

Data File : VW012770.D
Acq On : 08 Sep 2019 15:36
Operator : SY/VA
Sample : K4603-07
Misc : 4.22G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(3.11)

Quant Time: Sep 09 05:58:35 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	227656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	120800	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135221	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	7.88	113	98138	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
50) Toluene-d8	10.32	98	423273	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	130789	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds

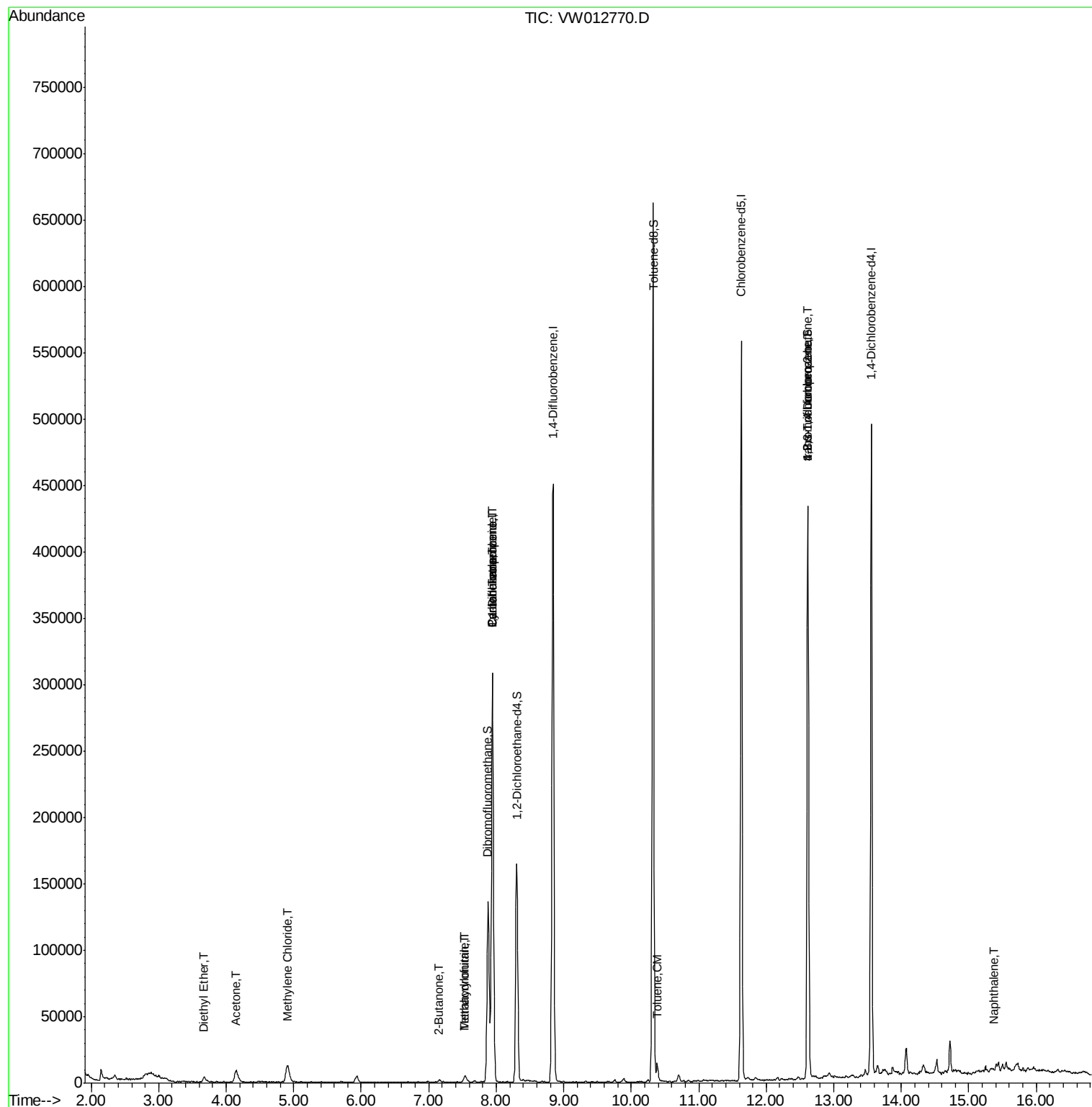
						Qvalue
8) Diethyl Ether	3.67	74	1631	1.529	ug/l	81
16) Acetone	4.15	43	19943	28.759	ug/l #	89
20) Methylene Chloride	4.90	84	10054	4.634	ug/l	93
25) 2-Butanone	7.15	43	183	19.845	ug/l #	53
29) Tetrahydrofuran	7.53	42	5010	8.947	ug/l	97
31) Cyclohexane	7.94	56	5263	1.408	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	18769	5.811	ug/l #	52
38) Carbon Tetrachloride	7.94	117	23348	7.333	ug/l #	16
41) Methacrylonitrile	7.53	41	3037	5.842	ug/l #	56
52) Toluene	10.38	92	5742	1.027	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	72618	58.789	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72618	124.343	ug/l #	7
95) Naphthalene	15.36	128	742	4.572	ug/l #	90

(#) = 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: VW012770.D

Acq: 08 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

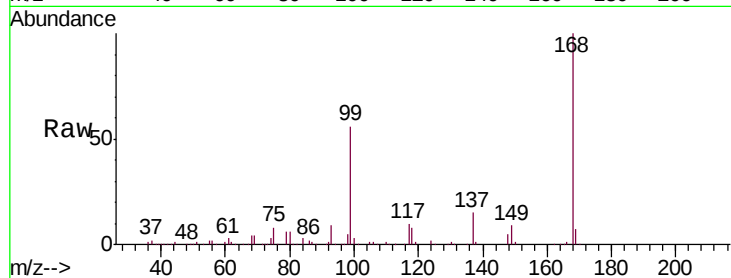
PAR-E1-(3.11)

Tgt Ion:168 Resp: 227656

Ion Ratio Lower Upper

168 100

99 55.7 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

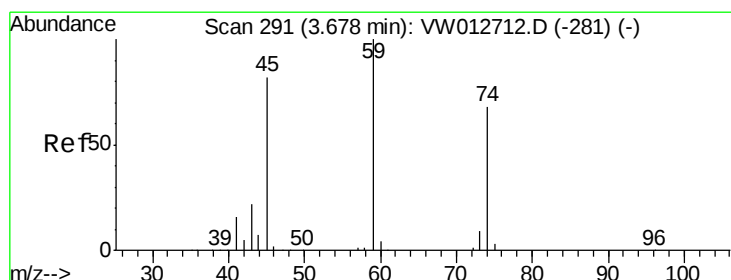
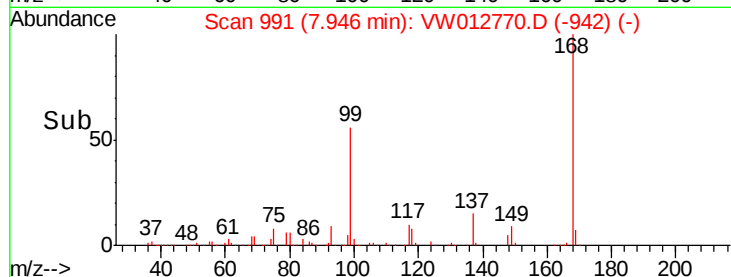
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.529 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012770.D

