

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059971.D
 Acq On : 5 Sep 2018 16:07
 Operator : JC/SY
 Sample : J4741-12
 Misc : 5.28g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC10-02-D

Quant Time: Sep 05 16:51:17 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	1093224	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1535116	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1290732	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	683240	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	554703	60.20	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	120.40%	
35) Dibromofluoromethane	6.29	113	658583	54.72	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	109.44%	
50) Toluene-d8	9.43	98	1861264	55.72	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.41	95	713217	52.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.14%	

Target Compounds

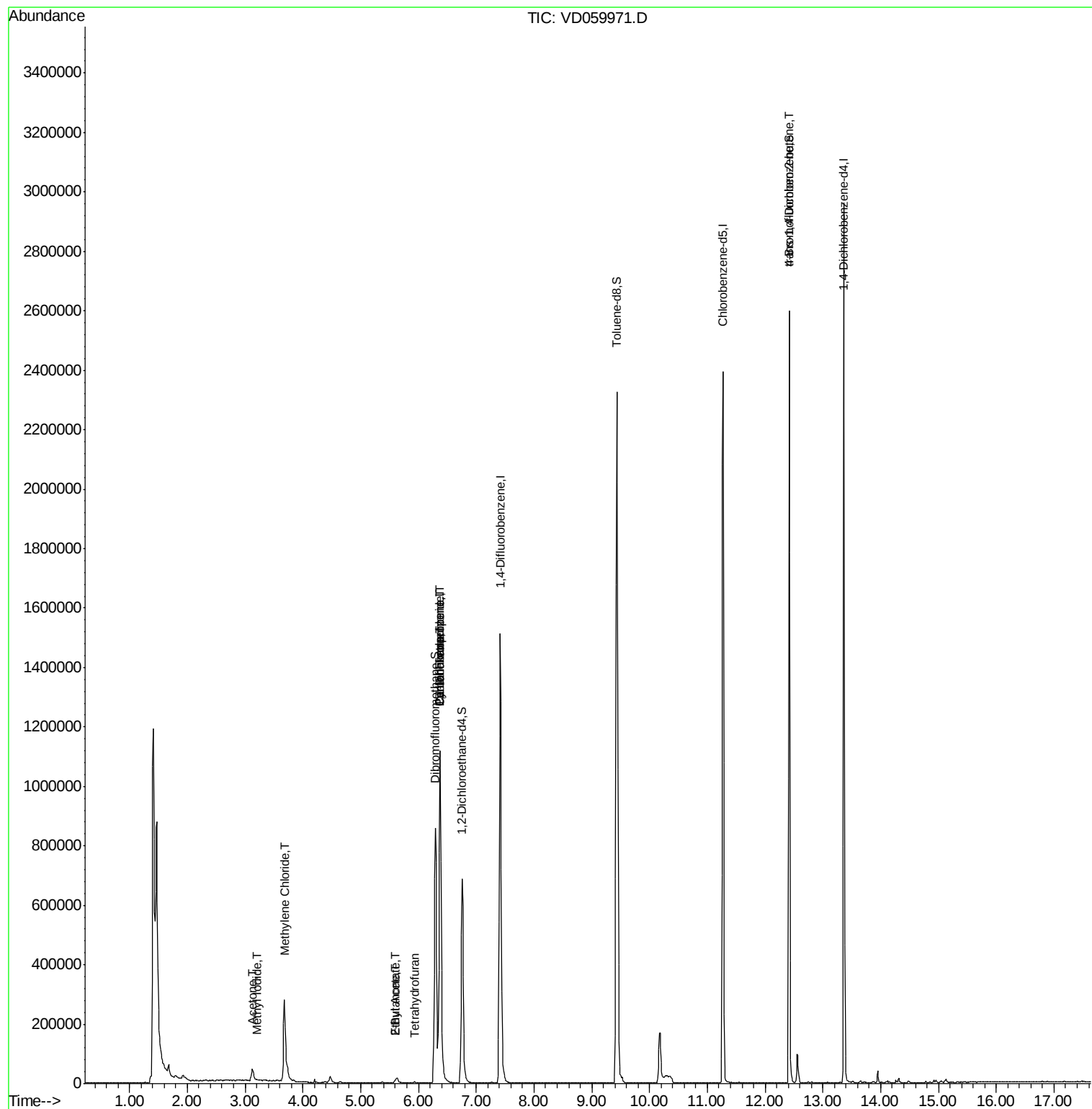
					Qvalue	
10) Methyl Iodide	3.21	142	705	3.591	ug/l #	31
16) Acetone	3.12	43	78752	46.912	ug/l	97
20) Methylene Chloride	3.68	84	161938	11.594	ug/l	97
25) 2-Butanone	5.59	43	15002	3.017	ug/l #	91
29) Tetrahydrofuran	5.92	42	2925	1.236	ug/l #	61
31) Cyclohexane	6.37	56	21689	1.236	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	80902	5.814	ug/l #	47
37) Ethyl Acetate	5.59	43	15002	1.385	ug/l #	71
38) Carbon Tetrachloride	6.38	117	87697	6.245	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	293550	88.868	ug/l #	12
89) n-Butylbenzene	13.63	91	936	Below Cal	#	74

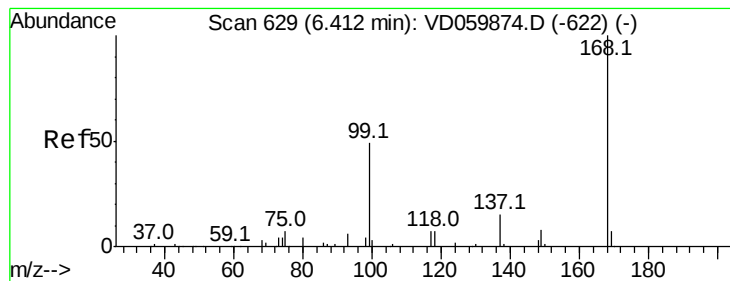
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 626

