

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059973.D
 Acq On : 5 Sep 2018 17:05
 Operator : JC/SY
 Sample : J4739-01RE
 Misc : 6.65µl/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC2-02-ARE

Quant Time: Sep 05 18:01:35 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	1023499	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1439714	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1248530	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	640449	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	550772	63.85	ug/l	-0.03
Spiked Amount			Recovery	=	127.70%	
35) Dibromofluoromethane	6.30	113	649893	57.58	ug/l	-0.03
Spiked Amount			Recovery	=	115.16%	
50) Toluene-d8	9.44	98	1748861	55.83	ug/l	-0.02
Spiked Amount			Recovery	=	111.66%	
62) 4-Bromofluorobenzene	12.42	95	691885	54.38	ug/l	-0.01
Spiked Amount			Recovery	=	108.76%	

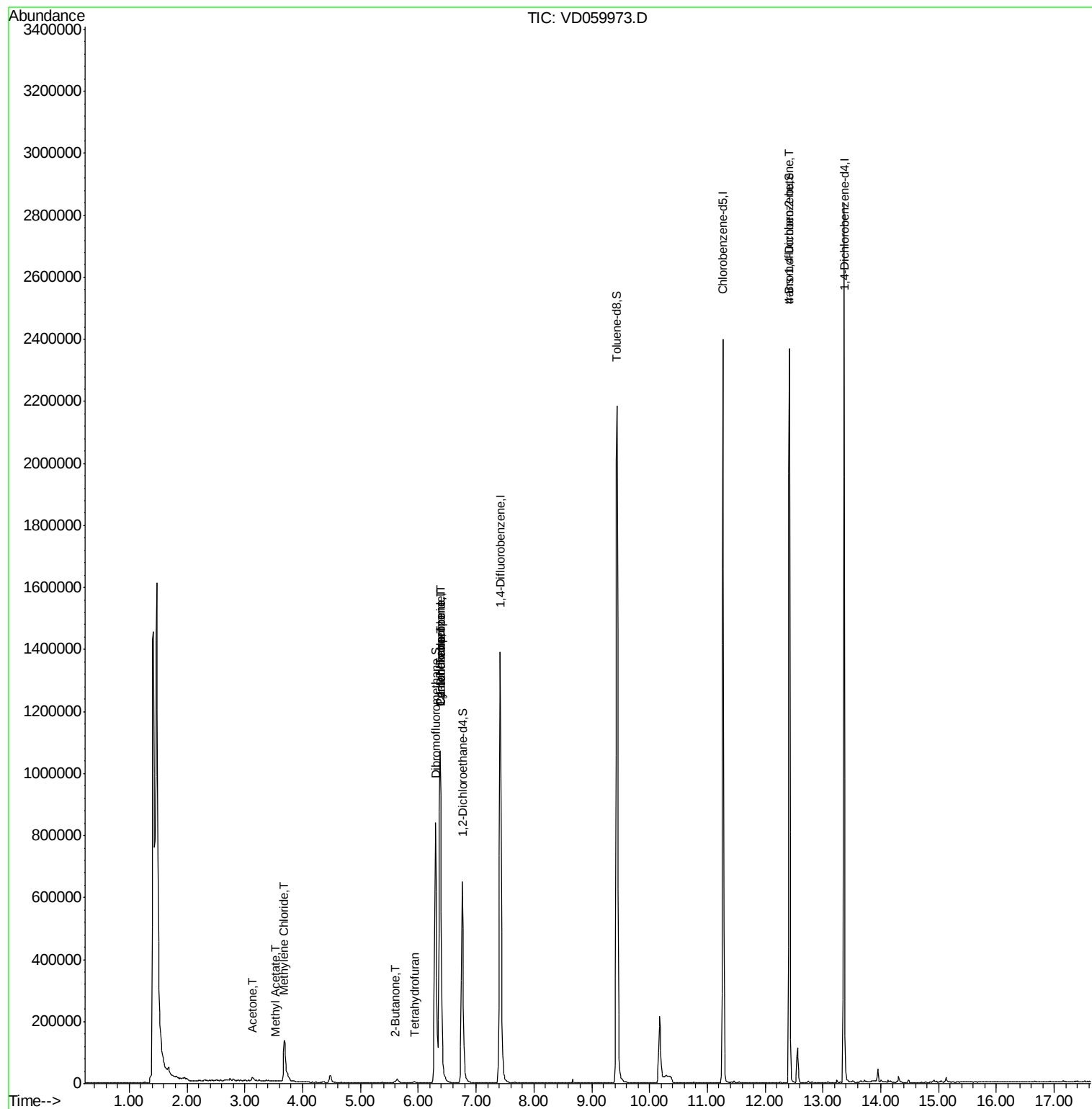
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.13	43	26099	16.606	ug/l #	89
18) Methyl Acetate	3.52	43	3784	1.153	ug/l #	66
20) Methylene Chloride	3.68	84	75895	3.796	ug/l	95
25) 2-Butanone	5.60	43	6184	1.329	ug/l #	89
29) Tetrahydrofuran	5.94	42	3548	1.601	ug/l #	61
31) Cyclohexane	6.38	56	19720	1.201	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	71263	5.460	ug/l #	46
38) Carbon Tetrachloride	6.38	117	79511	6.037	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.41	75	282024	91.083	ug/l #	12
89) n-Butylbenzene	13.64	91	713	Below Cal	#	75

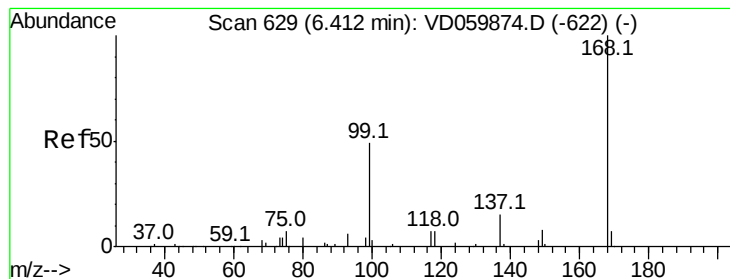
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090518\
Data File : VD059973.D
Acq On : 5 Sep 2018 17:05
Operator : JC/SY
Sample : J4739-01RE
Misc : 6.65g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-ARE