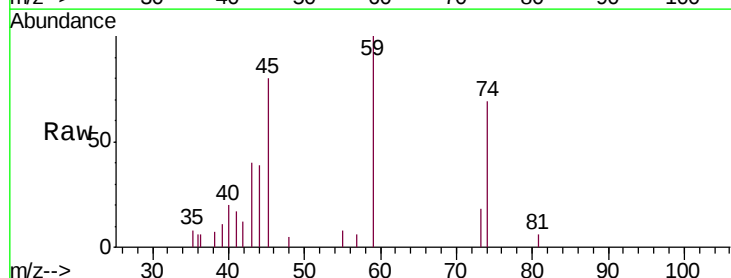
Acq: 08 Sep 2019 15:36

Tgt Ion: 74 Resp: 1631

Ion Ratio Lower Upper

74 100

45 138.5 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

1000

800

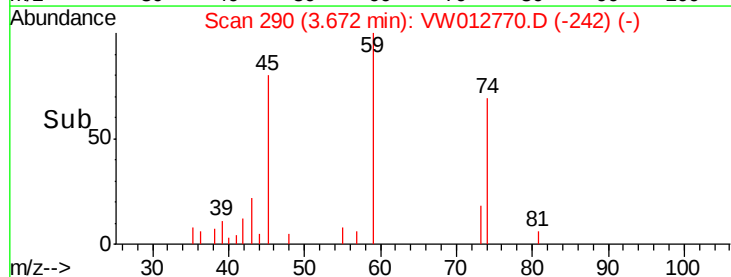
600

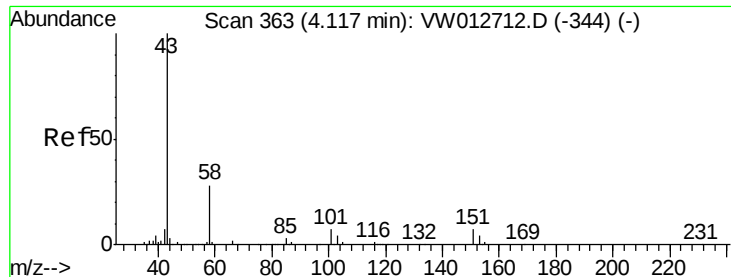
400

200

0

Time-->

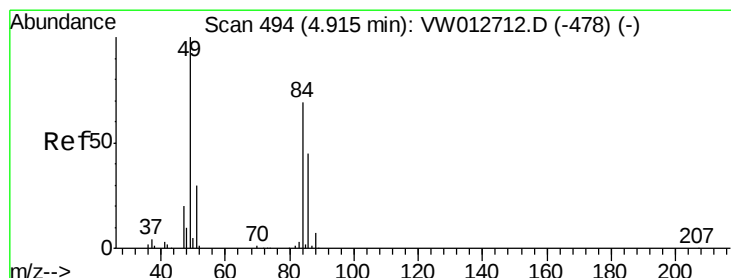
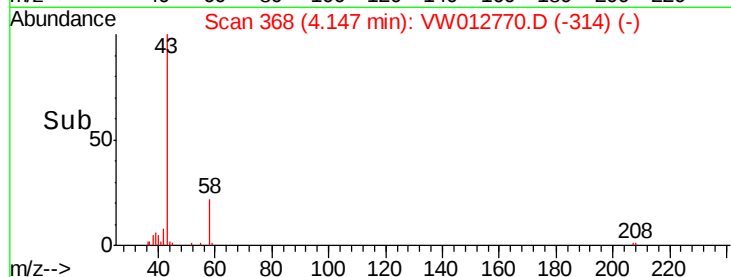
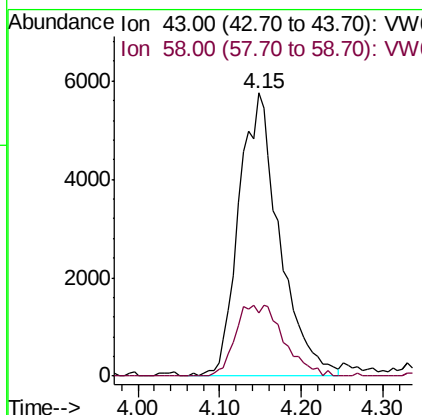
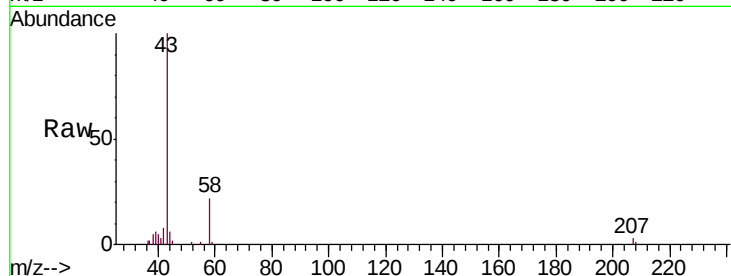




#16
Acetone
Concen: 28.759 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

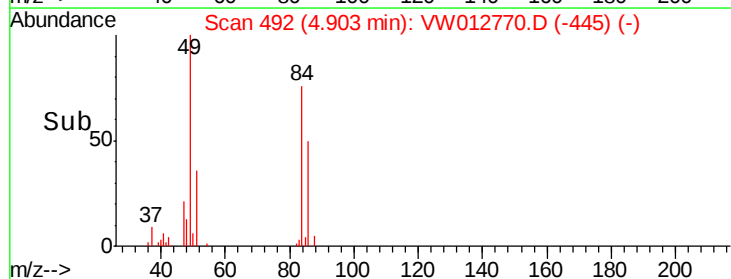
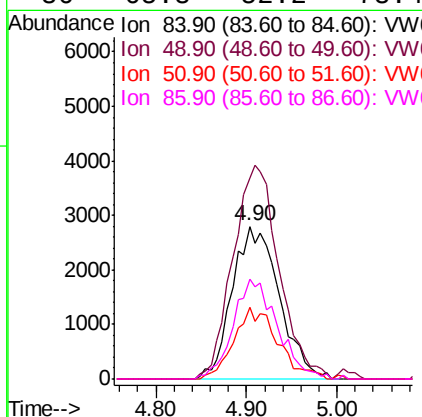
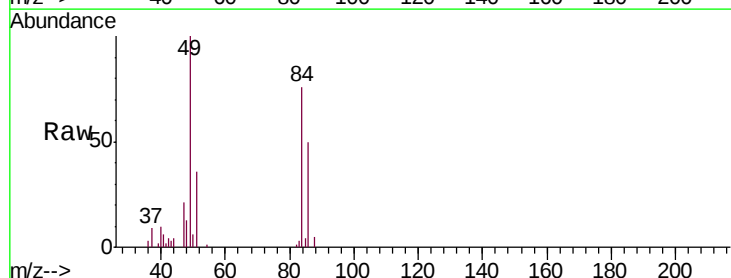
Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(3.11)

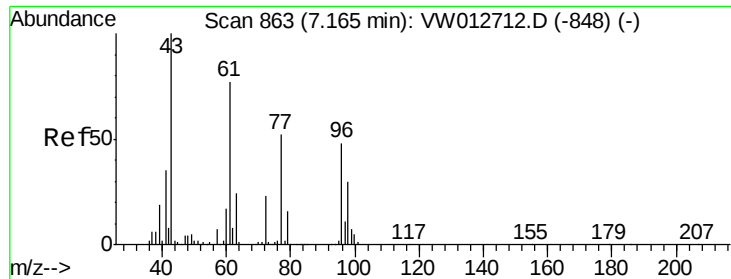
Tgt Ion: 43 Resp: 19943
Ion Ratio Lower Upper
43 100
58 22.4 22.6 33.8#



