

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059966.D
 Acq On : 5 Sep 2018 13:45
 Operator : JC/SY
 Sample : J4739-03
 Misc : 8.28g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC2-02-C

Quant Time: Sep 05 14:48:51 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	1152217	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1620791	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1364082	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	709260	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	572128	58.91	ug/l	-0.04
Spiked Amount			Recovery	=	117.82%	
35) Dibromofluoromethane	6.30	113	689864	54.29	ug/l	-0.04
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	9.44	98	1920429	54.46	ug/l	-0.03
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	12.42	95	714712	49.90	ug/l	-0.02
Spiked Amount			Recovery	=	99.80%	

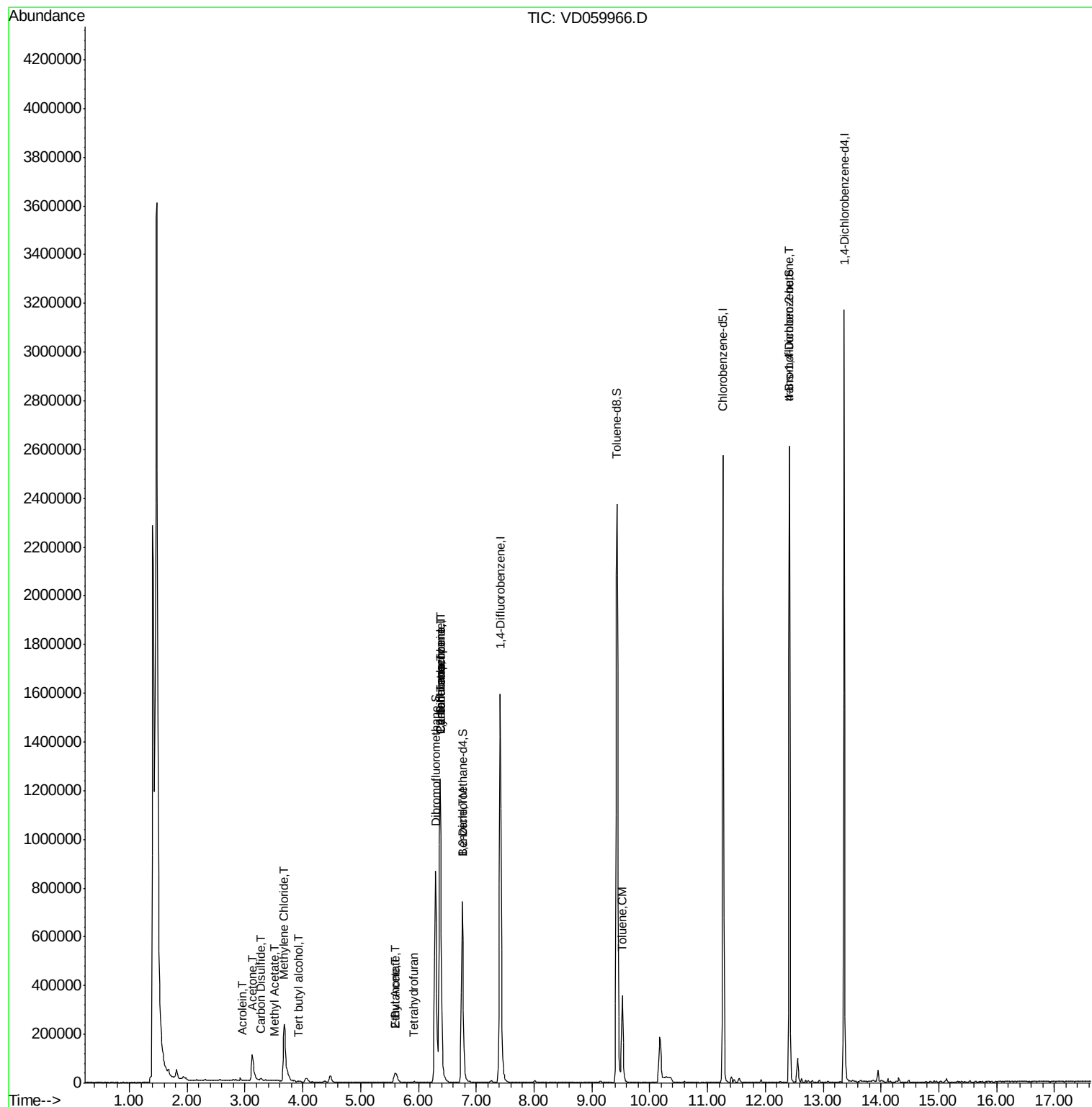
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.93	59	901	1.22	ug/l #	75
13) Acrolein	2.96	56	1478	4.60	ug/l #	76
16) Acetone	3.13	43	224829	127.07	ug/l	99
17) Carbon Disulfide	3.29	76	14179	1.13	ug/l	99
18) Methyl Acetate	3.52	43	3837	1.04	ug/l #	66
20) Methylene Chloride	3.68	84	140612	8.84	ug/l	98
25) 2-Butanone	5.59	43	70928	13.54	ug/l	99
29) Tetrahydrofuran	5.92	42	3406	1.37	ug/l #	66
31) Cyclohexane	6.38	56	24083	1.30	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	85729	5.83	ug/l #	46
37) Ethyl Acetate	5.59	43	70928	6.20	ug/l #	71
38) Carbon Tetrachloride	6.38	117	91641	6.18	ug/l #	15
40) Benzene	6.76	78	48350	1.27	ug/l	96
52) Toluene	9.52	92	176862	7.22	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.42	75	293703	85.65	ug/l #	12
89) n-Butylbenzene	13.64	91	1528	Below Cal	#	80

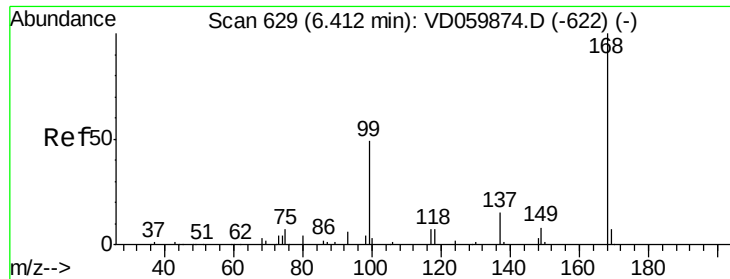
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

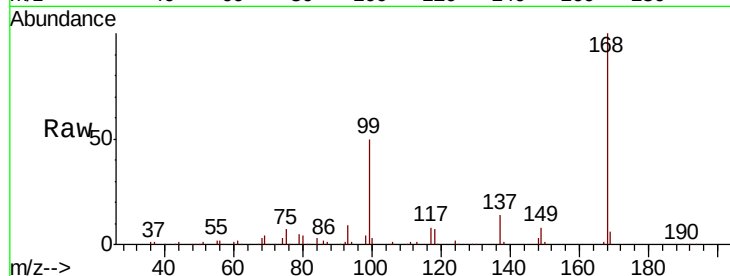
AOC2-02-C

Tot Ion:168 Resp: 1152217

Ion Ratio Lower Upper

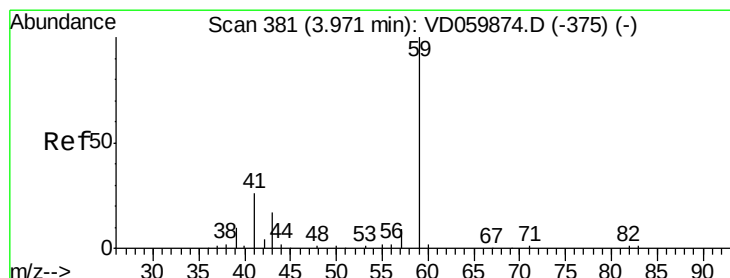
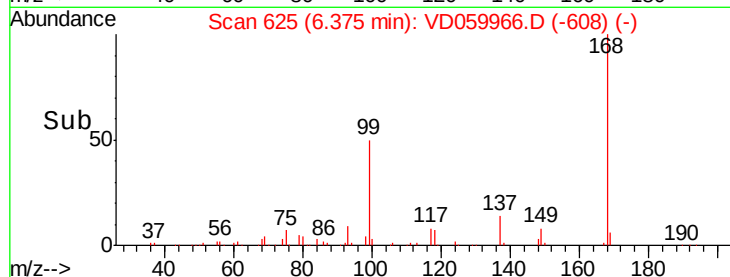
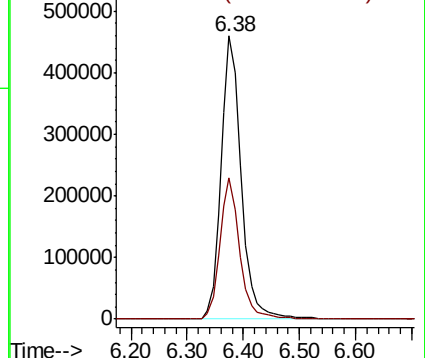
168 100

