

Data File : VW012700.D
Acq On : 06 Sep 2019 19:58
Operator : SY/VA
Sample : K4581-13
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(0)

Quant Time: Sep 07 04:42:37 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	281523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164026	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.88	113	130087	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.32	98	499191	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.62	95	140139	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	

Target Compounds

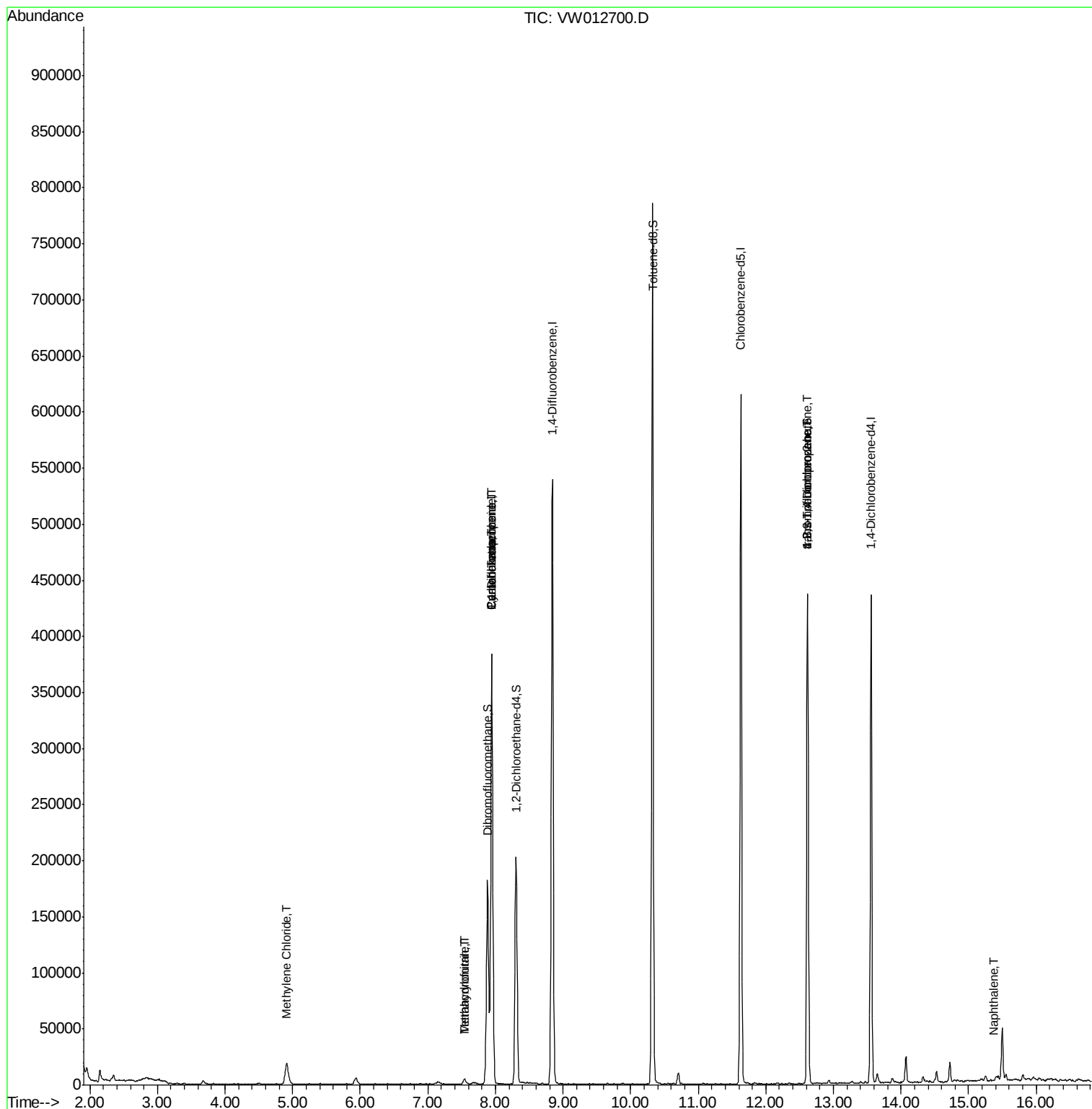
						Qvalue
20) Methylene Chloride	4.91	84	14239	4.403	ug/l #	84
29) Tetrahydrofuran	7.54	42	3794	5.440	ug/l #	86
31) Cyclohexane	7.95	56	6242	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22680	5.041	ug/l #	53
38) Carbon Tetrachloride	7.95	117	27113	6.963	ug/l #	16
41) Methacrylonitrile	7.54	41	2866	1.978	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	73786	68.187	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73786	149.502	ug/l #	6
95) Naphthalene	15.36	128	460	4.421	ug/l #	80

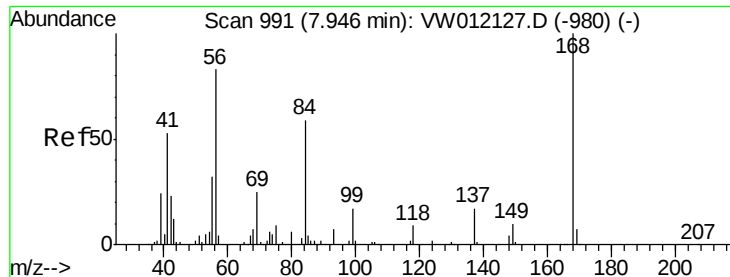
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012700.D

Acq: 06 Sep 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

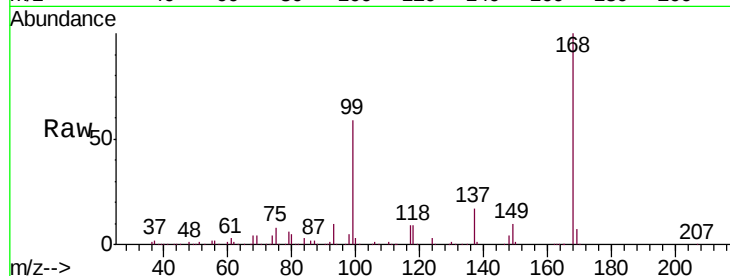
T12-D2-(0)

