

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012665.D
 Acq On : 06 Sep 2019 02:39
 Operator : SY/VA
 Sample : K4579-10
 Misc : 2.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B2-(0)

Quant Time: Sep 06 07:58:30 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	246806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	129824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	156011	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	7.88	113	119434	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	10.32	98	466006	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	12.62	95	143491	40.74	ug/l	0.00
Spiked Amount			Recovery	=	81.48%	

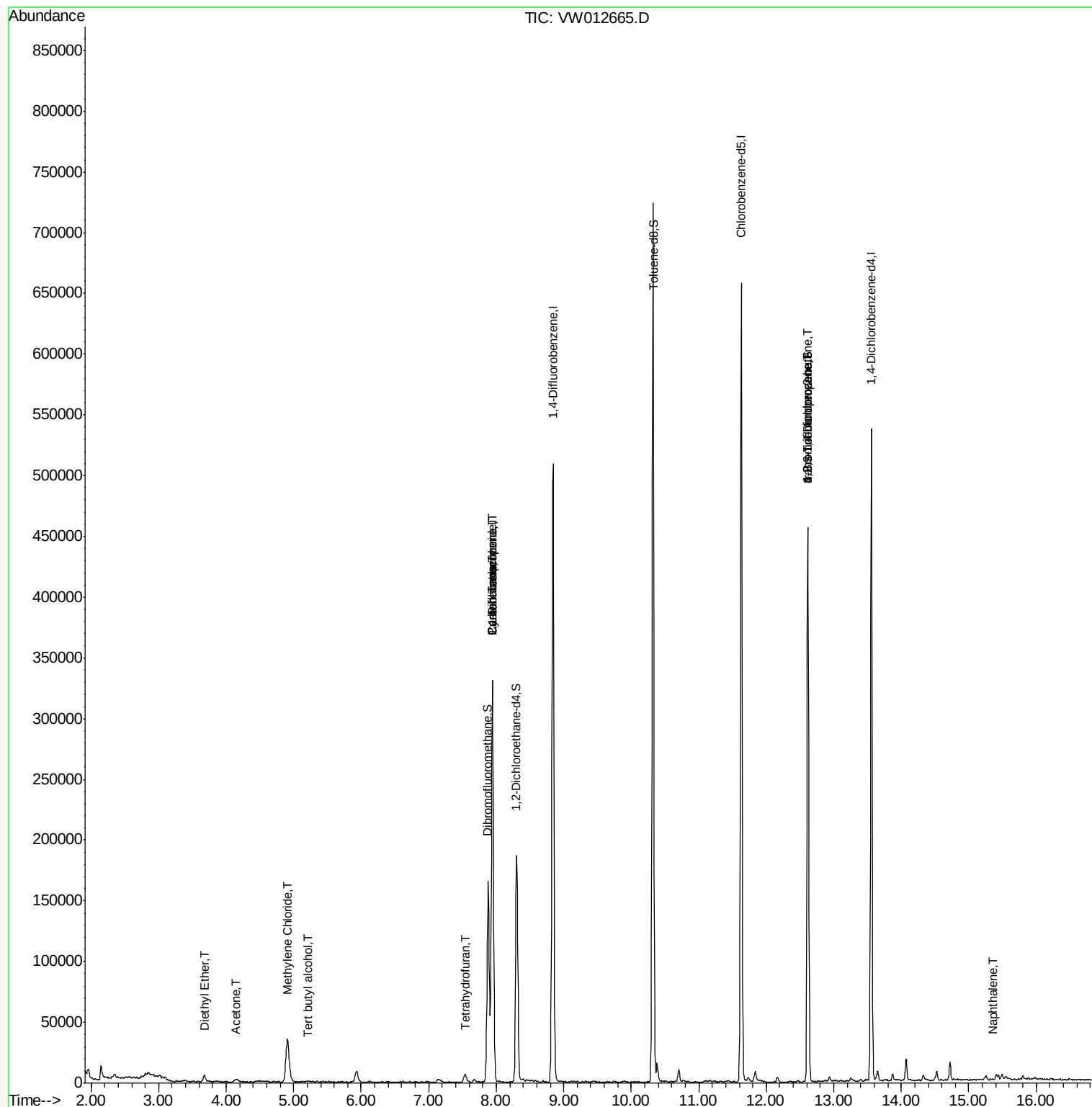
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2813	2.048	ug/l	98
11) Tert butyl alcohol	5.22	59	1334	7.555	ug/l #	82
16) Acetone	4.15	43	5872	7.830	ug/l	95
20) Methylene Chloride	4.90	84	26579	9.375	ug/l	93
29) Tetrahydrofuran	7.54	42	6074	9.934	ug/l	95
31) Cyclohexane	7.95	56	5808	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20635	4.837	ug/l #	52
38) Carbon Tetrachloride	7.94	117	24539	6.646	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	76520	60.519	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76520	132.690	ug/l #	6
95) Naphthalene	15.36	128	507	4.416	ug/l #	82

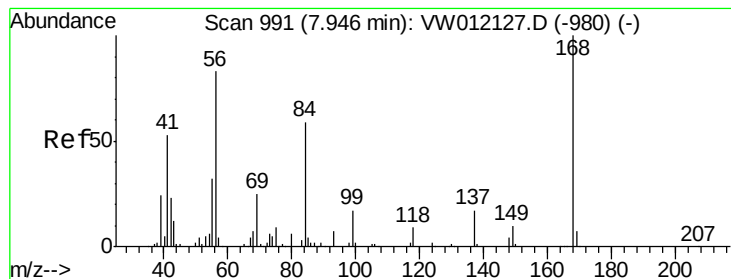
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
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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: VW012665.D

Acq: 06 Sep 2019 02:39

Instrument :

MSVOA_W

ClientSampleId :

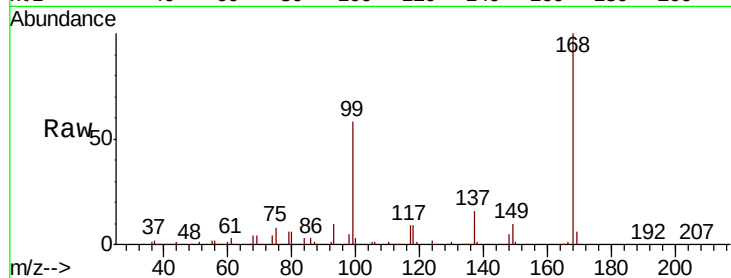
PAR-12-B2-(0)

