

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059967.D
 Acq On : 5 Sep 2018 14:13
 Operator : JC/SY
 Sample : J4739-04
 Misc : 7.66g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AOC2-02-D

Quant Time: Sep 05 14:49:05 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	6.37	168	1291241	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1869593	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1586377	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	833405	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	629354	57.83	ug/l	-0.04
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	6.29	113	752460	51.34	ug/l	-0.04
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	9.43	98	2102888	51.69	ug/l	-0.03
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.41	95	795519	48.15	ug/l	-0.02
Spiked Amount			Recovery	=	96.30%	

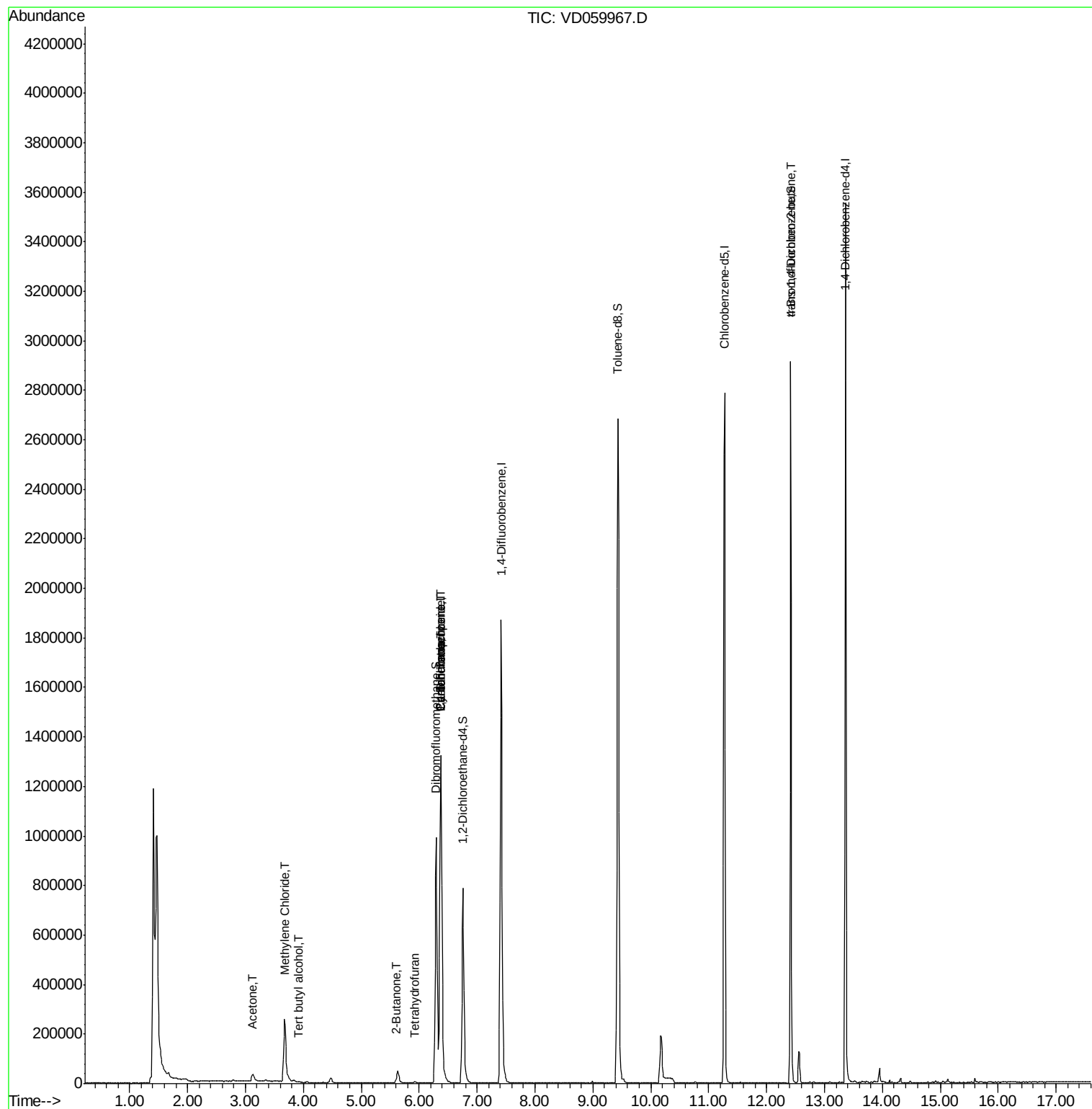
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.91	59	2180	2.63	ug/l #	75
16) Acetone	3.12	43	63047	31.80	ug/l #	89
20) Methylene Chloride	3.68	84	144727	7.79	ug/l	98
25) 2-Butanone	5.59	43	10218	1.74	ug/l #	63
29) Tetrahydrofuran	5.93	42	4212	1.51	ug/l #	67
31) Cyclohexane	6.37	56	24860	1.20	ug/l #	1
36) 1,1-Dichloropropene	6.37	75	95068	5.61	ug/l #	47
38) Carbon Tetrachloride	6.37	117	103038	6.02	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.41	75	322340	80.00	ug/l #	12
89) n-Butylbenzene	13.63	91	1191	Below Cal	#	58

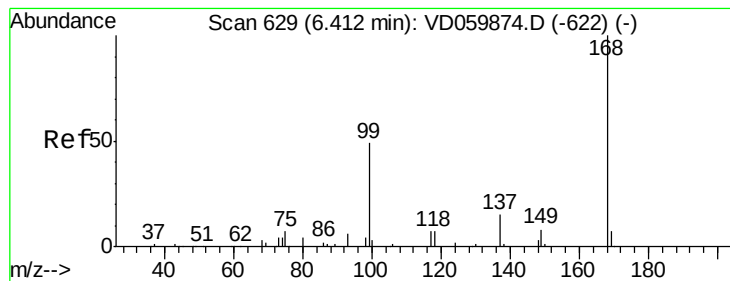
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

