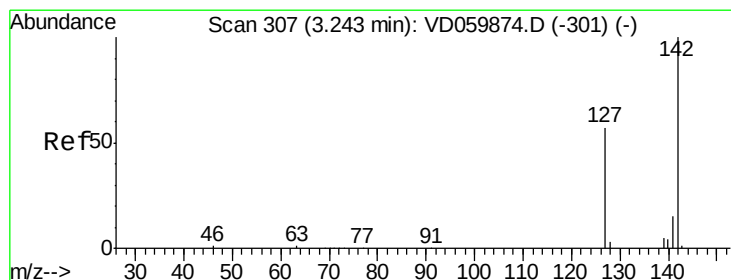
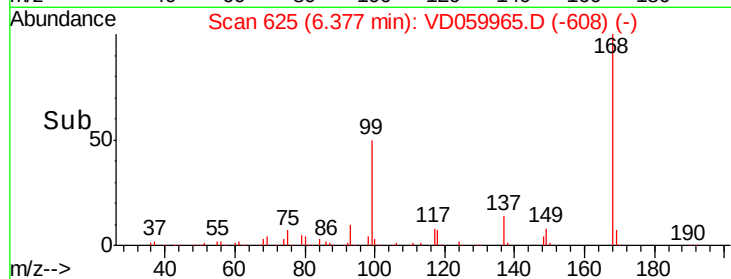
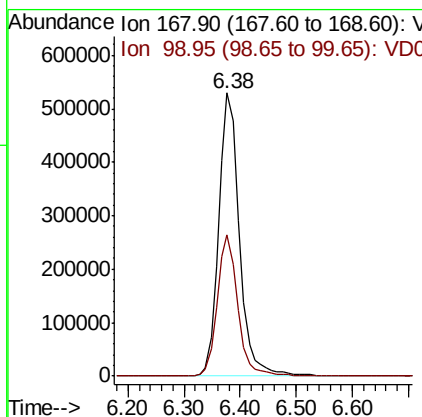
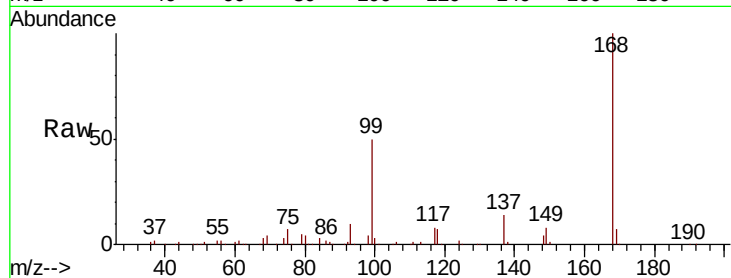




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.03 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

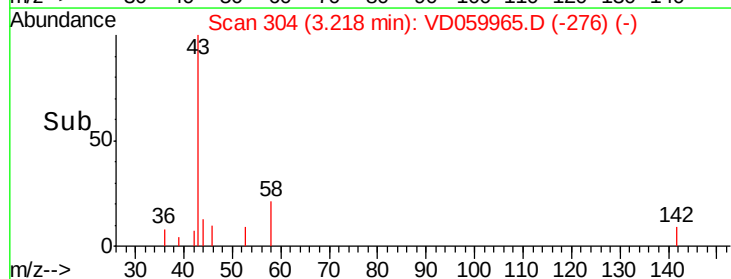
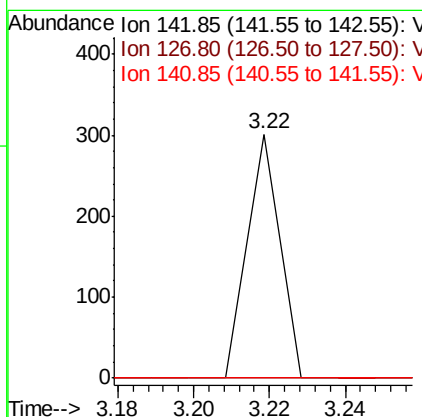
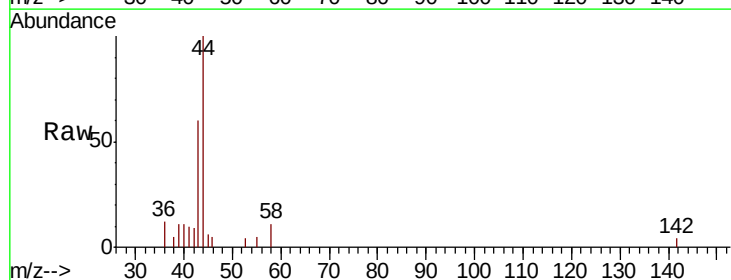
Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-B

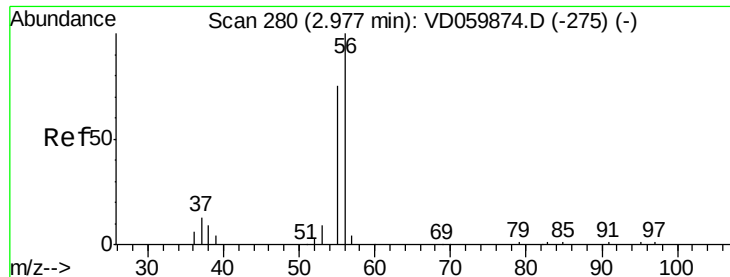
Tot Ion:168 Resp: 1362398
Ion Ratio Lower Upper
168 100
99 49.8 42.2 63.2



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.02 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
127 0.0 45.8 68.6#
141 0.0 11.6 17.4#





#13

Acrolein

Concen: 4.11 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059965.D

Acq: 5 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampled :

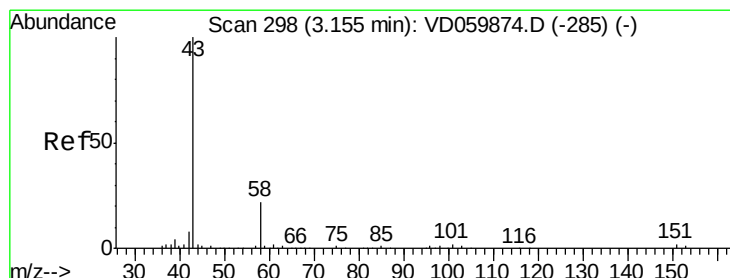
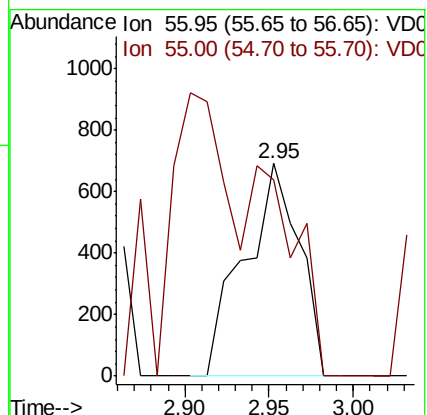
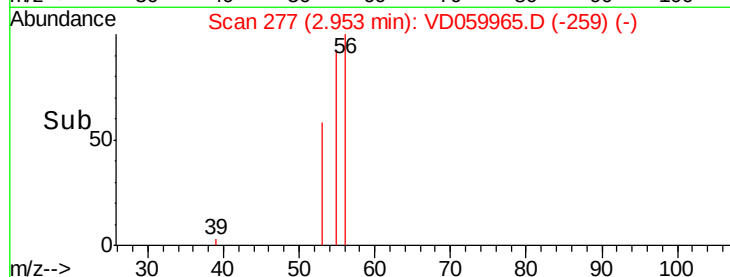
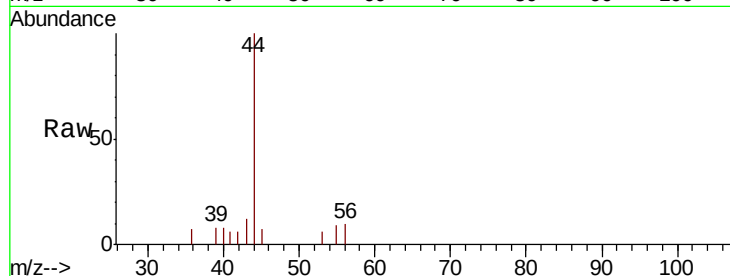
AOC2-02-B

Tot Ion: 56 Resp: 1561

Ion Ratio Lower Upper

56 100

55 92.5 61.9 92.9



#16

Acetone

Concen: 112.09 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059965.D

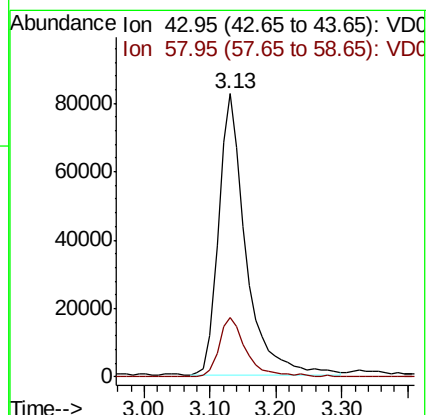
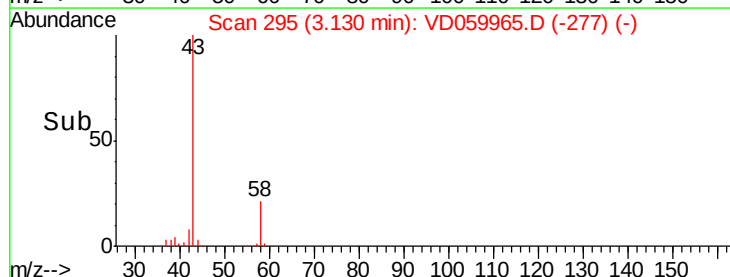
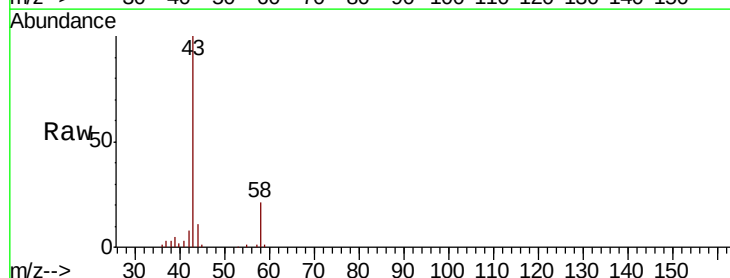
Acq: 5 Sep 2018 13:16