Quant Time: Sep 05 18:01:35 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: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

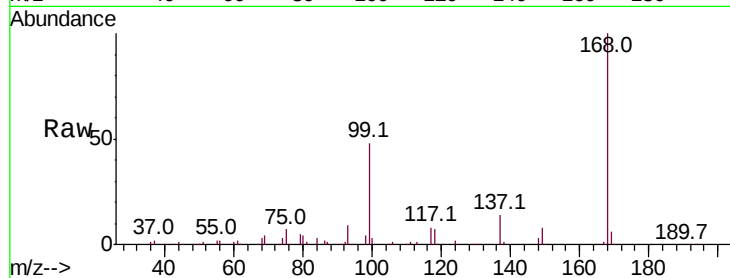
AOC2-02-ARE

Tot Ion:168 Resp: 1023499

Ion Ratio Lower Upper

168 100

99 48.2 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

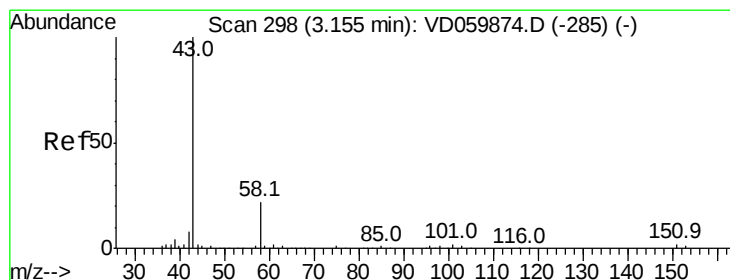
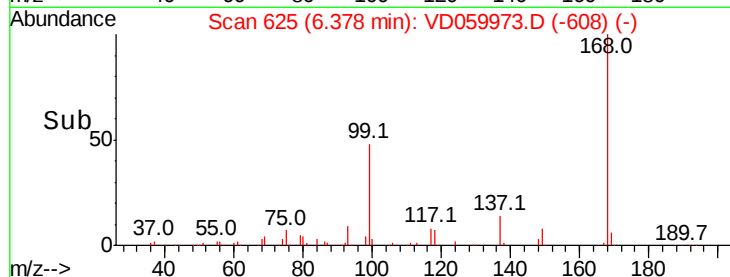
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 16.606 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059973.D

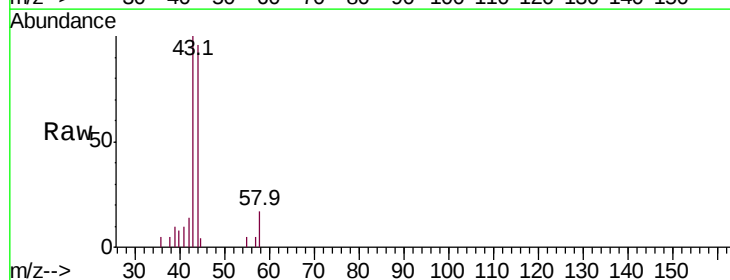
Acq: 5 Sep 2018 17:05

Tgt Ion: 43 Resp: 26099

Ion Ratio Lower Upper

43 100

58 16.6 17.6 26.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.13

8000

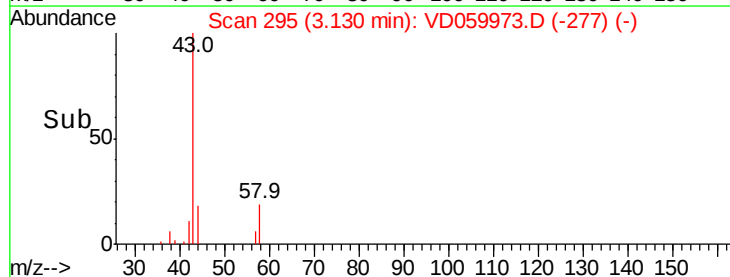
6000

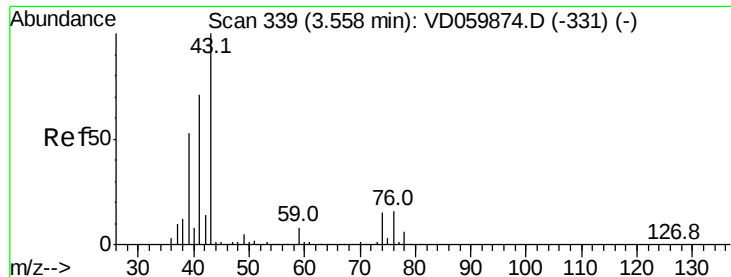
4000

2000

0

Time--> 3.10 3.20





#18

Methyl Acetate

Concen: 1.153 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

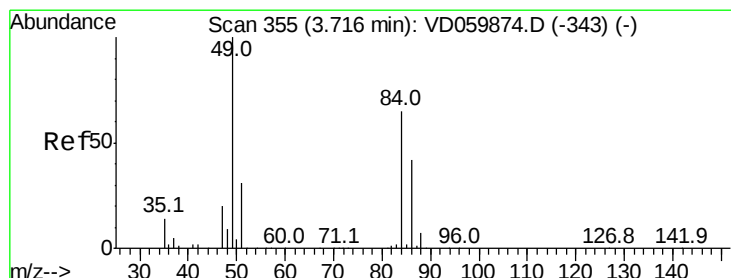
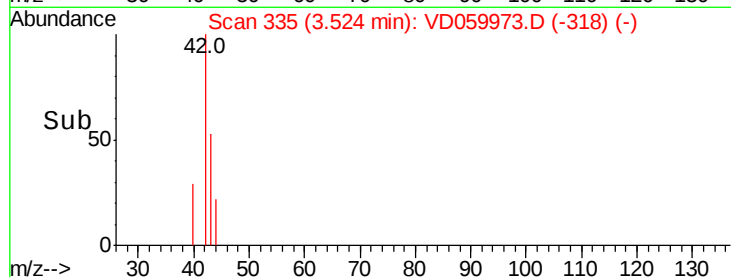
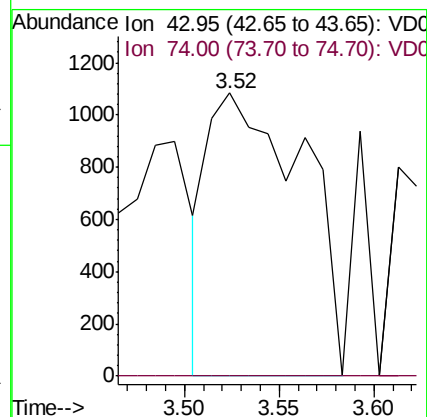
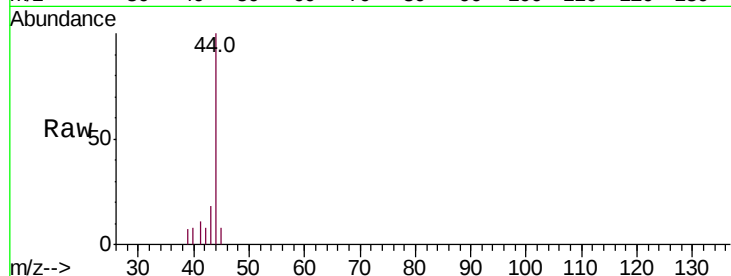
AOC2-02-ARE