Tgt Ion:168 Resp: 246806

Ion Ratio Lower Upper

168 100

99 58.1 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

120000

100000

80000

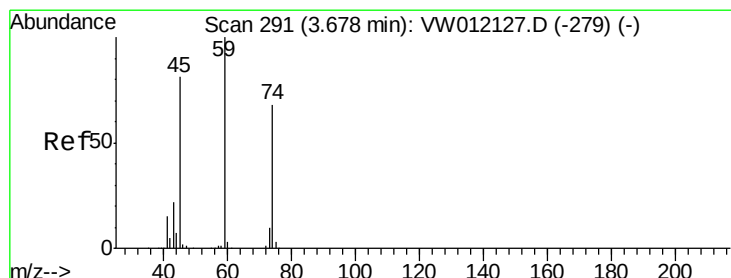
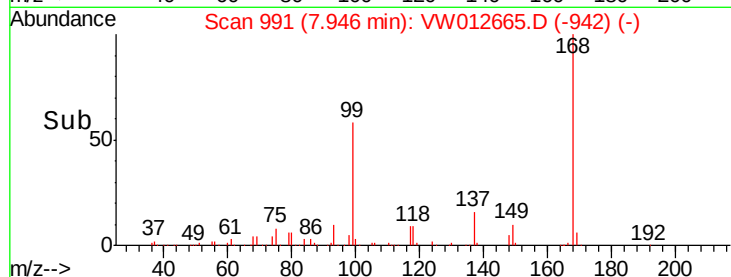
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.048 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012665.D

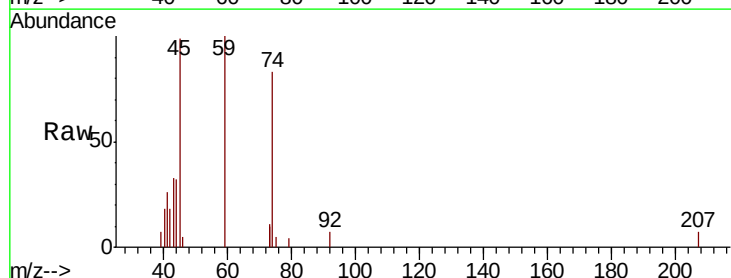
Acq: 06 Sep 2019 02:39

Tgt Ion: 74 Resp: 2813

Ion Ratio Lower Upper

74 100

45 115.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

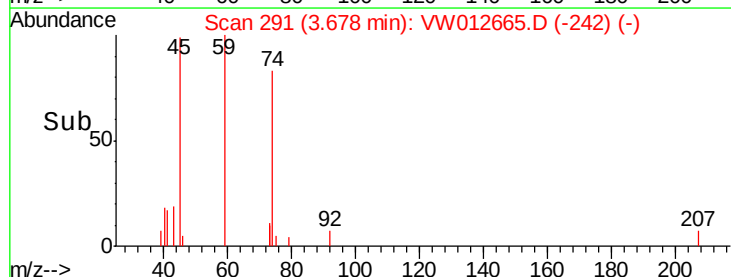
1500

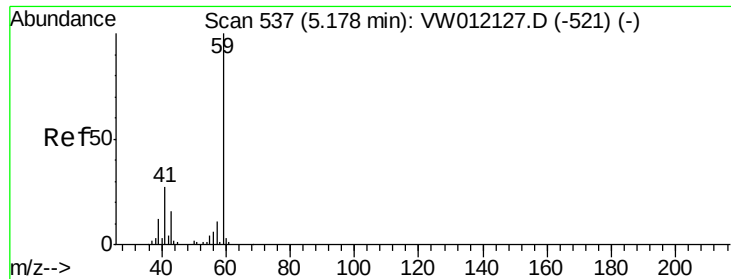
1000

500

0

Time--> 3.60 3.65 3.70 3.75

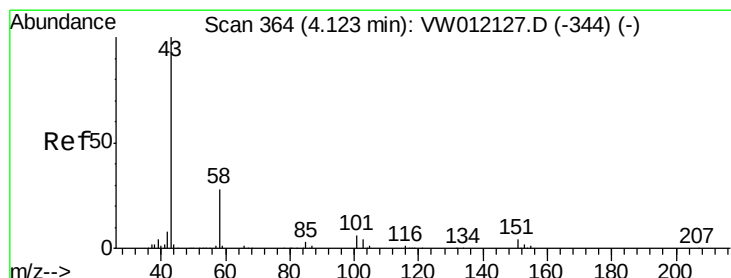
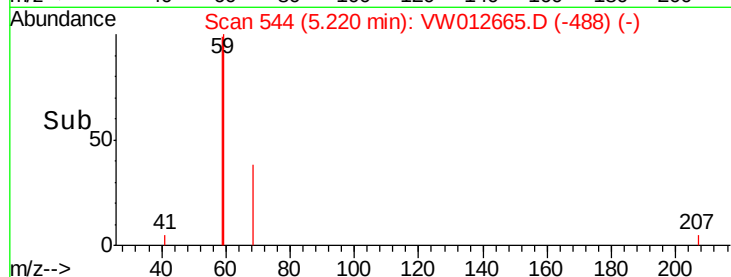
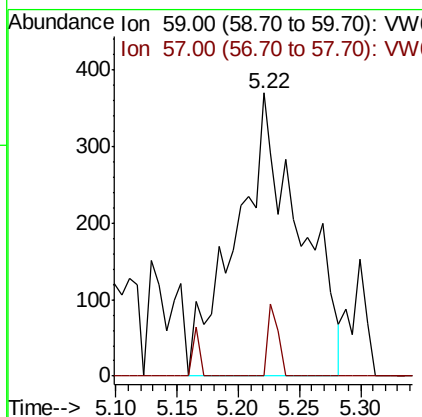
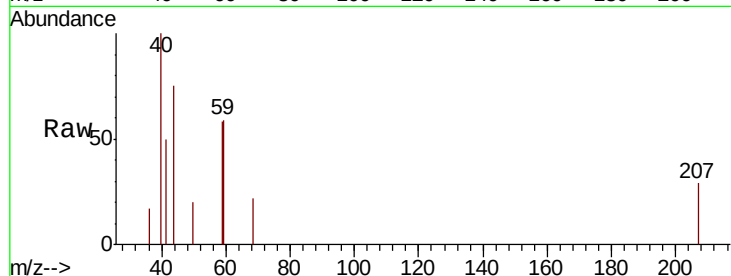




#11
Tert butyl alcohol
Concen: 7.555 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.04 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

