

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012678.D
 Acq On : 06 Sep 2019 08:14
 Operator : SY/VA
 Sample : K4581-07
 Misc : 5.34G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 06 08:58:49 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	256476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	170480	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.88	113	128006	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.32	98	489972	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	144871	40.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.48%	

Target Compounds

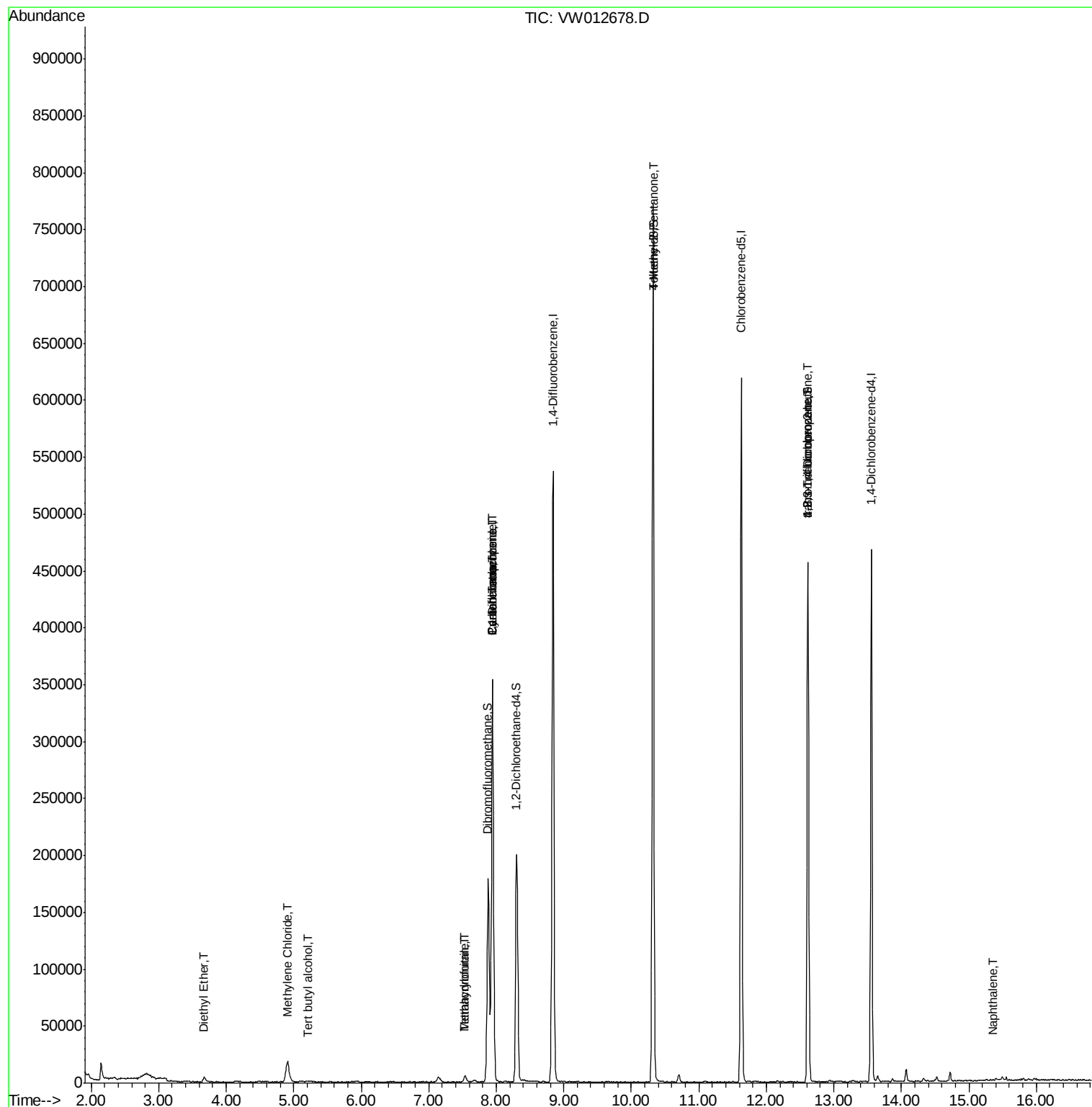
					Qvalue	
8) Diethyl Ether	3.68	74	1974	1.383	ug/l	70
11) Tert butyl alcohol	5.20	59	550	2.998	ug/l #	71
20) Methylene Chloride	4.91	84	13337	4.527	ug/l #	83
29) Tetrahydrofuran	7.54	42	4616	7.265	ug/l	98
31) Cyclohexane	7.94	56	6299	1.147	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	22008	5.110	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25883	6.943	ug/l #	16
41) Methacrylonitrile	7.53	41	2954	2.130	ug/l #	57
51) 4-Methyl-2-Pentanone	10.32	43	3029	1.362	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	77762	66.737	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77762	146.322	ug/l #	6
95) Naphthalene	15.35	128	20	4.325	ug/l #	69

(#) = 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: VW012678.D

Acq: 06 Sep 2019 08:14

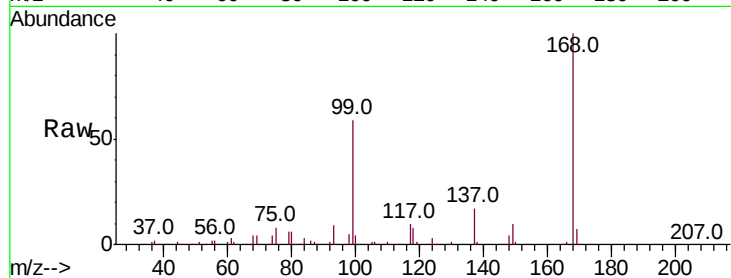
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 256476

Ion Ratio Lower Upper

168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

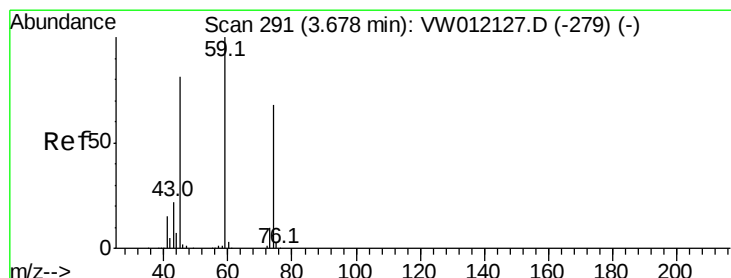
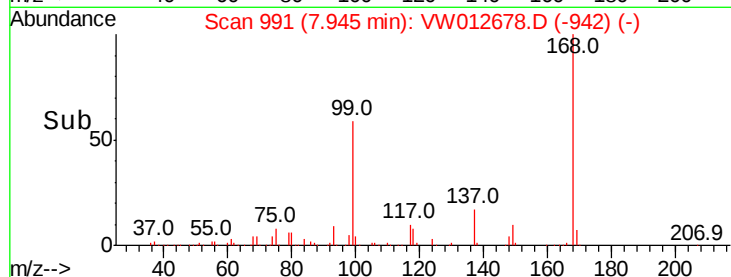
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.383 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012678.D