#20
Methylene Chloride
Concen: 4.634 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

Tgt Ion: 84 Resp: 10054
Ion Ratio Lower Upper
84 100
49 132.1 115.4 173.0
51 47.4 34.9 52.3
86 65.8 52.2 78.4





#25

2-Butanone

Concen: 19.845 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

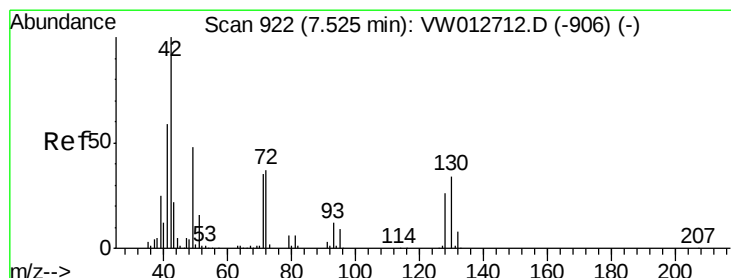
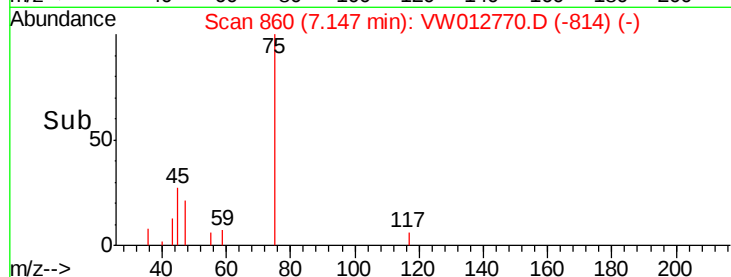
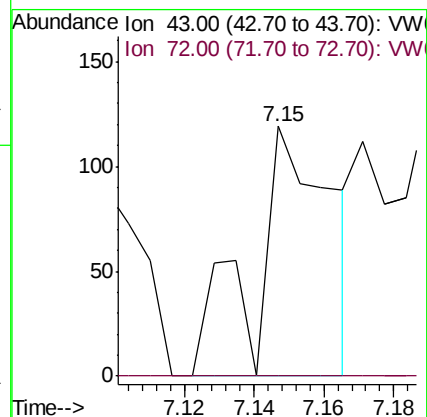
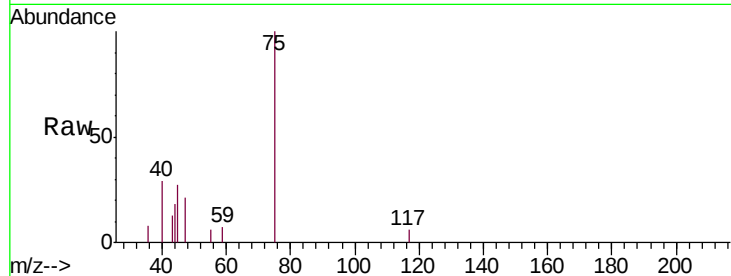
PAR-E1-(3.11)

Tgt Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 8.947 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

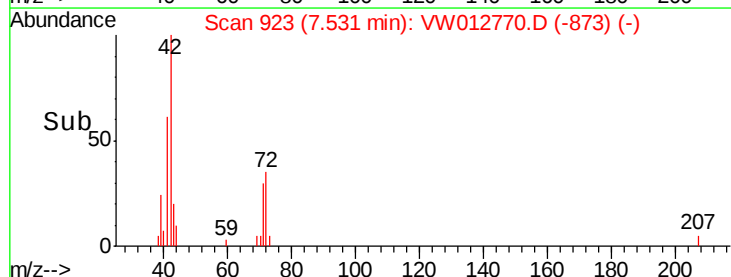
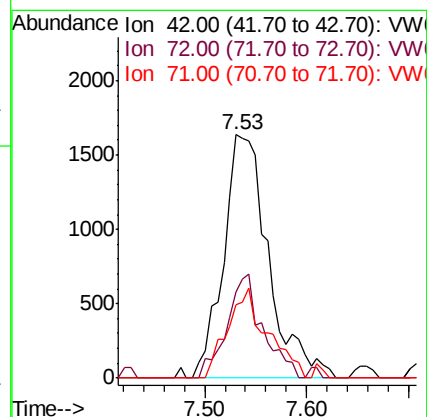
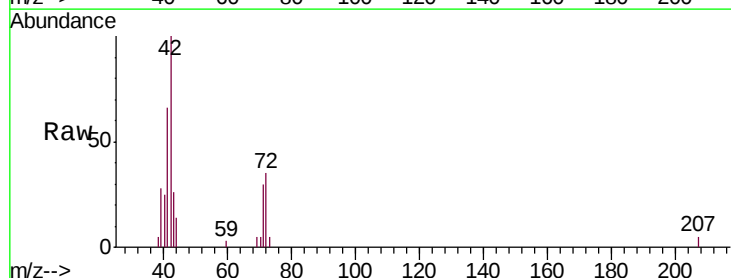
Tgt Ion: 42 Resp: 5010