Tgt Ion:168 Resp: 281523

Ion Ratio Lower Upper

168 100

99 59.0 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

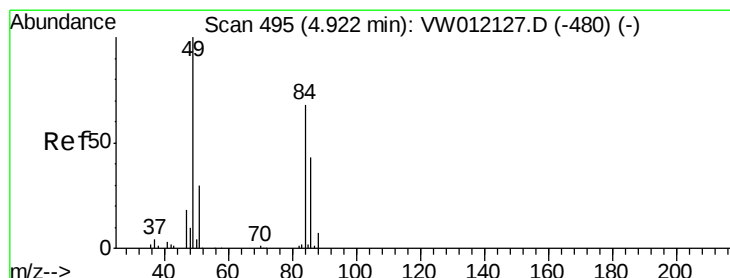
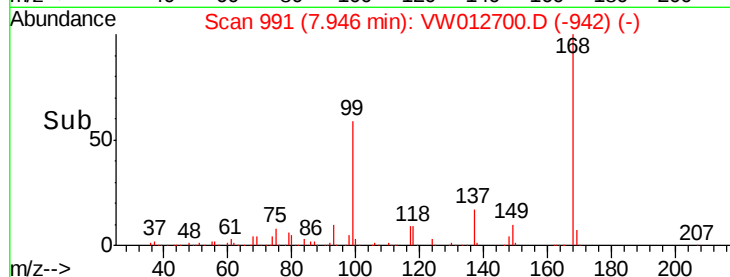
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 4.403 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

Tgt Ion: 84 Resp: 14239

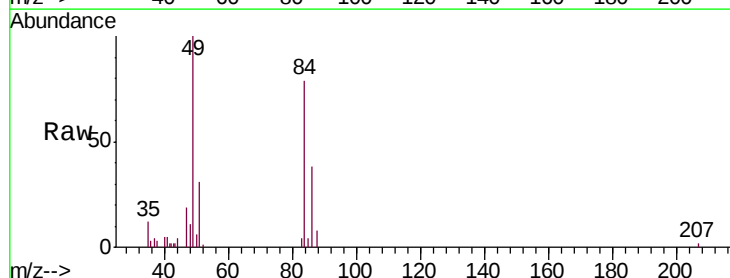
Ion Ratio Lower Upper

84 100

49 126.4 117.8 176.8

51 39.3 35.6 53.4

86 48.2 51.2 76.8#



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.91

8000

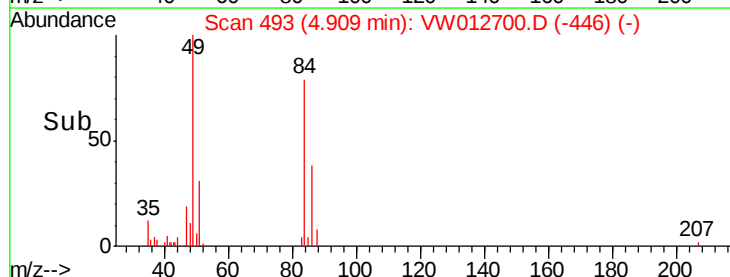
6000

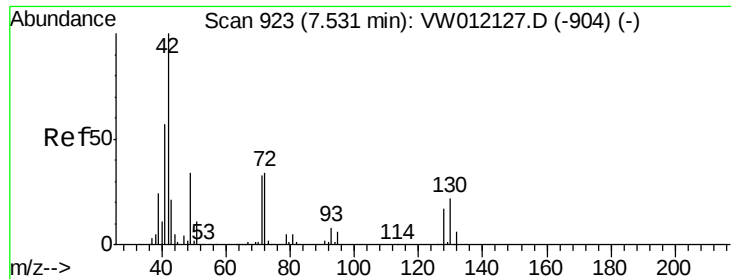
4000

2000

0

Time--> 4.80 4.90 5.00

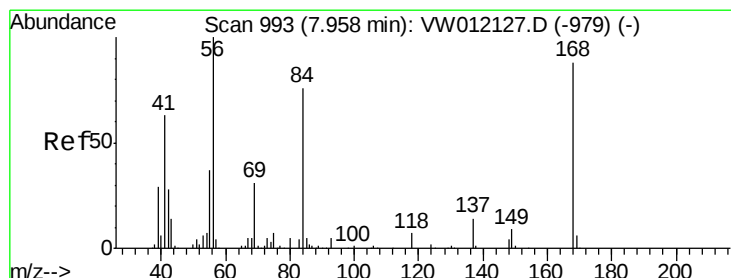
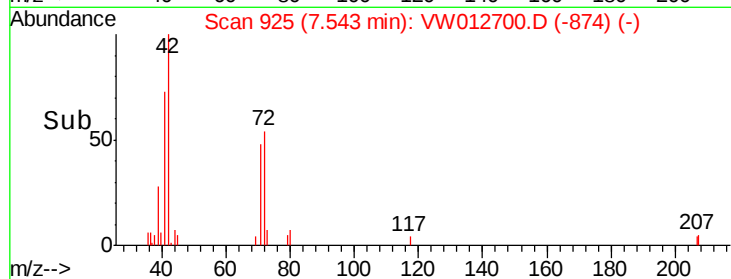
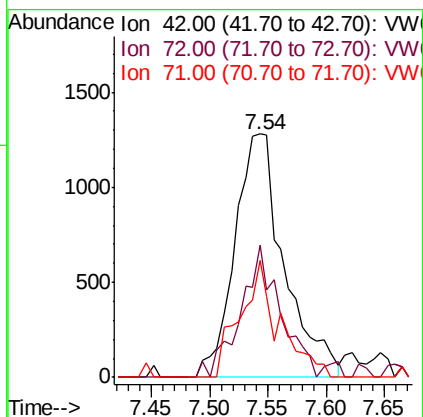
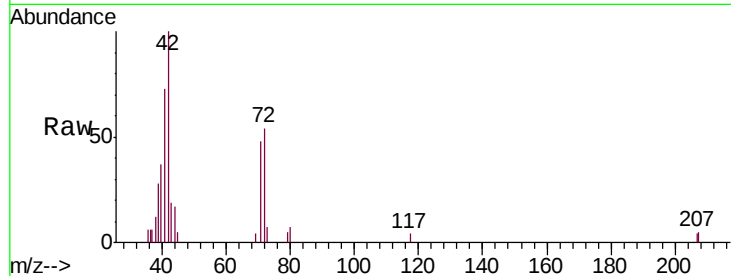