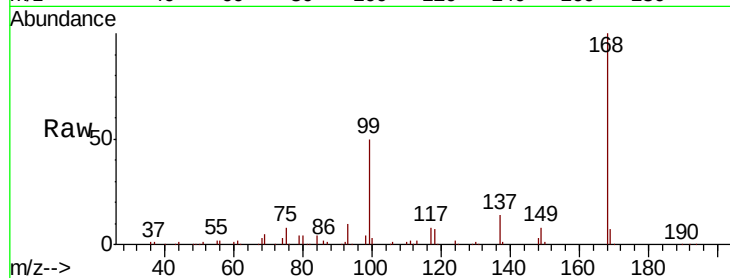
AOC2-02-D

Tot Ion:168 Resp: 1291241

Ion Ratio Lower Upper

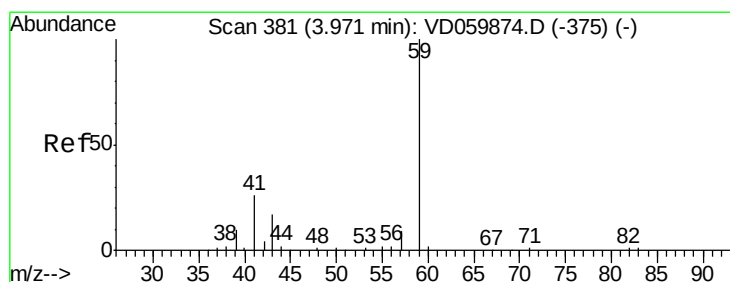
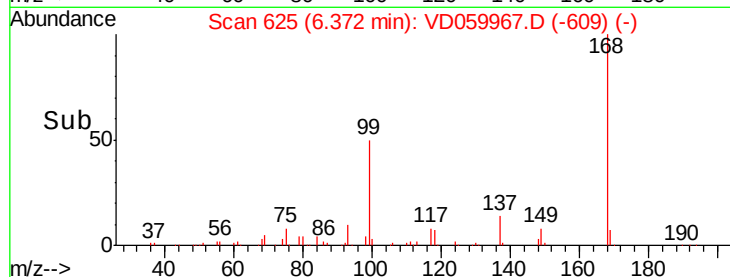
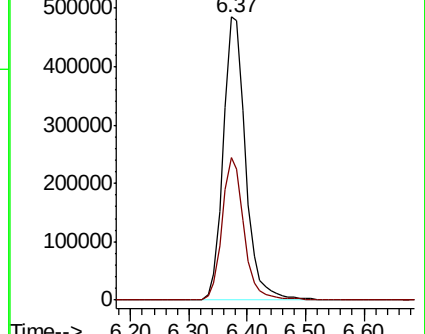
168 100

99 50.3 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: 2.63 ug/l

RT: 3.91 min Scan# 375

Delta R.T. -0.06 min

Lab File: VD059967.D

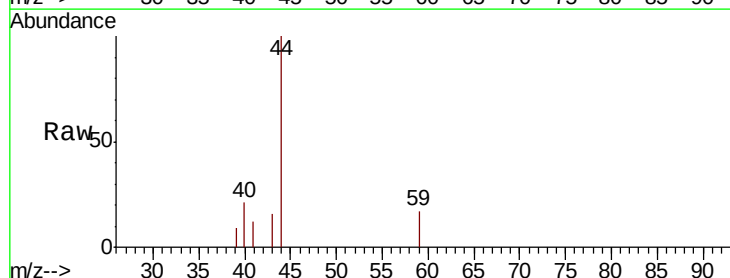
Acq: 5 Sep 2018 14:13

Tgt Ion: 59 Resp: 2180

Ion Ratio Lower Upper

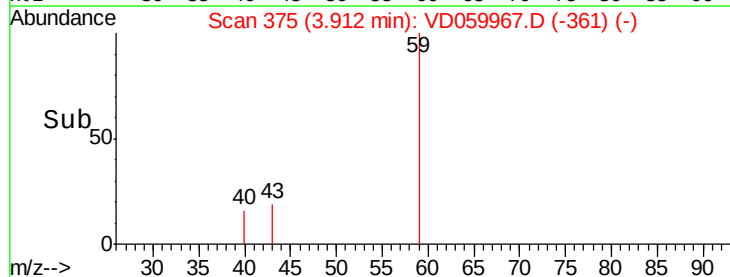
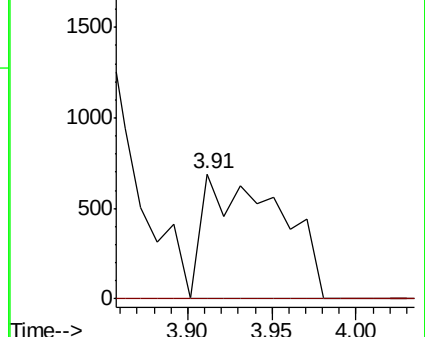
59 100

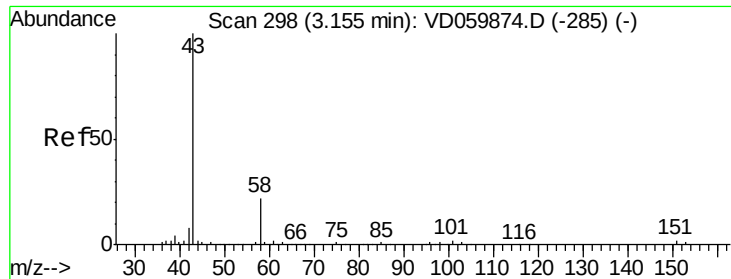
57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 31.80 ug/l

