

Data File : VW012830.D
Acq On : 09 Sep 2019 18:59
Operator : SY/VA
Sample : K4623-20
Misc : 3.96G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Sep 10 07:02:51 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	219447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	334454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77916	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	118192	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.88	113	98441	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.32	98	380660	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.62	95	102755	36.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.66%	

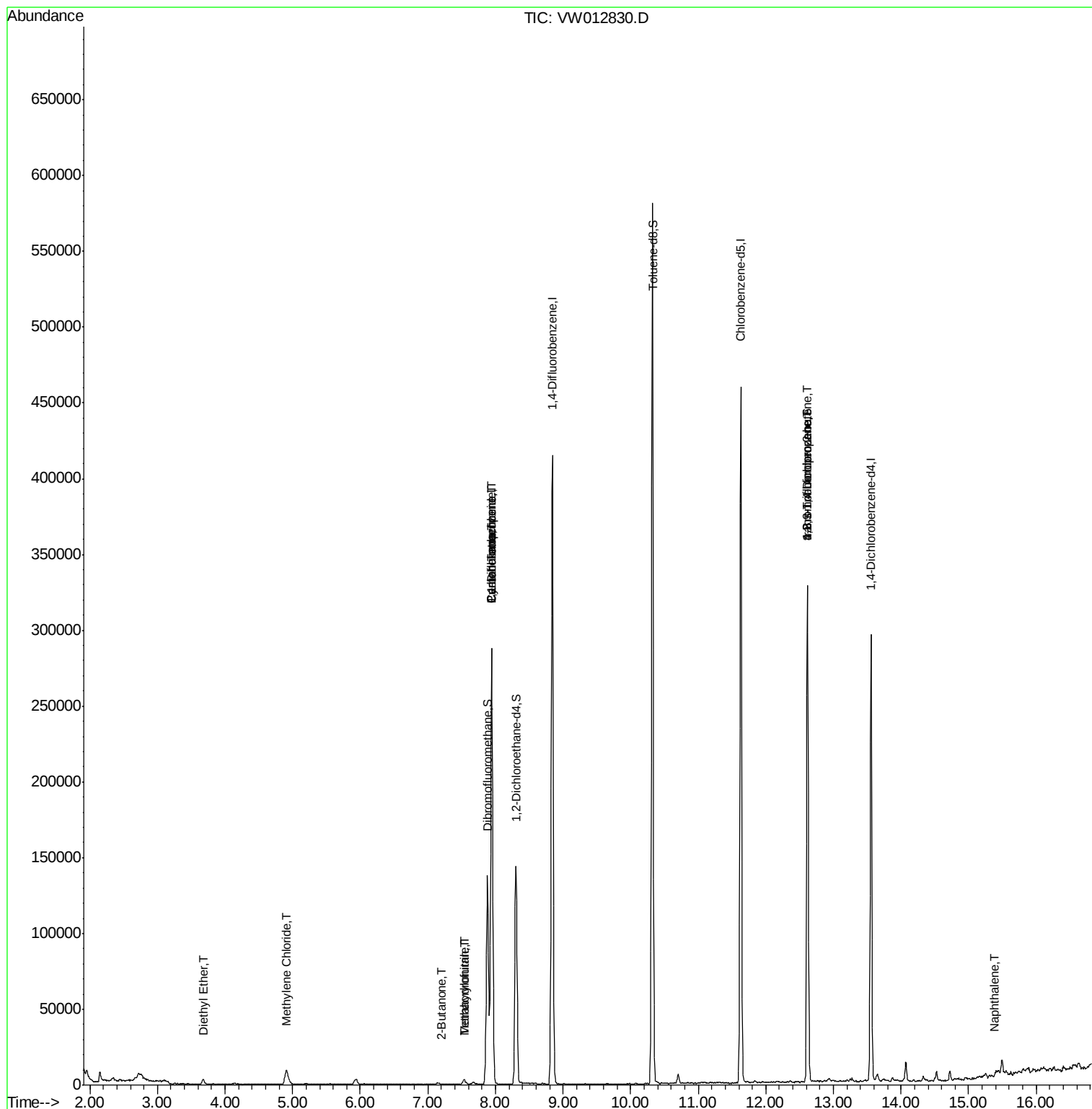
Target Compounds				Qvalue		
8) Diethyl Ether	3.69	74	1701	1.654	ug/l	100
20) Methylene Chloride	4.91	84	7138	3.413	ug/l	90
25) 2-Butanone	7.20	43	163	19.833	ug/l #	53
29) Tetrahydrofuran	7.53	42	2598	4.813	ug/l	96
31) Cyclohexane	7.94	56	4677	1.298	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	17078	5.747	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21395	7.304	ug/l #	17
41) Methacrylonitrile	7.54	41	1794	5.125	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	53076	66.618	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53076	140.901	ug/l #	7
95) Naphthalene	15.37	128	301	4.523	ug/l #	69

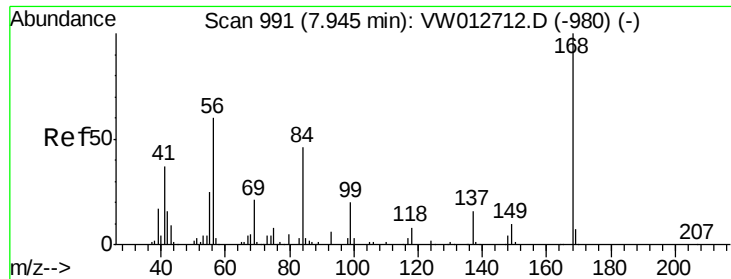
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012830.D

Acq: 09 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampled :

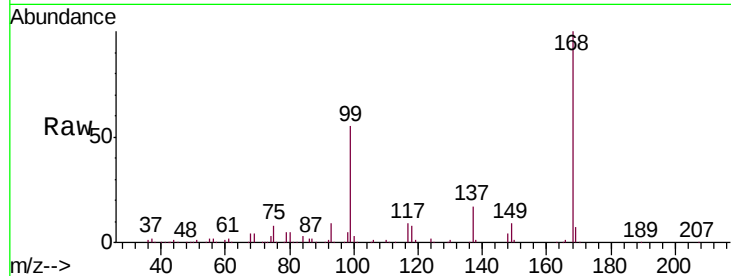
PAR-11-E3-(0)