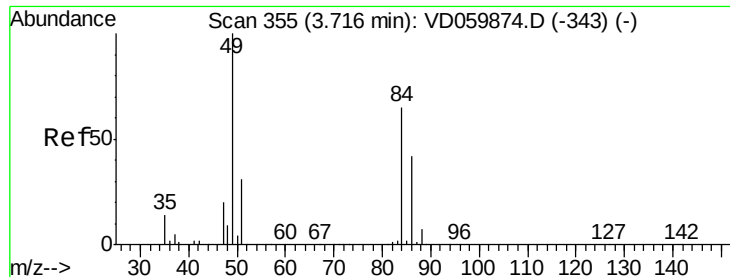
Tgt Ion: 43 Resp: 234495

Ion Ratio Lower Upper

43 100

58 21.1 17.6 26.4

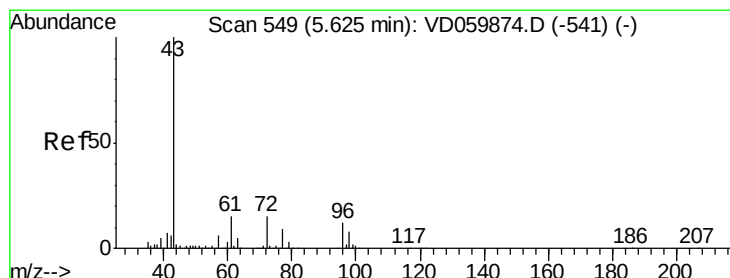
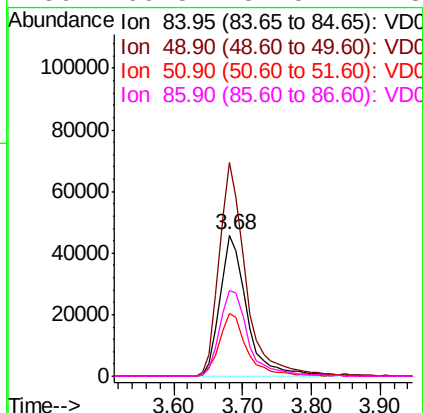
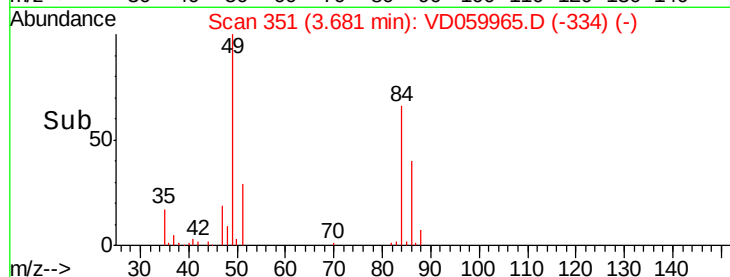
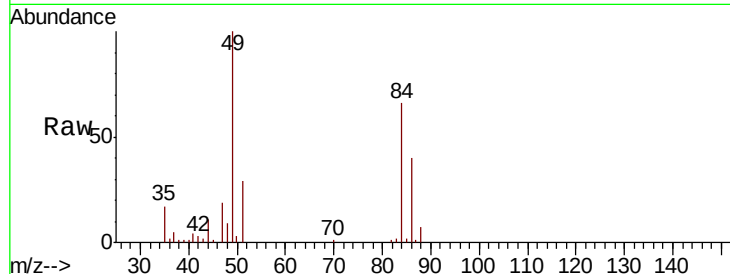




#20
Methylene Chloride
Concen: 5.62 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

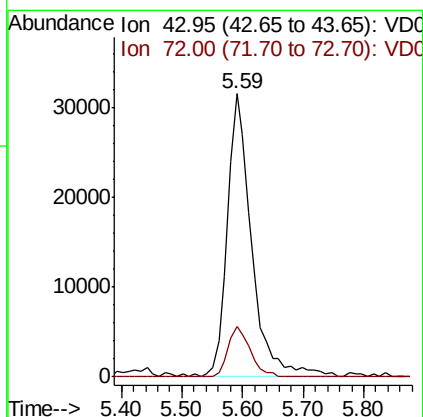
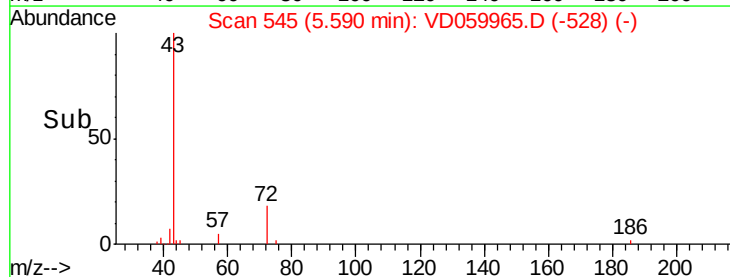
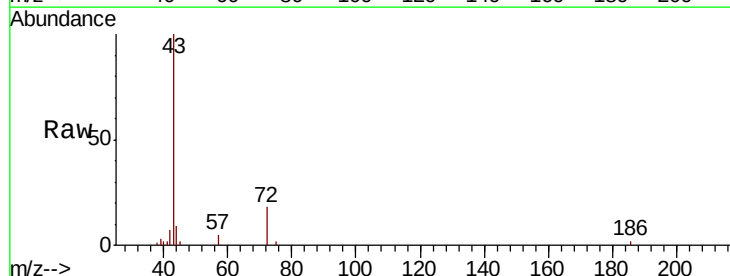
Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-B

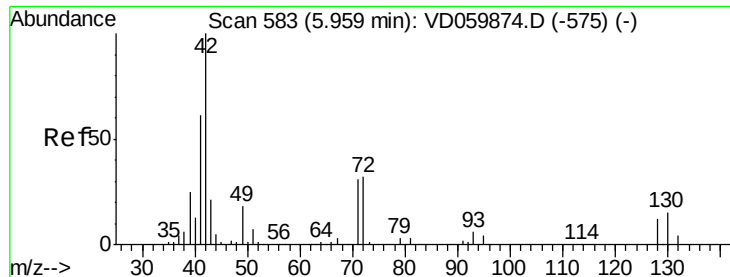
Tot Ion: 84 Resp: 124650
Ion Ratio Lower Upper
84 100
49 151.0 122.6 183.8
51 44.5 38.4 57.6
86 60.3 51.5 77.3



#25
2-Butanone
Concen: 14.22 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.03 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Tgt Ion: 43 Resp: 88133
Ion Ratio Lower Upper
43 100
72 17.9 12.3 18.5





#29

Tetrahydrofuran

Concen: 1.43 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059965.D

Acq: 5 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-B

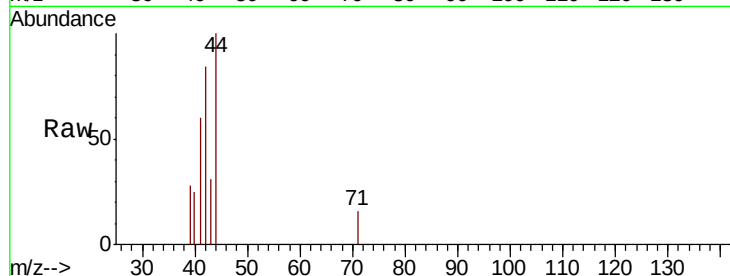
Tot Ion: 42 Resp: 4208

Ion Ratio Lower Upper

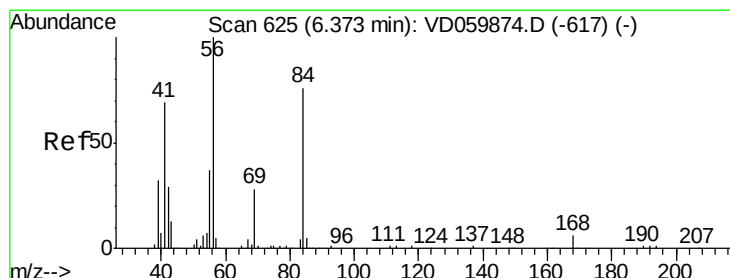
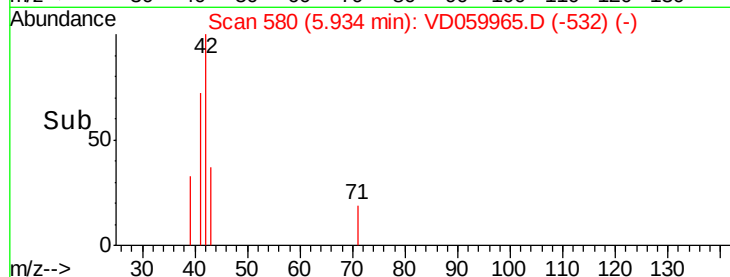
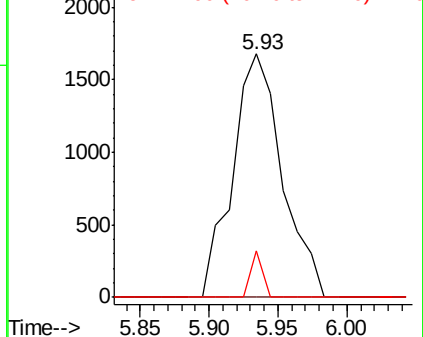
42 100

