

Data File : VW012834.D
Acq On : 09 Sep 2019 20:42
Operator : SY/VA
Sample : K4623-04
Misc : 4.07G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C1-(4)

Quant Time: Sep 10 07:04:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	215896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	59613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	111097	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	7.88	113	94379	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.32	98	357759	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	81301	30.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.70%	

Target Compounds

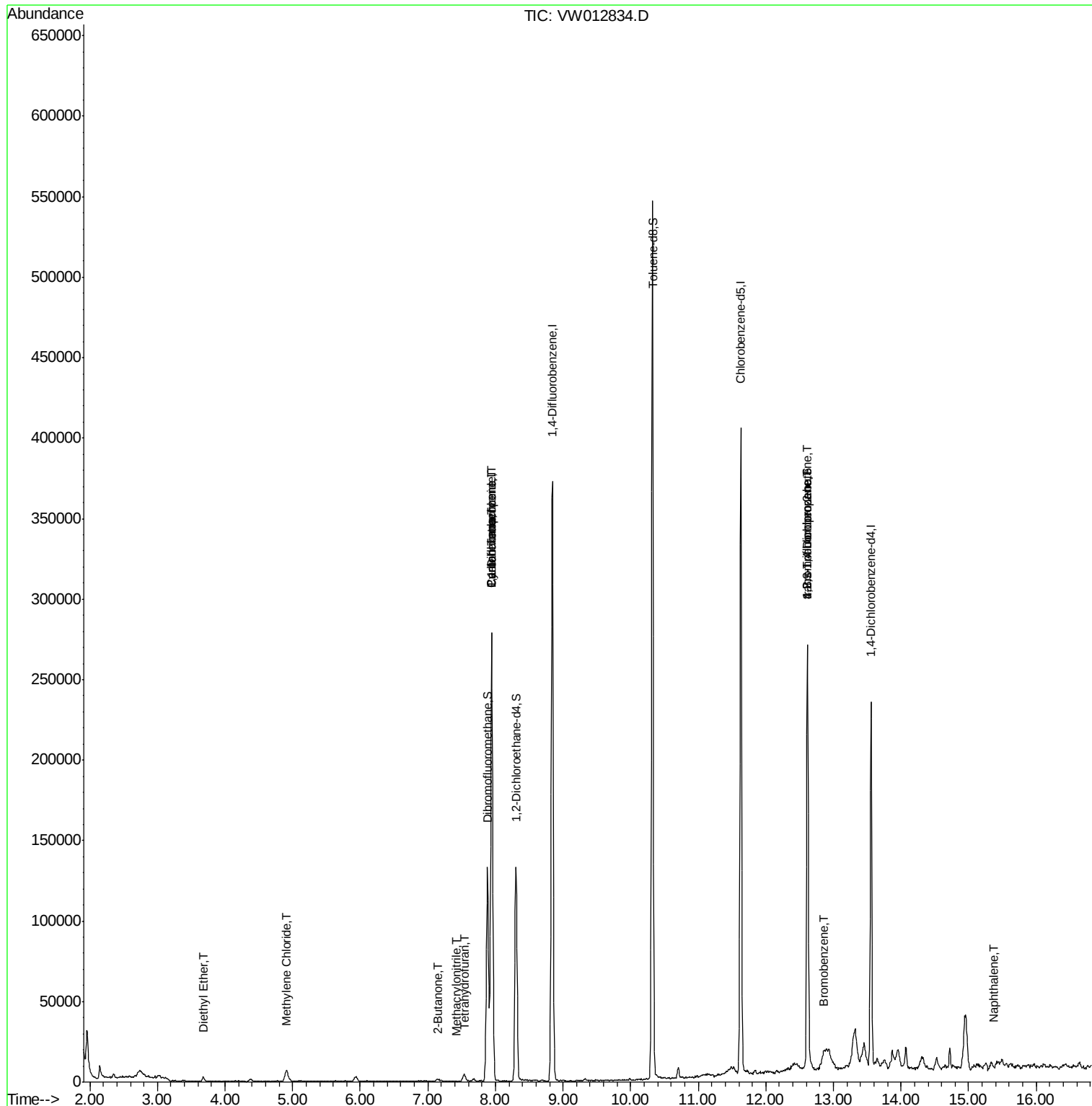
						Qvalue
8) Diethyl Ether	3.68	74	1076	1.076	ug/l	56
20) Methylene Chloride	4.92	84	5123	2.518	ug/l #	66
25) 2-Butanone	7.15	43	138	19.813	ug/l #	53
29) Tetrahydrofuran	7.53	42	3707	7.060	ug/l	94
31) Cyclohexane	7.94	56	4667	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15776	5.697	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20112	7.368	ug/l #	16
41) Methacrylonitrile	7.43	41	93	3.910	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	43111	70.724	ug/l #	100
77) Bromobenzene	12.85	156	6056	6.252	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	43111	149.585	ug/l #	7
95) Naphthalene	15.37	128	400	4.585	ug/l #	76

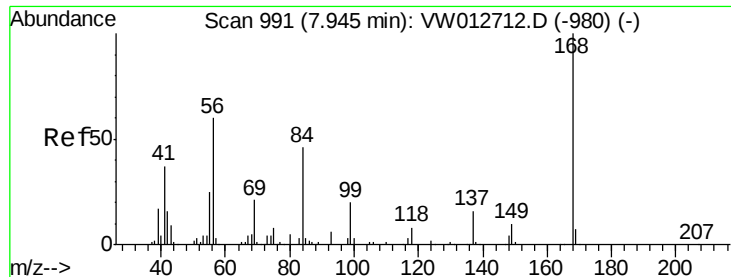
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampled :

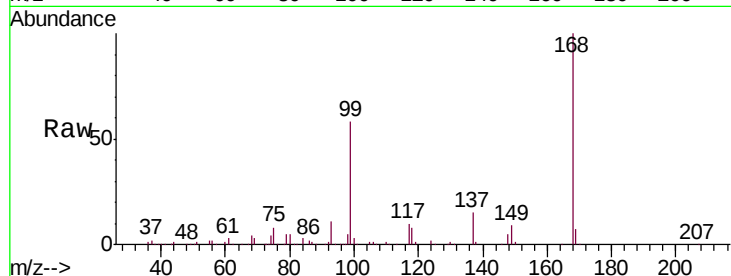
PAR-11-C1-(4)