#29
Tetrahydrofuran
Concen: 5.440 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012700.D
Acq: 06 Sep 2019 19:58

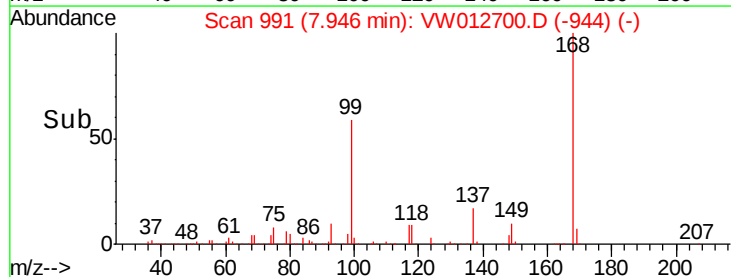
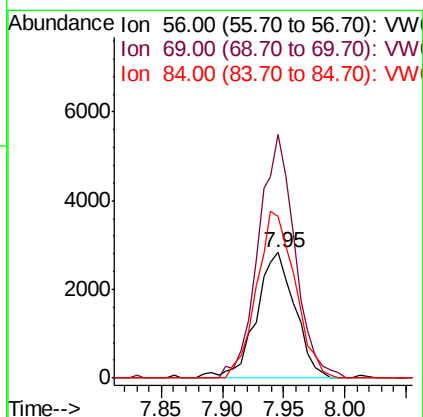
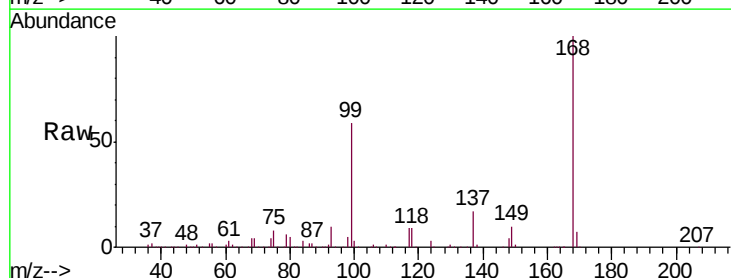
Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(0)

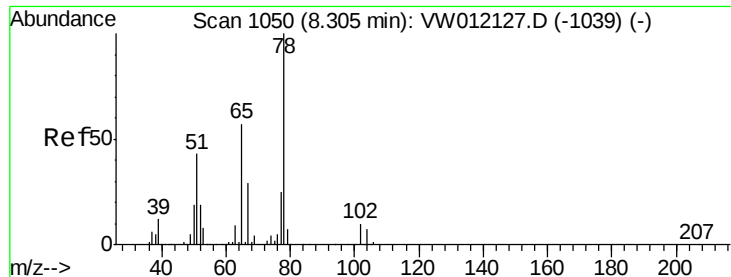
Tgt Ion: 42 Resp: 3794
Ion Ratio Lower Upper
42 100
72 43.5 27.3 40.9#
71 37.9 25.5 38.3



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012700.D
Acq: 06 Sep 2019 19:58

Tgt Ion: 56 Resp: 6242
Ion Ratio Lower Upper
56 100
69 194.1 24.9 37.3#
84 128.9 60.6 90.8#

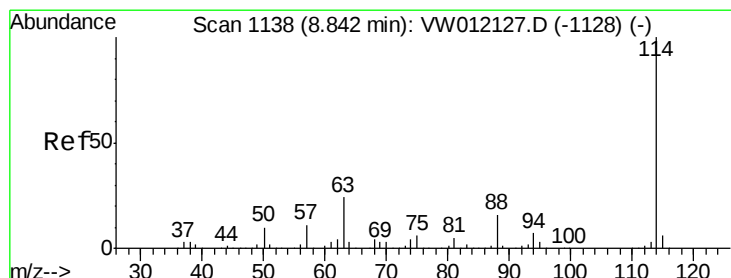
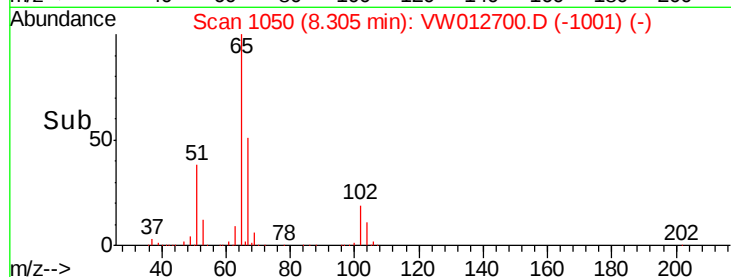
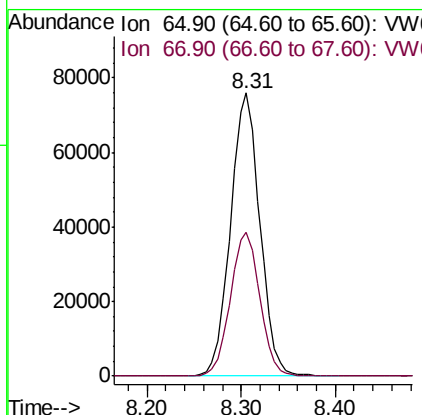
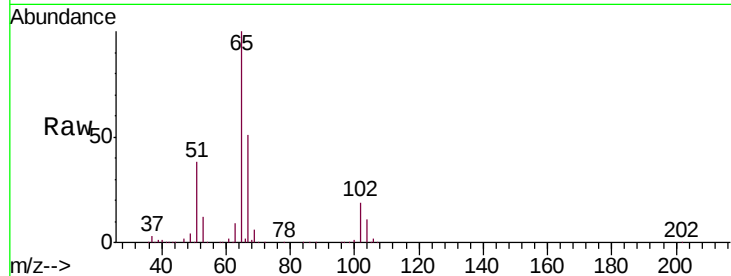