Tgt Ion:168 Resp: 219447

Ion Ratio Lower Upper

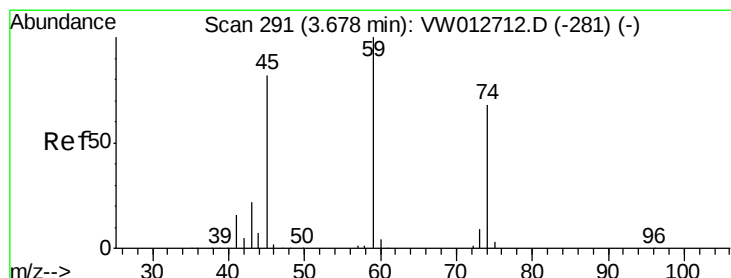
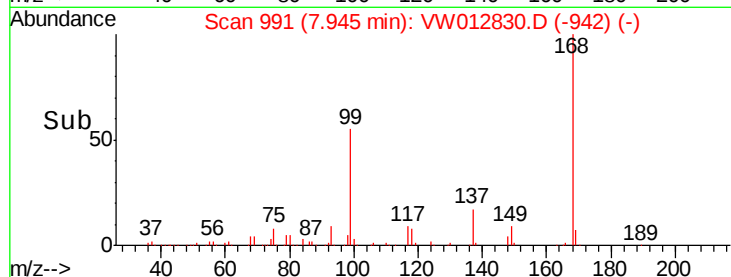
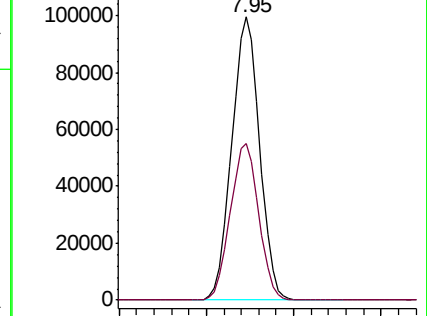
168 100

99 55.4 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: 1.654 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW012830.D

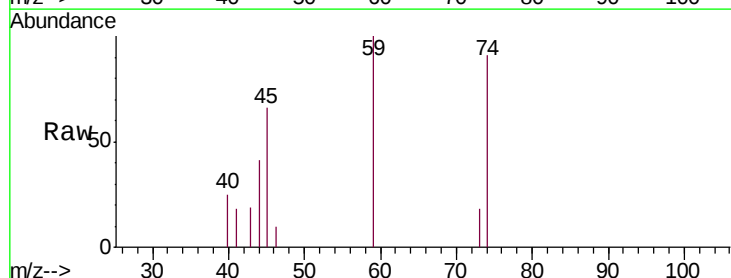
Acq: 09 Sep 2019 18:59

Tgt Ion: 74 Resp: 1701

Ion Ratio Lower Upper

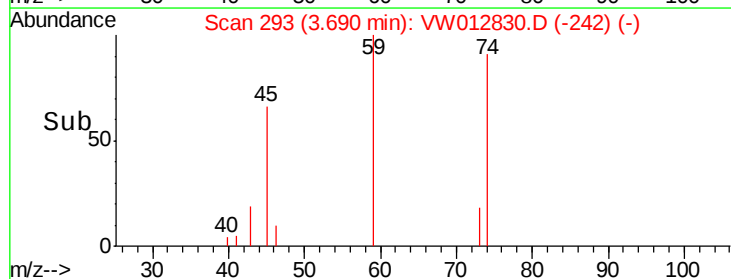
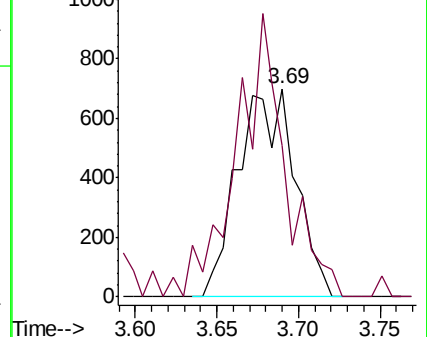
74 100

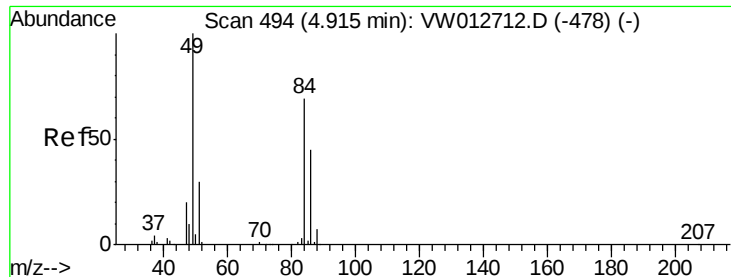
45 117.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

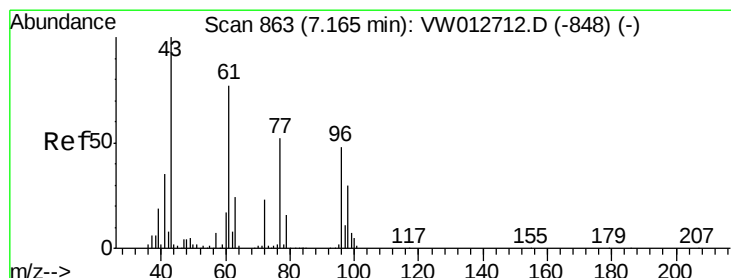
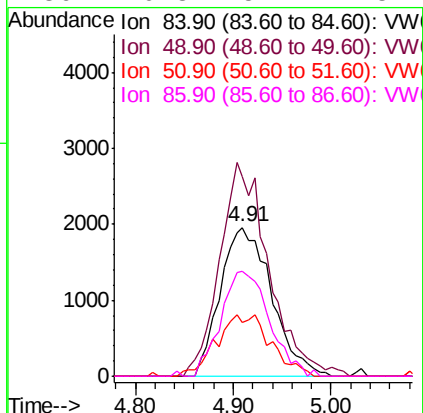
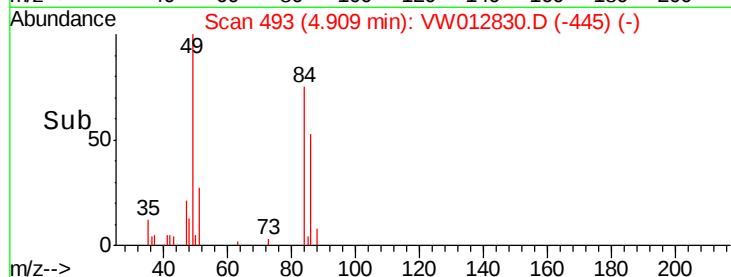
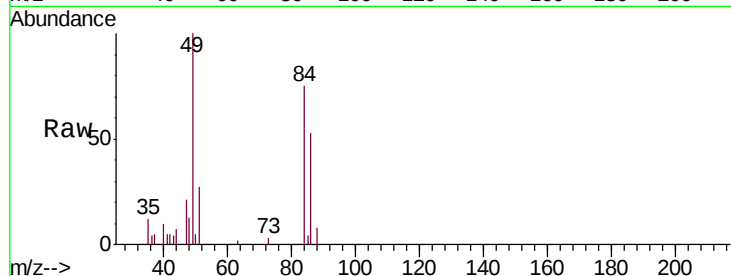




#20
Methylene Chloride
Concen: 3.413 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