Tgt Ion:168 Resp: 213470

Ion Ratio Lower Upper

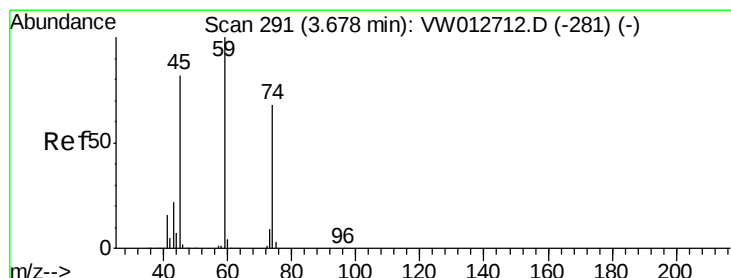
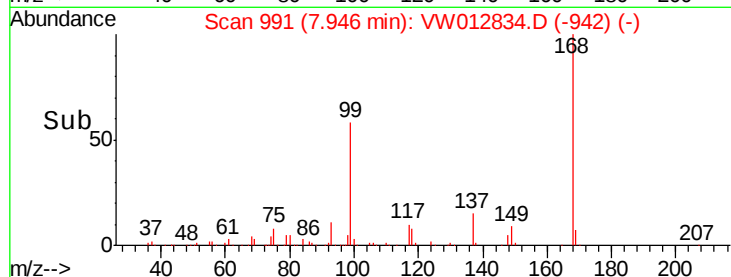
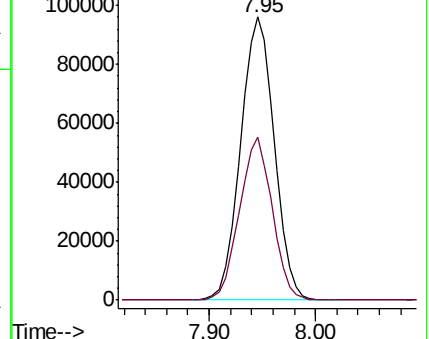
168 100

99 57.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.076 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012834.D

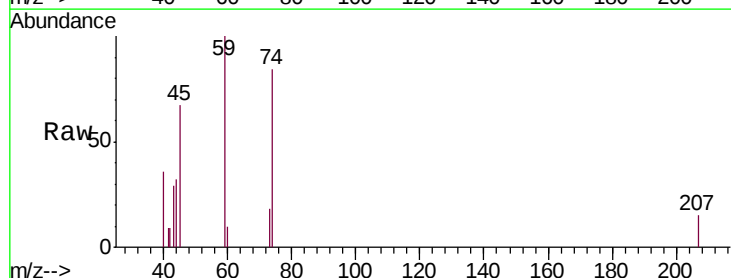
Acq: 09 Sep 2019 20:42

Tgt Ion: 74 Resp: 1076

Ion Ratio Lower Upper

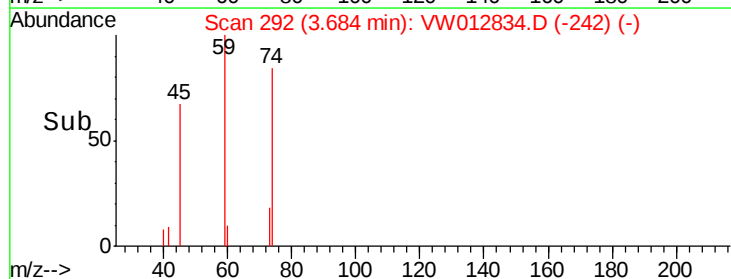
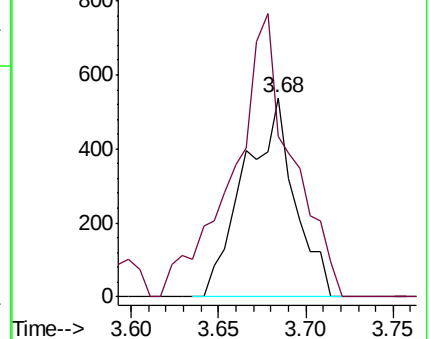
74 100

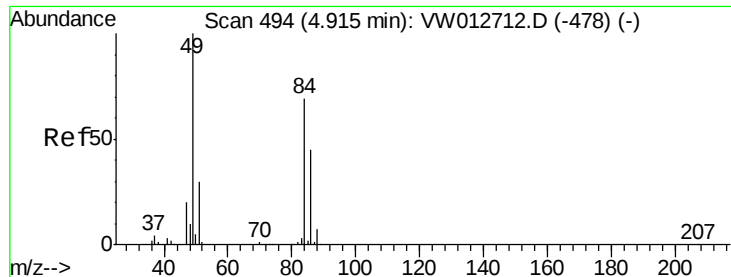
45 166.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

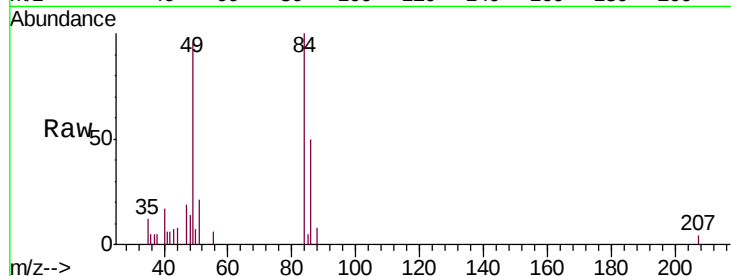




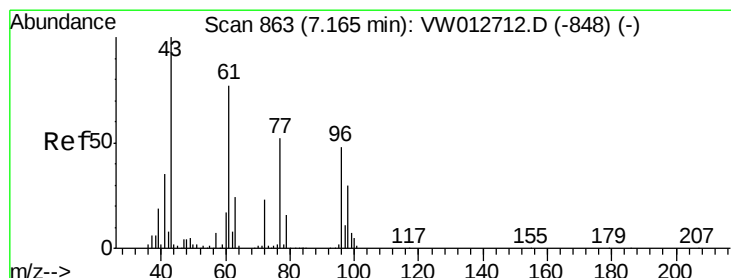
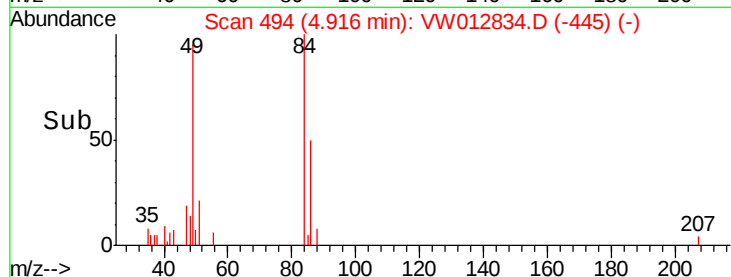
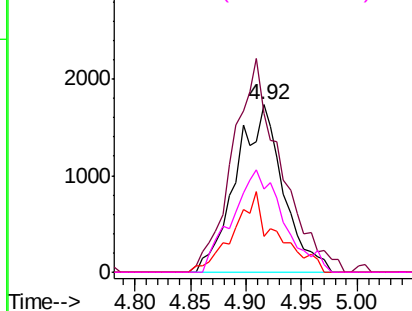
#20
Methylene Chloride
Concen: 2.518 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C1-(4)

Tgt Ion: 84 Resp: 5123
Ion Ratio Lower Upper
84 100
49 95.0 115.4 173.0#
51 21.3 34.9 52.3#
86 49.7 52.2 78.4#