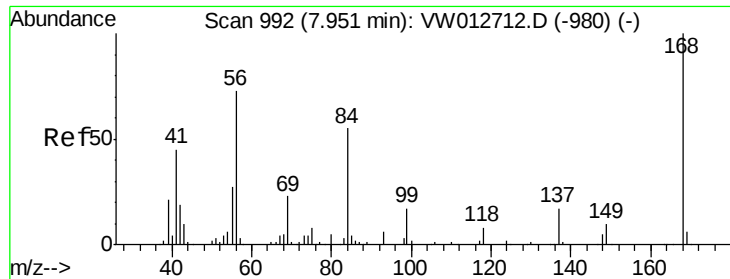
Ion Ratio Lower Upper

42 100

72 33.6 28.4 42.6

71 32.7 27.1 40.7

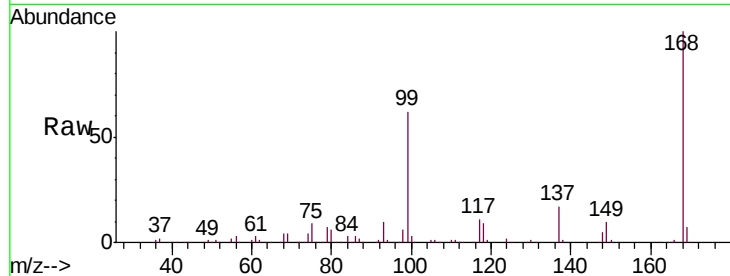




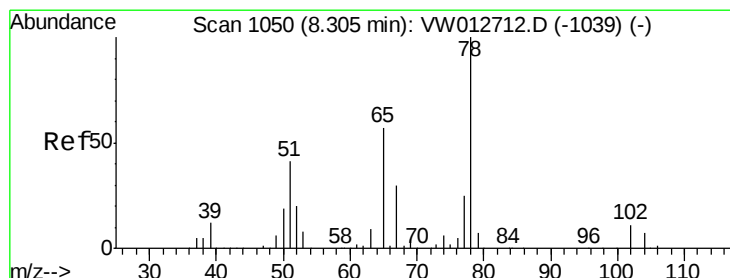
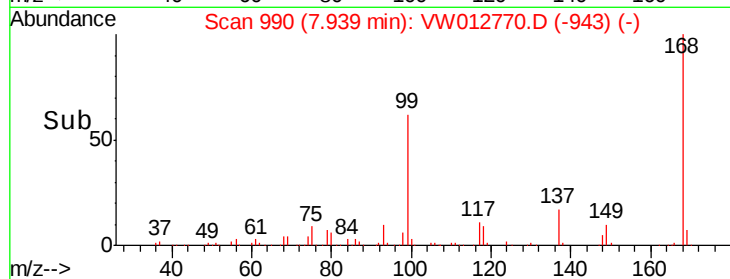
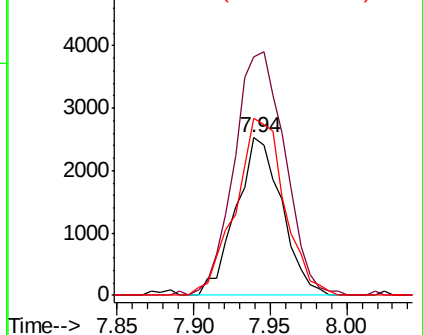
#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(3.11)

Tgt Ion: 56 Resp: 5263
Ion Ratio Lower Upper
56 100
69 151.7 25.7 38.5#
84 112.4 60.4 90.6#

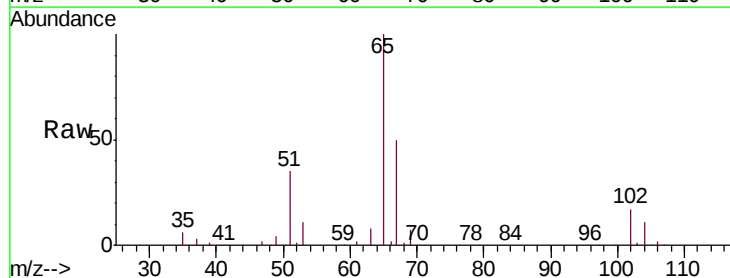


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

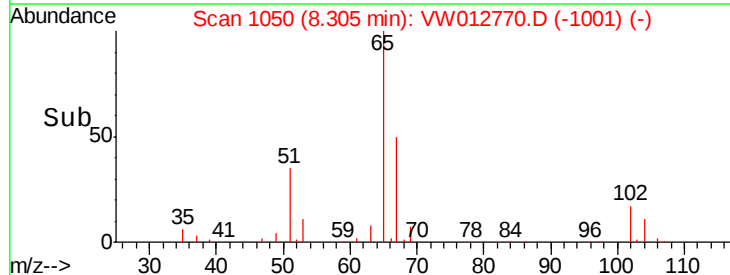
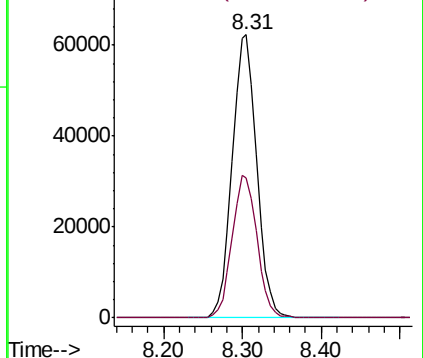


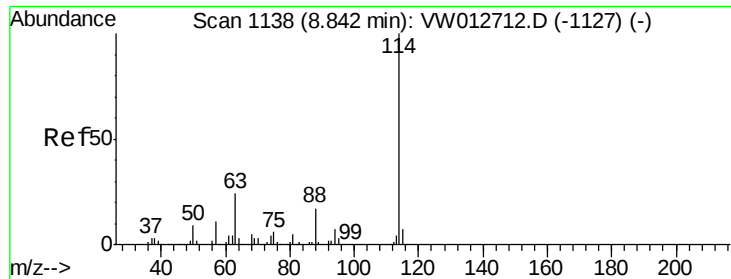
#33
1,2-Dichloroethane-d4
Concen: 53.160 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

Tgt Ion: 65 Resp: 135221
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

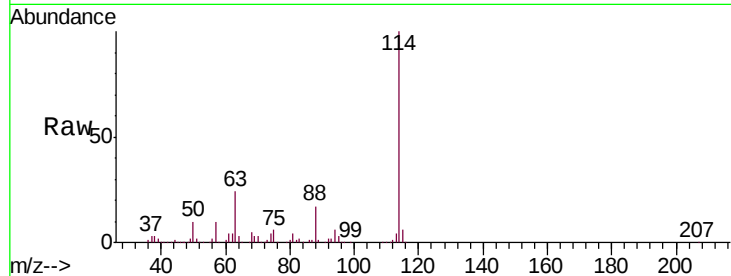




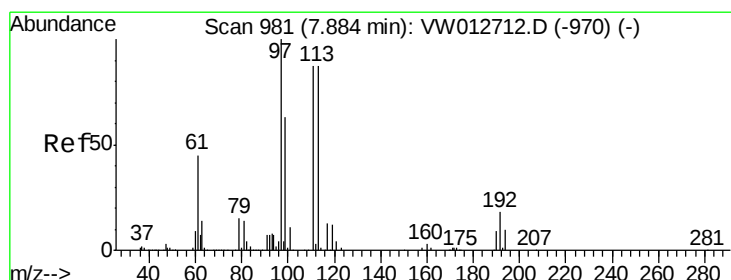
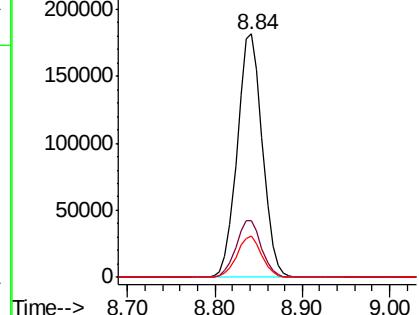
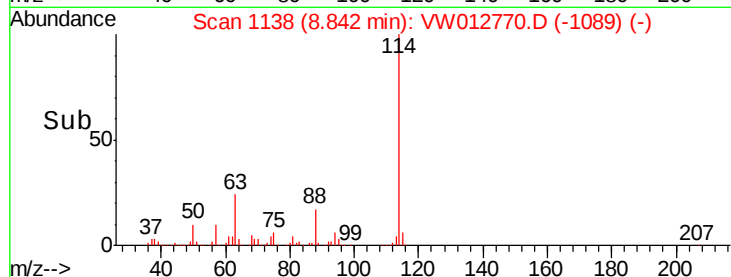
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012770.D
 Acq: 08 Sep 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E1-(3.11)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	47.2
88	17.2	0.0	34.0