RT: 3.12 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

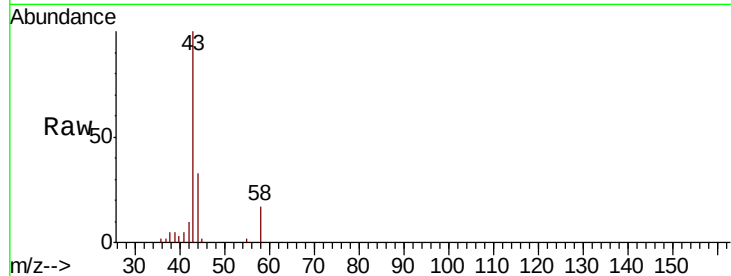
AOC2-02-D

Tot Ion: 43 Resp: 63047

Ion Ratio Lower Upper

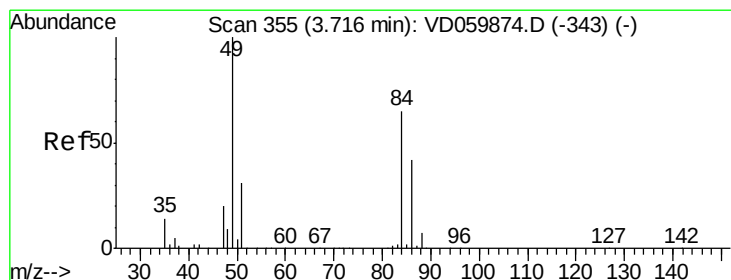
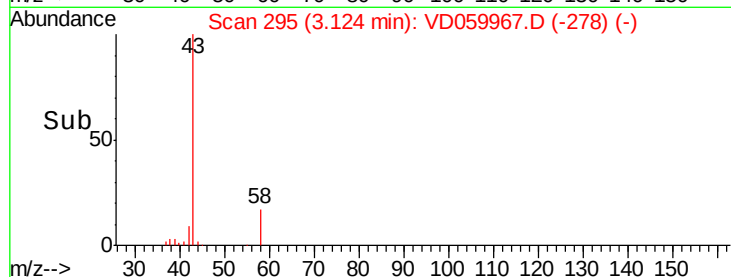
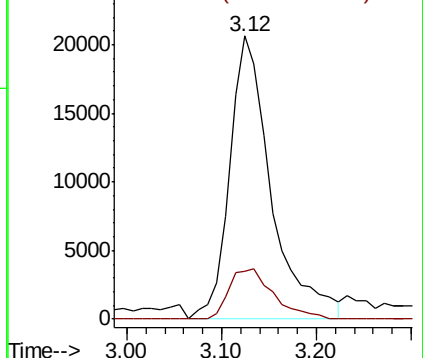
43 100

58 16.9 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: 7.79 ug/l

RT: 3.68 min Scan# 351

Delta R.T. -0.04 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Tgt Ion: 84 Resp: 144727

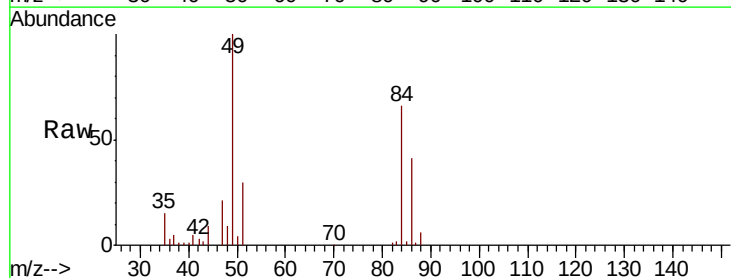
Ion Ratio Lower Upper

84 100

49 151.7 122.6 183.8

51 46.1 38.4 57.6

86 61.6 51.5 77.3

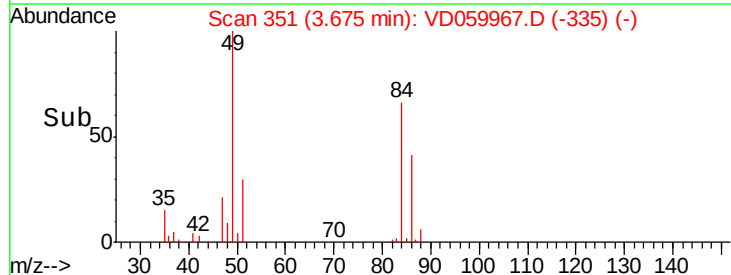
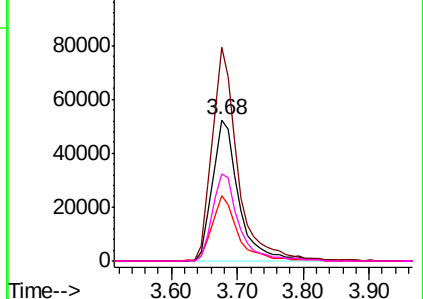


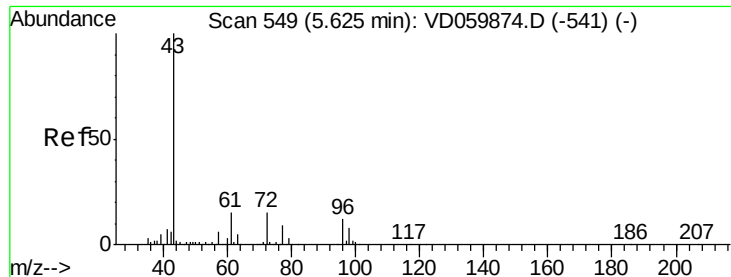
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.74 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampled :

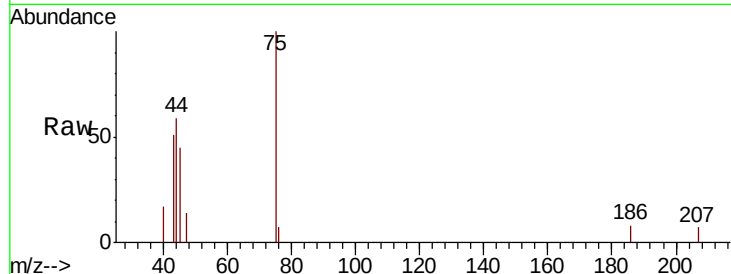
AOC2-02-D

Tot Ion: 43 Resp: 10218

Ion Ratio Lower Upper

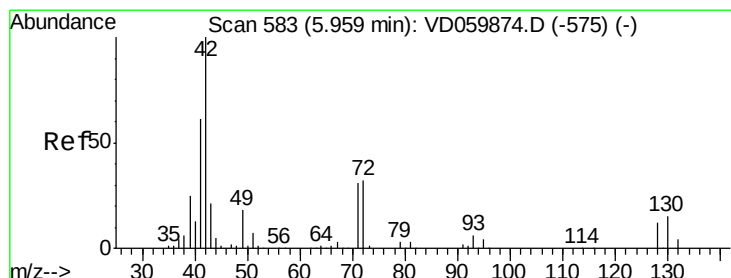
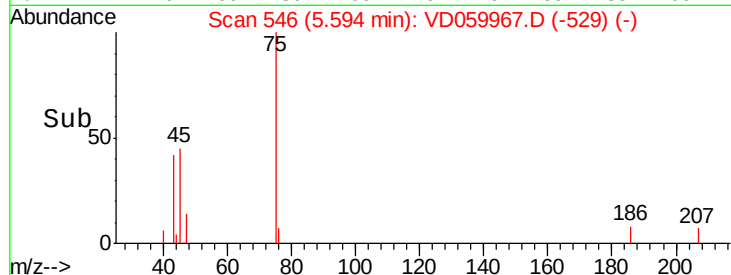
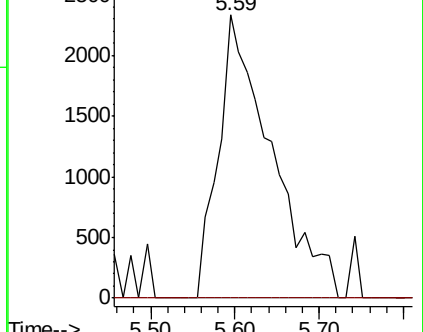
43 100