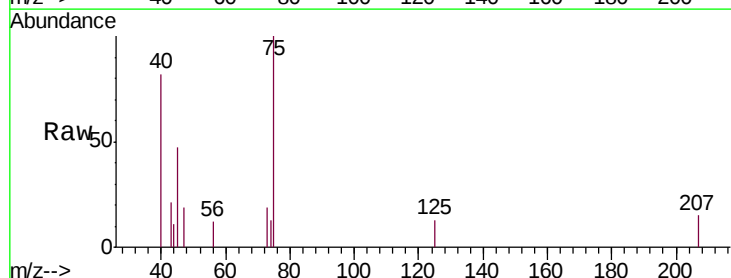


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

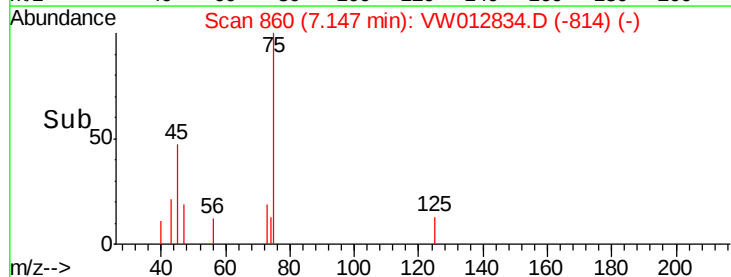
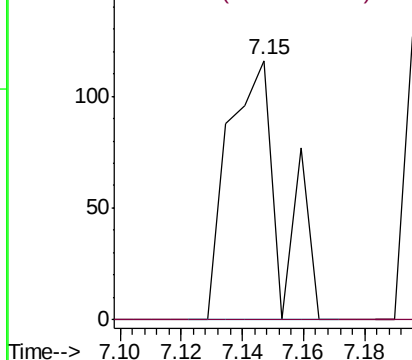


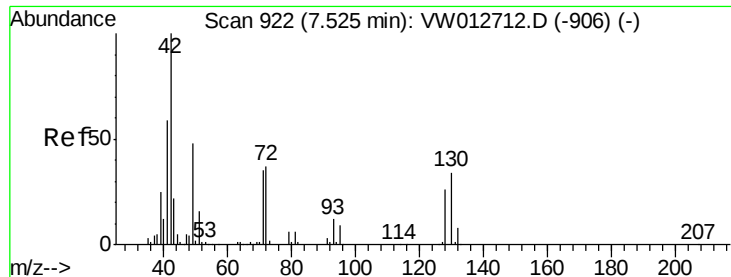
#25
2-Butanone
Concen: 19.813 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

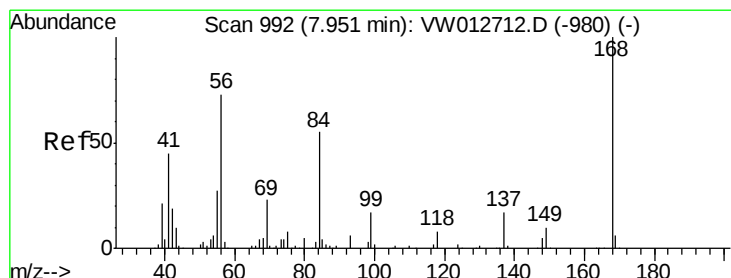
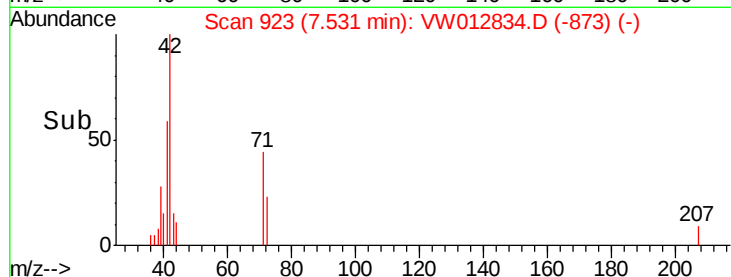
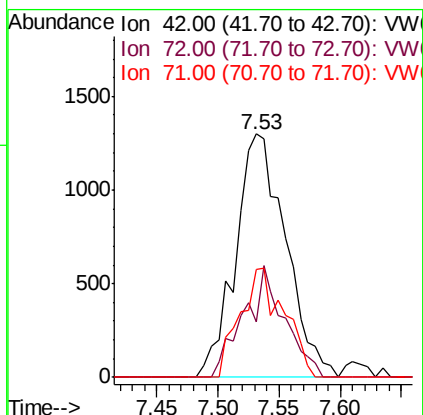
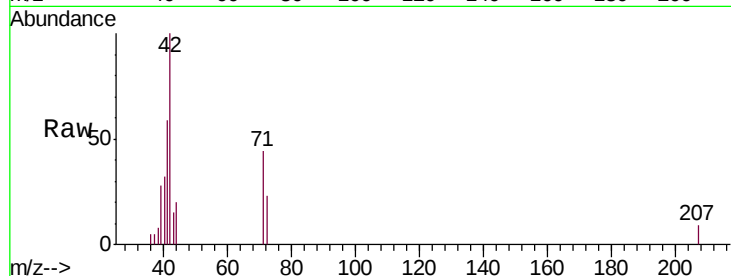




#29
Tetrahydrofuran
Concen: 7.060 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

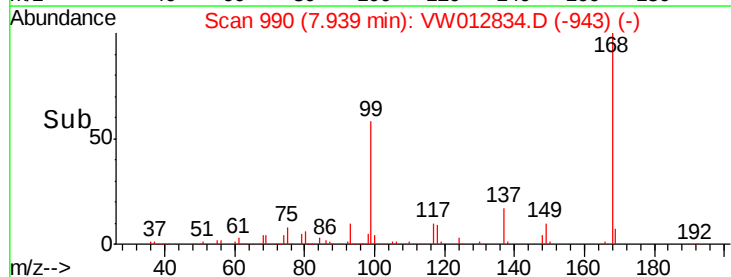
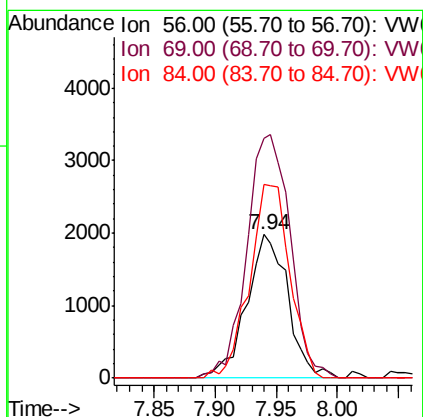
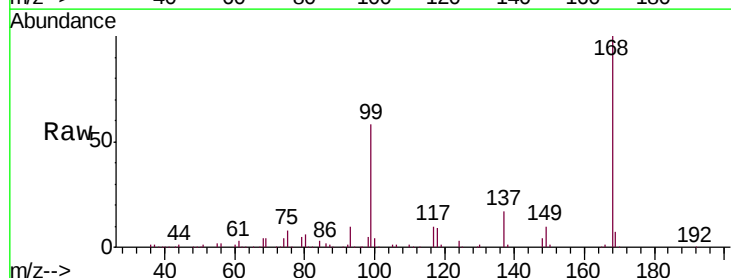
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C1-(4)

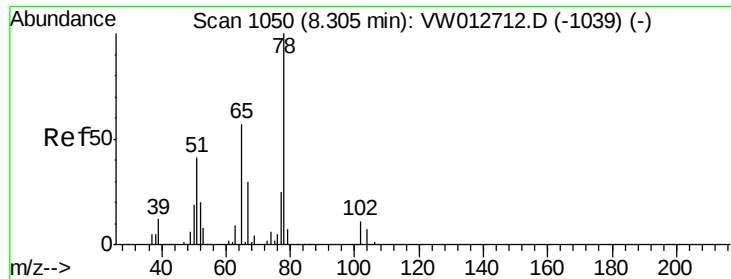
Tgt Ion: 42 Resp: 3707
Ion Ratio Lower Upper
42 100
72 37.3 28.4 42.6
71 39.1 27.1 40.7