99 50.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.22 ug/l

RT: 3.93 min Scan# 377

Delta R.T. -0.04 min

Lab File: VD059966.D

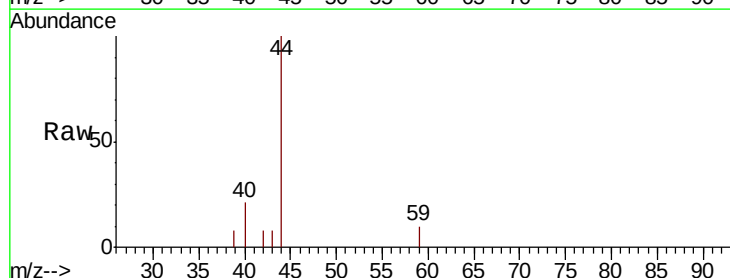
Acq: 5 Sep 2018 13:45

Tgt Ion: 59 Resp: 901

Ion Ratio Lower Upper

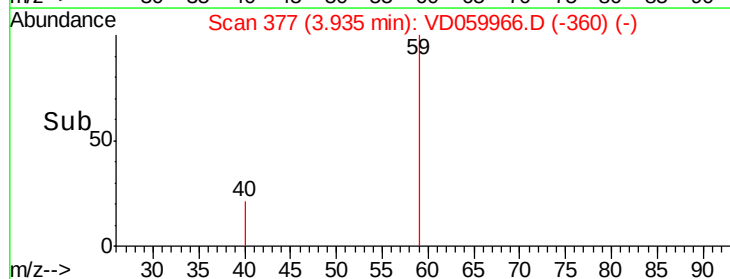
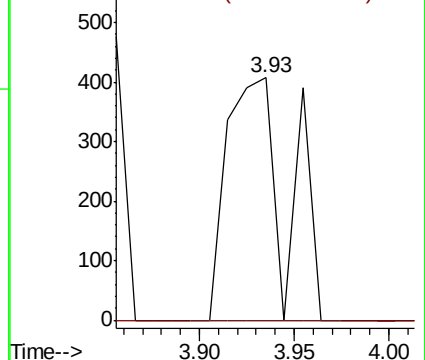
59 100

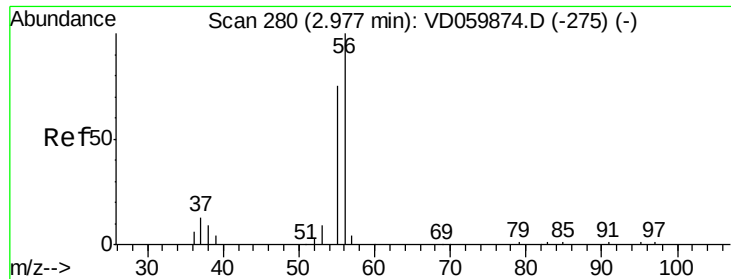
57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 4.60 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

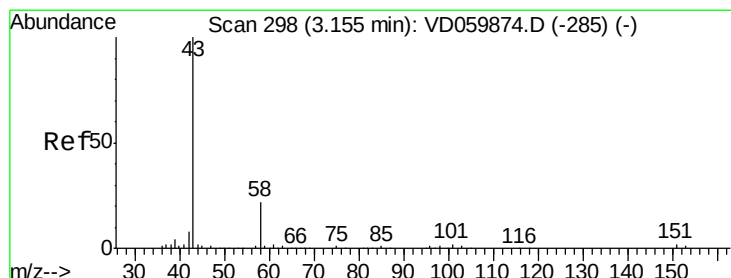
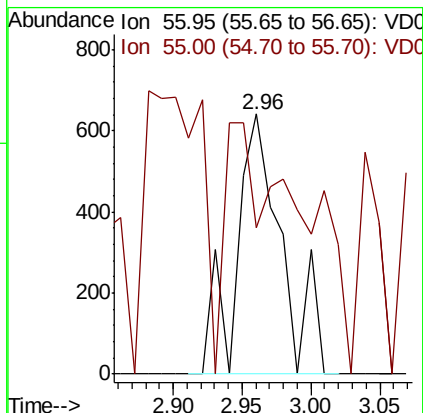
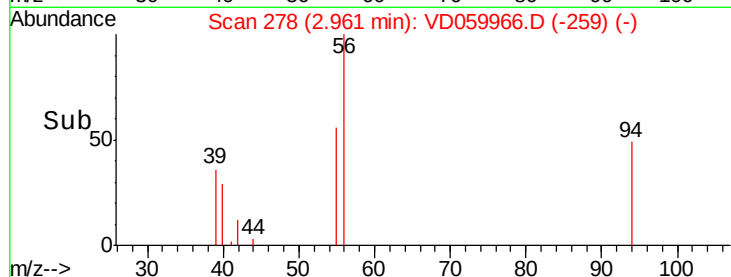
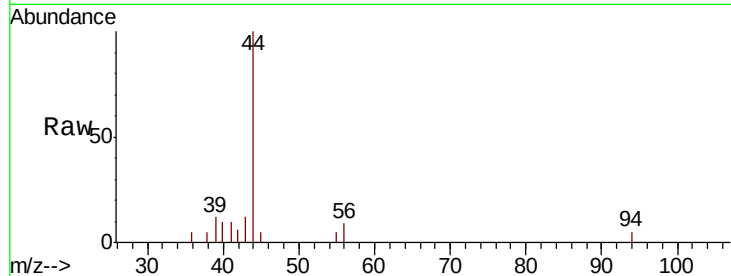
AOC2-02-C

Tot Ion: 56 Resp: 1478

Ion Ratio Lower Upper

56 100

55 56.5 61.9 92.9#



#16

Acetone

Concen: 127.07 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059966.D

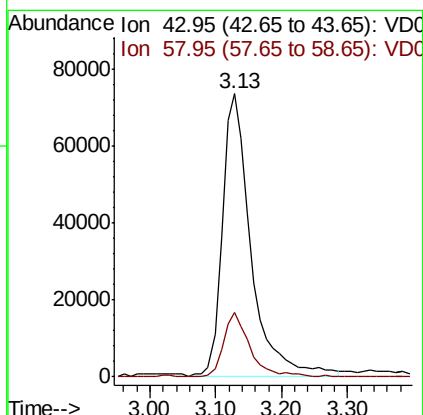
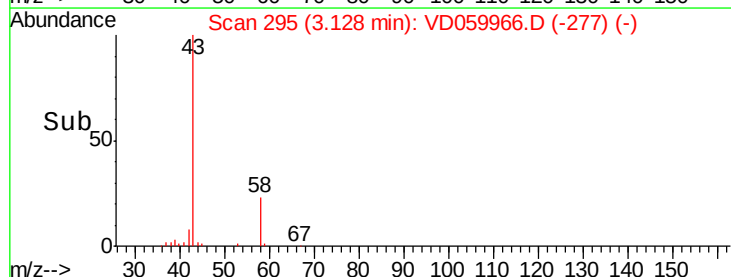
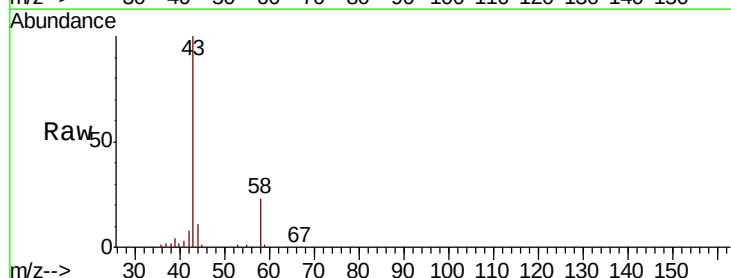
Acq: 5 Sep 2018 13:45