Delta R.T. -0.03 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

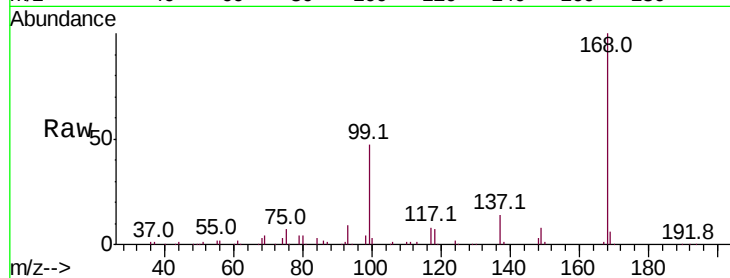
AOC10-02-D

Tot Ion:168 Resp: 1093224

Ion Ratio Lower Upper

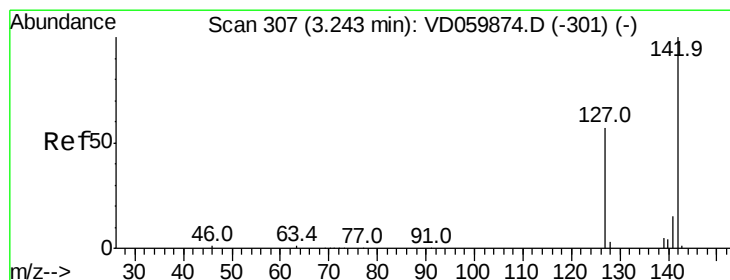
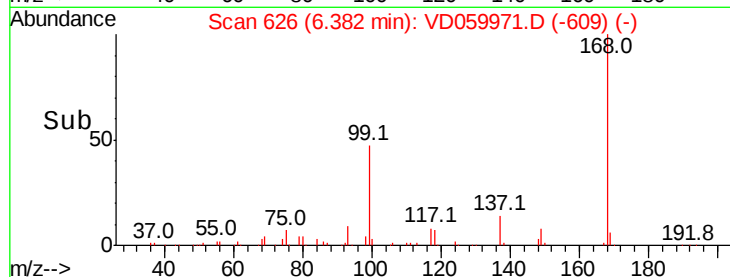
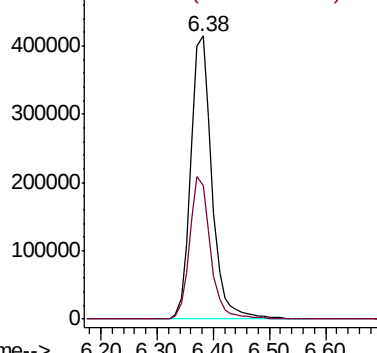
168 100

99 47.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 3.591 ug/l

RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

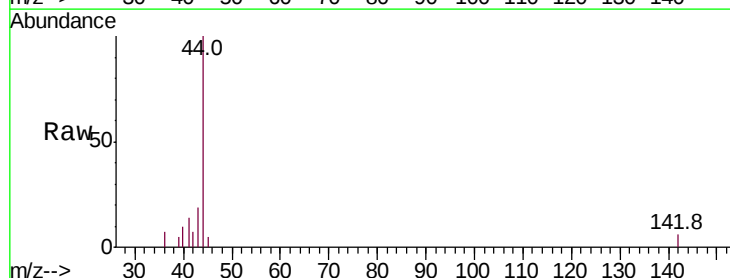
Tgt Ion:142 Resp: 705

Ion Ratio Lower Upper

142 100

127 0.0 45.8 68.6#

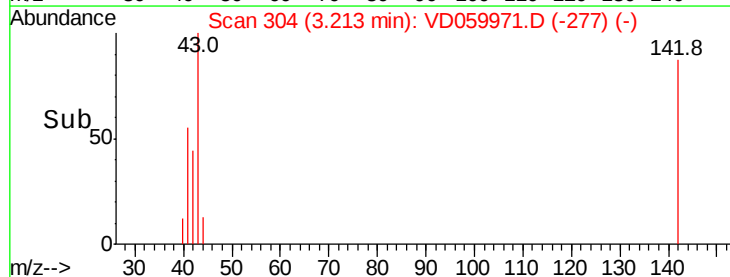
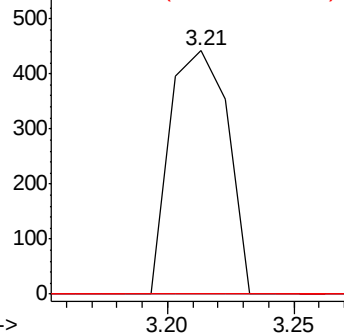
141 0.0 11.6 17.4#

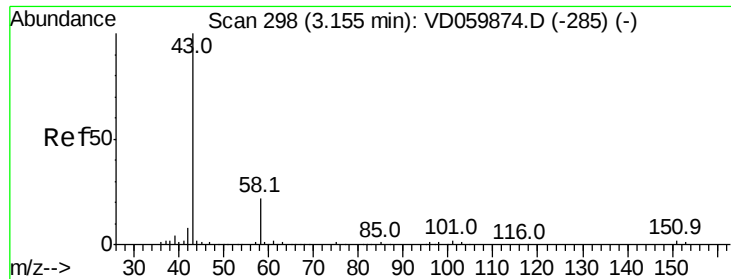


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 46.912 ug/l

RT: 3.12 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

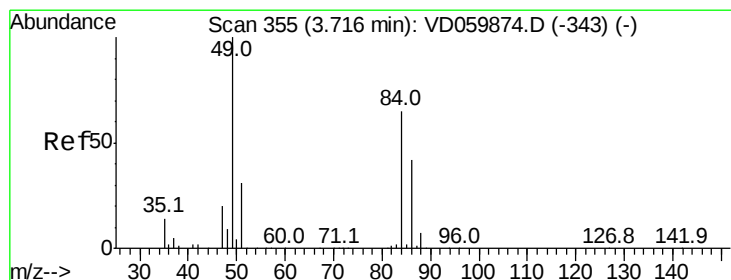
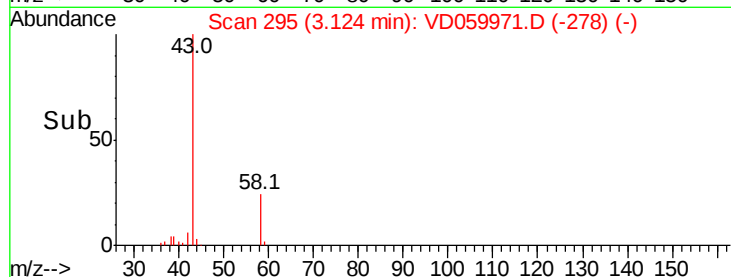
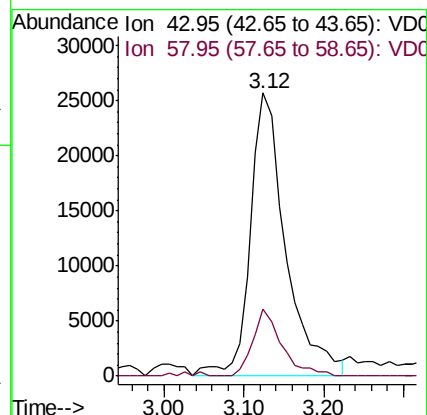
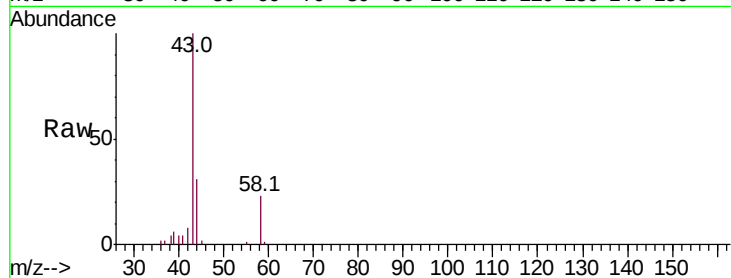
AOC10-02-D

