

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012868.D
 Acq On : 10 Sep 2019 14:16
 Operator : SY/VA
 Sample : K4623-20RE
 Misc : 6.17G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-E3-(0)

Quant Time: Sep 10 17:49:09 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	222770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	118764	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	7.88	113	98294	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	10.32	98	391805	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.62	95	114100	39.72	ug/l	0.00
Spiked Amount			Recovery	=	79.44%	

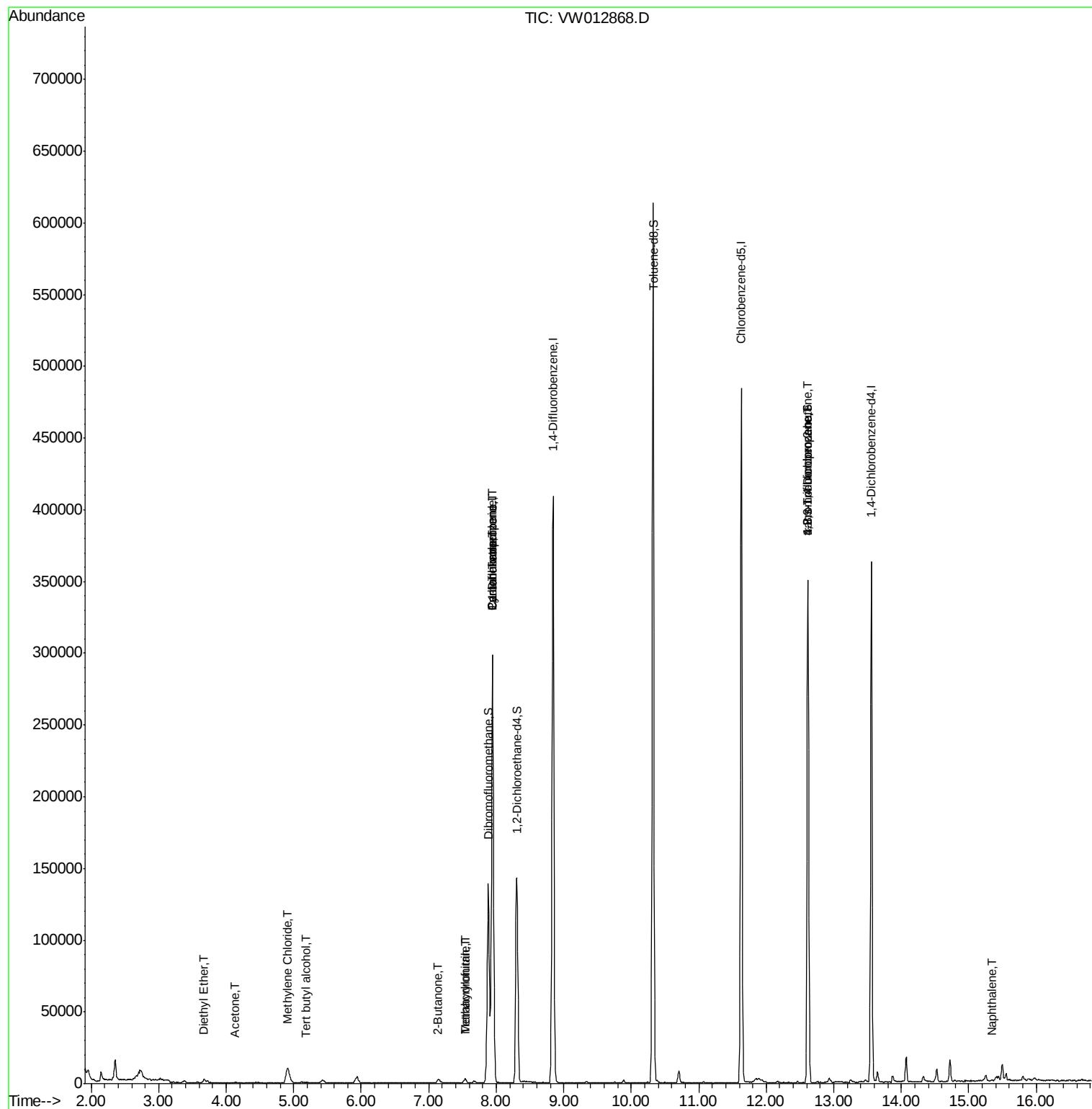
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1218	1.167	ug/l #	30
11) Tert butyl alcohol	5.18	59	378	1.985	ug/l #	72
16) Acetone	4.14	43	1142	1.683	ug/l #	87
20) Methylene Chloride	4.92	84	7967	3.753	ug/l #	79
25) 2-Butanone	7.15	43	224	19.887	ug/l #	52
29) Tetrahydrofuran	7.54	42	2520	4.599	ug/l #	84
31) Cyclohexane	7.94	56	5140	1.405	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17129	5.675	ug/l #	51
38) Carbon Tetrachloride	7.94	117	20210	6.793	ug/l #	17
41) Methacrylonitrile	7.54	41	1495	4.894	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	60210	61.334	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60210	129.726	ug/l #	6
95) Naphthalene	15.35	128	249	4.495	ug/l #	70

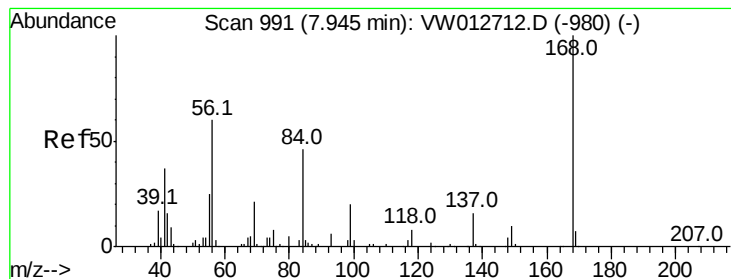
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091019\
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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: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

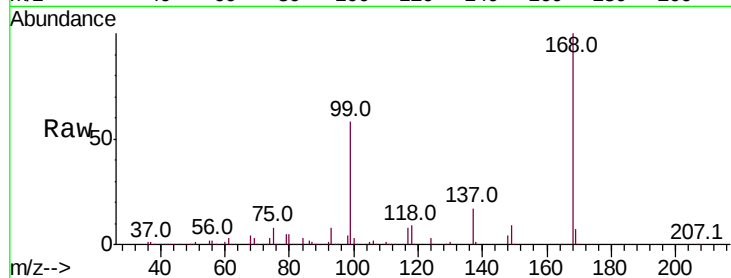
PAR-11-E3-(0)

Tot Ion:168 Resp: 222770

Ion Ratio Lower Upper

168 100

99 57.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

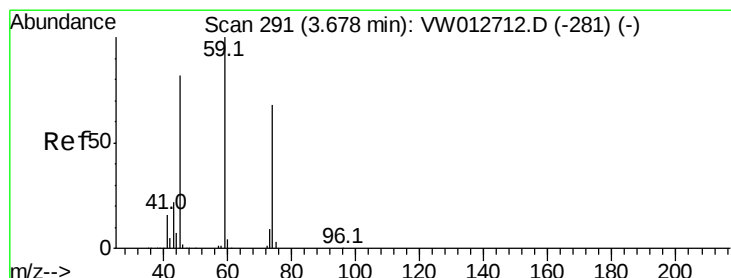
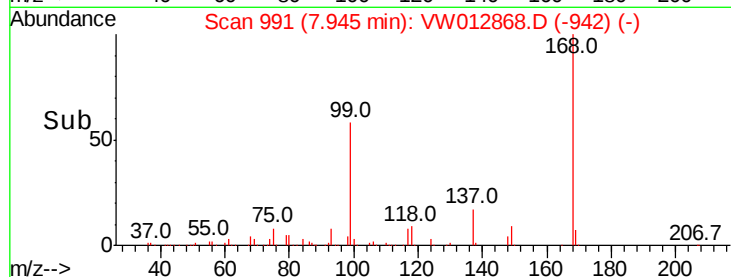
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.167 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012868.D

