

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012671.D
 Acq On : 06 Sep 2019 05:13
 Operator : SY/VA
 Sample : K4579-16
 Misc : 3.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B4-(3.5)

Quant Time: Sep 06 07:59:31 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	254695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124270	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	168369	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.22%		
35) Dibromofluoromethane	7.88	113	124401	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.60%		
50) Toluene-d8	10.32	98	528924	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.34%		
62) 4-Bromofluorobenzene	12.62	95	153264	42.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.12%		

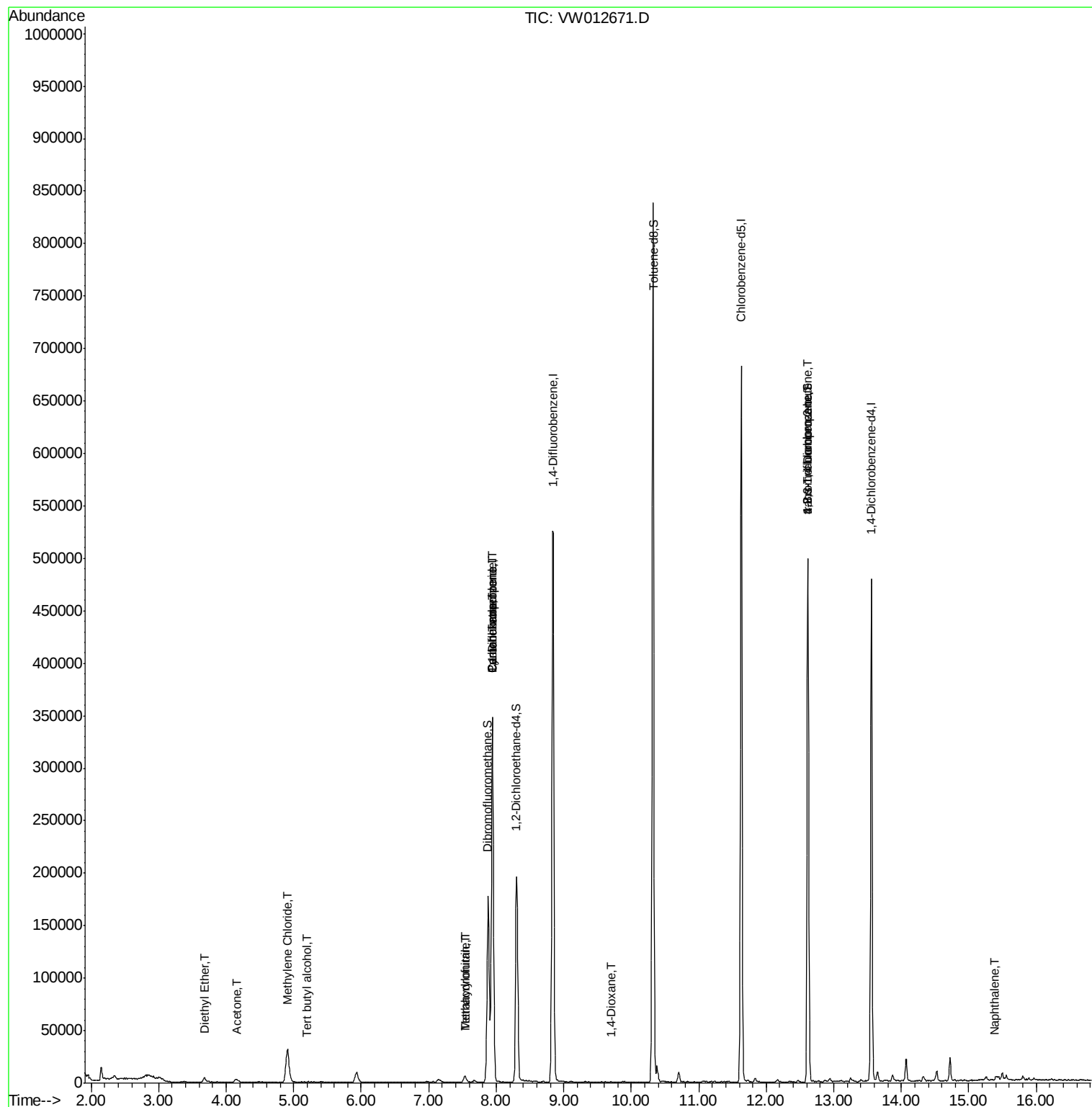
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2166	1.528	ug/l	95
11) Tert butyl alcohol	5.19	59	446	2.448	ug/l #	71
16) Acetone	4.15	43	6383	8.247	ug/l	94
20) Methylene Chloride	4.92	84	22764	7.780	ug/l #	91
29) Tetrahydrofuran	7.54	42	5426	8.599	ug/l #	92
31) Cyclohexane	7.95	56	6266	1.149	ug/l #	23
36) 1,1-Dichloropropene	7.94	75	20883	4.732	ug/l #	53
38) Carbon Tetrachloride	7.95	117	25818	6.759	ug/l #	17
41) Methacrylonitrile	7.53	41	3259	2.293	ug/l #	58
49) 1,4-Dioxane	9.71	88	23	1.041	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83483	68.977	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83483	151.235	ug/l #	6
95) Naphthalene	15.37	128	136	4.348	ug/l #	47

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
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: VW012671.D

Acq: 06 Sep 2019 05:13

Instrument :

MSVOA_W

ClientSampled :

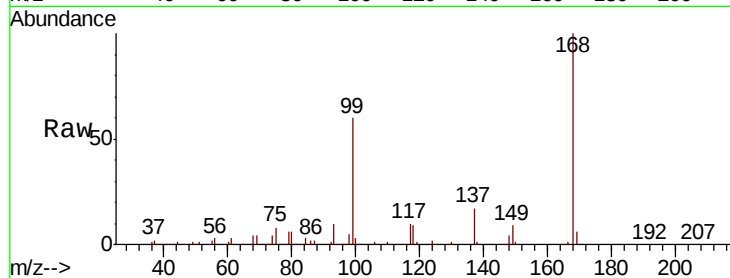
PAR-12-B4-(3.5)

Tgt Ion:168 Resp: 254695

Ion Ratio Lower Upper

168 100

99 59.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

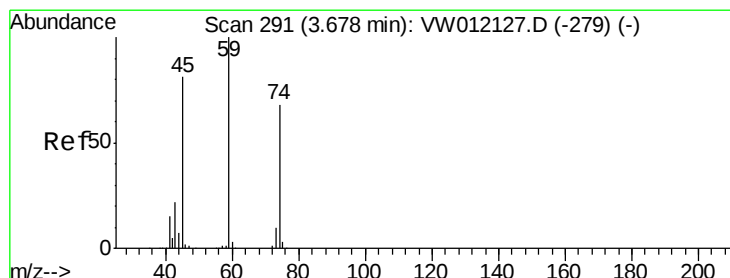
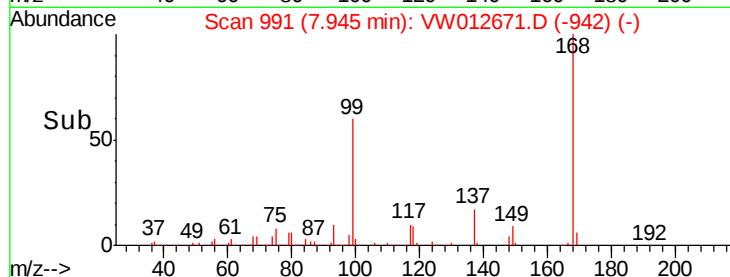
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.528 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012671.D

