

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012663.D
 Acq On : 06 Sep 2019 01:47
 Operator : SY/VA
 Sample : K4579-07
 Misc : 3.19G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A4-(3.5)

Quant Time: Sep 06 07:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	270979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	441701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115172	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	171816	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
35) Dibromofluoromethane	7.88	113	125456	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	10.32	98	519568	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.62	95	141627	37.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.16%	

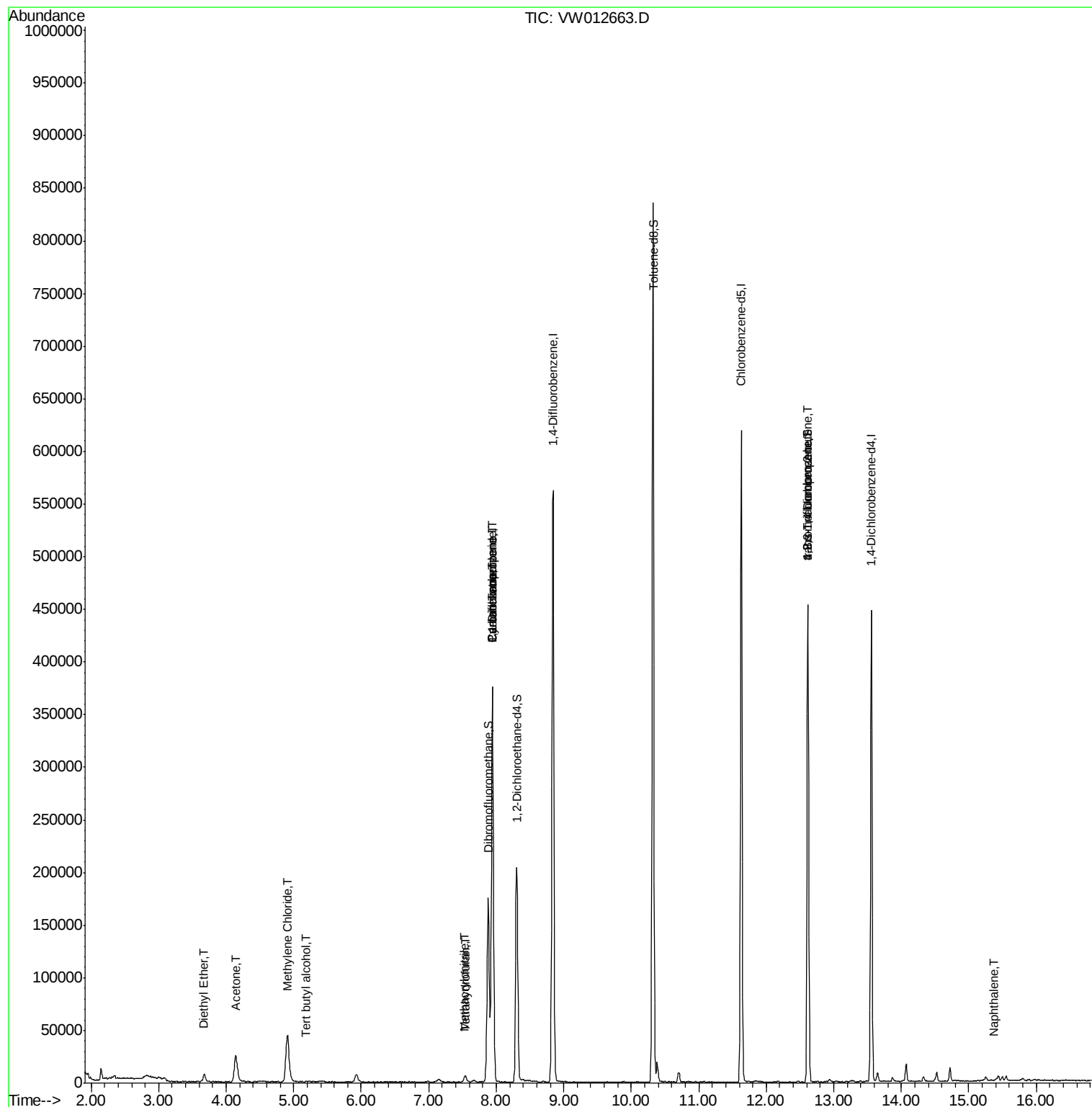
Target Compounds						Qvalue
8) Diethyl Ether	3.67	74	3654	2.423	ug/l	85
11) Tert butyl alcohol	5.18	59	292	1.506	ug/l #	91
16) Acetone	4.14	43	55789	67.752	ug/l	98
20) Methylene Chloride	4.91	84	33554	10.779	ug/l	97
29) Tetrahydrofuran	7.54	42	5211	7.762	ug/l	95
31) Cyclohexane	7.95	56	6740	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22318	4.890	ug/l #	53
38) Carbon Tetrachloride	7.95	117	27823	7.043	ug/l #	17
41) Methacrylonitrile	7.53	41	1571	1.069	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	78055	69.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78055	152.572	ug/l #	6
95) Naphthalene	15.37	128	591	4.445	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012663.D

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MSVOA_W

ClientSampleId :

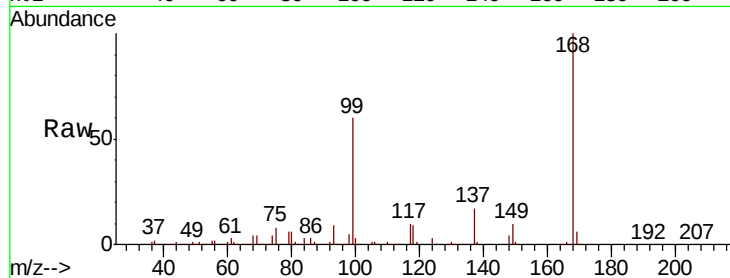
PAR-12-A4-(3.5)

Tgt Ion:168 Resp: 270979

Ion Ratio Lower Upper

168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

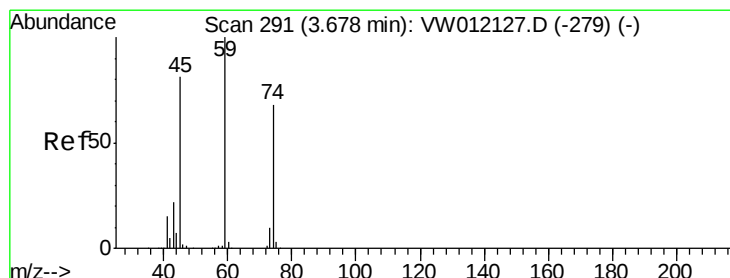
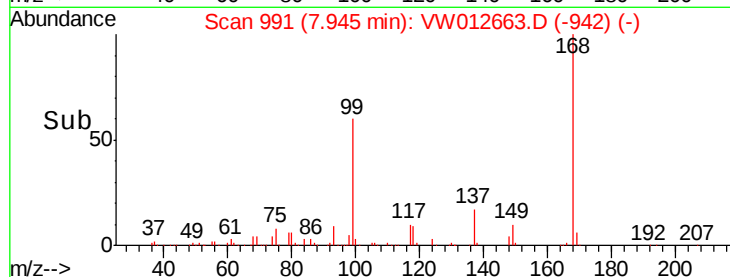
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.423 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012663.D