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

Tgt Ion: 56 Resp: 4667
Ion Ratio Lower Upper
56 100
69 167.7 25.7 38.5#
84 135.2 60.4 90.6#

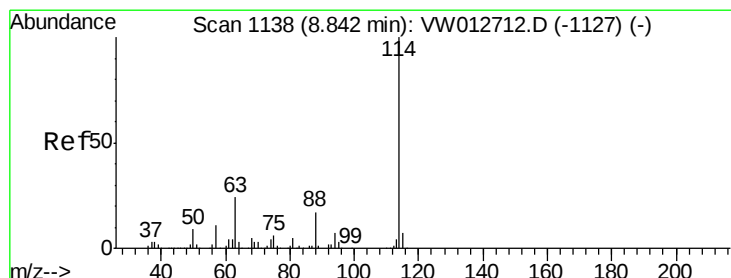
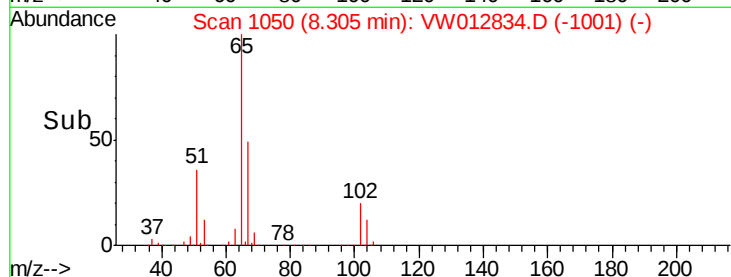
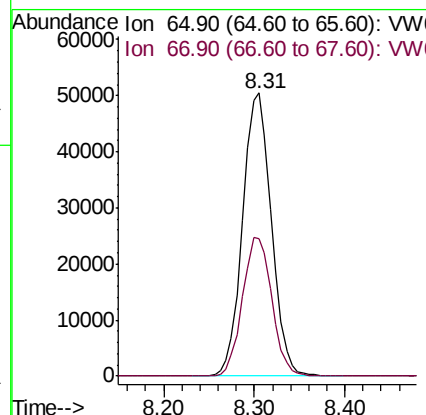
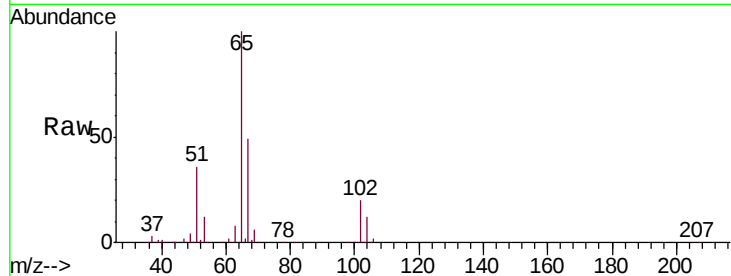




#33
 1,2-Dichloroethane-d4
 Concen: 46.578 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012834.D
 Acq: 09 Sep 2019 20:42

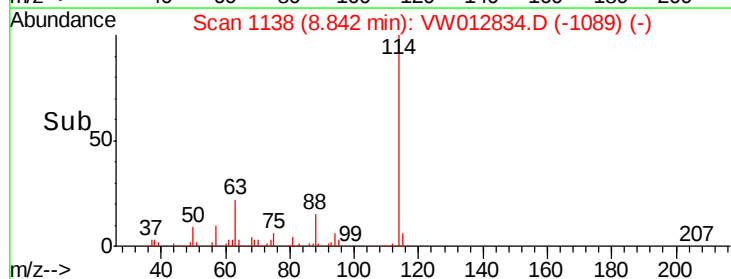
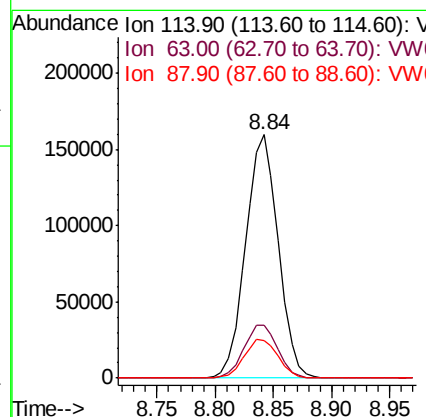
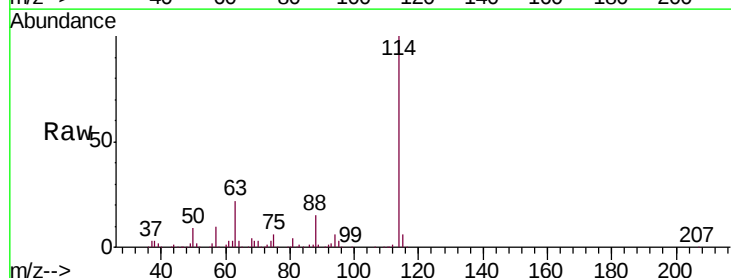
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C1-(4)

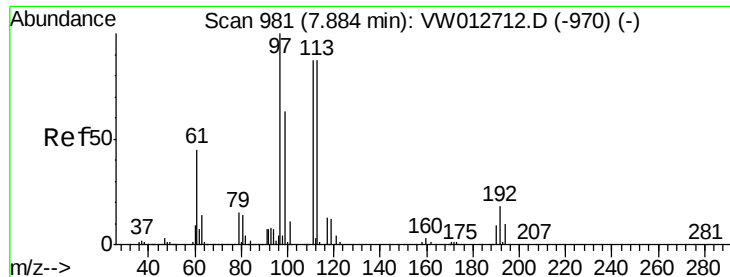
Tgt Ion: 65 Resp: 111097
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012834.D
 Acq: 09 Sep 2019 20:42

Tgt Ion: 114 Resp: 311634
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 15.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.940 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampled :

PAR-11-C1-(4)