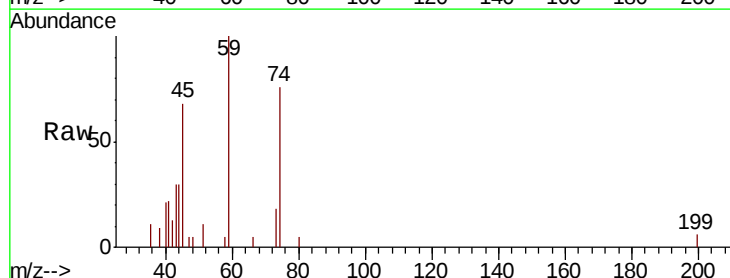
Acq: 06 Sep 2019 05:13

Tgt Ion: 74 Resp: 2166

Ion Ratio Lower Upper

74 100

45 113.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

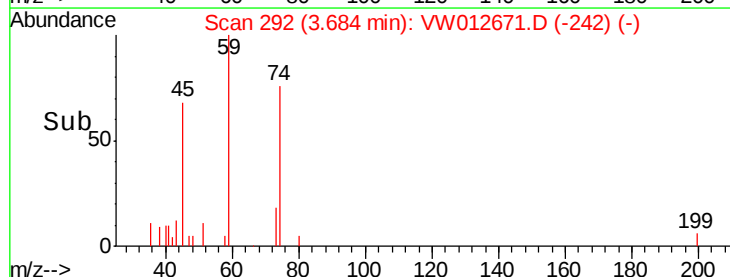
600

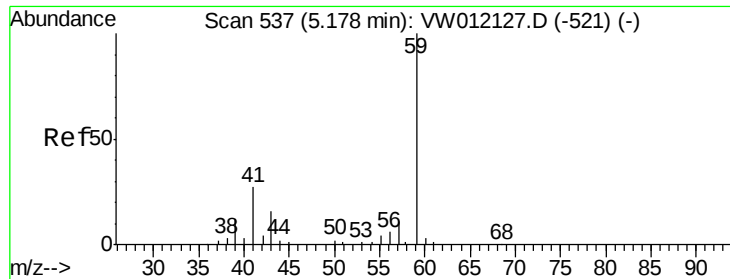
400

200

0

Time--> 3.60 3.65 3.70 3.75

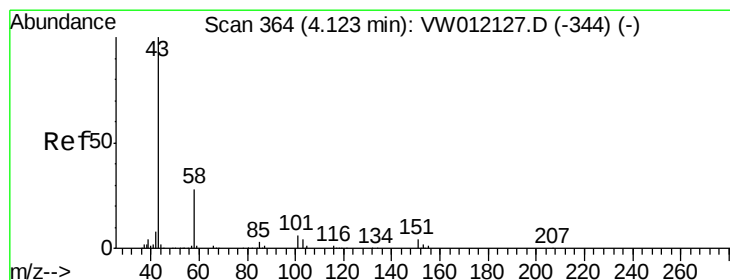
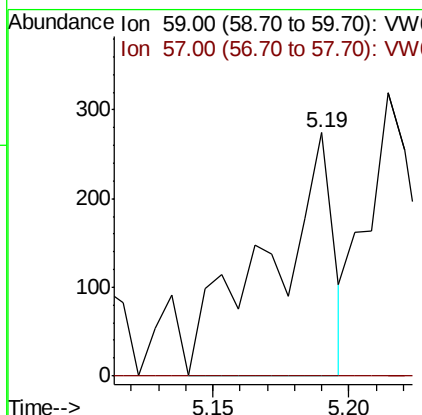
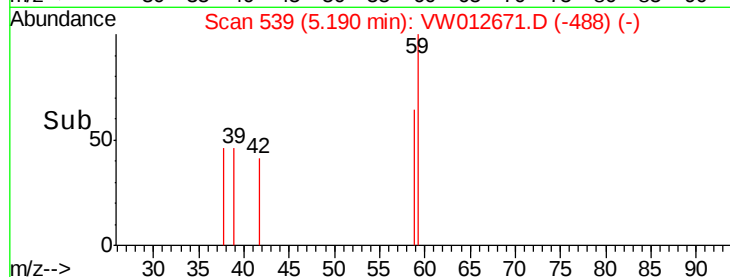
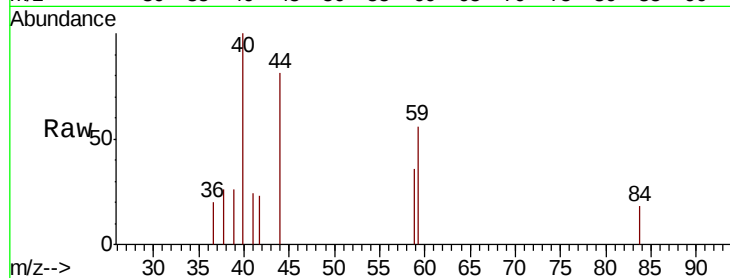




#11
Tert butyl alcohol
Concen: 2.448 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

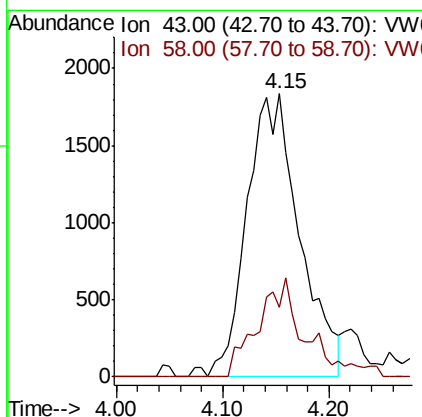
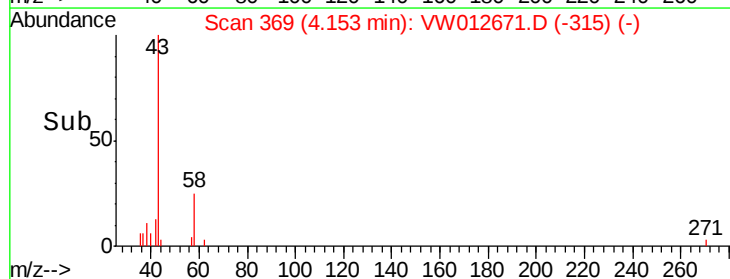
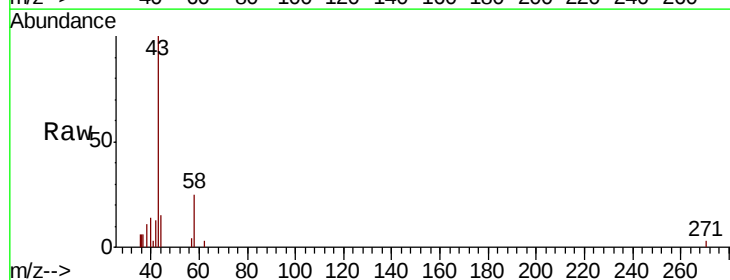
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