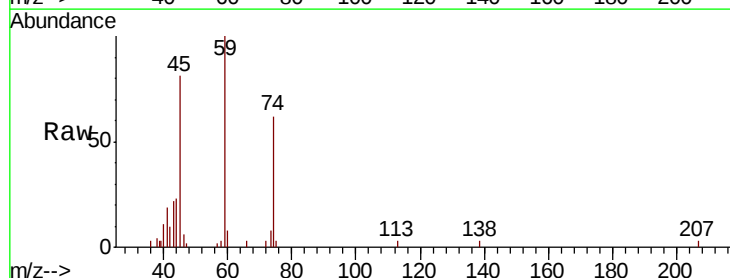
Acq: 06 Sep 2019 01:47

Tgt Ion: 74 Resp: 3654

Ion Ratio Lower Upper

74 100

45 134.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2000

1500

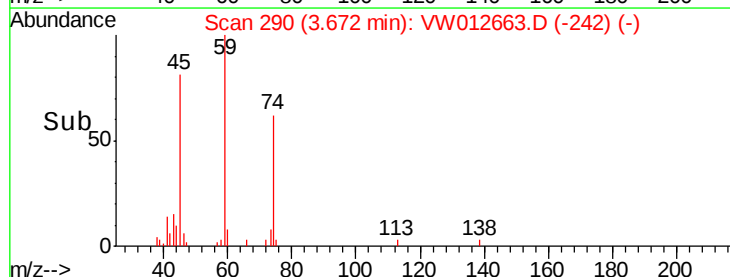
1000

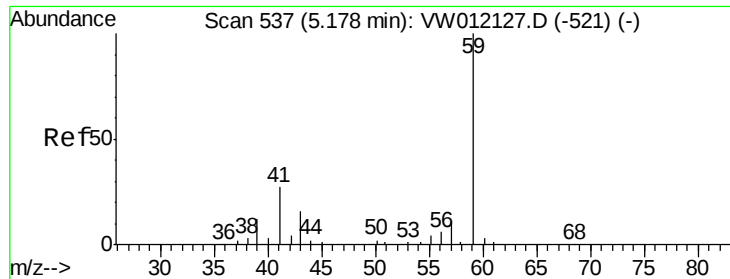
500

0

3.60 3.65 3.70 3.75

Time-->

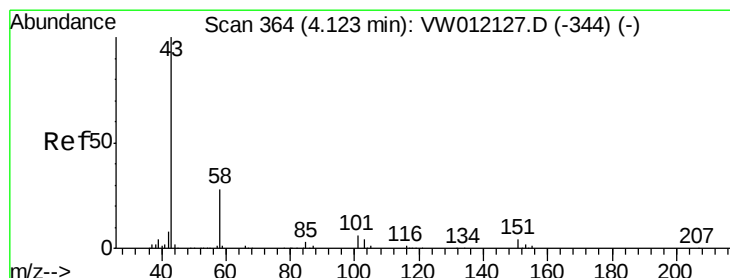
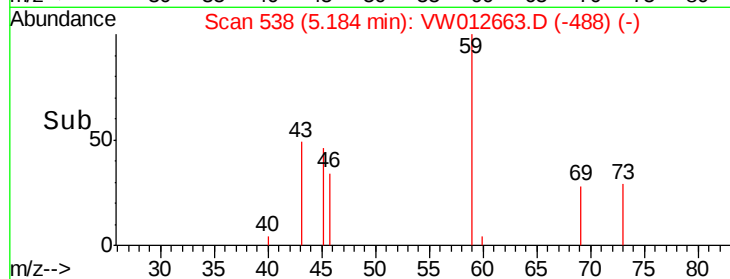
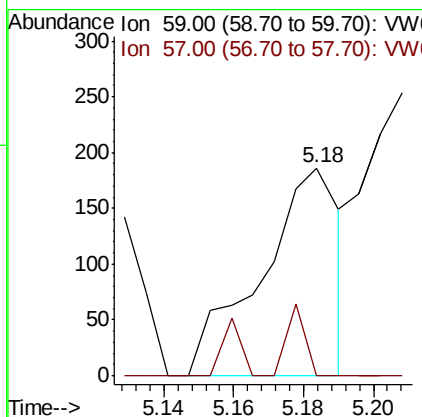
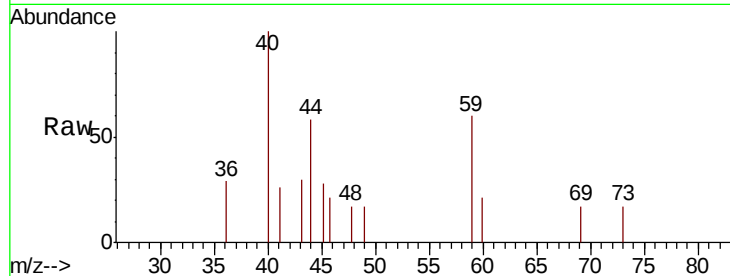




#11
Tert butyl alcohol
Concen: 1.506 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

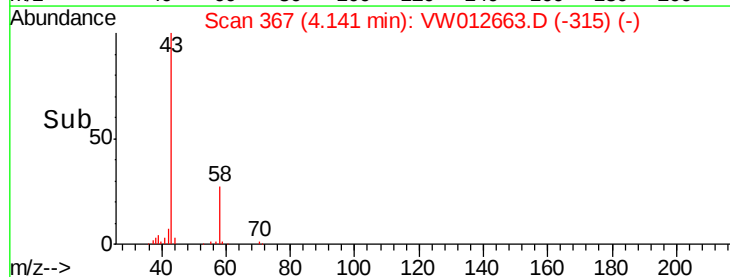
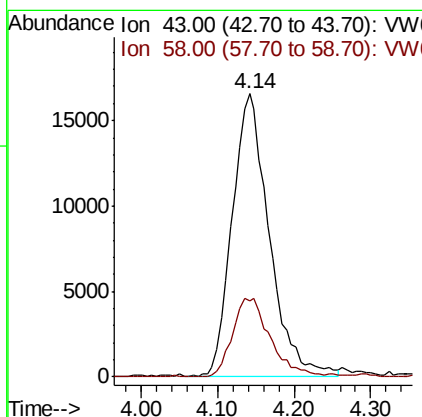
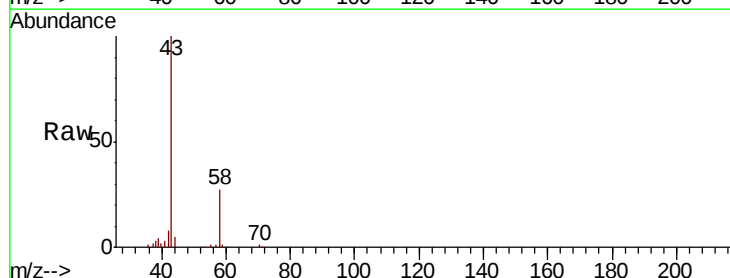
Instrument :
MSVOA_W
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PAR-12-A4-(3.5)

