

Data File : VW012011.D
Acq On : 20 Aug 2019 00:47
Operator : SY/VA
Sample : K4386-06
Misc : 6.09G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T8-E3-(2)

Quant Time: Aug 20 05:16:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	504447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	416830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	184716	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
35) Dibromofluoromethane	7.88	113	150678	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
50) Toluene-d8	10.32	98	623101	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.62	95	190557	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

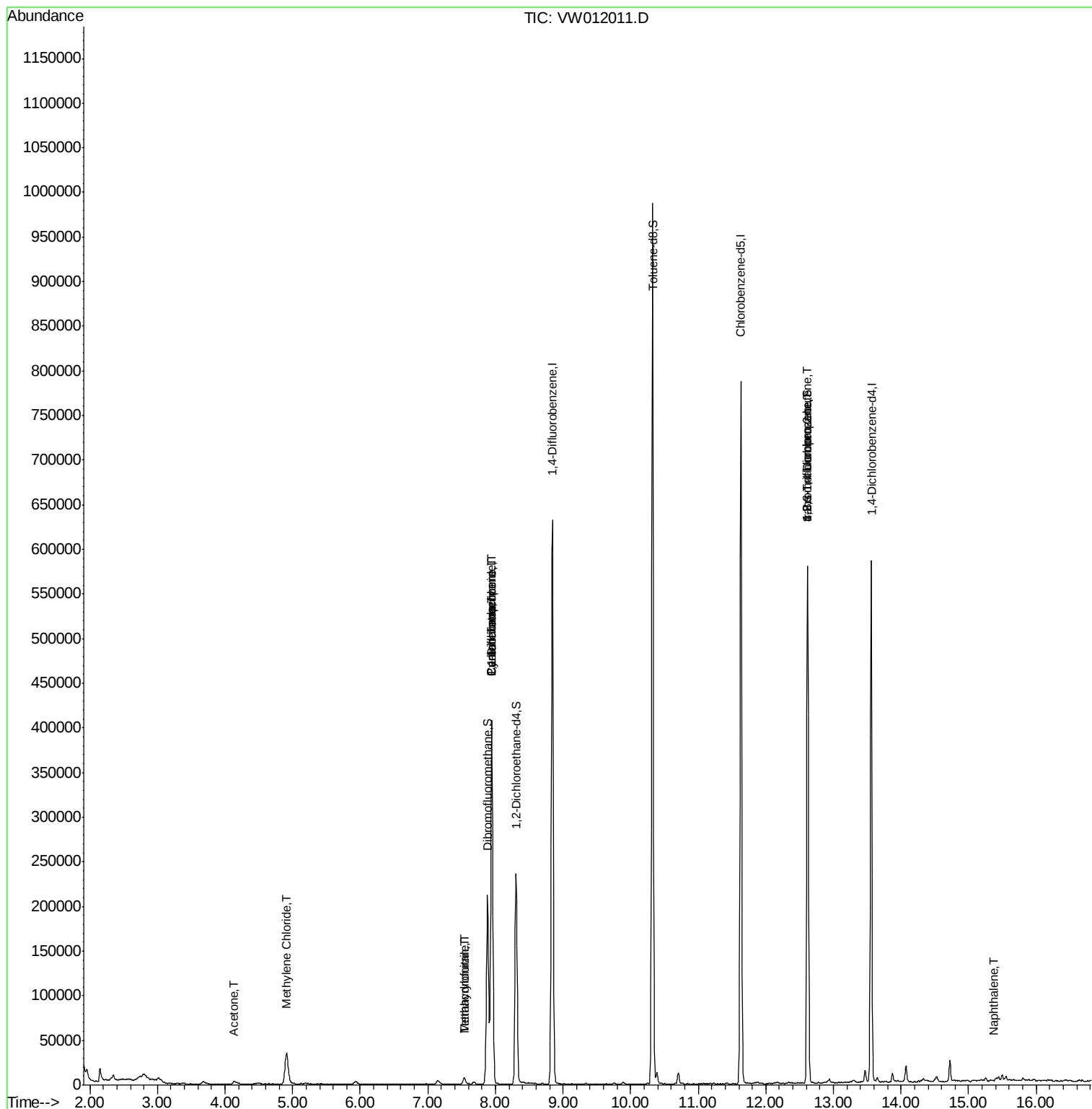
						Qvalue
11) Tert butyl alcohol	5.20	59	1116	Below Cal	#	72
16) Acetone	4.13	43	6881	6.257	ug/l	96
20) Methylene Chloride	4.92	84	25426	6.704	ug/l	97
29) Tetrahydrofuran	7.54	42	6774	8.235	ug/l	95
31) Cyclohexane	7.94	56	7183	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25408	4.844	ug/l #	52
38) Carbon Tetrachloride	7.95	117	30519	6.797	ug/l #	17
41) Methacrylonitrile	7.53	41	3970	2.201	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	99091	63.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	99091	145.623	ug/l #	6
95) Naphthalene	15.37	128	564	2.158	ug/l	97

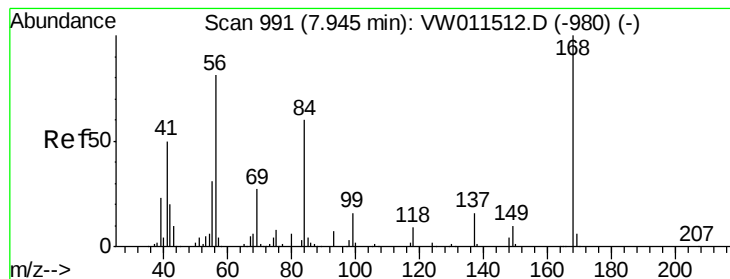
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012011.D

Acq: 20 Aug 2019 00:47

Instrument :

MSVOA_W

ClientSampleId :

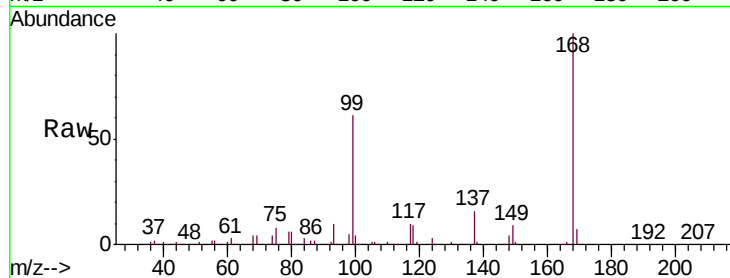
T8-E3-(2)