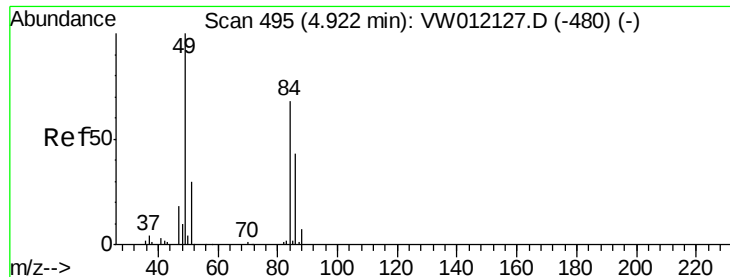
Tgt Ion: 59 Resp: 446
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 8.247 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Tgt Ion: 43 Resp: 6383
Ion Ratio Lower Upper
43 100
58 24.7 22.4 33.6

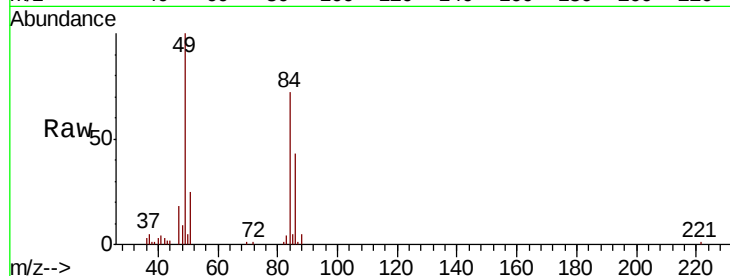




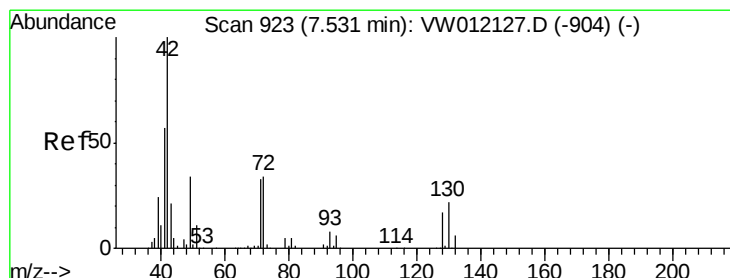
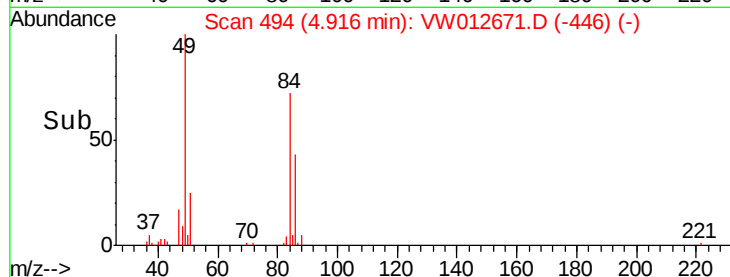
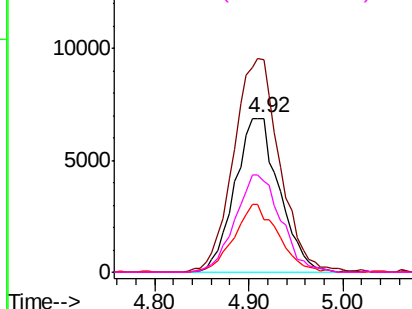
#20
Methylene Chloride
Concen: 7.780 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

Tgt Ion: 84 Resp: 22764
Ion Ratio Lower Upper
84 100
49 137.4 117.8 176.8
51 34.5 35.6 53.4#
86 59.2 51.2 76.8

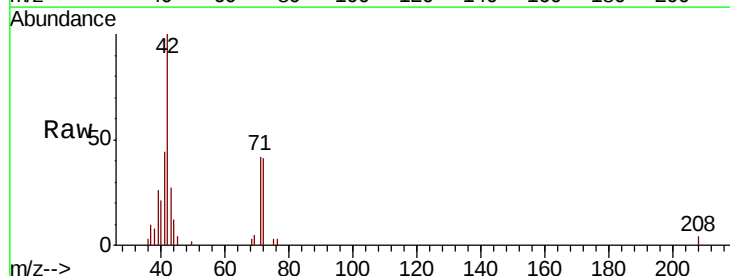


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

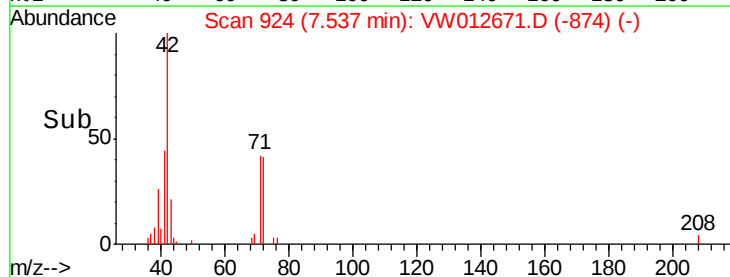
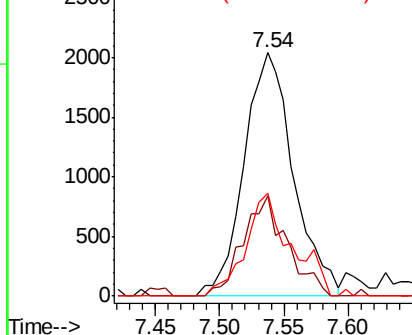


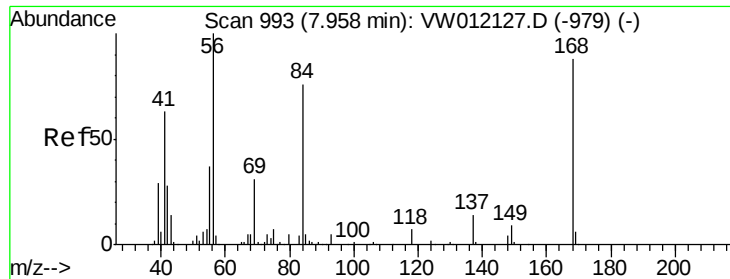
#29
Tetrahydrofuran
Concen: 8.599 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Tgt Ion: 42 Resp: 5426
Ion Ratio Lower Upper
42 100
72 36.6 27.3 40.9
71 38.8 25.5 38.3#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

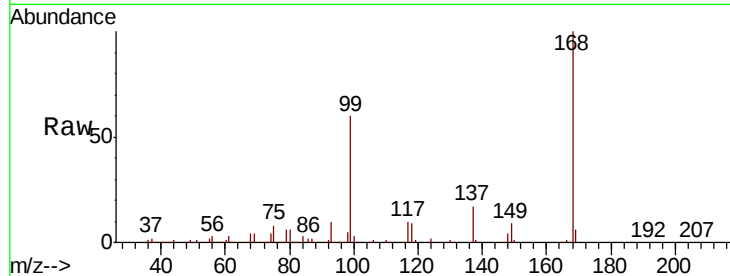




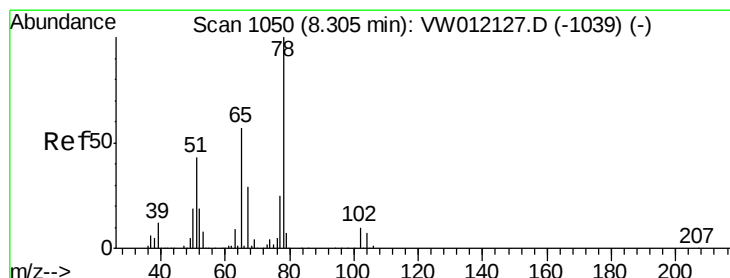
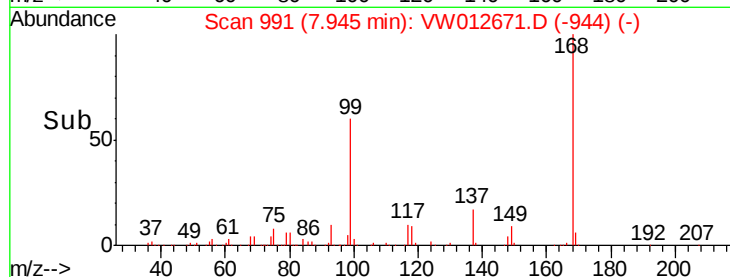
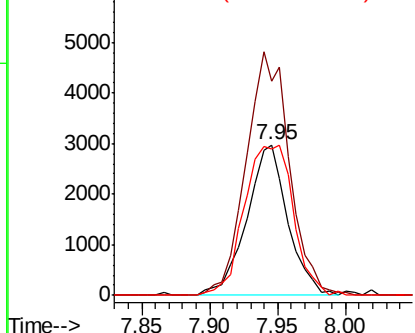
#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