Tot Ion: 43 Resp: 3784

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#



#20

Methylene Chloride

Concen: 3.796 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Tgt Ion: 84 Resp: 75895

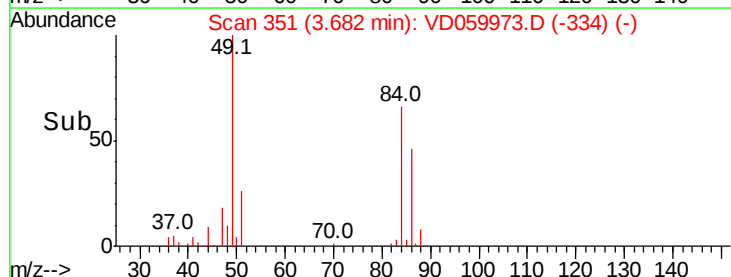
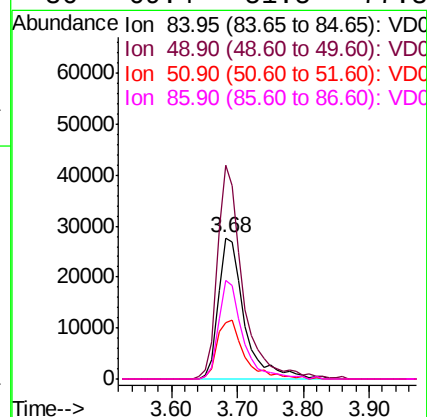
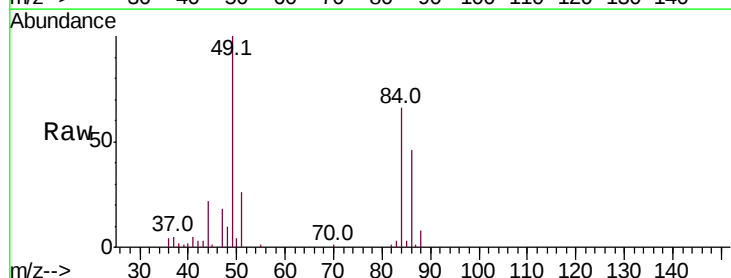
Ion Ratio Lower Upper

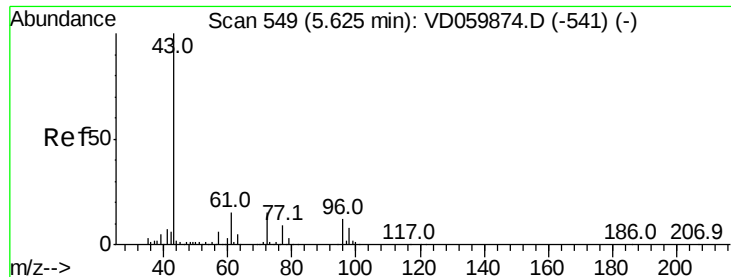
84 100

49 151.1 122.6 183.8

51 39.6 38.4 57.6

86 69.4 51.5 77.3





#25

2-Butanone

Concen: 1.329 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

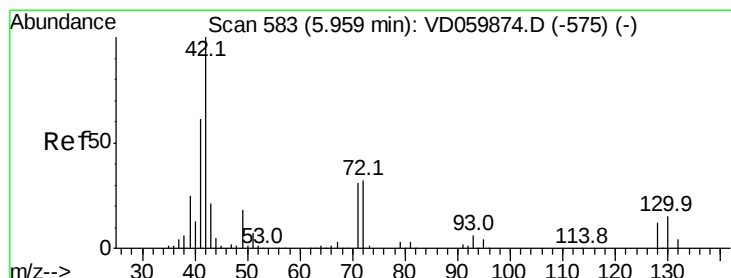
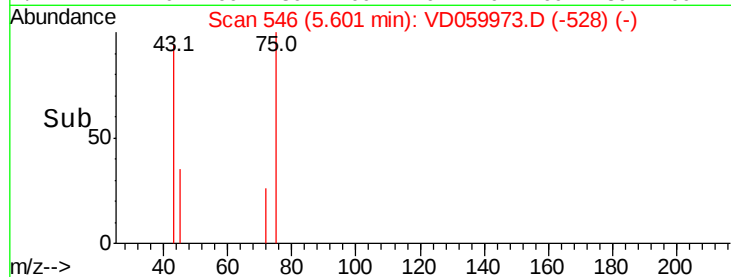
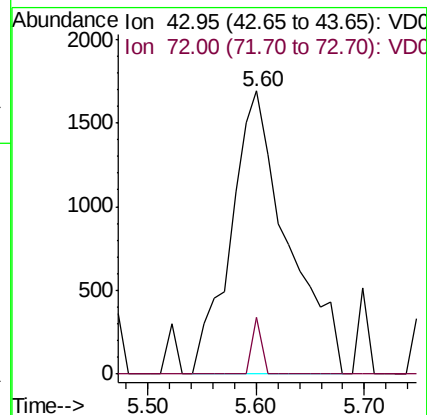
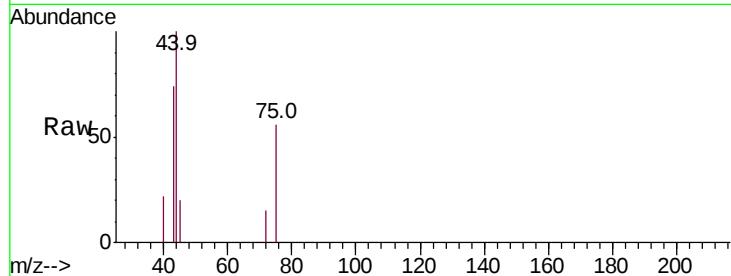
AOC2-02-ARE