72 0.0 25.7 38.5#

71 4.5 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: 1.21 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059965.D

Acq: 5 Sep 2018 13:16

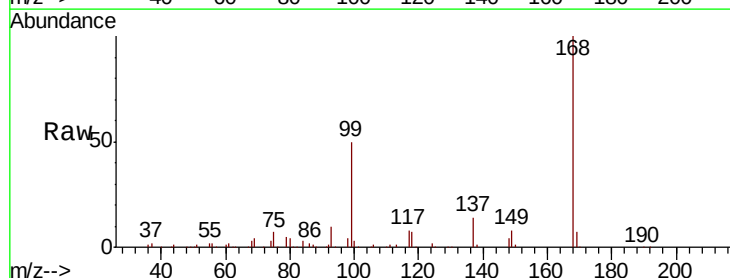
Tgt Ion: 56 Resp: 26396

Ion Ratio Lower Upper

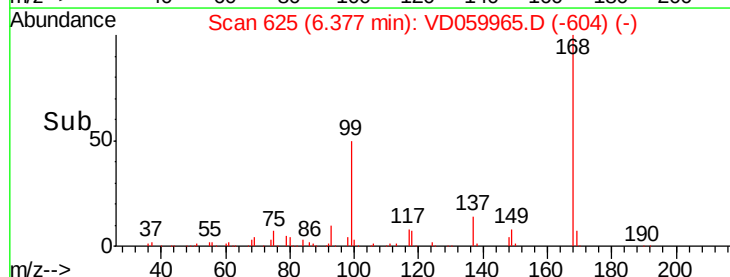
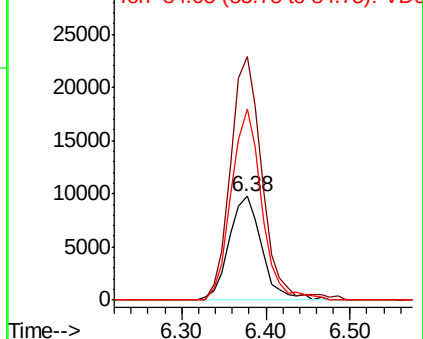
56 100

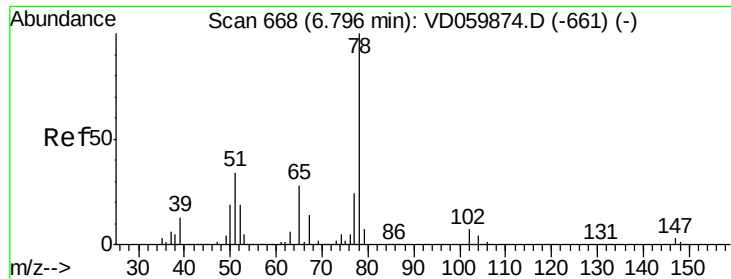
69 234.2 22.4 33.6#

84 184.1 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

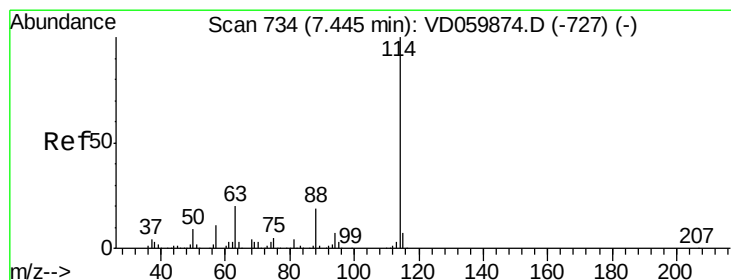
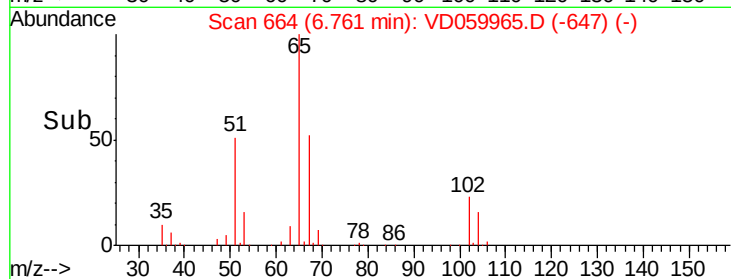
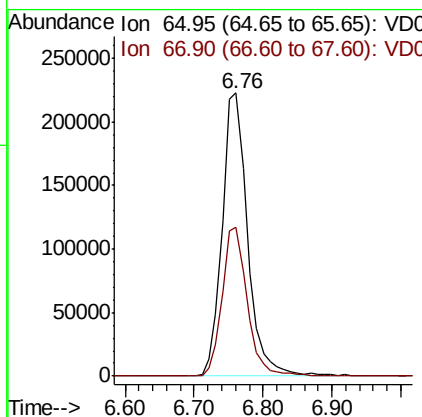
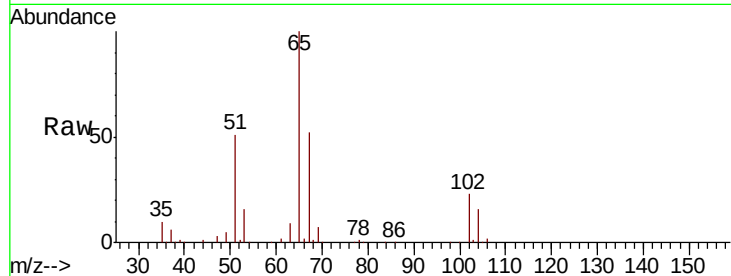