72 0.0 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: 1.51 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

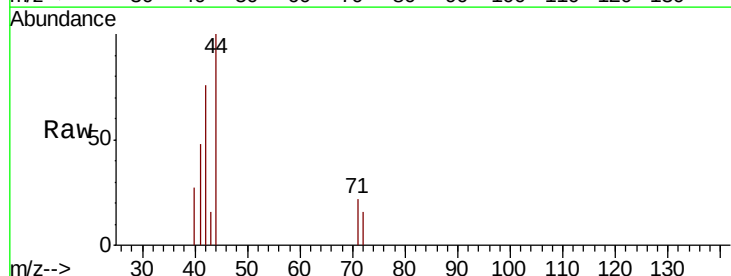
Tgt Ion: 42 Resp: 4212

Ion Ratio Lower Upper

42 100

72 9.7 25.7 38.5#

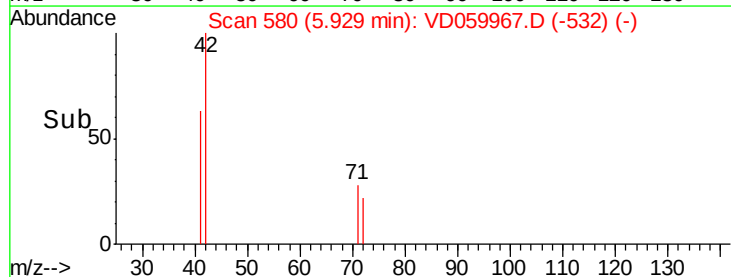
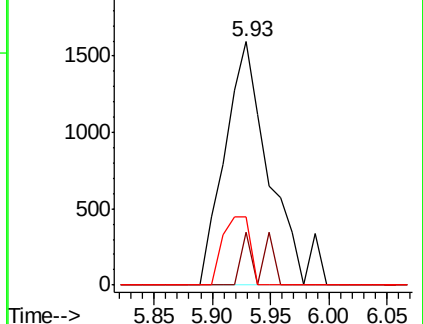
71 17.1 25.3 37.9#

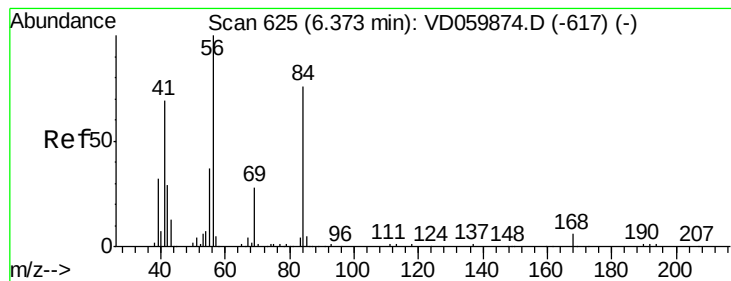


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.20 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-D

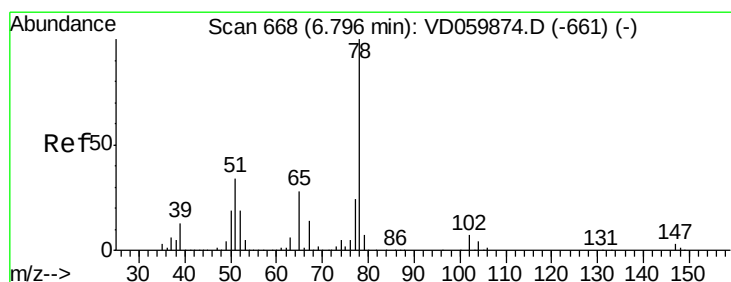
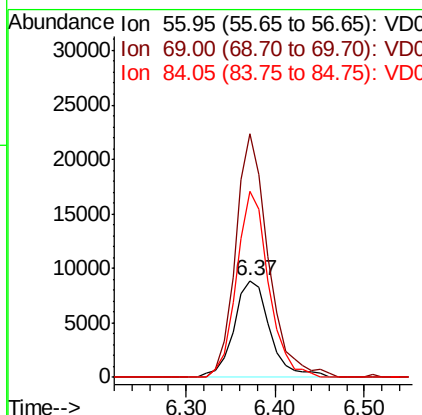
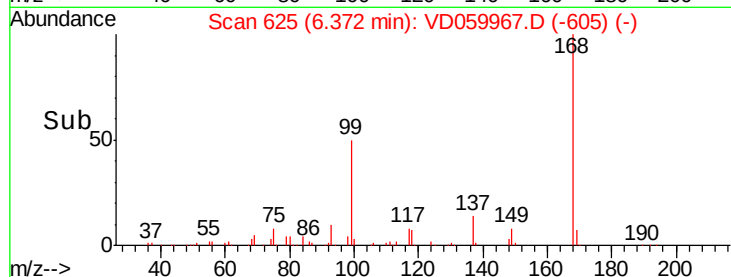
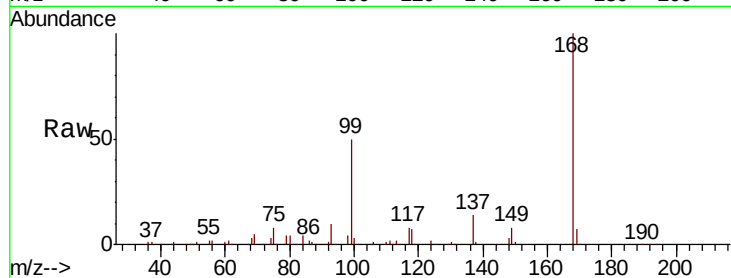
Tot Ion: 56 Resp: 24860

