

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059969.D
 Acq On : 5 Sep 2018 15:10
 Operator : JC/SY
 Sample : J4741-10
 Misc : 6.30g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC10-02-B

Quant Time: Sep 05 16:07:59 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	928387	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1335059	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	981838	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	365935	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	503215	64.31	ug/l	-0.03
Spiked Amount			Recovery	=	128.62%	
35) Dibromofluoromethane	6.30	113	572300	54.68	ug/l	-0.03
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	9.44	98	1461152	50.30	ug/l	-0.02
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.42	95	469266	39.77	ug/l	-0.01
Spiked Amount			Recovery	=	79.54%	

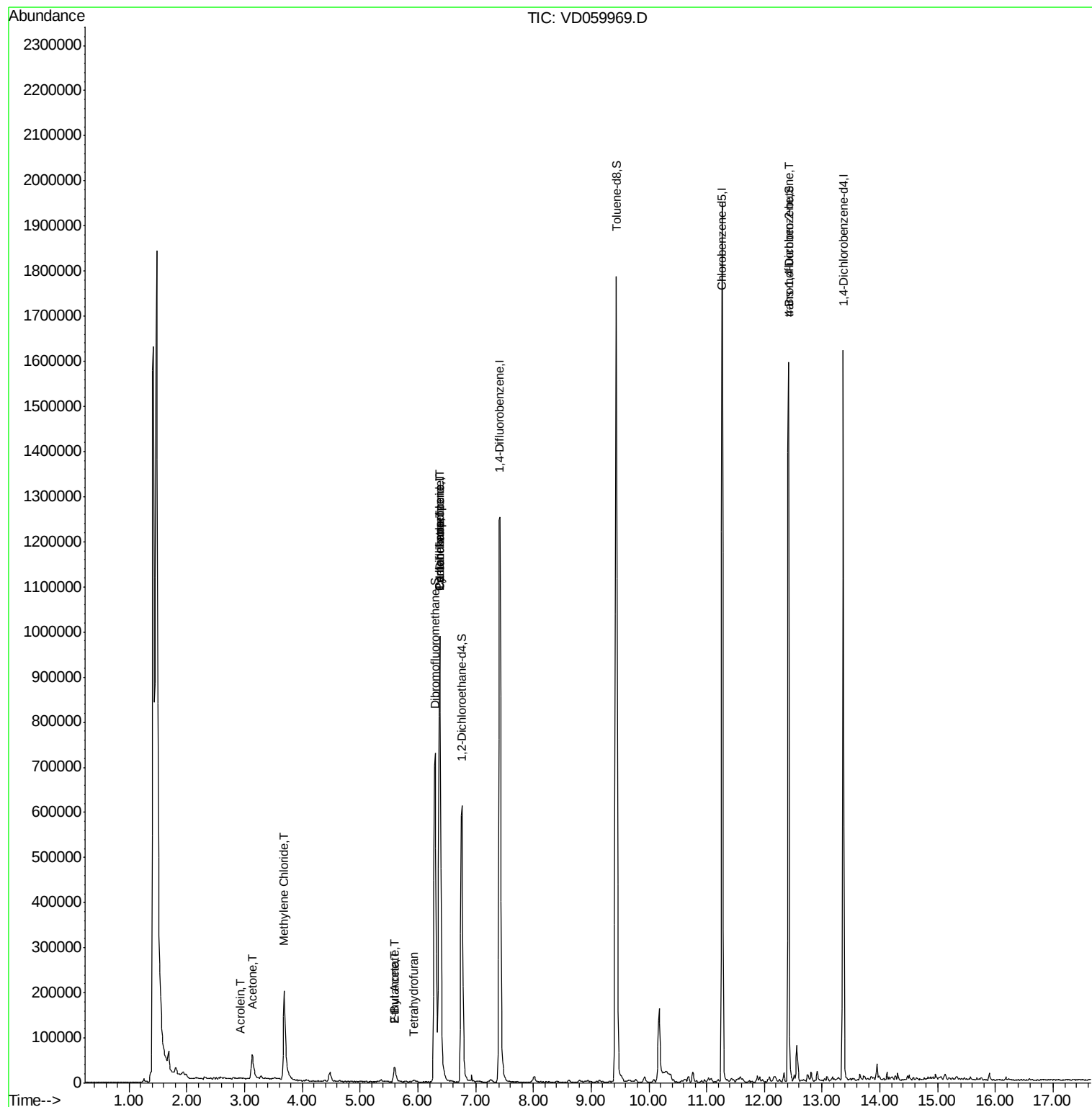
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.94	56	928	3.584	ug/l #	59
16) Acetone	3.13	43	112227	78.722	ug/l	99
20) Methylene Chloride	3.68	84	112690	8.775	ug/l	98
25) 2-Butanone	5.59	43	65910	15.610	ug/l #	92
29) Tetrahydrofuran	5.93	42	3297	1.640	ug/l #	43
31) Cyclohexane	6.38	56	21907	1.470	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	70196	5.800	ug/l #	46
37) Ethyl Acetate	5.59	43	65912	6.999	ug/l #	71
38) Carbon Tetrachloride	6.38	117	75394	6.173	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	196634	111.145	ug/l #	12
89) n-Butylbenzene	13.64	91	1493	Below Cal	#	83

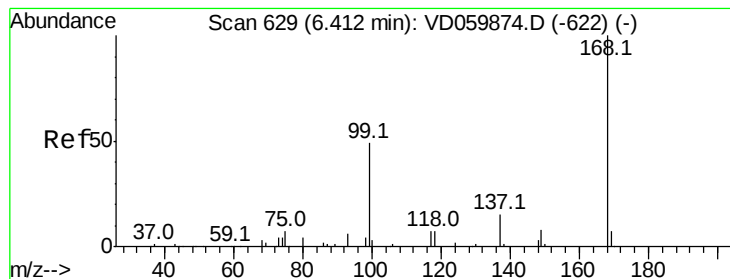
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 625