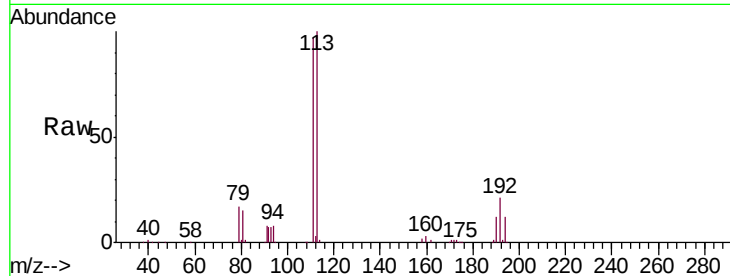
Tgt Ion:113 Resp: 94379

Ion Ratio Lower Upper

113 100

111 102.1 80.2 120.4

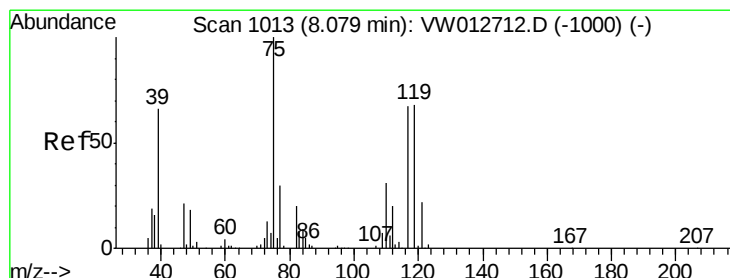
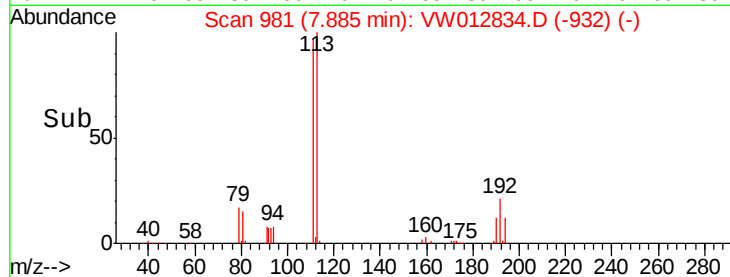
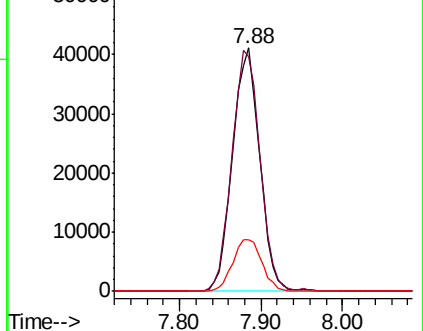
192 22.9 17.3 25.9



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: 5.697 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

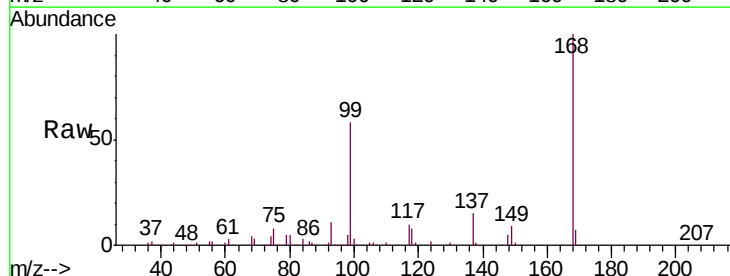
Tgt Ion: 75 Resp: 15776

Ion Ratio Lower Upper

75 100

110 10.5 15.9 47.7#

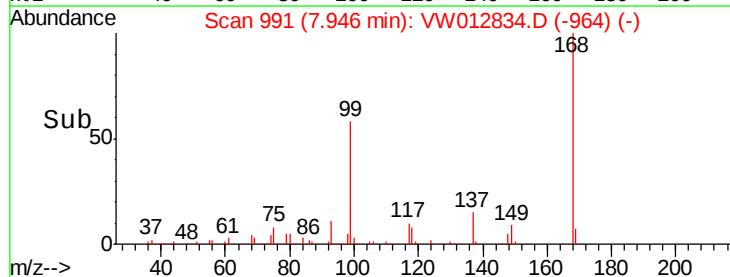
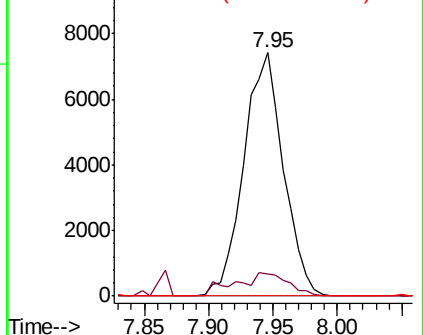
77 0.0 25.0 37.4#

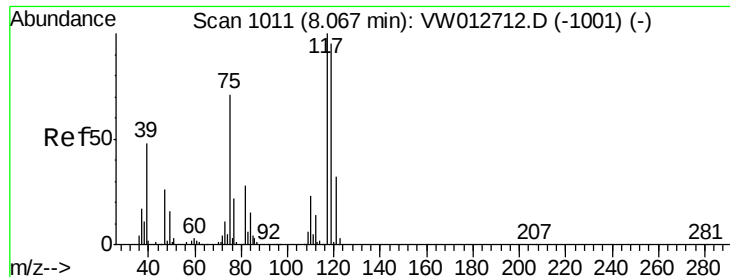


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.368 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C1-(4)

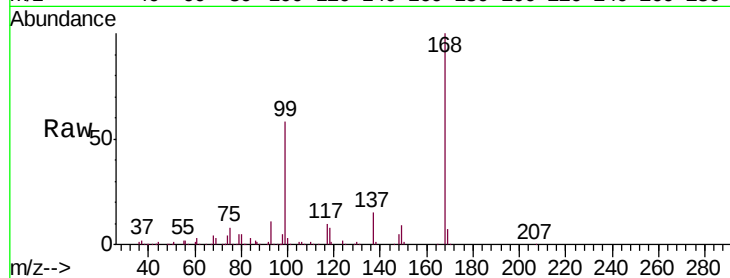
Tgt Ion:117 Resp: 20112

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

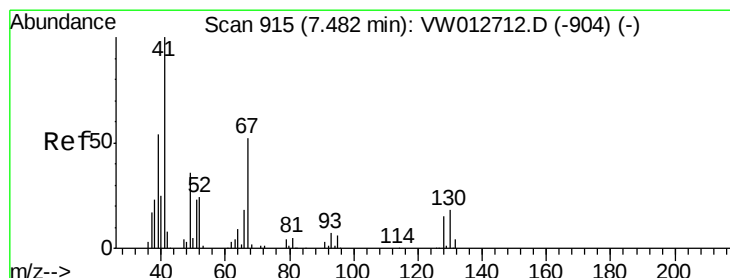
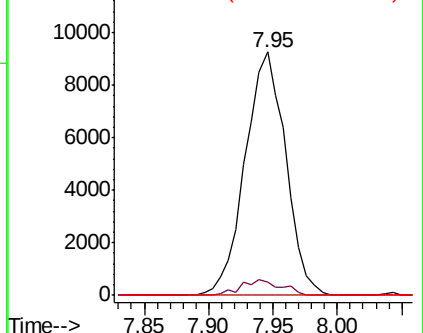
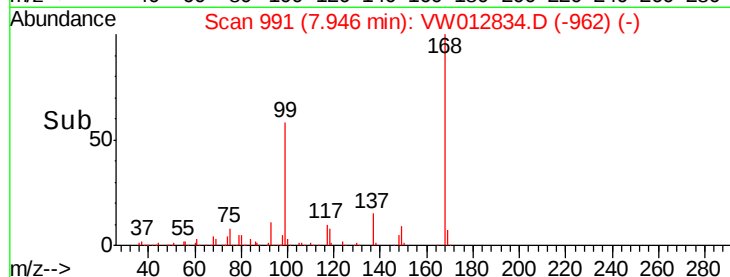
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.910 ug/l

RT: 7.43 min Scan# 906

Delta R.T. -0.05 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Tgt Ion: 41 Resp: 93