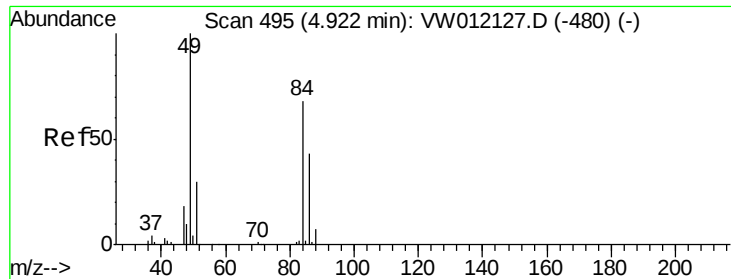
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 7.9 9.0 13.4#



#16
Acetone
Concen: 67.752 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Tgt Ion: 43 Resp: 55789
Ion Ratio Lower Upper
43 100
58 26.7 22.4 33.6

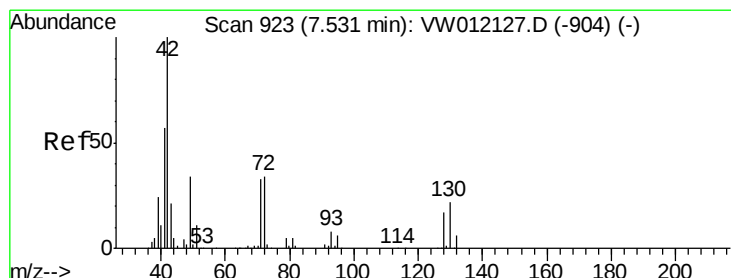
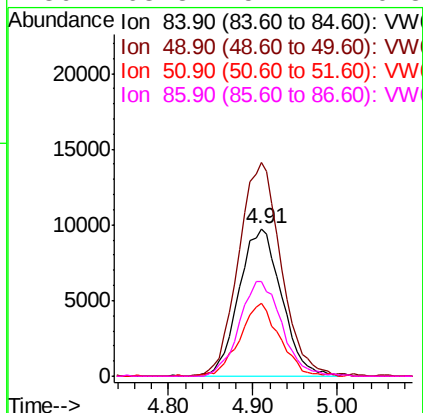
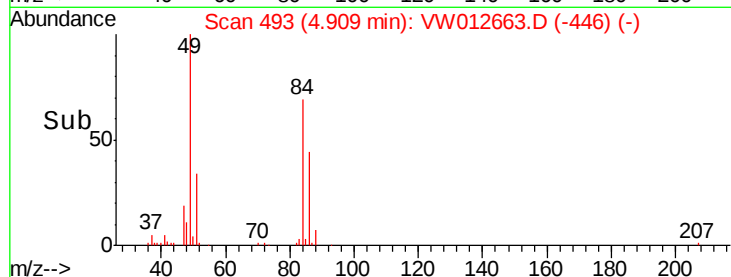
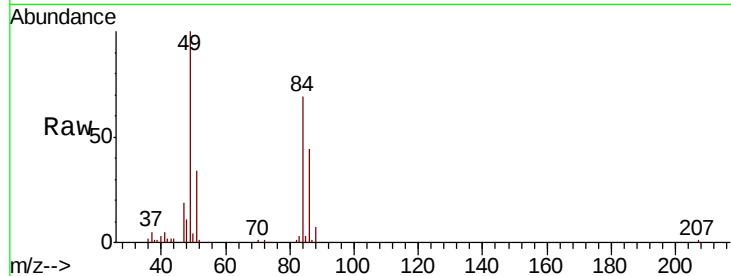




#20
Methylene Chloride
Concen: 10.779 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

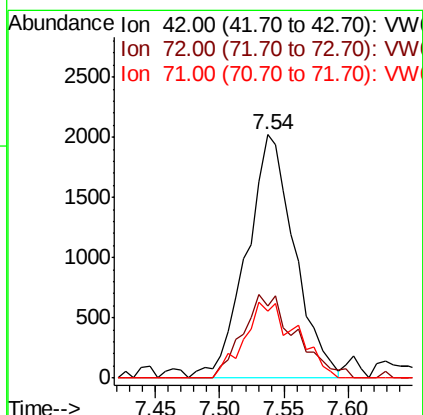
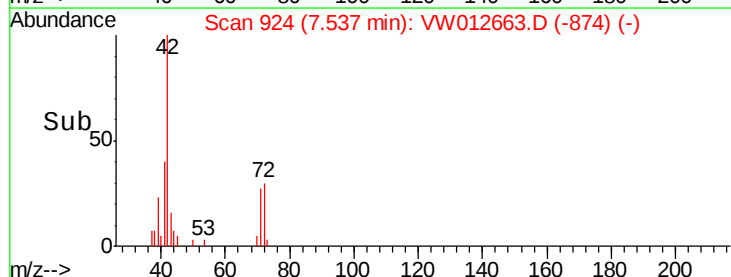
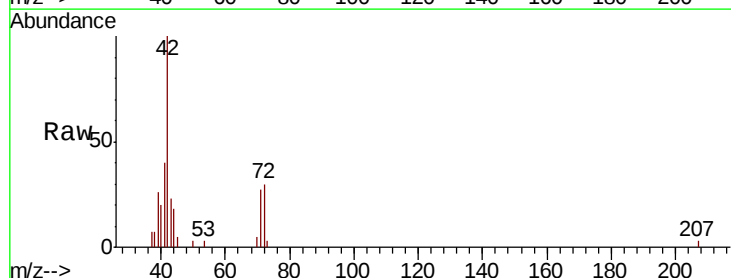
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(3.5)

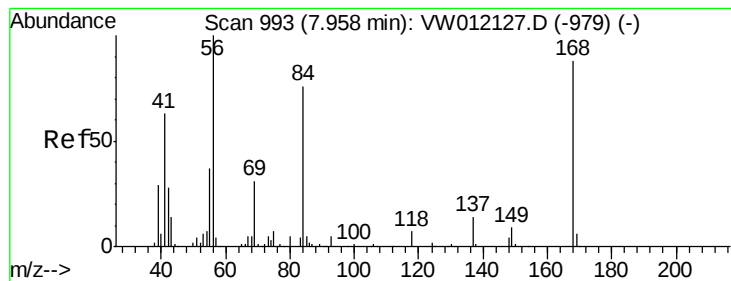
Tgt Ion: 84 Resp: 33554
Ion Ratio Lower Upper
84 100
49 144.6 117.8 176.8
51 49.7 35.6 53.4
86 63.8 51.2 76.8



#29
Tetrahydrofuran
Concen: 7.762 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Tgt Ion: 42 Resp: 5211
Ion Ratio Lower Upper
42 100
72 37.7 27.3 40.9
71 34.0 25.5 38.3





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012663.D

Acq: 06 Sep 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A4-(3.5)