Tot Ion: 43 Resp: 6184

Ion Ratio Lower Upper

43 100

72 20.1 12.3 18.5#



#29

Tetrahydrofuran

Concen: 1.601 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

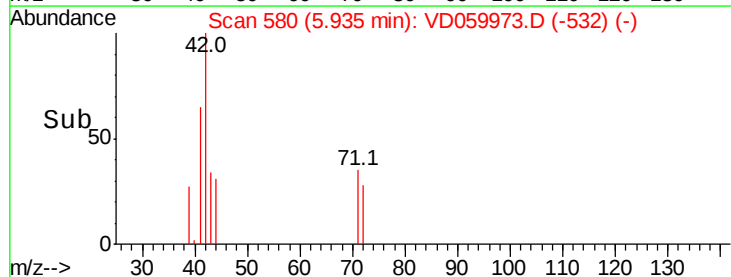
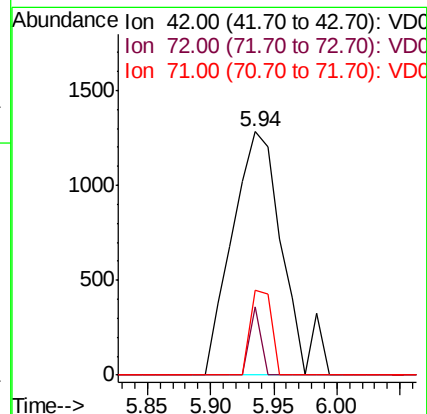
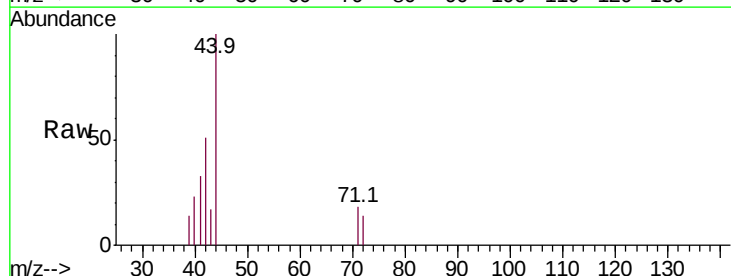
Tgt Ion: 42 Resp: 3548

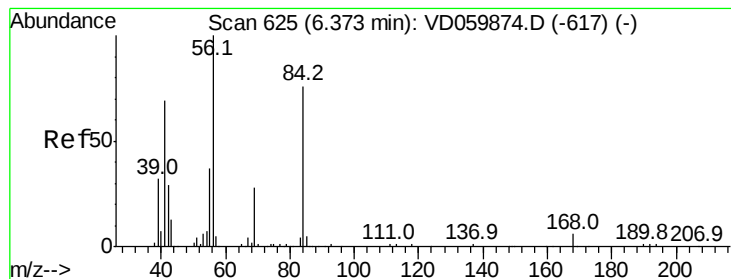
Ion Ratio Lower Upper

42 100

72 5.9 25.7 38.5#

71 14.6 25.3 37.9#





#31

Cyclohexane

Concen: 1.201 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-ARE

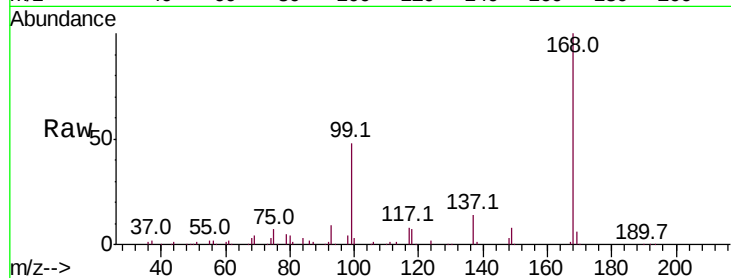
Tot Ion: 56 Resp: 19720

Ion Ratio Lower Upper

56 100

69 251.5 22.4 33.6#

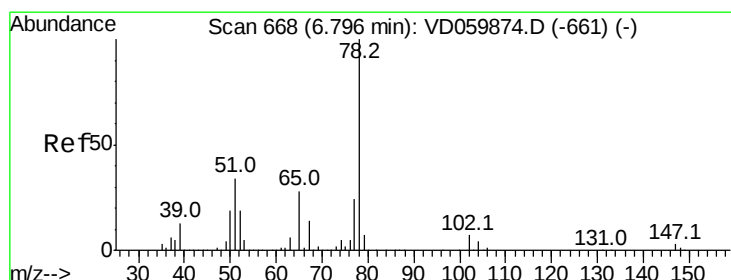
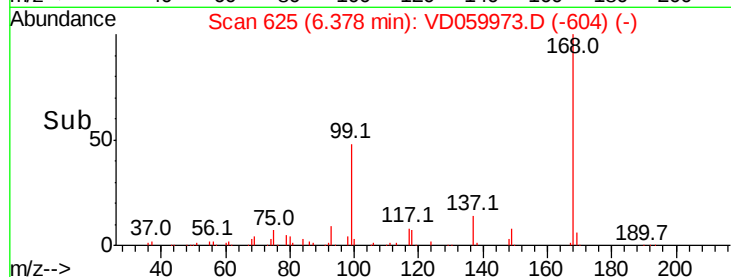
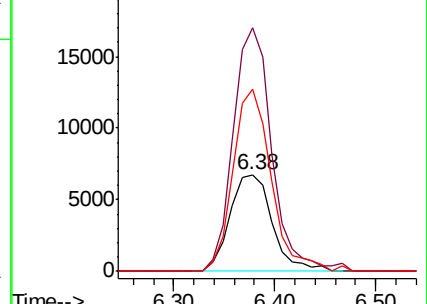
84 187.7 62.1 93.1#