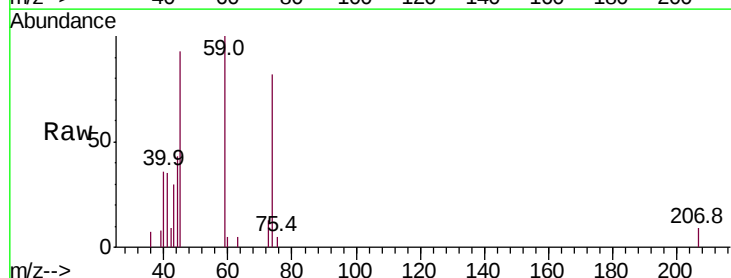
Acq: 06 Sep 2019 08:14

Tgt Ion: 74 Resp: 1974

Ion Ratio Lower Upper

74 100

45 151.5 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

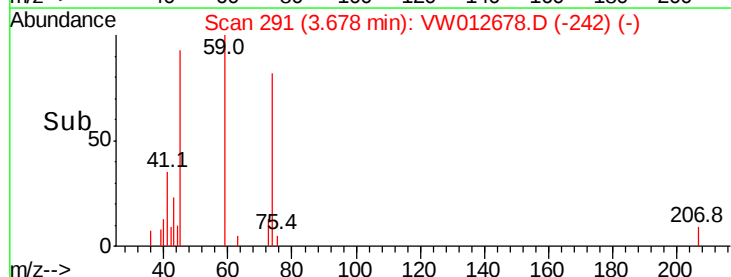
600

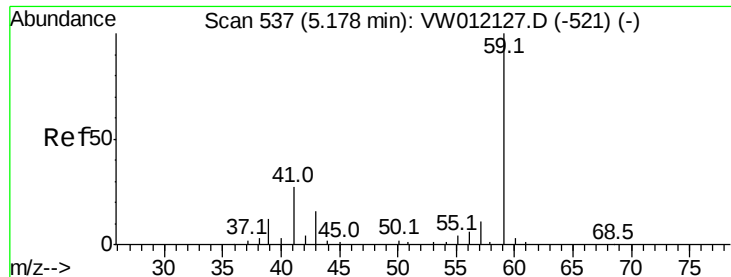
400

200

0

Time--> 3.60 3.65 3.70 3.75

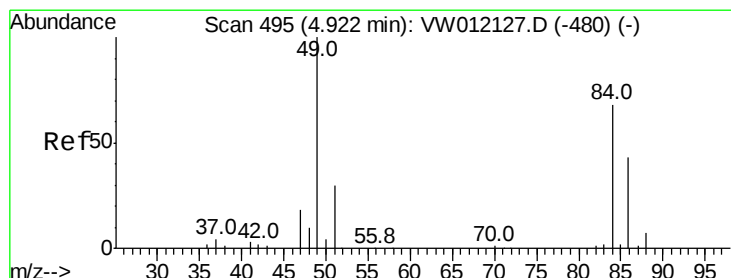
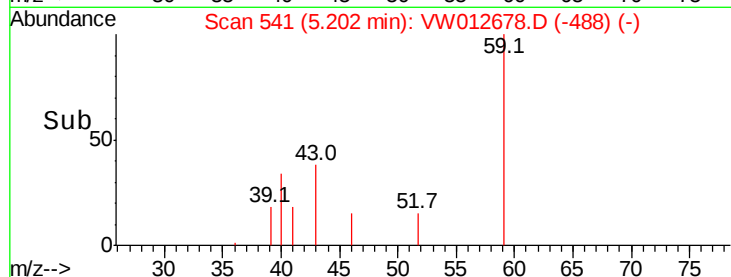
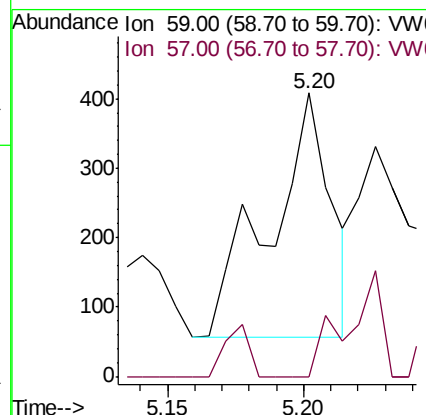
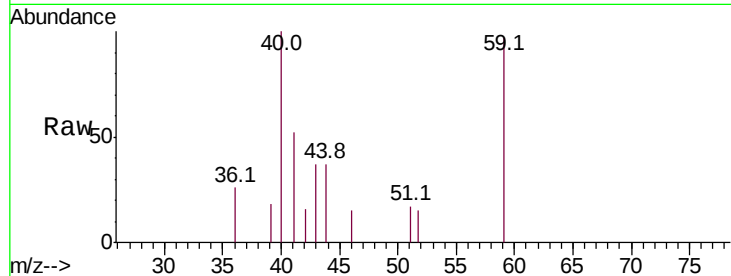




#11
Tert butyl alcohol
Concen: 2.998 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

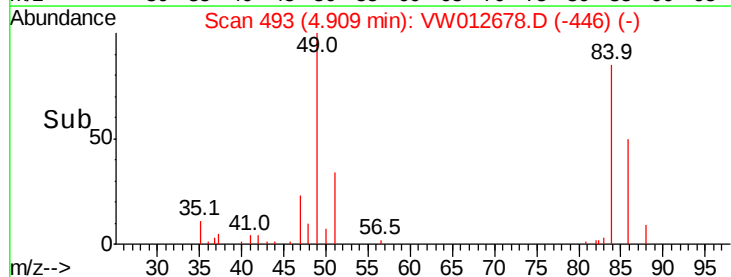
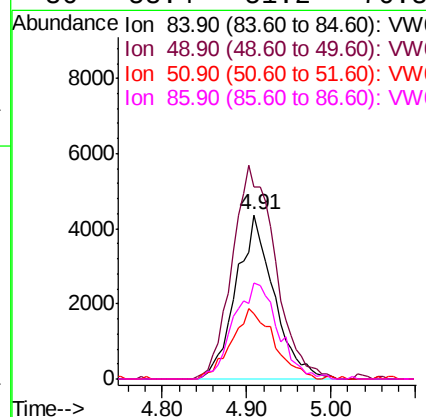
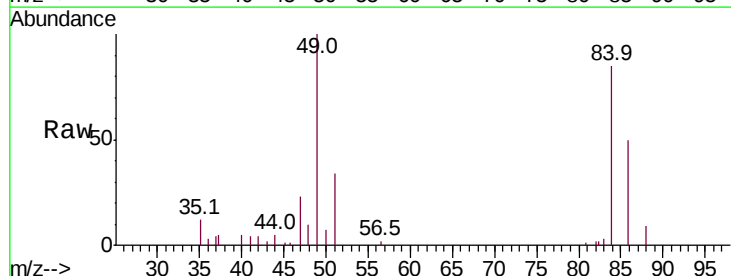
Instrument :
MSVOA_W
ClientSampled :