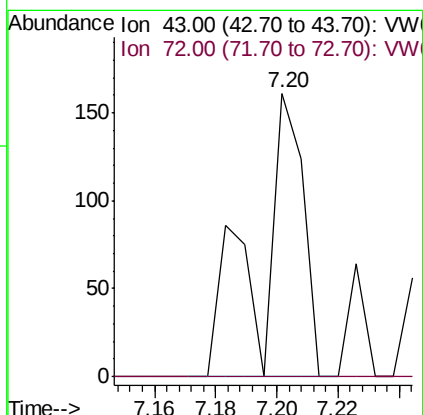
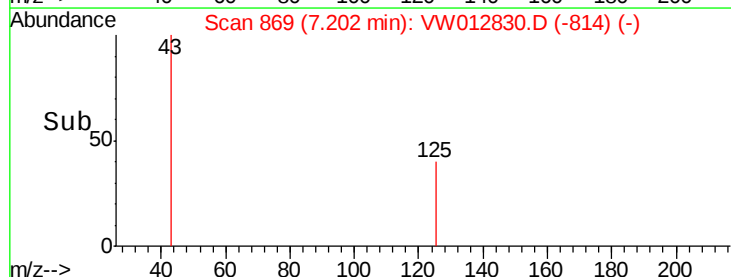
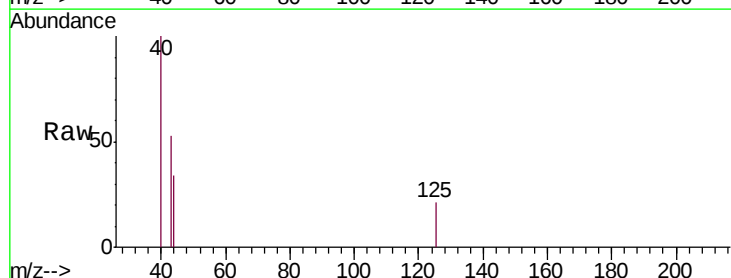
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E3-(0)

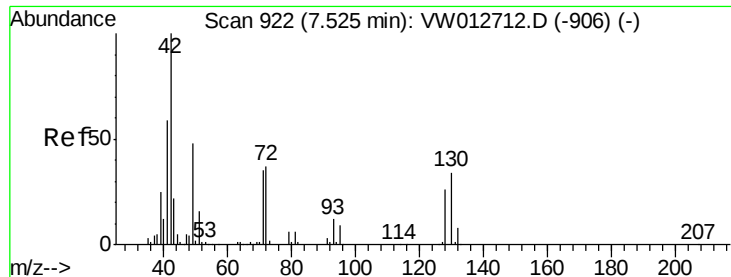
Tgt Ion: 84 Resp: 7138
Ion Ratio Lower Upper
84 100
49 129.9 115.4 173.0
51 36.5 34.9 52.3
86 70.8 52.2 78.4



#25
2-Butanone
Concen: 19.833 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.04 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

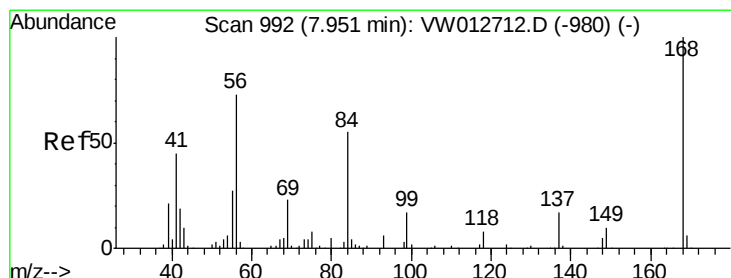
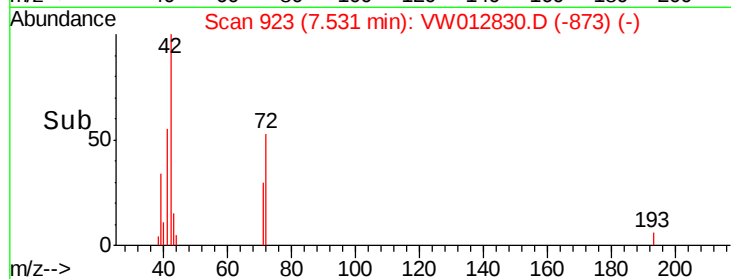
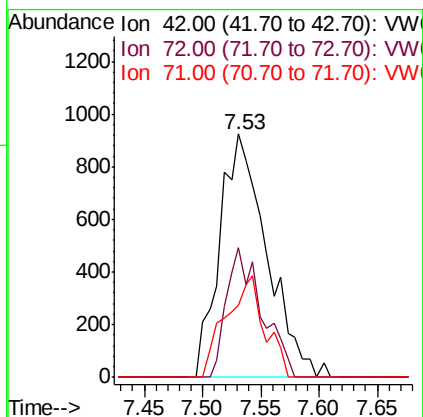
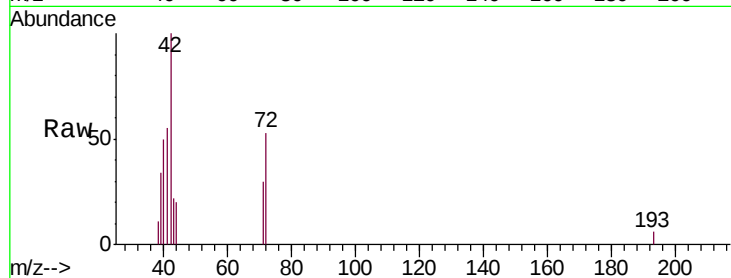




#29
Tetrahydrofuran
Concen: 4.813 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

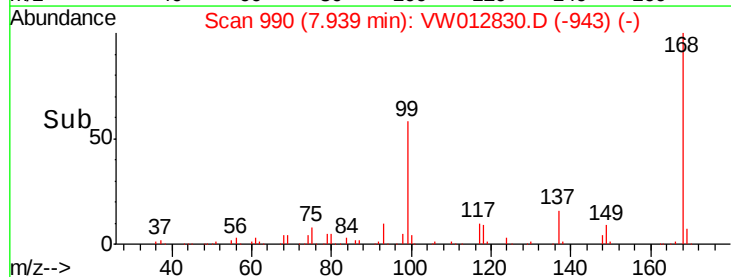
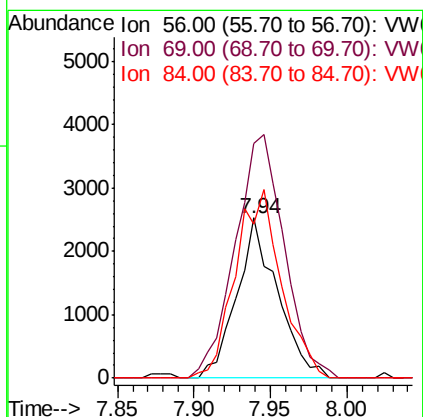
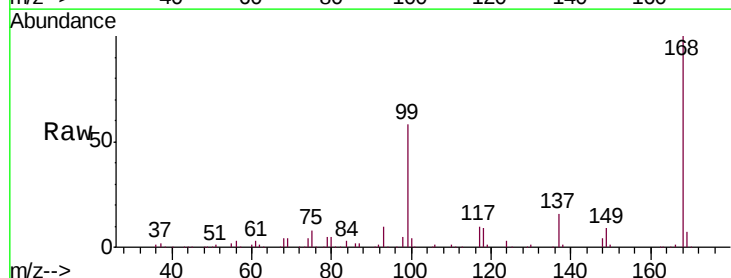
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E3-(0)