#33
 1,2-Dichloroethane-d4
 Concen: 49.012 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012700.D
 Acq: 06 Sep 2019 19:58

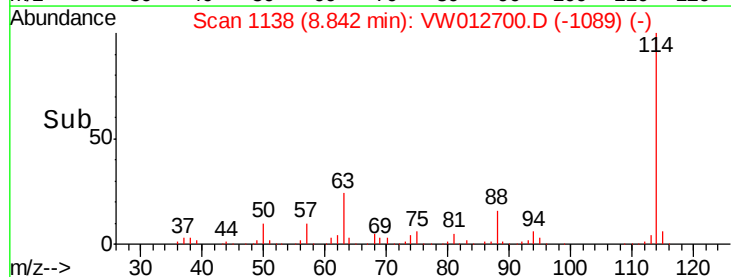
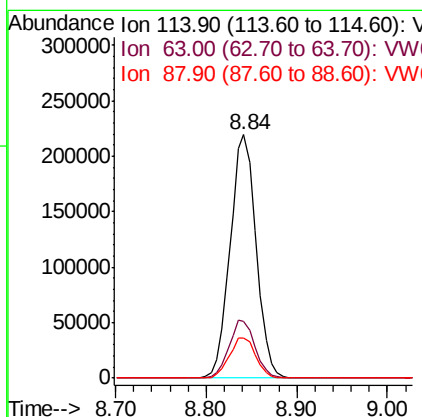
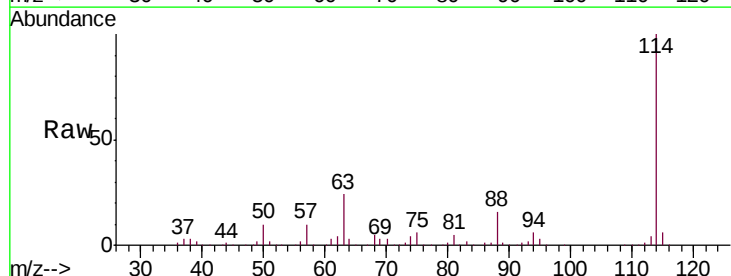
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D2-(0)

Tgt Ion: 65 Resp: 164026
 Ion Ratio Lower Upper
 65 100
 67 51.0 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: VW012700.D
 Acq: 06 Sep 2019 19:58

Tgt Ion: 114 Resp: 435345
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.061 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

T12-D2-(0)

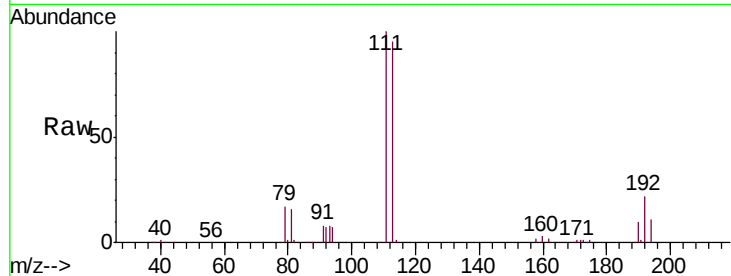
Tgt Ion:113 Resp: 130087

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

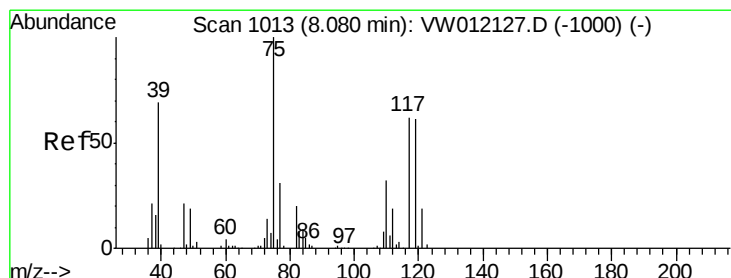
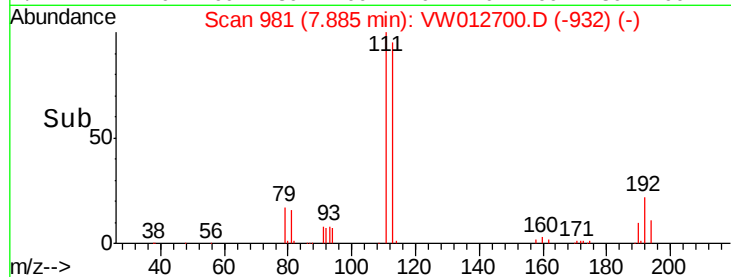
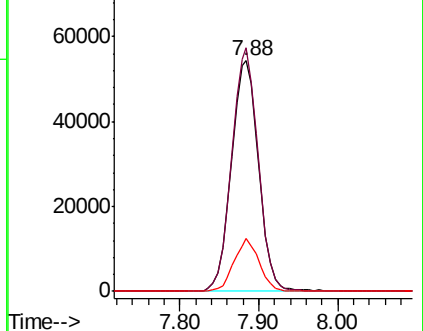
192 21.1 16.2 24.2



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: 5.041 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