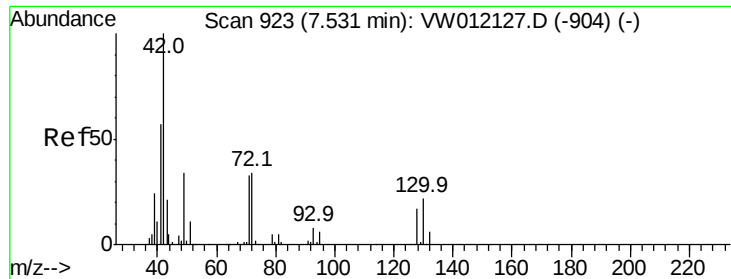
Tot Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Tgt Ion: 84 Resp: 13337
Ion Ratio Lower Upper
84 100
49 117.5 117.8 176.8#
51 39.7 35.6 53.4
86 58.4 51.2 76.8

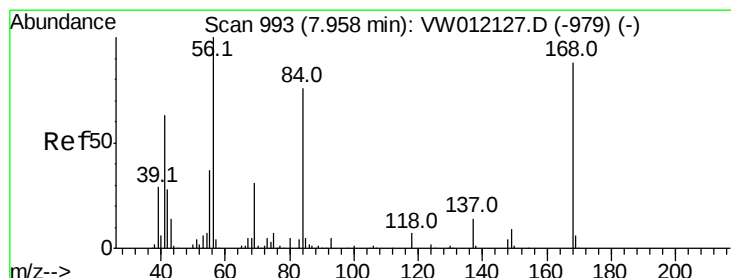
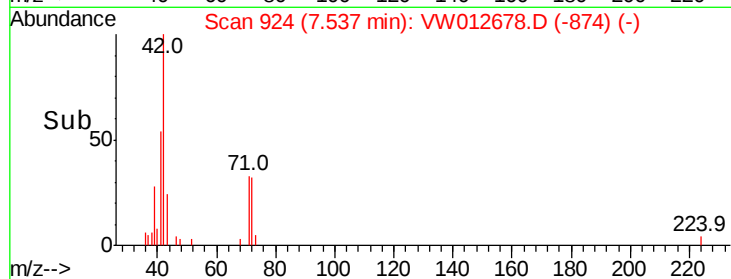
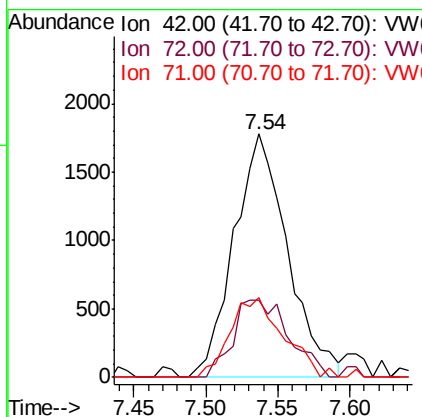
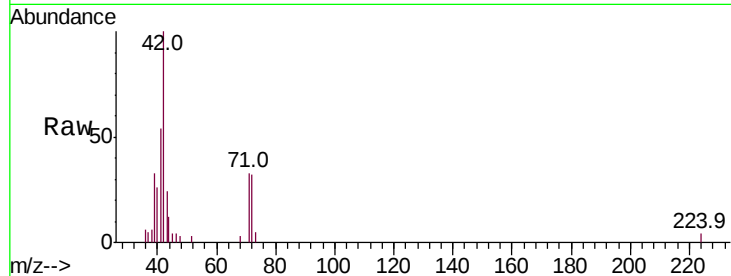




#29
Tetrahydrofuran
Concen: 7.265 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

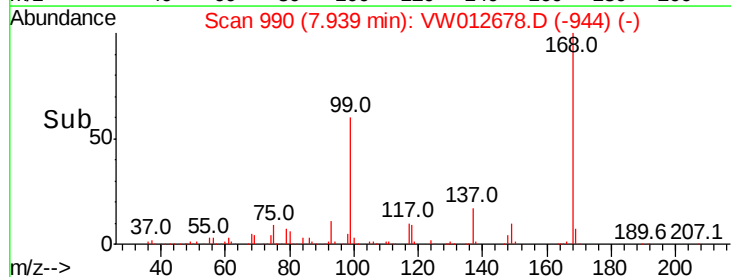
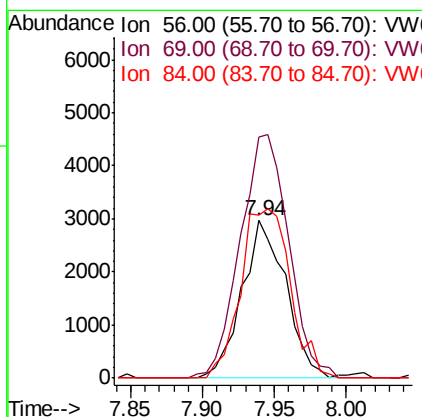
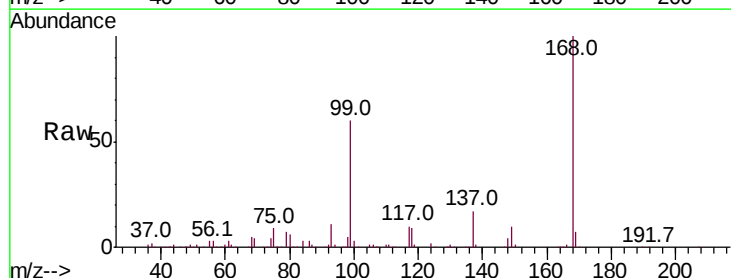
Instrument :
MSVOA_W
ClientSampleId :

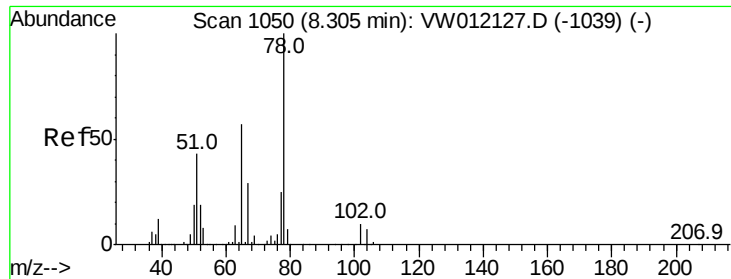
Tot Ion: 42 Resp: 4616
Ion Ratio Lower Upper
42 100
72 33.2 27.3 40.9
71 32.7 25.5 38.3



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Tgt Ion: 56 Resp: 6299
Ion Ratio Lower Upper
56 100
69 153.5 24.9 37.3#
84 103.7 60.6 90.8#