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059965.D
 Acq: 5 Sep 2018 13:16

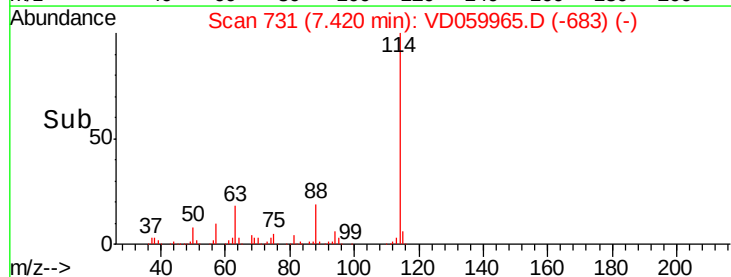
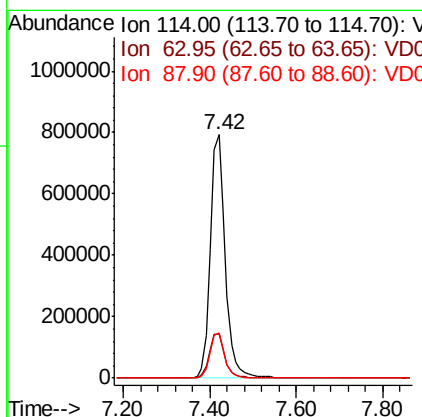
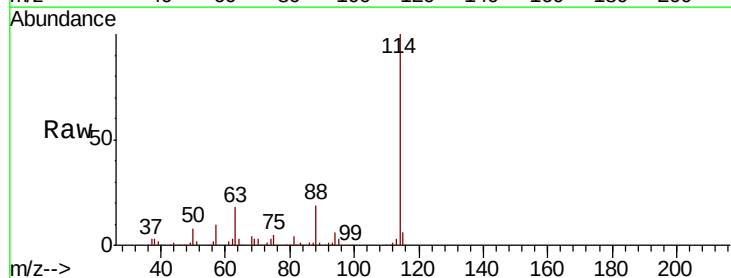
Instrument :
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 AOC2-02-B

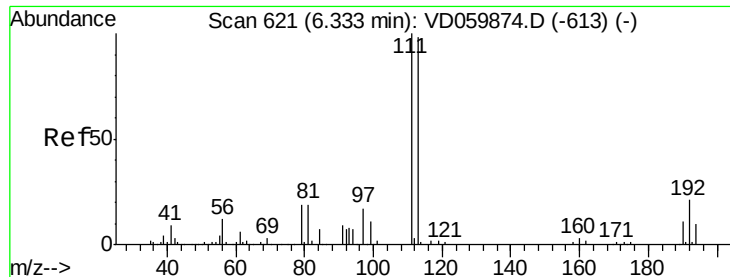
Tot Ion: 65 Resp: 569859
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059965.D
 Acq: 5 Sep 2018 13:16

Tgt Ion: 114 Resp: 1891312
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.4
 88 18.6 0.0 37.6

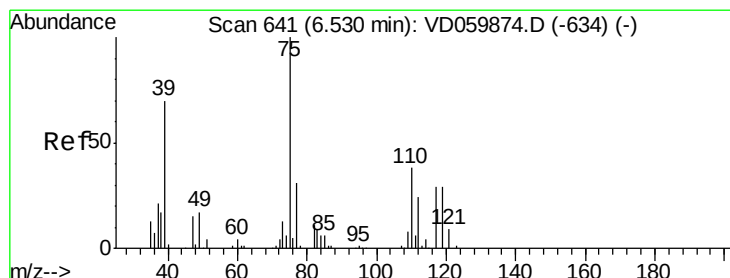
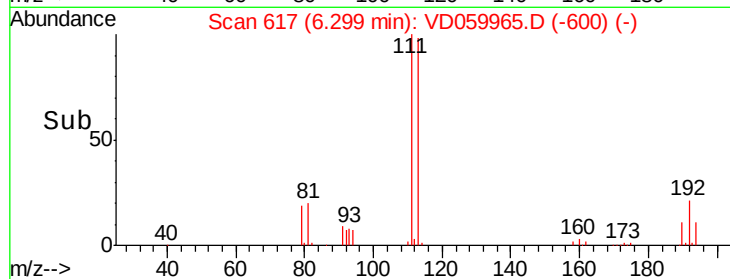
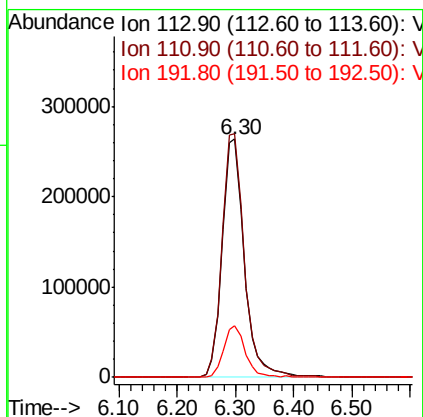
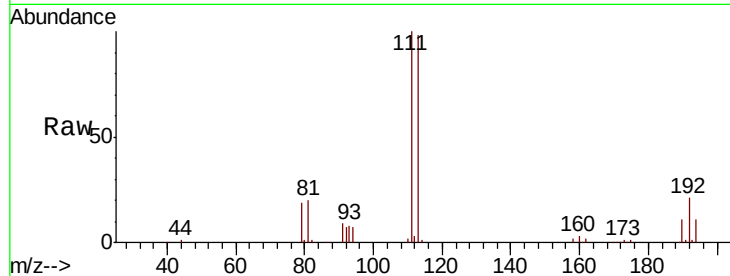




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059965.D
 Acq: 5 Sep 2018 13:16