Tot Ion: 43 Resp: 78752

Ion Ratio Lower Upper

43 100

58 23.5 17.6 26.4



#20

Methylene Chloride

Concen: 11.594 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Tgt Ion: 84 Resp: 161938

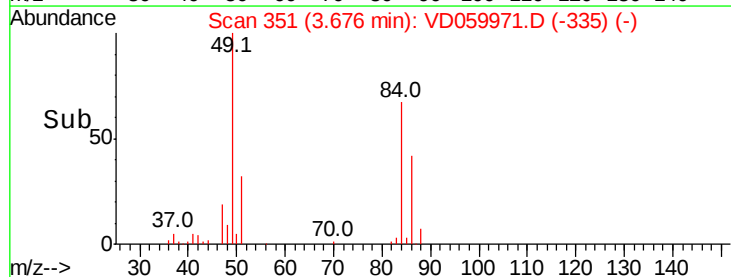
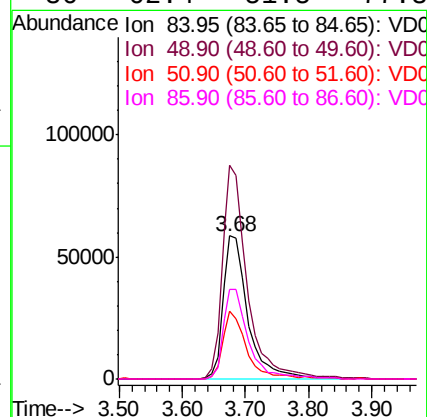
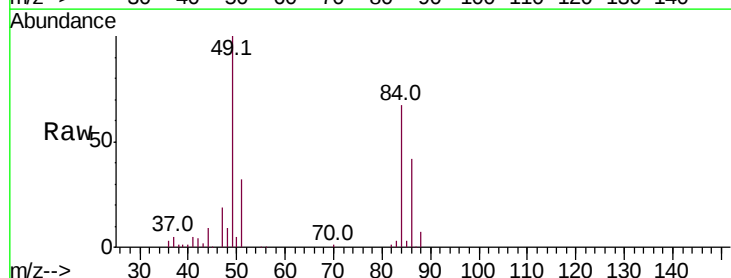
Ion Ratio Lower Upper

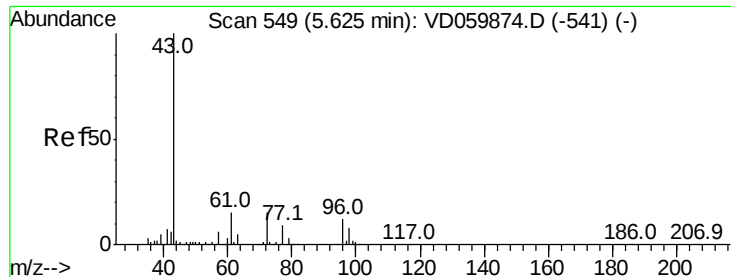
84 100

49 149.3 122.6 183.8

51 47.1 38.4 57.6

86 62.4 51.5 77.3





#25

2-Butanone

Concen: 3.017 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

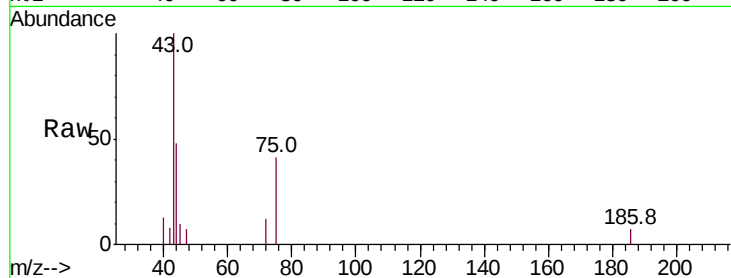
AOC10-02-D

Tot Ion: 43 Resp: 15002

Ion Ratio Lower Upper

43 100

72 11.6 12.3 18.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.59

5000

4000

3000

2000

1000

0

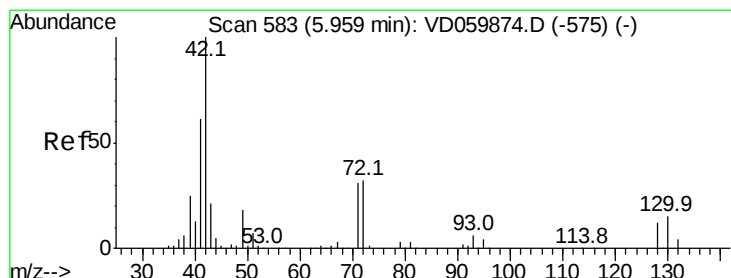
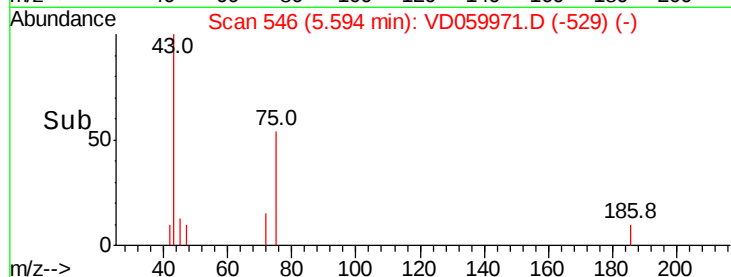
5.50