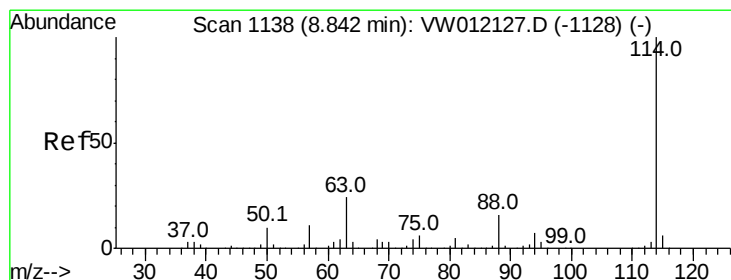
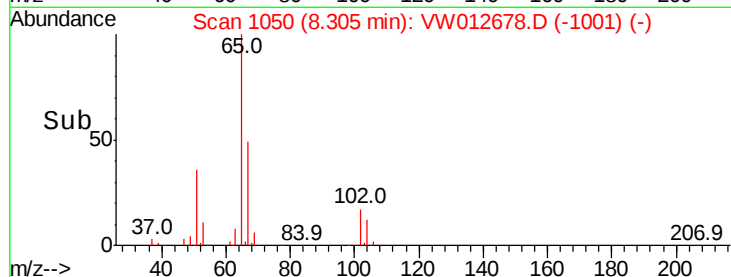
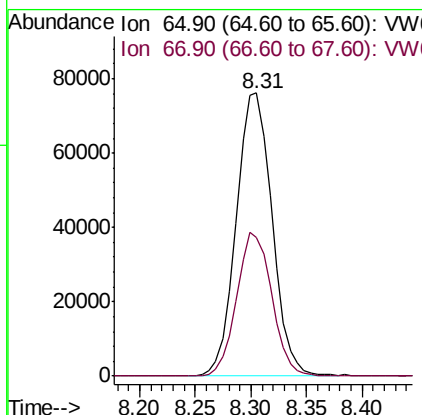
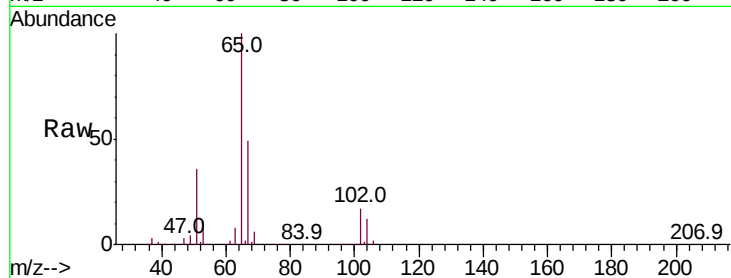




#33
 1,2-Dichloroethane-d4
 Concen: 55.916 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012678.D
 Acq: 06 Sep 2019 08:14

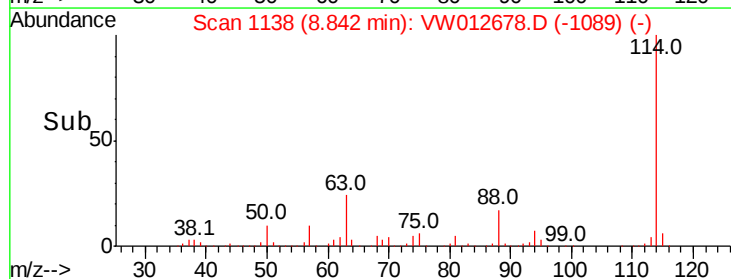
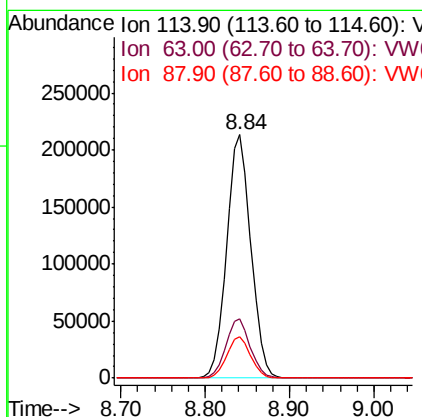
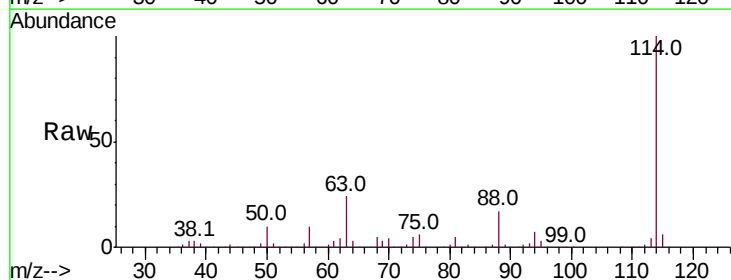
Instrument :
 MSVOA_W
 ClientSampleId :

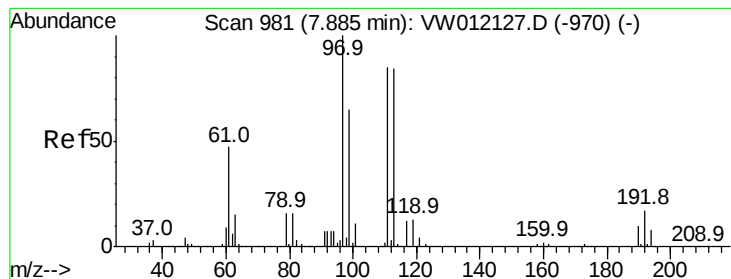
Tot Ion: 65 Resp: 170480
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012678.D
 Acq: 06 Sep 2019 08:14

Tgt Ion: 114 Resp: 416789
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 48.6
 88 17.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.453 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012678.D

Acq: 06 Sep 2019 08:14

Instrument :

MSVOA_W

ClientSampled :

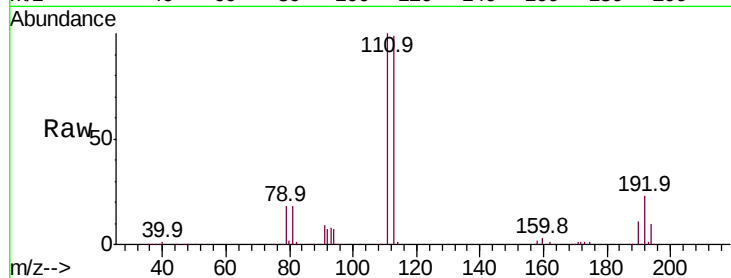
Tot Ion:113 Resp: 128006

Ion Ratio Lower Upper

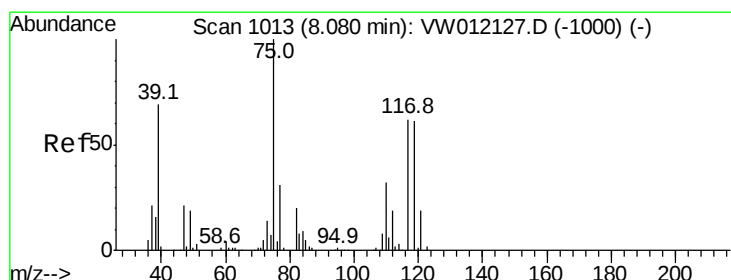
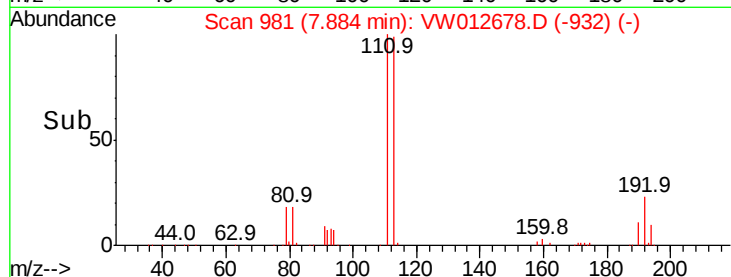
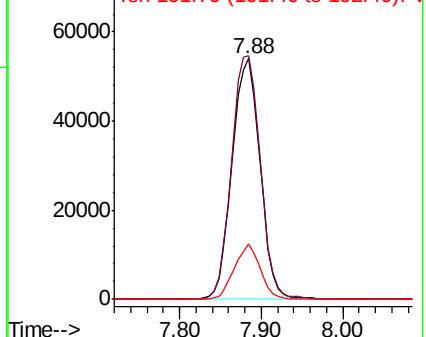
113 100