Ion Ratio Lower Upper

56 100

69 252.3 22.4 33.6#

84 192.5 62.1 93.1#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059967.D

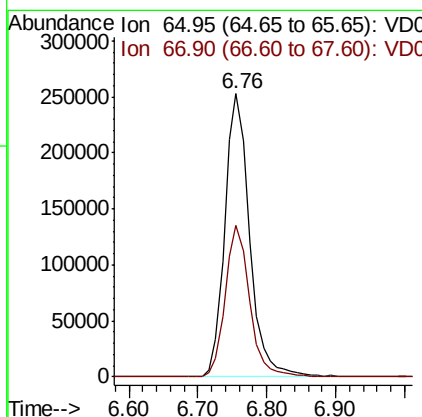
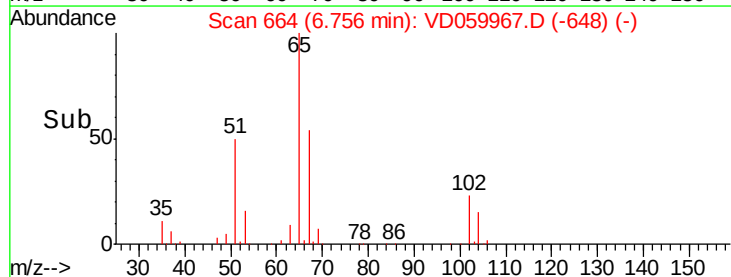
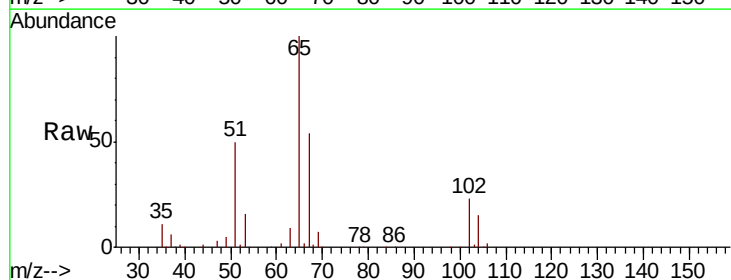
Acq: 5 Sep 2018 14:13

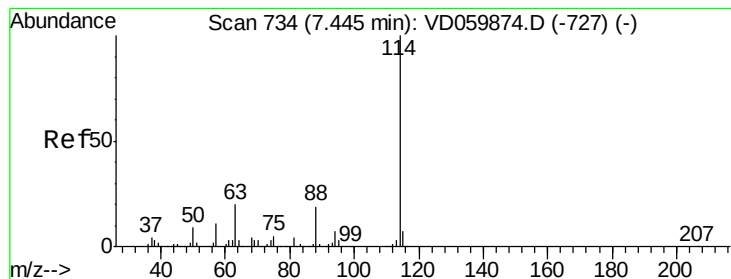
Tgt Ion: 65 Resp: 629354

Ion Ratio Lower Upper

65 100

67 53.7 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: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-D

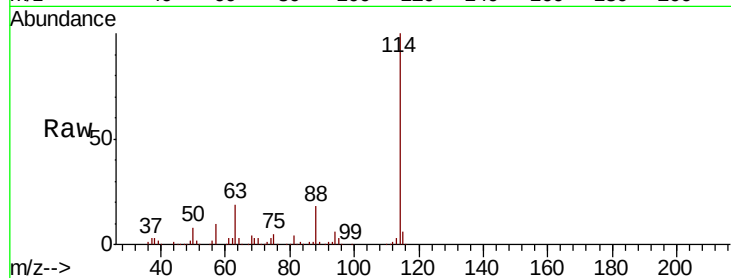
Tot Ion:114 Resp: 1869593

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

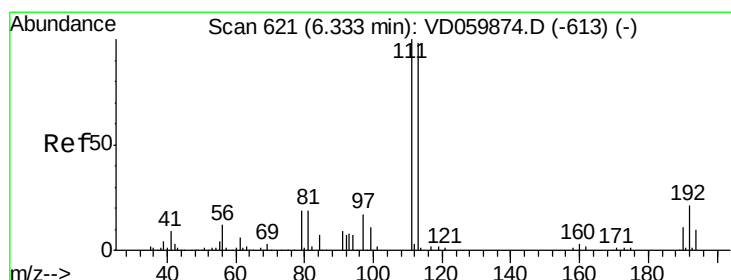
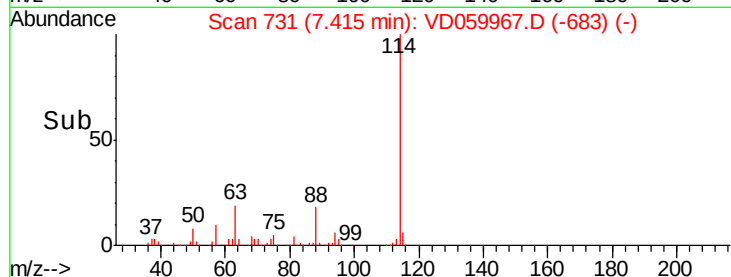
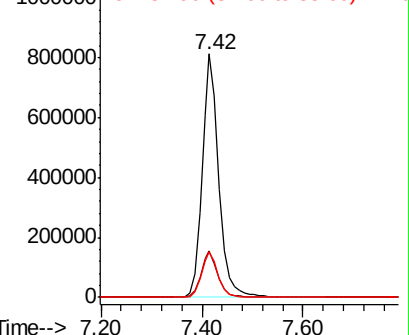
88 18.5 0.0 37.6