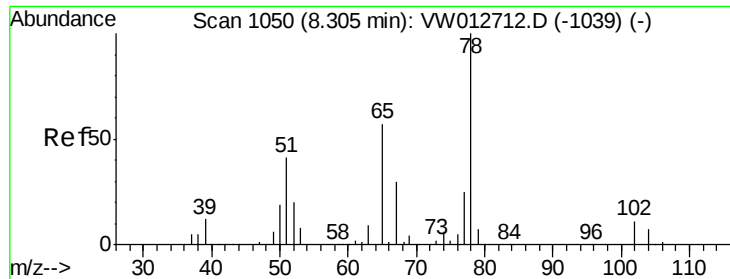
Tgt Ion: 42 Resp: 2598
Ion Ratio Lower Upper
42 100
72 40.2 28.4 42.6
71 34.2 27.1 40.7



#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

Tgt Ion: 56 Resp: 4677
Ion Ratio Lower Upper
56 100
69 146.8 25.7 38.5#
84 96.5 60.4 90.6#

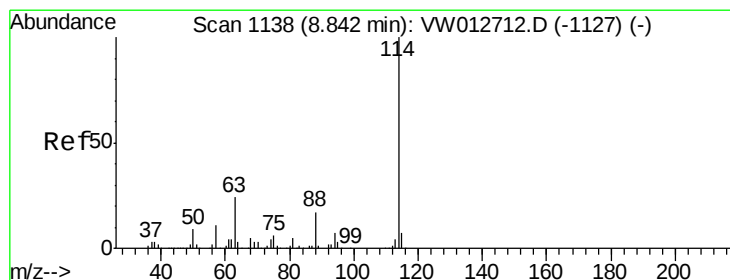
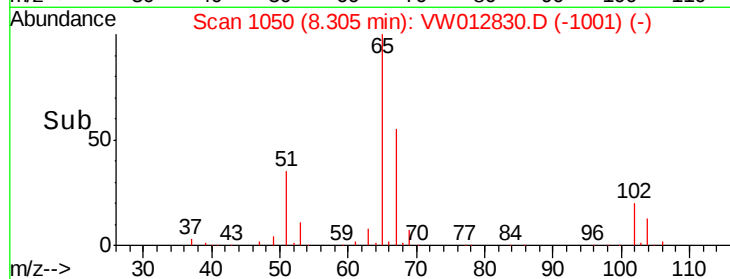
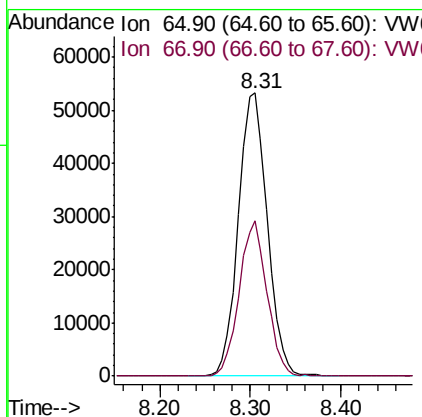
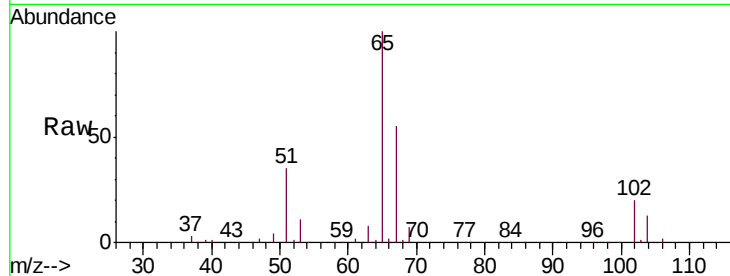




#33
 1,2-Dichloroethane-d4
 Concen: 48.203 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012830.D
 Acq: 09 Sep 2019 18:59

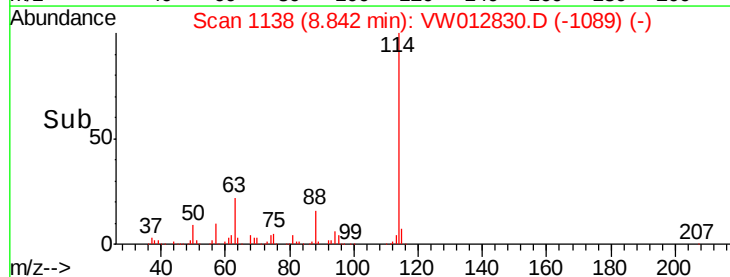
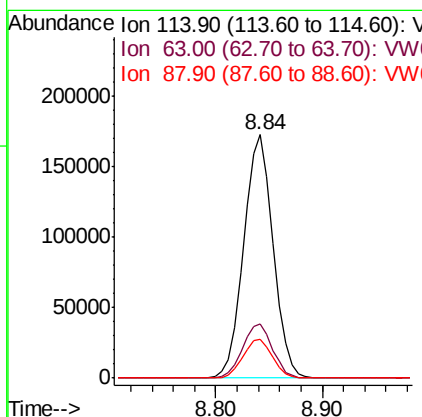
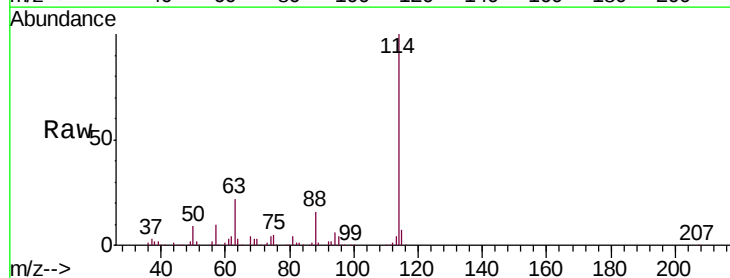
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-E3-(0)

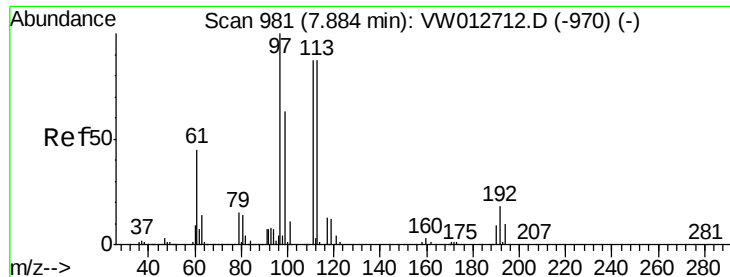
Tgt Ion: 65 Resp: 118192
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012830.D
 Acq: 09 Sep 2019 18:59