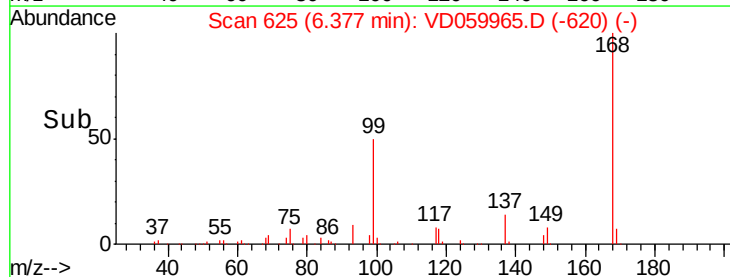
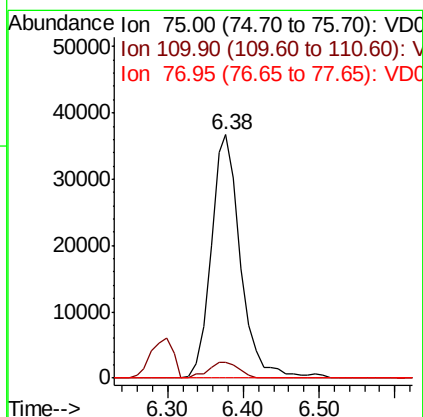
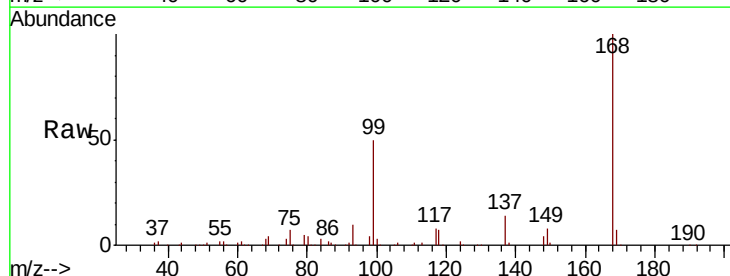
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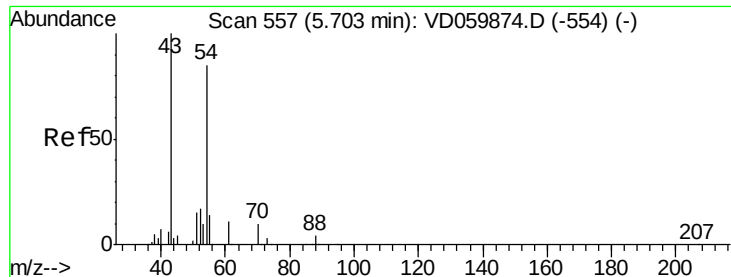
Tot Ion:113 Resp: 701658
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.76 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.15 min
 Lab File: VD059965.D
 Acq: 5 Sep 2018 13:16

Tgt Ion: 75 Resp: 98705
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.6 56.0#
 77 0.0 25.1 37.7#

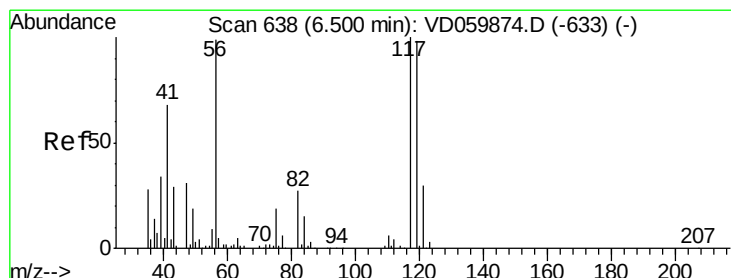
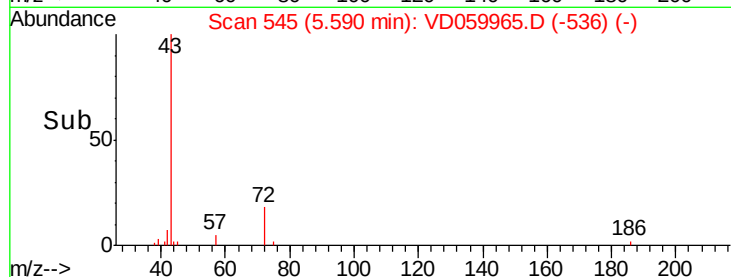
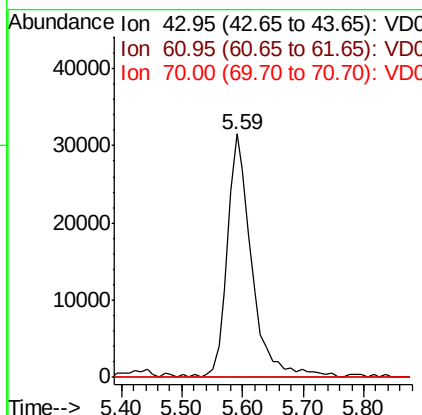
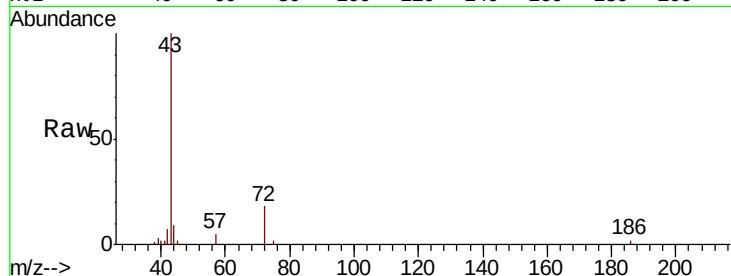




#37
Ethyl Acetate
Concen: 6.61 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.11 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

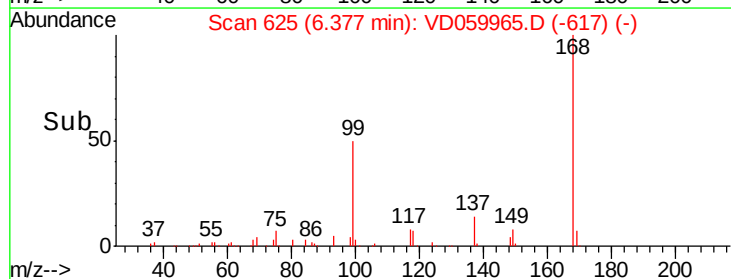
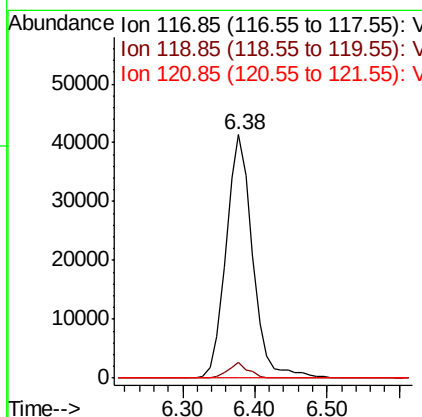
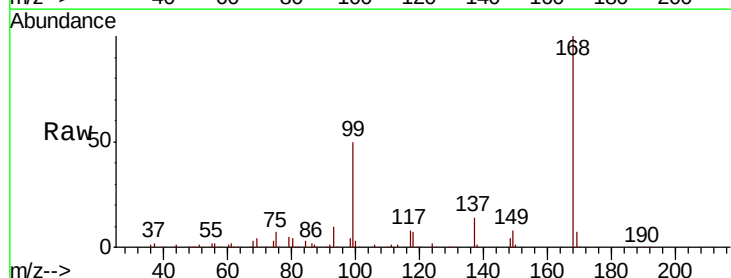
Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-B