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: 50.00 ug/l

RT: 6.29 min Scan# 617

Delta R.T. -0.04 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

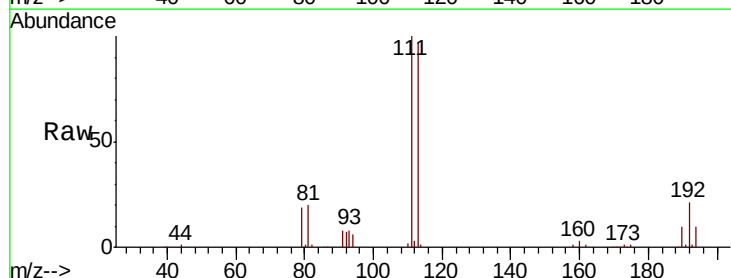
Tgt Ion:113 Resp: 752460

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

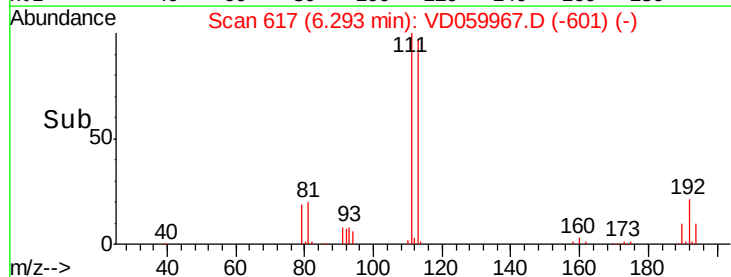
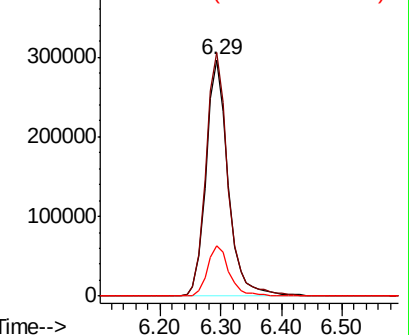
192 21.3 17.0 25.6

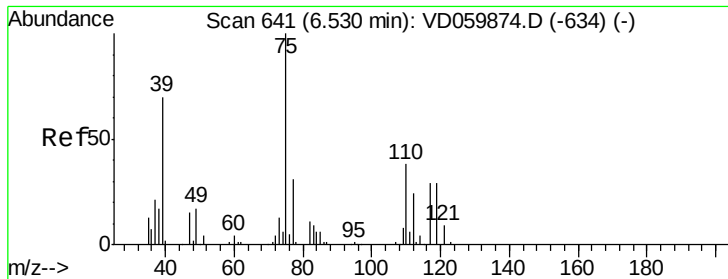


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

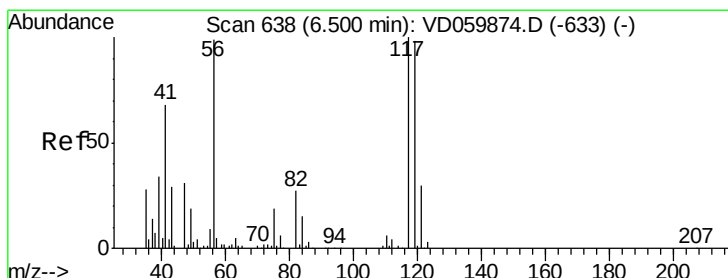
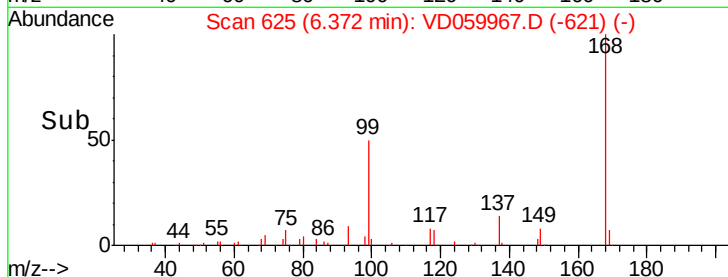
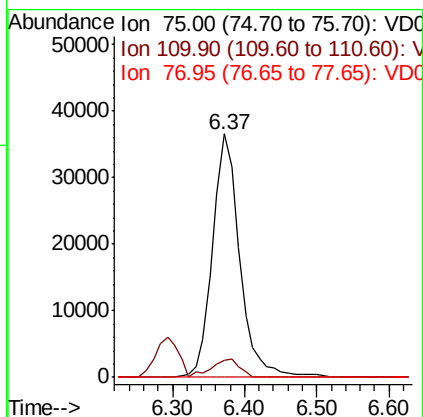
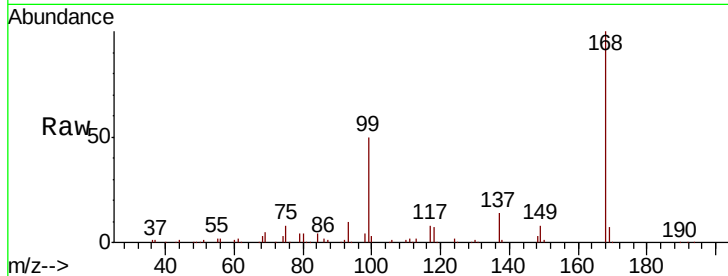




#36
 1,1-Dichloropropene
 Concen: 5.61 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.16 min
 Lab File: VD059967.D
 Acq: 5 Sep 2018 14:13

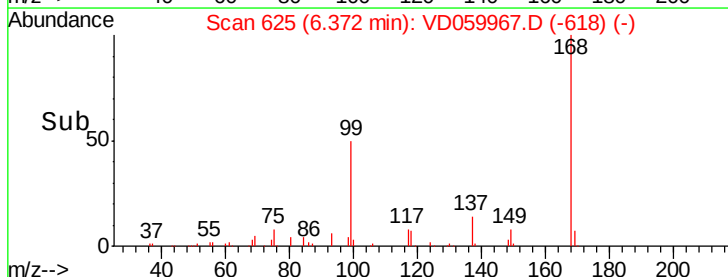
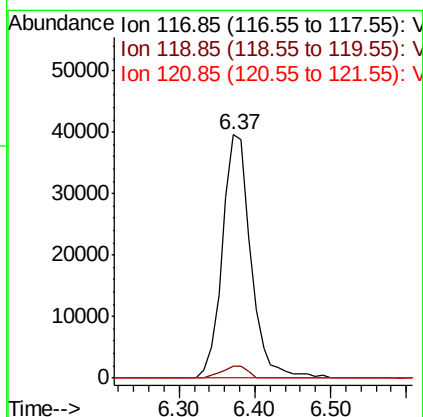
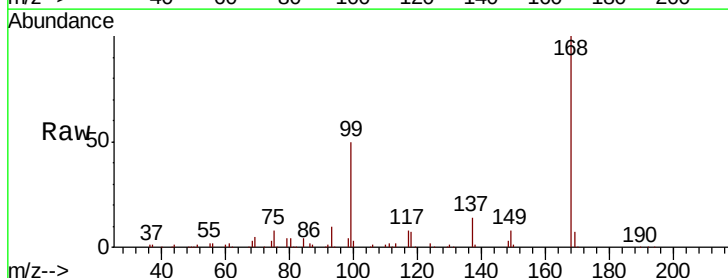
Instrument :
 MSVOA_D
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 AOC2-02-D