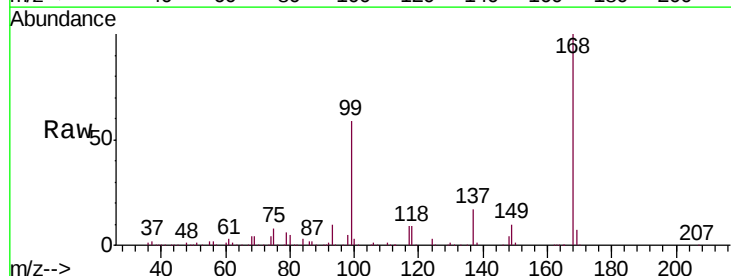
Tgt Ion: 75 Resp: 22680

Ion Ratio Lower Upper

75 100

110 10.2 15.6 46.8#

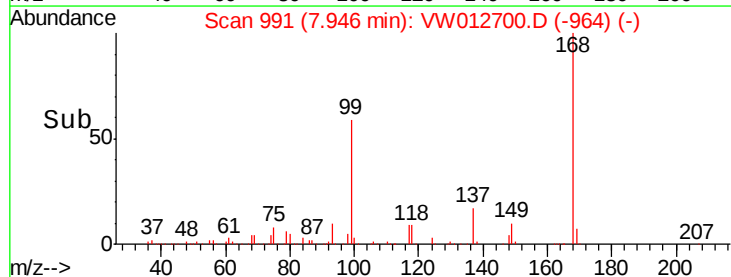
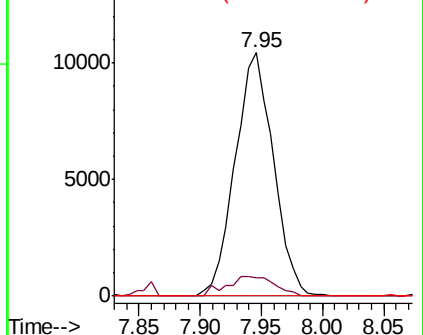
77 0.0 24.6 36.8#

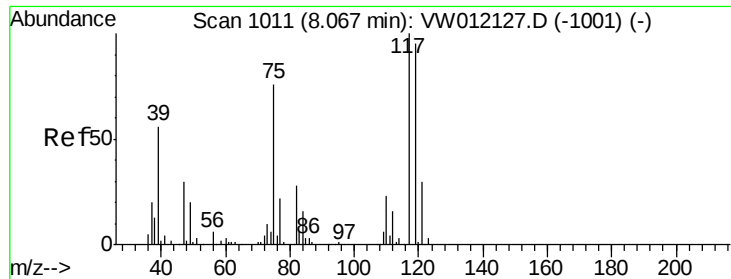


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.963 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

T12-D2-(0)

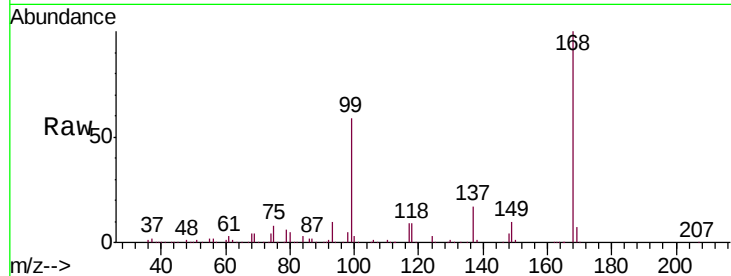
Tgt Ion:117 Resp: 27113

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

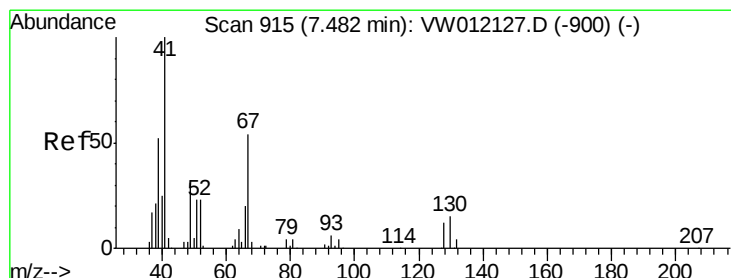
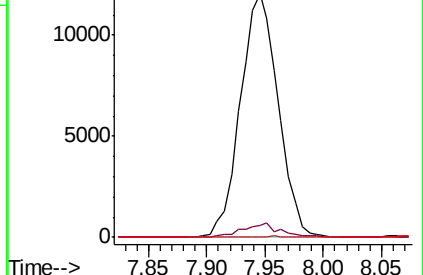
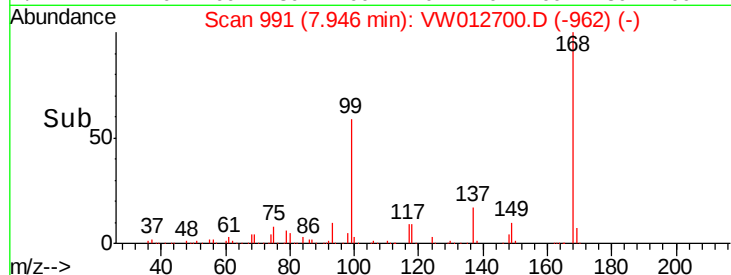
121 0.0 23.8 35.8#



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: 1.978 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

Tgt Ion: 41 Resp: 2866

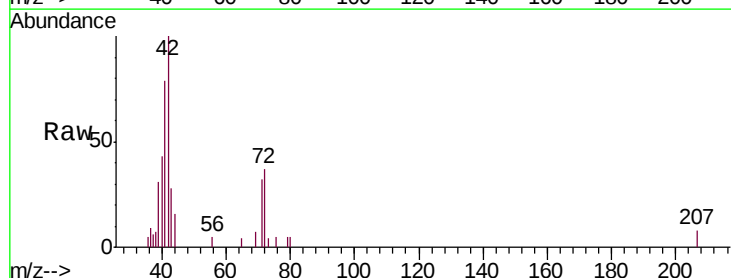
Ion Ratio Lower Upper

41 100

39 46.3 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

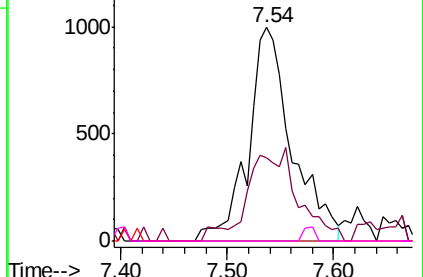
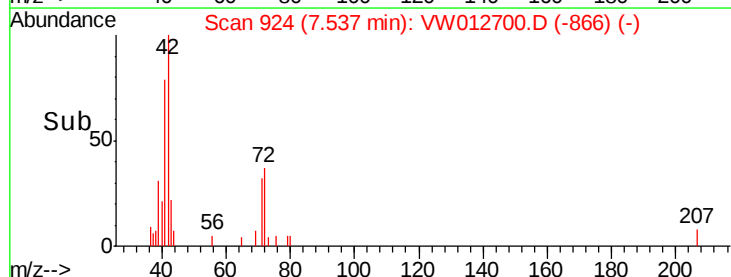