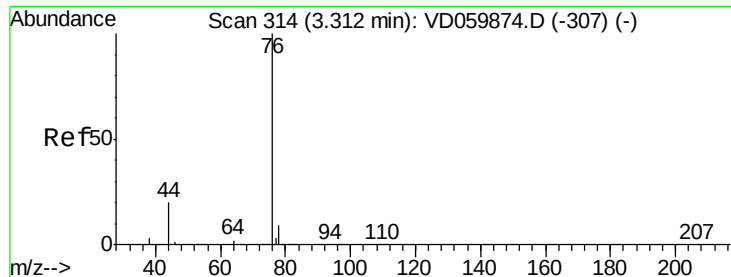
Tgt Ion: 43 Resp: 224829

Ion Ratio Lower Upper

43 100

58 22.7 17.6 26.4





#17

Carbon Disulfide

Concen: 1.13 ug/l

RT: 3.29 min Scan# 311

Delta R.T. -0.03 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

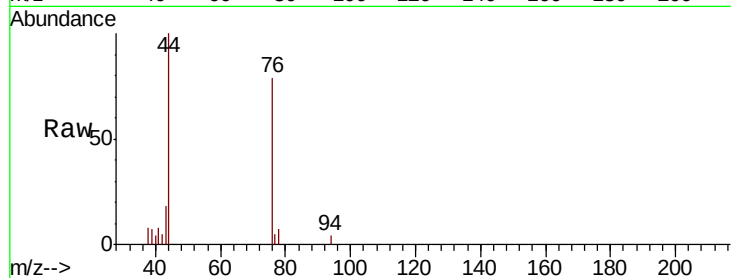
AOC2-02-C

Tot Ion: 76 Resp: 14179

Ion Ratio Lower Upper

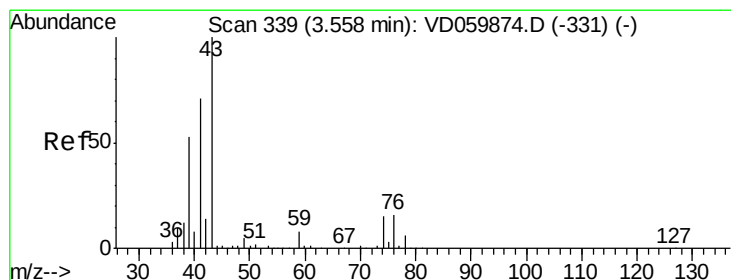
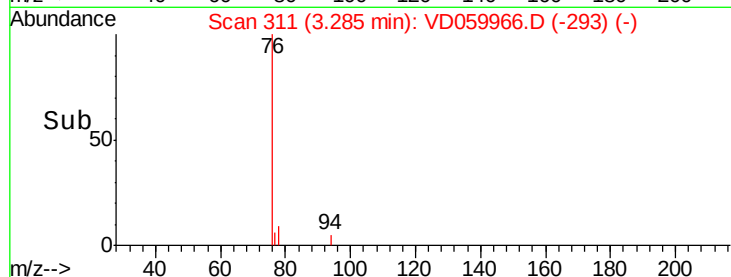
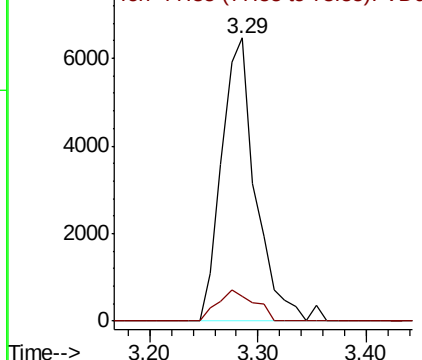
76 100

78 8.8 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 1.04 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059966.D

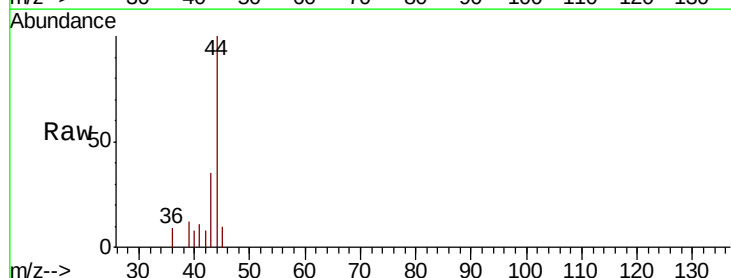
Acq: 5 Sep 2018 13:45

Tgt Ion: 43 Resp: 3837

Ion Ratio Lower Upper

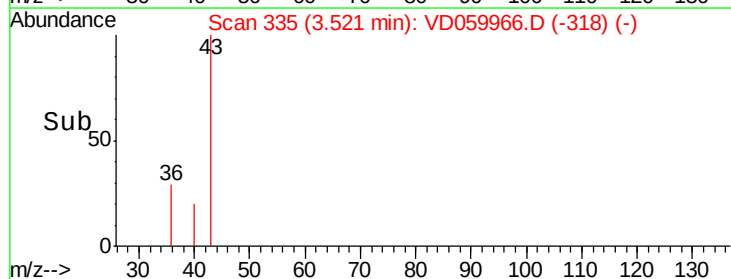
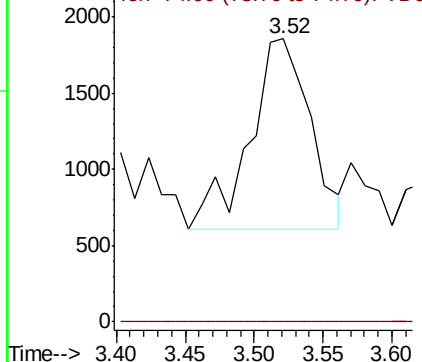
43 100

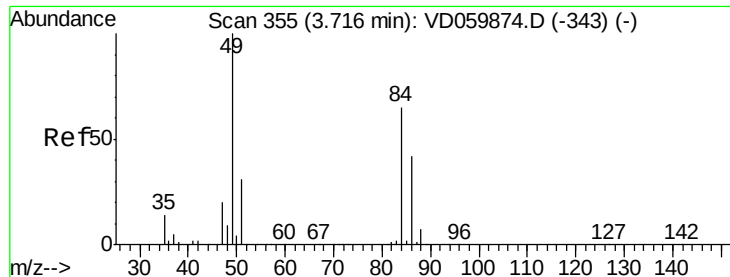
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

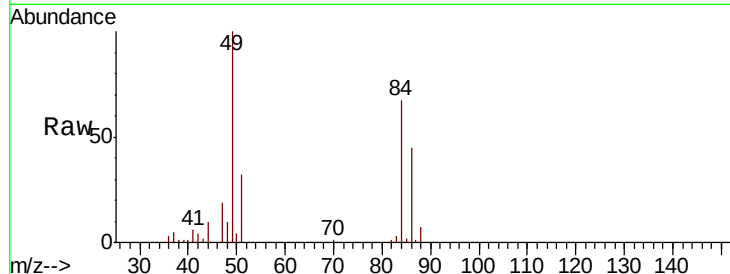




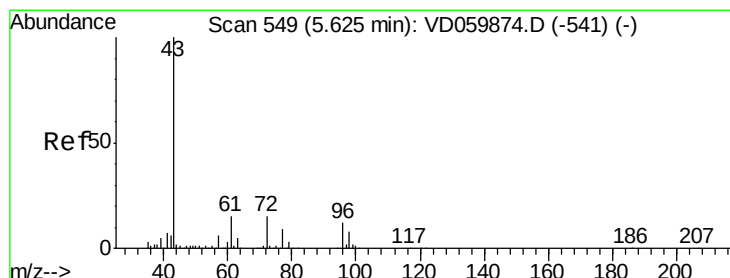
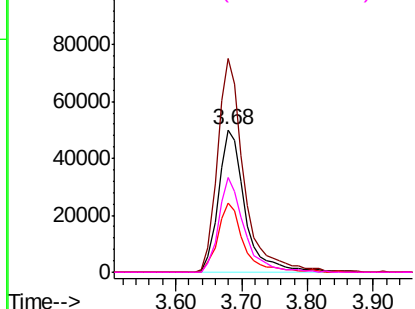
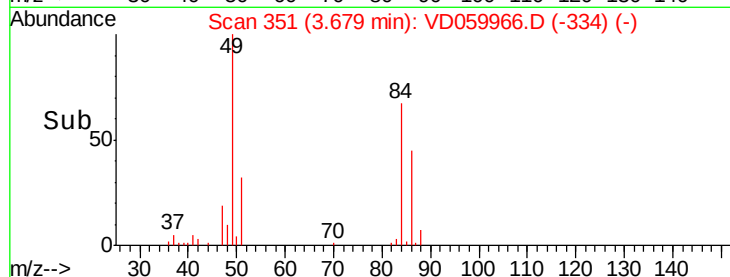
#20
Methvlene Chloride
Concen: 8.84 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.04 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-C