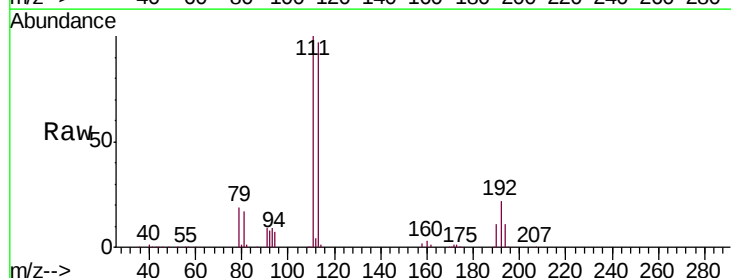


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

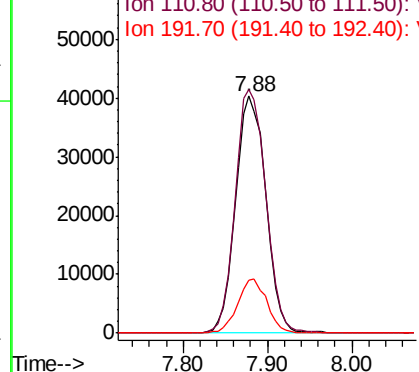
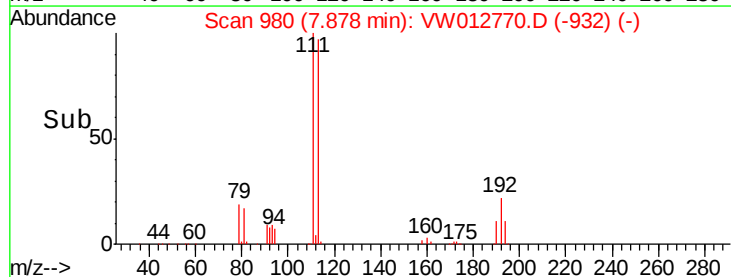


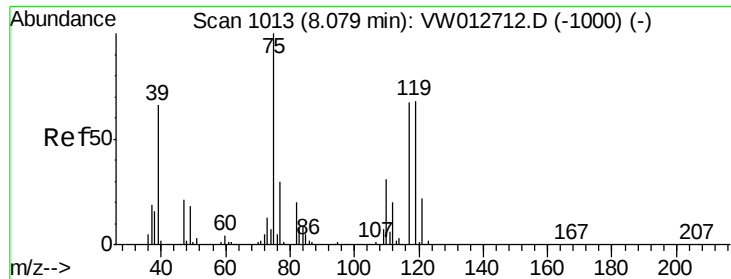
#35
 Dibromofluoromethane
 Concen: 45.406 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012770.D
 Acq: 08 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.2	120.4
192	21.8	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

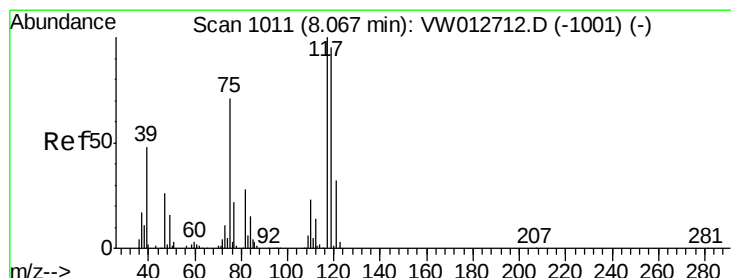
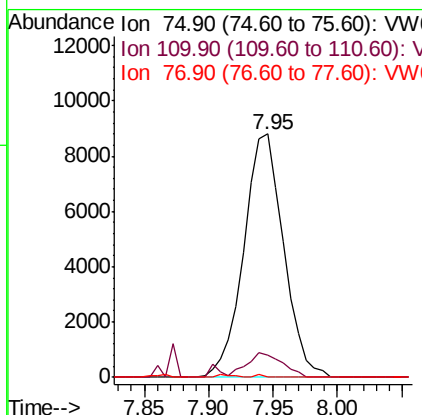
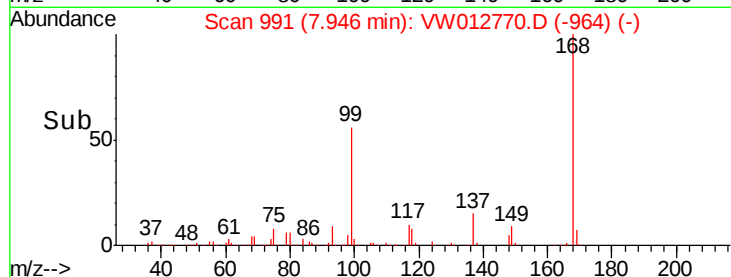
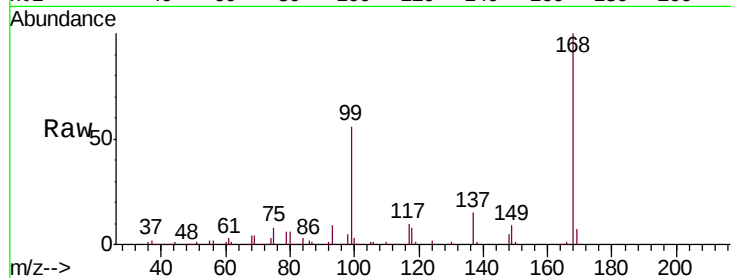




#36
 1,1-Dichloropropene
 Concen: 5.811 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012770.D
 Acq: 08 Sep 2019 15:36

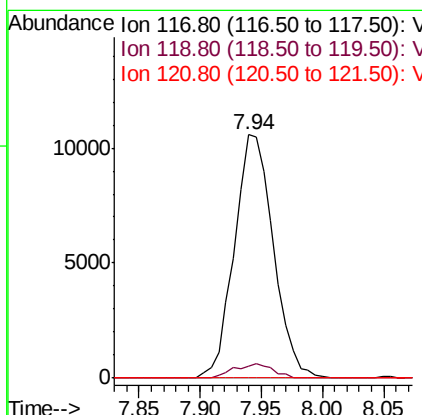
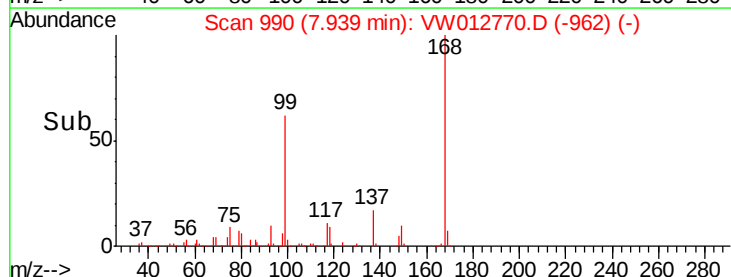
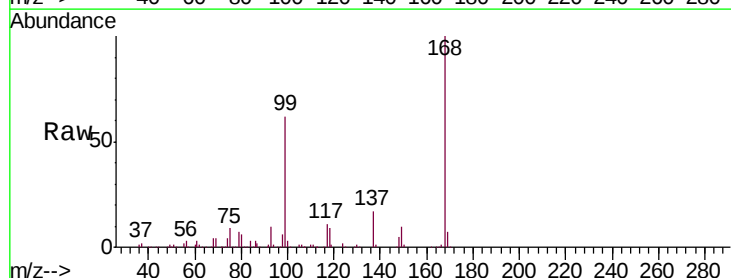
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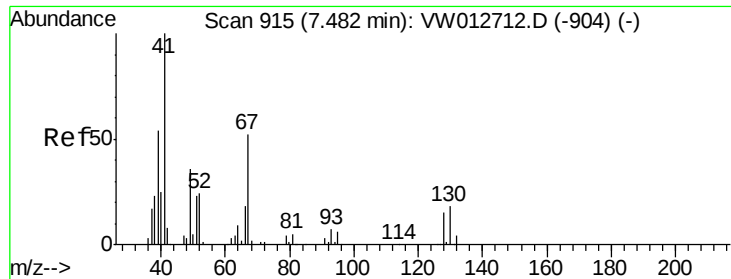
Tgt Ion: 75 Resp: 18769
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.7#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.333 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012770.D
 Acq: 08 Sep 2019 15:36