Tgt Ion: 56 Resp: 6266
Ion Ratio Lower Upper
56 100
69 142.2 24.9 37.3#
84 97.8 60.6 90.8#

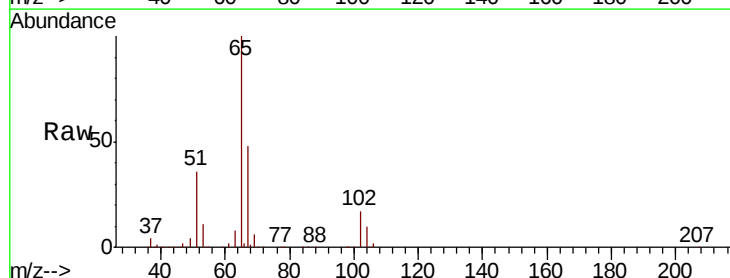


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

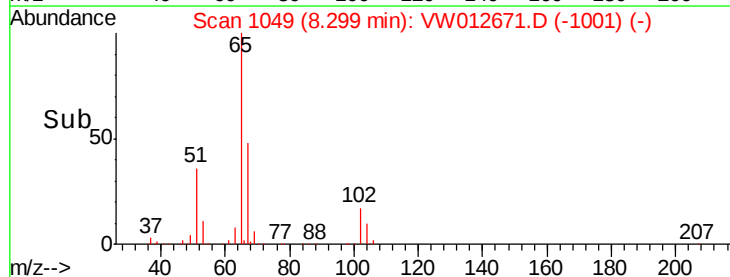
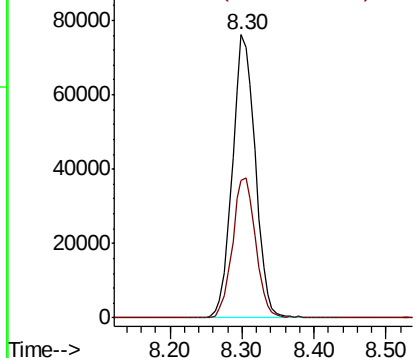


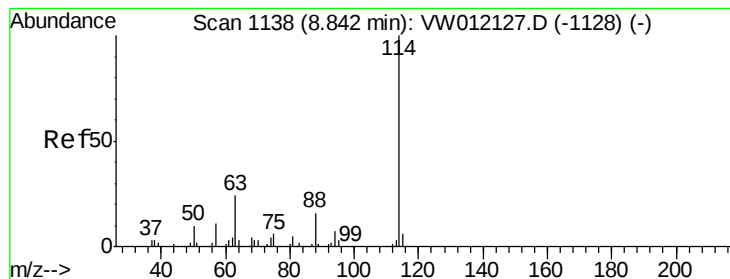
#33
1,2-Dichloroethane-d4
Concen: 55.610 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Tgt Ion: 65 Resp: 168369
Ion Ratio Lower Upper
65 100
67 50.2 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: VW012671.D

Acq: 06 Sep 2019 05:13

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B4-(3.5)

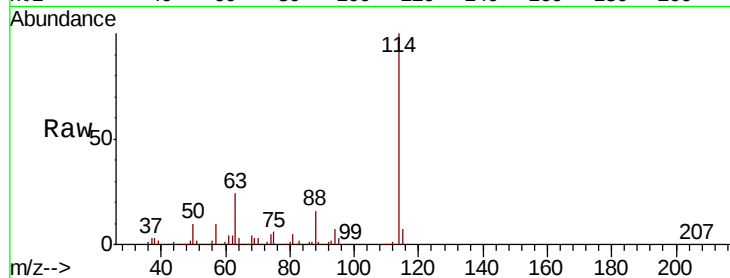
Tgt Ion:114 Resp: 427083

Ion Ratio Lower Upper

114 100

63 23.7 0.0 48.6

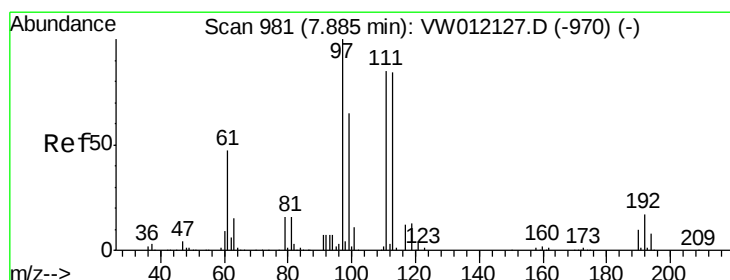
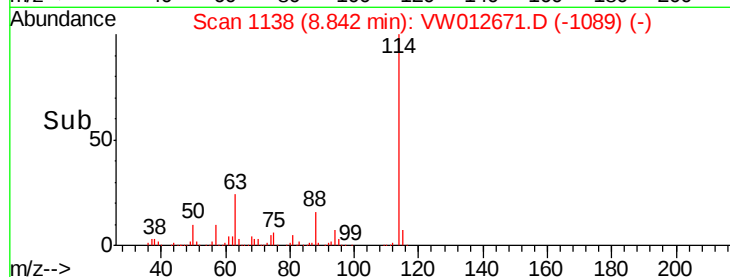
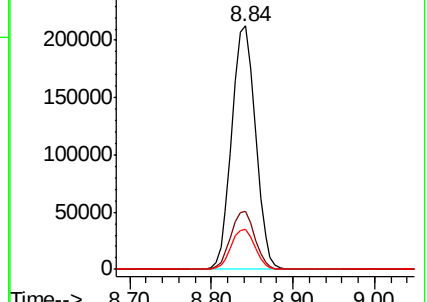
88 16.4 0.0 32.2



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: 48.799 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012671.D

