

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012331.D
 Acq On : 30 Aug 2019 04:33
 Operator : SY/VA
 Sample : K4569-01
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-39-6.5-7.0

Quant Time: Aug 30 06:56:04 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	227128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	371215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126603	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	137330	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
35) Dibromofluoromethane	7.88	113	111512	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
50) Toluene-d8	10.32	98	454074	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	143422	45.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.58%	

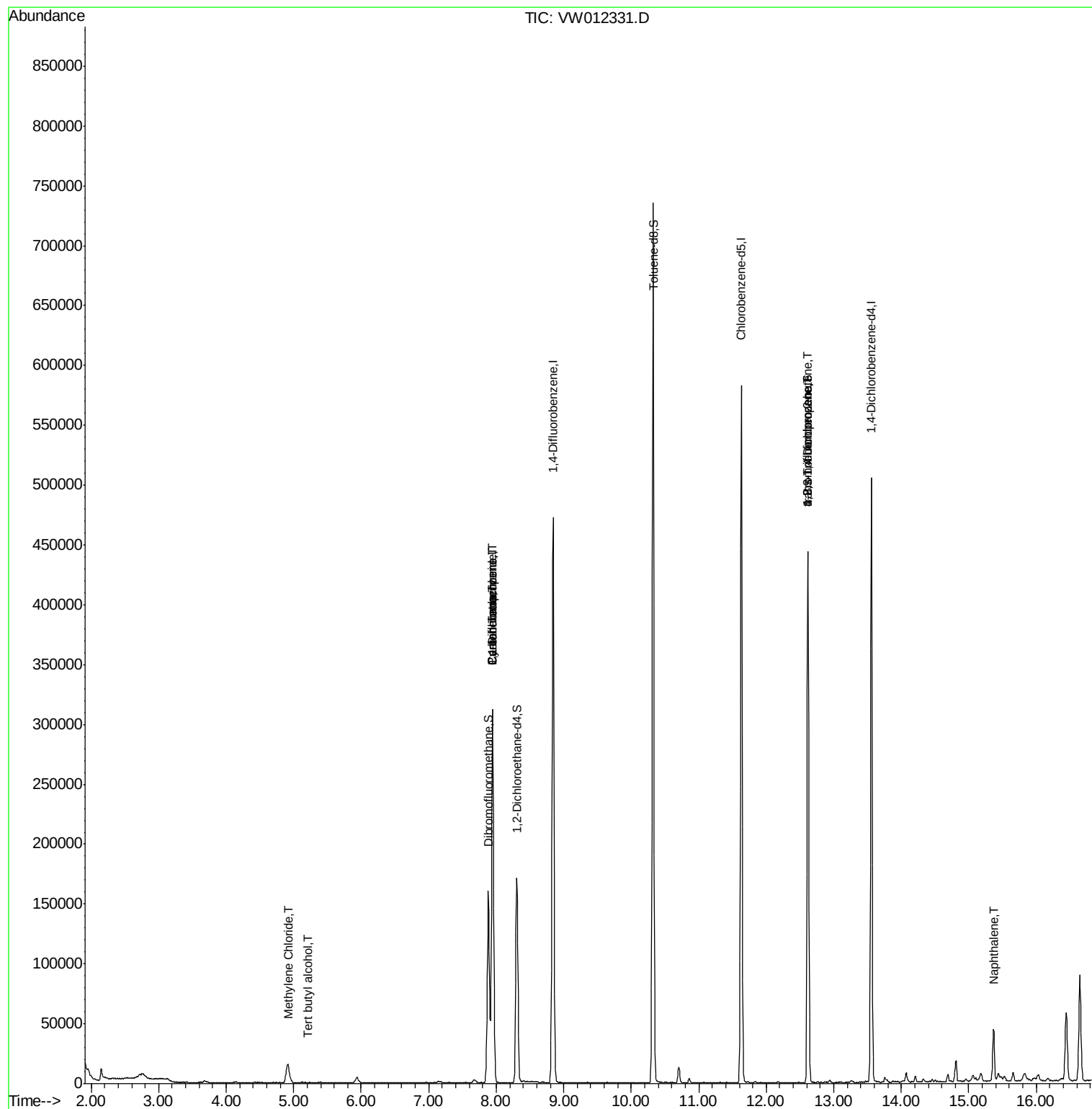
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	238	1.465	ug/l #	71
20) Methylene Chloride	4.91	84	11320	4.339	ug/l	89
31) Cyclohexane	7.94	56	5506	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19491	5.081	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22721	6.843	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77796	63.094	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77796	138.335	ug/l #	6
95) Naphthalene	15.36	128	35613	11.134	ug/l	100