5.60

5.70

5.80

Time-->



#29

Tetrahydrofuran

Concen: 1.236 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

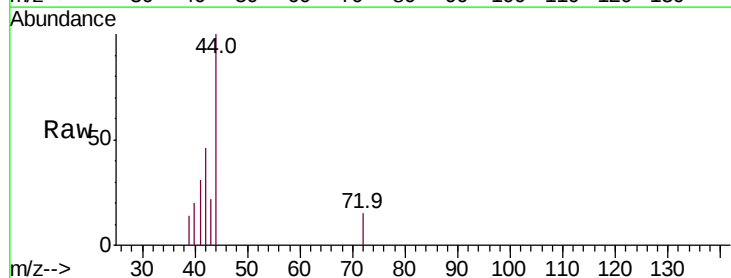
Tgt Ion: 42 Resp: 2925

Ion Ratio Lower Upper

42 100

72 20.2 25.7 38.5#

71 0.0 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

1500

1000

500

0

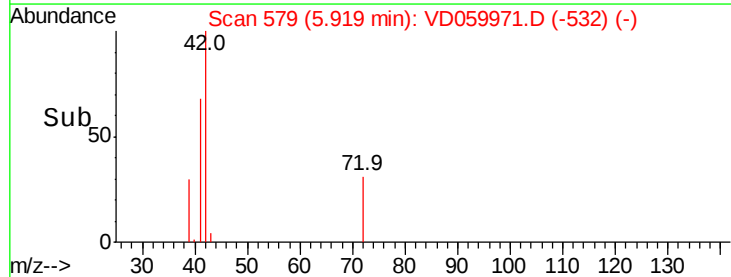
5.85

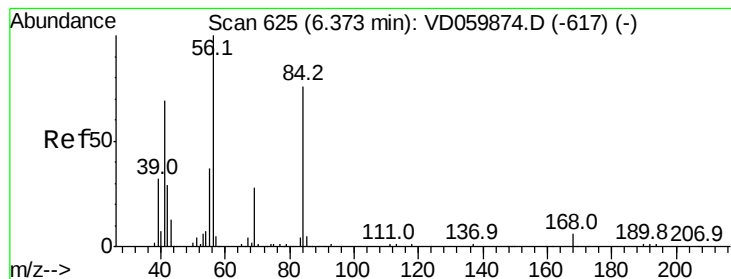
5.90

5.95

6.00

Time-->





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-D

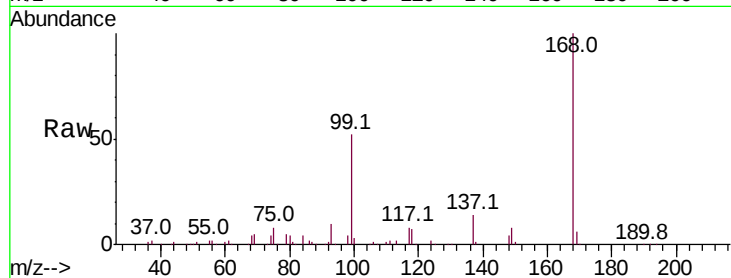
Tot Ion: 56 Resp: 21689

Ion Ratio Lower Upper

56 100

69 236.3 22.4 33.6#

84 196.3 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

25000

20000

15000

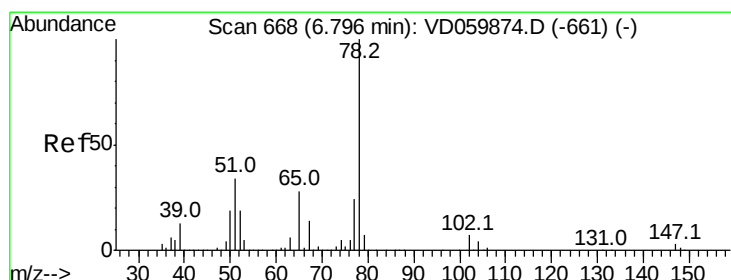
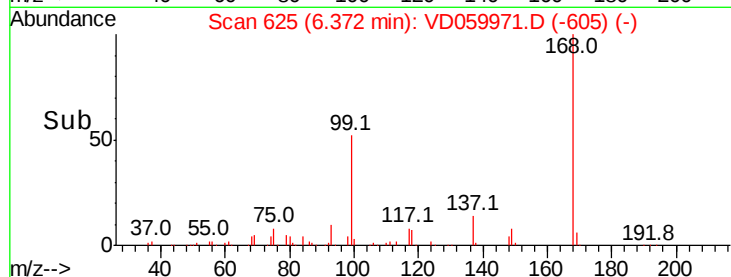
10000