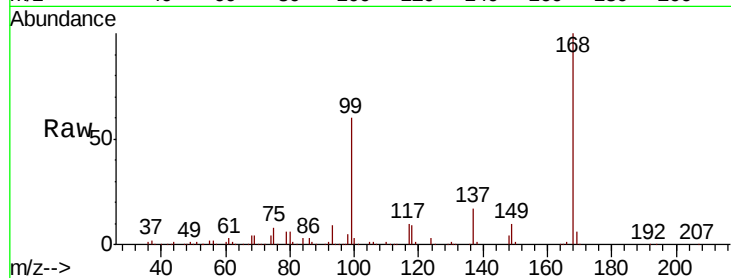
Tgt Ion: 56 Resp: 6740

Ion Ratio Lower Upper

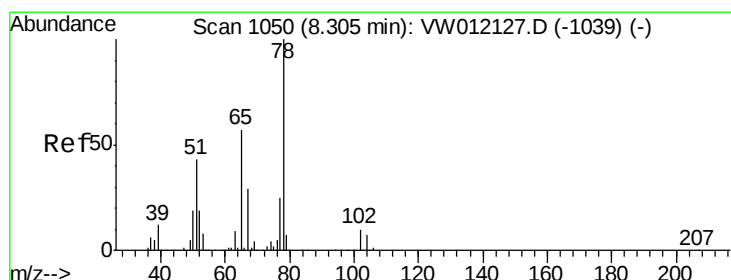
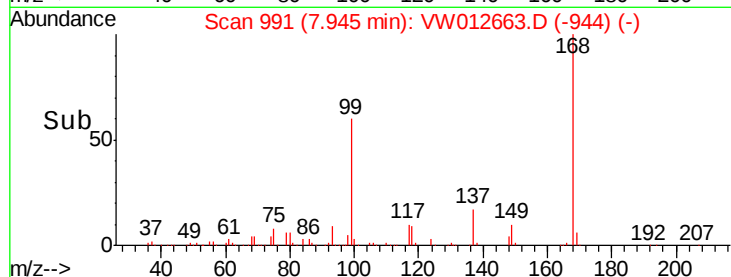
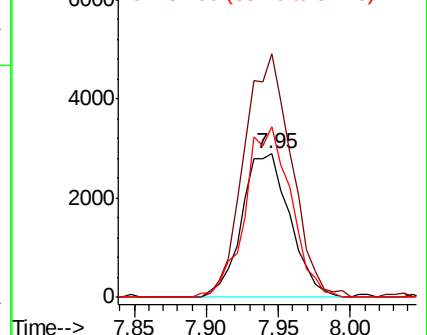
56 100

69 169.6 24.9 37.3#

84 118.7 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 53.338 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012663.D

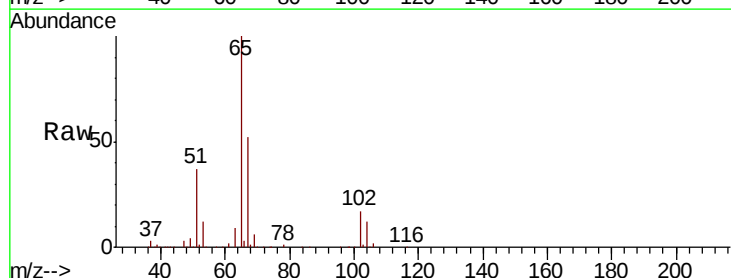
Acq: 06 Sep 2019 01:47

Tgt Ion: 65 Resp: 171816

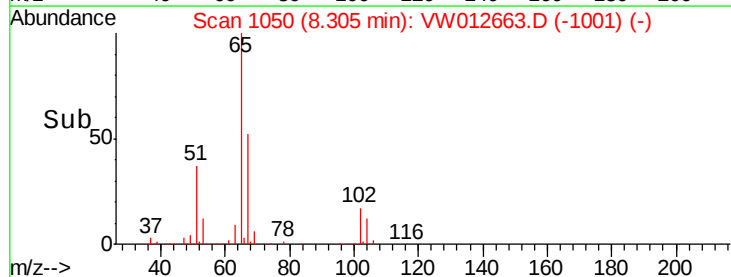
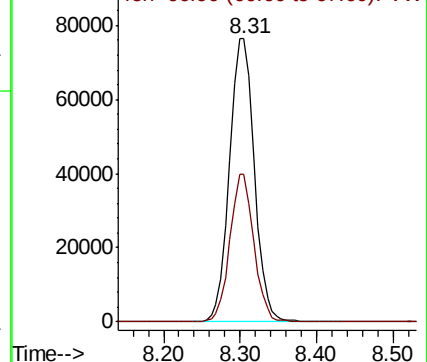
Ion Ratio Lower Upper

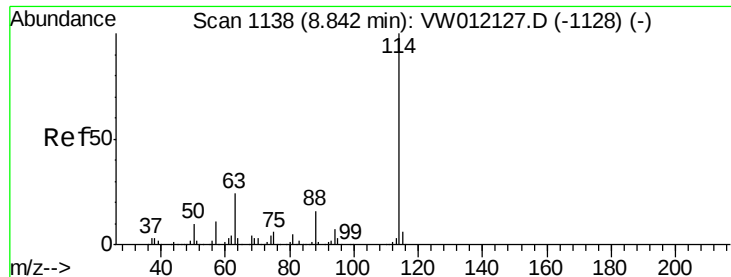
65 100

67 50.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

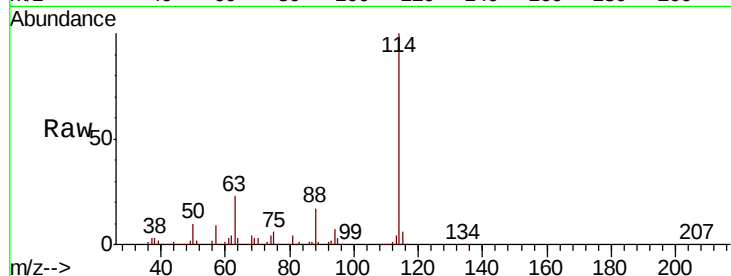




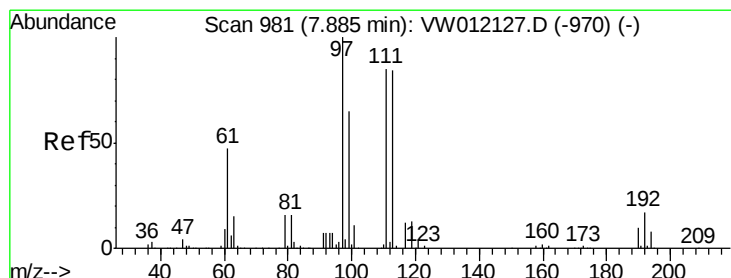
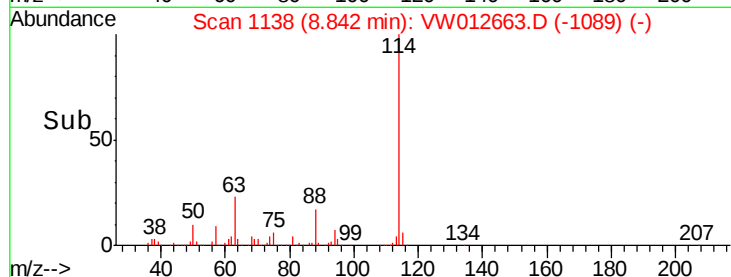
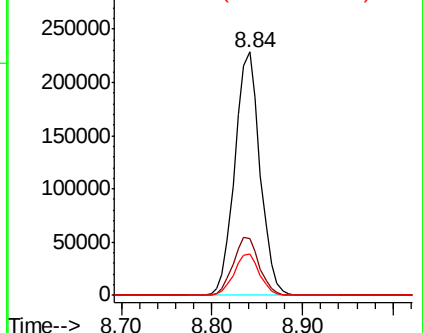
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012663.D
 Acq: 06 Sep 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A4-(3.5)