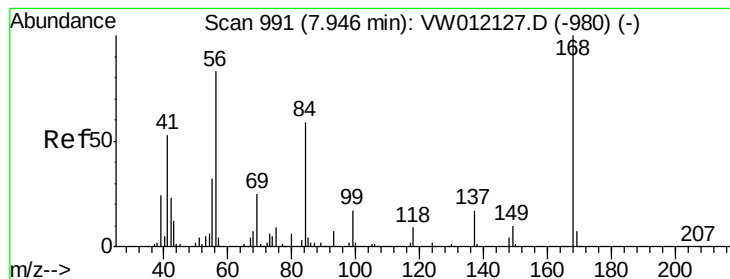
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012331.D

Acq: 30 Aug 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

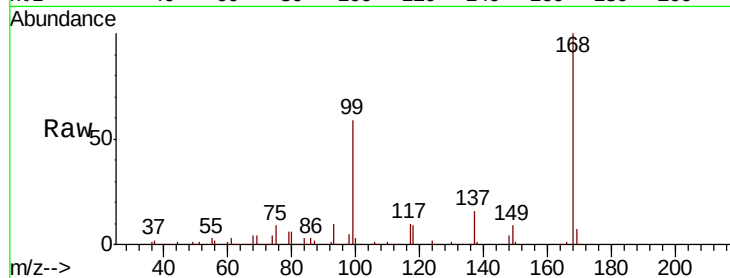
SB-39-6.5-7.0

Tgt Ion: 168 Resp: 227128

Ion Ratio Lower Upper

168 100

99 58.8 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

120000

100000

80000

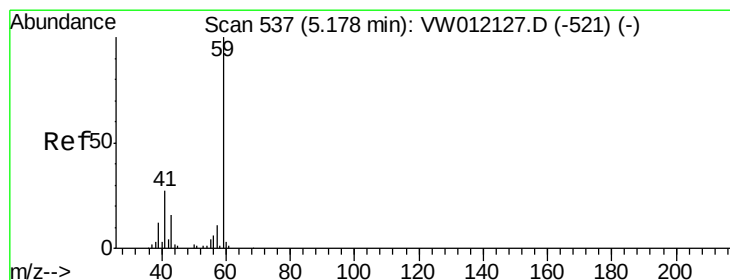
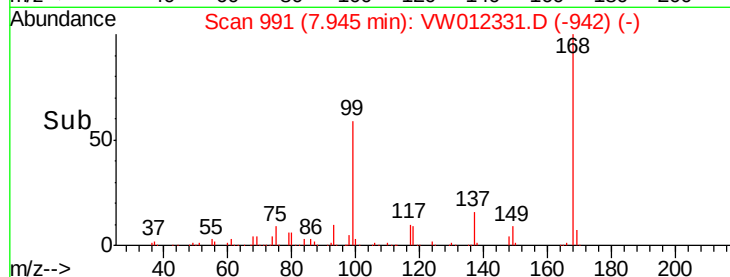
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.465 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW012331.D