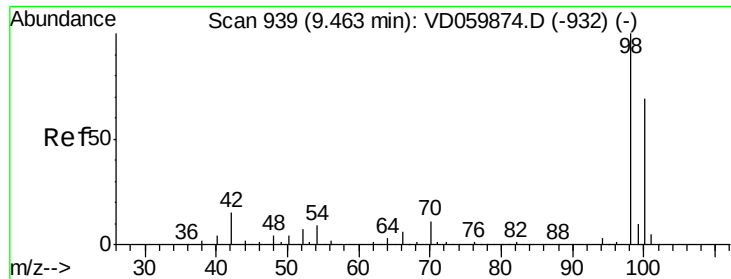
Tot Ion: 43 Resp: 88133
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.12 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Tgt Ion: 117 Resp: 105582
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.0 36.0#

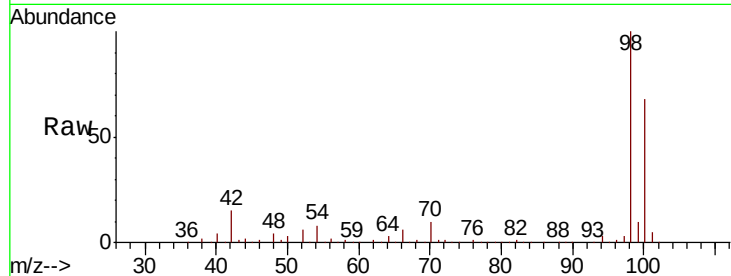




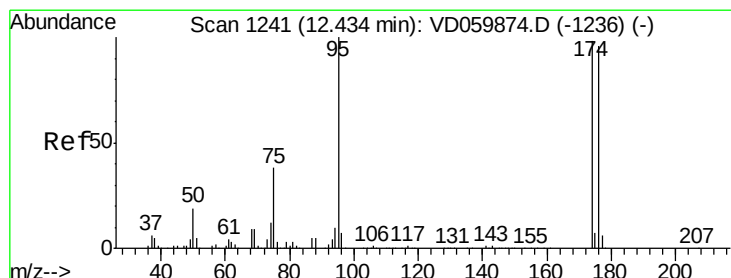
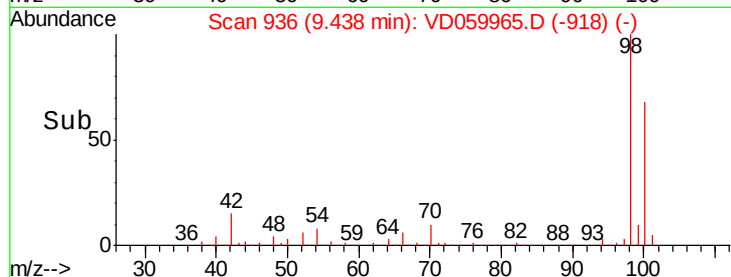
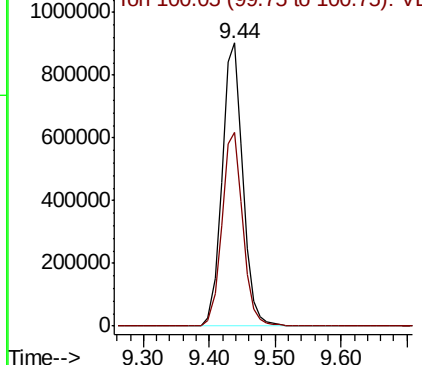
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Instrument :
MSVOA_D
ClientSampleID :
AOC2-02-B

Tot Ion: 98 Resp: 1990795
Ion Ratio Lower Upper
98 100
100 68.5 55.8 83.6

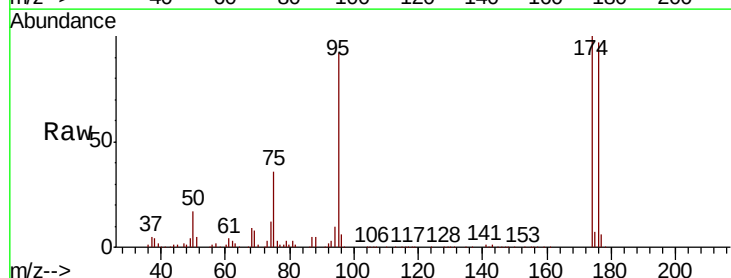


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

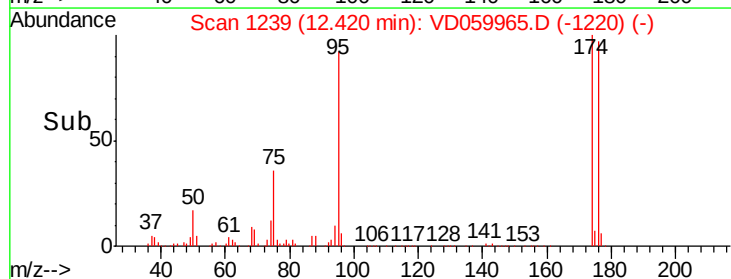
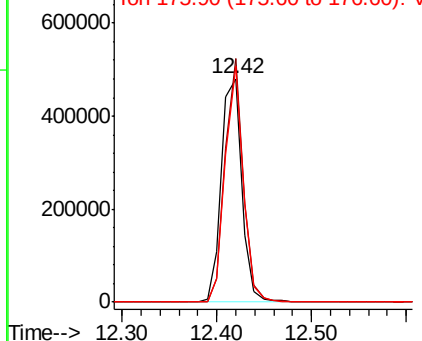