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: VD059973.D

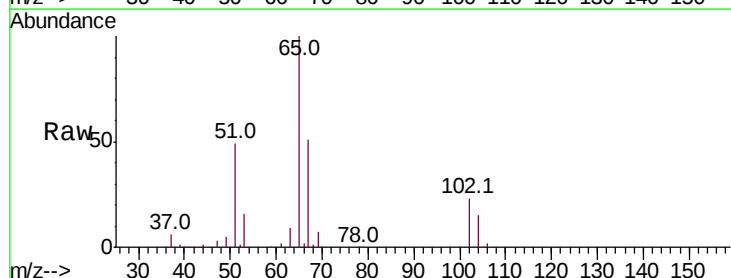
Acq: 5 Sep 2018 17:05

Tgt Ion: 65 Resp: 550772

Ion Ratio Lower Upper

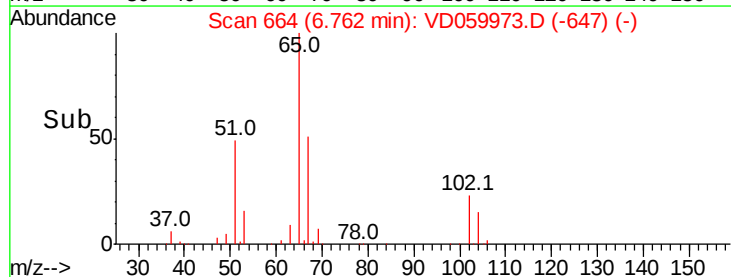
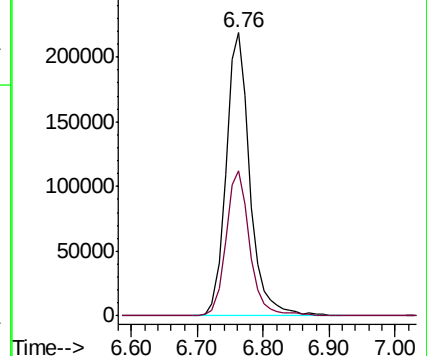
65 100

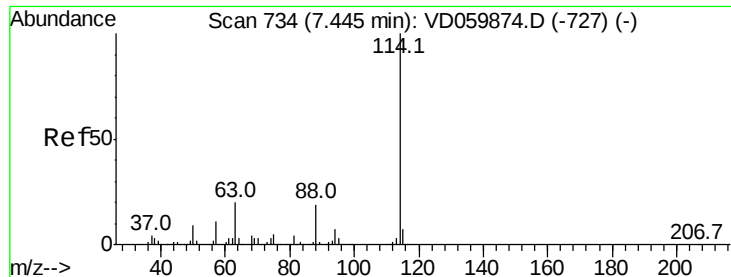
67 51.4 0.0 103.8



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: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-ARE

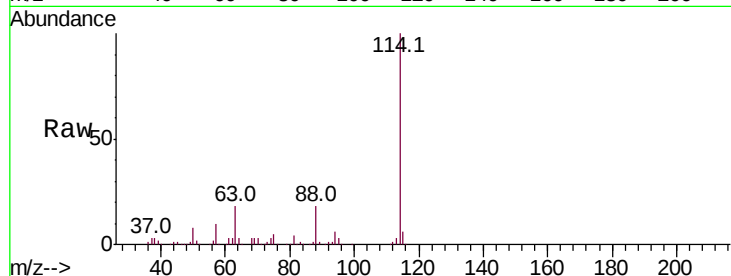
Tot Ion:114 Resp: 1439714

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

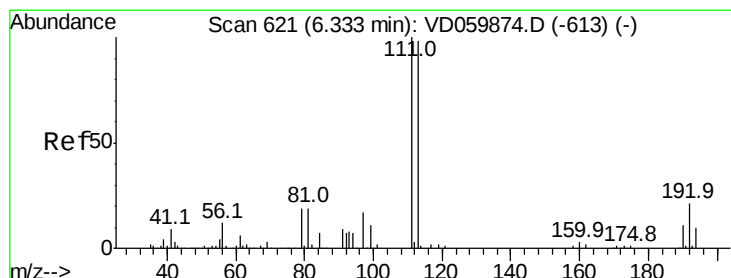
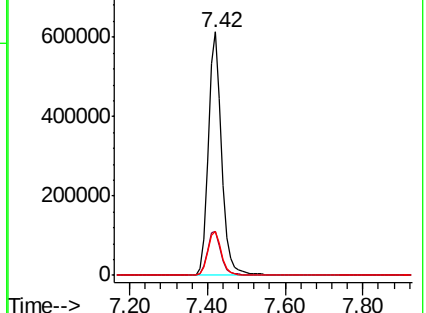
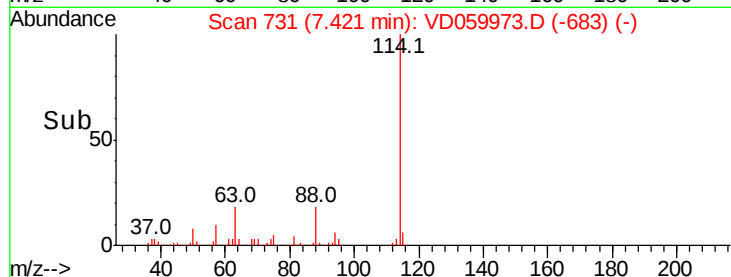
88 18.3 0.0 37.6