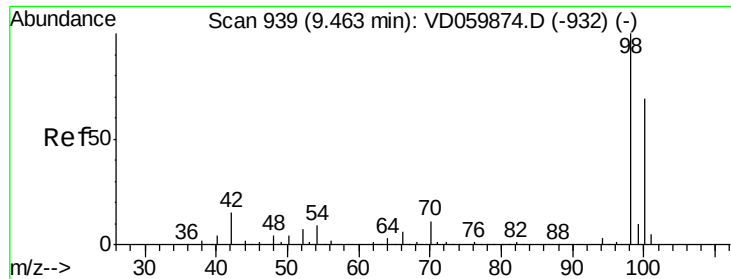
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.6	56.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.02 ug/l
 RT: 6.37 min Scan# 625
 Delta R.T. -0.13 min
 Lab File: VD059967.D
 Acq: 5 Sep 2018 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.2	115.8#
121	0.0	24.0	36.0#

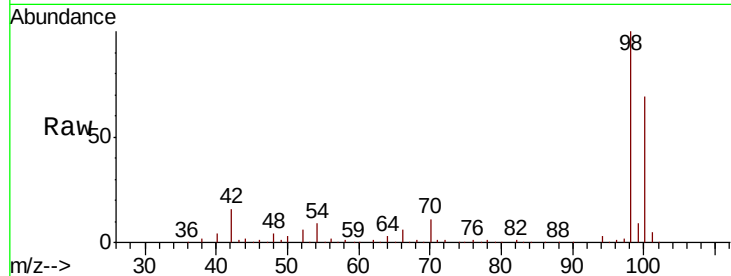




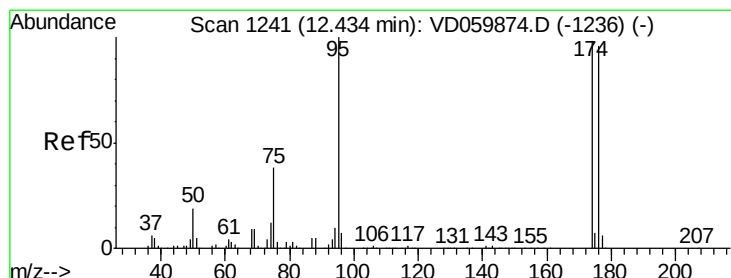
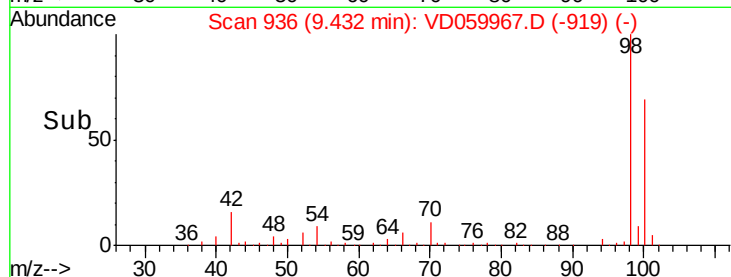
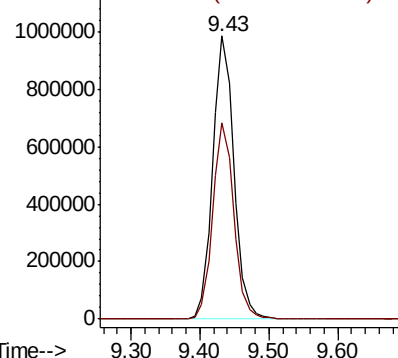
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059967.D
Acq: 5 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampled :
AOC2-02-D

Tot Ion: 98 Resp: 2102888
Ion Ratio Lower Upper
98 100
100 69.4 55.8 83.6

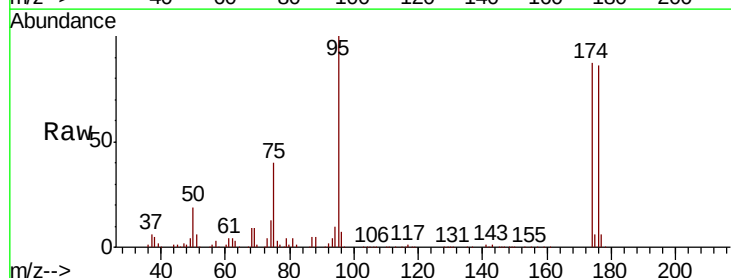


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

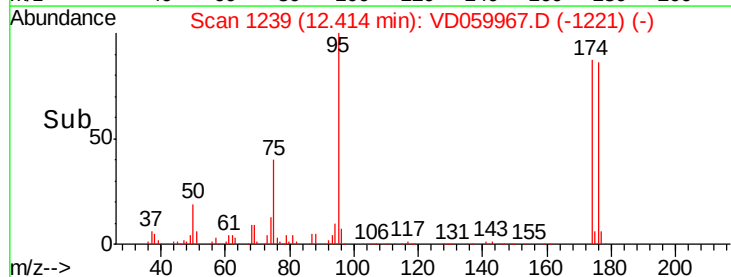
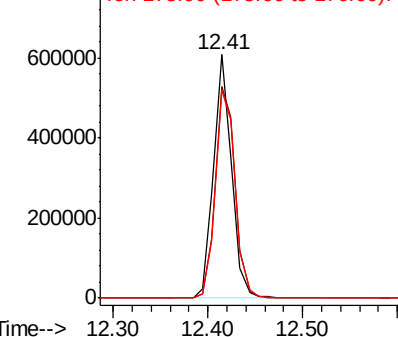


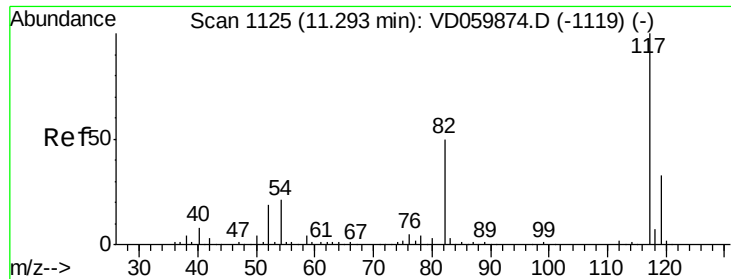
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1239
Delta R.T. -0.02 min
Lab File: VD059967.D
Acq: 5 Sep 2018 14:13