Acq: 06 Sep 2019 05:13

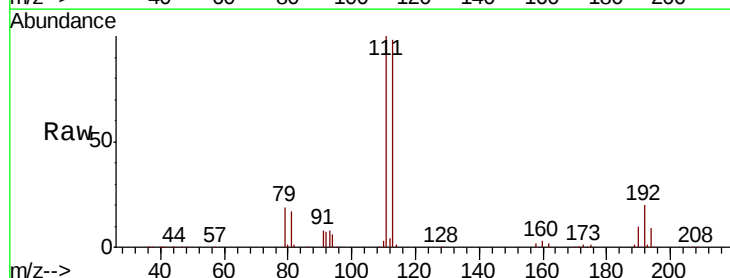
Tgt Ion:113 Resp: 124401

Ion Ratio Lower Upper

113 100

111 104.1 82.7 124.1

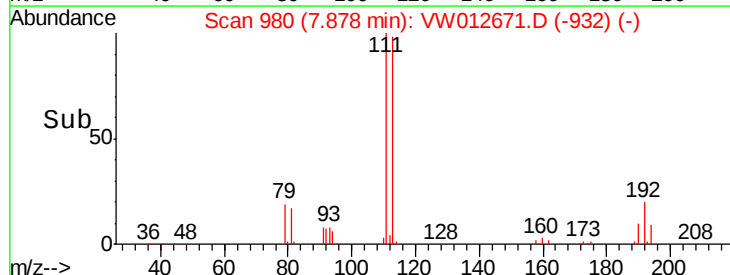
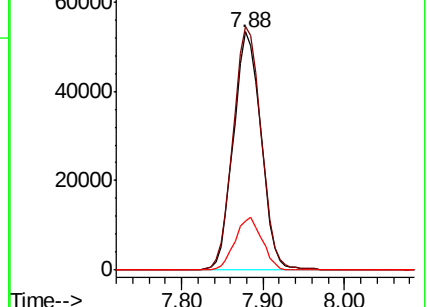
192 21.6 16.2 24.2

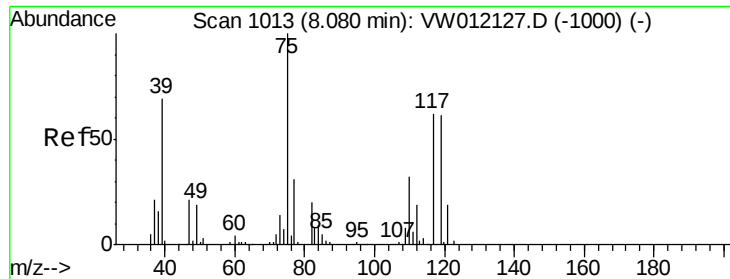


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.732 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012671.D

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PAR-12-B4-(3.5)

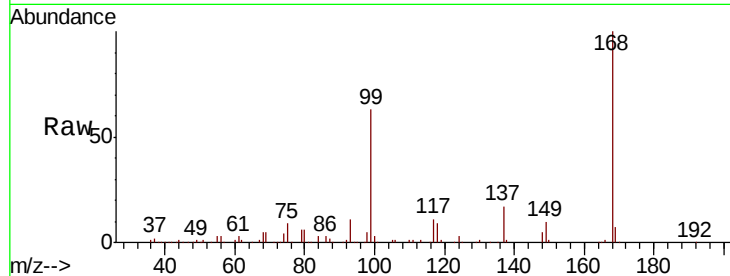
Tgt Ion: 75 Resp: 20883

Ion Ratio Lower Upper

75 100

110 9.7 15.6 46.8#

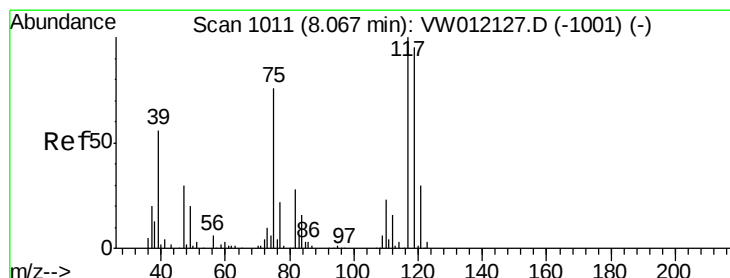
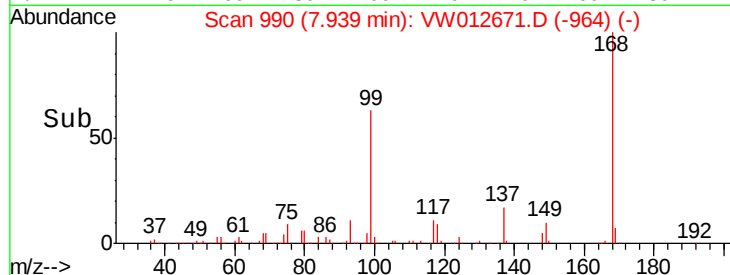
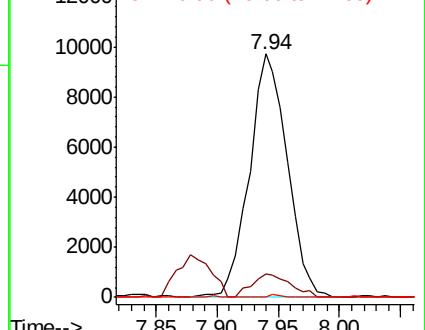
77 0.4 24.6 36.8#



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: 6.759 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012671.D

Acq: 06 Sep 2019 05:13

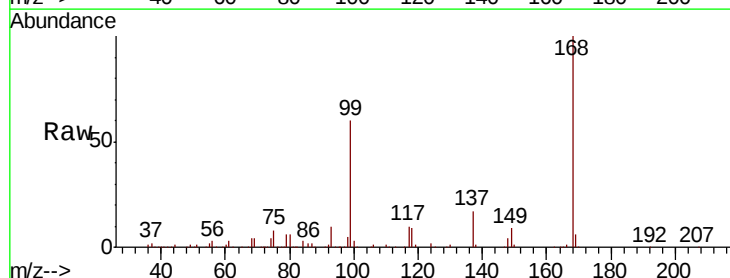
Tgt Ion: 117 Resp: 25818

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.2#

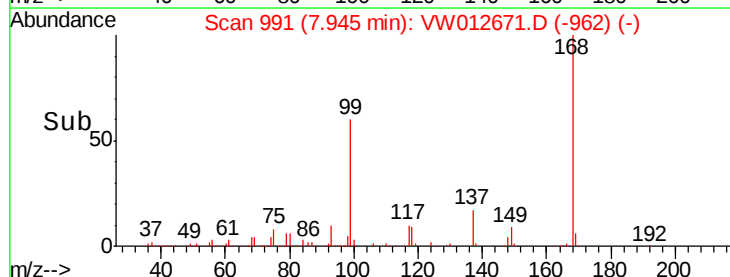
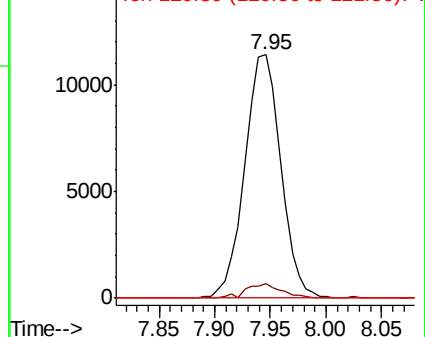
121 0.0 23.8 35.8#

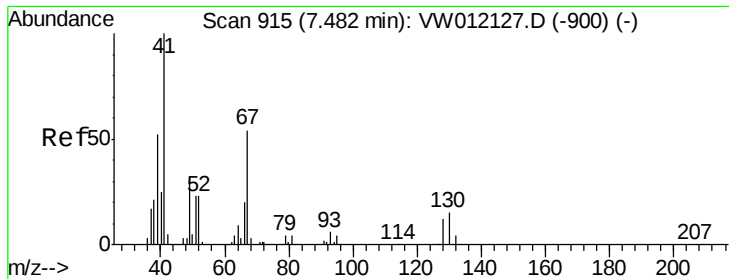


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 2.293 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012671.D

Acq: 06 Sep 2019 05:13

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B4-(3.5)