Tgt Ion:168 Resp: 301069

Ion Ratio Lower Upper

168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

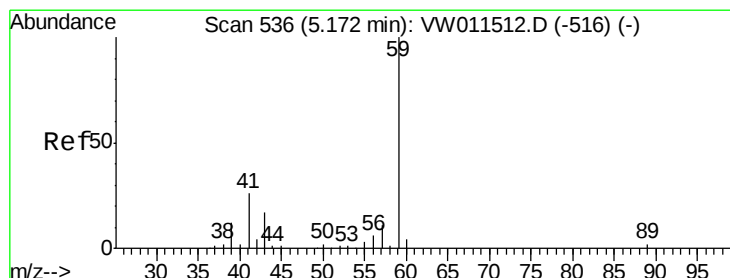
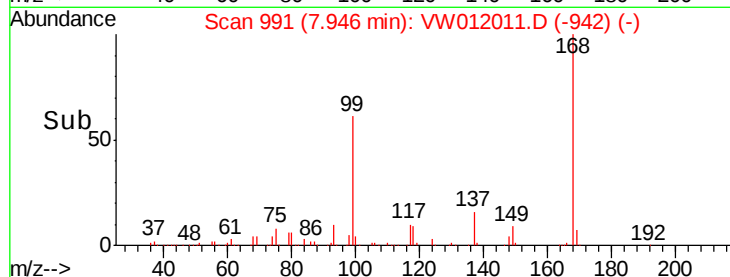
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012011.D

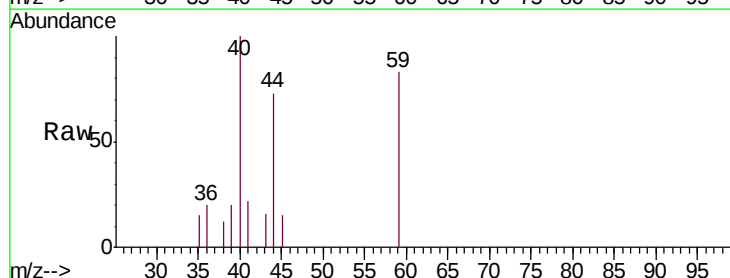
Acq: 20 Aug 2019 00:47

Tgt Ion: 59 Resp: 1116

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

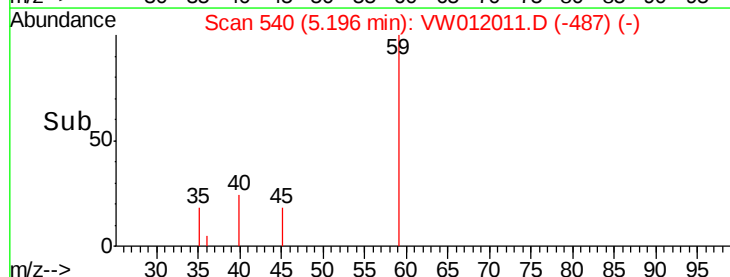
300

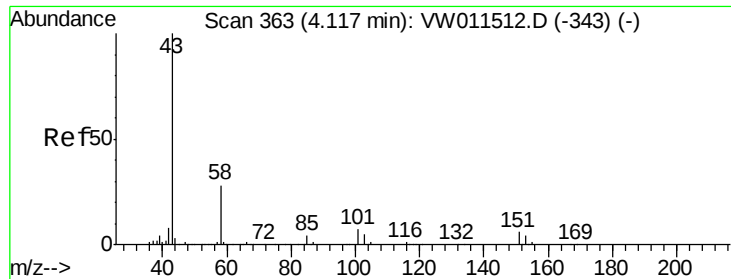
200

100

0

Time--> 5.15 5.20 5.25 5.30

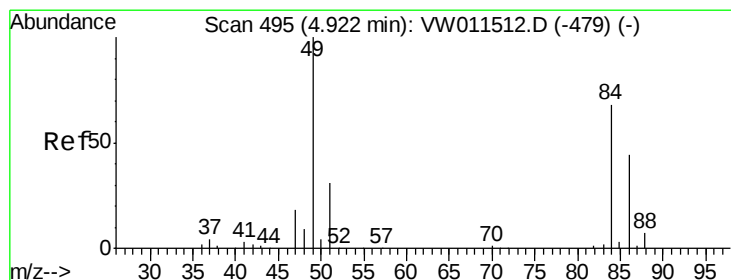
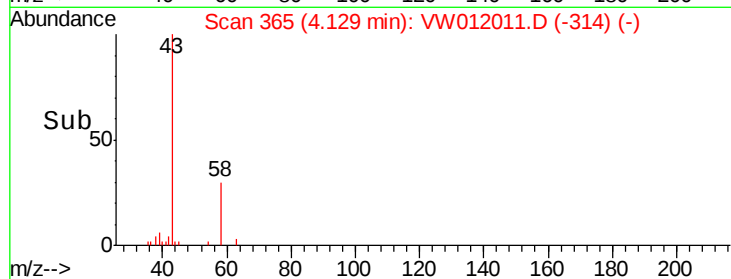
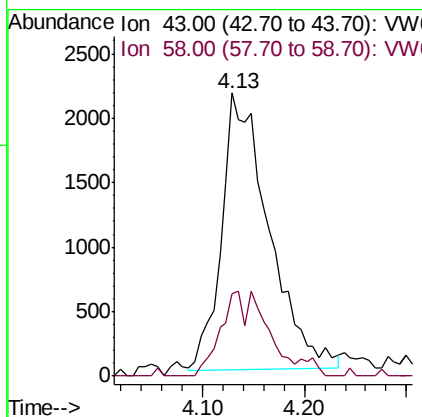
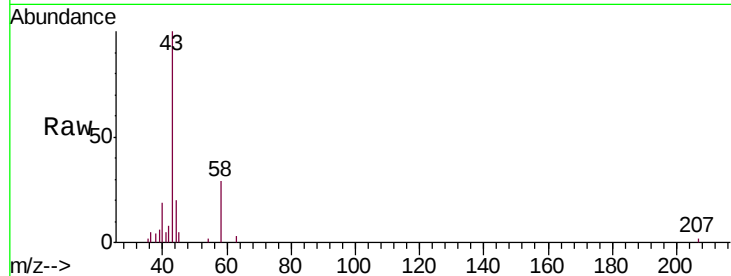