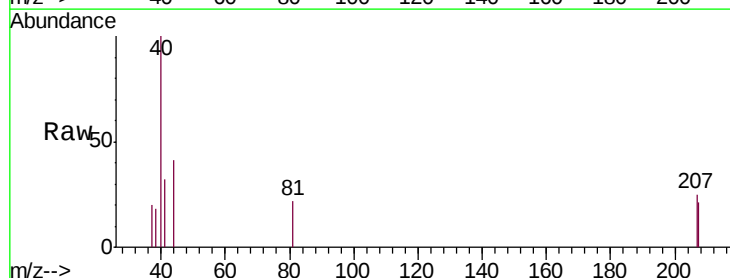
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

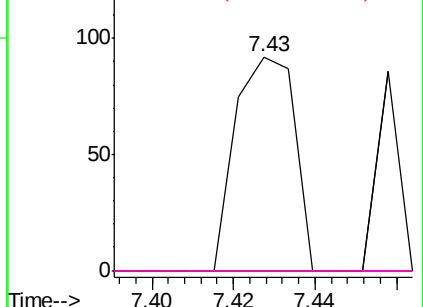
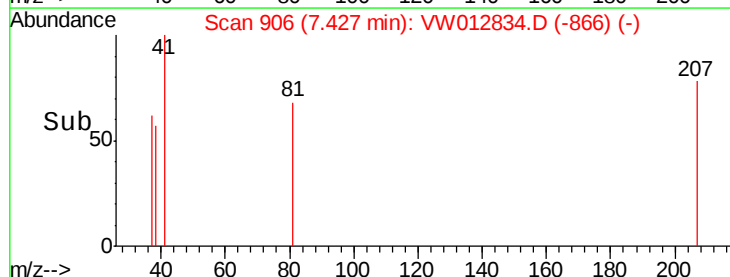


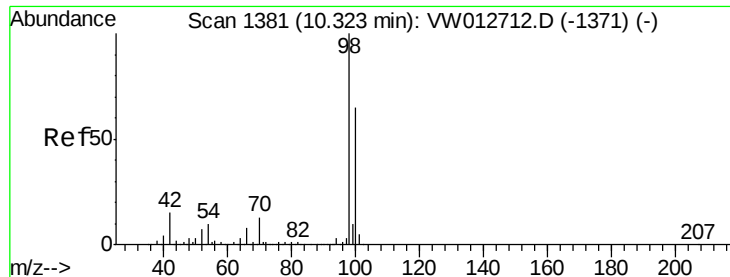
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 49.287 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

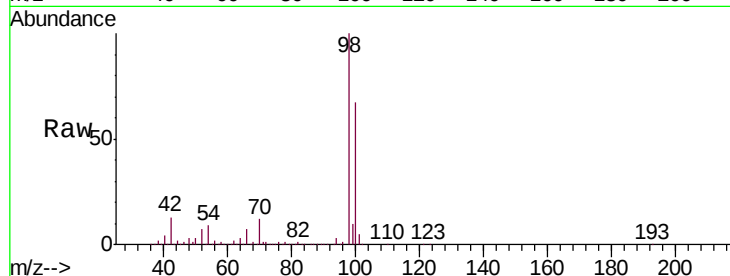
PAR-11-C1-(4)

Tgt Ion: 98 Resp: 357759

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

100000

50000

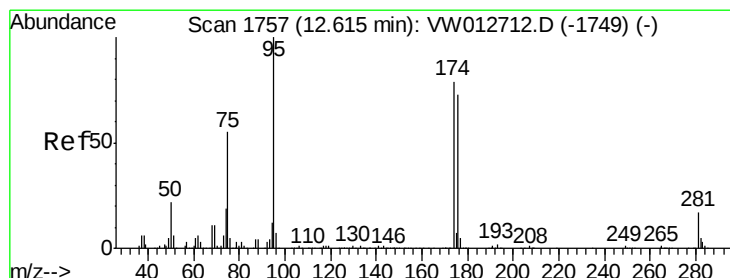
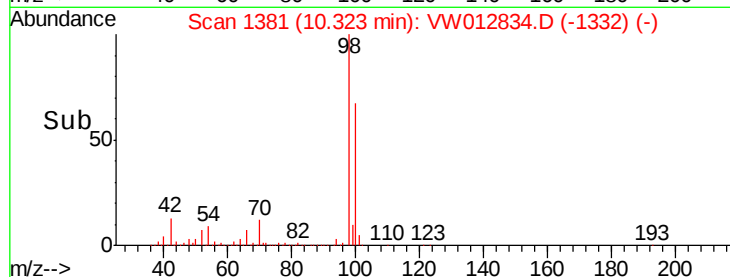
0

10.20

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 30.853 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