Delta R.T. -0.03 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

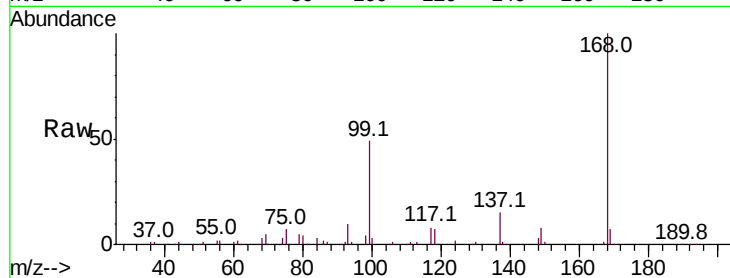
AOC10-02-B

Tot Ion:168 Resp: 928387

Ion Ratio Lower Upper

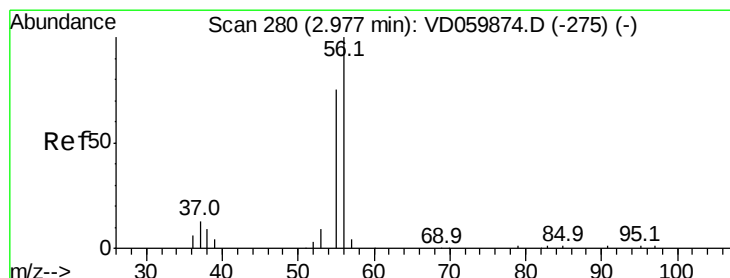
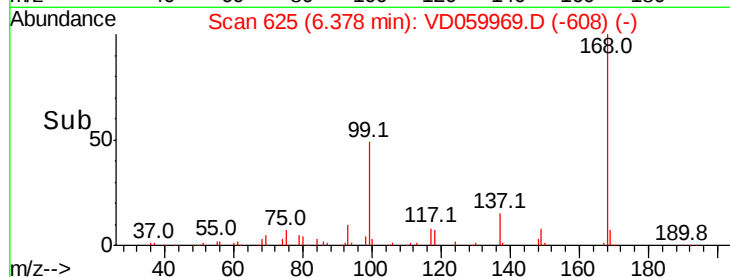
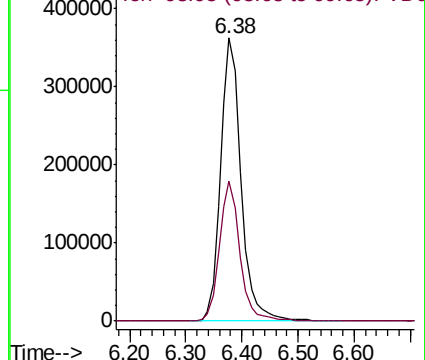
168 100

99 49.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 3.584 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.03 min

Lab File: VD059969.D

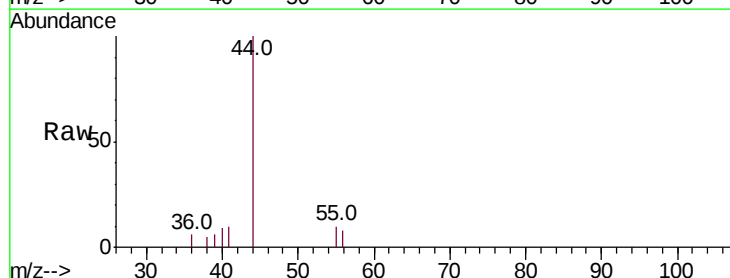
Acq: 5 Sep 2018 15:10

Tgt Ion: 56 Resp: 928

Ion Ratio Lower Upper

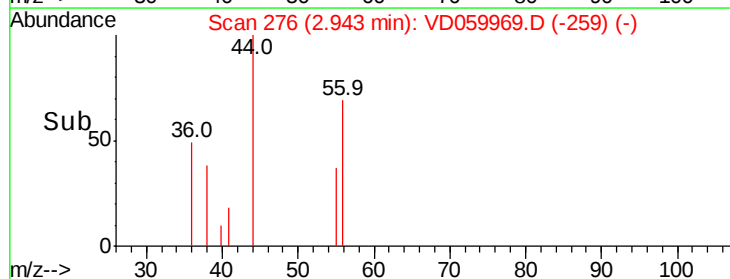
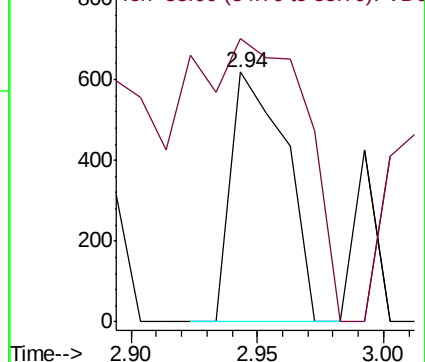
56 100

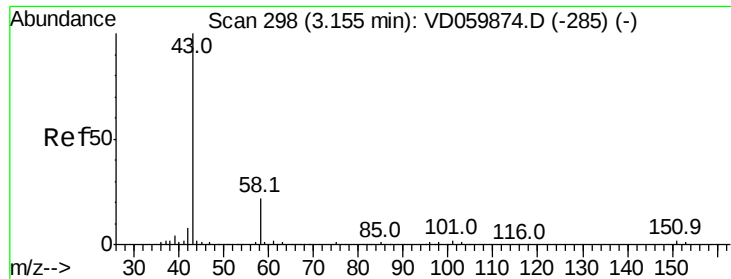
55 113.2 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 78.722 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

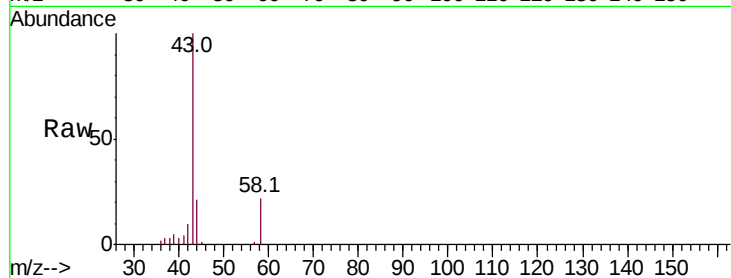
AOC10-02-B

Tot Ion: 43 Resp: 112227

Ion Ratio Lower Upper

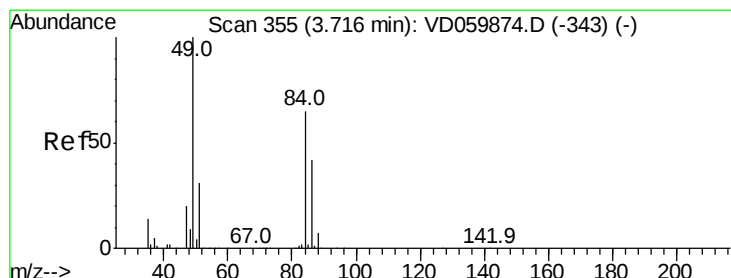
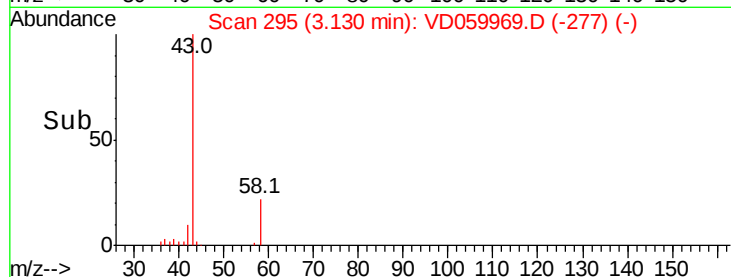
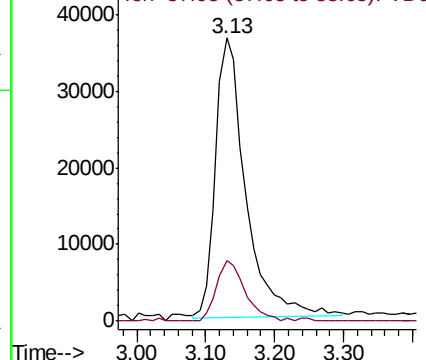
43 100