#16
Acetone
Concen: 6.257 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

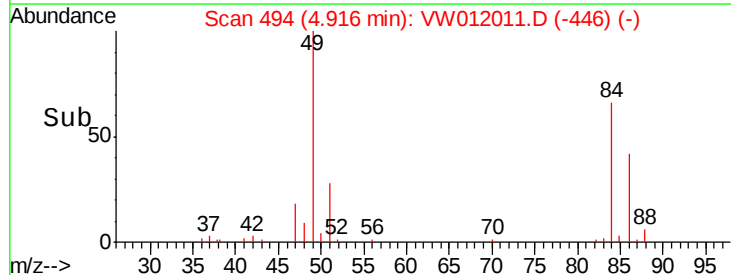
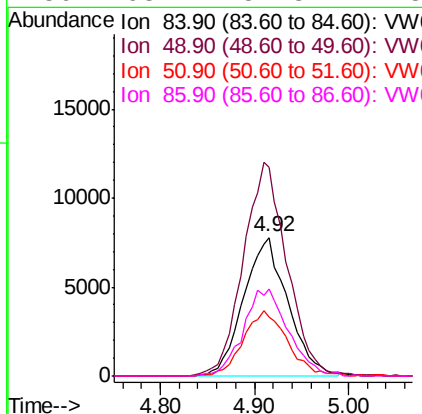
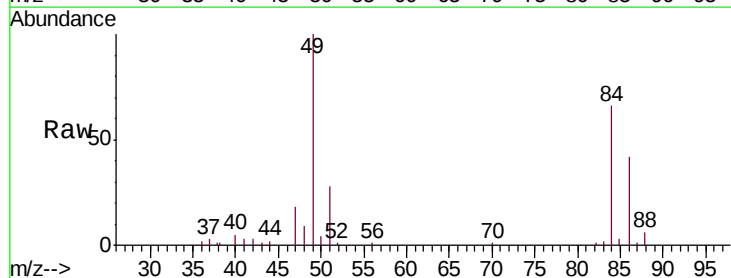
Instrument :
MSVOA_W
ClientSampleId :
T8-E3-(2)

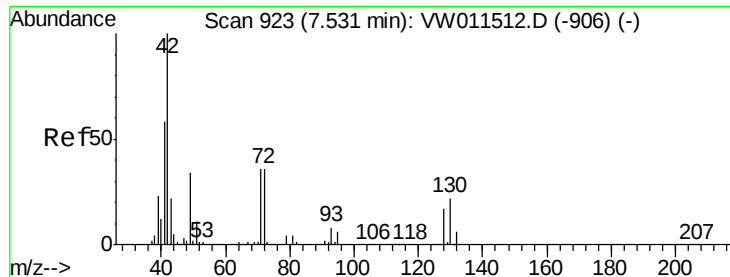
Tgt Ion: 43 Resp: 6881
Ion Ratio Lower Upper
43 100
58 30.2 22.3 33.5



#20
Methylene Chloride
Concen: 6.704 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

Tgt Ion: 84 Resp: 25426
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.6
51 42.5 37.0 55.4
86 63.4 51.8 77.8

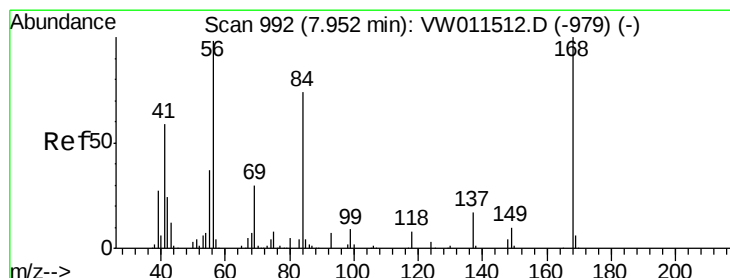
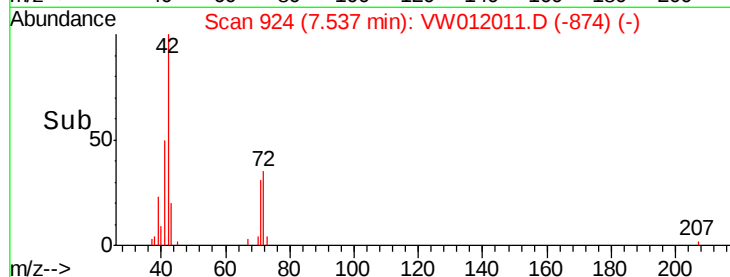
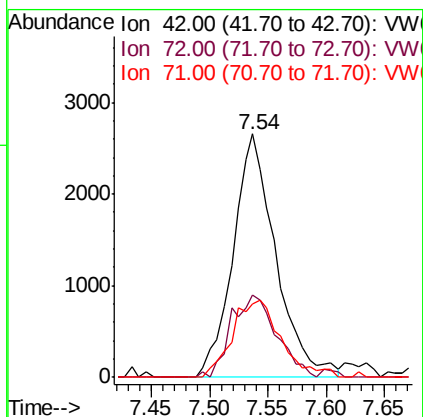
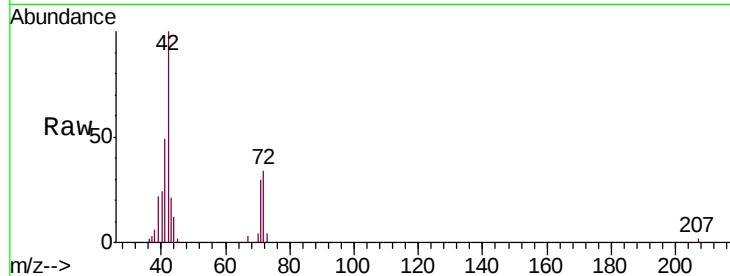




#29
Tetrahydrofuran
Concen: 8.235 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

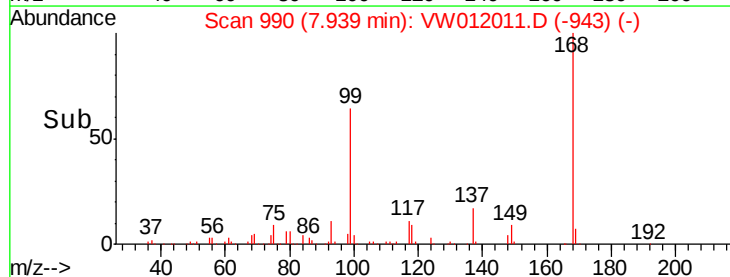
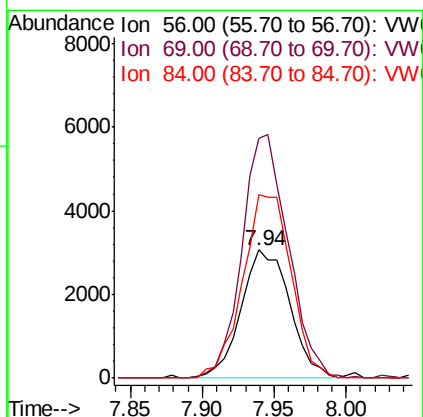
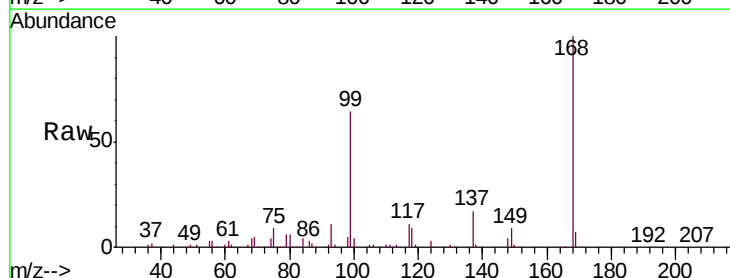
Instrument :
MSVOA_W
ClientSampleId :
T8-E3-(2)