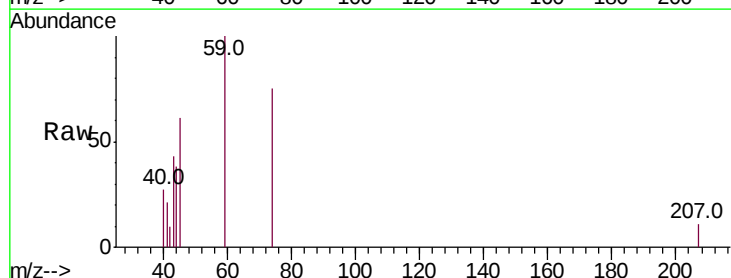
Acq: 10 Sep 2019 14:16

Tgt Ion: 74 Resp: 1218

Ion Ratio Lower Upper

74 100

45 41.1 58.8 176.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

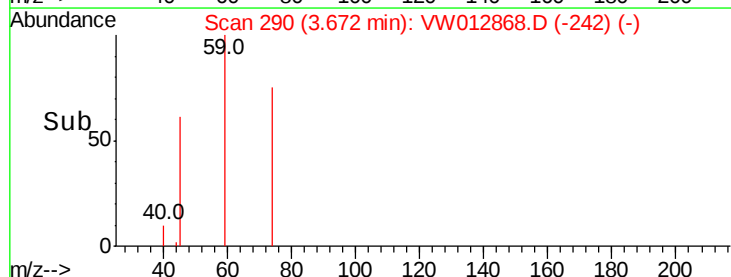
600

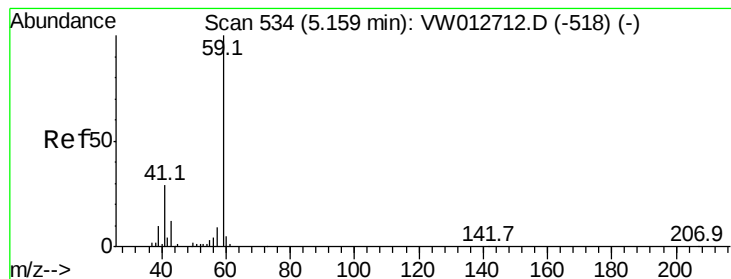
400

200

0

Time--> 3.60 3.65 3.70 3.75



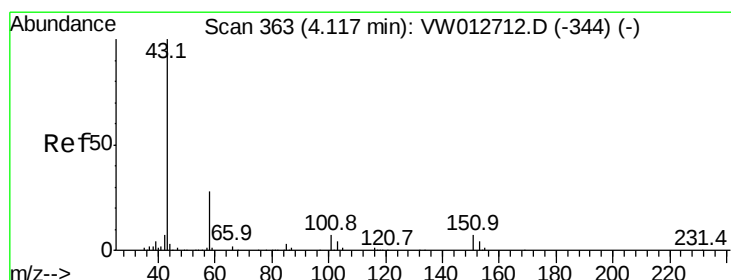
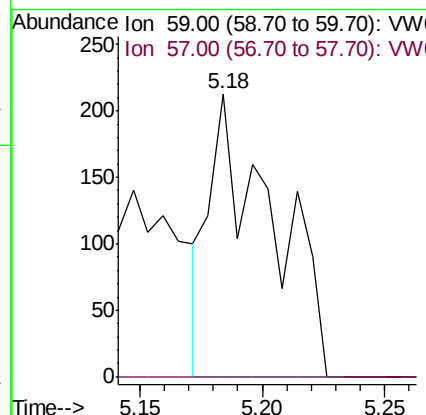
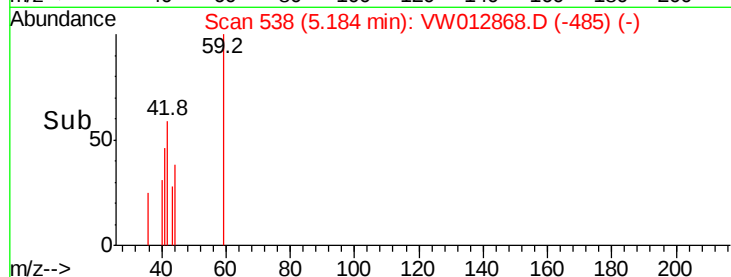
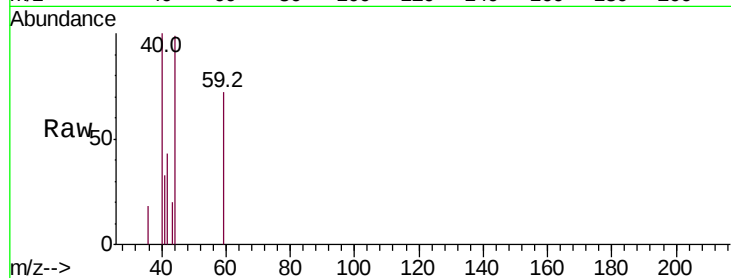


#11

Tert butvl alcohol
 Concen: 1.985 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW012868.D
 Acq: 10 Sep 2019 14:16

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-E3-(0)

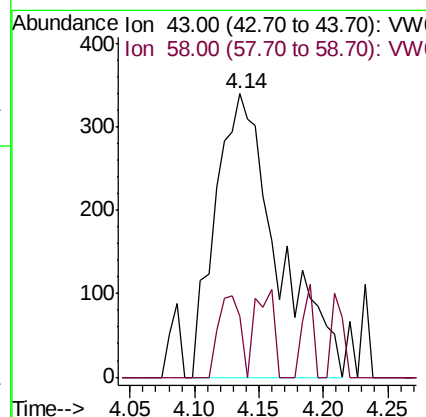
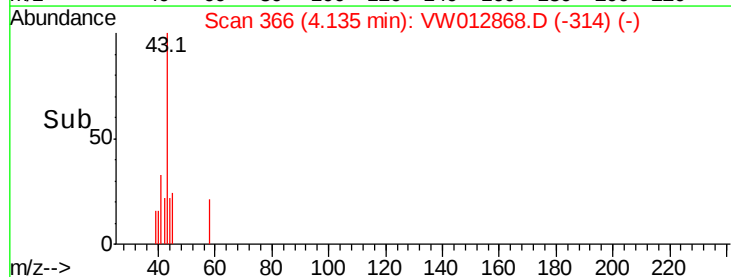
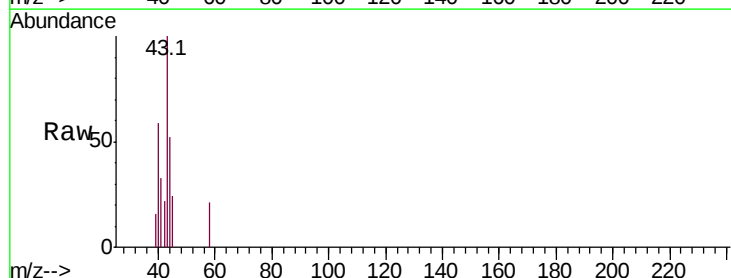
Tot Ion: 59 Resp: 378
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