Tgt Ion: 114 Resp: 334454
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 16.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.507 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-E3-(0)

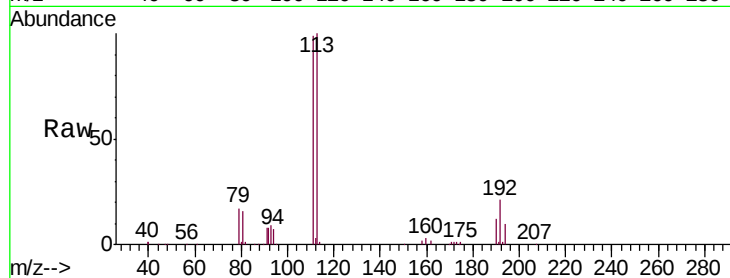
Tgt Ion:113 Resp: 98441

Ion Ratio Lower Upper

113 100

111 102.1 80.2 120.4

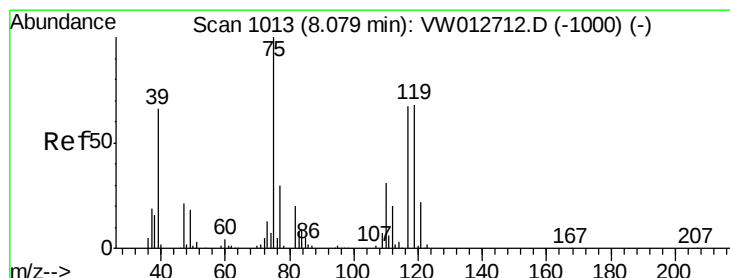
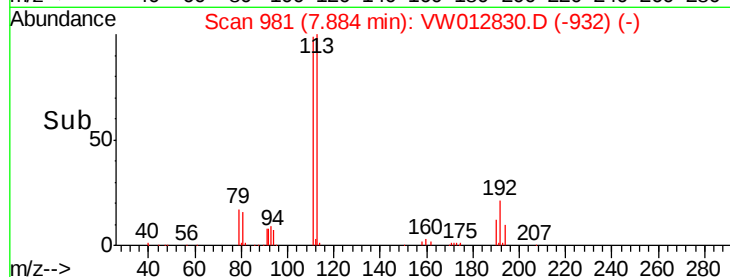
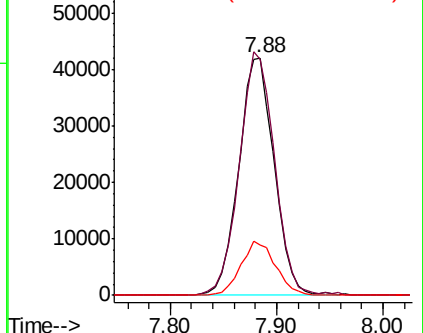
192 22.4 17.3 25.9



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: 5.747 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

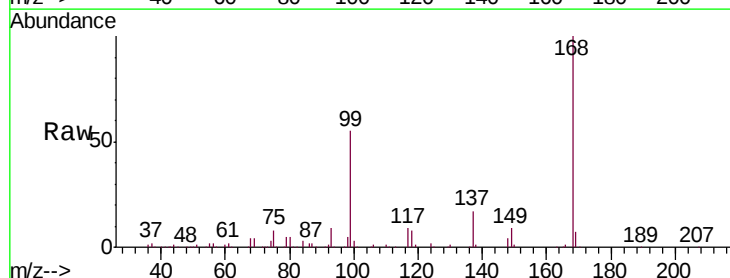
Tgt Ion: 75 Resp: 17078

Ion Ratio Lower Upper

75 100

110 10.2 15.9 47.7#

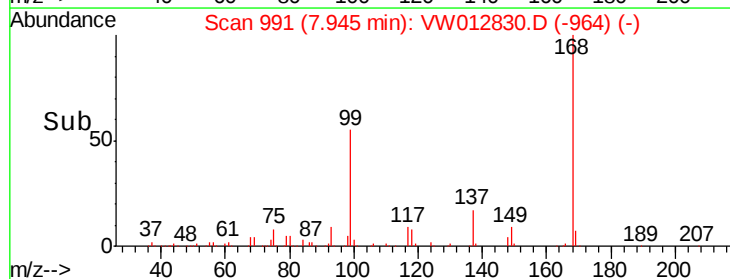
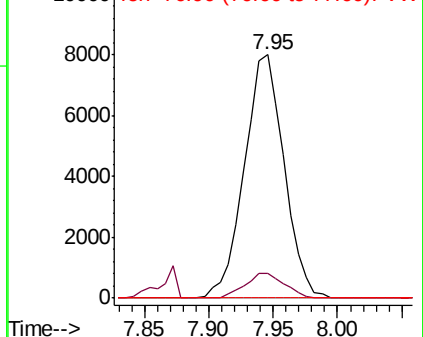
77 0.0 25.0 37.4#

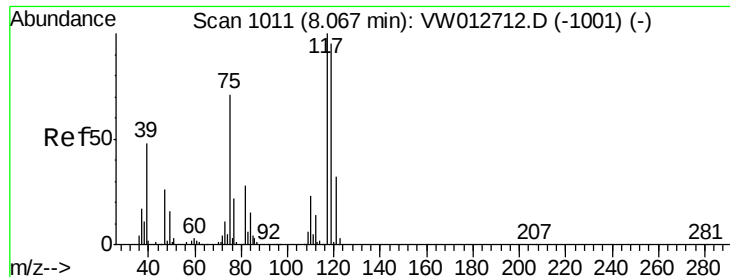


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.304 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

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PAR-11-E3-(0)