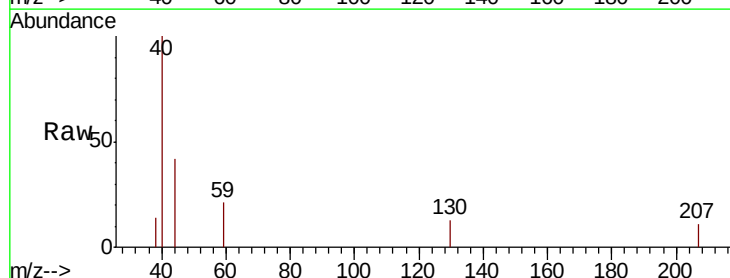
Acq: 30 Aug 2019 04:33

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

100

80

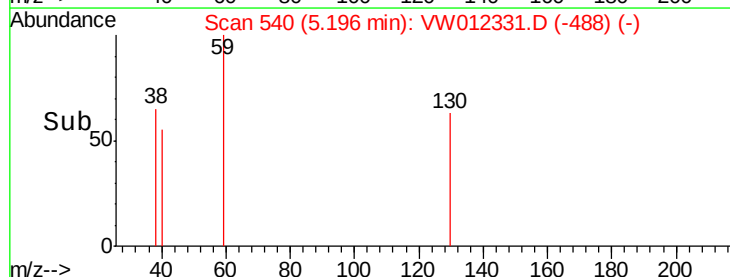
60

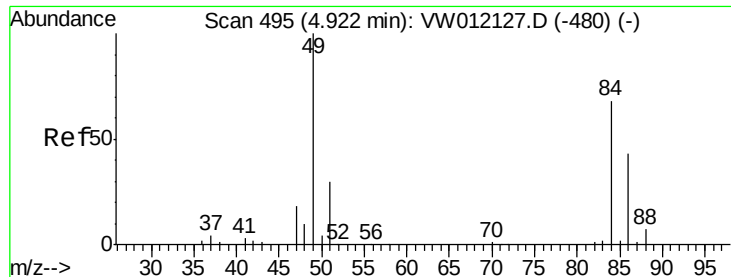
40

20

0

Time-->

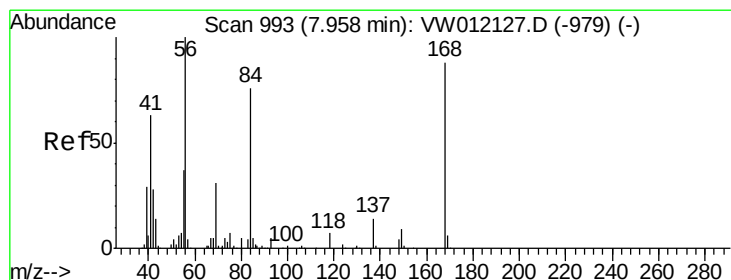
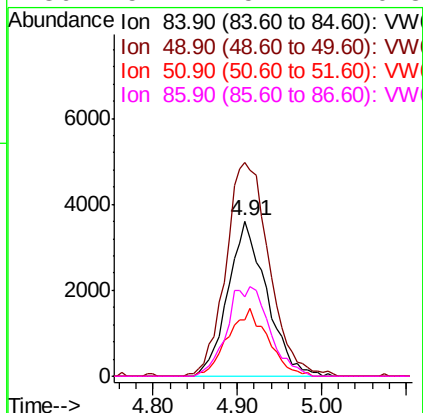
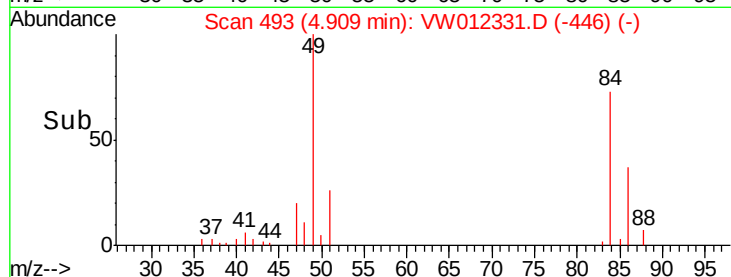
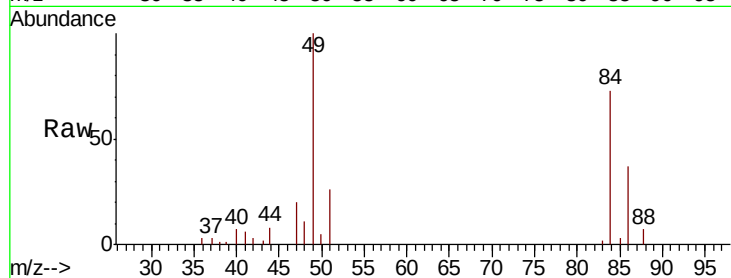