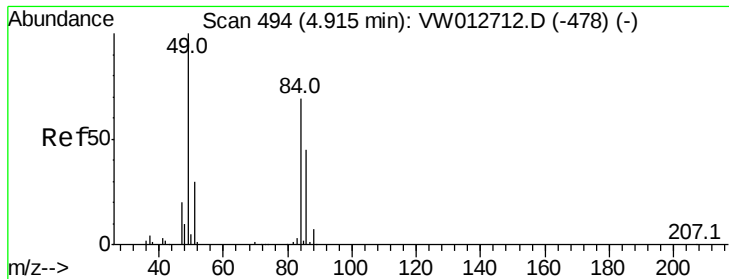


#16

Acetone
 Concen: 1.683 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW012868.D
 Acq: 10 Sep 2019 14:16

Tgt Ion: 43 Resp: 1142
 Ion Ratio Lower Upper
 43 100
 58 21.5 22.6 33.8#





#20

Methylene Chloride

Concen: 3.753 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E3-(0)

Tot Ion: 84 Resp: 7967

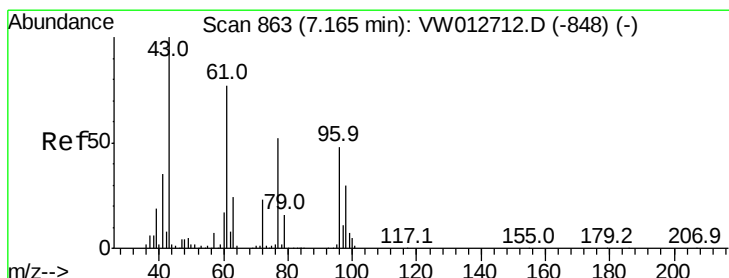
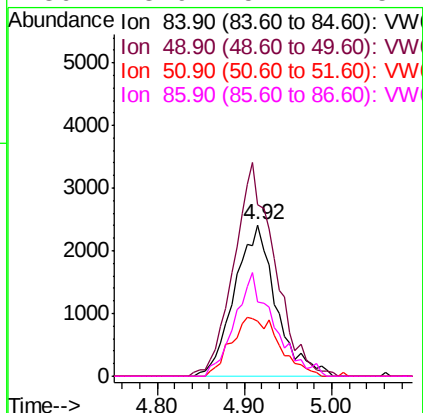
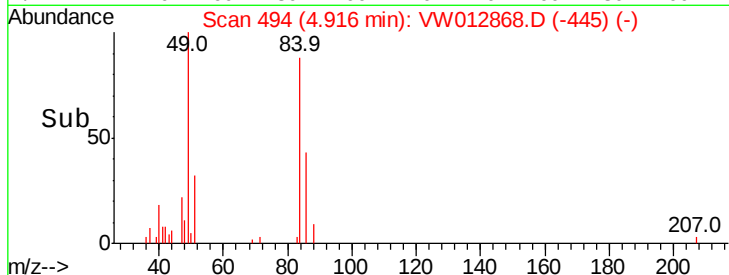
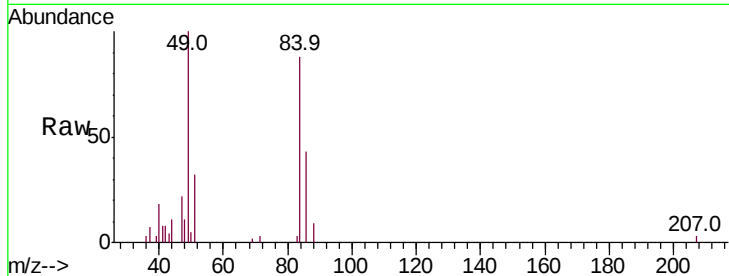
Ion Ratio Lower Upper

84 100

49 113.5 115.4 173.0#

51 36.4 34.9 52.3

86 48.9 52.2 78.4#



#25

2-Butanone

Concen: 19.887 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012868.D

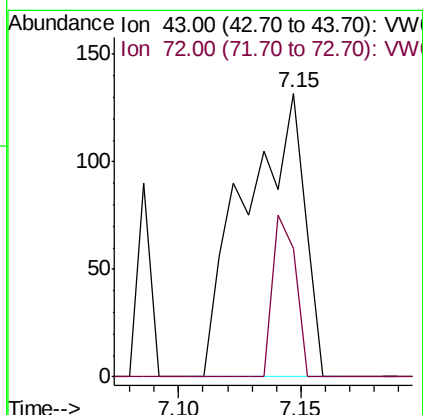
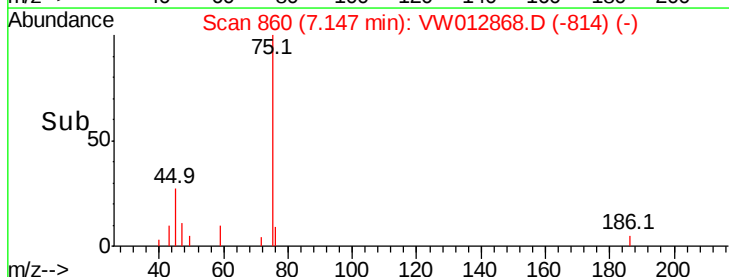
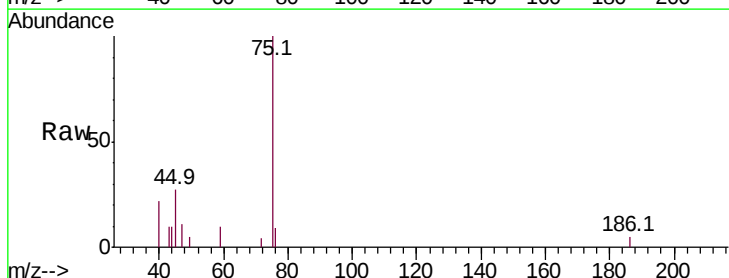
Acq: 10 Sep 2019 14:16

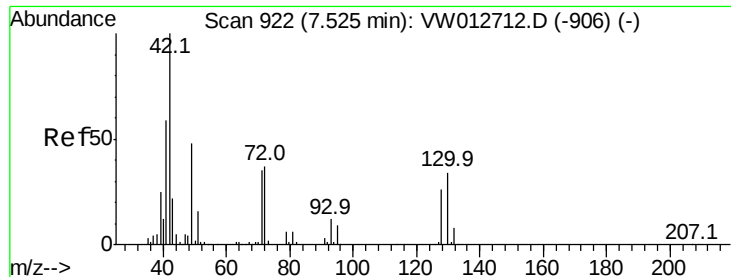
Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

72 45.5 18.0 27.0#





#29

Tetrahydrofuran

Concen: 4.599 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E3-(0)