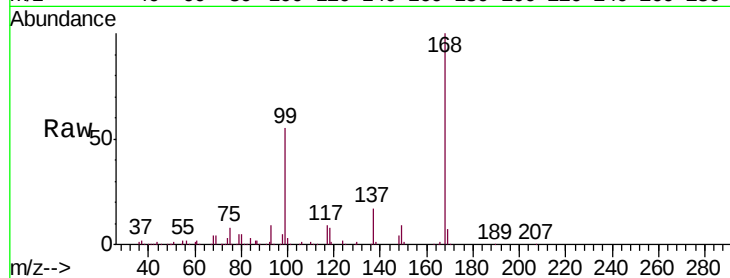
Tgt Ion:117 Resp: 21395

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

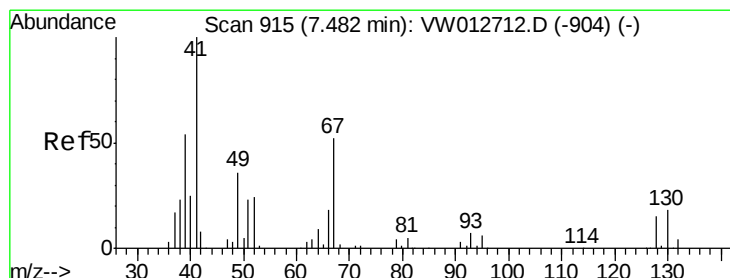
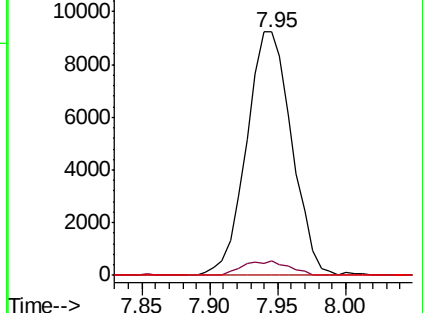
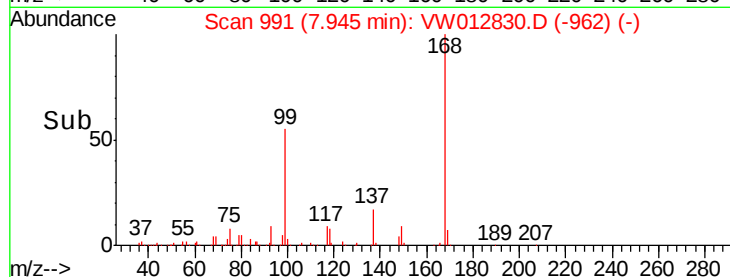
121 0.0 25.4 38.2#



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: 5.125 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

Tgt Ion: 41 Resp: 1794

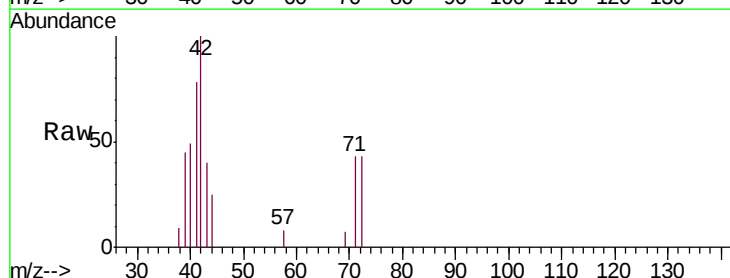
Ion Ratio Lower Upper

41 100

39 54.6 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

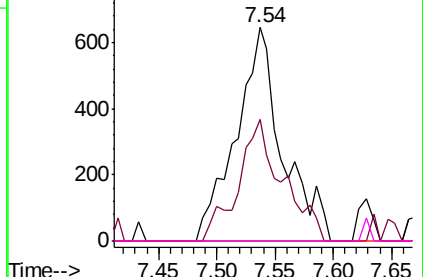
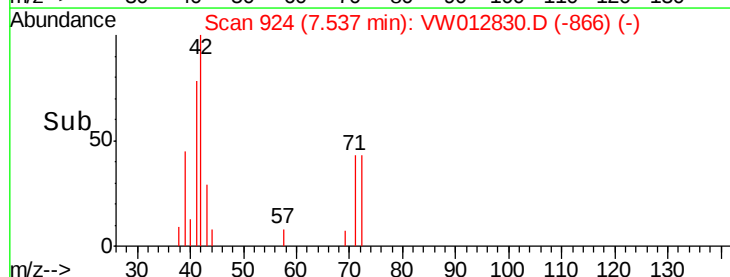


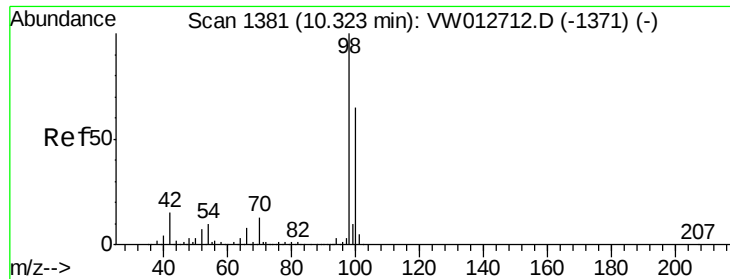
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.864 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

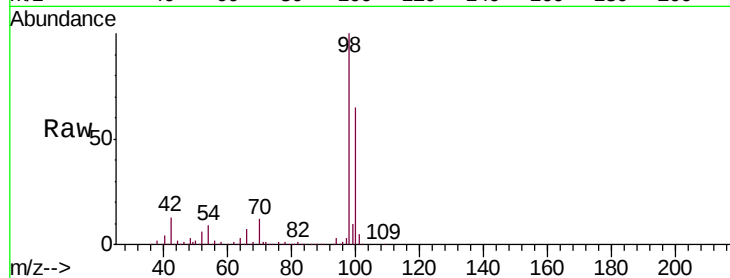
PAR-11-E3-(0)

Tgt Ion: 98 Resp: 380660

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

250000

200000

150000

100000

50000

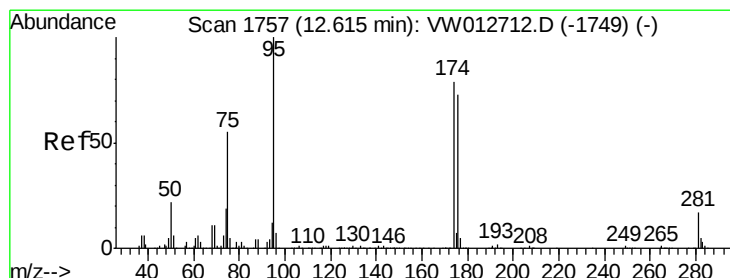
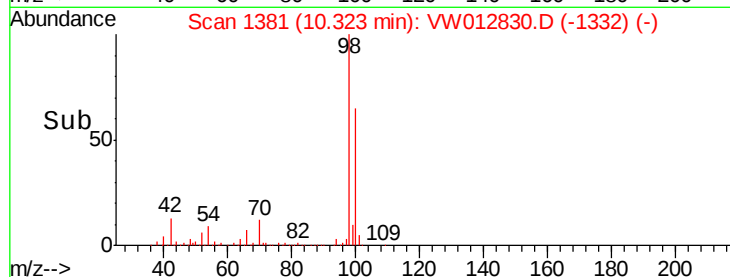
0

10.20

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 36.334 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