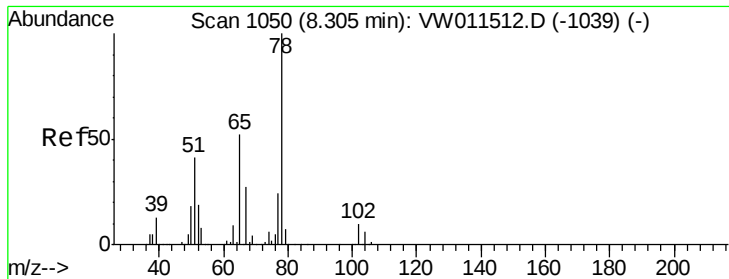
Tgt Ion: 42 Resp: 6774
Ion Ratio Lower Upper
42 100
72 35.8 27.1 40.7
71 36.2 26.2 39.4



#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

Tgt Ion: 56 Resp: 7183
Ion Ratio Lower Upper
56 100
69 187.4 24.3 36.5#
84 143.4 60.4 90.6#

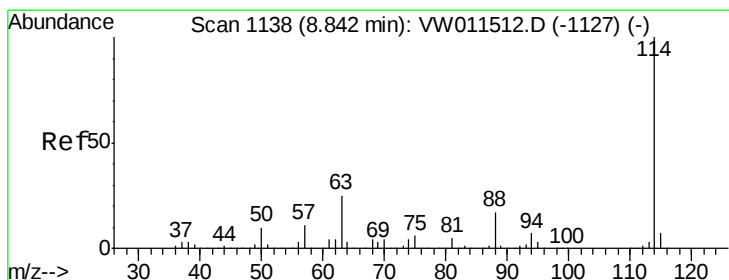
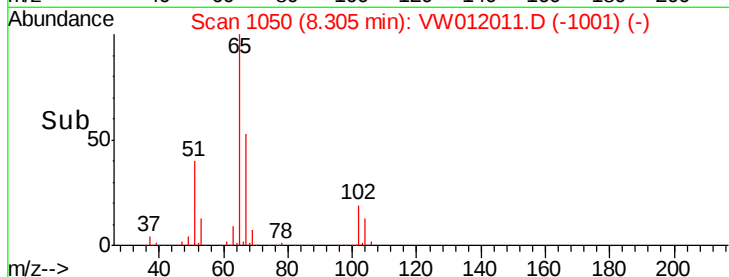
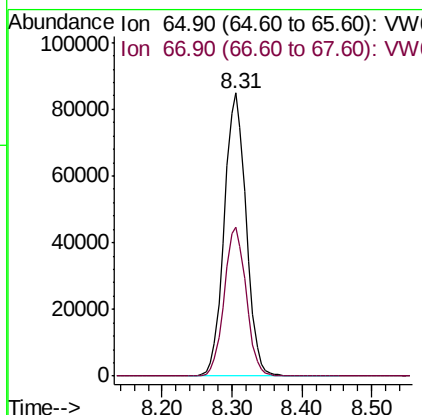
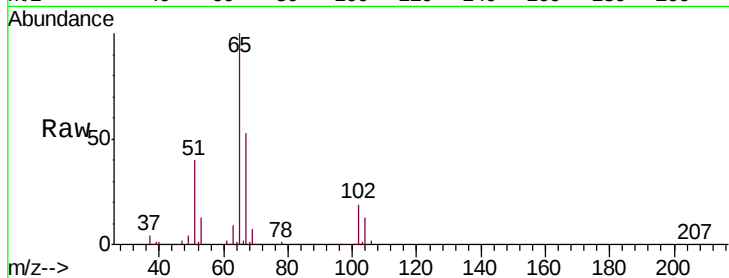




#33
 1,2-Dichloroethane-d4
 Concen: 53.431 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

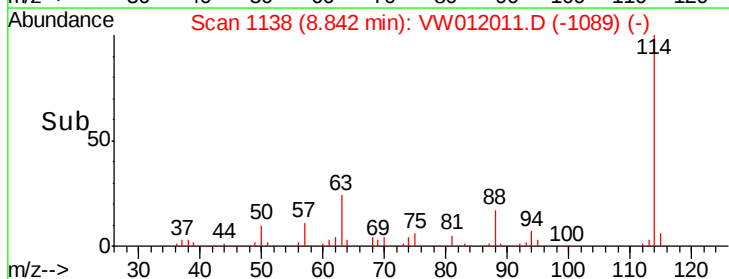
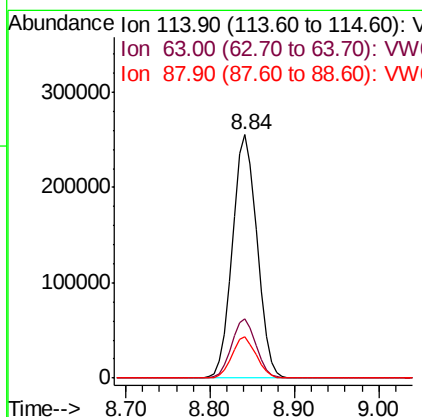
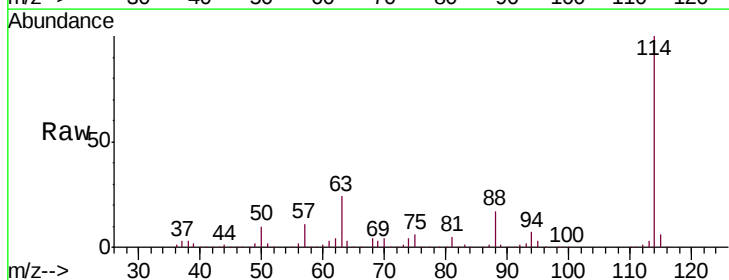
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-E3-(2)

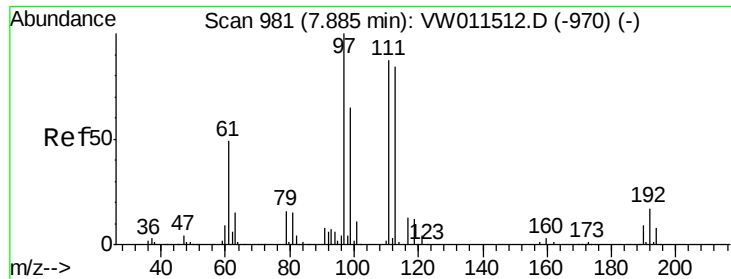
Tgt Ion: 65 Resp: 184716
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

Tgt Ion: 114 Resp: 504447
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.9 0.0 33.8