58 21.6 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.775 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.03 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Tgt Ion: 84 Resp: 112690

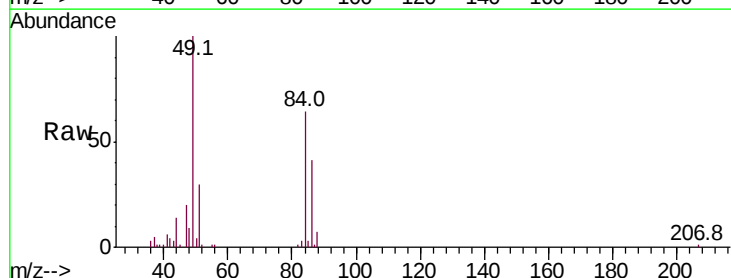
Ion Ratio Lower Upper

84 100

49 155.8 122.6 183.8

51 46.9 38.4 57.6

86 64.6 51.5 77.3

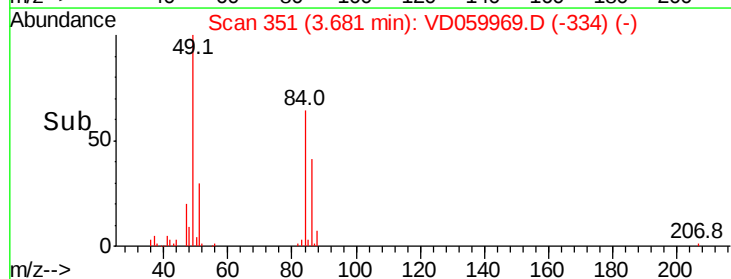
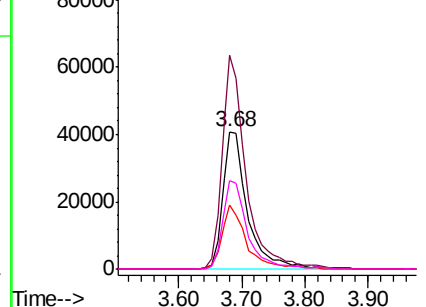


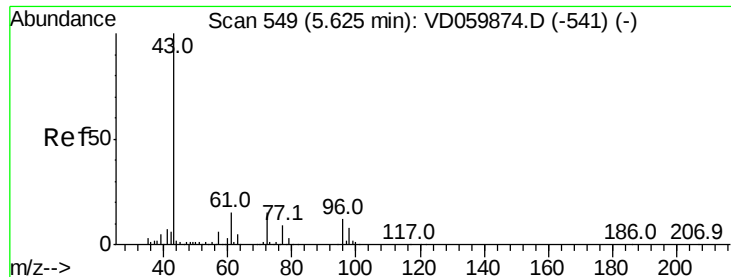
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 15.610 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

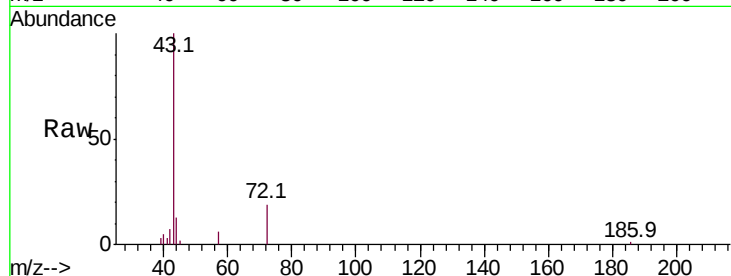
AOC10-02-B

Tot Ion: 43 Resp: 65910

Ion Ratio Lower Upper

43 100

72 18.8 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

25000

20000

15000

10000

5000

0

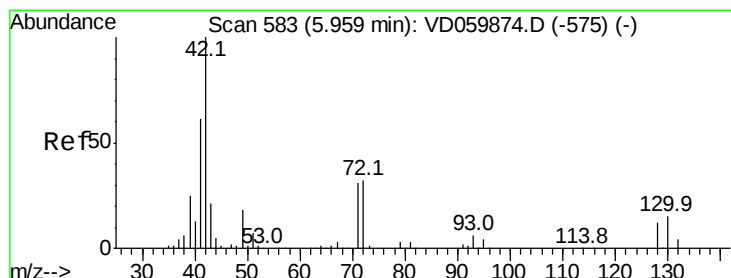
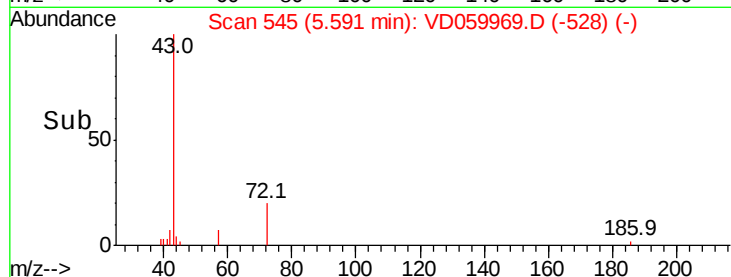
Time-->