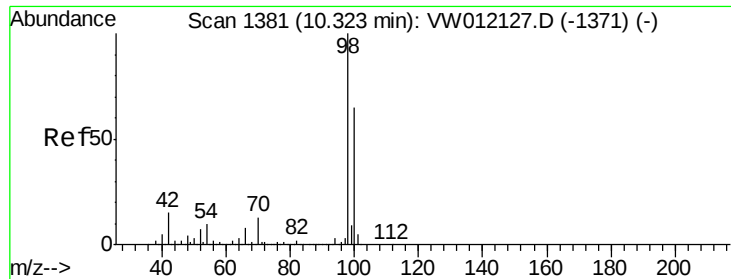
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 47.377 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

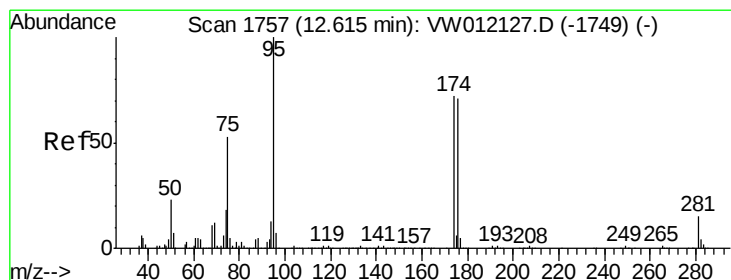
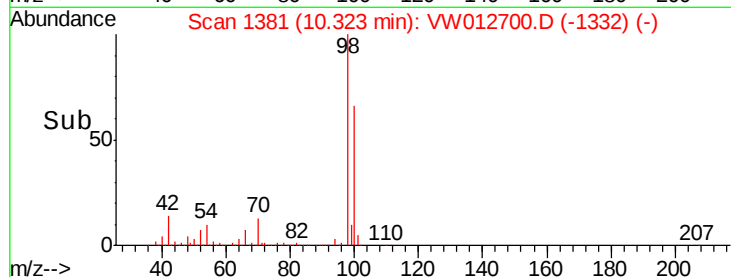
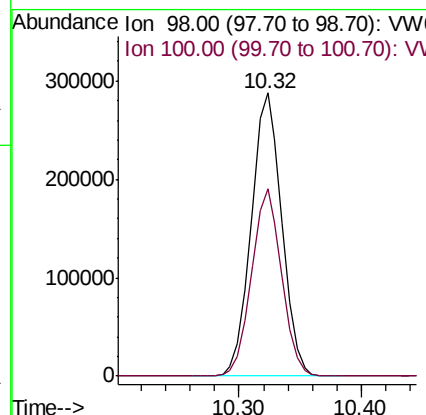
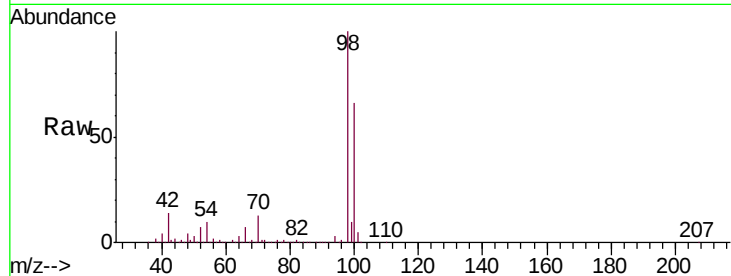
T12-D2-(0)

Tgt Ion: 98 Resp: 499191

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 37.731 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012700.D

Acq: 06 Sep 2019 19:58

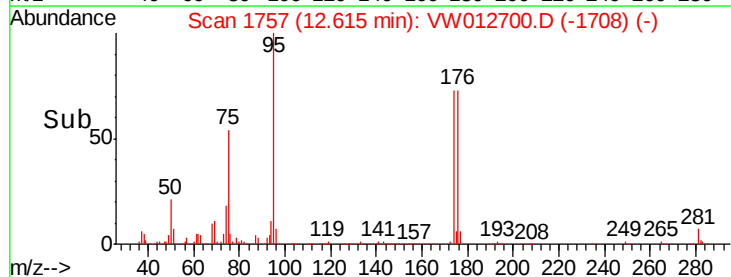
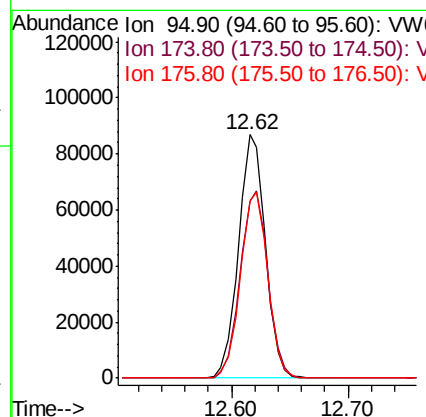
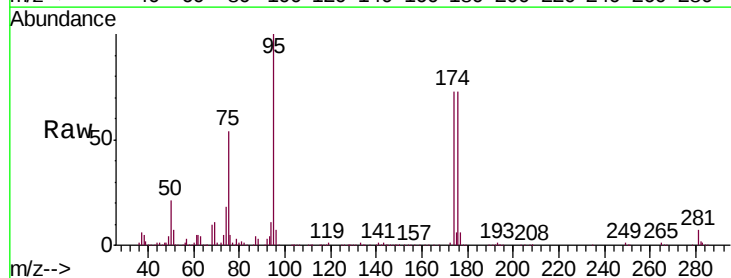
Tgt Ion: 95 Resp: 140139

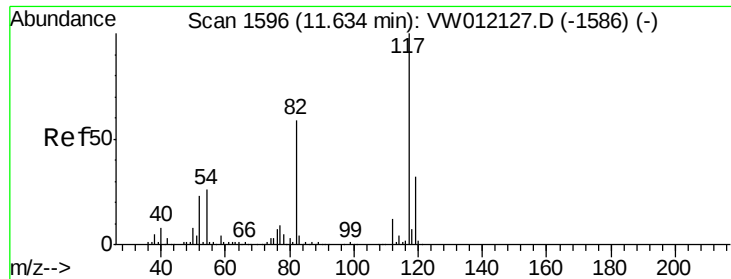
Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