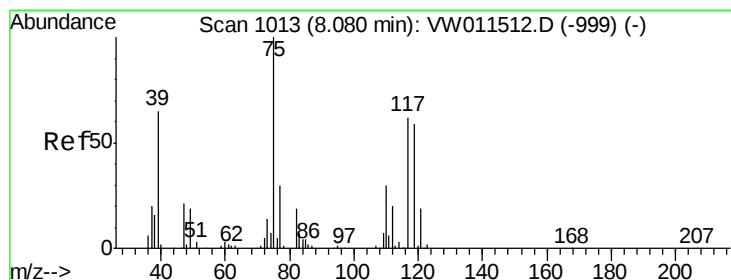
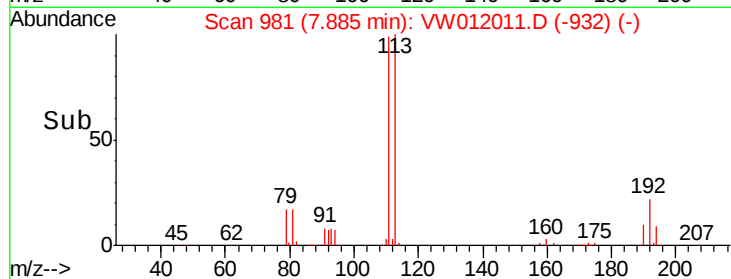
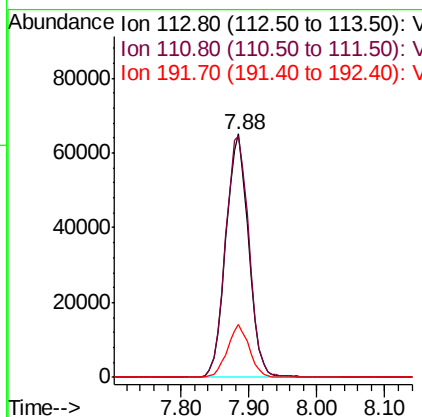
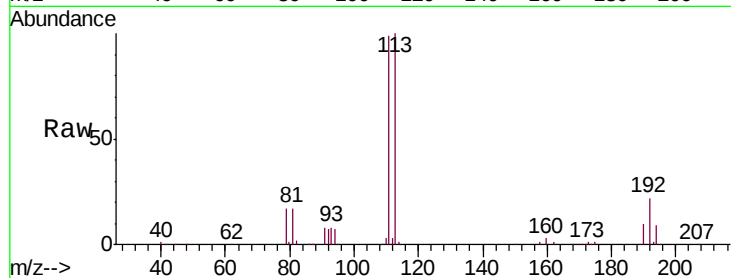




#35
 Dibromofluoromethane
 Concen: 53.242 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

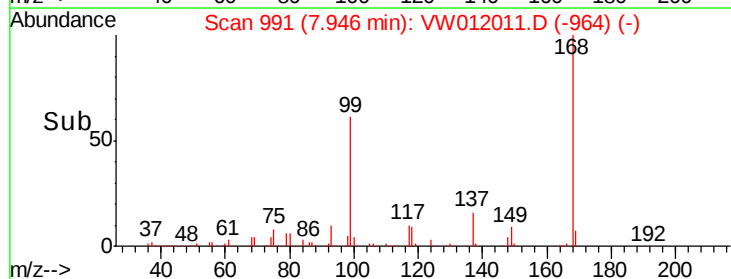
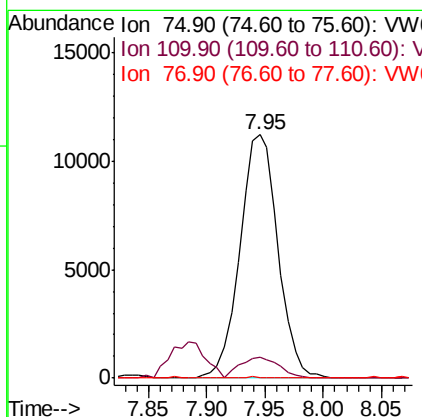
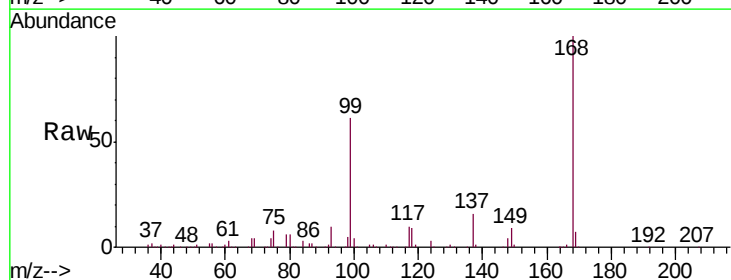
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-E3-(2)

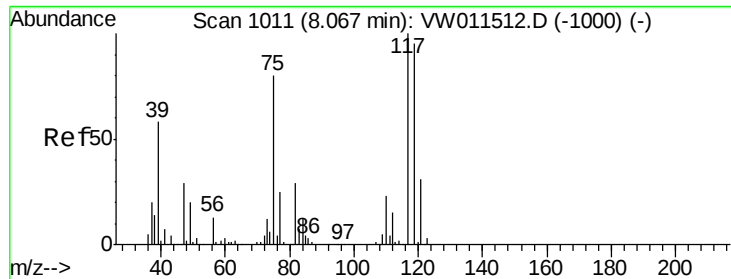
Tgt Ion:113 Resp: 150678
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

Tgt Ion: 75 Resp: 25408
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.797 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012011.D

Acq: 20 Aug 2019 00:47

Instrument :

MSVOA_W

ClientSampleId :

T8-E3-(2)