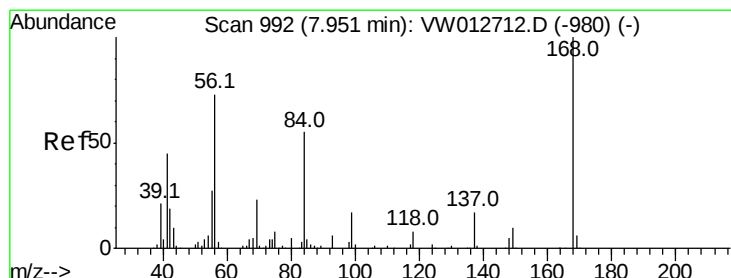
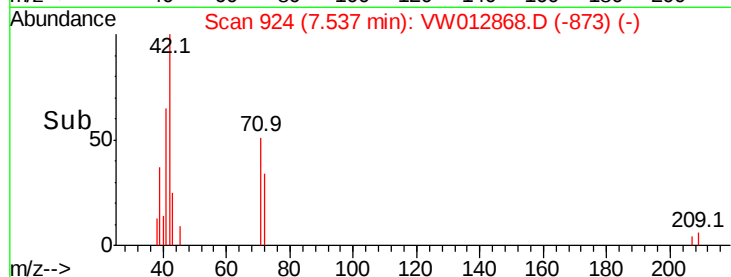
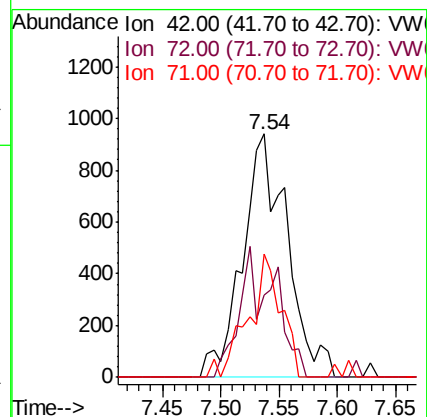
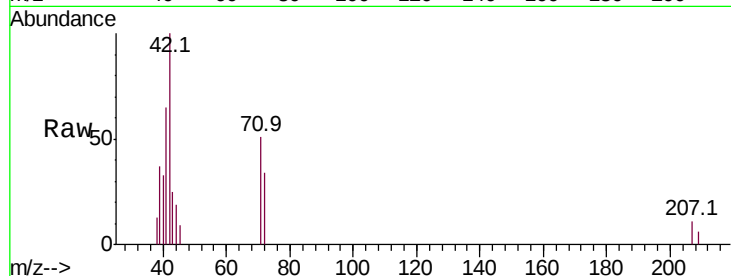
Tot Ion: 42 Resp: 2520

Ion Ratio Lower Upper

42 100

72 20.4 28.4 42.6#

71 37.1 27.1 40.7



#31

Cyclohexane

Concen: 1.405 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

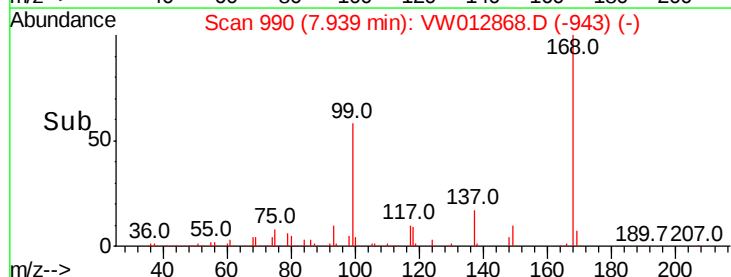
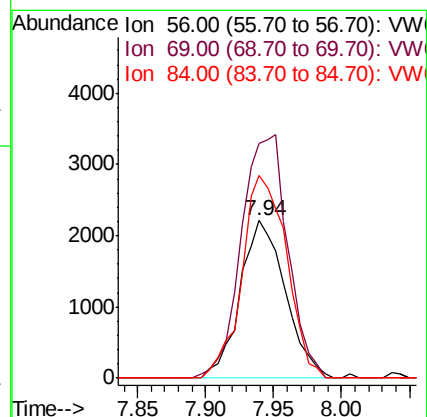
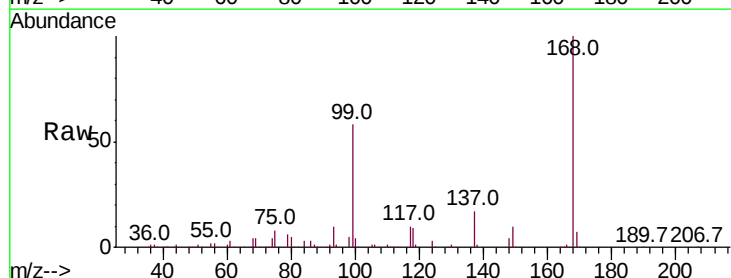
Tgt Ion: 56 Resp: 5140

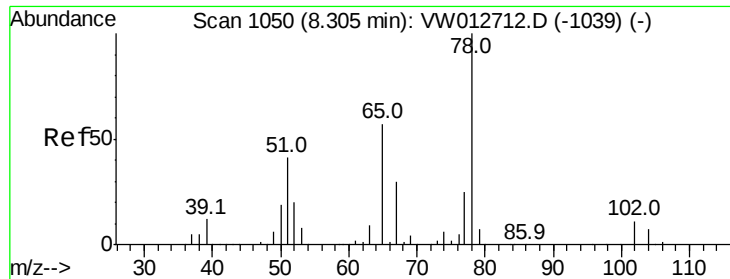
Ion Ratio Lower Upper

56 100

69 148.7 25.7 38.5#

84 128.6 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 47.714 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

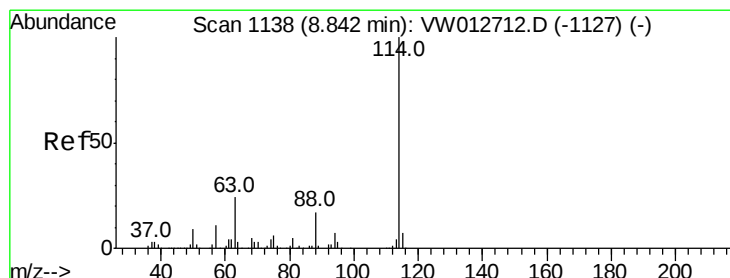
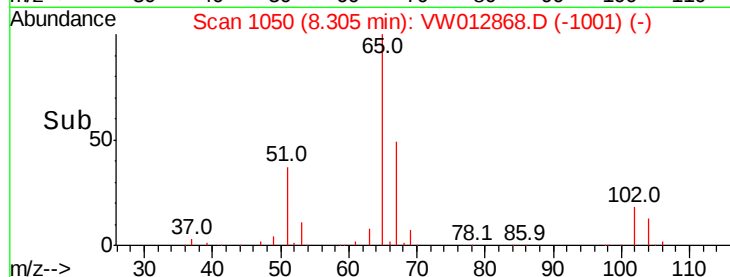
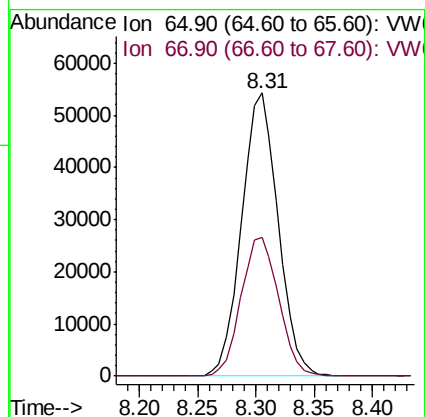
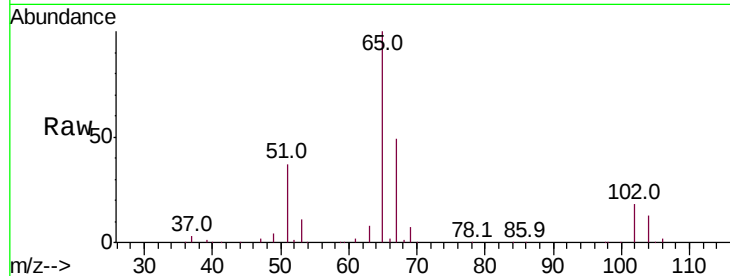
PAR-11-E3-(0)