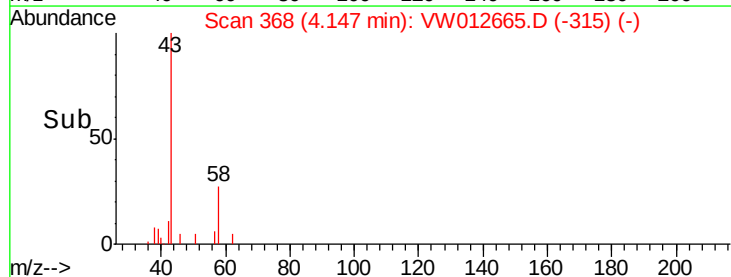
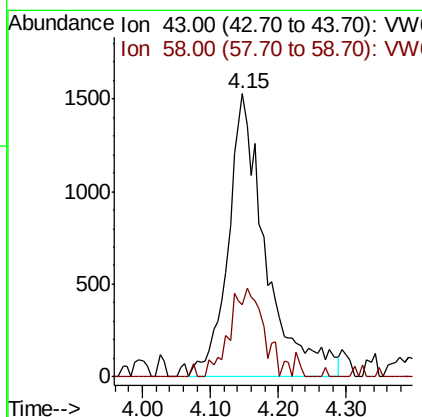
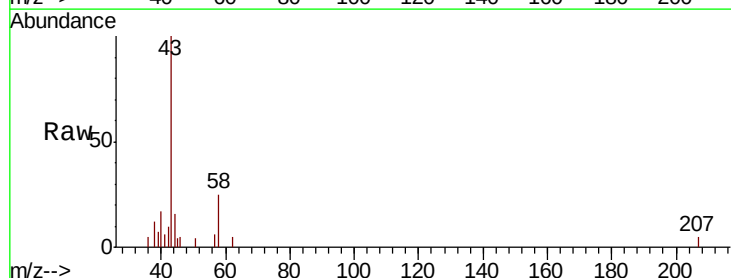
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(0)

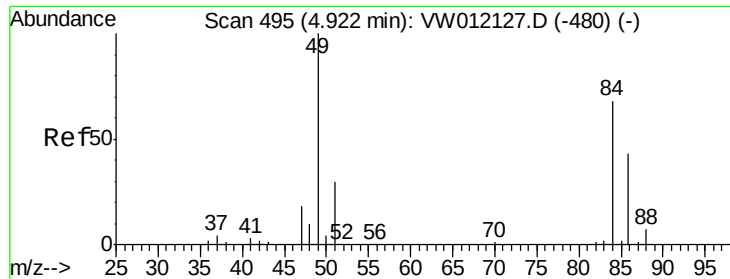
Tgt Ion: 59 Resp: 1334
Ion Ratio Lower Upper
59 100
57 4.2 9.0 13.4#



#16
Acetone
Concen: 7.830 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

Tgt Ion: 43 Resp: 5872
Ion Ratio Lower Upper
43 100
58 25.4 22.4 33.6

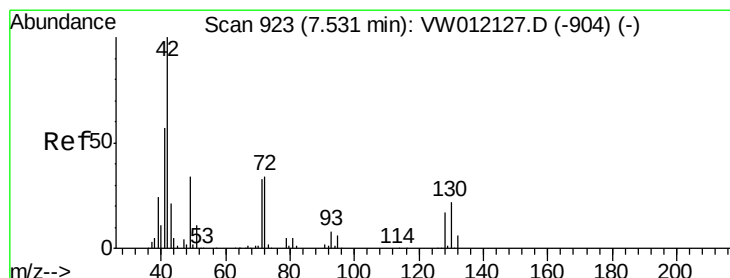
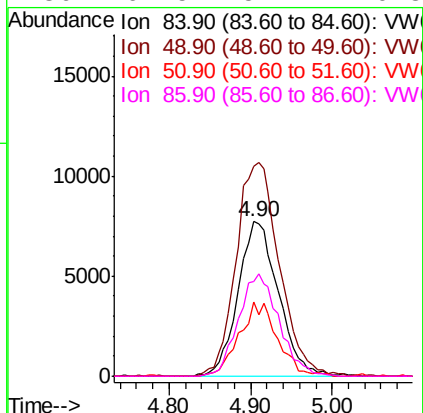
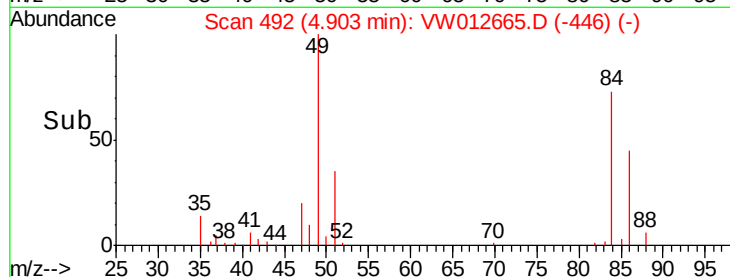
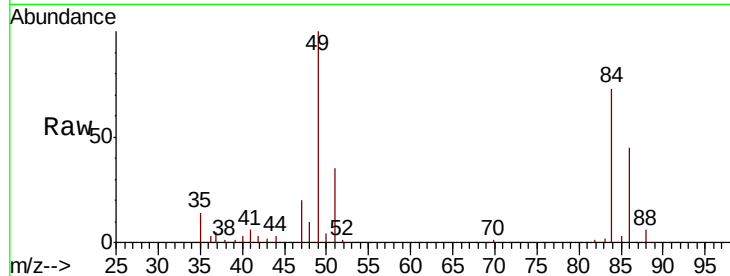




#20
Methylene Chloride
Concen: 9.375 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

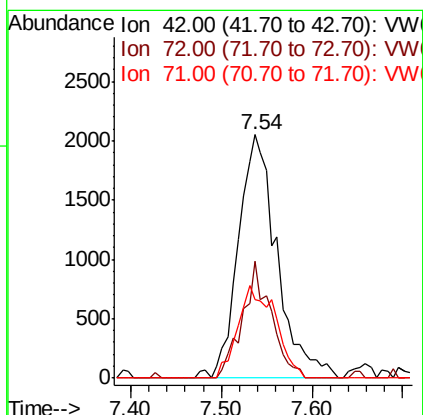
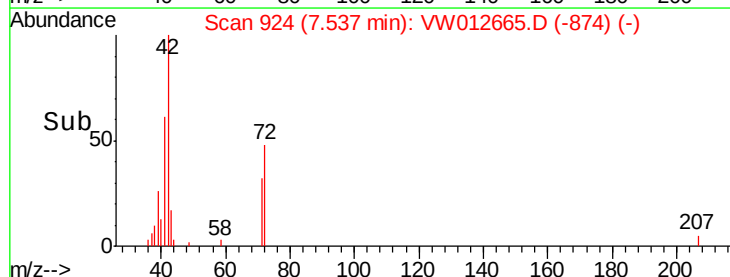
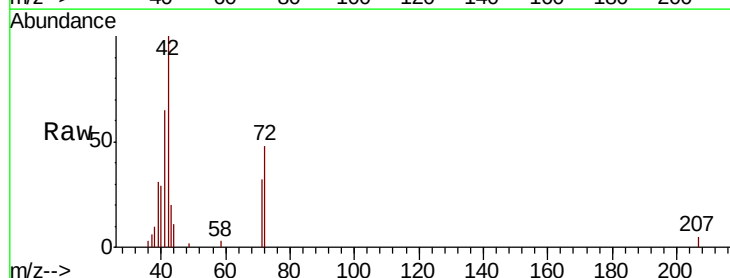
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(0)