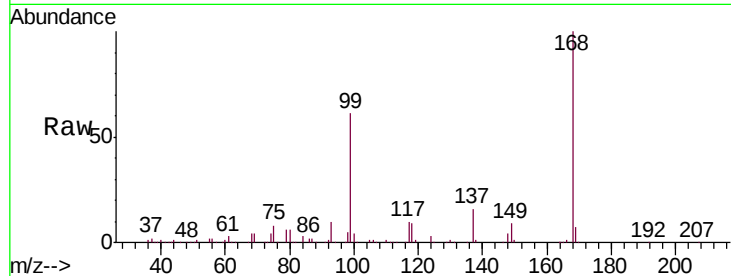
Tgt Ion:117 Resp: 30519

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

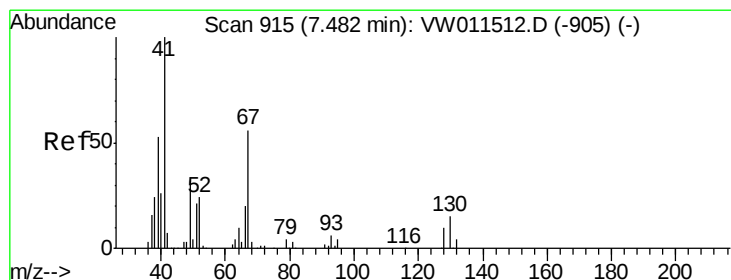
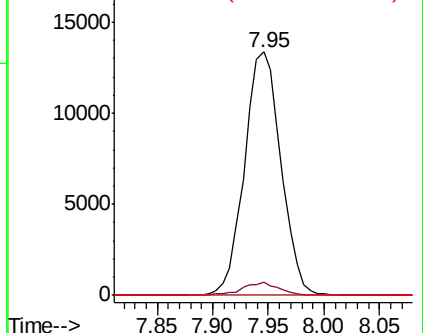
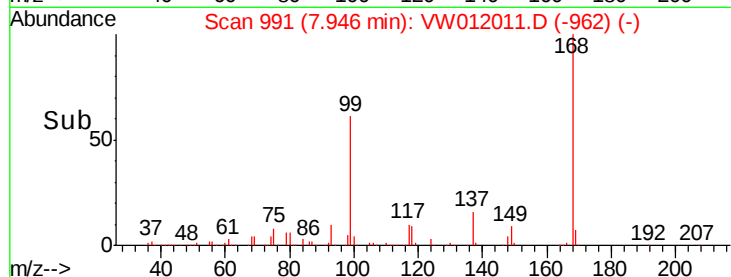
121 0.0 24.7 37.1#



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: 2.201 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012011.D

Acq: 20 Aug 2019 00:47

Tgt Ion: 41 Resp: 3970

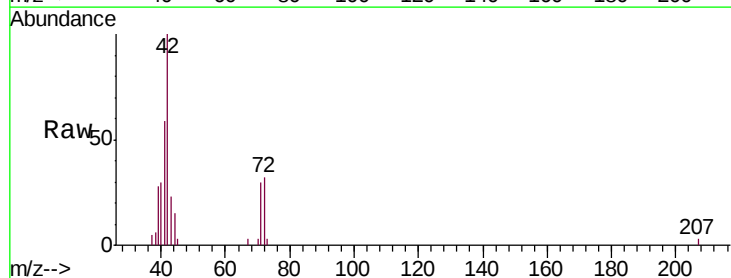
Ion Ratio Lower Upper

41 100

39 50.0 43.0 64.4

67 1.4 47.5 71.3#

52 0.0 21.0 31.6#

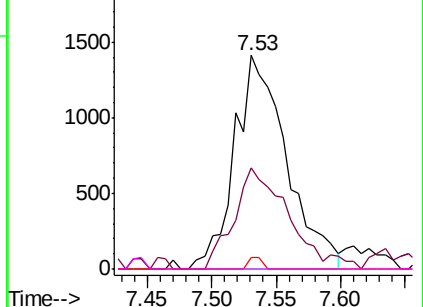
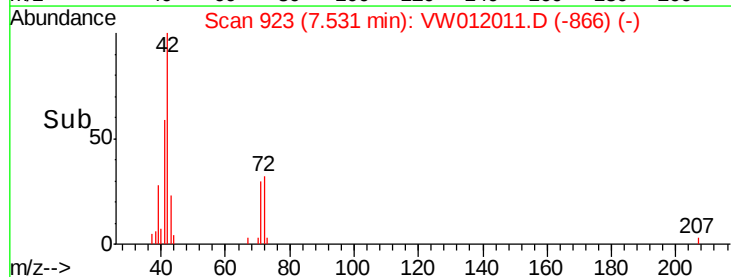


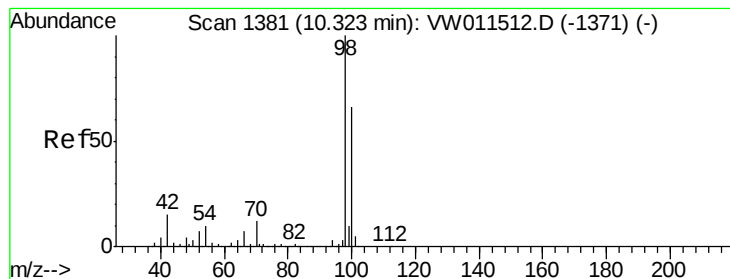
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 53.776 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012011.D

Acq: 20 Aug 2019 00:47

Instrument :

MSVOA_W

ClientSampleId :

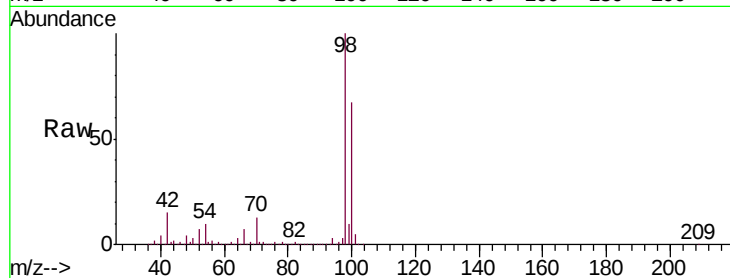
T8-E3-(2)

Tgt Ion: 98 Resp: 623101

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

400000

300000

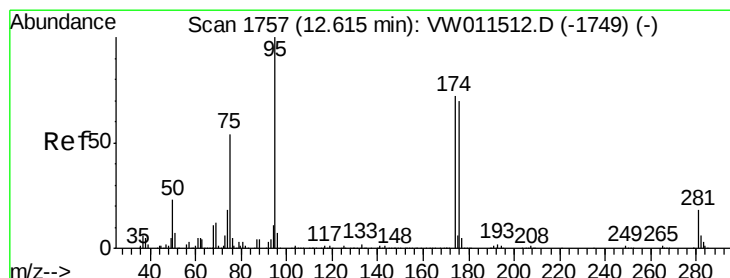
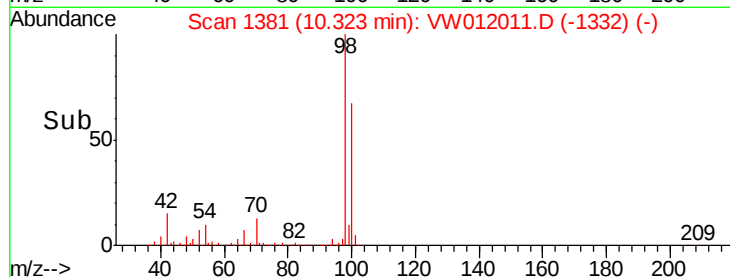
200000

100000

0

Time-->

10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 46.129 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012011.D