Tot Ion: 65 Resp: 118764

Ion Ratio Lower Upper

65 100

67 50.6 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: VW012868.D

Acq: 10 Sep 2019 14:16

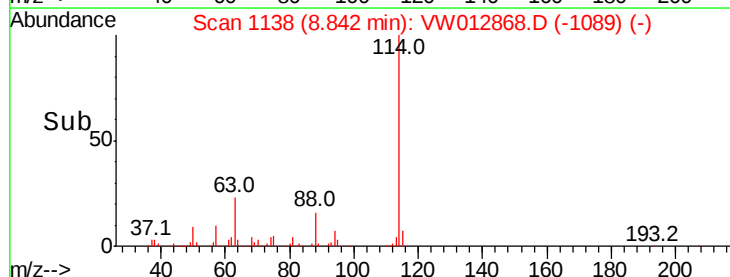
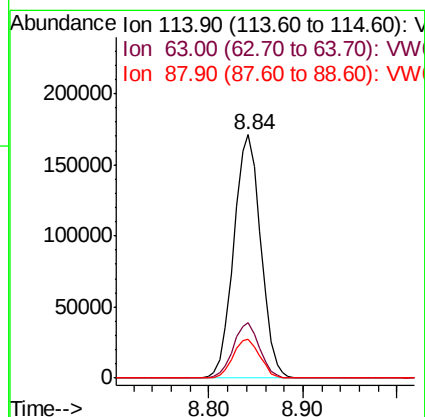
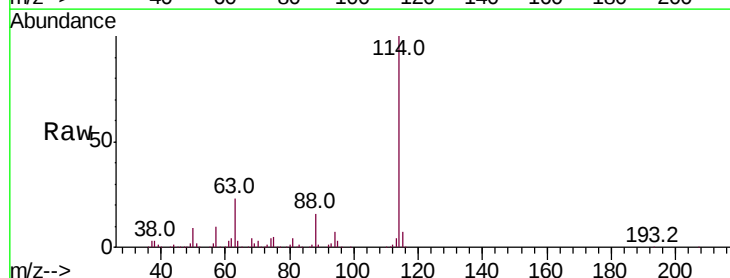
Tgt Ion: 114 Resp: 339680

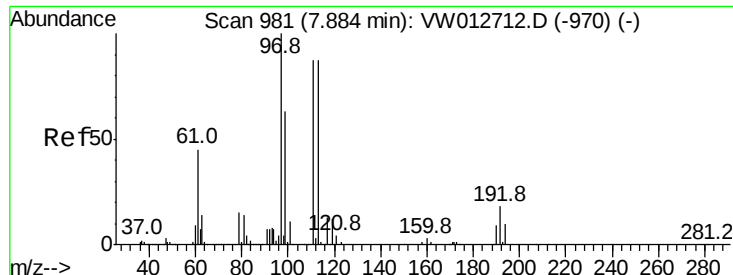
Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.2

88 15.9 0.0 34.0

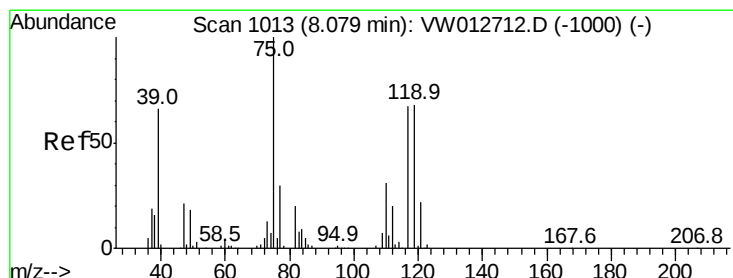
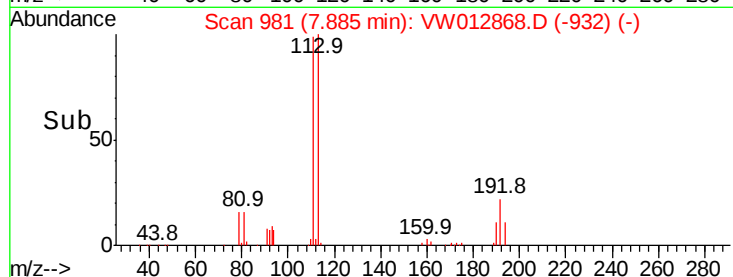
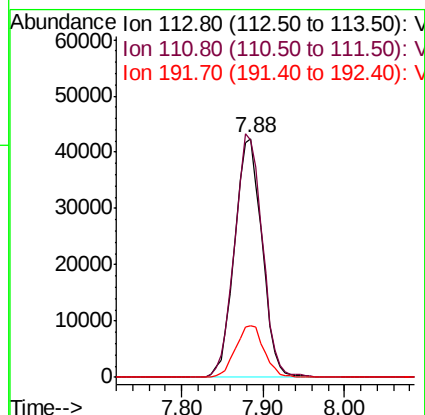
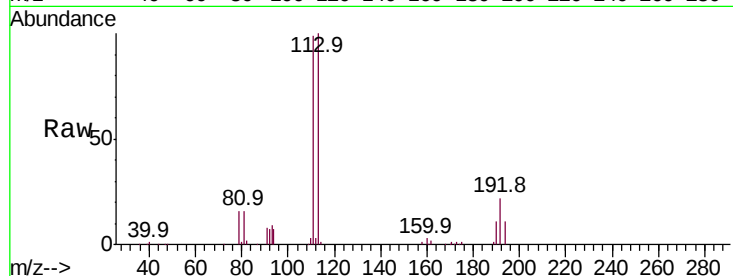




#35
 Dibromofluoromethane
 Concen: 48.673 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012868.D
 Acq: 10 Sep 2019 14:16

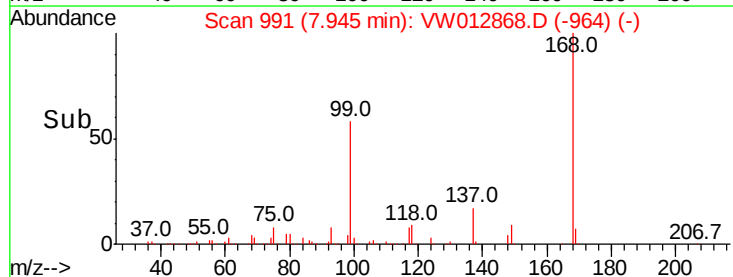
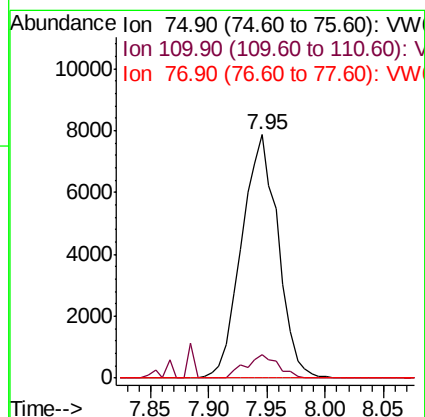
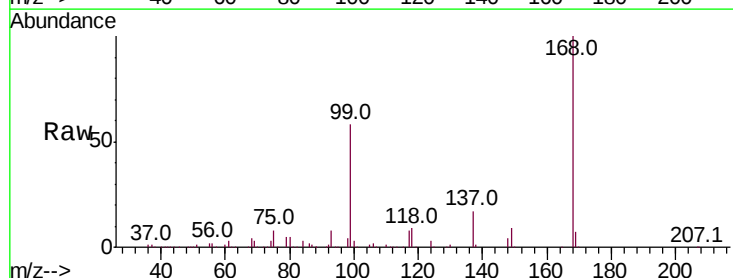
Instrument :
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 PAR-11-E3-(0)

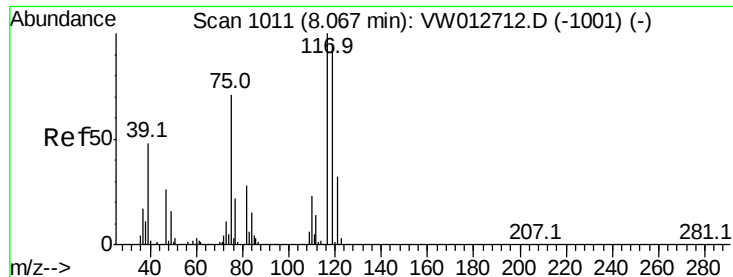
Tot Ion:113 Resp: 98294
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.2 120.4
 192 22.2 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 5.675 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012868.D
 Acq: 10 Sep 2019 14:16