5.50

5.60

5.70

5.80



#29

Tetrahydrofuran

Concen: 1.640 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

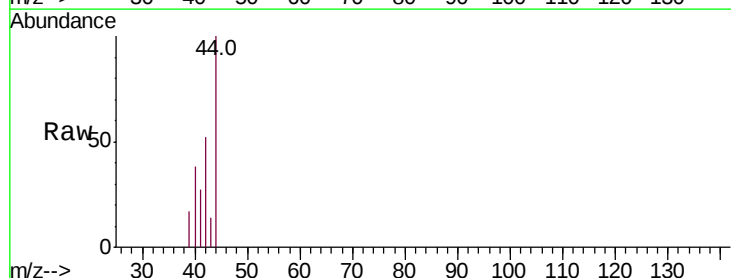
Tgt Ion: 42 Resp: 3297

Ion Ratio Lower Upper

42 100

72 0.0 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

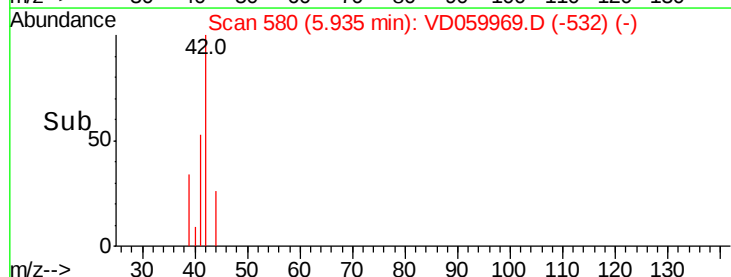
Time-->

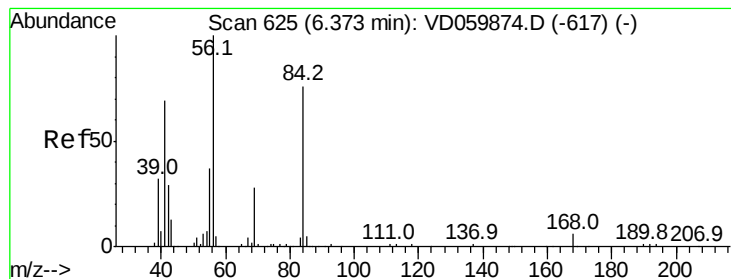
5.85

5.90

5.95

6.00





#31

Cyclohexane

Concen: 1.470 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-B

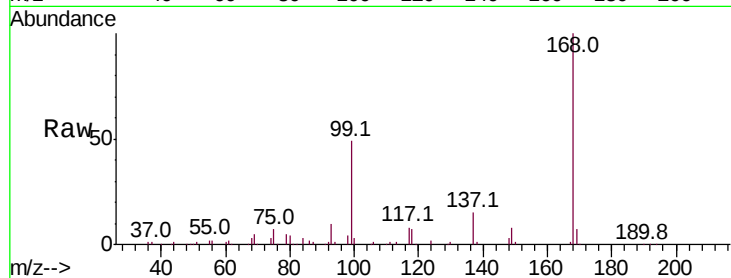
Tot Ion: 56 Resp: 21907

Ion Ratio Lower Upper

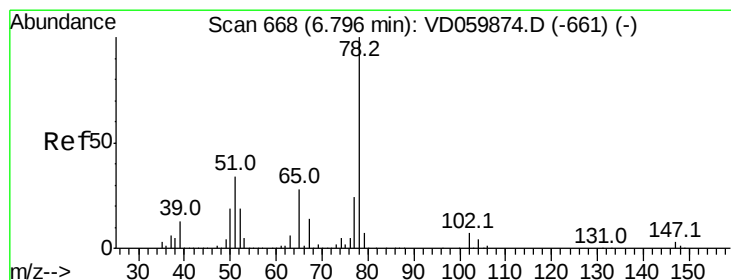
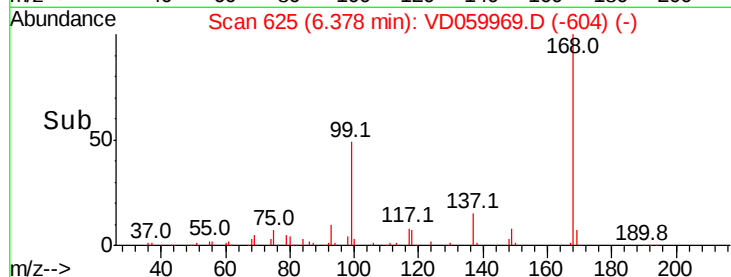
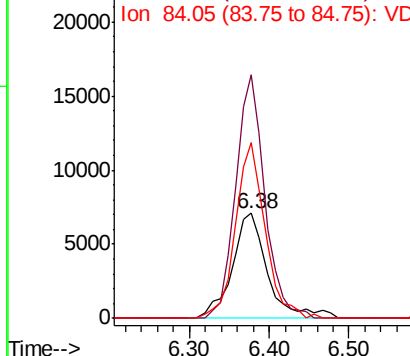
56 100

69 231.8 22.4 33.6#

84 167.5 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: VD059969.D

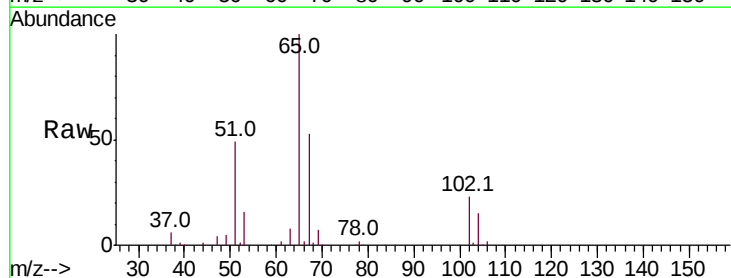
Acq: 5 Sep 2018 15:10

Tgt Ion: 65 Resp: 503215

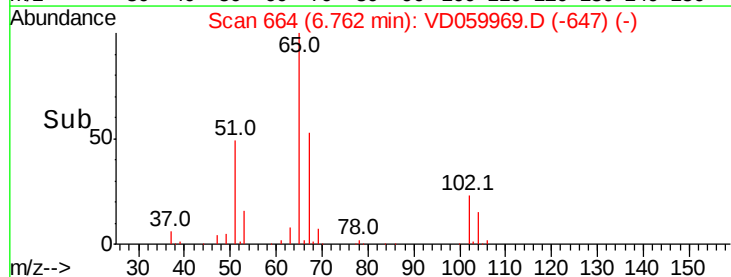
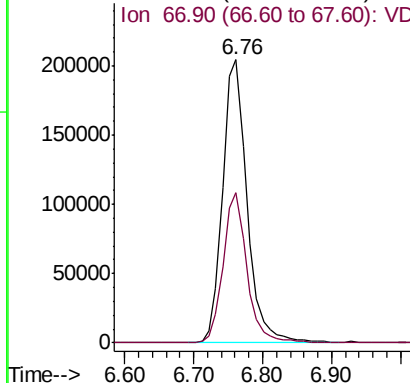
Ion Ratio Lower Upper