#20
Methylene Chloride
Concen: 4.339 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

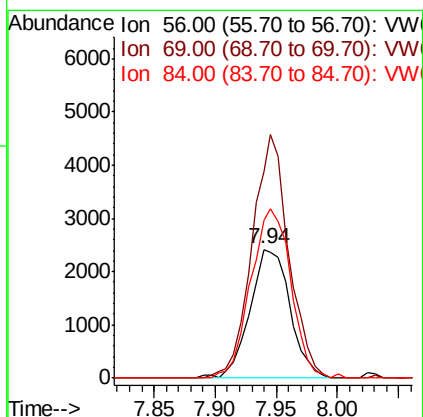
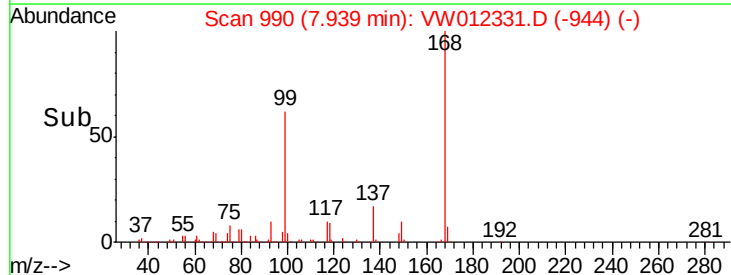
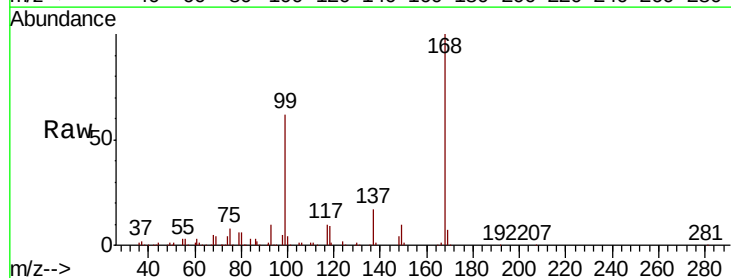
Instrument :
MSVOA_W
ClientSampleId :
SB-39-6.5-7.0

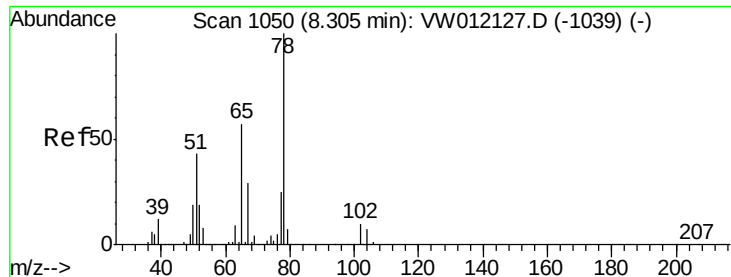
Tgt Ion:	84	Resp:	11320
Ion	Ratio	Lower	Upper
84	100		
49	137.8	117.8	176.8
51	36.4	35.6	53.4
86	51.4	51.2	76.8