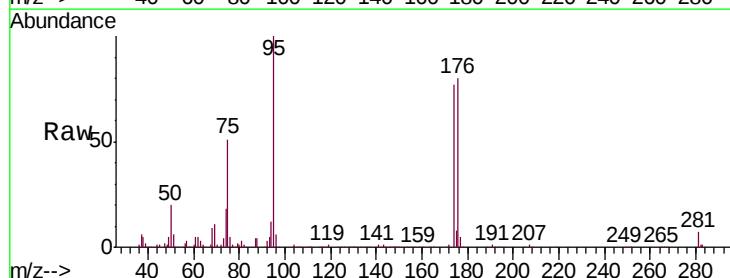
Tgt Ion: 95 Resp: 102755

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.0

176 81.0 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

80000

60000

40000

20000

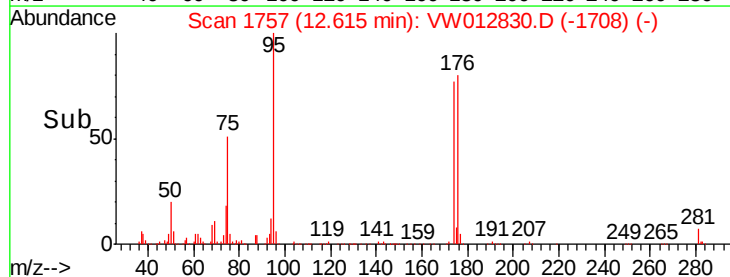
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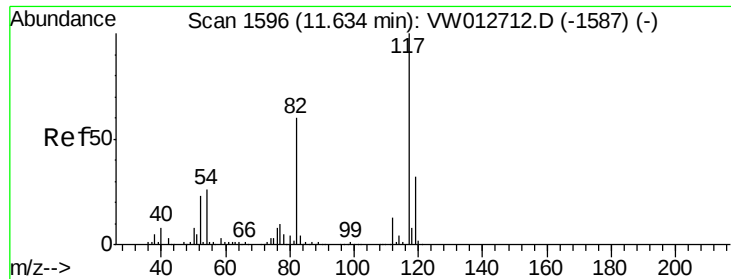
12.50

12.60

12.70

Time-->

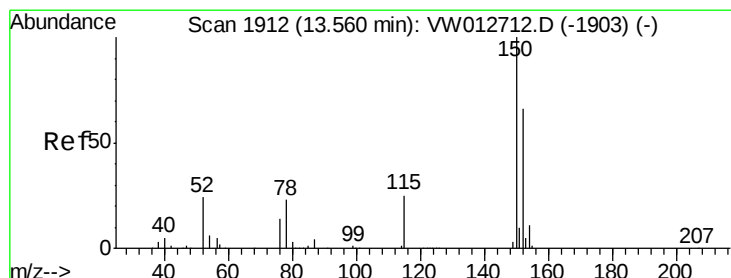
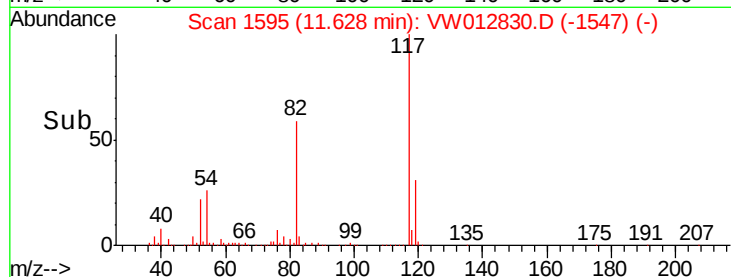
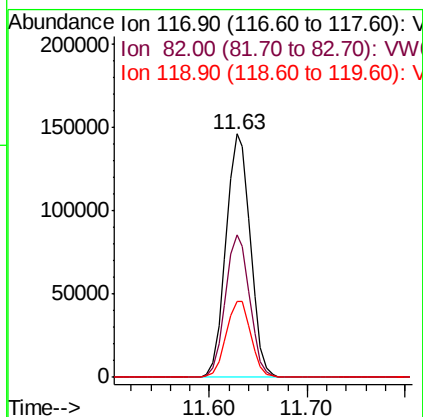
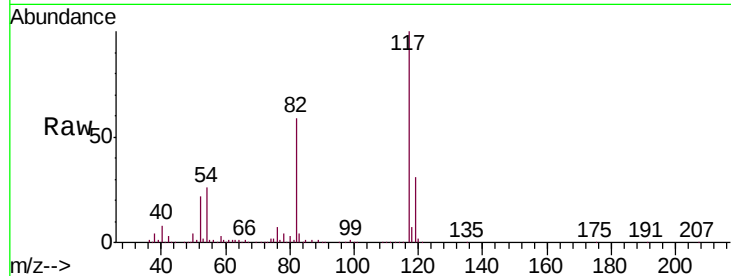




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

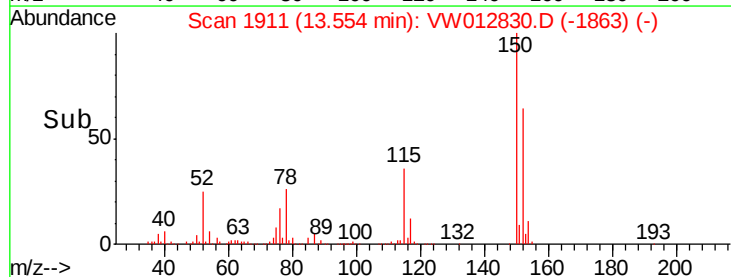
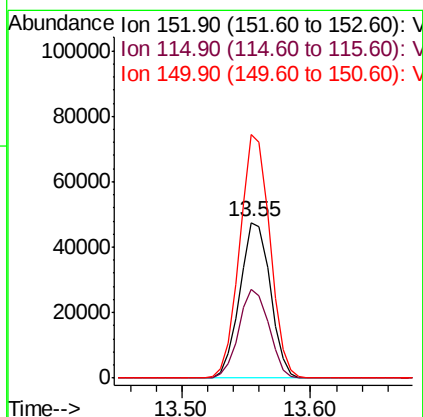
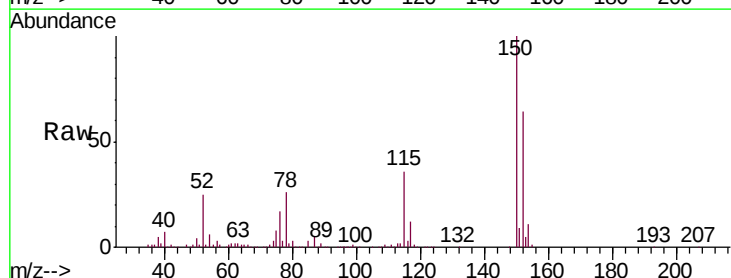
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-E3-(0)

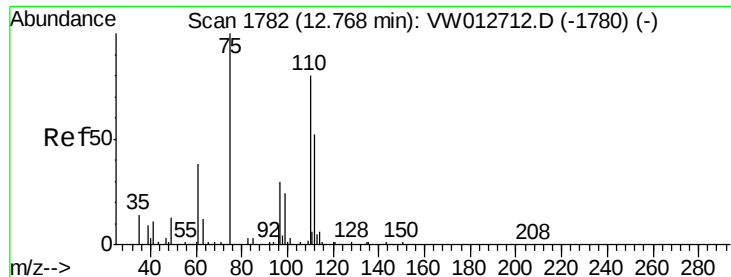
Tgt Ion:117 Resp: 251944
Ion Ratio Lower Upper
117 100
82 58.6 48.2 72.4
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