5000

0

6.30 6.40 6.50

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059971.D

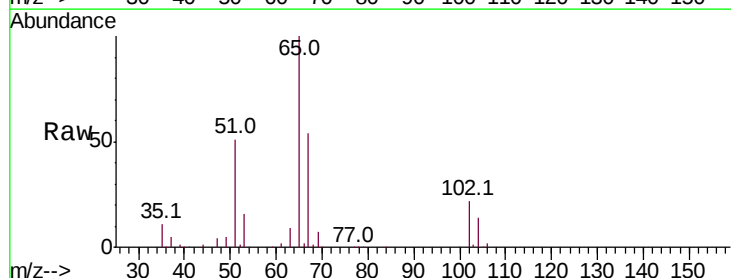
Acq: 5 Sep 2018 16:07

Tgt Ion: 65 Resp: 554703

Ion Ratio Lower Upper

65 100

67 53.9 0.0 103.8



Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

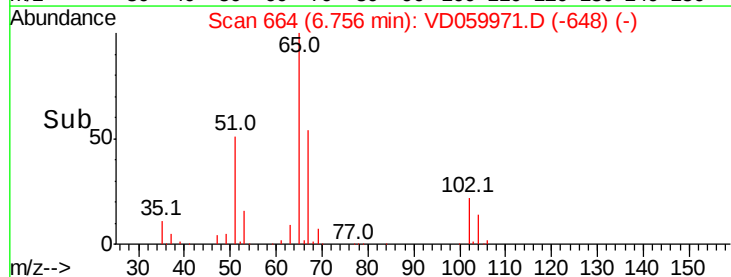
100000

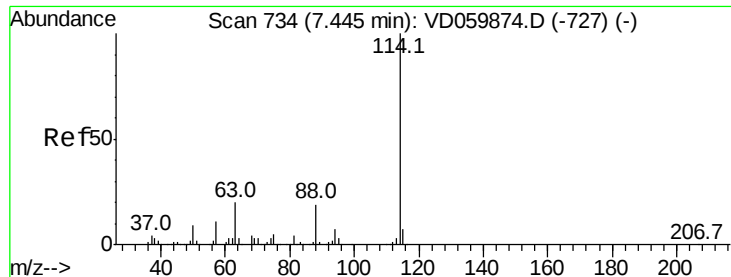
50000

0

6.60 6.70 6.80 6.90 7.00

Time-->

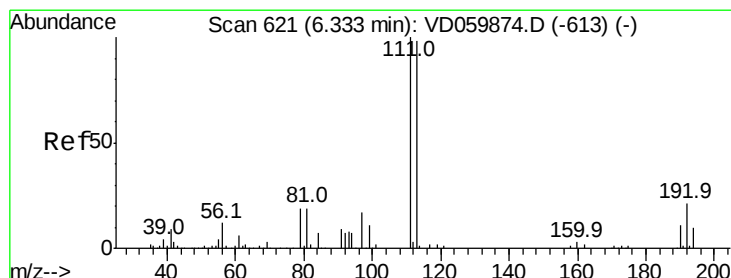
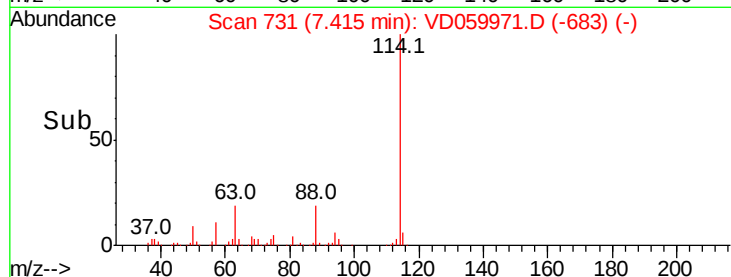
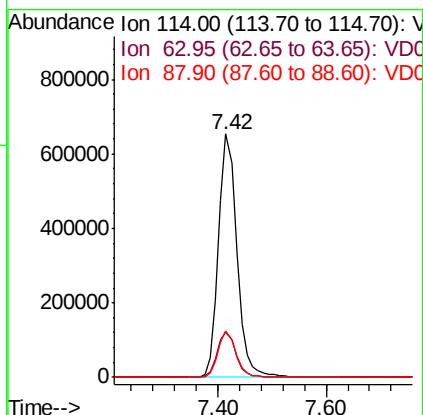
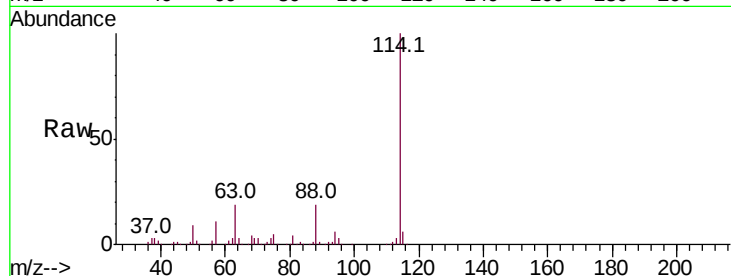




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.42 min Scan# 731
Delta R.T. -0.03 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

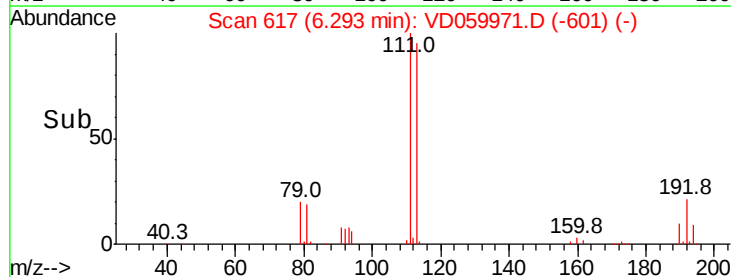
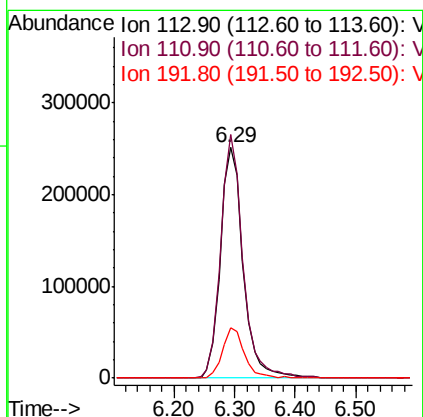
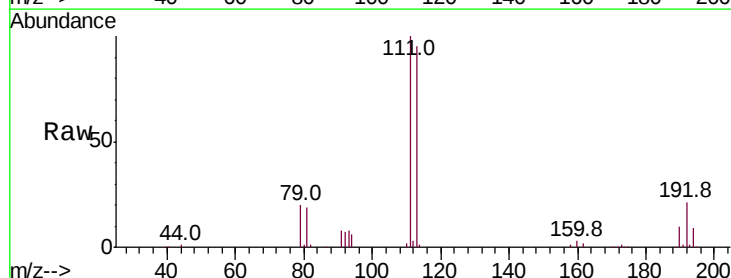
Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-D

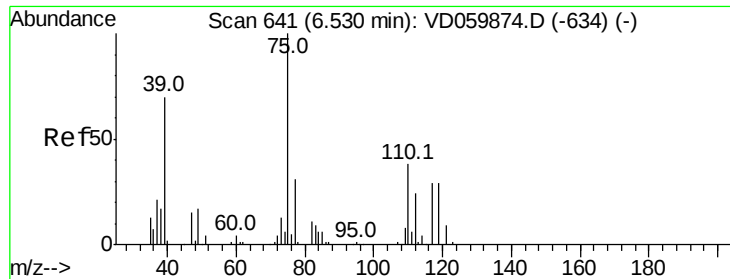
Tot Ion:114 Resp: 1535116
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.4
88 18.9 0.0 37.6



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.29 min Scan# 617
Delta R.T. -0.04 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

Tgt Ion:113 Resp: 658583
Ion Ratio Lower Upper
113 100
111 105.6 81.4 122.2
192 21.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.814 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.16 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

MSVOA_D

ClientSampleID :