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# 617

Delta R.T. -0.03 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

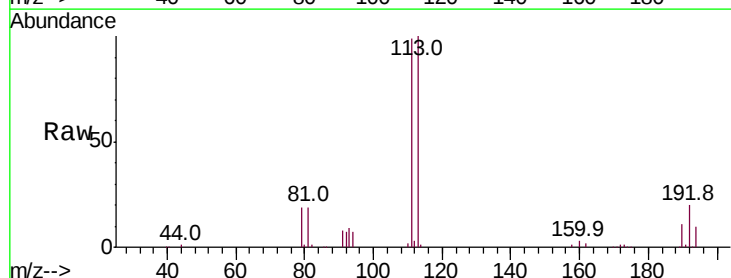
Tgt Ion:113 Resp: 649893

Ion Ratio Lower Upper

113 100

111 98.7 81.4 122.2

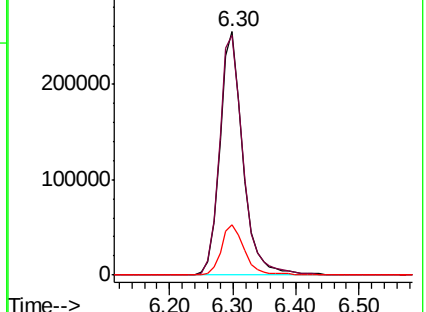
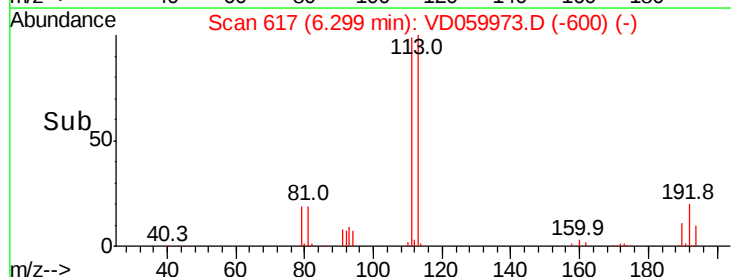
192 20.5 17.0 25.6

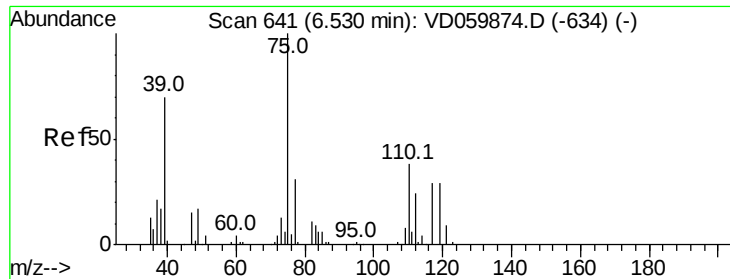


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

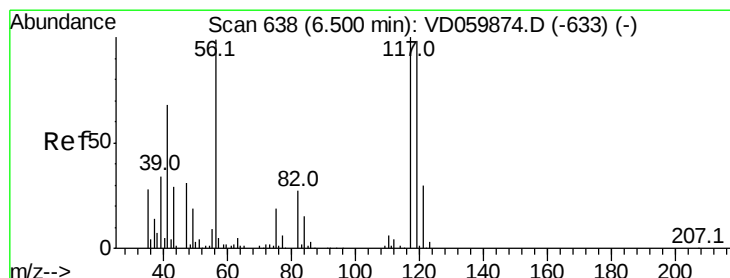
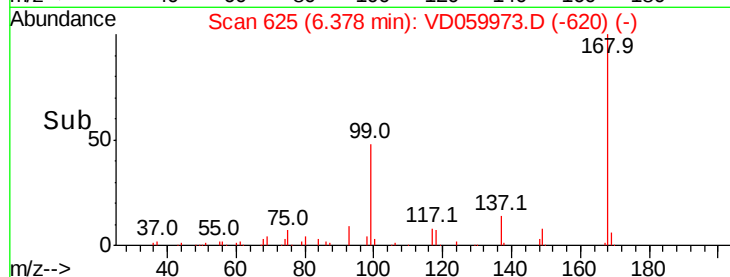
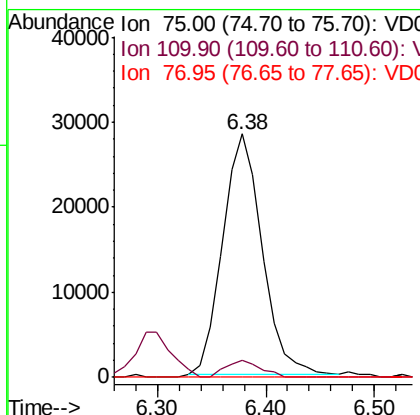
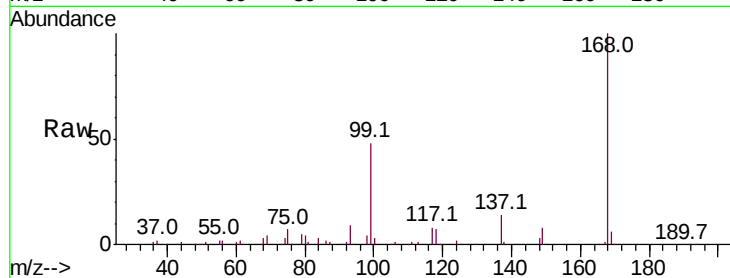




#36
 1,1-Dichloropropene
 Concen: 5.460 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.15 min
 Lab File: VD059973.D
 Acq: 5 Sep 2018 17:05

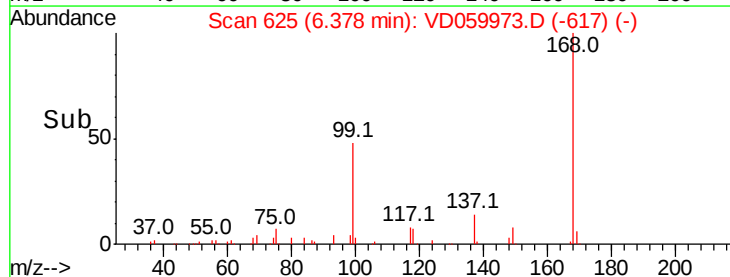
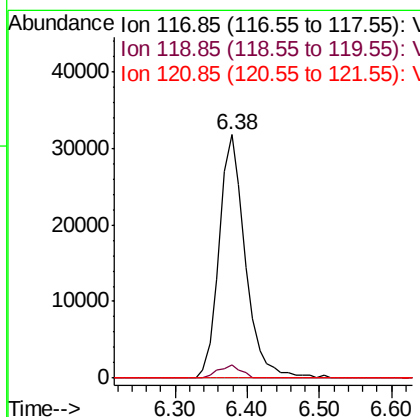
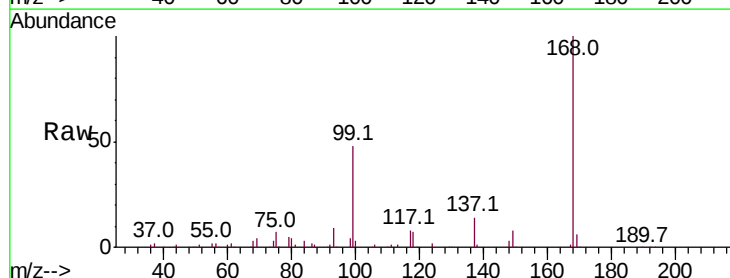
Instrument :
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 AOC2-02-ARE