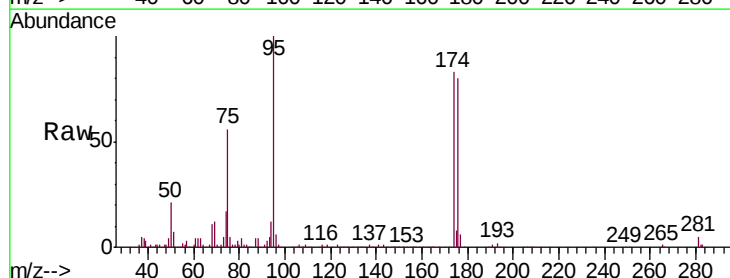
Tgt Ion: 95 Resp: 81301

Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.0

176 81.5 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

40000

20000

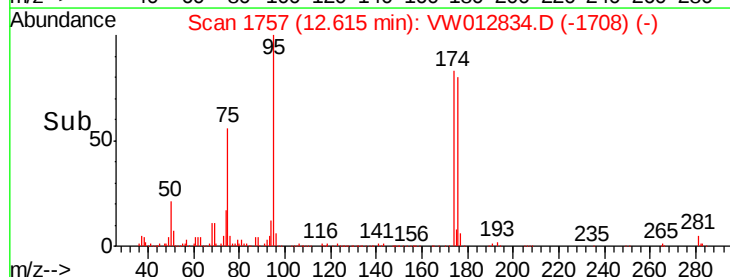
0

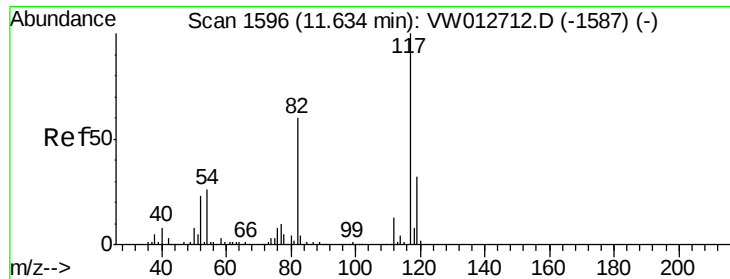
12.55

12.60

12.65

Time-->

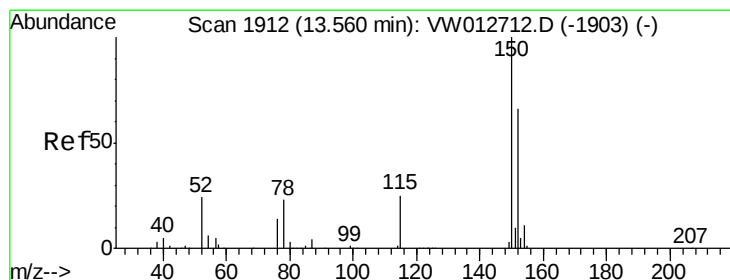
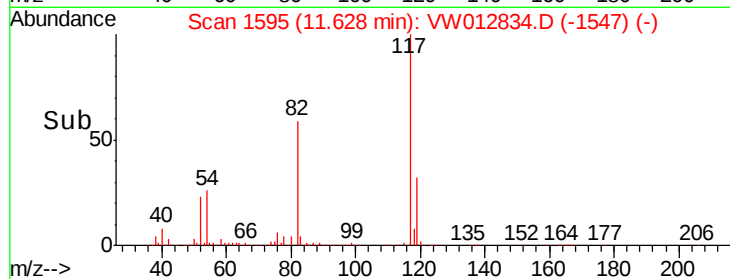
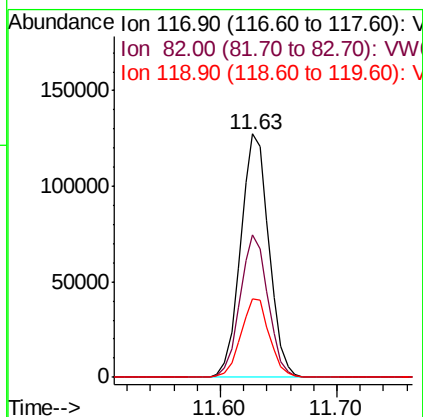
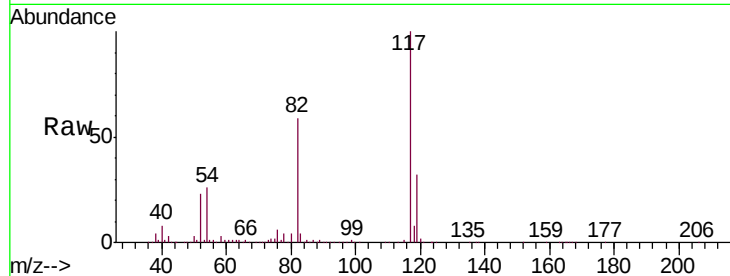




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

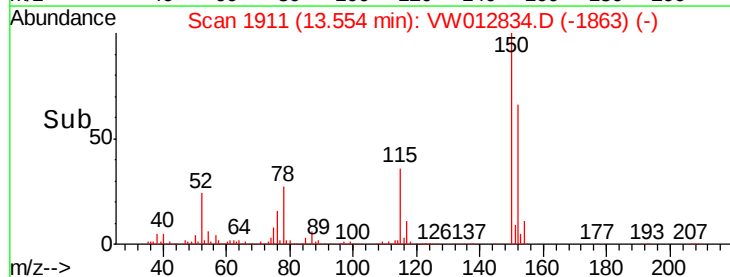
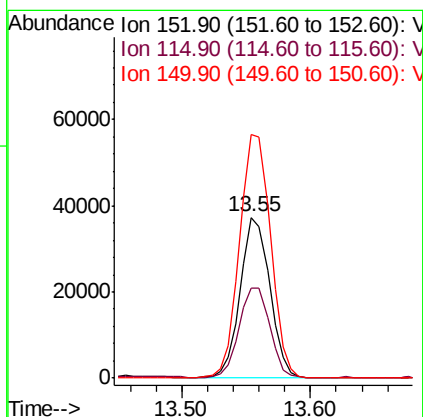
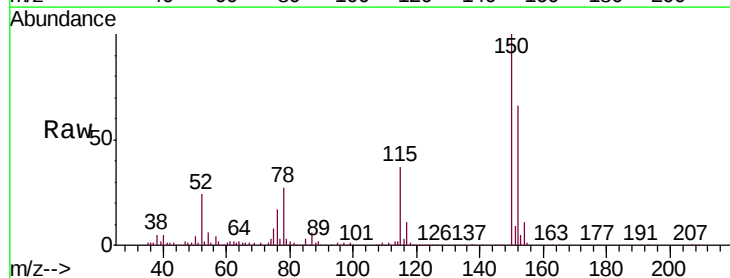
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C1-(4)

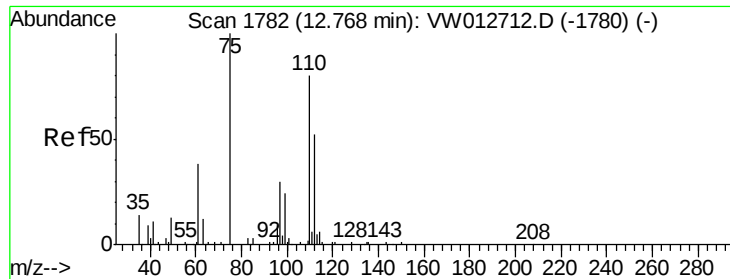
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.2	72.4
119	32.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012834.D
Acq: 09 Sep 2019 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.0	90.1
150	159.4	0.0	349.0

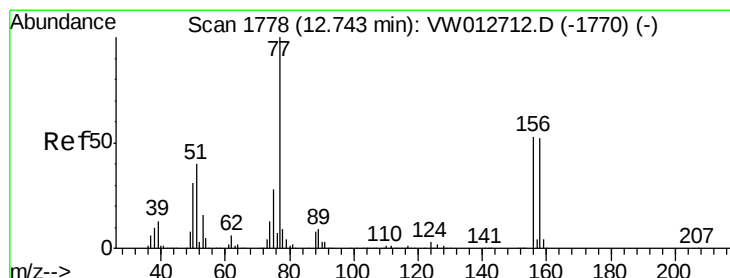
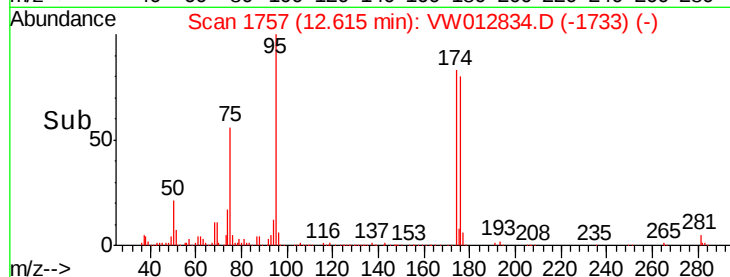
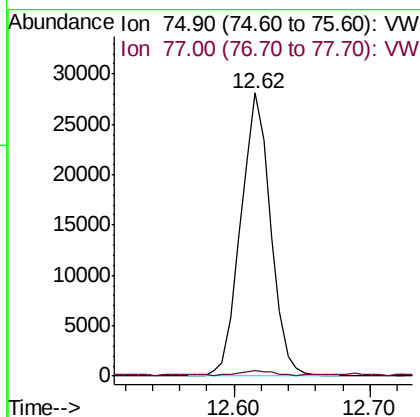
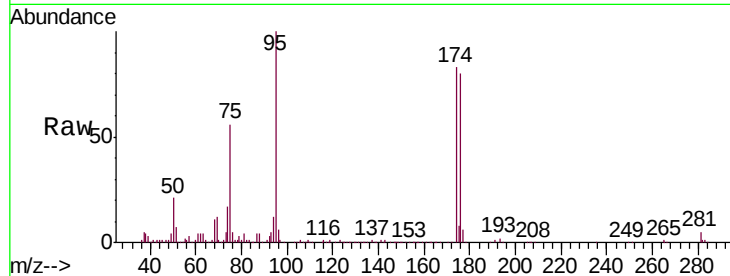