Tgt Ion: 117 Resp: 23348
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 5.842 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-E1-(3.11)

Tgt Ion: 41 Resp: 3037

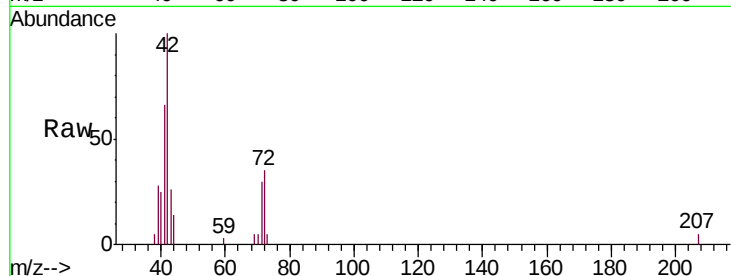
Ion Ratio Lower Upper

41 100

39 51.5 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

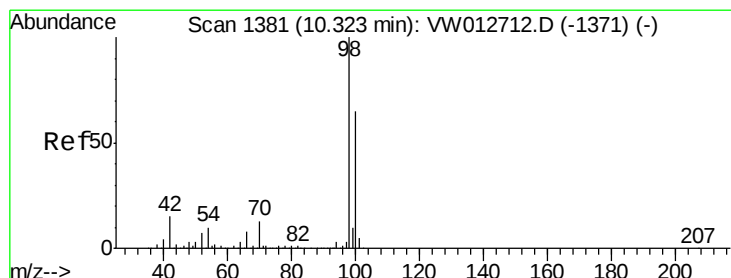
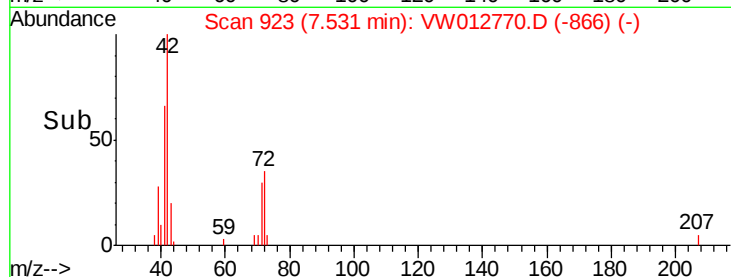
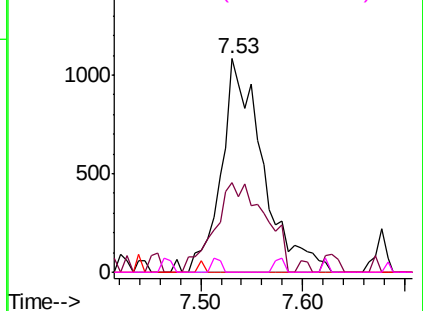


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.987 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012770.D

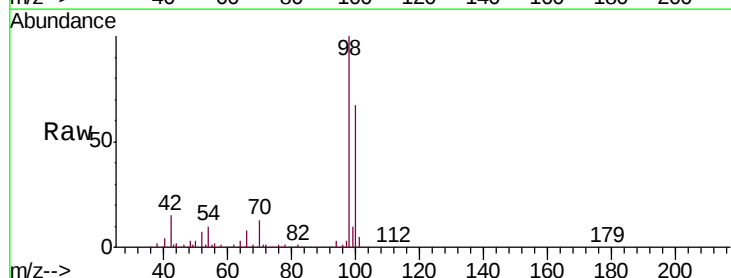
Acq: 08 Sep 2019 15:36

Tgt Ion: 98 Resp: 423273

Ion Ratio Lower Upper

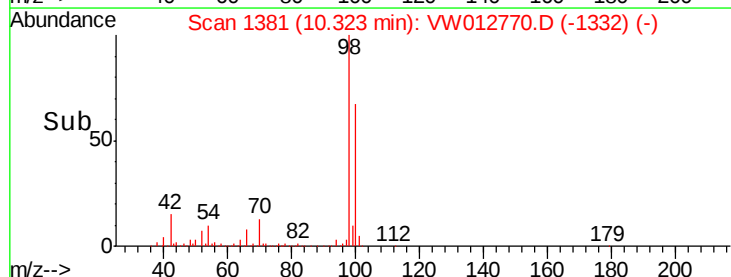
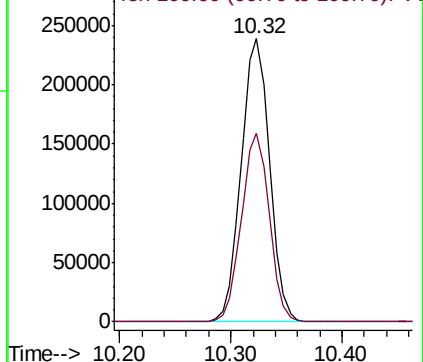
98 100

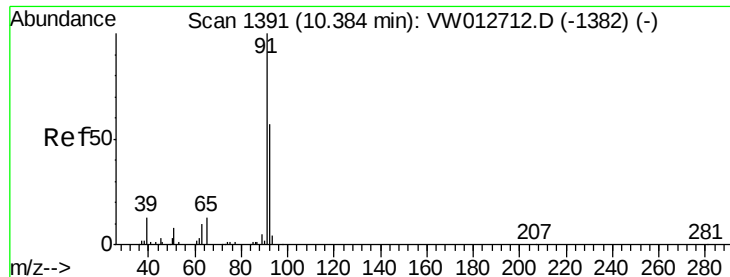
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.027 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

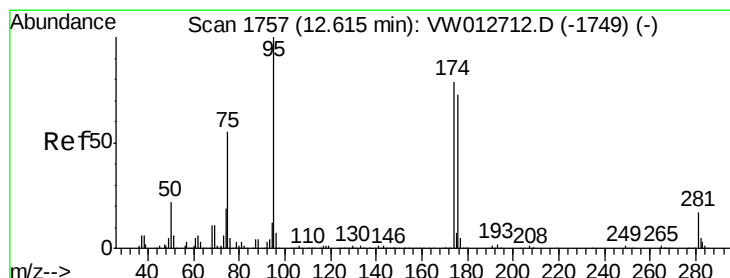
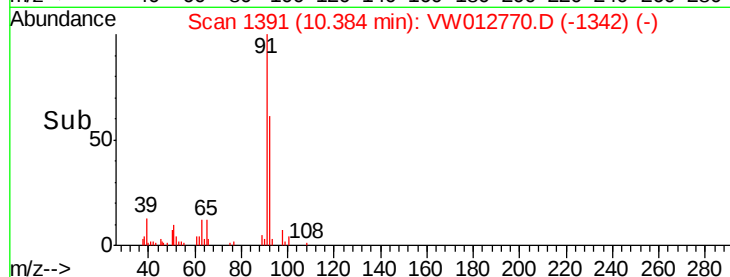
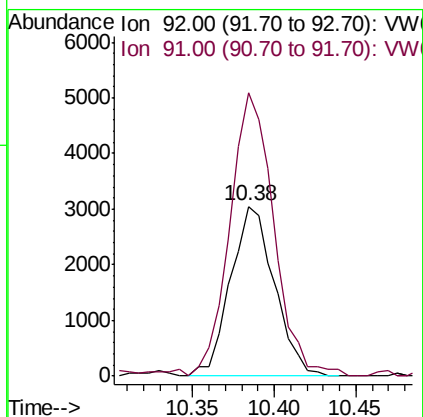
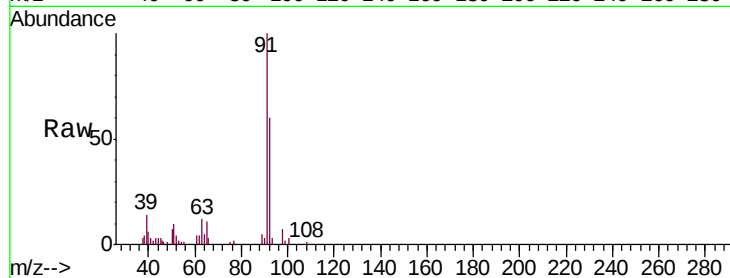
PAR-E1-(3.11)