Tgt Ion: 41 Resp: 3259

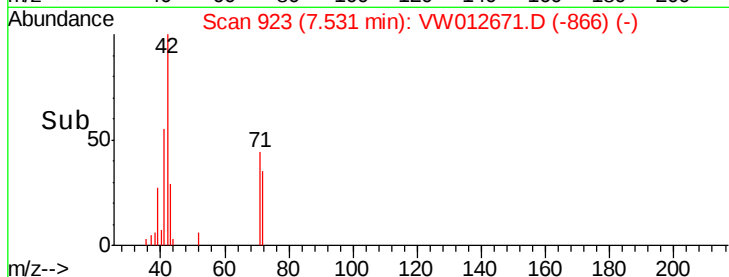
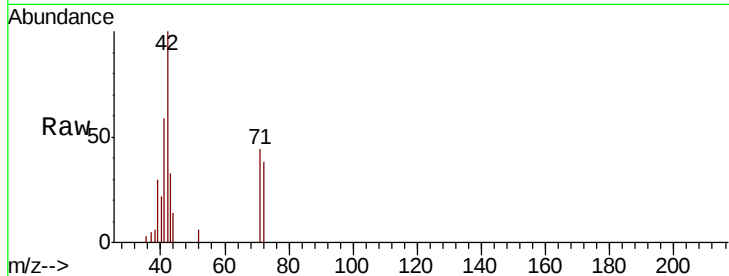
Ion Ratio Lower Upper

41 100

39 60.1 45.8 68.8

67 0.0 46.2 69.4#

52 2.0 21.0 31.6#

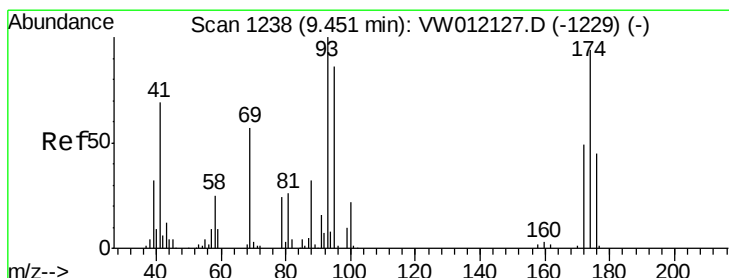
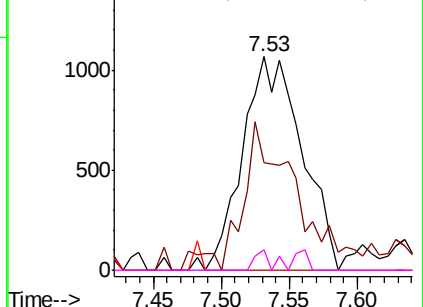


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#49

1,4-Dioxane

Concen: 1.041 ug/l

RT: 9.71 min Scan# 1280

Delta R.T. 0.26 min

Lab File: VW012671.D

Acq: 06 Sep 2019 05:13

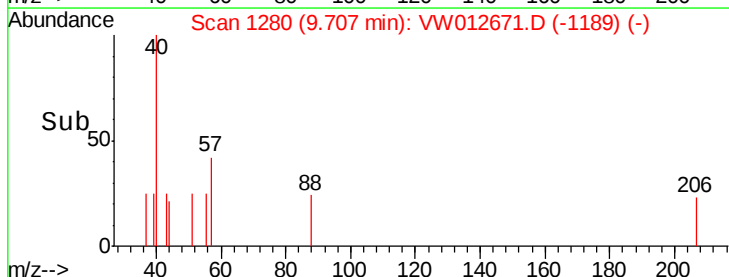
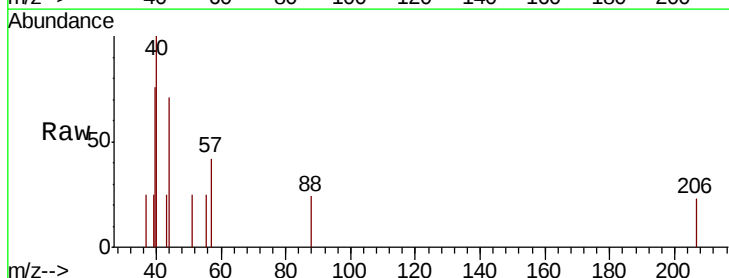
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 334.8 32.9 49.3#

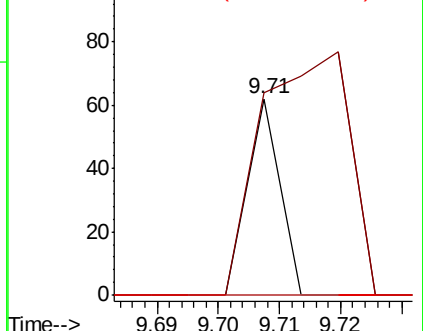
58 0.0 71.0 106.4#

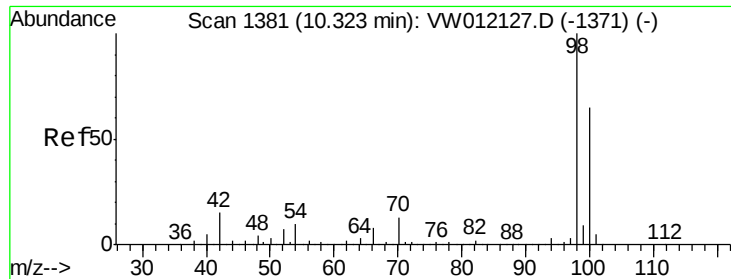


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

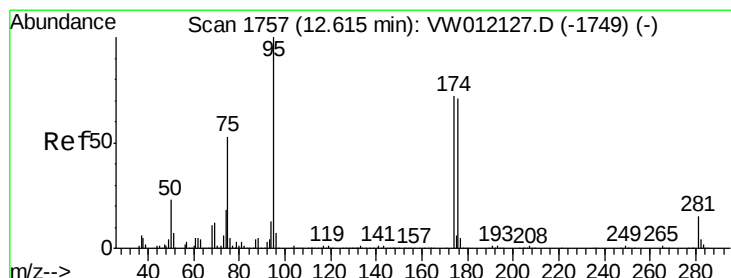
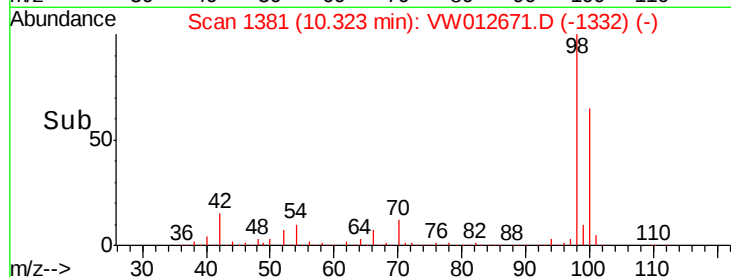
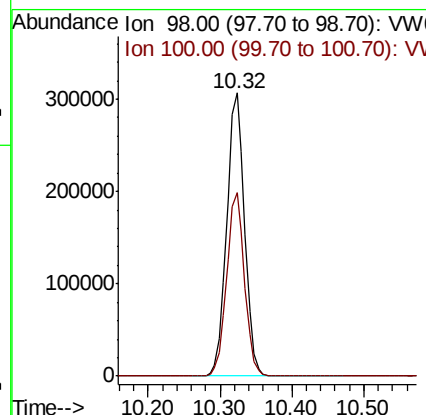
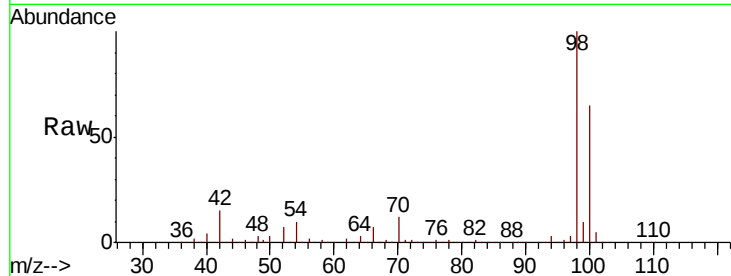