AOC10-02-D

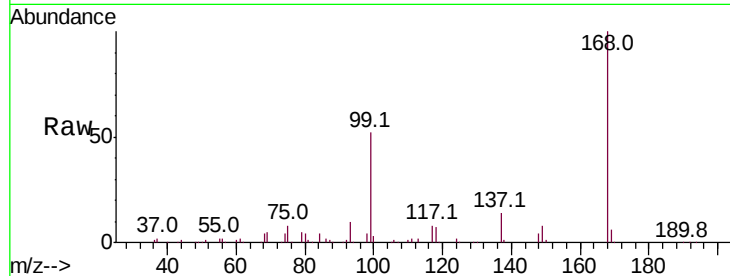
Tot Ion: 75 Resp: 80902

Ion Ratio Lower Upper

75 100

110 7.5 18.6 56.0#

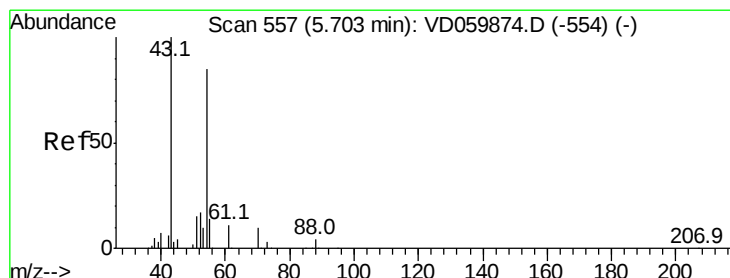
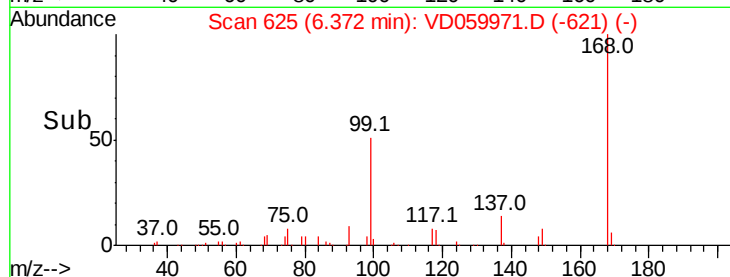
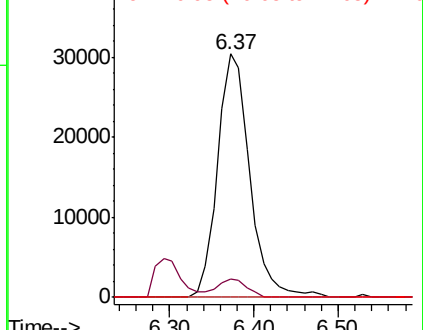
77 0.0 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.385 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.11 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

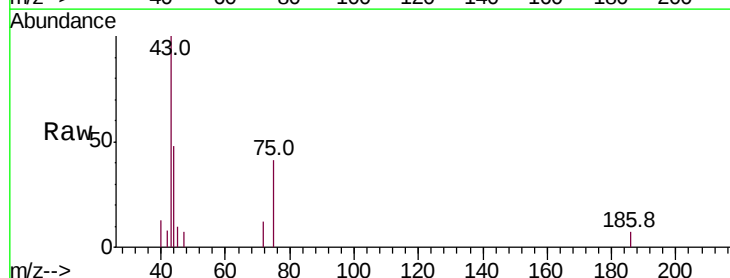
Tgt Ion: 43 Resp: 15002

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

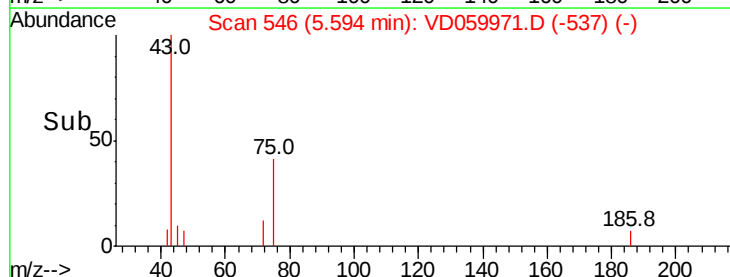
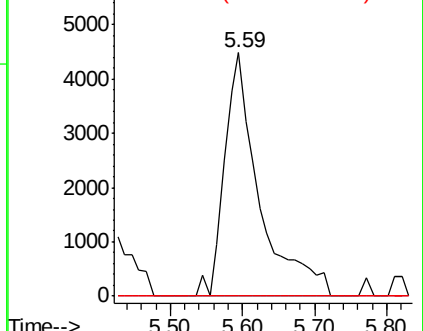
70 0.0 5.7 8.5#

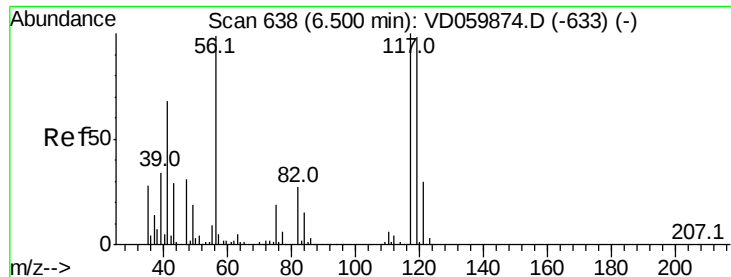


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.245 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.12 min

Lab File: VD059971.D

Acq: 5 Sep 2018 16:07

Instrument :

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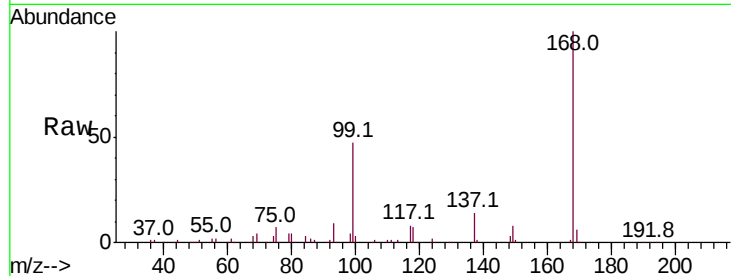
Tot Ion:117 Resp: 87697