Tgt Ion: 92 Resp: 5742

Ion Ratio Lower Upper

92 100

91 168.2 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 42.547 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

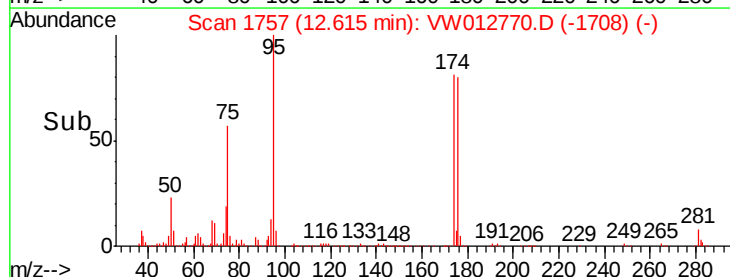
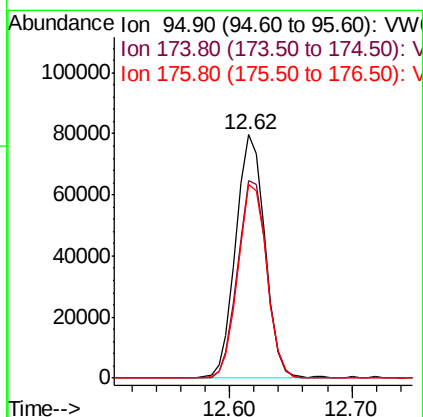
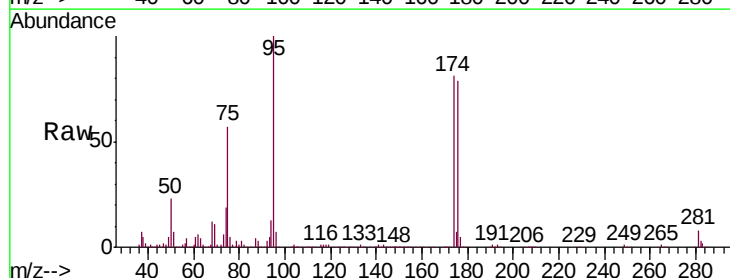
Tgt Ion: 95 Resp: 130789

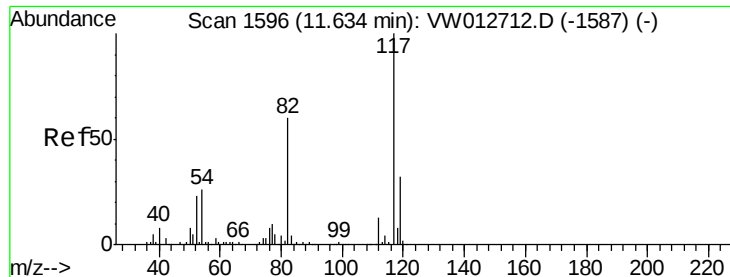
Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.0

176 79.4 0.0 156.4

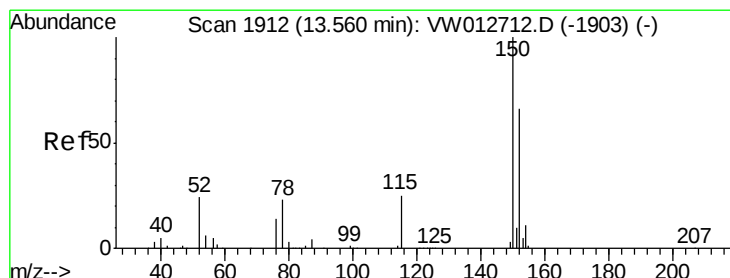
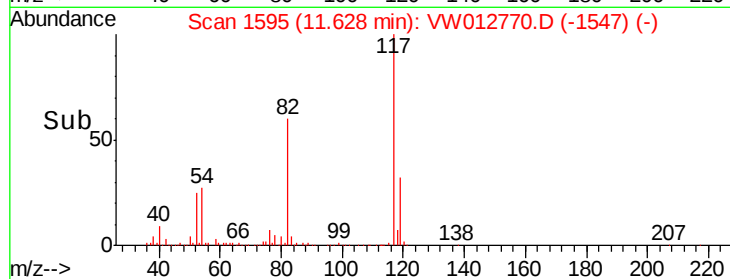
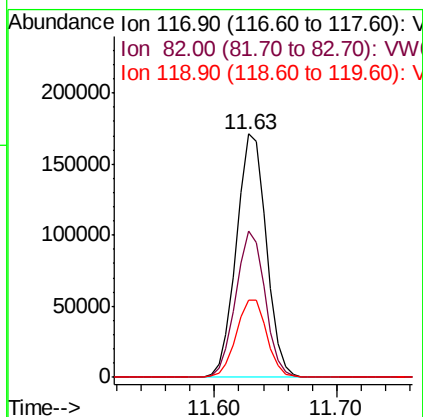
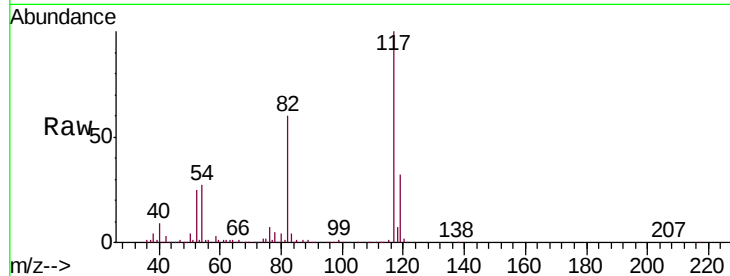




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

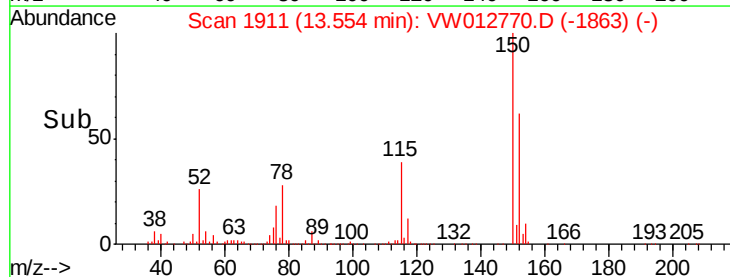
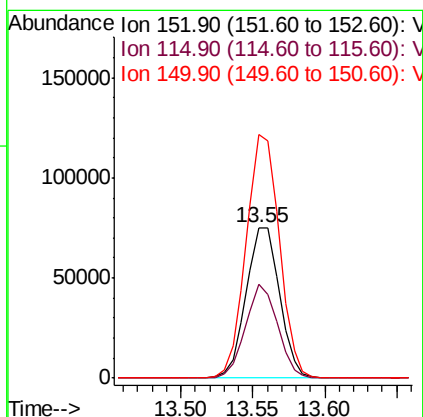
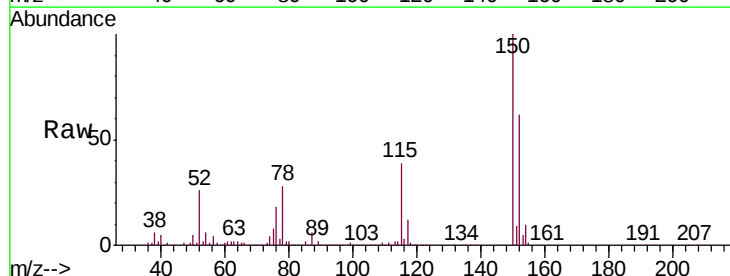
Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(3.11)