#50
Toluene-d8
Concen: 51.170 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

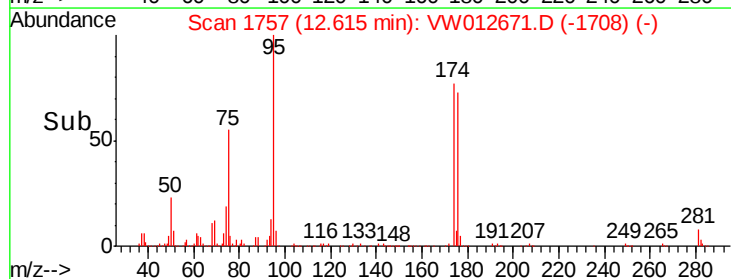
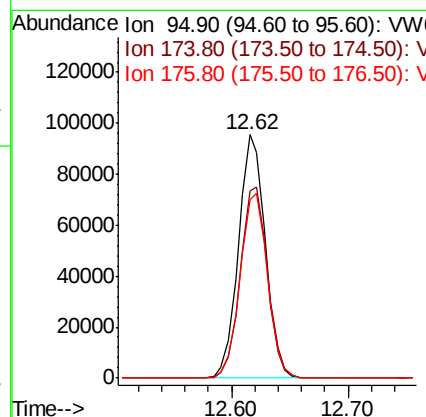
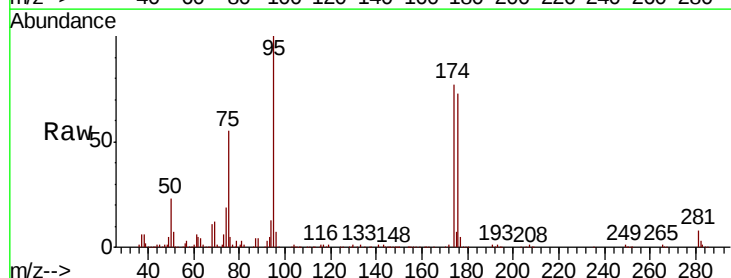
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

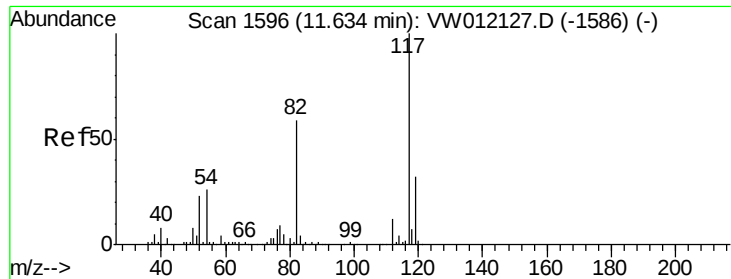
Tgt Ion: 98 Resp: 528924
Ion Ratio Lower Upper
98 100
100 64.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.064 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Tgt Ion: 95 Resp: 153264
Ion Ratio Lower Upper
95 100
174 80.2 0.0 150.8
176 77.6 0.0 148.6

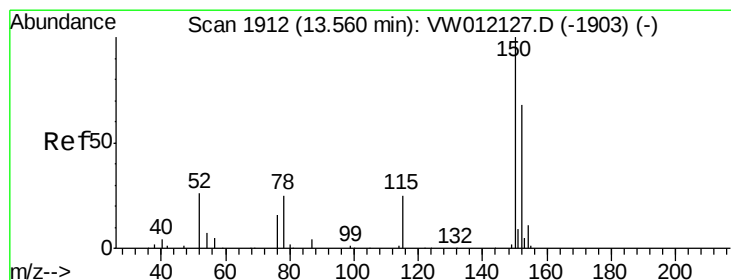
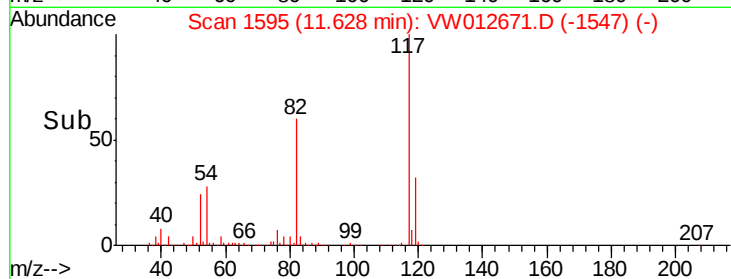
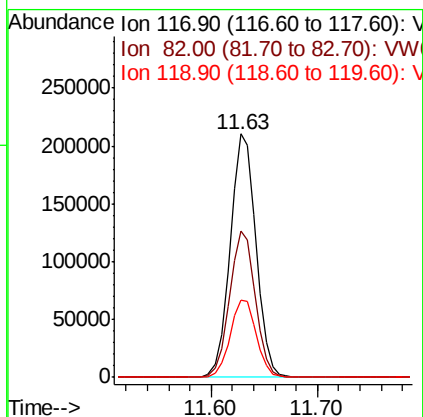
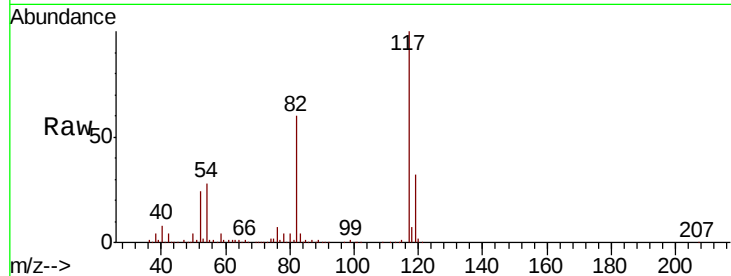




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

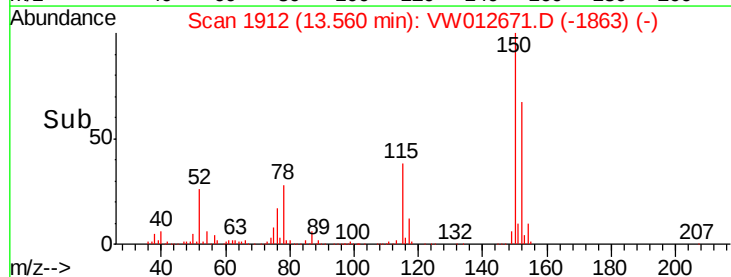
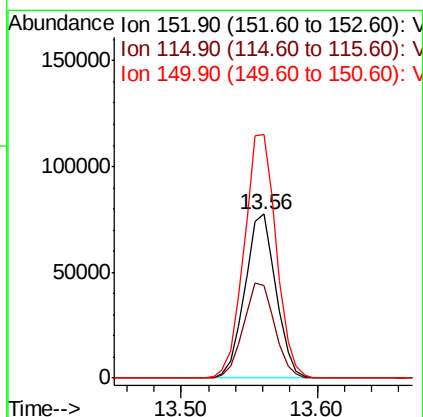
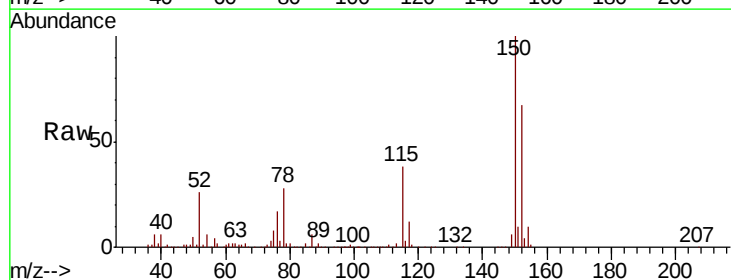
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