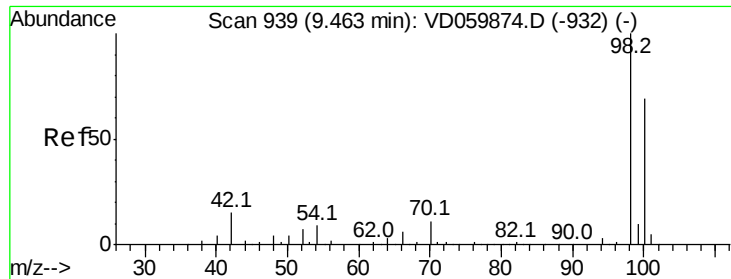
Tot Ion: 75 Resp: 71263
 Ion Ratio Lower Upper
 75 100
 110 6.9 18.6 56.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.037 ug/l
 RT: 6.38 min Scan# 625
 Delta R.T. -0.12 min
 Lab File: VD059973.D
 Acq: 5 Sep 2018 17:05

Tgt Ion: 117 Resp: 79511
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.2 115.8#
 121 0.0 24.0 36.0#

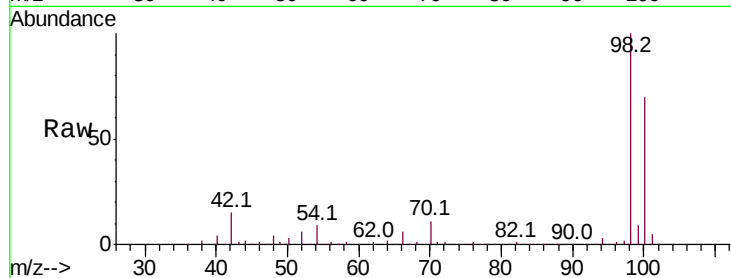




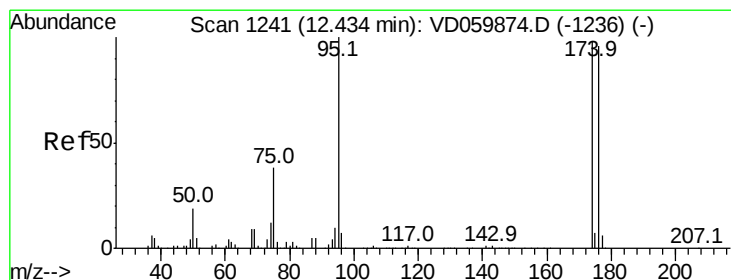
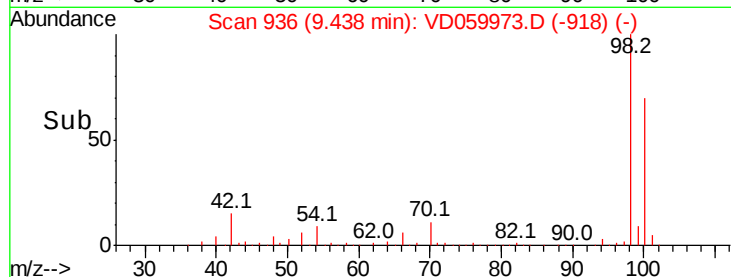
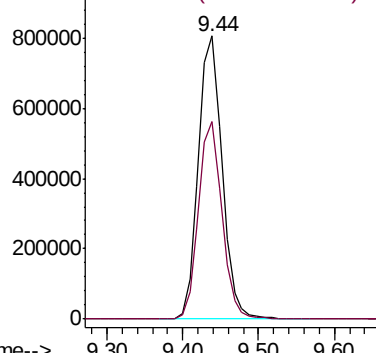
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059973.D
Acq: 5 Sep 2018 17:05

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-ARE

Tot Ion: 98 Resp: 1748861
Ion Ratio Lower Upper
98 100
100 69.9 55.8 83.6

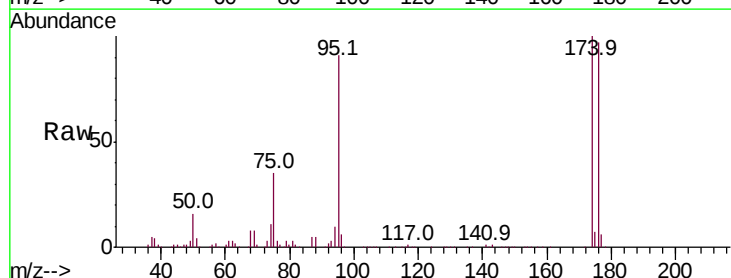


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

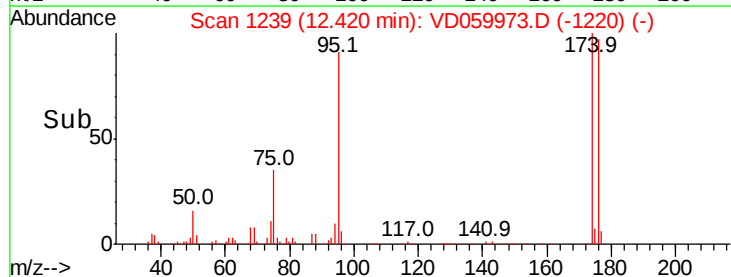
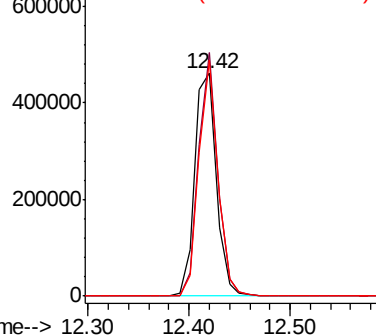


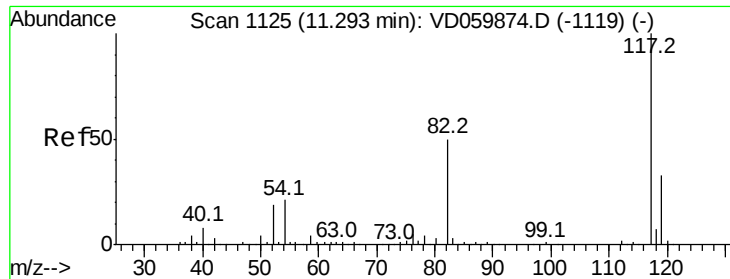
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059973.D
Acq: 5 Sep 2018 17:05