176 77.5 0.0 148.6

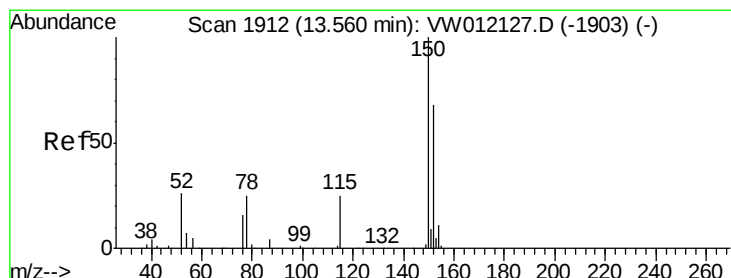
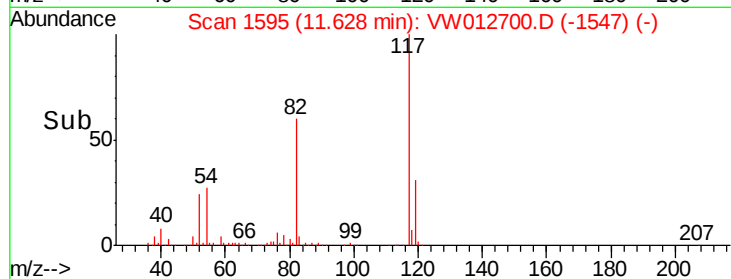
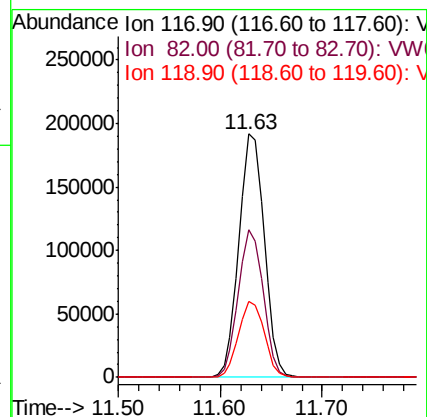
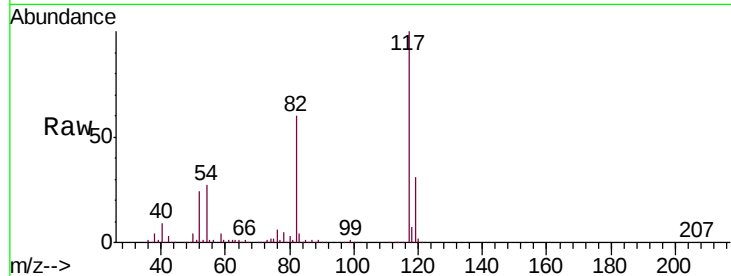




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012700.D
Acq: 06 Sep 2019 19:58

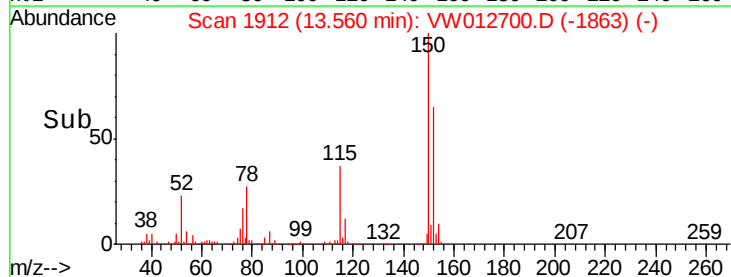
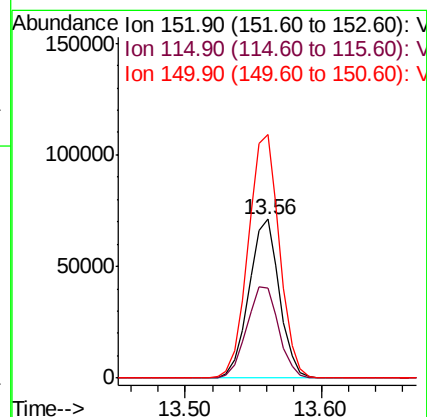
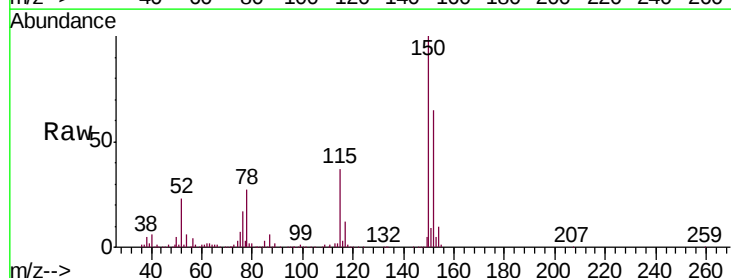
Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(0)

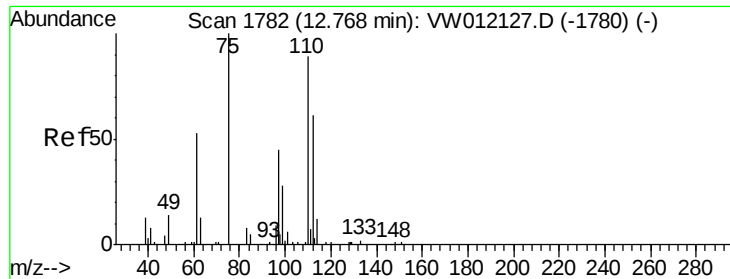
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.4	71.2
119	31.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012700.D
Acq: 06 Sep 2019 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	157.8	0.0	345.8