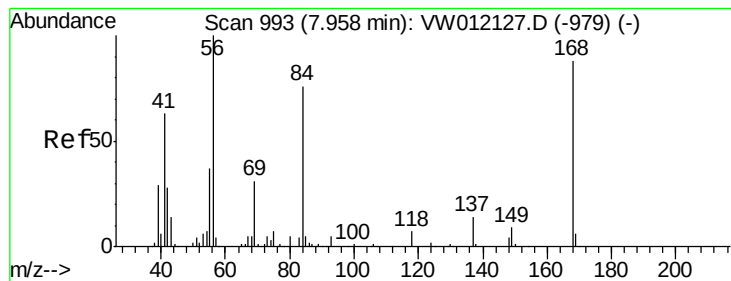
Tgt Ion: 84 Resp: 26579
Ion Ratio Lower Upper
84 100
49 136.2 117.8 176.8
51 47.9 35.6 53.4
86 61.5 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.934 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

Tgt Ion: 42 Resp: 6074
Ion Ratio Lower Upper
42 100
72 35.4 27.3 40.9
71 36.8 25.5 38.3





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(0)

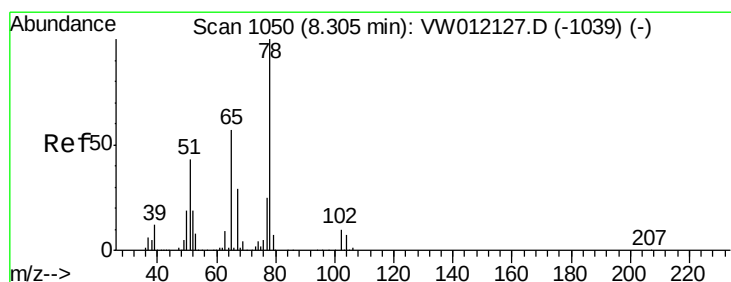
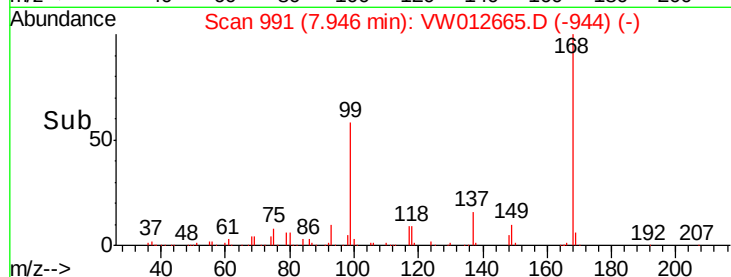
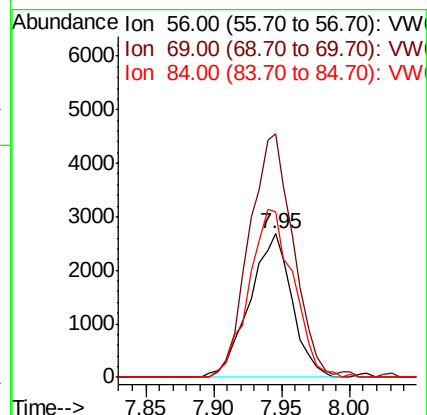
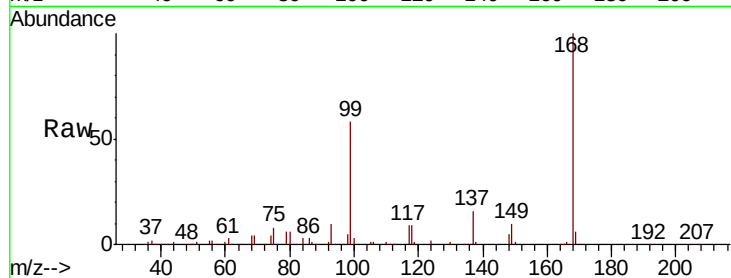
Tgt Ion: 56 Resp: 5808

Ion Ratio Lower Upper

56 100

69 169.5 24.9 37.3#

84 114.9 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 53.175 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012665.D

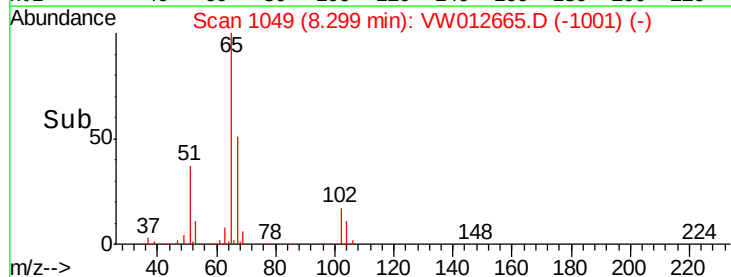
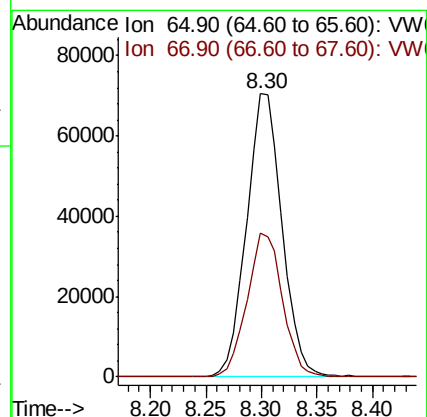
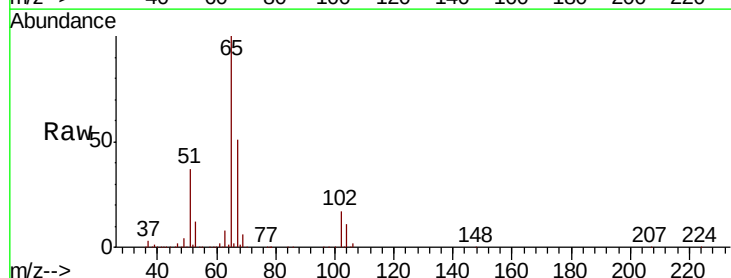
Acq: 06 Sep 2019 02:39

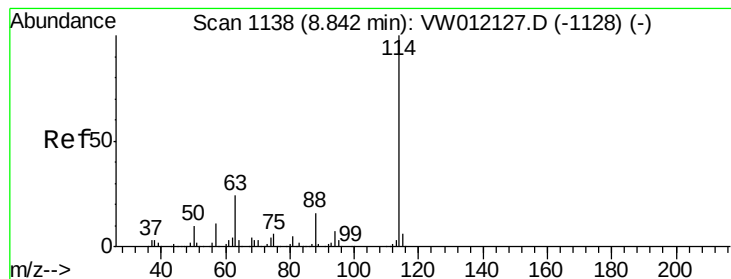
Tgt Ion: 65 Resp: 156011

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(0)