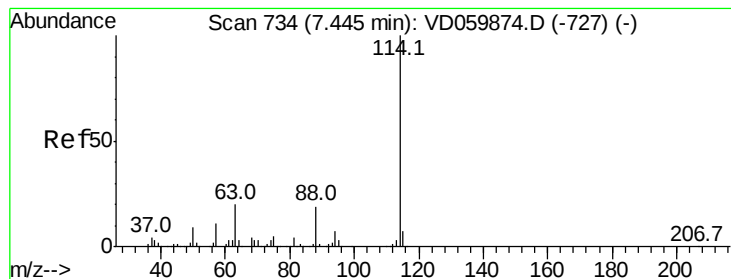
65 100

67 53.1 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: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

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ClientSampleId :

AOC10-02-B

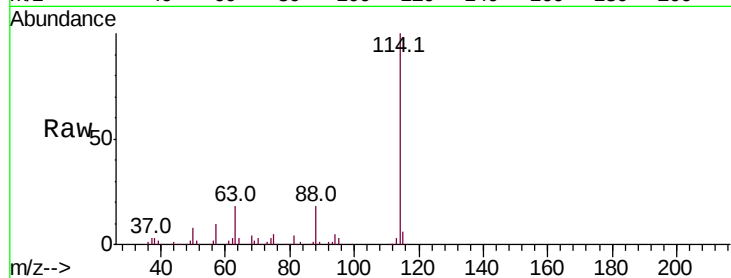
Tot Ion:114 Resp: 1335059

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.4

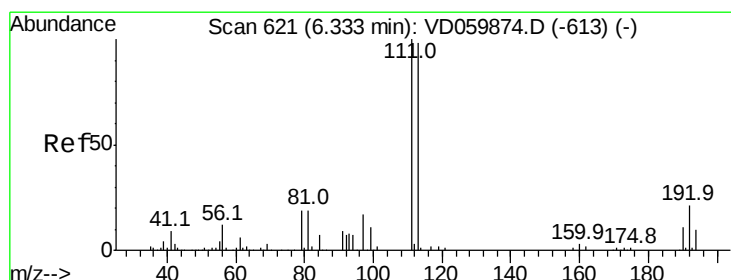
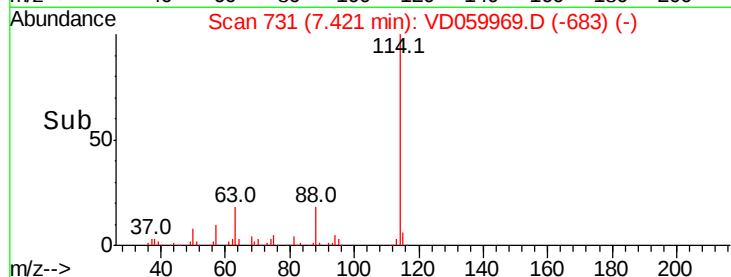
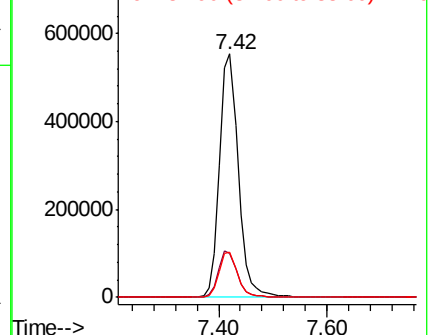
88 18.5 0.0 37.6



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: VD059969.D

Acq: 5 Sep 2018 15:10

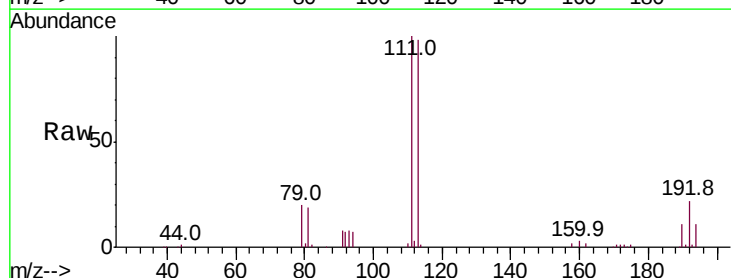
Tgt Ion:113 Resp: 572300

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

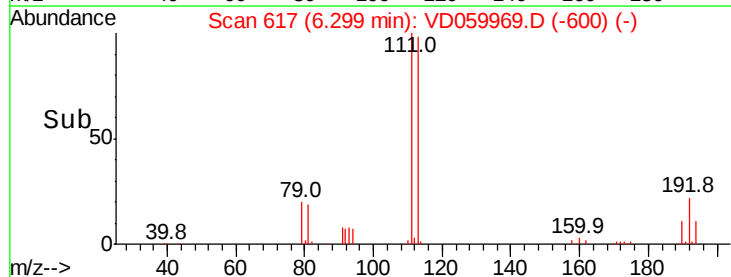
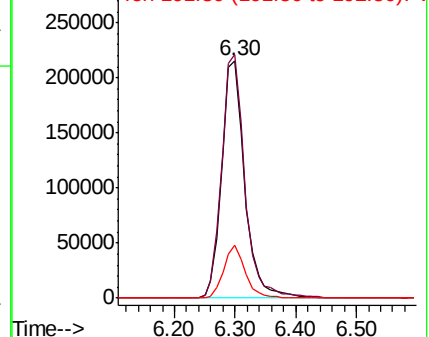
192 22.3 17.0 25.6

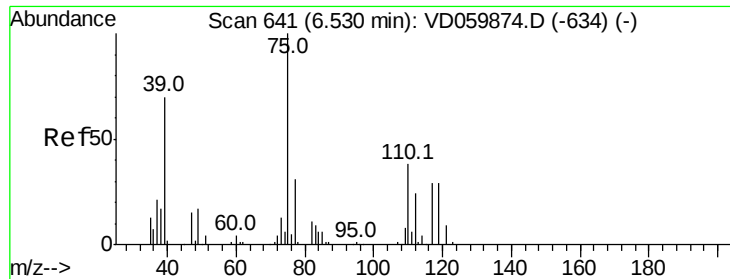


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.800 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.15 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

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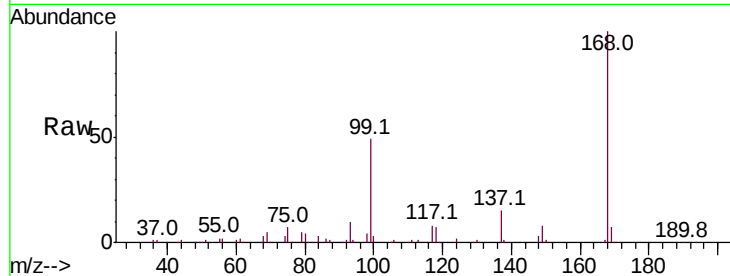
Tot Ion: 75 Resp: 70196