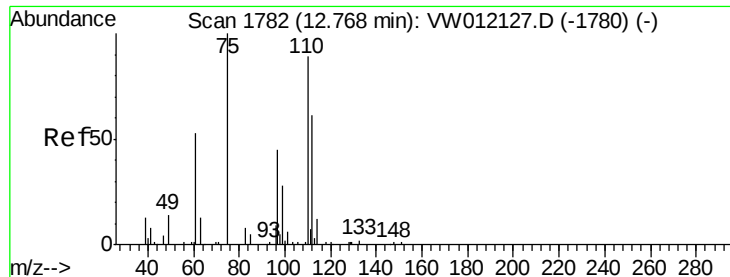
Tgt Ion:117 Resp: 356279
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Tgt Ion:152 Resp: 124270
Ion Ratio Lower Upper
152 100
115 58.6 30.1 90.3
150 152.8 0.0 345.8

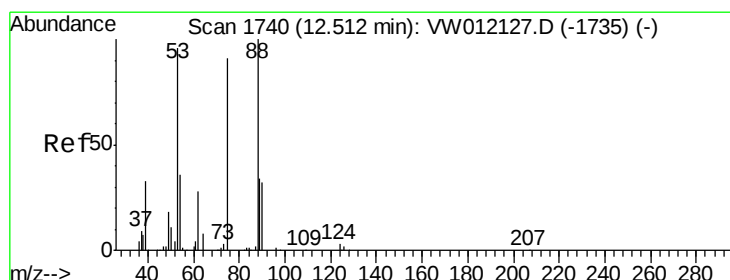
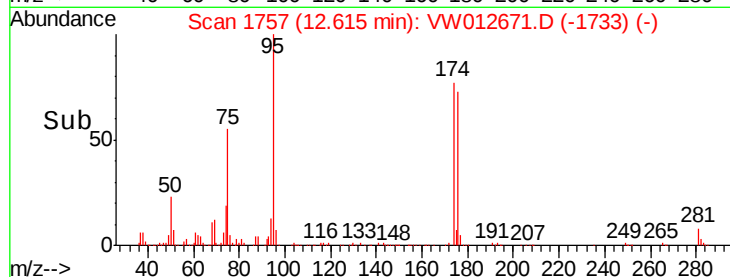
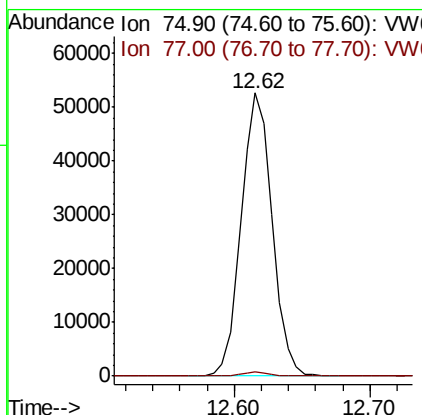
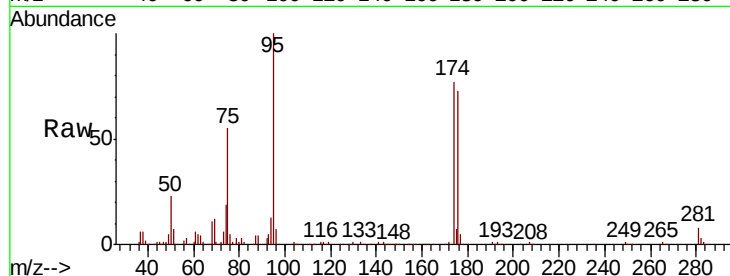




#76
 1,2,3-Trichloropropane
 Concen: 68.977 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012671.D
 Acq: 06 Sep 2019 05:13

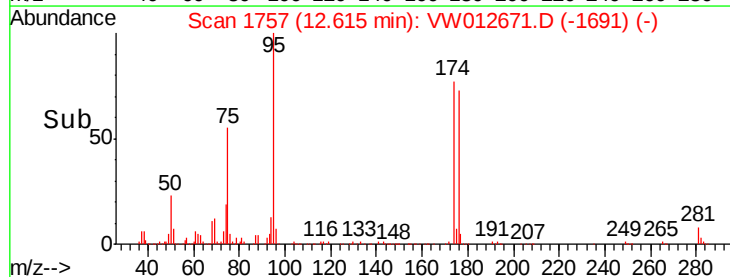
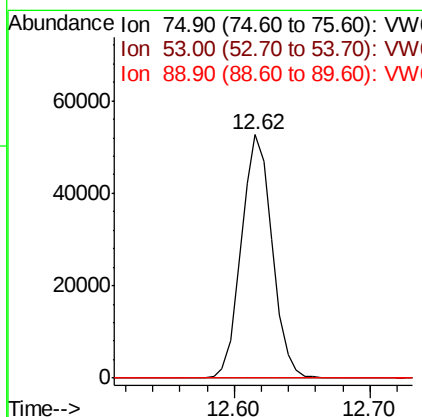
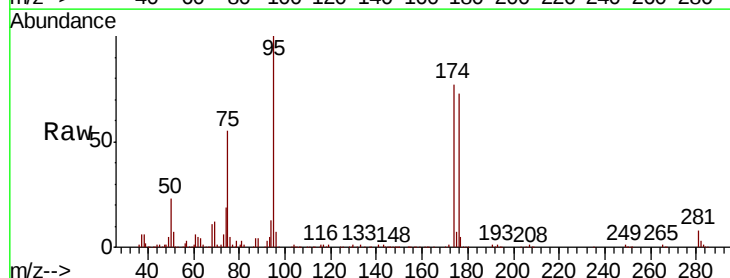
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B4-(3.5)

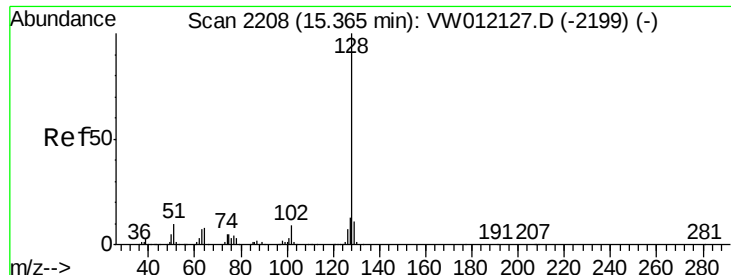
Tgt Ion: 75 Resp: 83483
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.235 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012671.D
 Acq: 06 Sep 2019 05:13

Tgt Ion: 75 Resp: 83483
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.348 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012671.D
Acq: 06 Sep 2019 05:13

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B4-(3.5)

Tgt Ion:128 Resp: 136
Ion Ratio Lower Upper
128 100
127 42.6 10.7 16.1#
129 0.0 8.7 13.1#