Tgt Ion:114 Resp: 441701
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 16.8 0.0 32.2

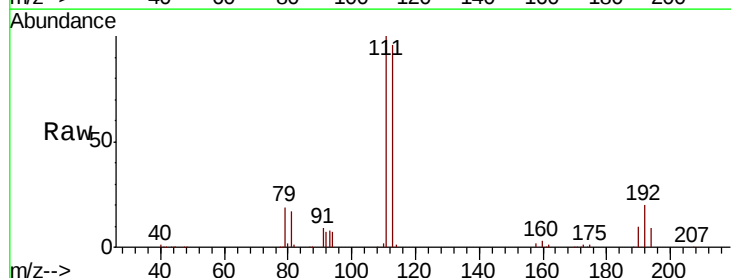


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

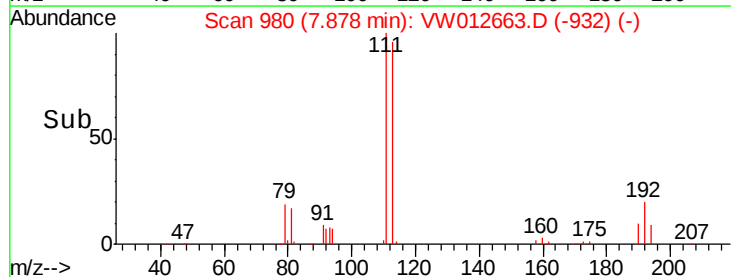
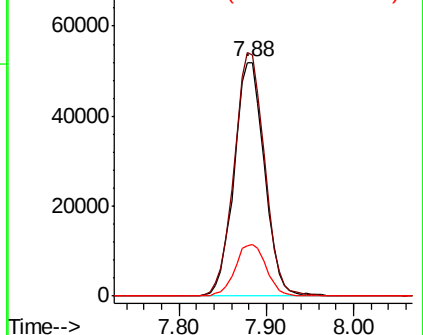


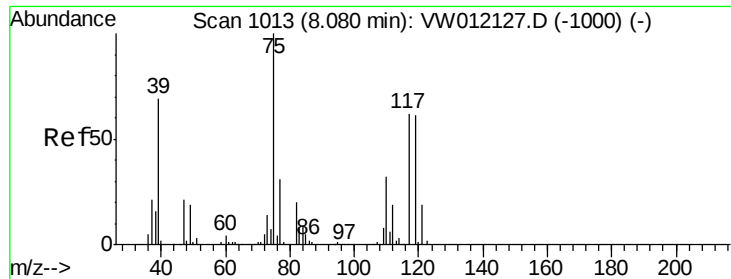
#35
 Dibromofluoromethane
 Concen: 47.584 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012663.D
 Acq: 06 Sep 2019 01:47

Tgt Ion:113 Resp: 125456
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.7 124.1
 192 22.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

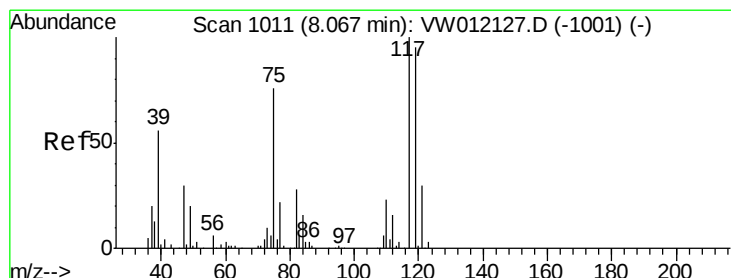
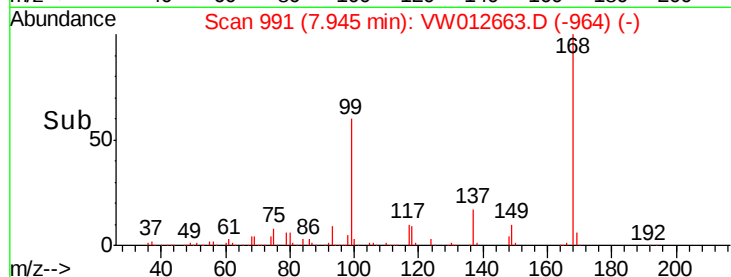
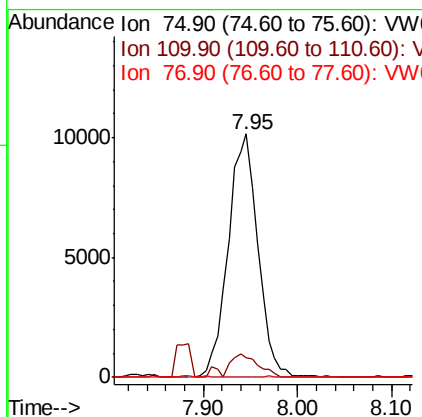
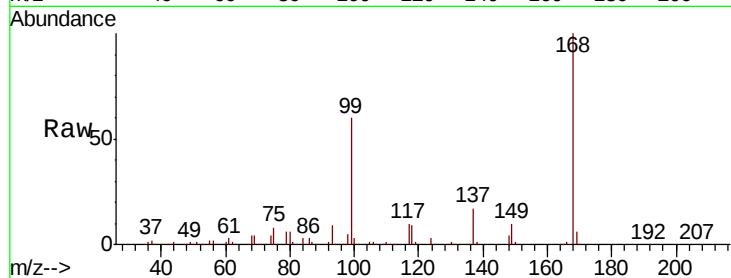




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012663.D
 Acq: 06 Sep 2019 01:47