Acq: 20 Aug 2019 00:47

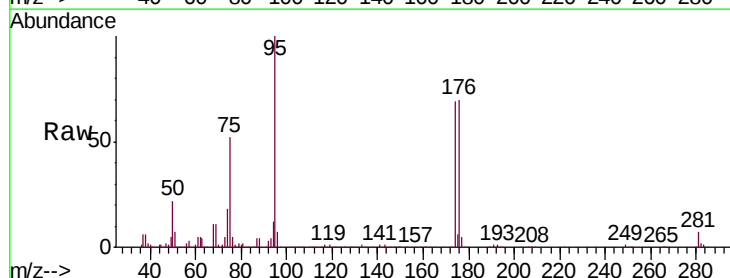
Tgt Ion: 95 Resp: 190557

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 73.8 0.0 144.4



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

12.62

150000

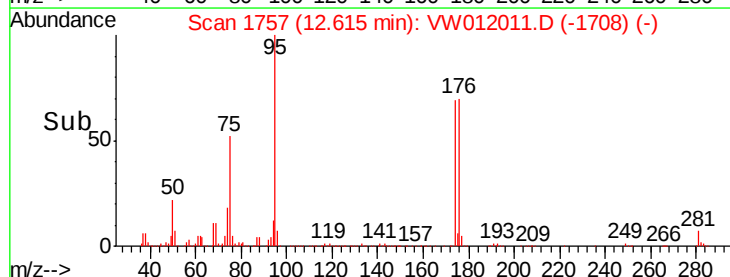
100000

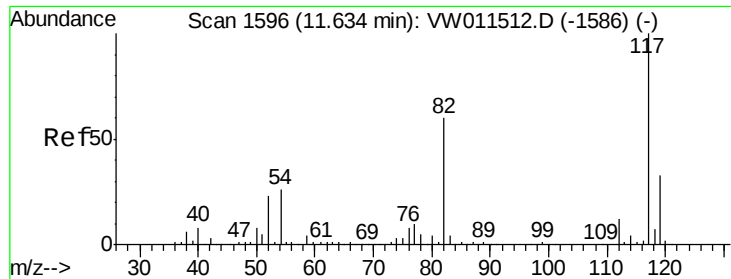
50000

0

Time-->

12.50 12.60 12.70

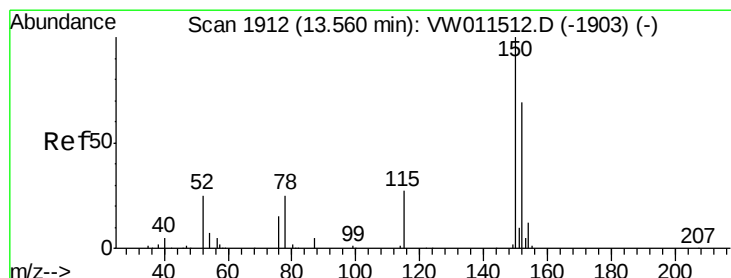
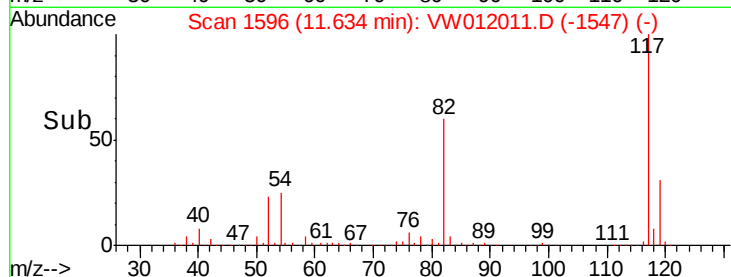
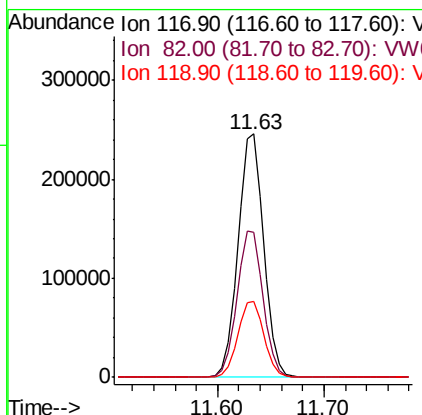
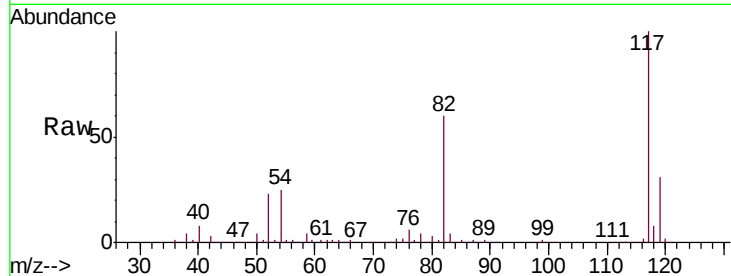




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

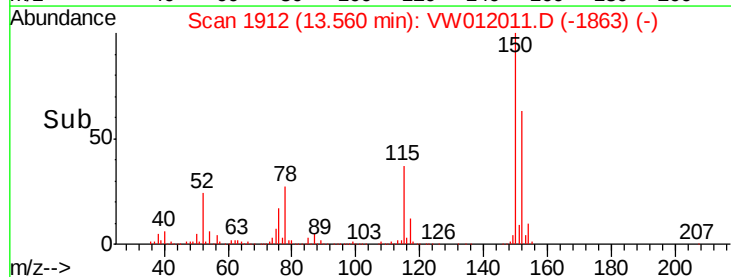
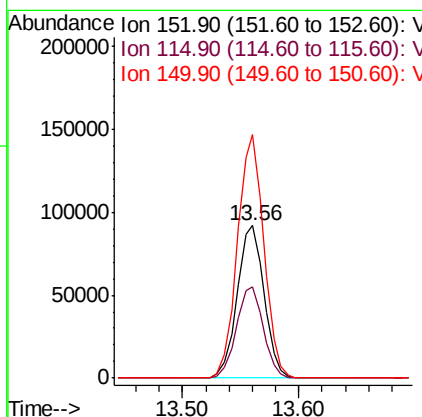
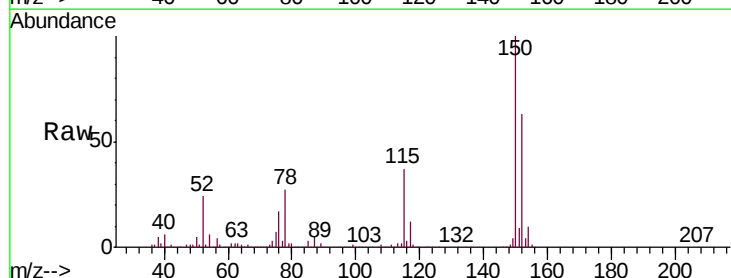
Instrument :
MSVOA_W
ClientSampleId :
T8-E3-(2)

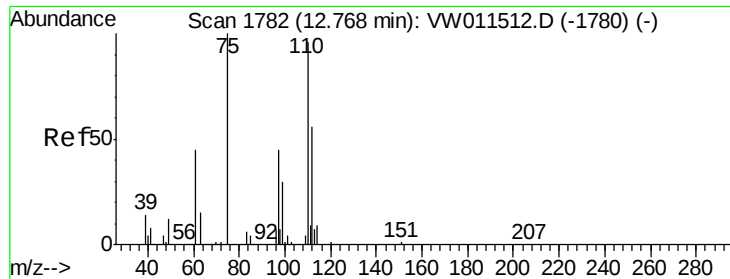
Tgt Ion:117 Resp: 416830
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012011.D
Acq: 20 Aug 2019 00:47