Ion Ratio Lower Upper

75 100

110 6.3 18.6 56.0#

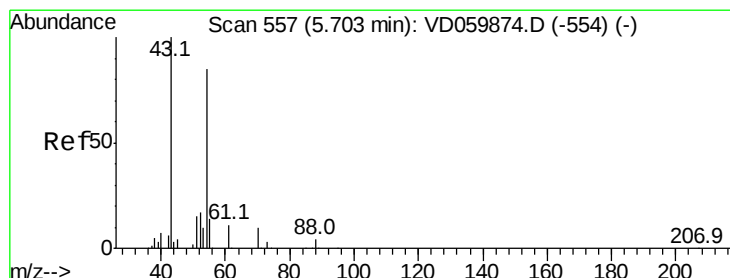
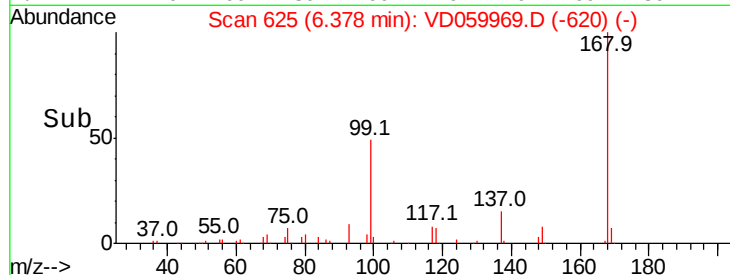
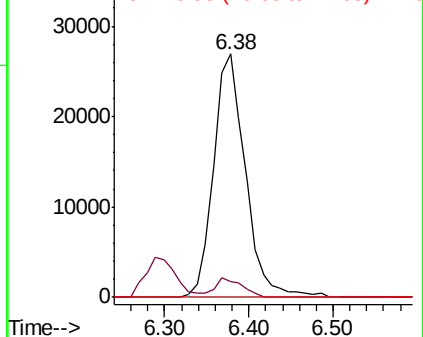
77 0.0 25.1 37.7#



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: 6.999 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.11 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

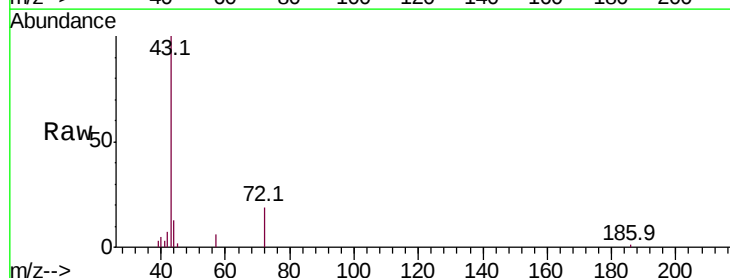
Tgt Ion: 43 Resp: 65912

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

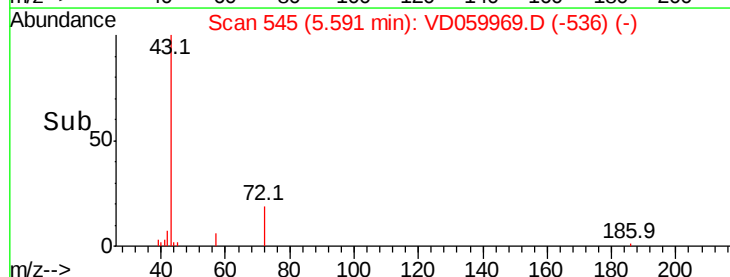
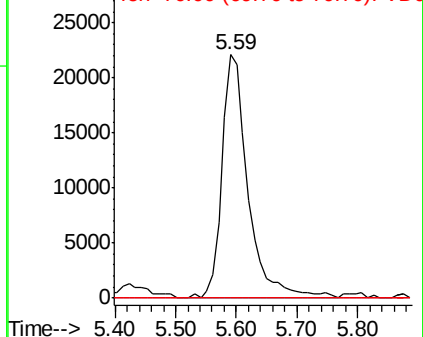
70 0.0 5.7 8.5#

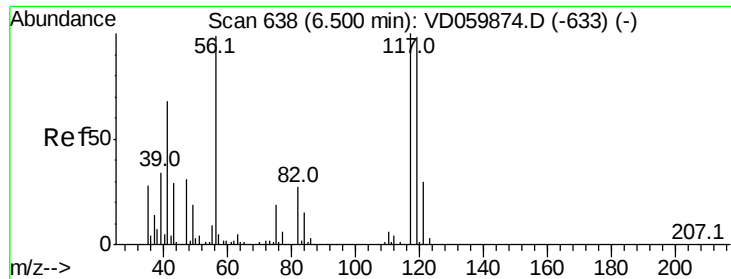


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.173 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.12 min

Lab File: VD059969.D

Acq: 5 Sep 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

AOC10-02-B

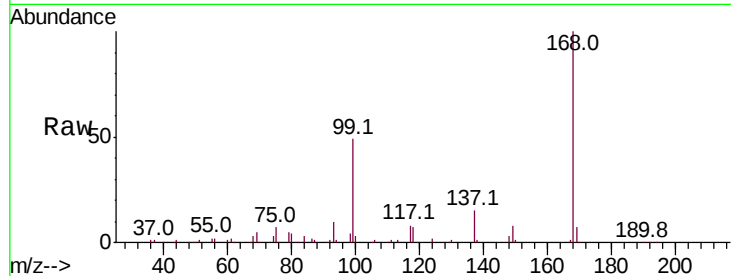
Tot Ion:117 Resp: 75394

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

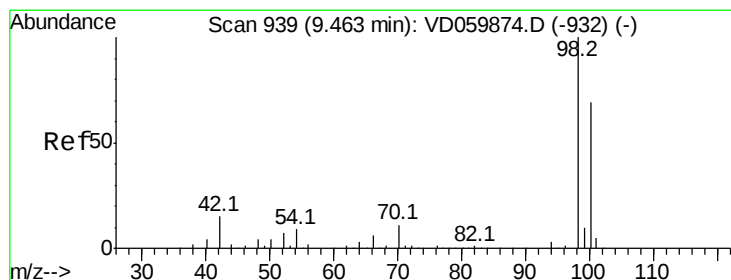
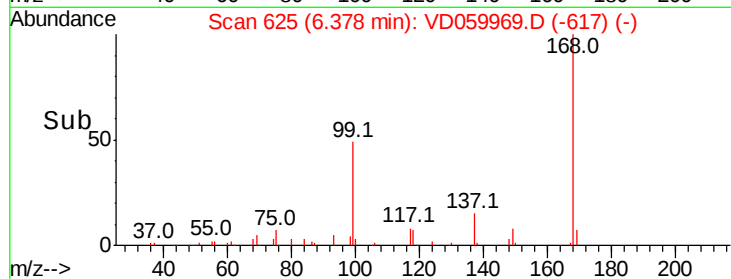
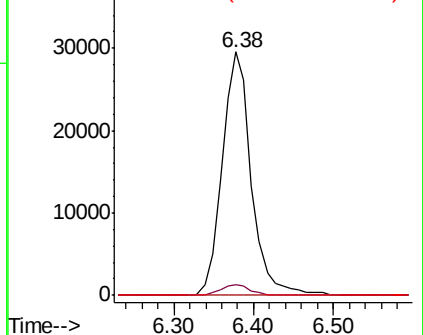
121 0.0 24.0 36.0#