Tgt Ion: 95 Resp: 795519
Ion Ratio Lower Upper
95 100
174 87.1 0.0 195.6
176 85.5 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

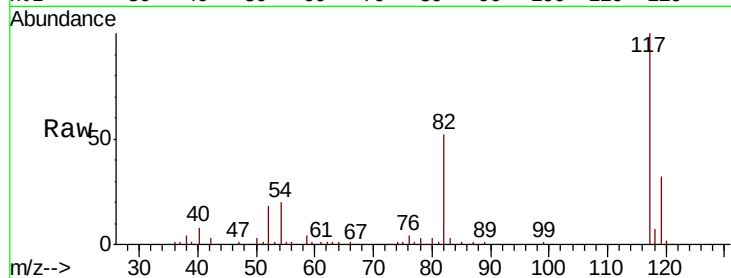




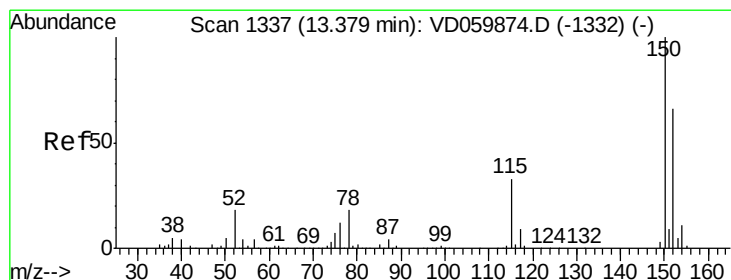
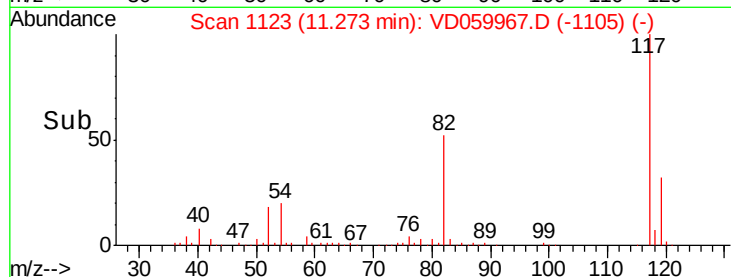
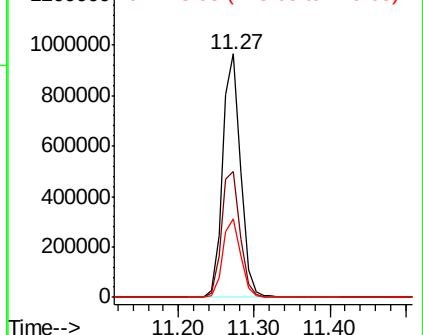
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059967.D
Acq: 5 Sep 2018 14:13

Instrument :
MSVOA_D
ClientSampleId :
AOC2-02-D

Tot Ion:117 Resp: 1586377
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 32.3 26.7 40.1

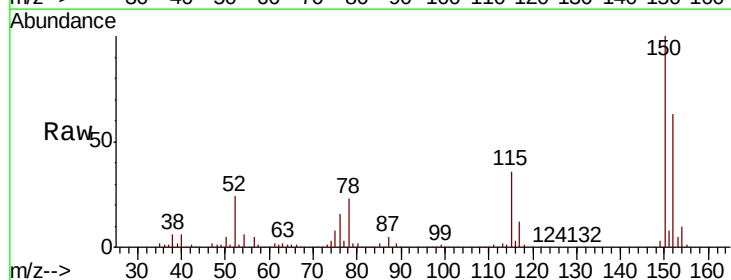


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

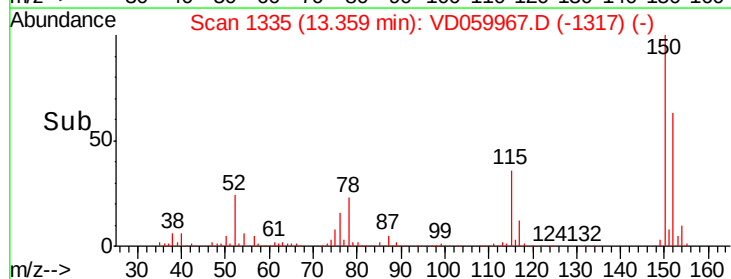
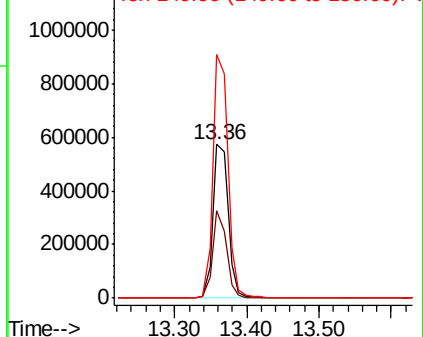


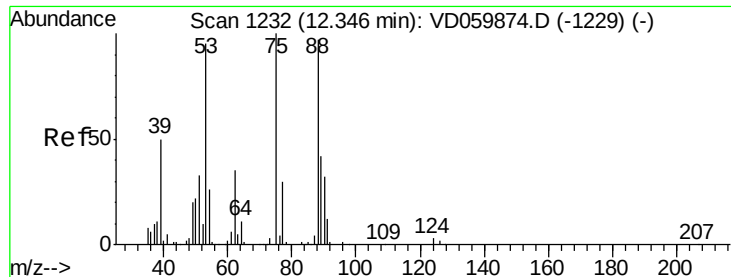
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059967.D
Acq: 5 Sep 2018 14:13

Tgt Ion:152 Resp: 833405
Ion Ratio Lower Upper
152 100
115 57.3 25.7 77.0
150 158.4 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: 80.00 ug/l

RT: 12.41 min Scan# 1239

Delta R.T. 0.07 min

Lab File: VD059967.D

Acq: 5 Sep 2018 14:13

Instrument :

MSVOA_D

ClientSampleId :

AOC2-02-D

Tot Ion: 75 Resp: 322340

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#