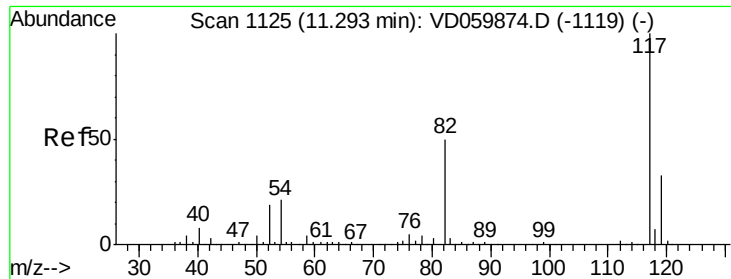
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Tgt Ion: 95 Resp: 719858
Ion Ratio Lower Upper
95 100
174 109.1 0.0 195.6
176 105.8 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

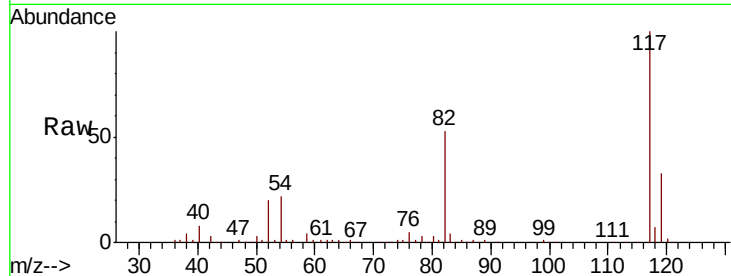




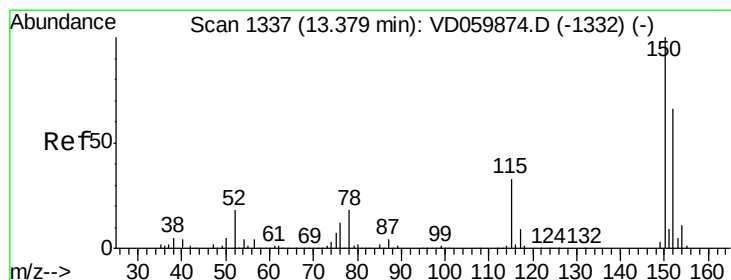
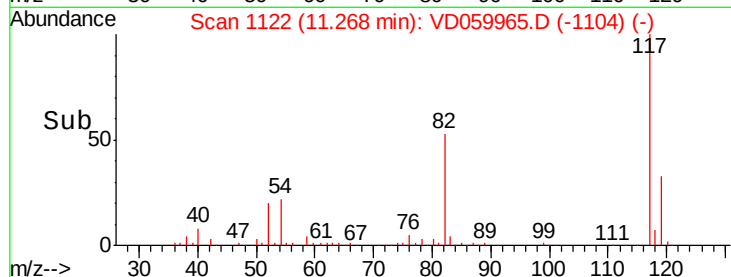
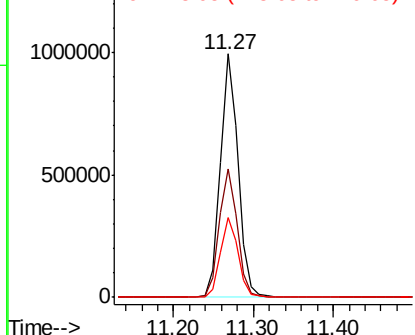
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-B

Tot Ion:117 Resp: 1567587
Ion Ratio Lower Upper
117 100
82 52.7 40.1 60.1
119 32.8 26.7 40.1

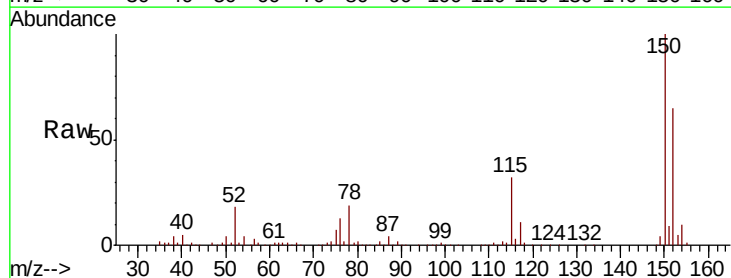


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

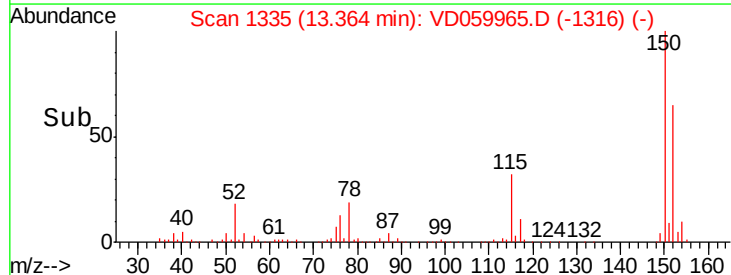
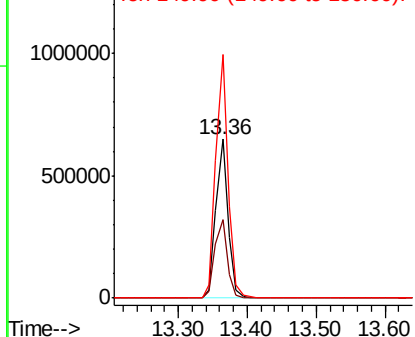


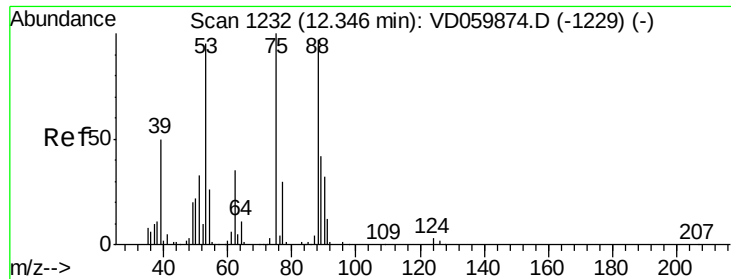
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059965.D
Acq: 5 Sep 2018 13:16

Tgt Ion:152 Resp: 794872
Ion Ratio Lower Upper
152 100
115 49.2 25.7 77.0
150 153.5 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: 76.82 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059965.D

Acq: 5 Sep 2018 13:16

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-B

Tot Ion: 75 Resp: 295197

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