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: VD059969.D

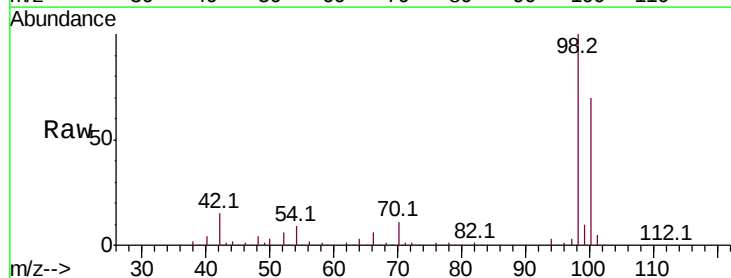
Acq: 5 Sep 2018 15:10

Tgt Ion: 98 Resp: 1461152

Ion Ratio Lower Upper

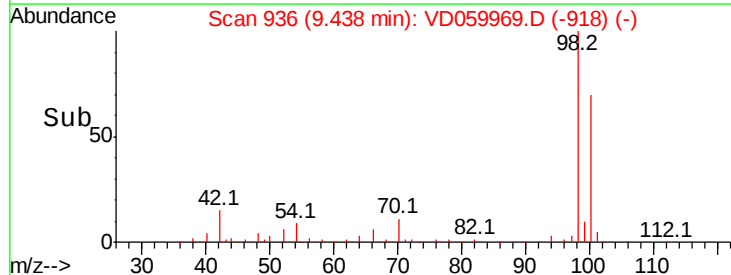
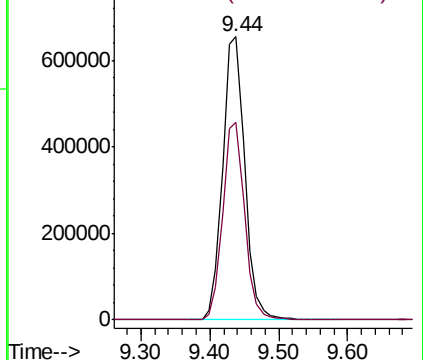
98 100

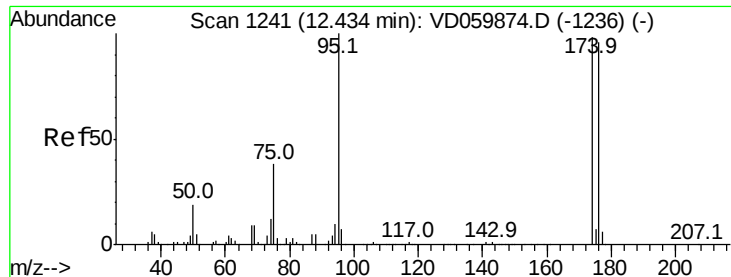
100 69.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

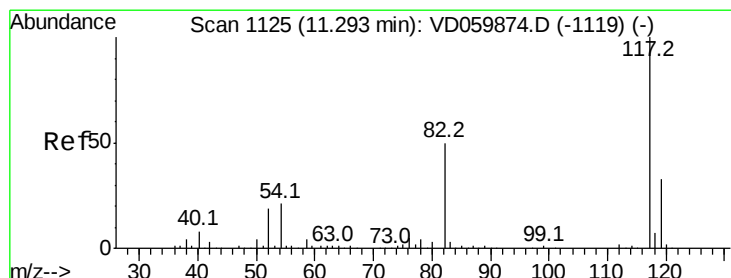
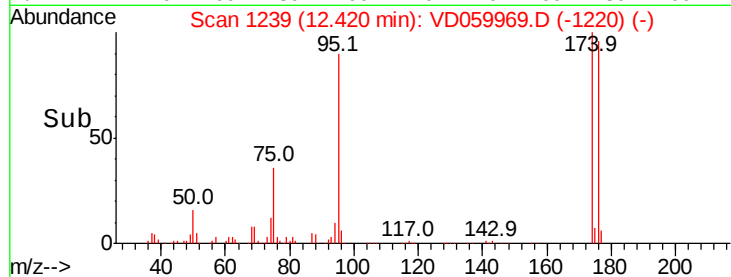
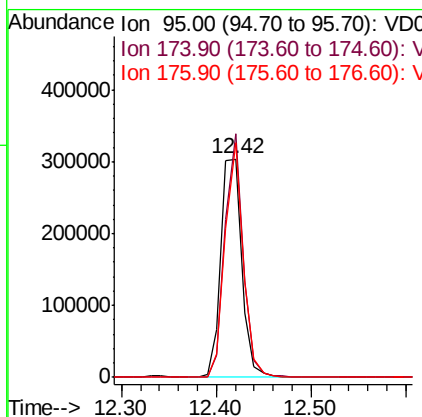
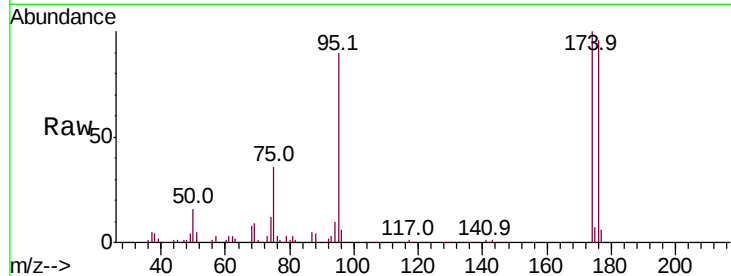




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD059969.D
Acq: 5 Sep 2018 15:10