111 103.7 82.7 124.1

192 21.2 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: 5.110 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012678.D

Acq: 06 Sep 2019 08:14

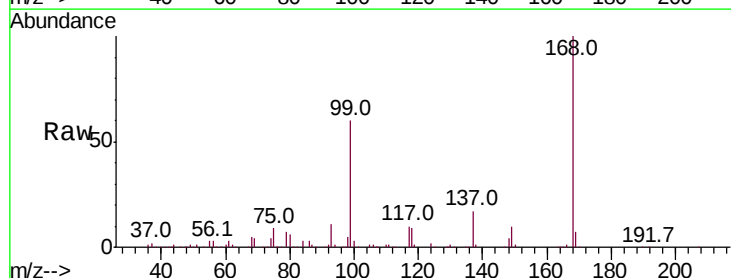
Tgt Ion: 75 Resp: 22008

Ion Ratio Lower Upper

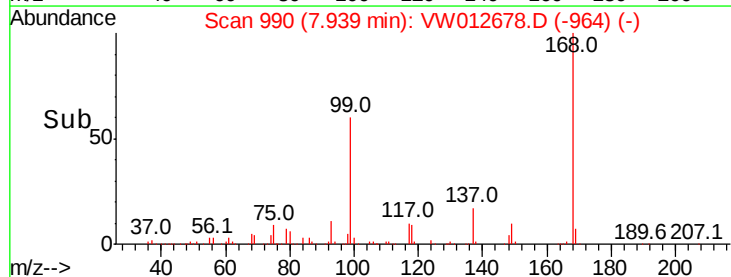
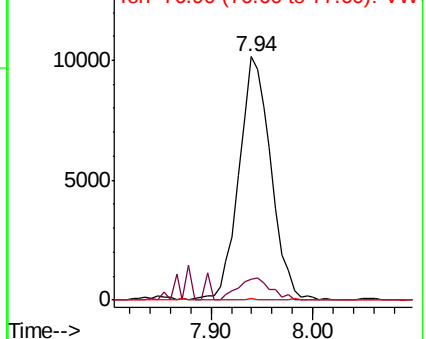
75 100

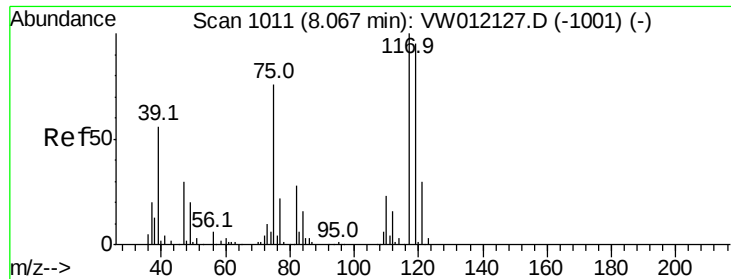
110 9.5 15.6 46.8#

77 0.1 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

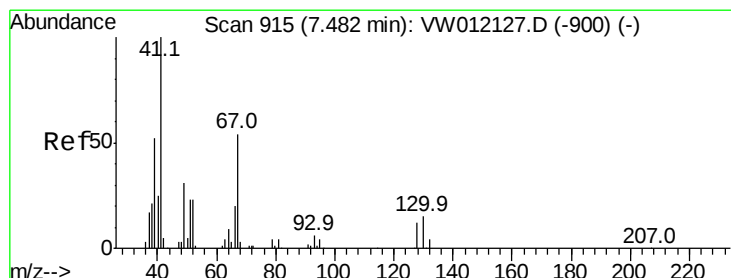
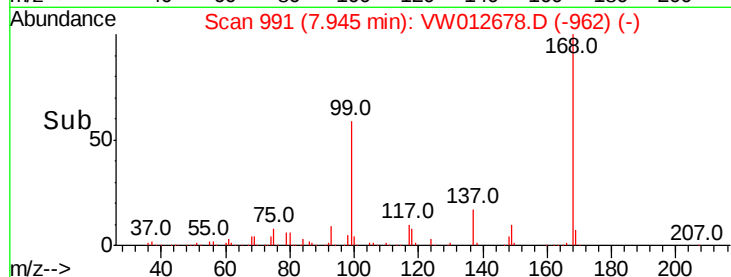
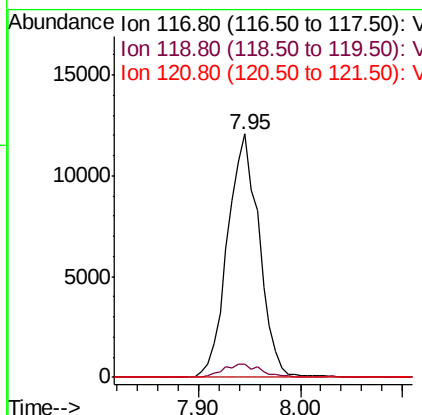
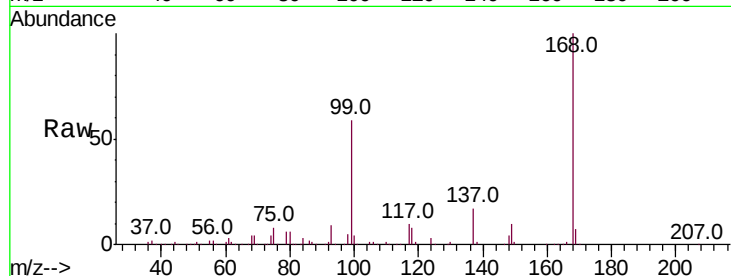




#38
Carbon Tetrachloride
Concen: 6.943 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