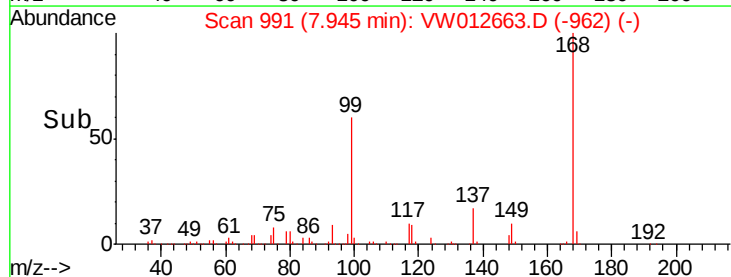
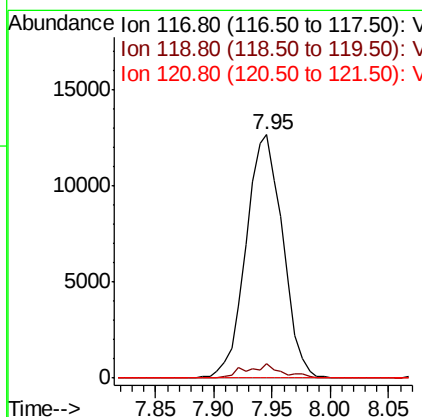
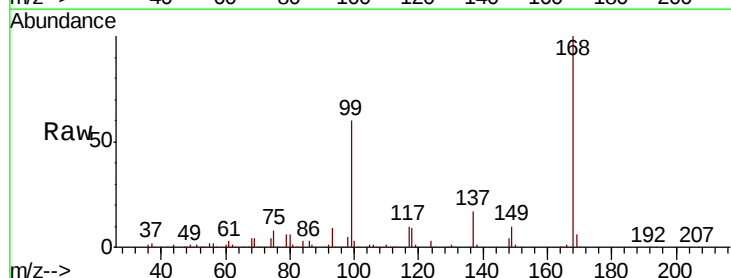
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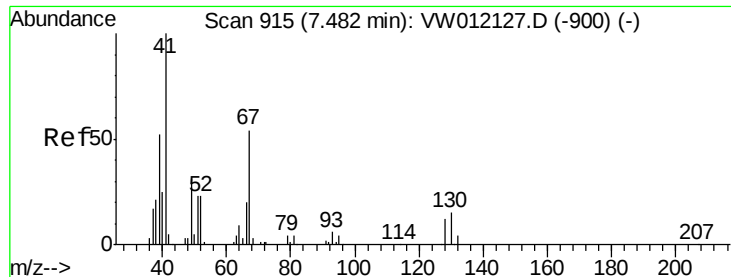
Tgt Ion: 75 Resp: 22318
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.043 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012663.D
 Acq: 06 Sep 2019 01:47

Tgt Ion: 117 Resp: 27823
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#

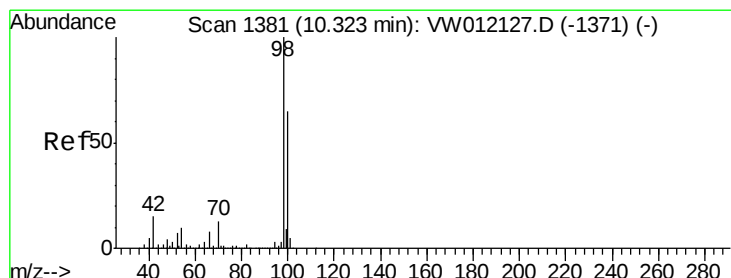
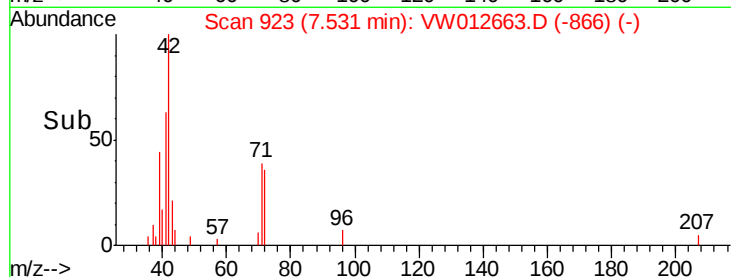
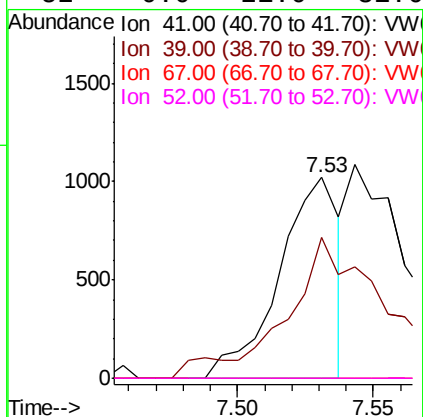
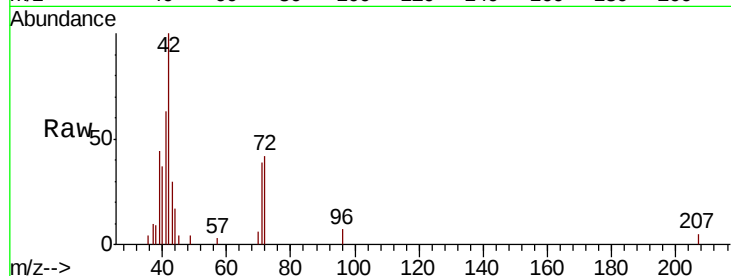




#41
Methacrylonitrile
Concen: 1.069 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

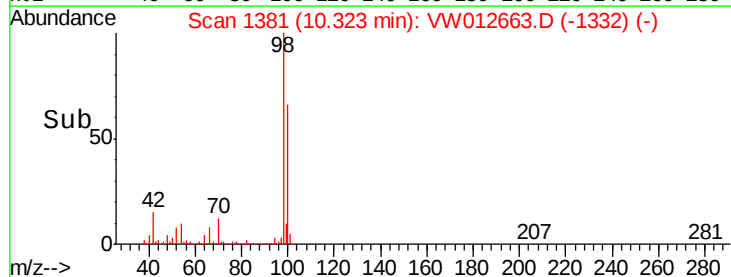
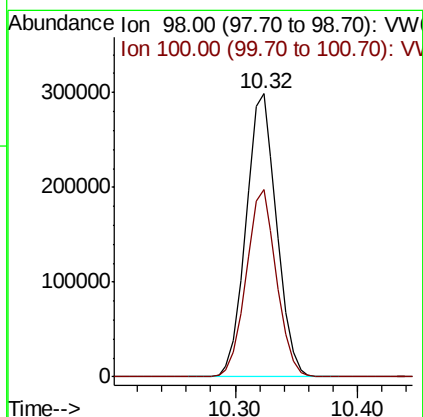
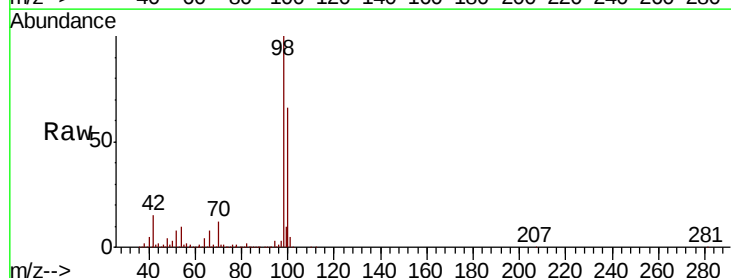
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(3.5)

Tgt Ion: 41 Resp: 1571
Ion Ratio Lower Upper
41 100
39 126.7 45.8 68.8#
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#50
Toluene-d8
Concen: 48.602 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Tgt Ion: 98 Resp: 519568
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