Ion Ratio Lower Upper

117 100

119 3.9 77.2 115.8#

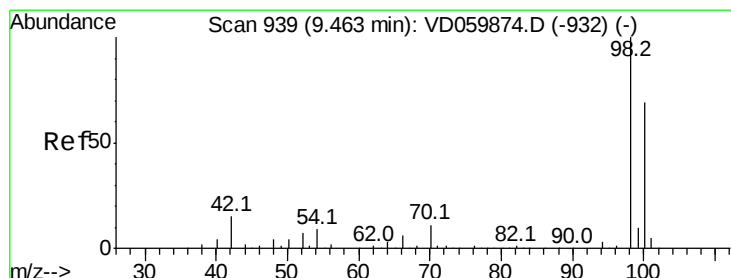
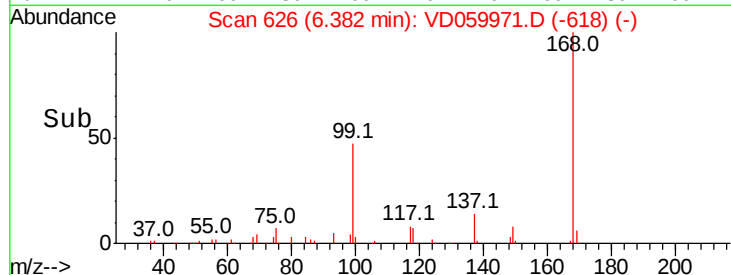
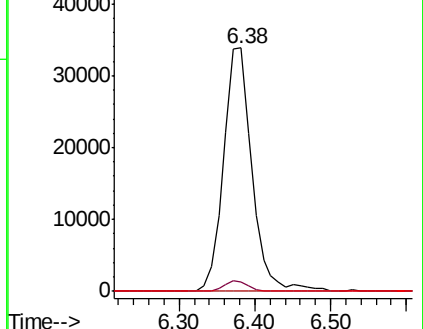
121 0.0 24.0 36.0#



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: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059971.D

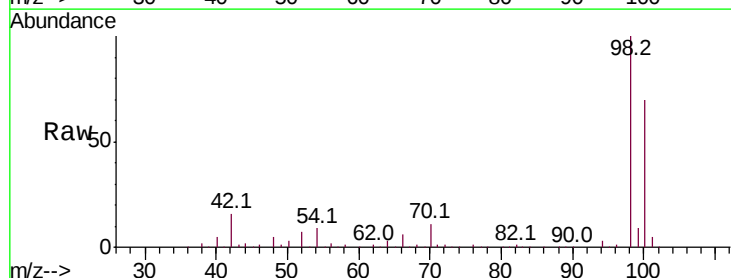
Acq: 5 Sep 2018 16:07

Tgt Ion: 98 Resp: 1861264

Ion Ratio Lower Upper

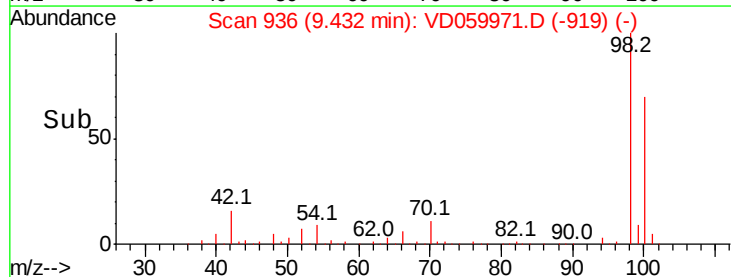
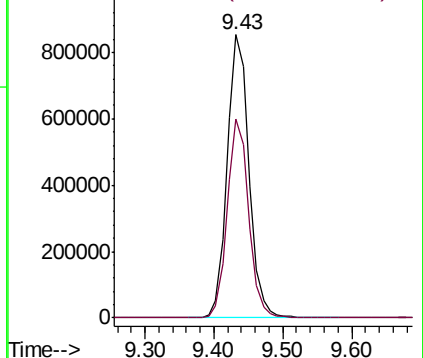
98 100

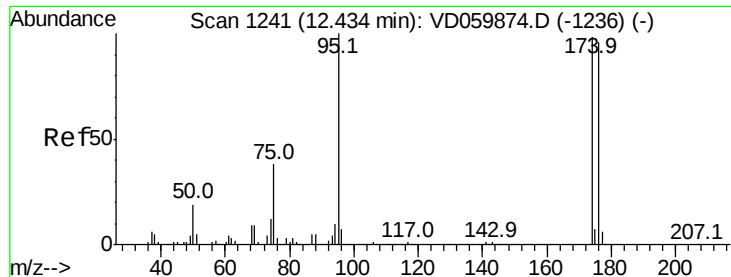
100 70.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

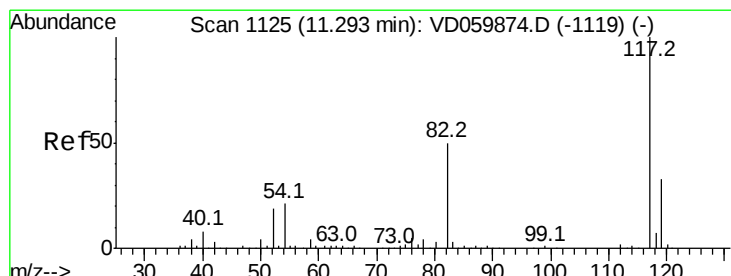
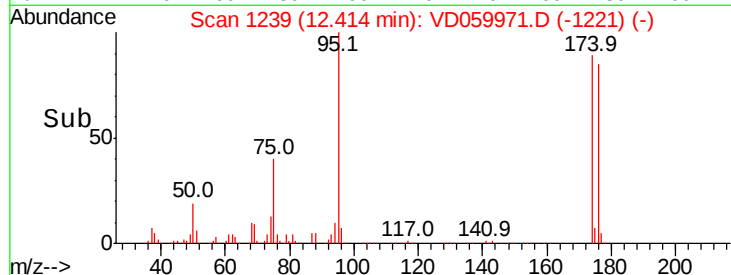
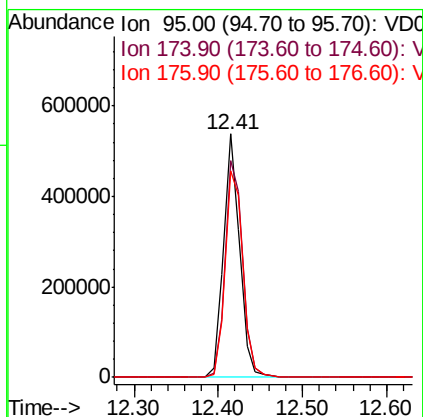
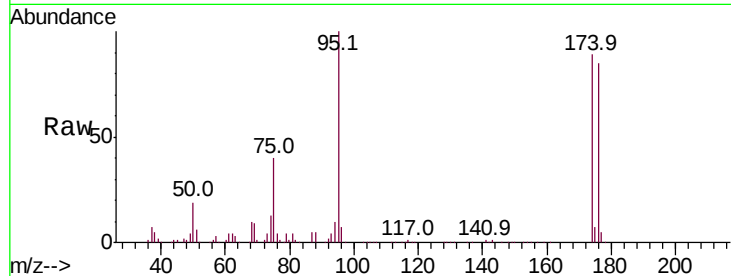