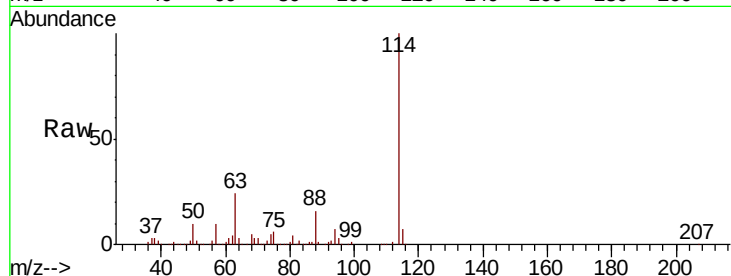
Tgt Ion:114 Resp: 412820

Ion Ratio Lower Upper

114 100

63 23.6 0.0 48.6

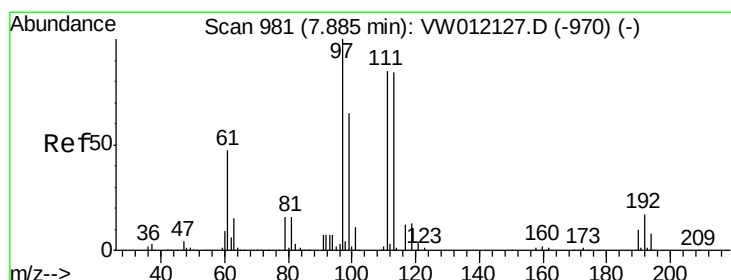
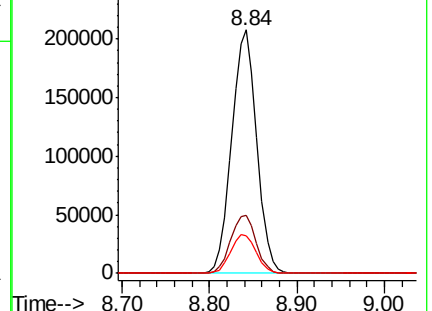
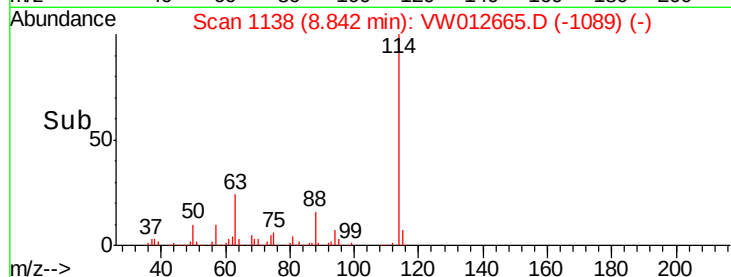
88 15.6 0.0 32.2



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: 48.469 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

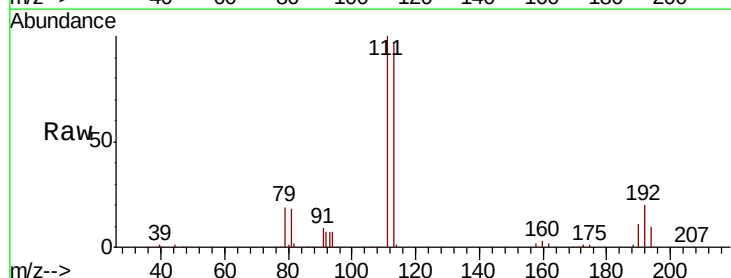
Tgt Ion:113 Resp: 119434

Ion Ratio Lower Upper

113 100

111 101.0 82.7 124.1

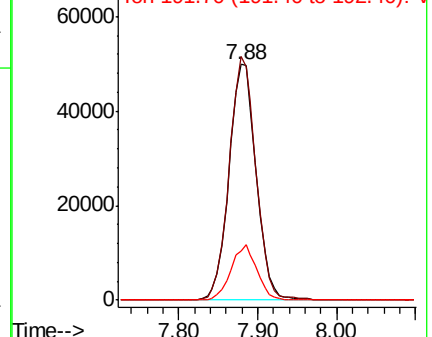
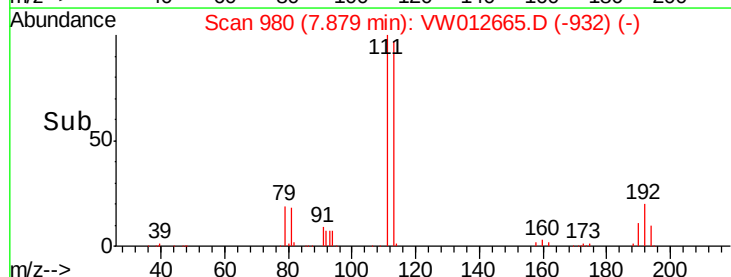
192 22.1 16.2 24.2

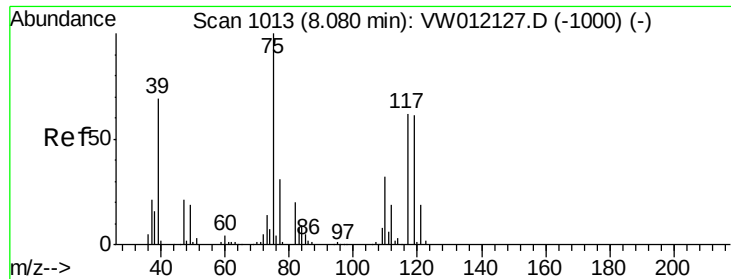


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

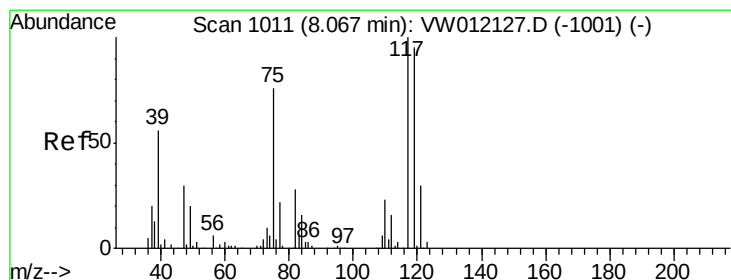
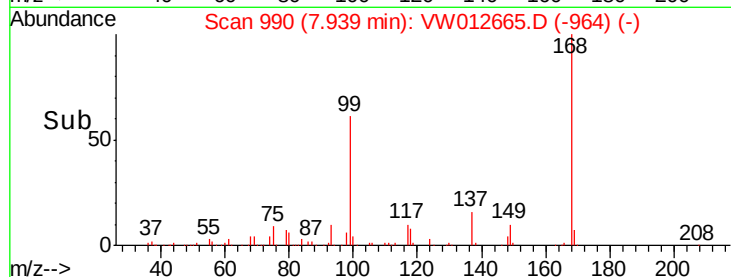
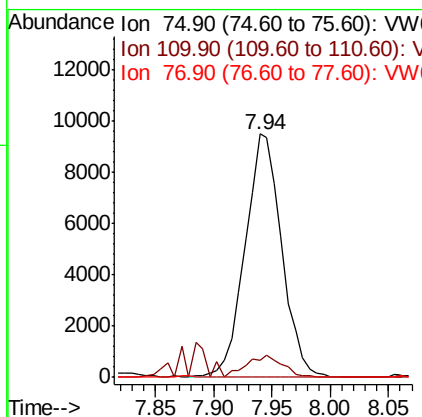
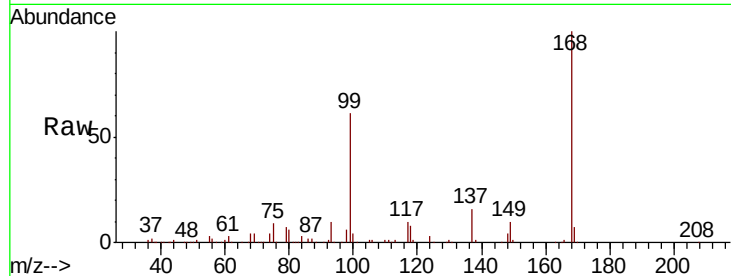