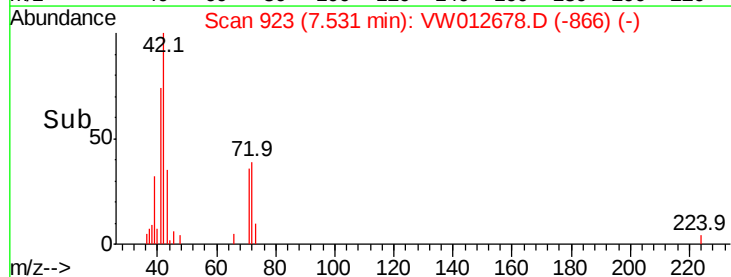
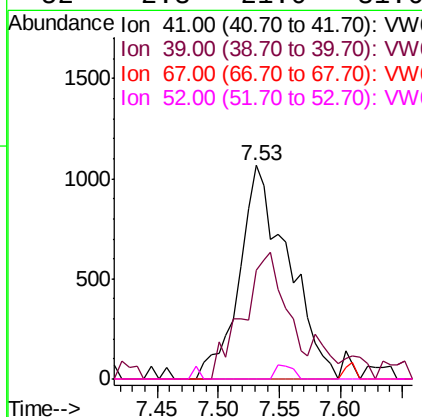
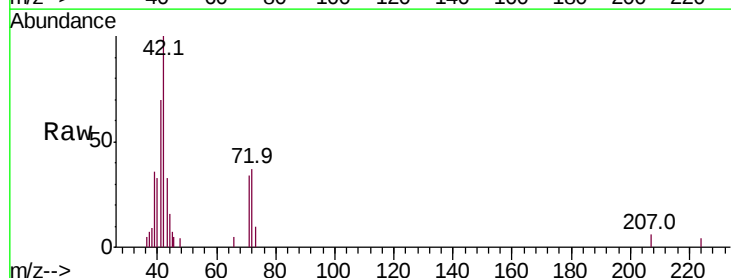
Instrument :
MSVOA_W
ClientSampleId :

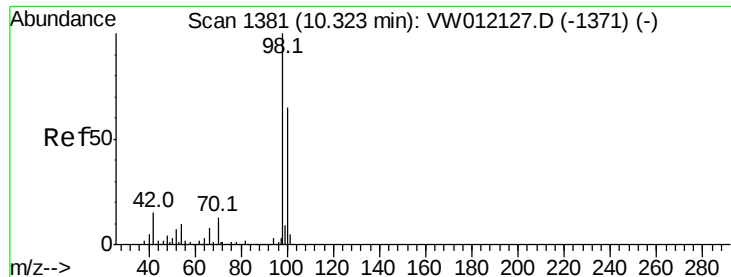
Tot Ion:117 Resp: 25883
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 2.130 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Tgt Ion: 41 Resp: 2954
Ion Ratio Lower Upper
41 100
39 53.4 45.8 68.8
67 0.0 46.2 69.4#
52 2.3 21.0 31.6#





#50

Toluene-d8

Concen: 48.573 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012678.D

Acq: 06 Sep 2019 08:14

Instrument :

MSVOA_W

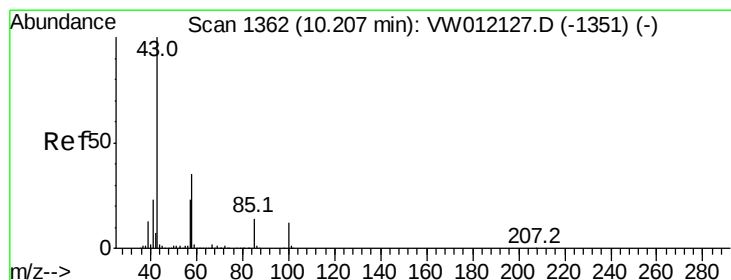
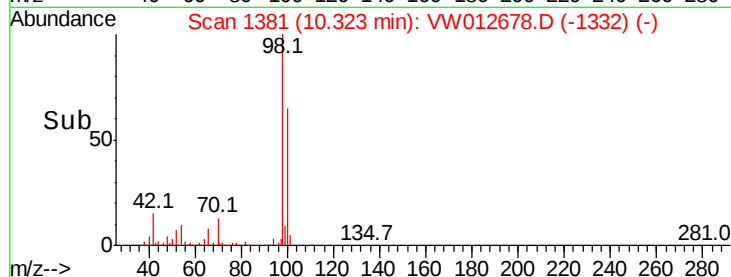
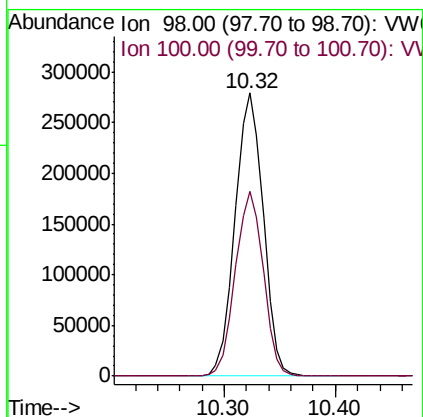
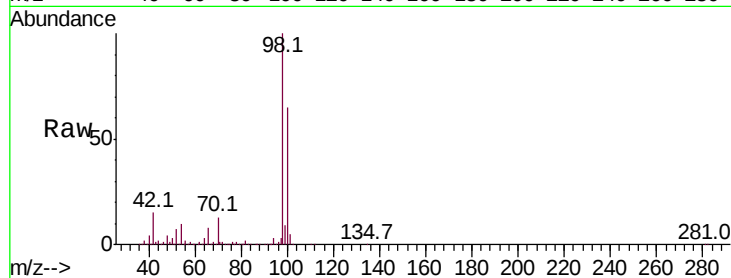
ClientSampled :

Tot Ion: 98 Resp: 489972

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.362 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012678.D

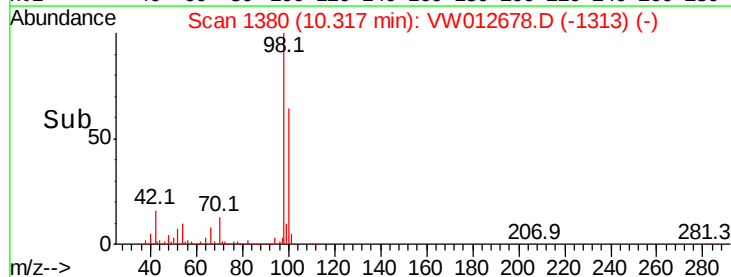
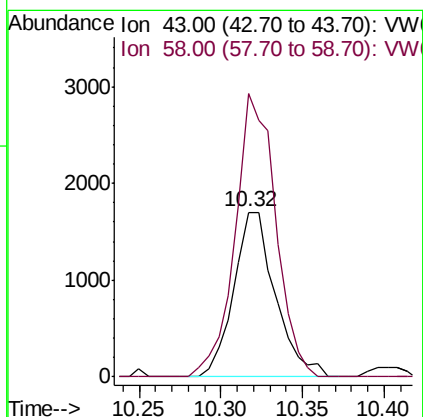
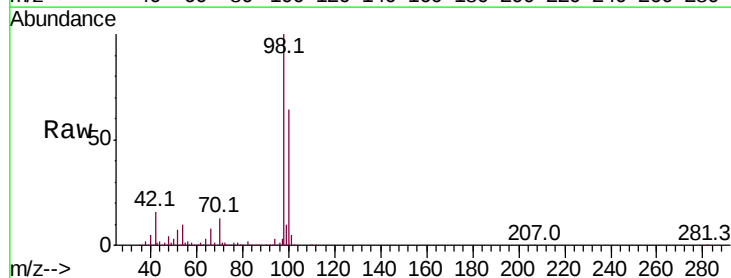
Acq: 06 Sep 2019 08:14