Tot Ion:	84	Resp:	140612
Ion	Ratio	Lower	Upper
84	100		
49	150.1	122.6	183.8
51	48.5	38.4	57.6
86	66.8	51.5	77.3

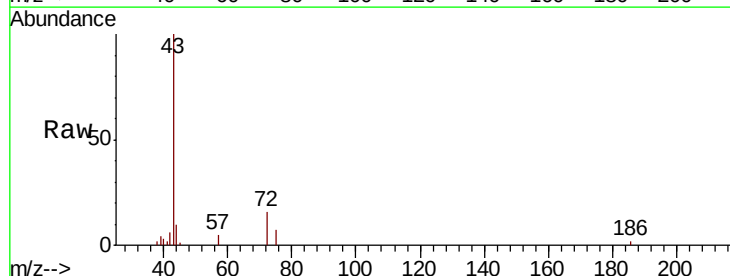


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

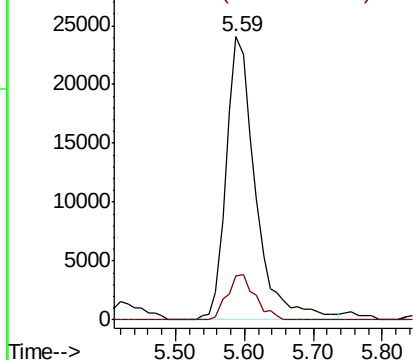
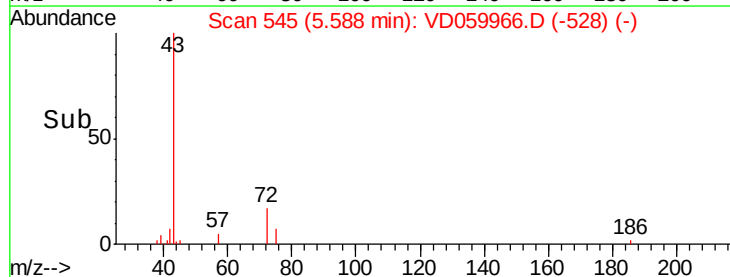


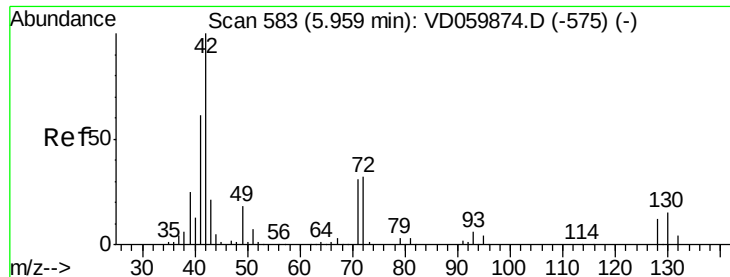
#25
2-Butanone
Concen: 13.54 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.04 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

Tgt Ion:	43	Resp:	70928
Ion	Ratio	Lower	Upper
43	100		
72	15.8	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: 1.37 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-C

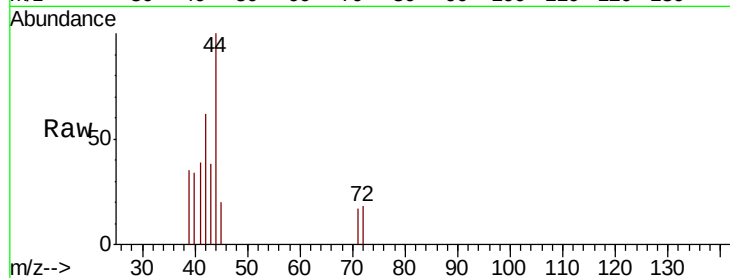
Tot Ion: 42 Resp: 3406

Ion Ratio Lower Upper

42 100

72 13.0 25.7 38.5#

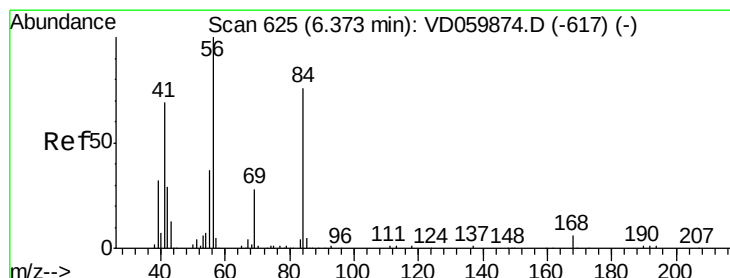
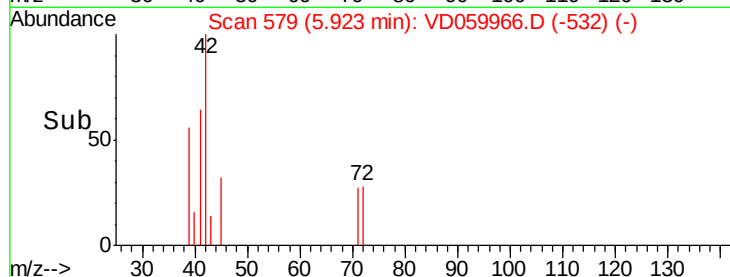
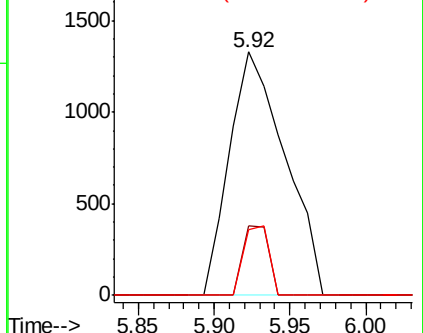
71 12.8 25.3 37.9#



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: 1.30 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

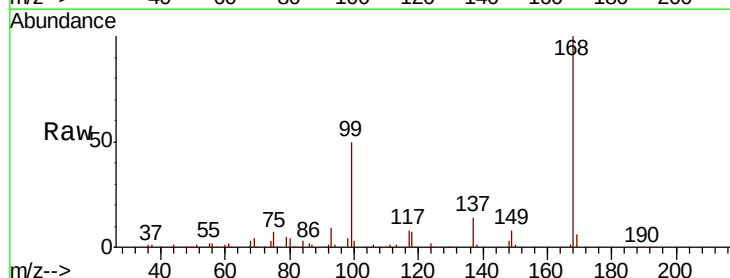
Tgt Ion: 56 Resp: 24083

Ion Ratio Lower Upper

56 100

69 226.5 22.4 33.6#

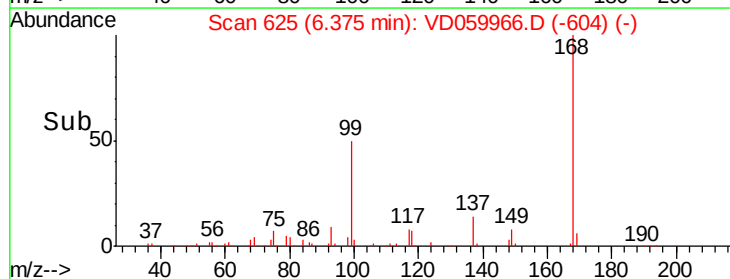
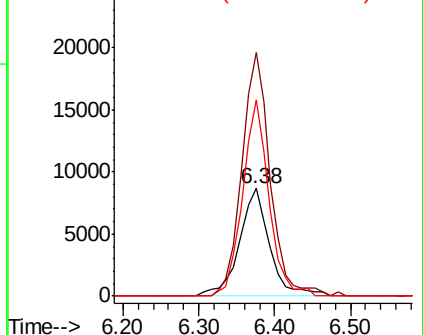
84 182.8 62.1 93.1#