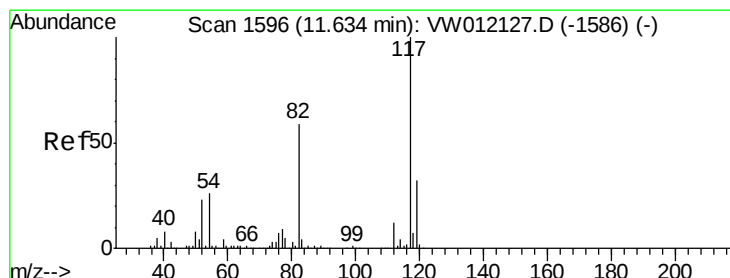
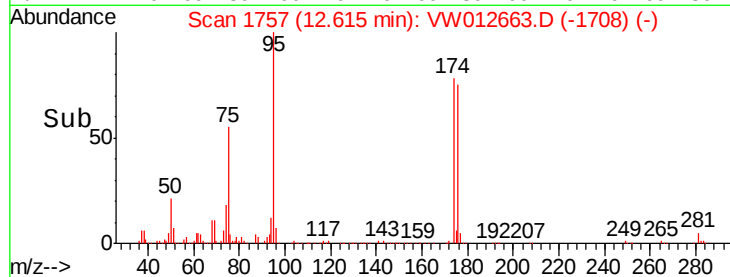
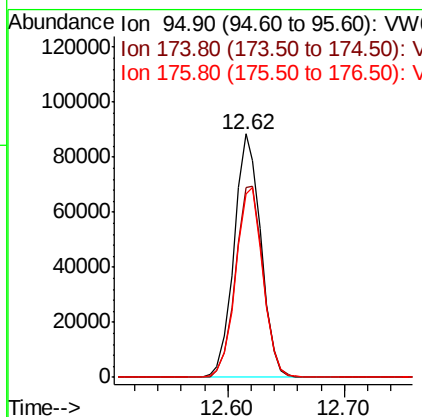
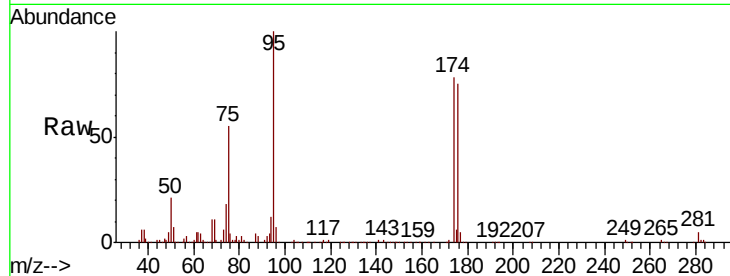




#62
4-Bromofluorobenzene
Concen: 37.583 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

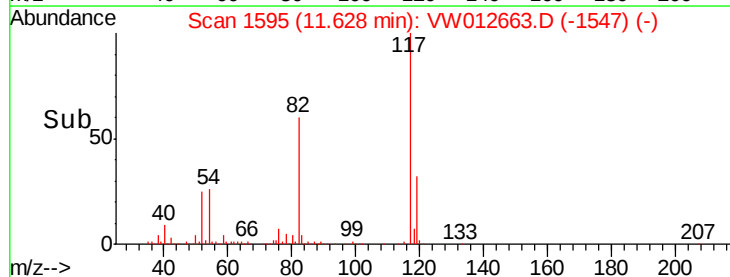
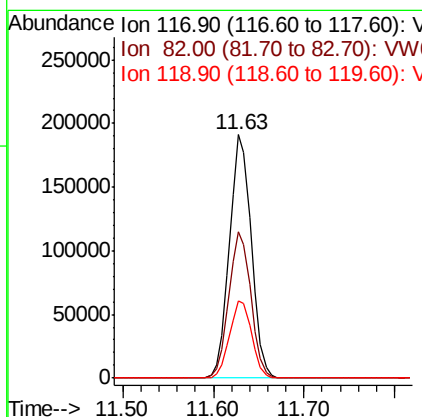
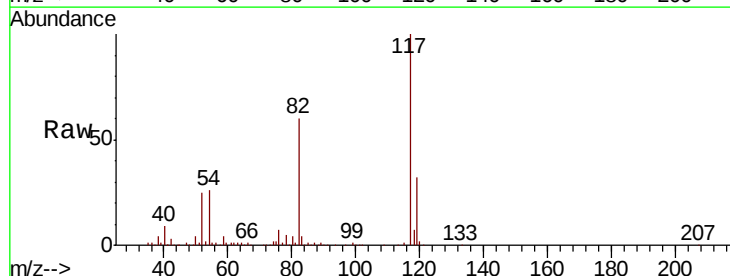
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(3.5)

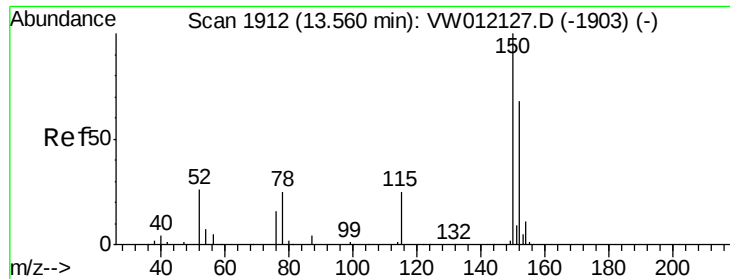
Tgt Ion: 95 Resp: 141627
Ion Ratio Lower Upper
95 100
174 81.1 0.0 150.8
176 79.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Tgt Ion: 117 Resp: 320129
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 31.7 25.4 38.2



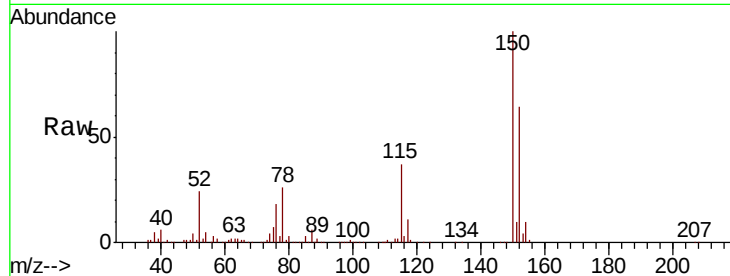


#72

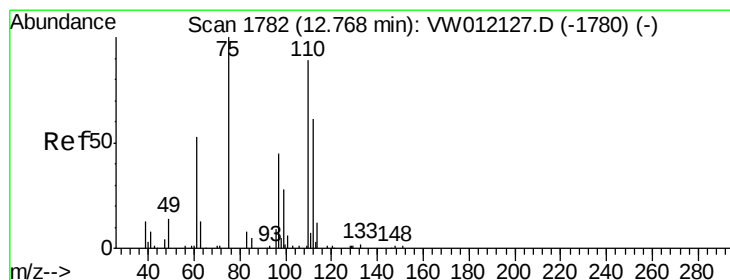
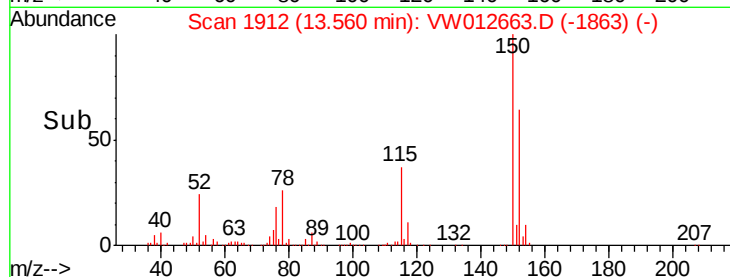
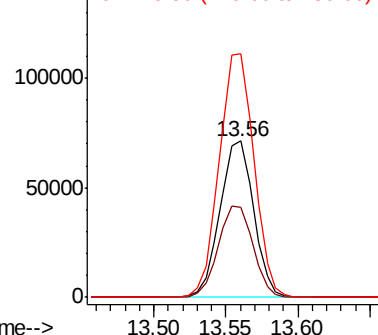
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(3.5)