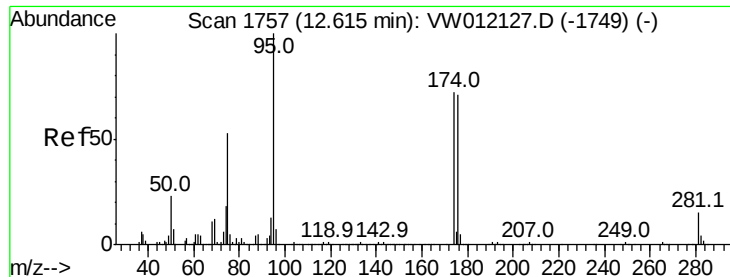
Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

58 167.3 28.2 42.2#

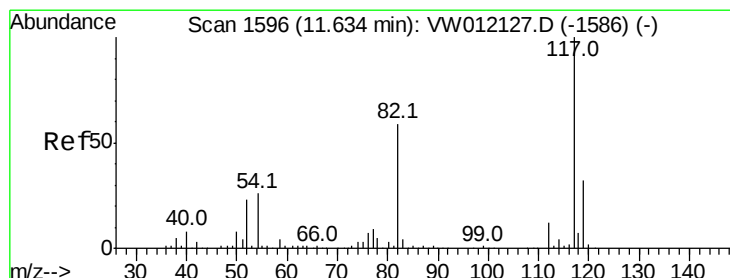
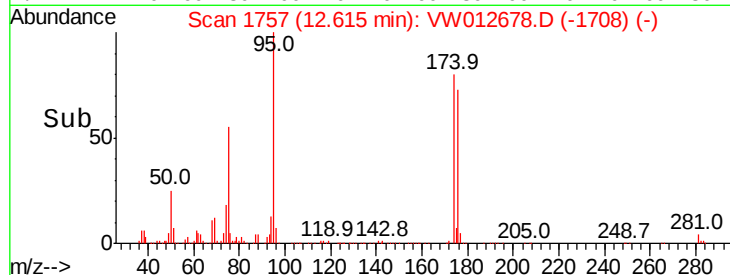
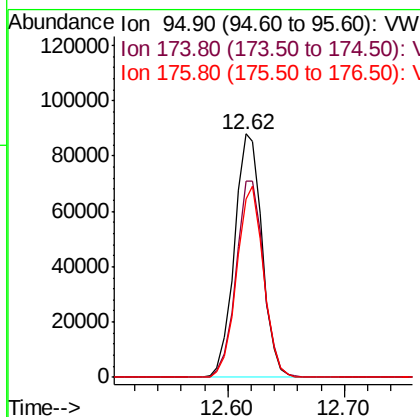
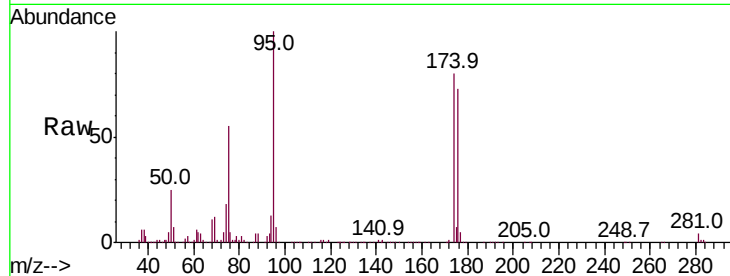




#62
4-Bromofluorobenzene
Concen: 40.742 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

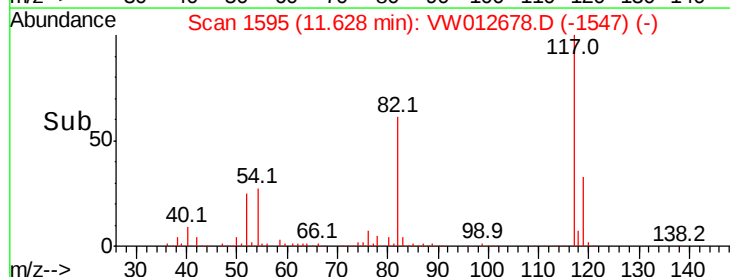
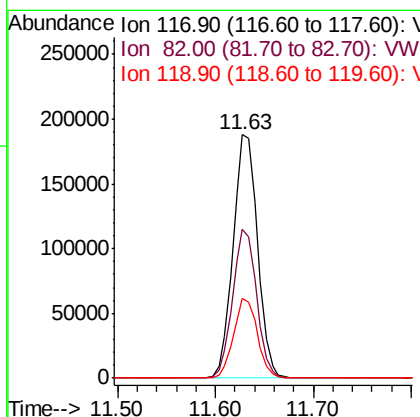
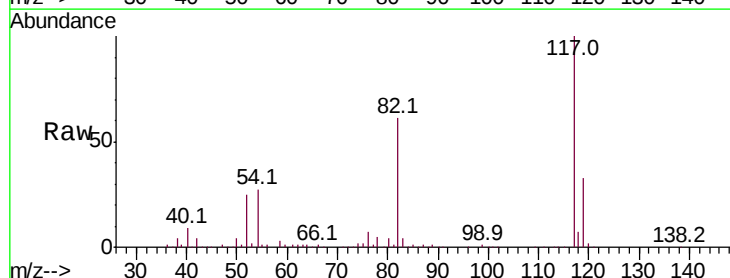
Instrument :
MSVOA_W
ClientSampleId :

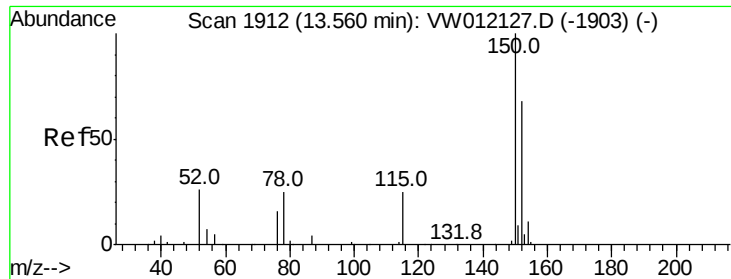
Tot Ion: 95 Resp: 144871
Ion Ratio Lower Upper
95 100
174 80.8 0.0 150.8
176 76.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Tgt Ion: 117 Resp: 326242
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 32.6 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: VW012678.D

Acq: 06 Sep 2019 08:14

Instrument :

MSVOA_W

ClientSampled :