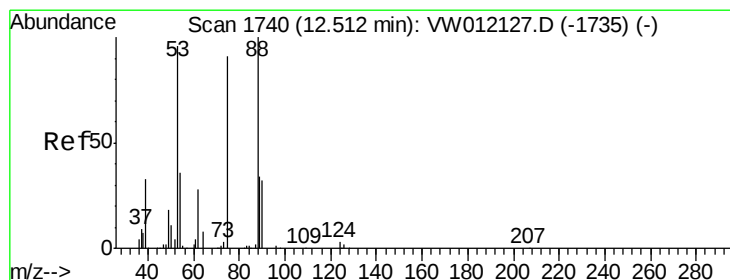
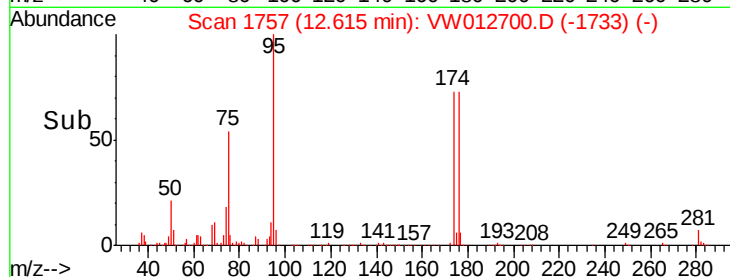
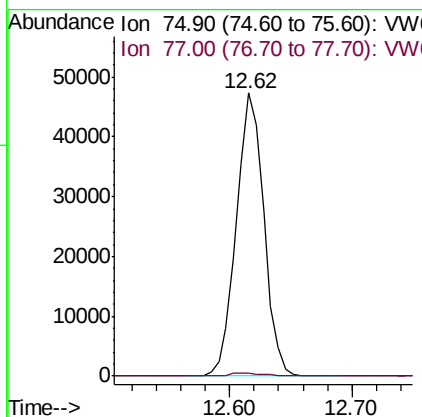
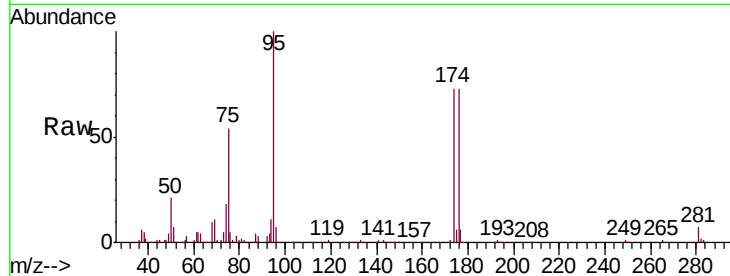




#76
 1,2,3-Trichloropropane
 Concen: 68.187 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012700.D
 Acq: 06 Sep 2019 19:58

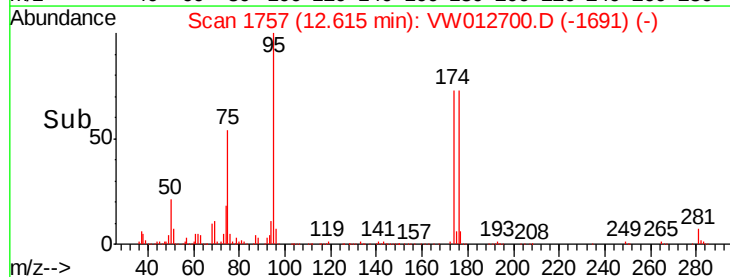
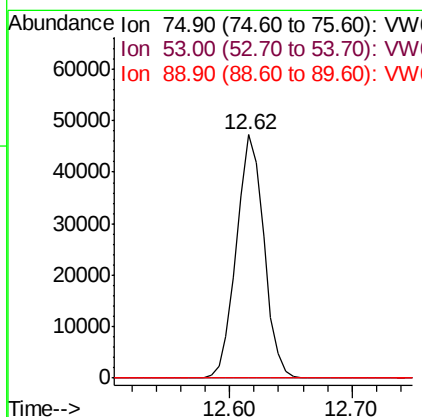
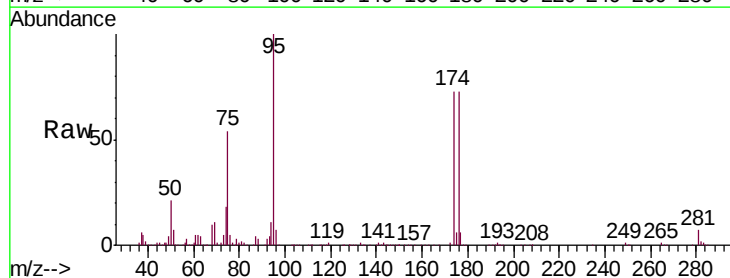
Instrument :
 MSVOA_W
 ClientSampled :
 T12-D2-(0)

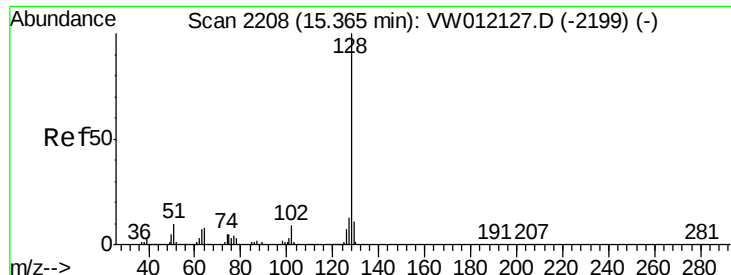
Tgt Ion: 75 Resp: 73786
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.502 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012700.D
 Acq: 06 Sep 2019 19:58

Tgt Ion: 75 Resp: 73786
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.0 34.5 51.7#

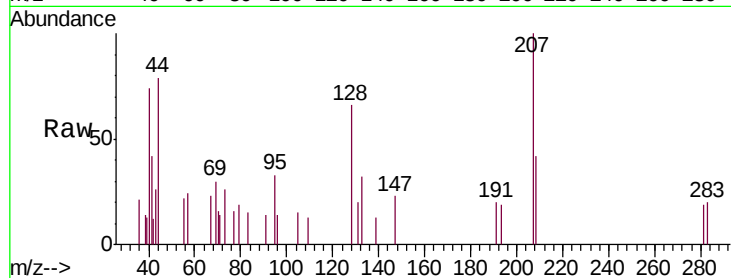




#95
Naphthalene
Concen: 4.421 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012700.D
Acq: 06 Sep 2019 19:58

Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.7	16.1#
129	4.8	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