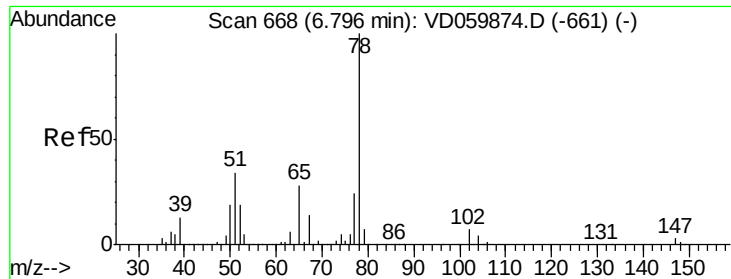


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

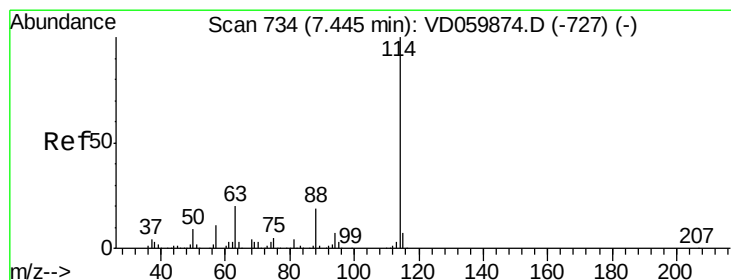
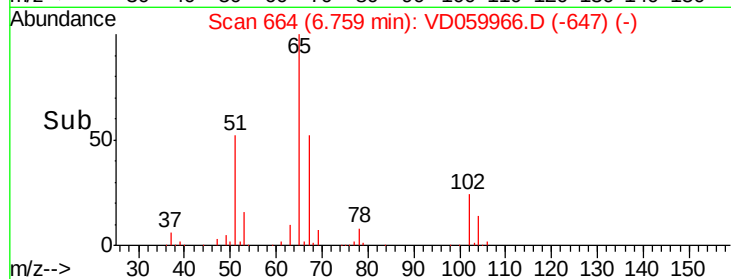
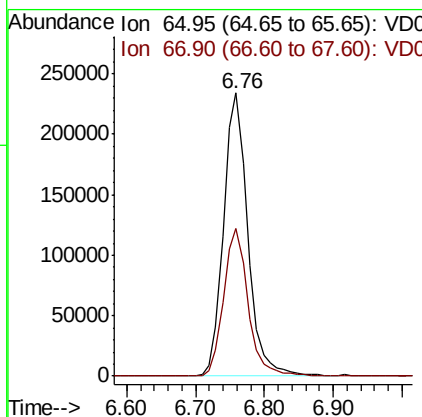
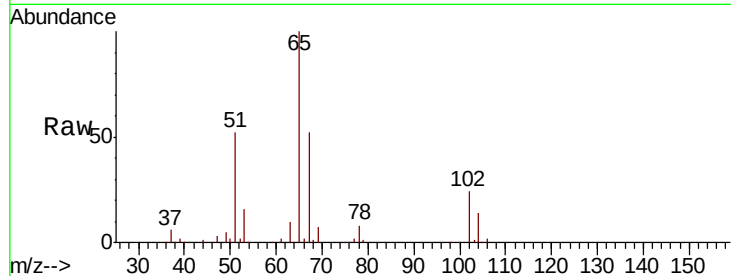




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: VD059966.D
 Acq: 5 Sep 2018 13:45

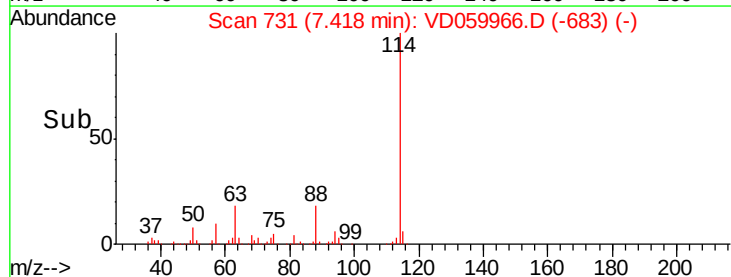
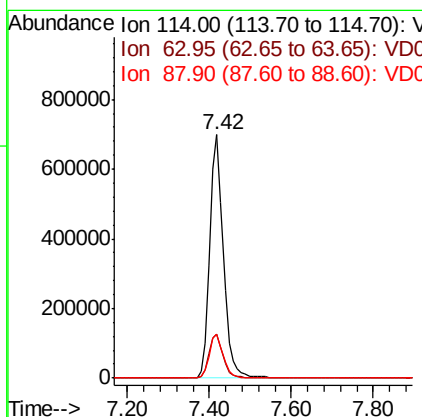
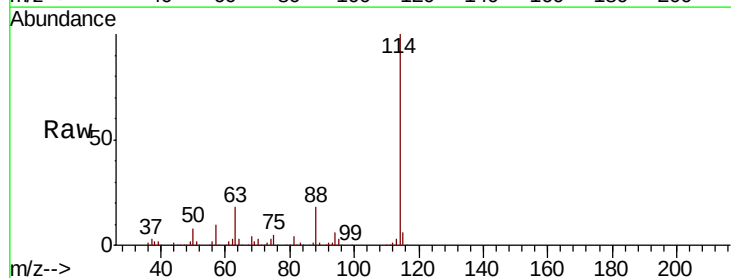
Instrument :
 MSVOA_D
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 AOC2-02-C

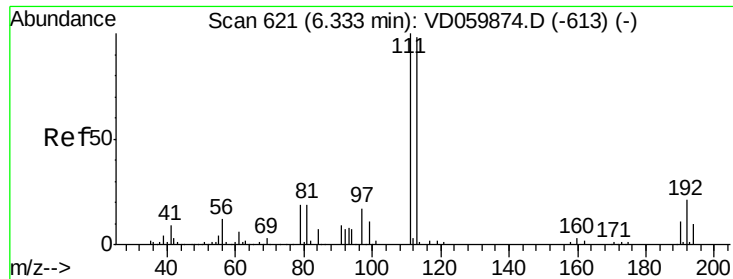
Tot Ion: 65 Resp: 572128
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059966.D
 Acq: 5 Sep 2018 13:45

Tgt Ion: 114 Resp: 1620791
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.4
 88 18.3 0.0 37.6

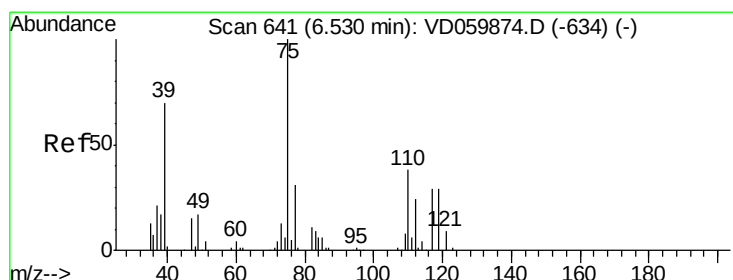
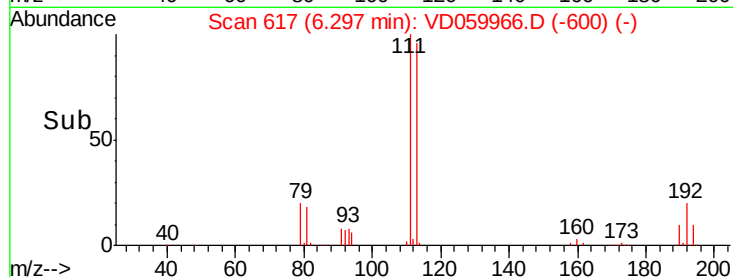
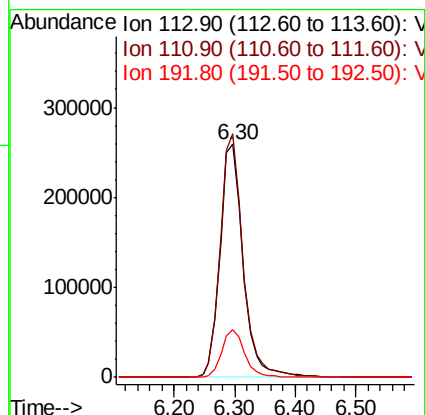
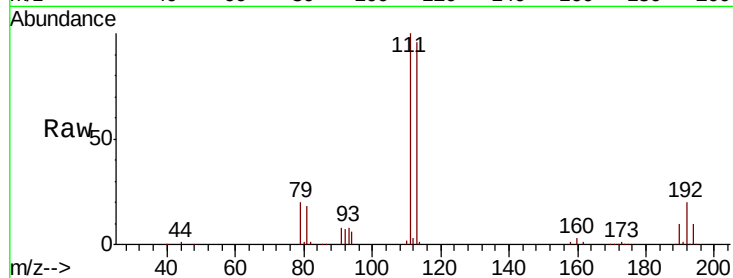