Tgt Ion: 75 Resp: 17129
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.793 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E3-(0)

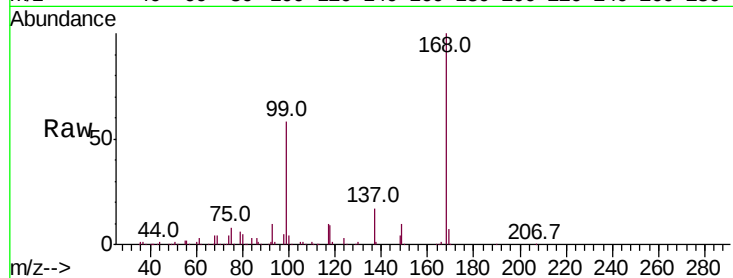
Tot Ion:117 Resp: 20210

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.2#

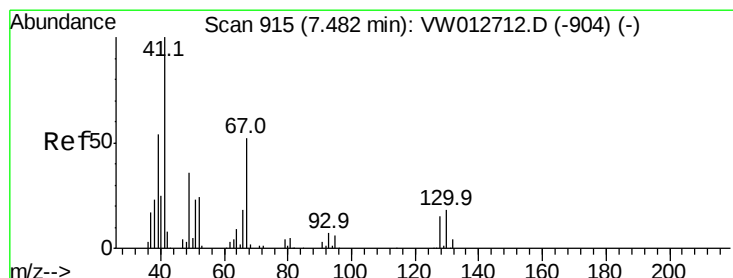
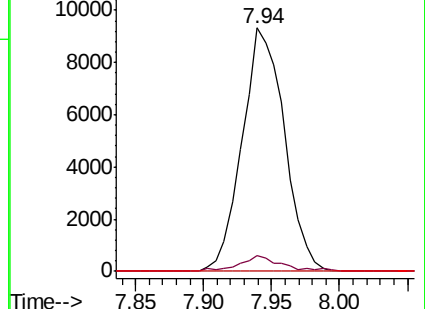
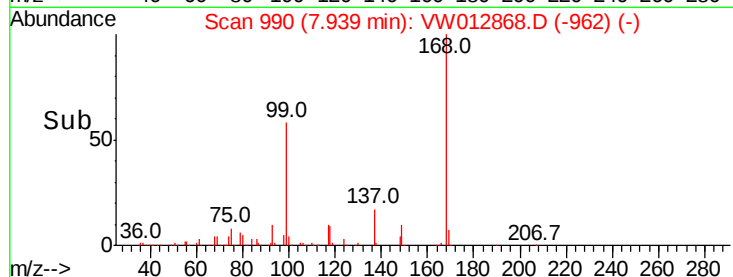
121 0.0 25.4 38.2#



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: 4.894 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Tgt Ion: 41 Resp: 1495

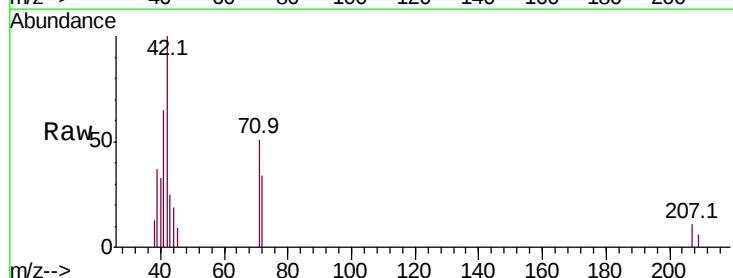
Ion Ratio Lower Upper

41 100

39 52.6 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

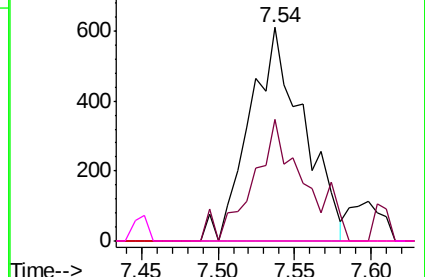
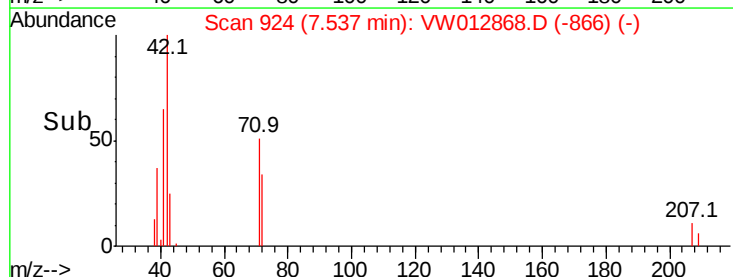


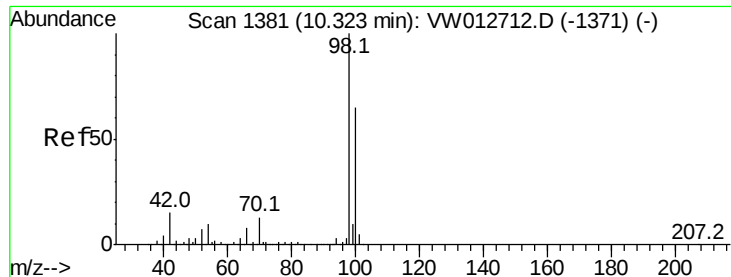
Abundance Ion 41.00 (40.70 to 41.70): VW

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

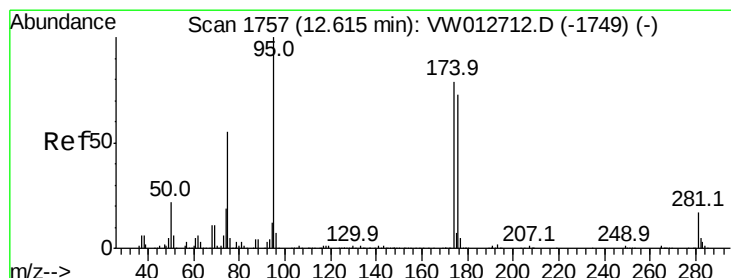
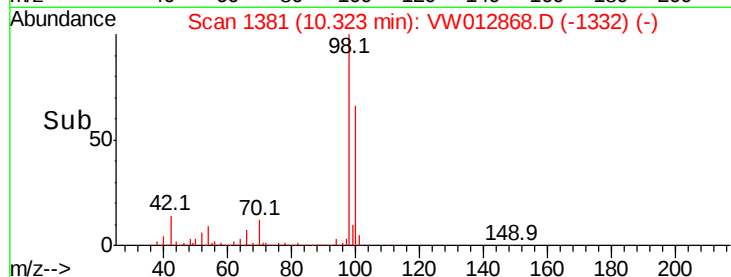
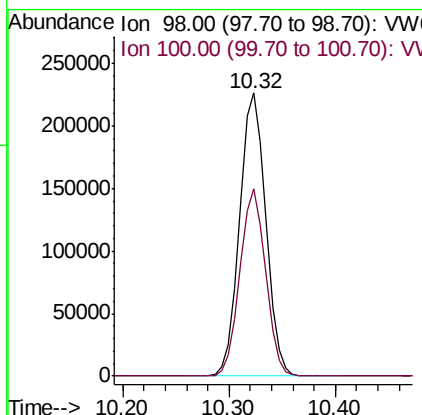
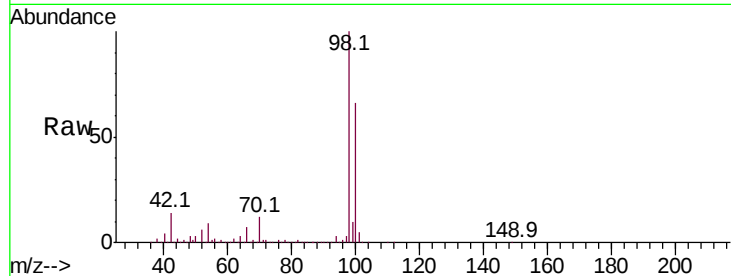