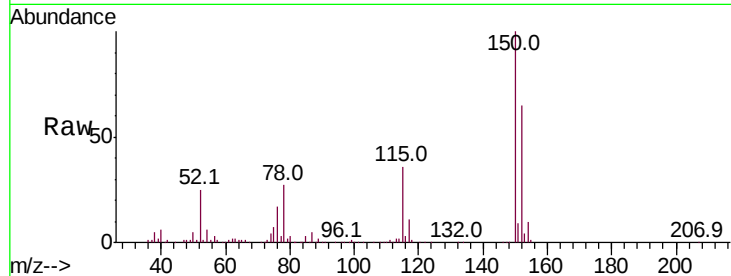
Tot Ion:152 Resp: 119640

Ion Ratio Lower Upper

152 100

115 58.5 30.1 90.3

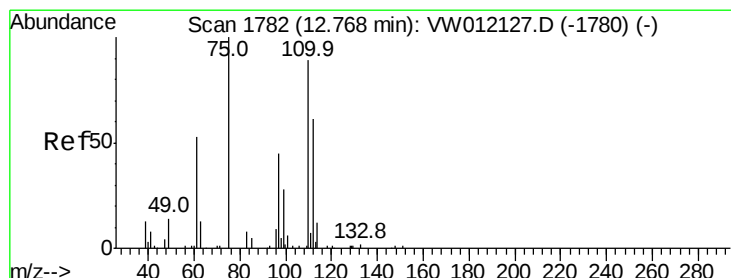
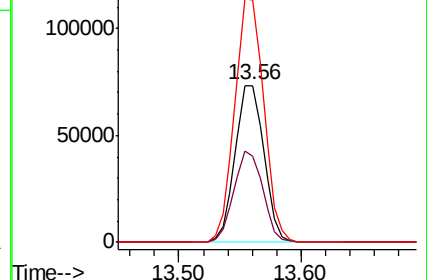
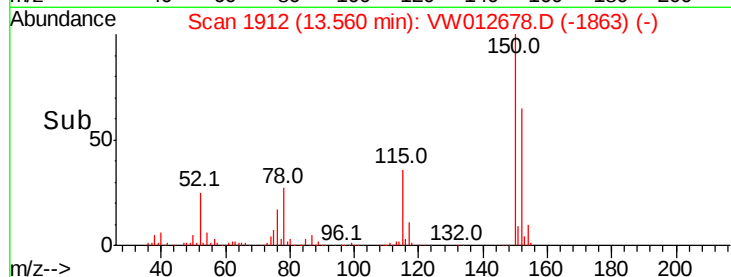
150 156.6 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012678.D

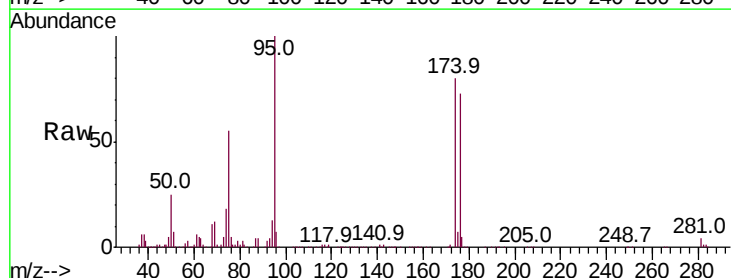
Acq: 06 Sep 2019 08:14

Tgt Ion: 75 Resp: 77762

Ion Ratio Lower Upper

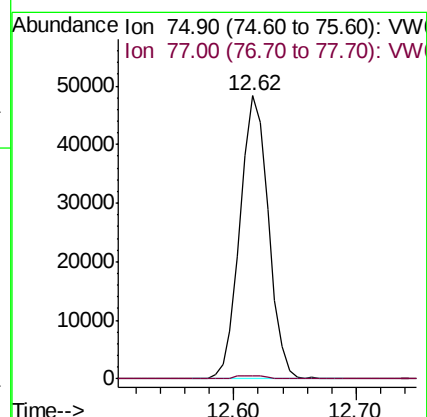
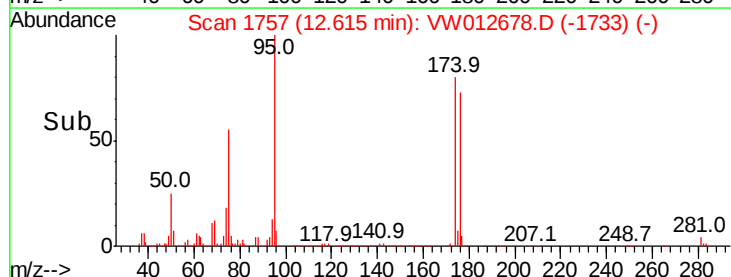
75 100

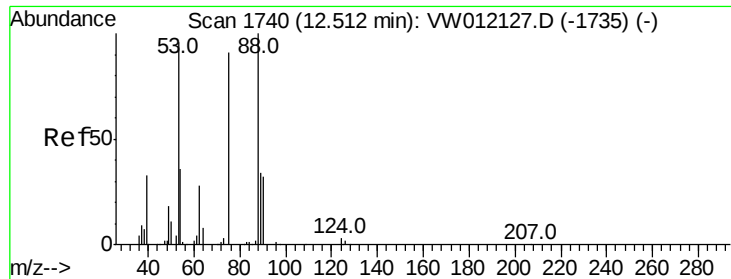
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

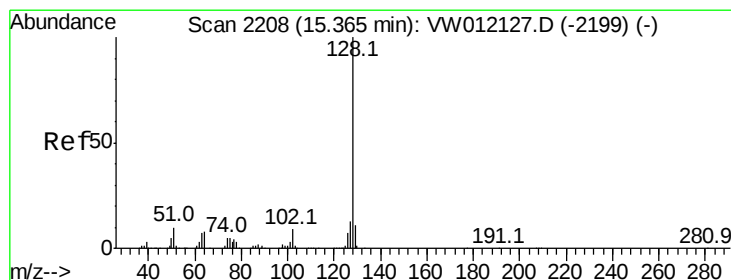
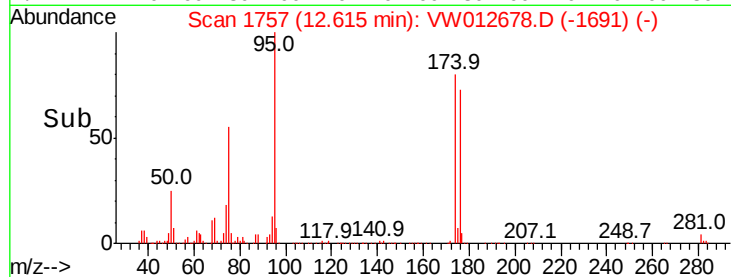
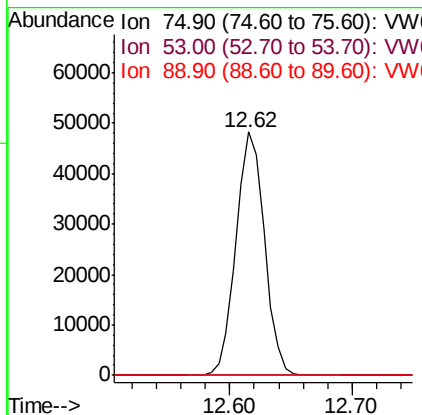
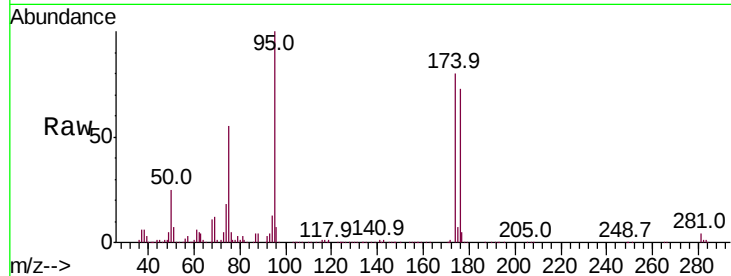




#81
trans-1,4-Dichloro-2-butene
Concen: 146.322 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 77762
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.325 ug/l
RT: 15.35 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VW012678.D
Acq: 06 Sep 2019 08:14

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