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

Tgt Ion:	56	Resp:	5506
Ion	Ratio	Lower	Upper
56	100		
69	160.6	24.9	37.3#
84	122.8	60.6	90.8#

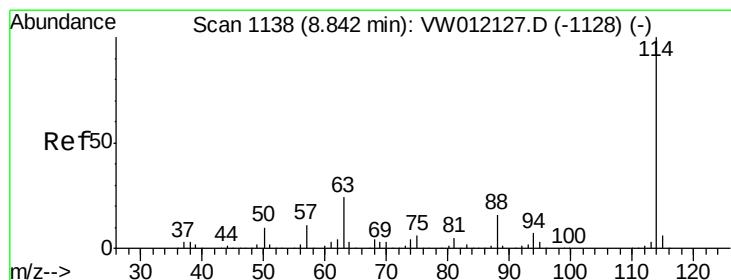
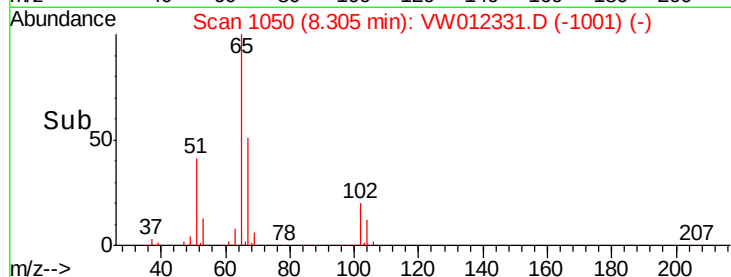
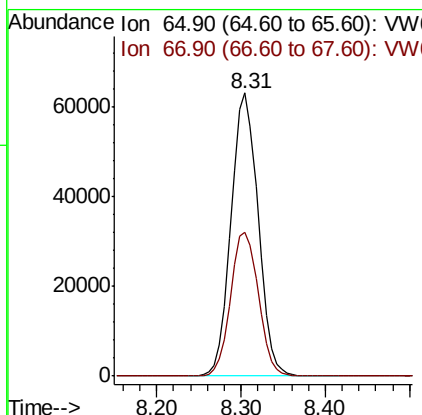
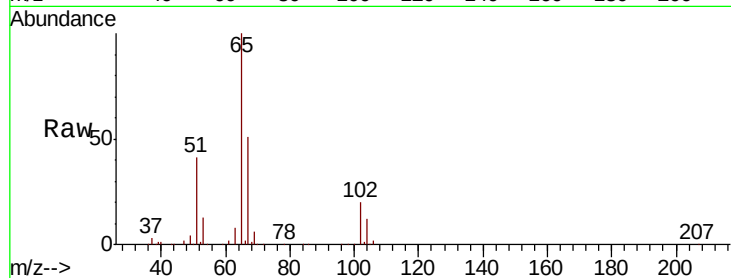




#33
 1,2-Dichloroethane-d4
 Concen: 50.863 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012331.D
 Acq: 30 Aug 2019 04:33