Tgt Ion:152 Resp: 77916
Ion Ratio Lower Upper
152 100
115 56.6 30.0 90.1
150 154.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 66.618 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

Instrument :

MSVOA_W

ClientSampleId :

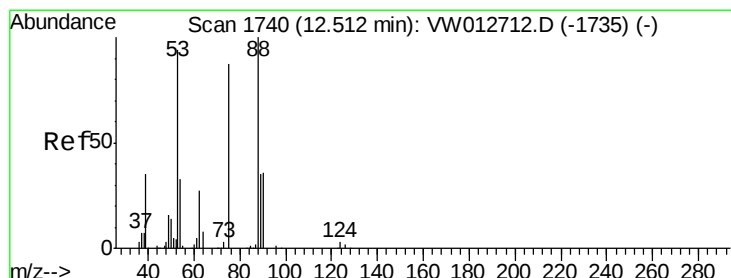
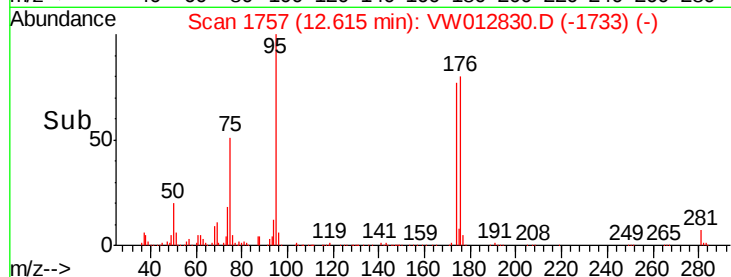
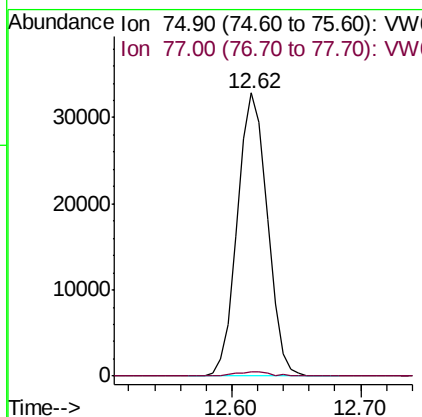
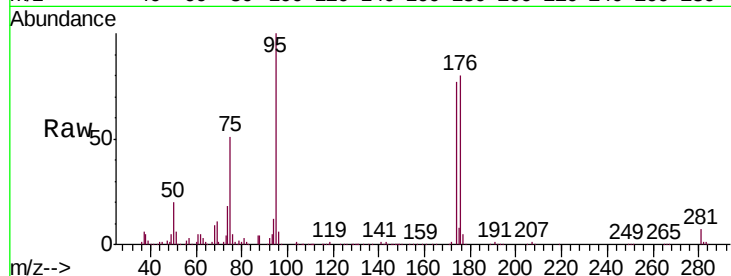
PAR-11-E3-(0)

Tgt Ion: 75 Resp: 53076

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.901 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012830.D

Acq: 09 Sep 2019 18:59

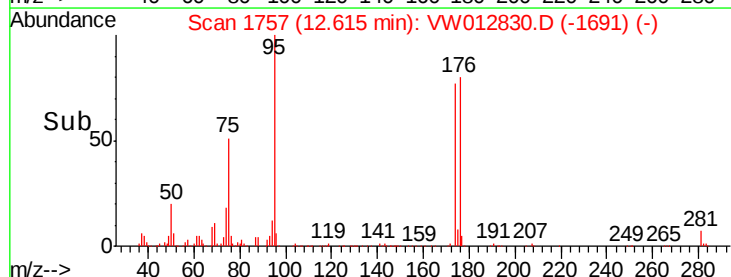
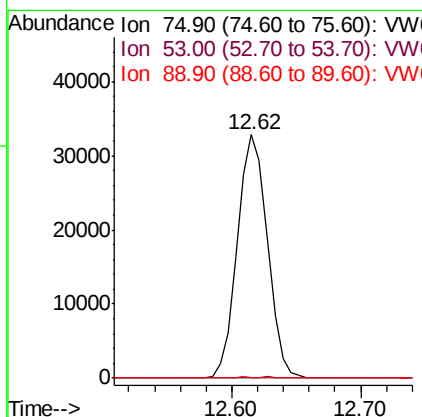
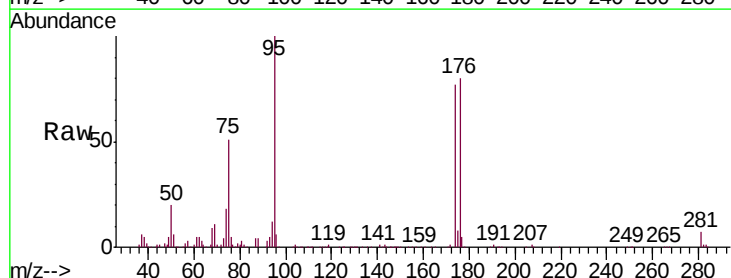
Tgt Ion: 75 Resp: 53076

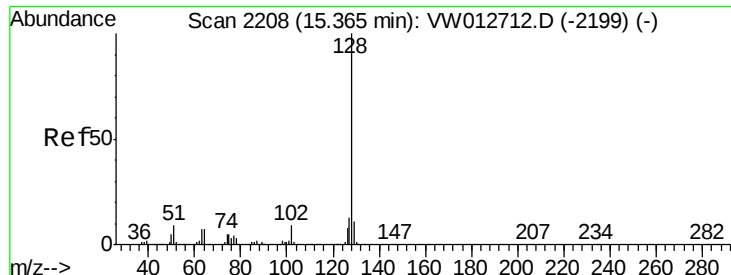
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.2 35.5 53.3#

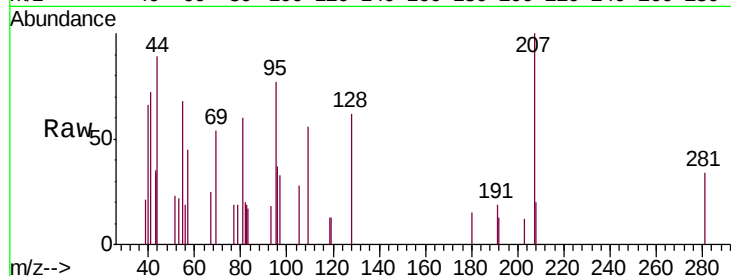




#95
Naphthalene
Concen: 4.523 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012830.D
Acq: 09 Sep 2019 18:59

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

Tgt 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