#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012665.D
 Acq: 06 Sep 2019 02:39

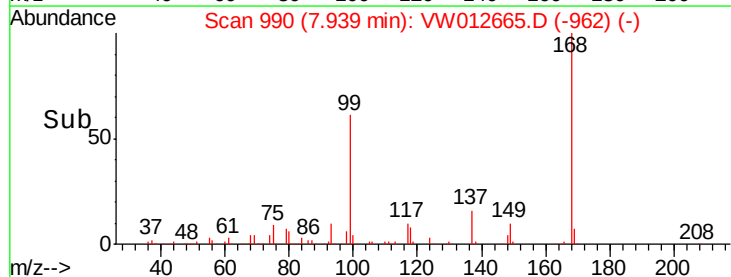
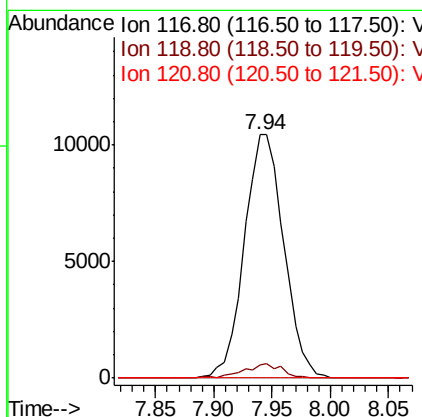
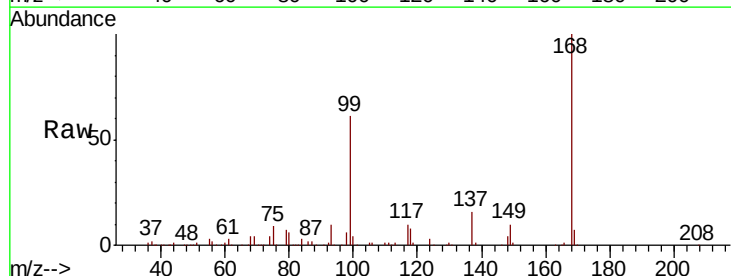
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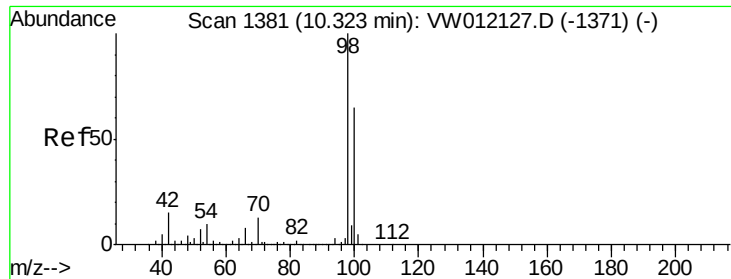
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.646 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012665.D
 Acq: 06 Sep 2019 02:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.2#
121	0.0	23.8	35.8#





#50

Toluene-d8

Concen: 46.641 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

Instrument :

MSVOA_W

ClientSampleId :

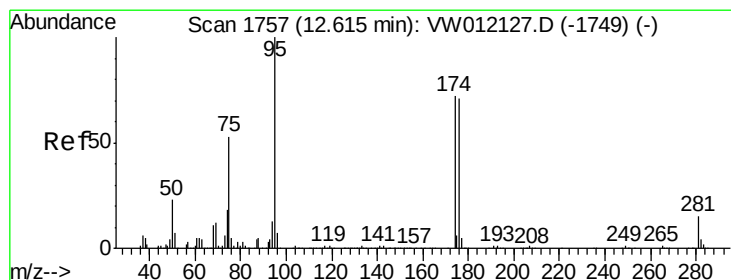
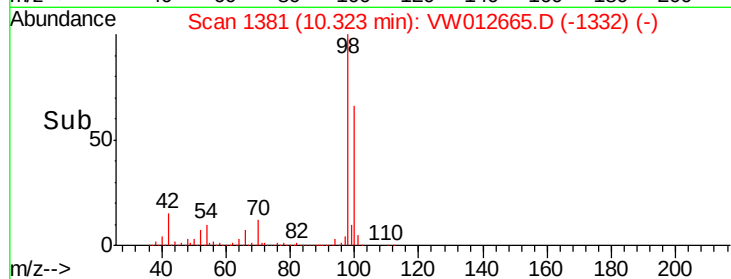
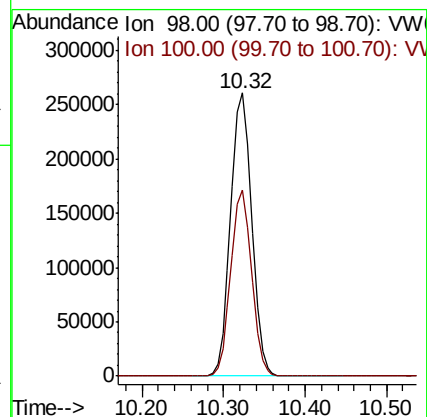
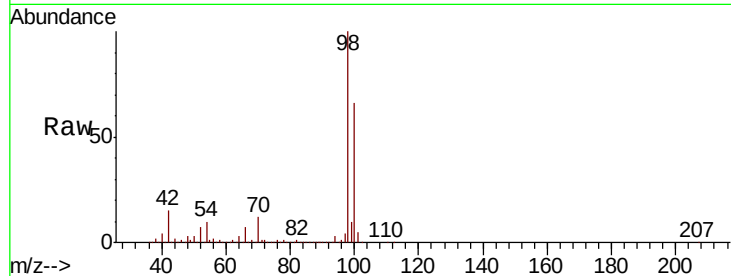
PAR-12-B2-(0)

Tgt Ion: 98 Resp: 466006

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 40.742 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