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.30 min Scan# 617
Delta R.T. -0.04 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

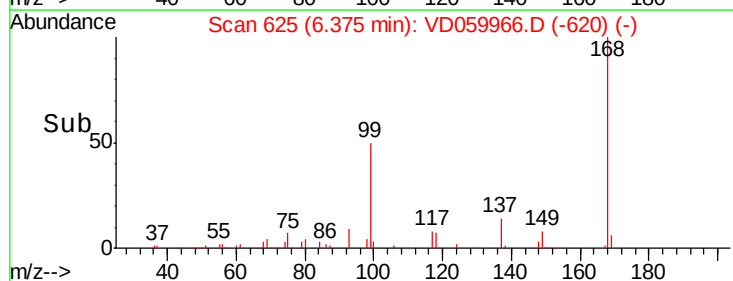
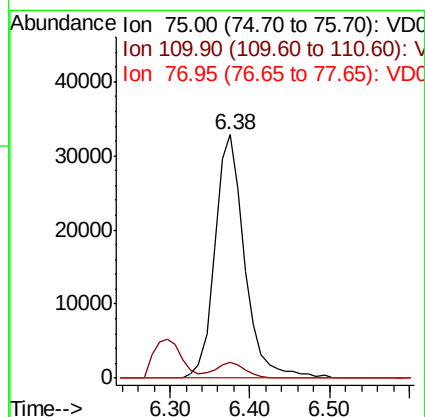
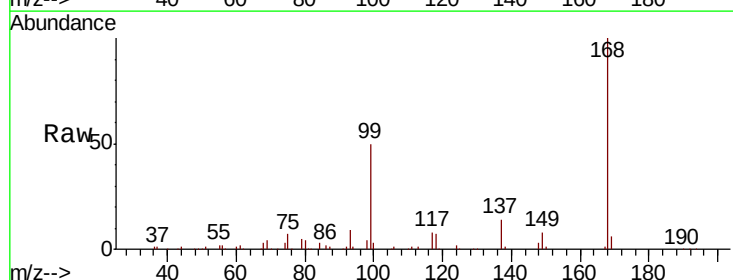
Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-C

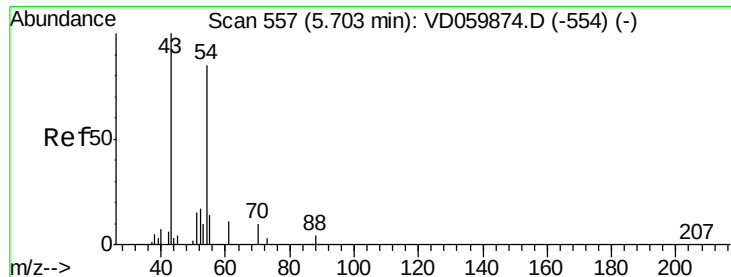
Tot Ion:113 Resp: 689864
Ion Ratio Lower Upper
113 100
111 104.3 81.4 122.2
192 20.4 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.83 ug/l
RT: 6.38 min Scan# 625
Delta R.T. -0.15 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

Tgt Ion: 75 Resp: 85729
Ion Ratio Lower Upper
75 100
110 6.7 18.6 56.0#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 6.20 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.12 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-C

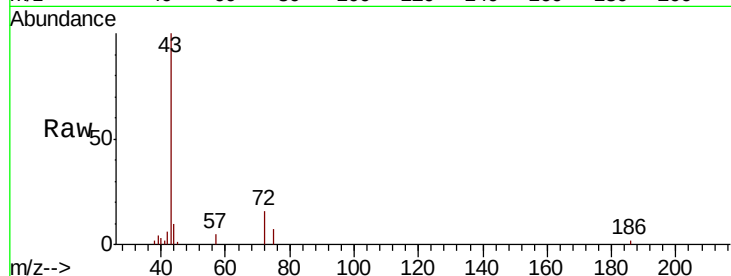
Tot Ion: 43 Resp: 70928

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

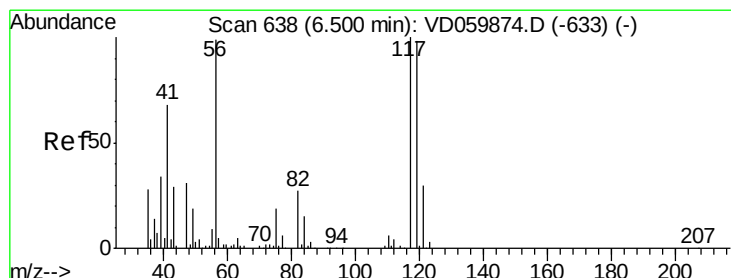
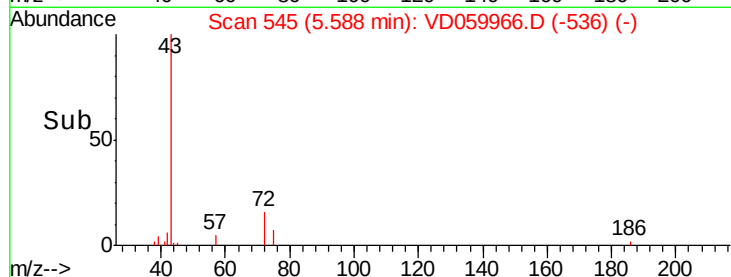
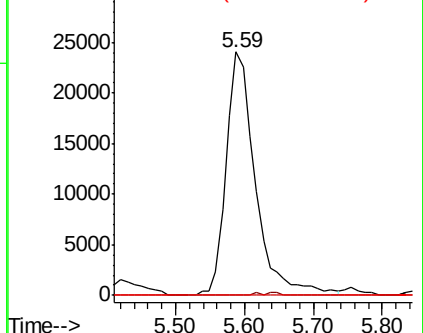
70 0.0 5.7 8.5#



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: 6.18 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.13 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

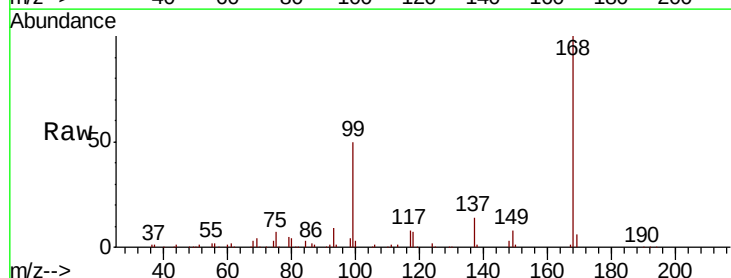
Tgt Ion: 117 Resp: 91641

Ion Ratio Lower Upper

117 100

119 3.8 77.2 115.8#

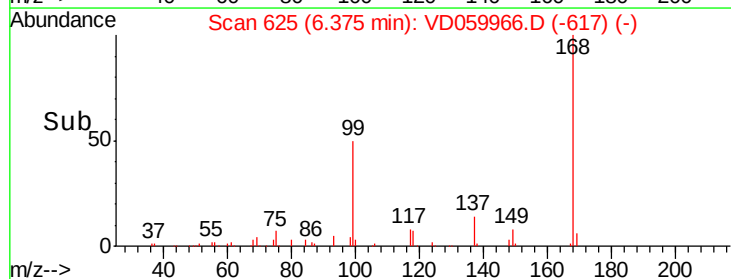
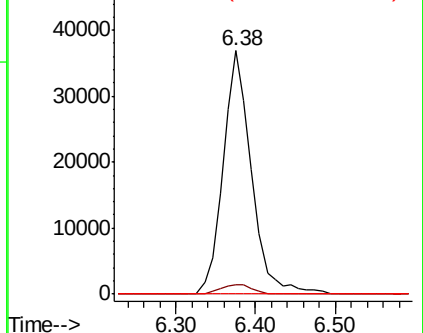
121 0.0 24.0 36.0#