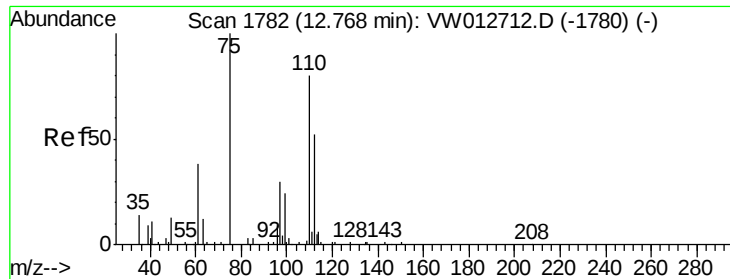
Tgt Ion:117 Resp: 289885
Ion Ratio Lower Upper
117 100
82 60.0 48.2 72.4
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

Tgt Ion:152 Resp: 120800
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 160.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.789 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

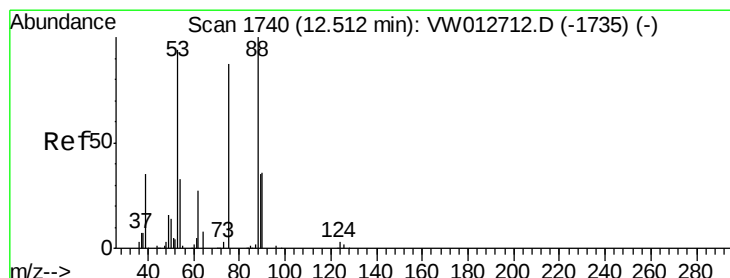
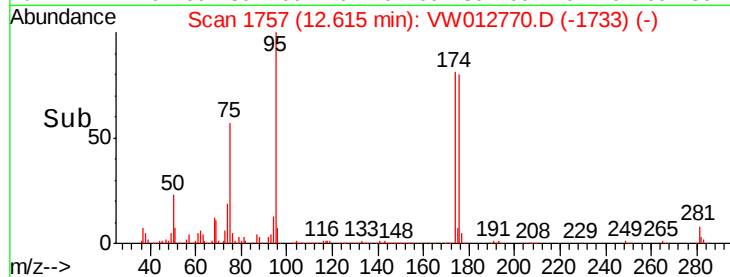
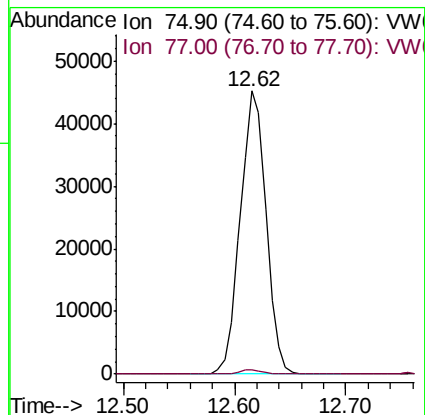
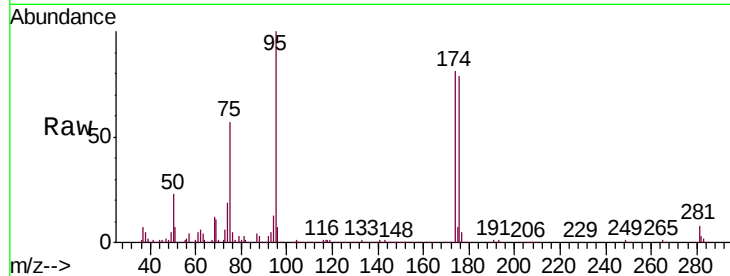
PAR-E1-(3.11)

Tgt Ion: 75 Resp: 72618

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.343 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012770.D

Acq: 08 Sep 2019 15:36

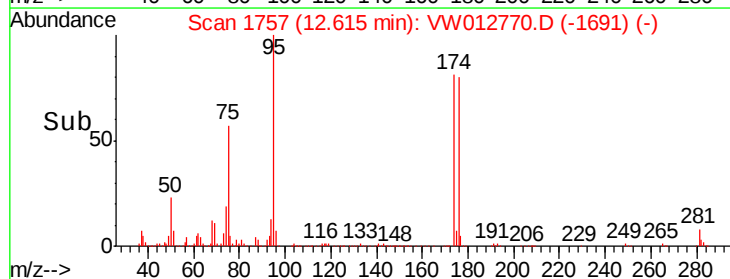
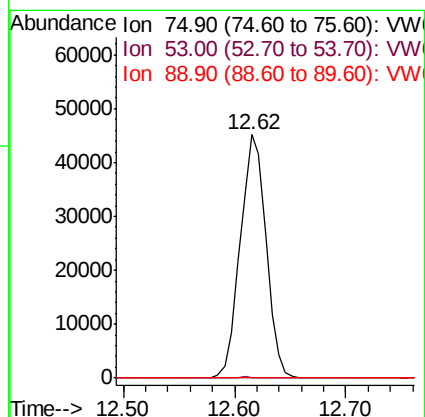
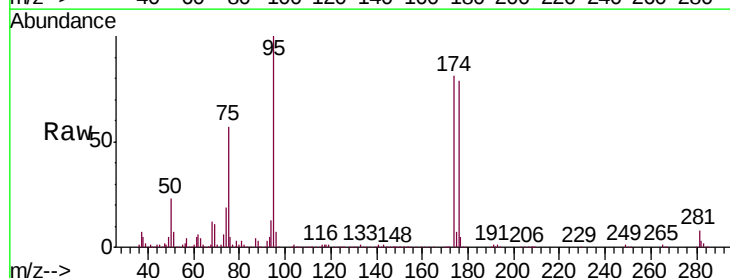
Tgt Ion: 75 Resp: 72618

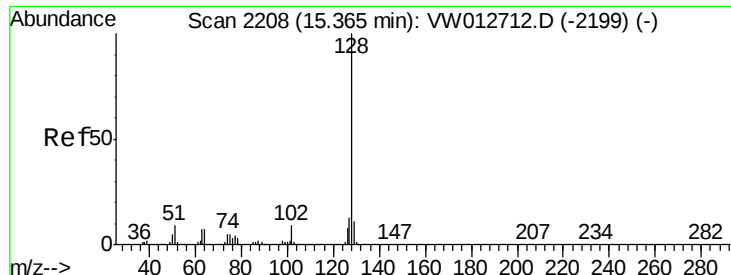
Ion Ratio Lower Upper

75 100

53 0.3 87.6 131.4#

89 0.1 35.5 53.3#





#95
Naphthalene
Concen: 4.572 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012770.D
Acq: 08 Sep 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(3.11)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.5	10.7	16.1#
129	14.4	8.7	13.1#