Tgt Ion: 95 Resp: 691885
Ion Ratio Lower Upper
95 100
174 109.4 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: 50.000 ug/l

RT: 11.27 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-ARE

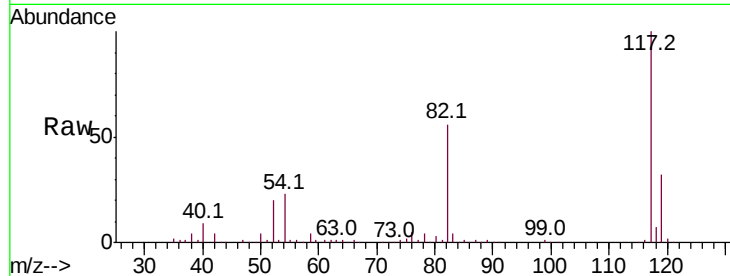
Tot Ion:117 Resp: 1248530

Ion Ratio Lower Upper

117 100

82 55.6 40.1 60.1

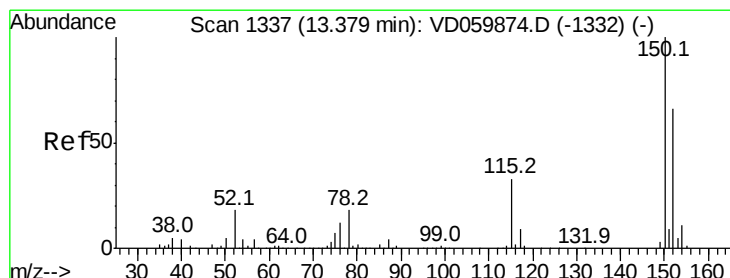
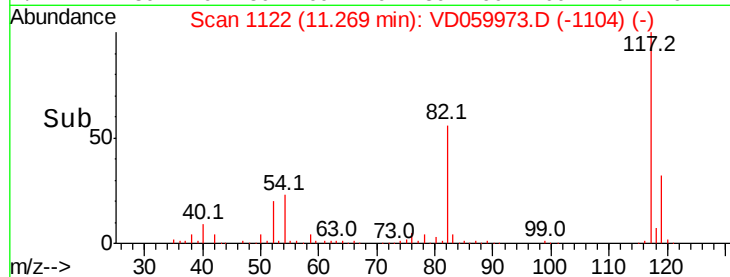
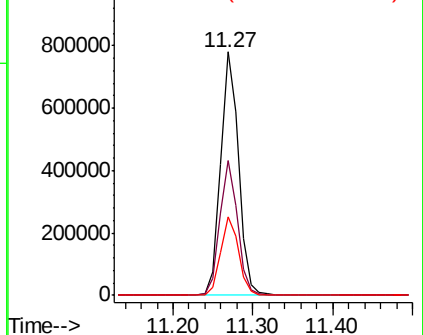
119 32.4 26.7 40.1



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: VD059973.D

Acq: 5 Sep 2018 17:05

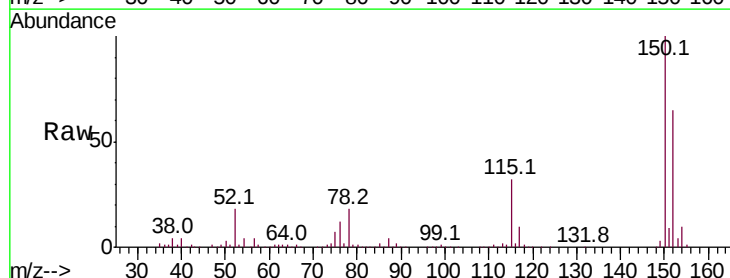
Tgt Ion:152 Resp: 640449

Ion Ratio Lower Upper

152 100

115 49.8 25.7 77.0

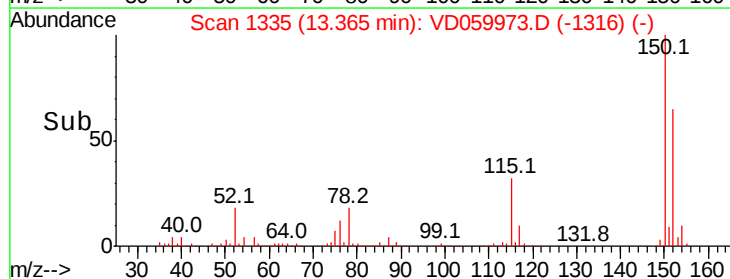
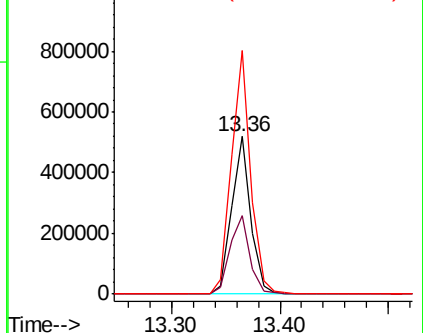
150 154.4 0.0 310.2

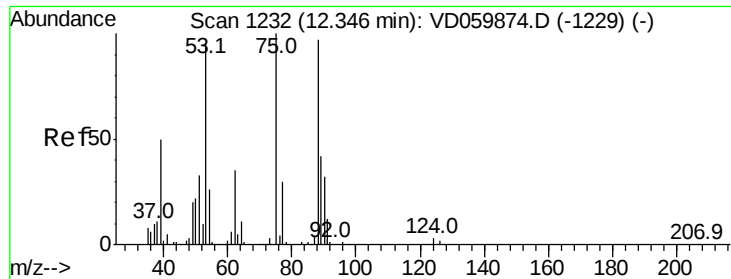


Abundance Ion 151.90 (151.60 to 152.60): V

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: 91.083 ug/l

RT: 12.41 min Scan# 1238

Delta R.T. 0.06 min

Lab File: VD059973.D

Acq: 5 Sep 2018 17:05

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-ARE

Tot Ion: 75 Resp: 282024

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