#76
 1,2,3-Trichloropropane
 Concen: 70.724 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012834.D
 Acq: 09 Sep 2019 20:42

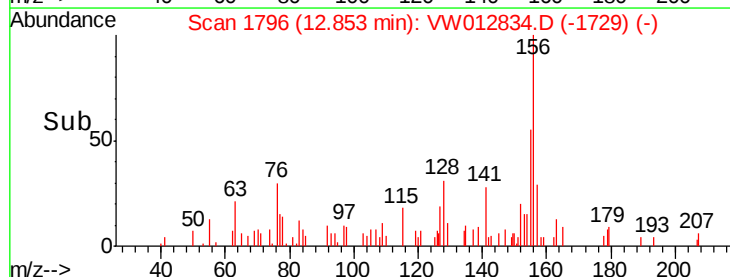
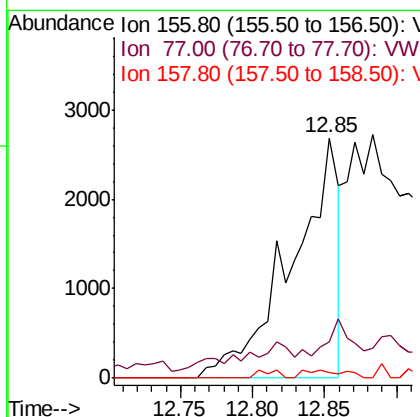
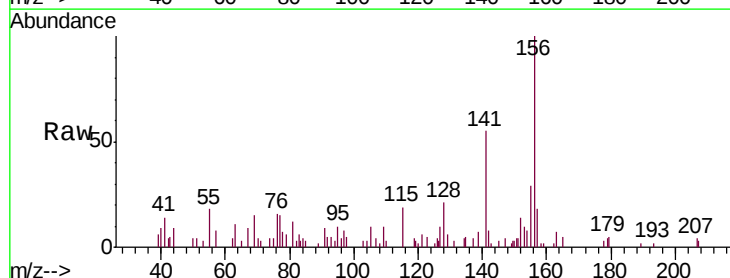
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C1-(4)

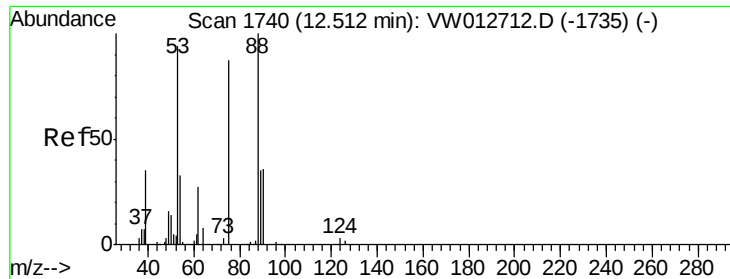
Tgt Ion: 75 Resp: 43111
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#77
 Bromobenzene
 Concen: 6.252 ug/l
 RT: 12.85 min Scan# 1796
 Delta R.T. 0.11 min
 Lab File: VW012834.D
 Acq: 09 Sep 2019 20:42

Tgt Ion: 156 Resp: 6056
 Ion Ratio Lower Upper
 156 100
 77 11.7 102.3 306.9#
 158 3.0 48.9 146.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 149.585 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C1-(4)

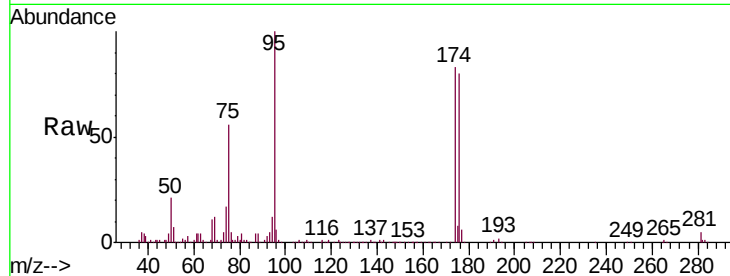
Tgt Ion: 75 Resp: 43111

Ion Ratio Lower Upper

75 100

53 1.1 87.6 131.4#

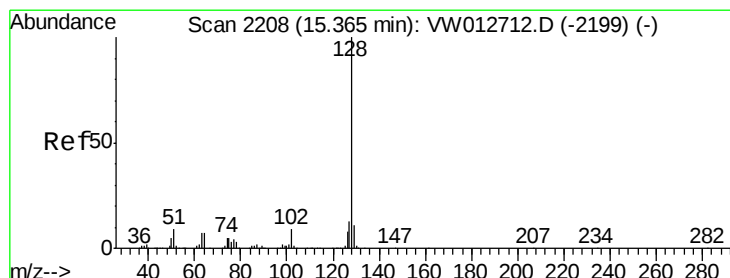
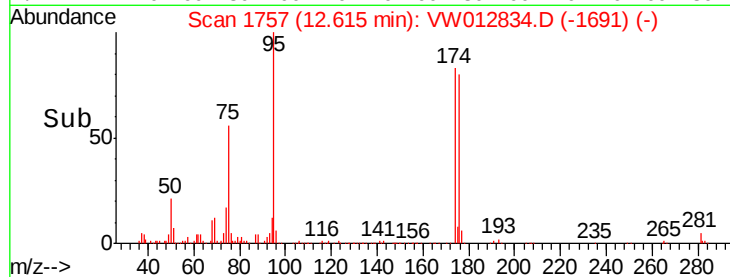
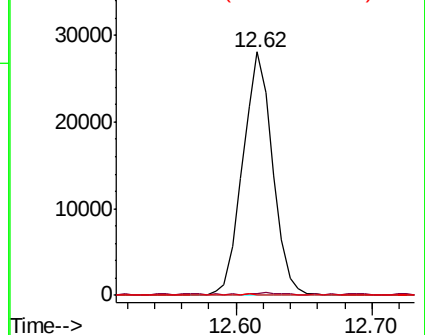
89 0.2 35.5 53.3#



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: 4.585 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012834.D

Acq: 09 Sep 2019 20:42

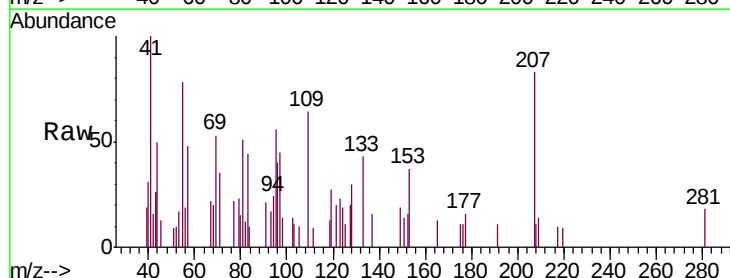
Tgt Ion: 128 Resp: 400

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 6.0 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