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

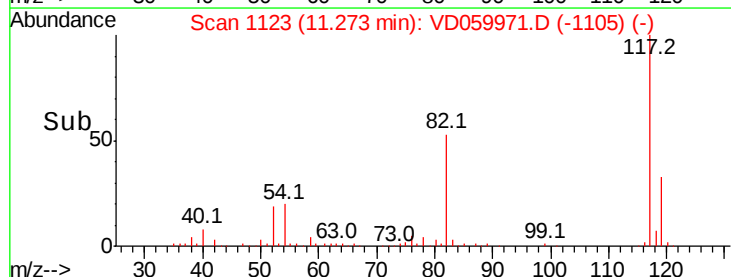
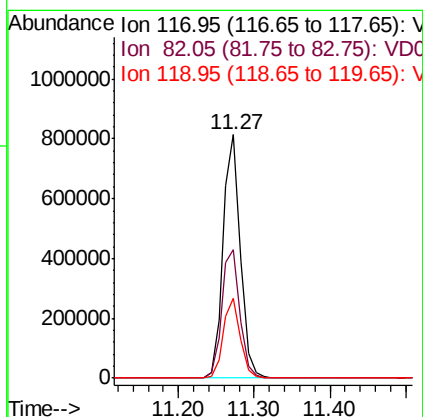
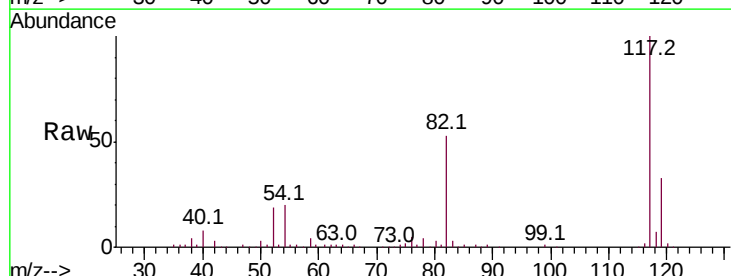
Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-D

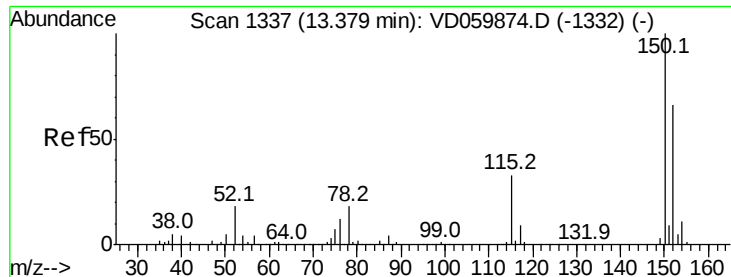
Tot Ion: 95 Resp: 713217
Ion Ratio Lower Upper
95 100
174 89.1 0.0 195.6
176 85.0 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

Tgt Ion: 117 Resp: 1290732
Ion Ratio Lower Upper
117 100
82 52.8 40.1 60.1
119 32.7 26.7 40.1



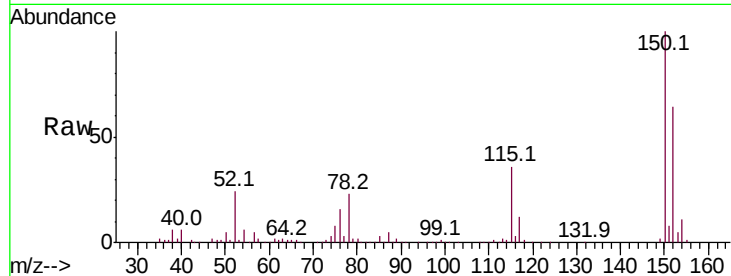


#72

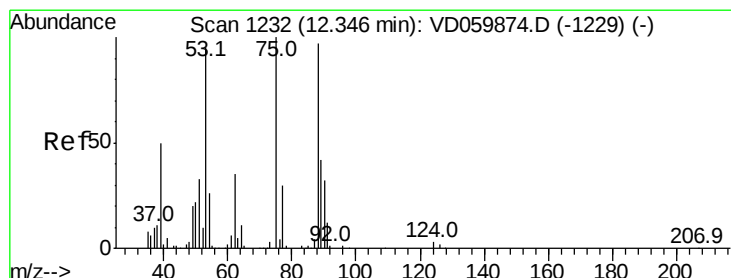
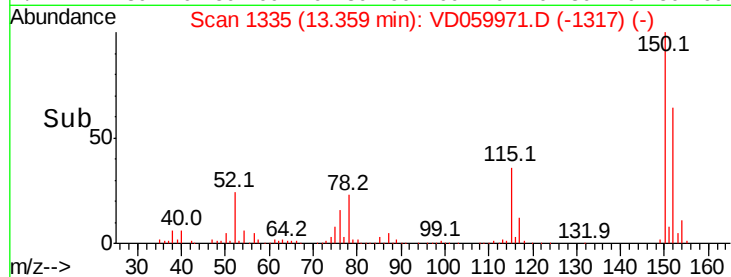
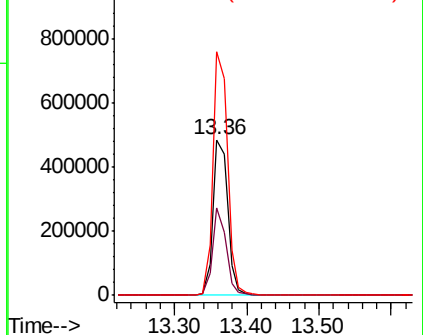
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-D

Tot Ion:152 Resp: 683240
Ion Ratio Lower Upper
152 100
115 56.1 25.7 77.0
150 156.2 0.0 310.2



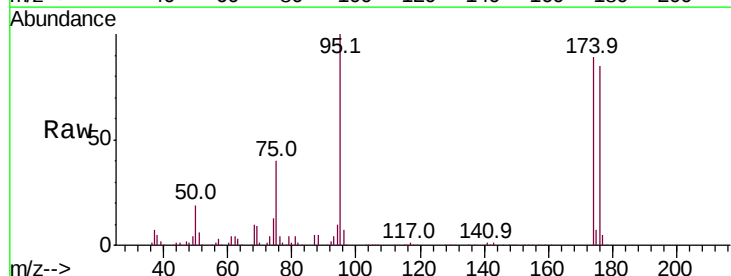
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 88.868 ug/l
RT: 12.41 min Scan# 1239
Delta R.T. 0.07 min
Lab File: VD059971.D
Acq: 5 Sep 2018 16:07

Tgt Ion: 75 Resp: 293550
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