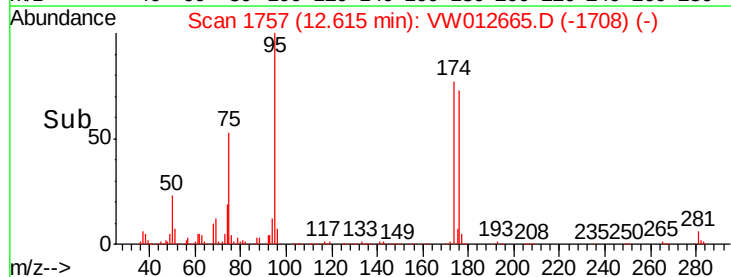
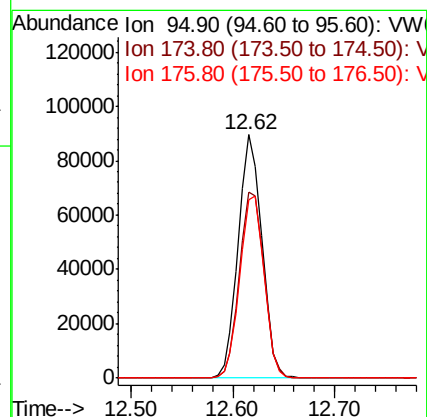
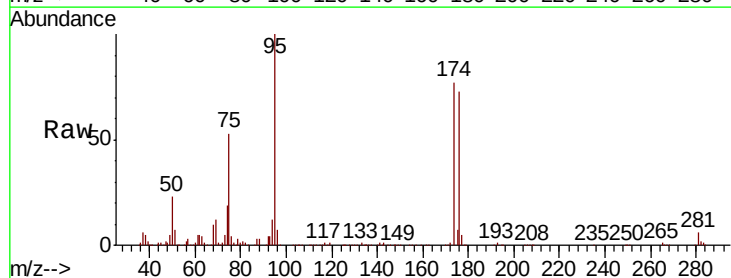
Tgt Ion: 95 Resp: 143491

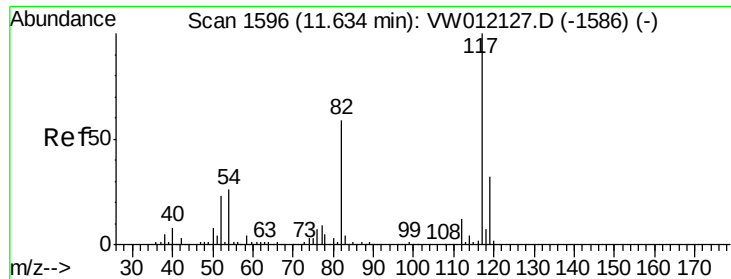
Ion Ratio Lower Upper

95 100

174 79.4 0.0 150.8

176 76.6 0.0 148.6

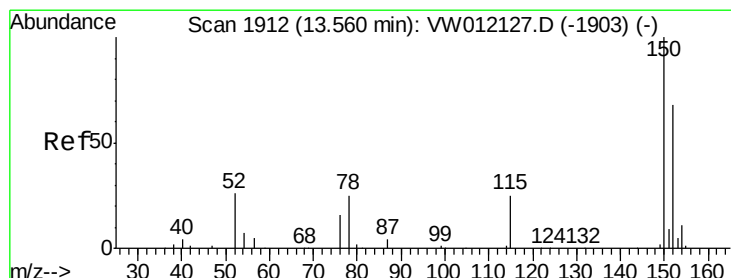
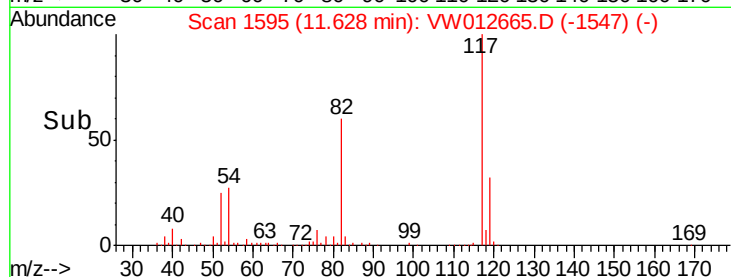
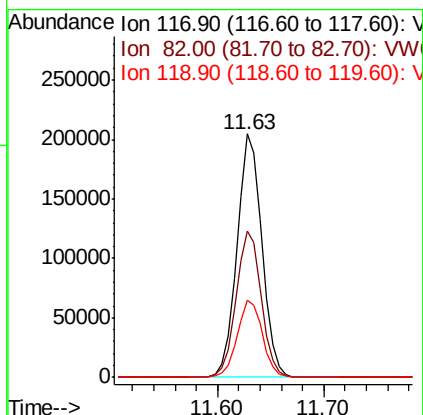
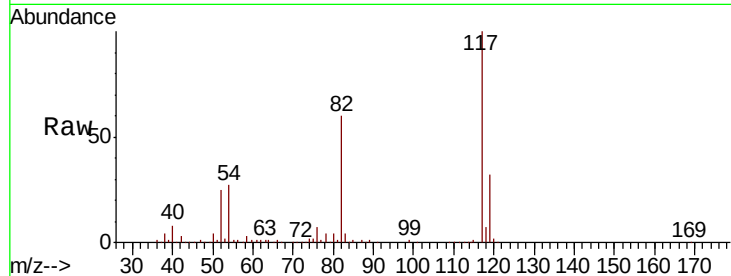




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

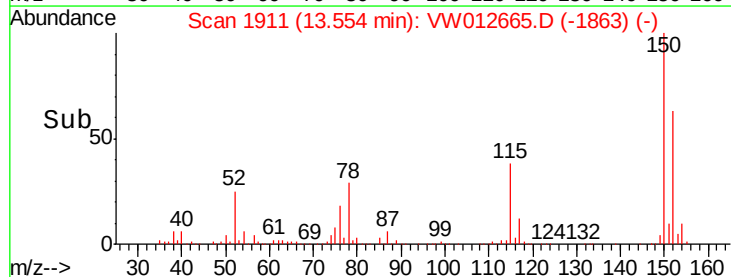
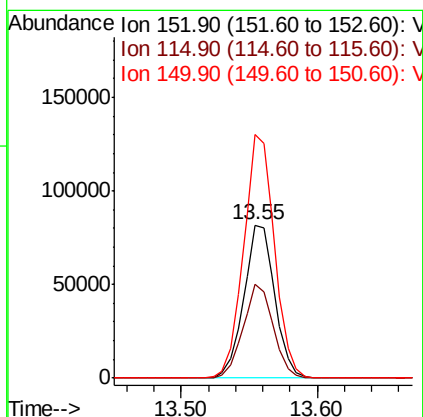
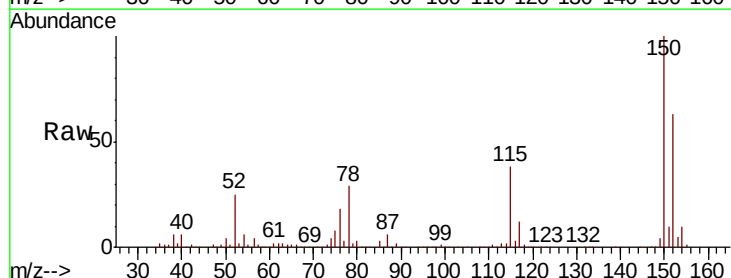
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(0)