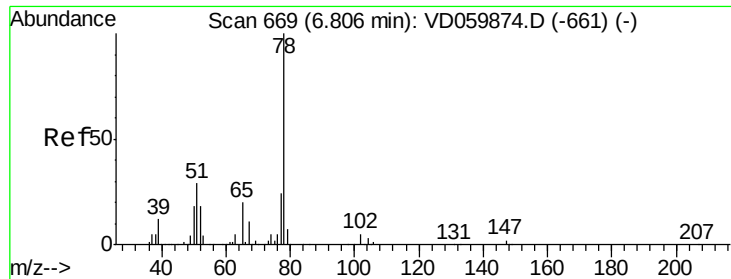


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 1.27 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.05 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

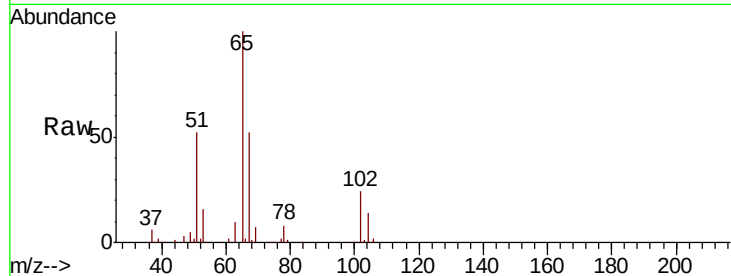
AOC2-02-C

Tot Ion: 78 Resp: 48350

Ion Ratio Lower Upper

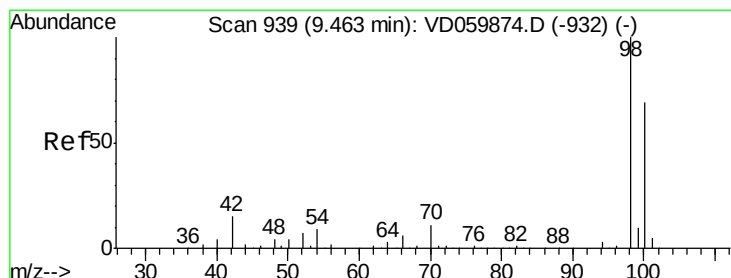
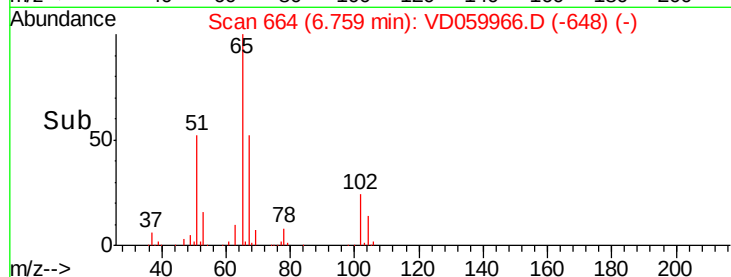
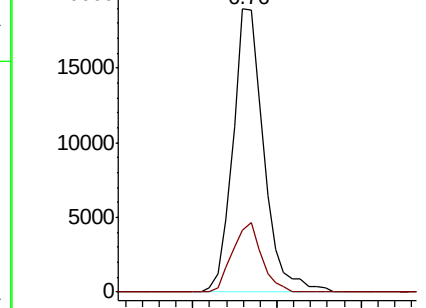
78 100

77 21.9 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059966.D

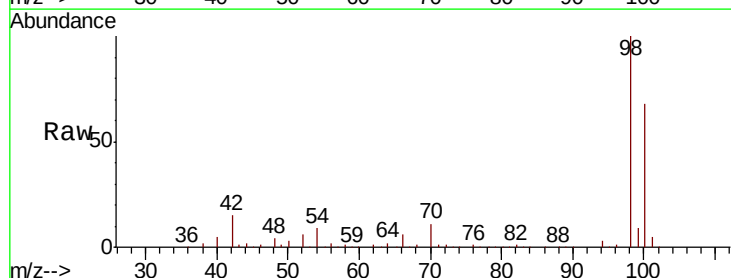
Acq: 5 Sep 2018 13:45

Tgt Ion: 98 Resp: 1920429

Ion Ratio Lower Upper

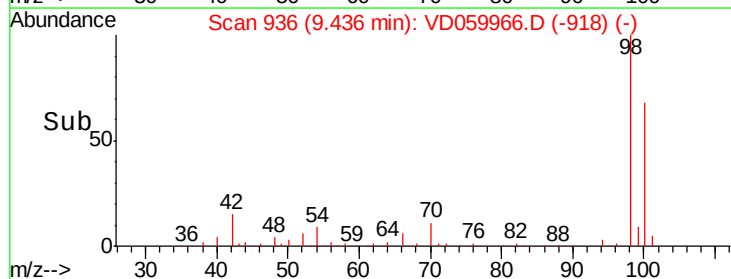
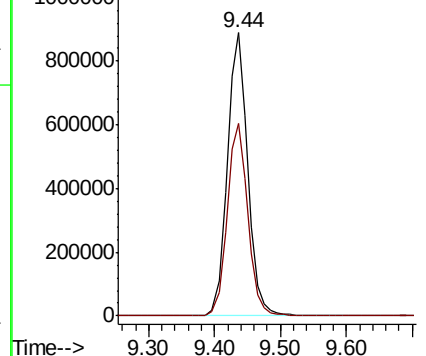
98 100

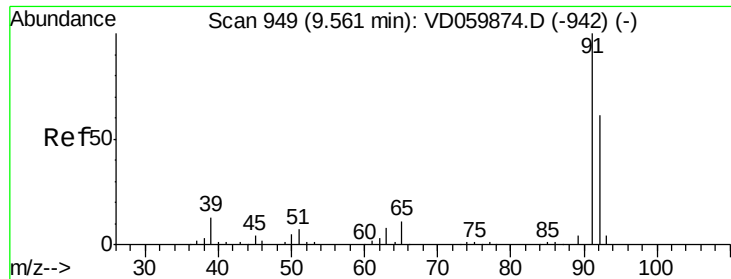
100 68.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 7.22 ug/l

RT: 9.52 min Scan# 945

Delta R.T. -0.04 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

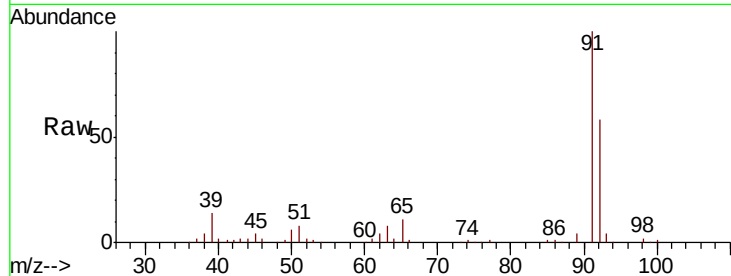
AOC2-02-C

Tot Ion: 92 Resp: 176862

Ion Ratio Lower Upper

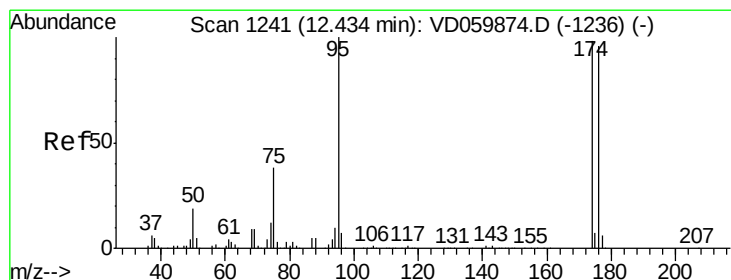
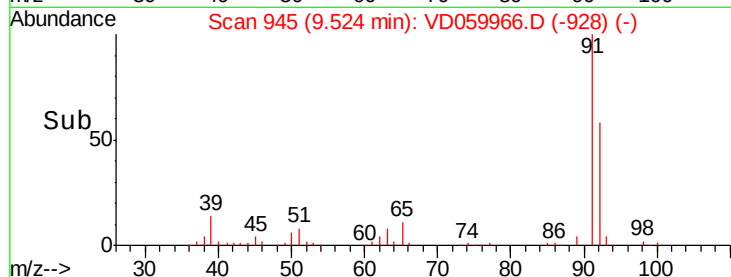
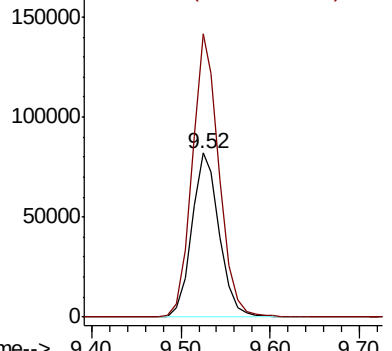
92 100