Tgt Ion:152 Resp: 148210
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 156.3 0.0 352.6

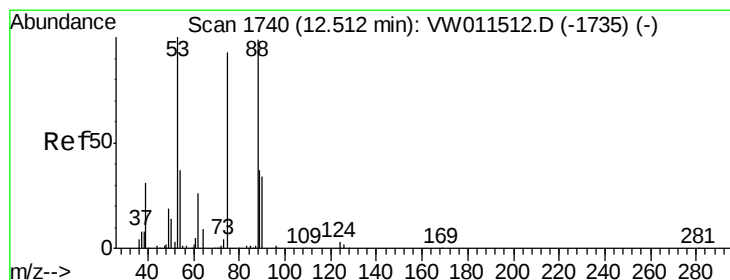
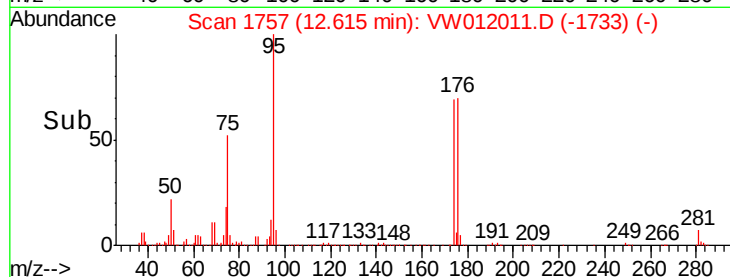
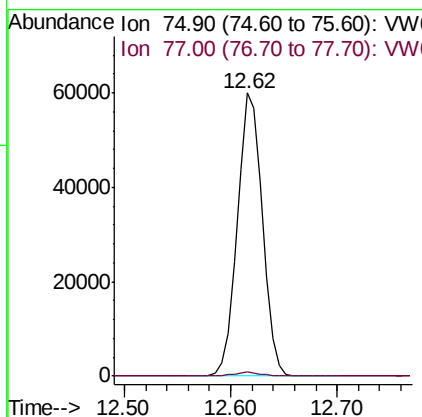
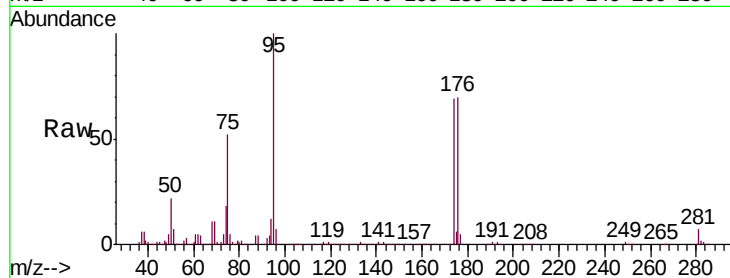




#76
 1,2,3-Trichloropropane
 Concen: 63.186 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

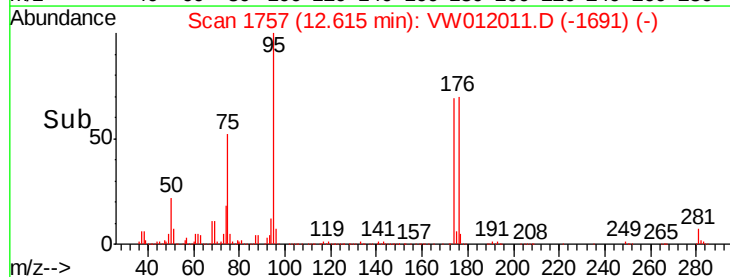
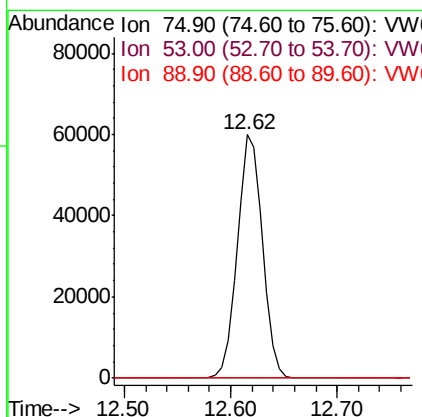
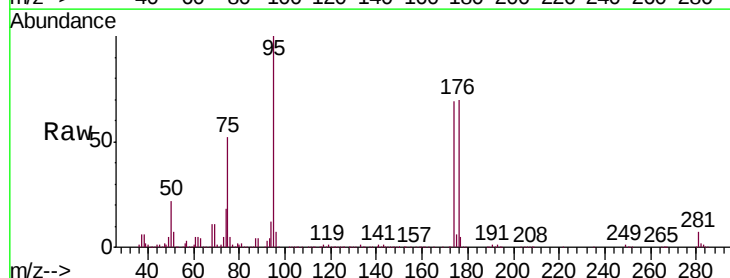
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-E3-(2)

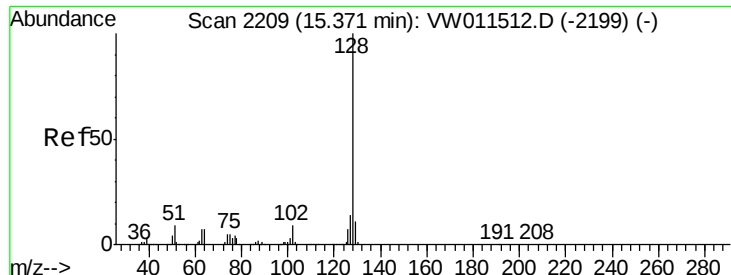
Tgt Ion: 75 Resp: 99091
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.623 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012011.D
 Acq: 20 Aug 2019 00:47

Tgt Ion: 75 Resp: 99091
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.158 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012011.D

Acq: 20 Aug 2019 00:47

Instrument :

MSVOA_W

ClientSampleId :

T8-E3-(2)

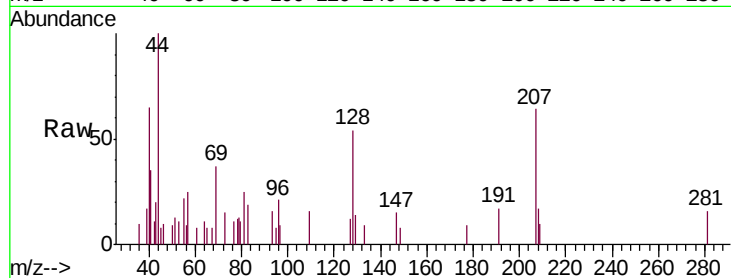
Tgt Ion:128 Resp: 564

Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

129 9.6 8.6 13.0



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