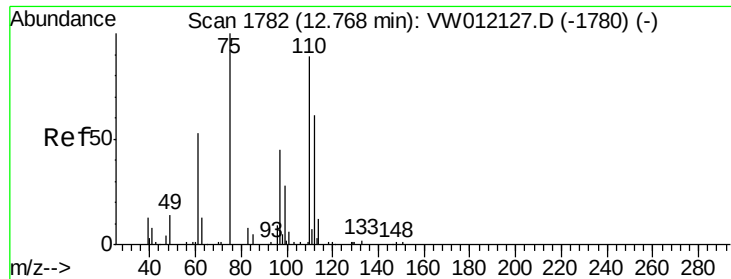
Tgt Ion:117 Resp: 335002
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

Tgt Ion:152 Resp: 129824
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 158.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 60.519 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

Instrument :

MSVOA_W

ClientSampleId :

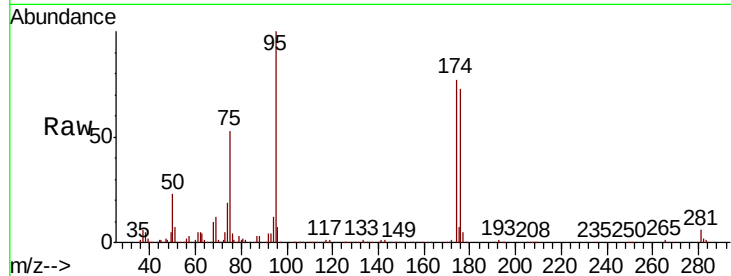
PAR-12-B2-(0)

Tgt Ion: 75 Resp: 76520

Ion Ratio Lower Upper

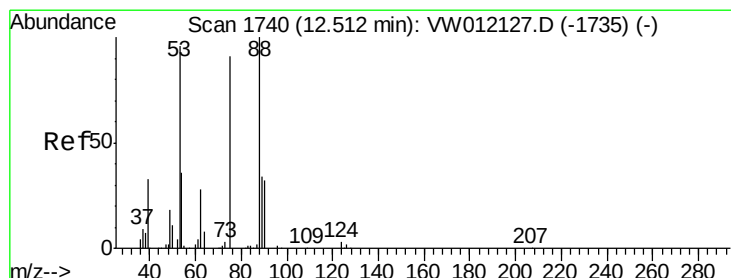
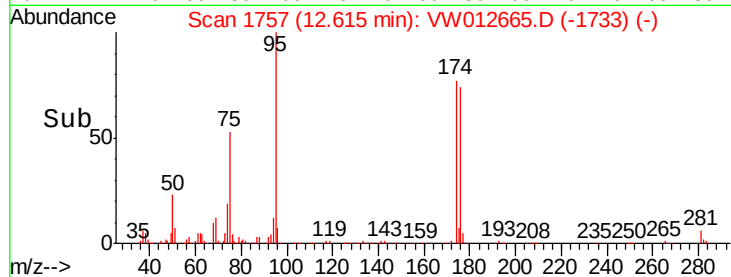
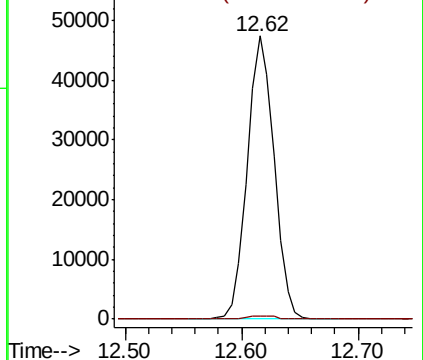
75 100

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: 132.690 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012665.D

Acq: 06 Sep 2019 02:39

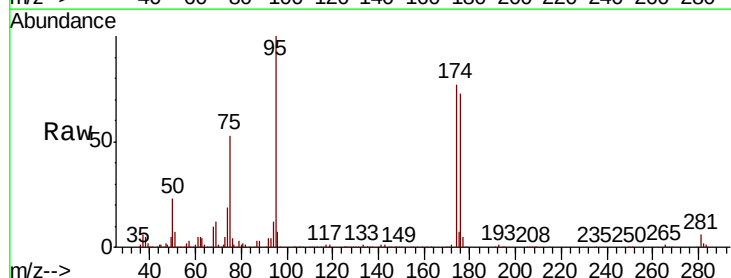
Tgt Ion: 75 Resp: 76520

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

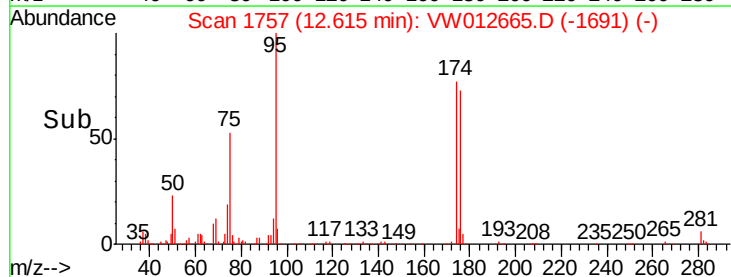
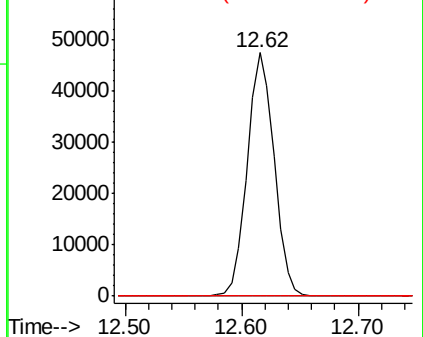
89 0.0 34.5 51.7#

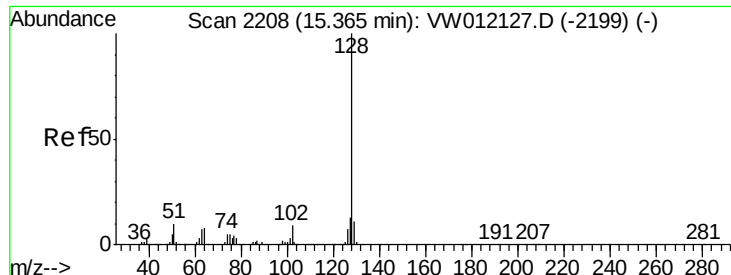


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.416 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012665.D
Acq: 06 Sep 2019 02:39

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(0)

Tgt Ion:128 Resp: 507
Ion Ratio Lower Upper
128 100
127 17.0 10.7 16.1#
129 0.0 8.7 13.1#