#50
Toluene-d8
Concen: 49.521 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012868.D
Acq: 10 Sep 2019 14:16

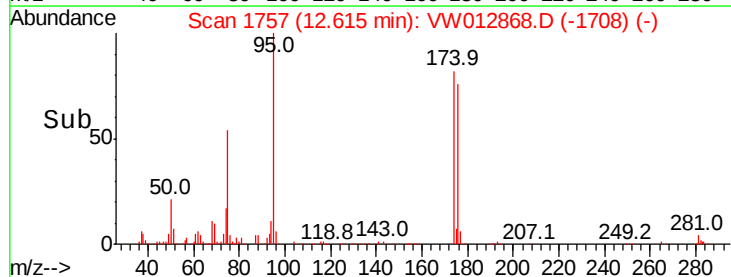
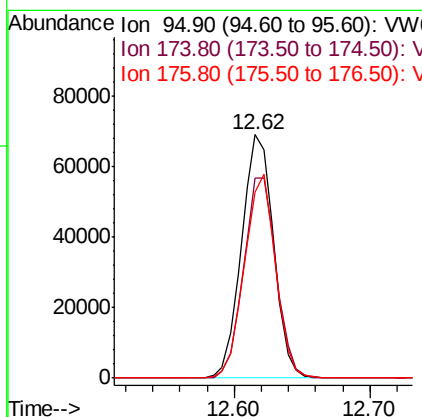
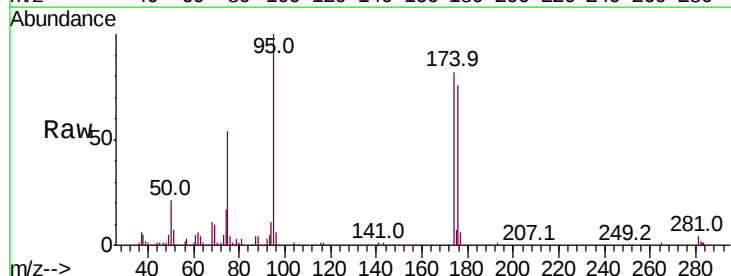
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E3-(0)

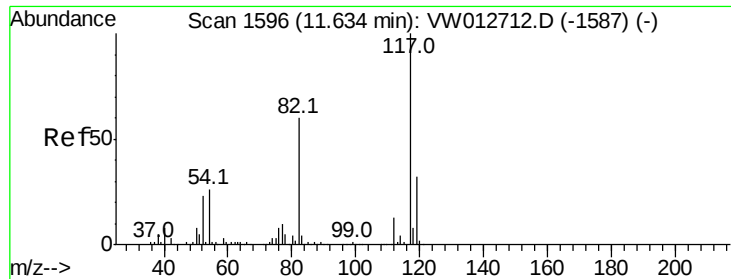
Tot Ion: 98 Resp: 391805
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 39.725 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012868.D
Acq: 10 Sep 2019 14:16

Tgt Ion: 95 Resp: 114100
Ion Ratio Lower Upper
95 100
174 83.7 0.0 161.0
176 81.5 0.0 156.4

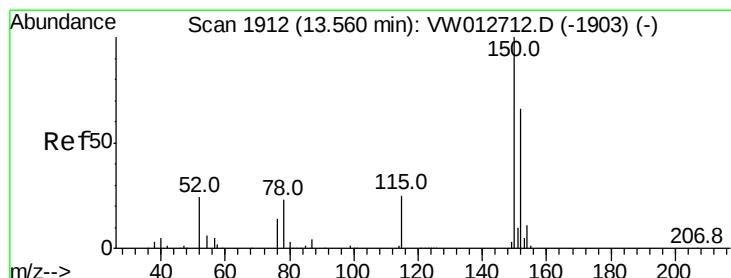
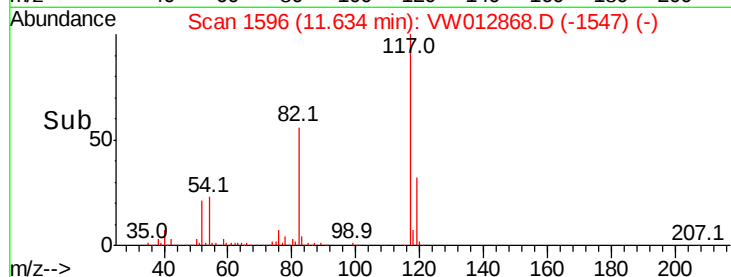
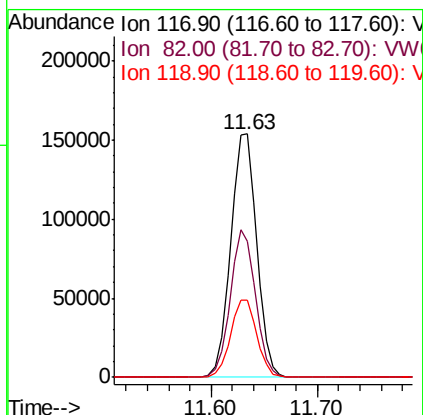
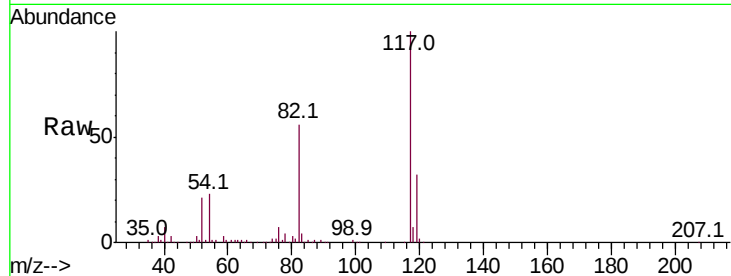




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012868.D
Acq: 10 Sep 2019 14:16

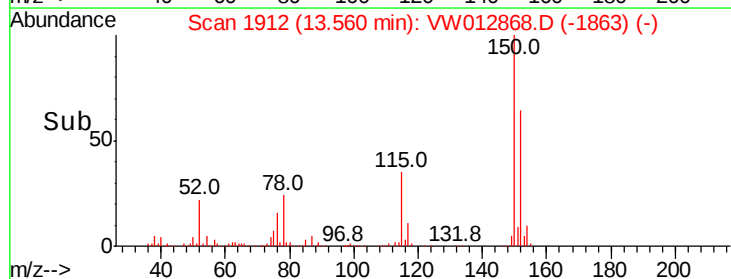
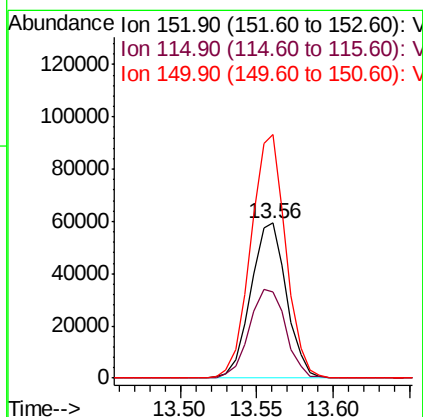
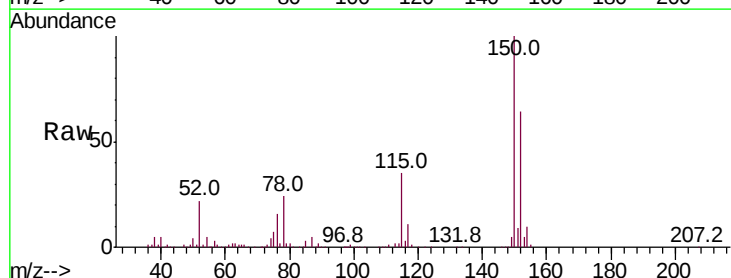
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E3-(0)