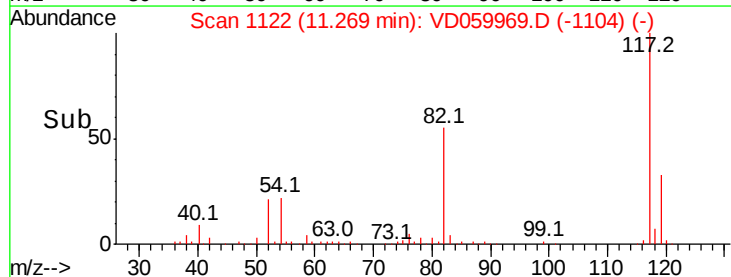
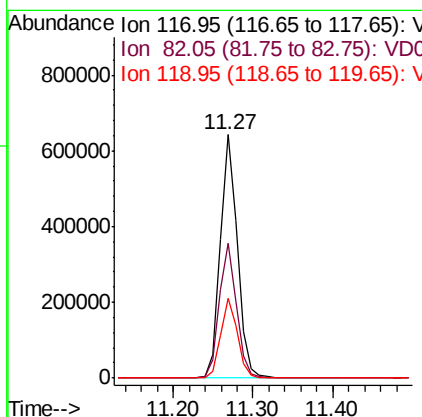
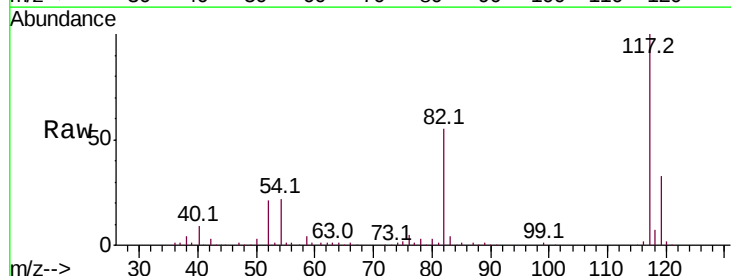
Instrument :
MSVOA_D
ClientSampleId :
AOC10-02-B

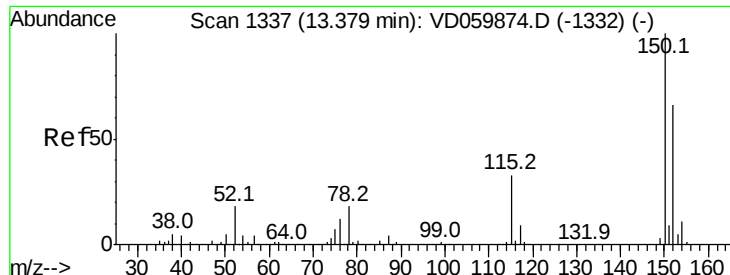
Tot Ion: 95 Resp: 469266
Ion Ratio Lower Upper
95 100
174 111.4 0.0 195.6
176 107.4 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059969.D
Acq: 5 Sep 2018 15:10

Tgt Ion: 117 Resp: 981838
Ion Ratio Lower Upper
117 100
82 55.3 40.1 60.1
119 33.0 26.7 40.1

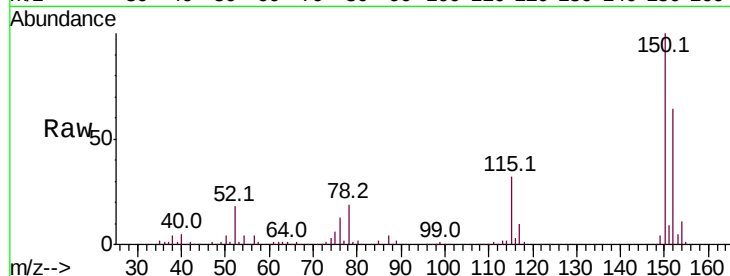




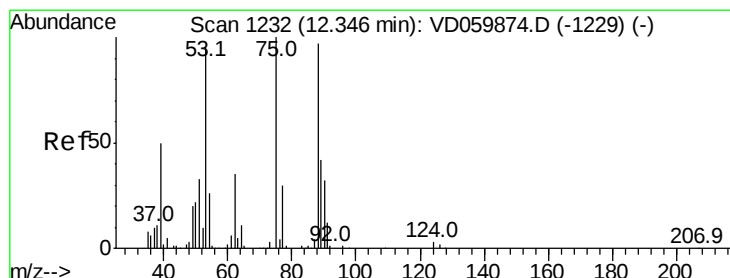
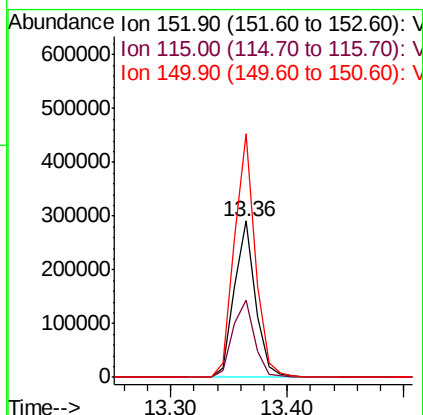
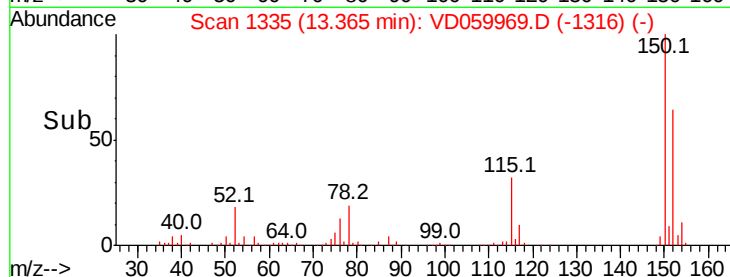
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.36 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VD059969.D
 Acq: 5 Sep 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC10-02-B

Tot Ion:152 Resp: 365935
 Ion Ratio Lower Upper
 152 100
 115 49.6 25.7 77.0
 150 155.6 0.0 310.2

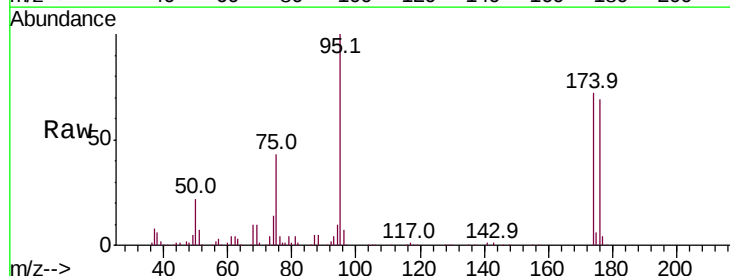


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.145 ug/l
 RT: 12.41 min Scan# 1238
 Delta R.T. 0.06 min
 Lab File: VD059969.D
 Acq: 5 Sep 2018 15:10

Tgt Ion: 75 Resp: 196634
 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