Tgt Ion:152 Resp: 115172
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 160.3 0.0 345.8



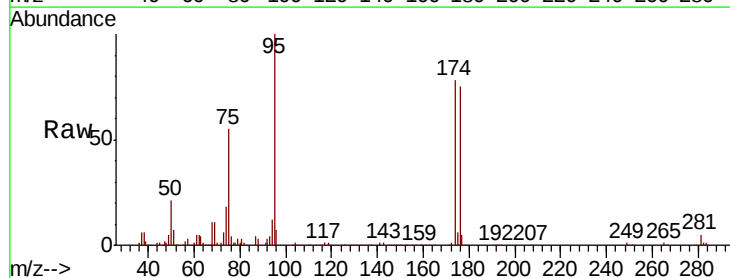
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



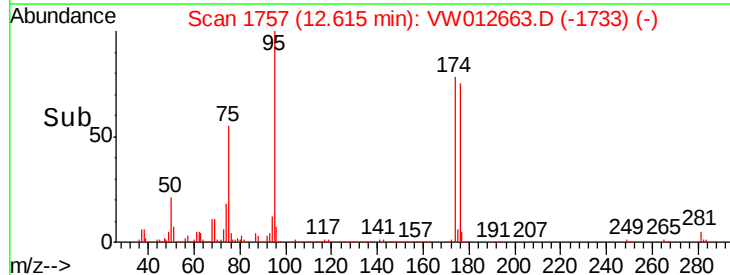
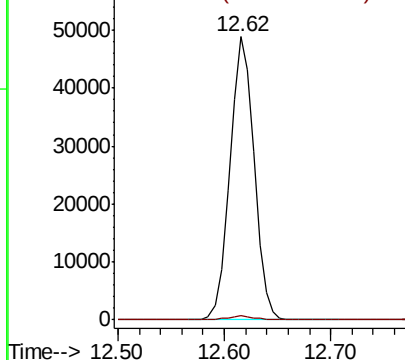
#76

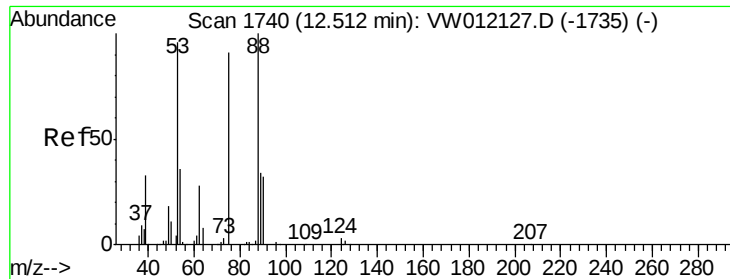
1,2,3-Trichloropropane
Concen: 69.587 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012663.D
Acq: 06 Sep 2019 01:47

Tgt Ion: 75 Resp: 78055
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 152.572 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012663.D

Acq: 06 Sep 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A4-(3.5)

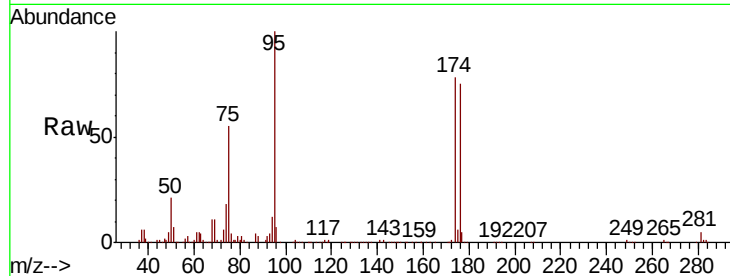
Tgt Ion: 75 Resp: 78055

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

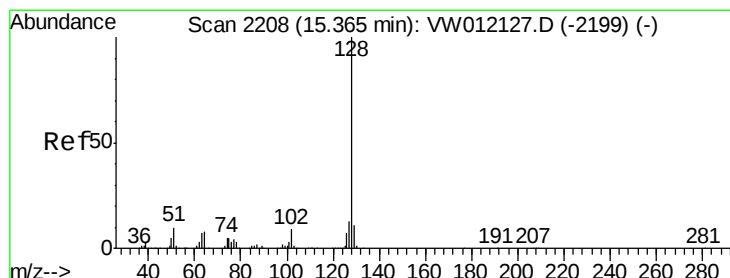
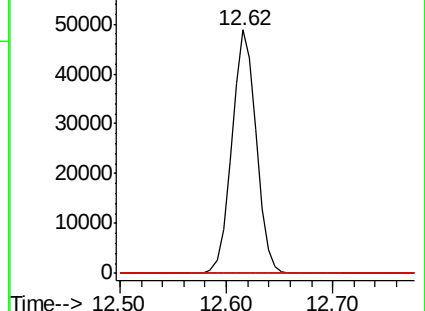
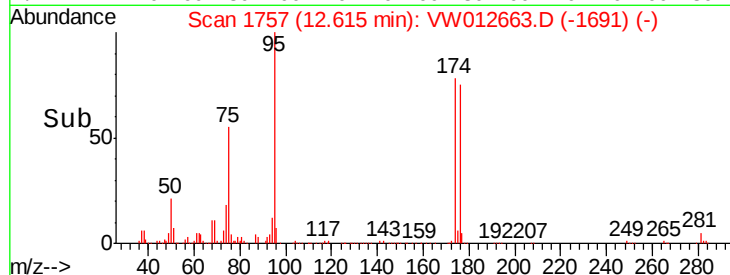
89 0.1 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.445 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012663.D

Acq: 06 Sep 2019 01:47

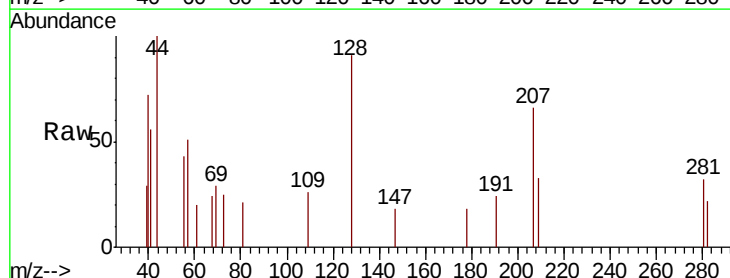
Tgt Ion: 128 Resp: 591

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