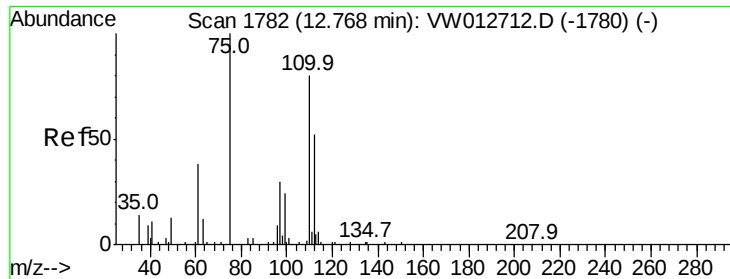
Tot Ion:117 Resp: 265074
Ion Ratio Lower Upper
117 100
82 55.8 48.2 72.4
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012868.D
Acq: 10 Sep 2019 14:16

Tgt Ion:152 Resp: 96003
Ion Ratio Lower Upper
152 100
115 58.8 30.0 90.1
150 154.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 61.334 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

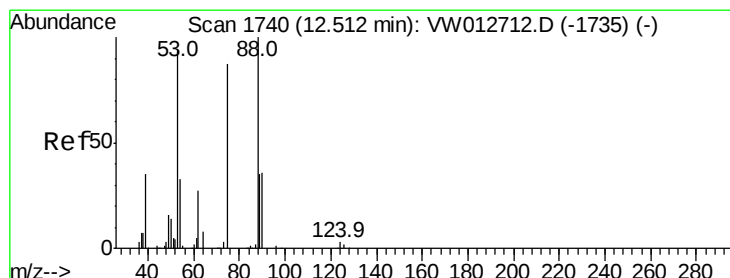
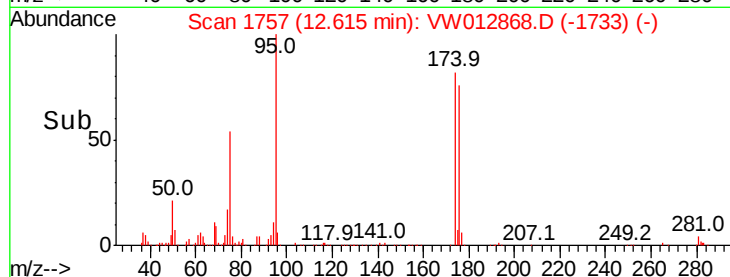
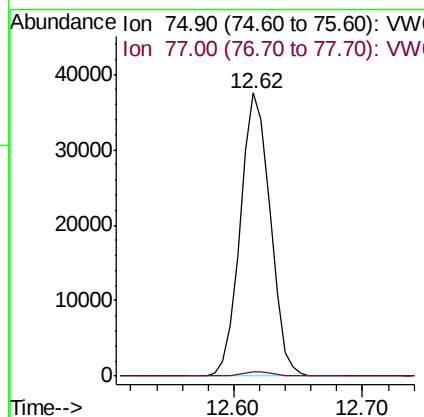
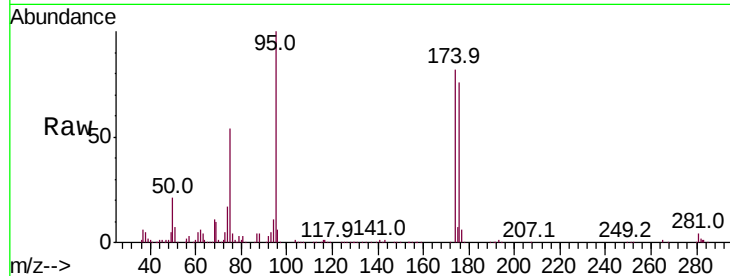
PAR-11-E3-(0)

Tot Ion: 75 Resp: 60210

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.726 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

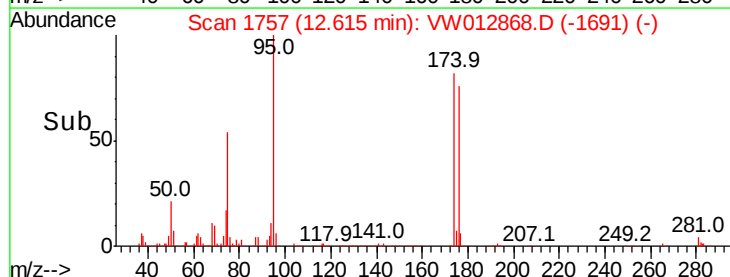
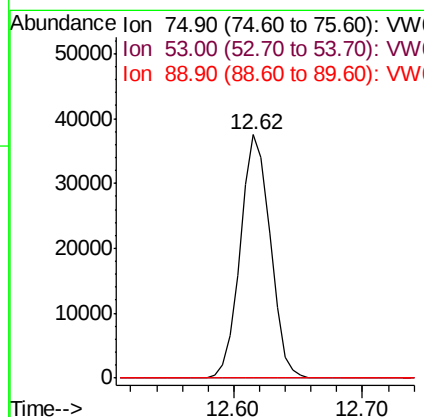
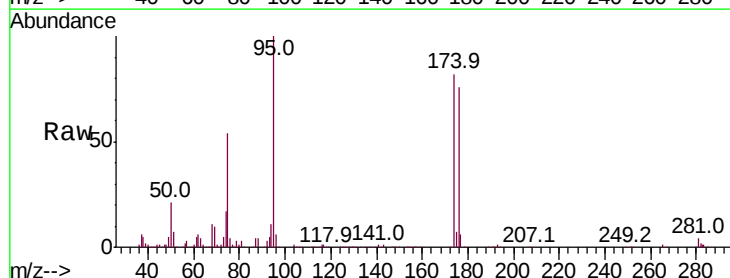
Tgt Ion: 75 Resp: 60210

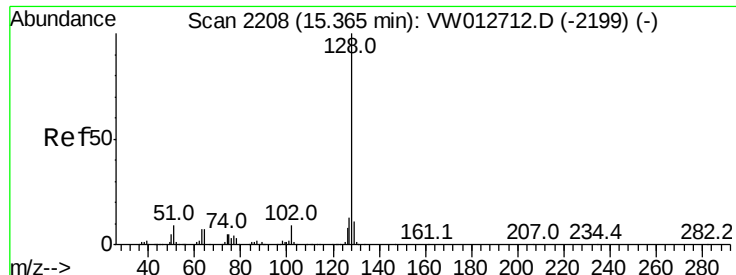
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.495 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012868.D

Acq: 10 Sep 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E3-(0)

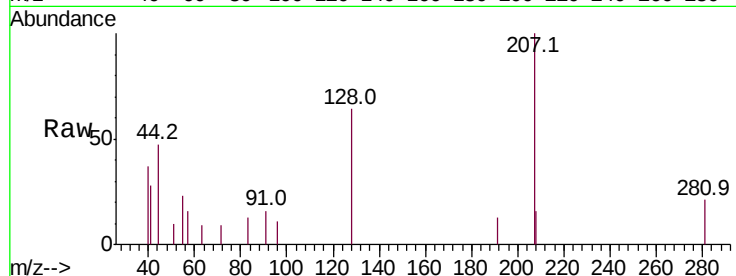
Tot Ion:128 Resp: 249

Ion Ratio Lower Upper

128 100

127 26.1 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