91 172.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

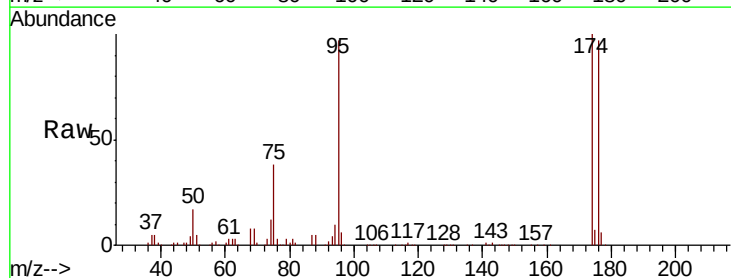
Tgt Ion: 95 Resp: 714712

Ion Ratio Lower Upper

95 100

174 102.9 0.0 195.6

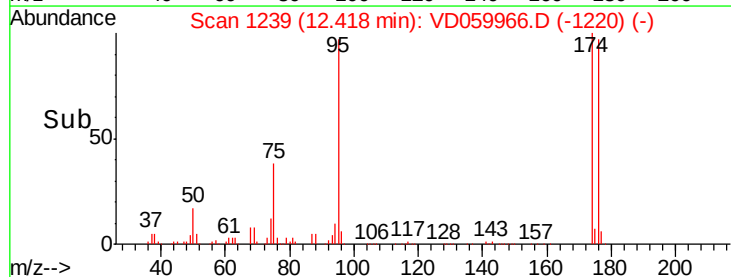
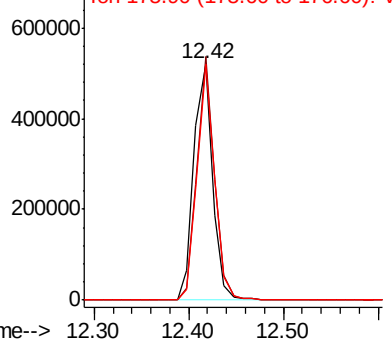
176 99.9 0.0 191.2

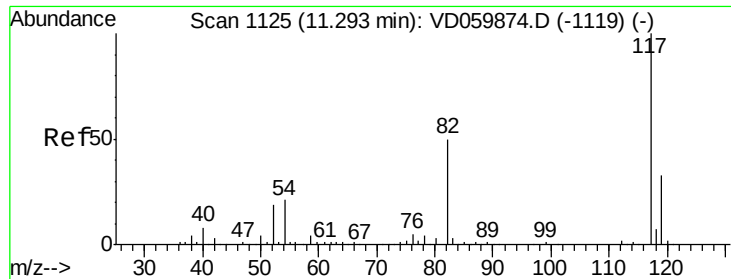


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

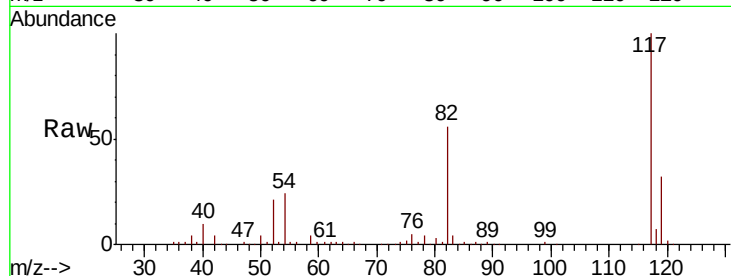




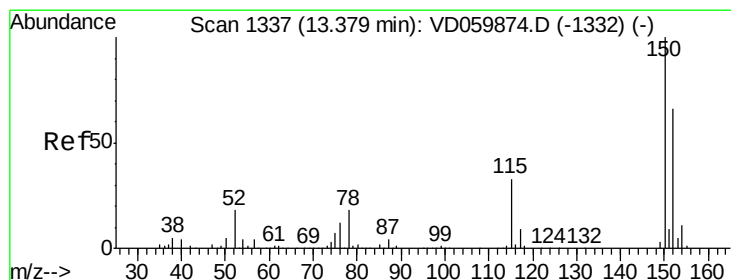
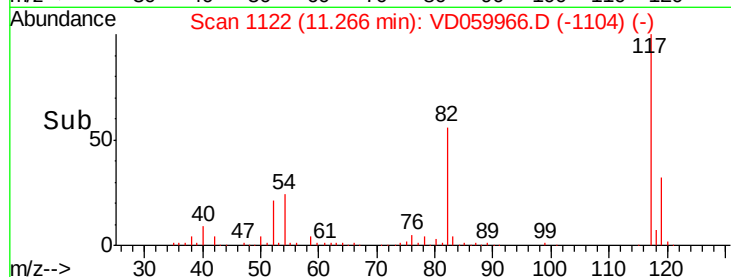
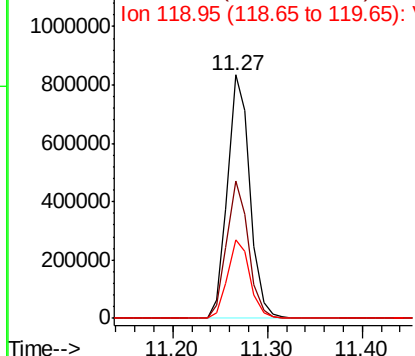
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-C

Tot Ion:117 Resp: 1364082
Ion Ratio Lower Upper
117 100
82 56.4 40.1 60.1
119 32.0 26.7 40.1

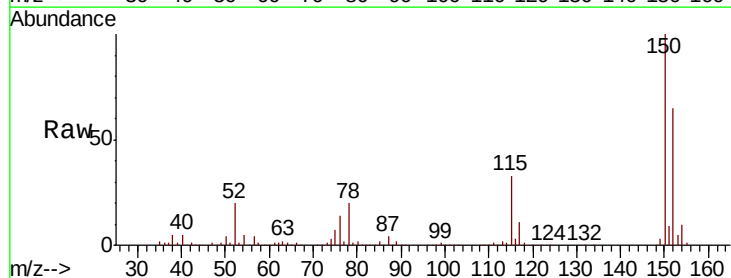


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

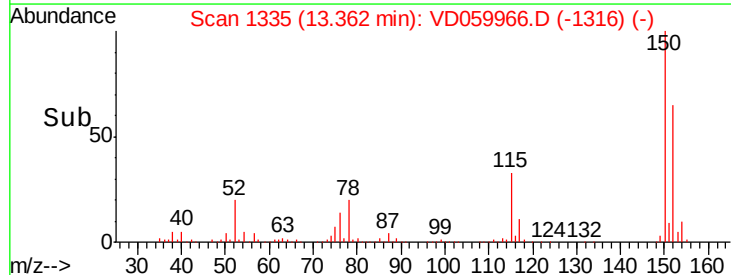
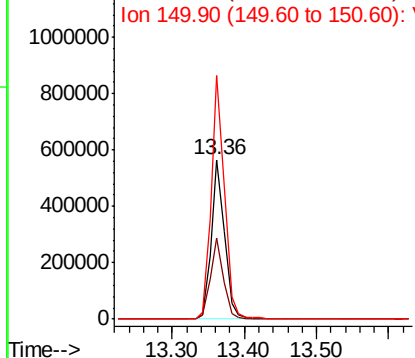


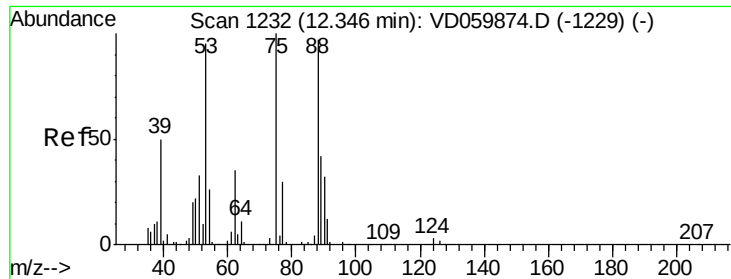
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059966.D
Acq: 5 Sep 2018 13:45

Tgt Ion:152 Resp: 709260
Ion Ratio Lower Upper
152 100
115 50.9 25.7 77.0
150 152.9 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: 85.65 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059966.D

Acq: 5 Sep 2018 13:45

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-C

Tot Ion: 75 Resp: 293703

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