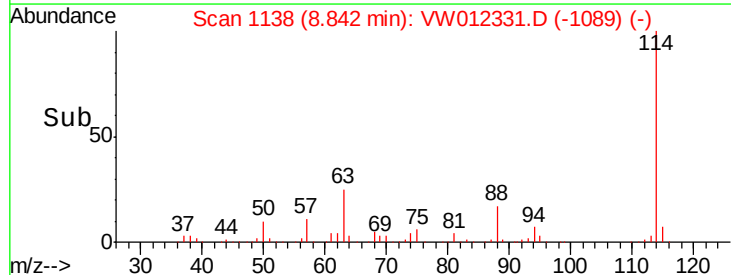
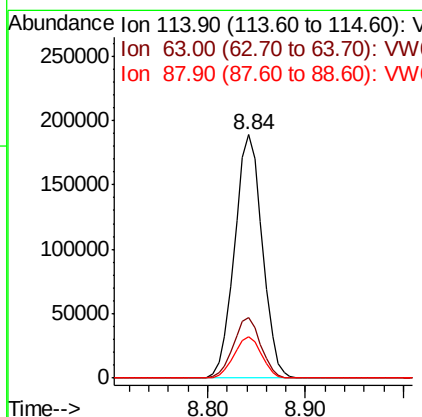
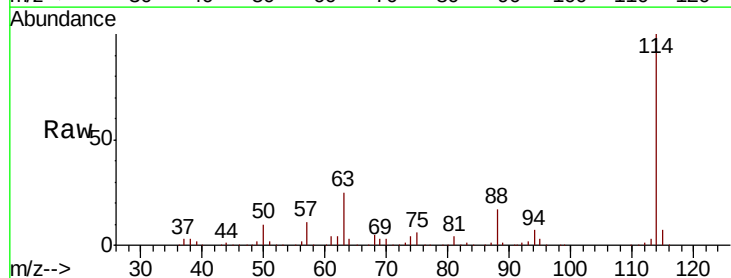
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-39-6.5-7.0

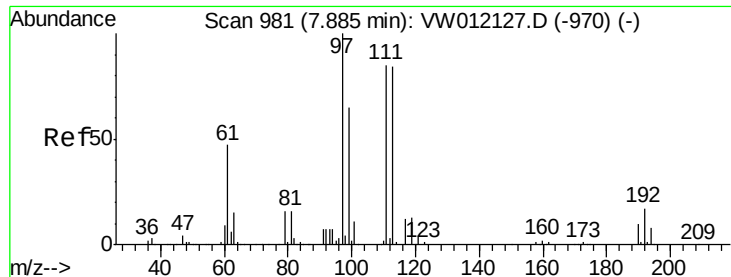
Tgt Ion: 65 Resp: 137330
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012331.D
 Acq: 30 Aug 2019 04:33

Tgt Ion: 114 Resp: 371215
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 17.1 0.0 32.2

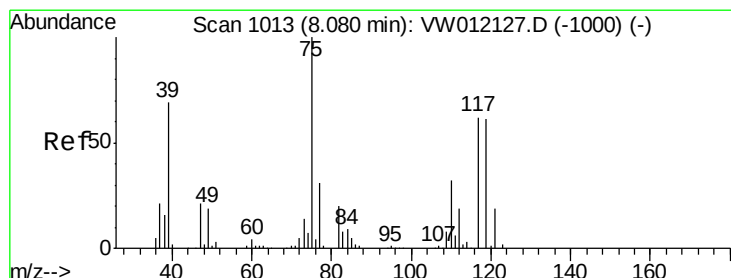
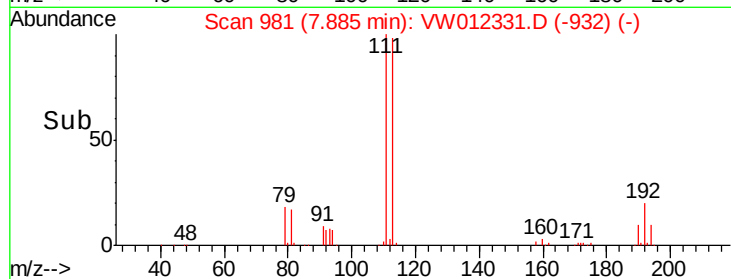
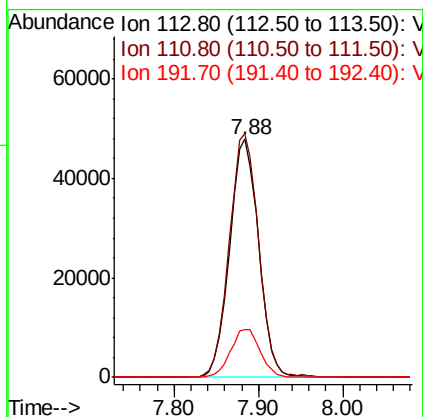
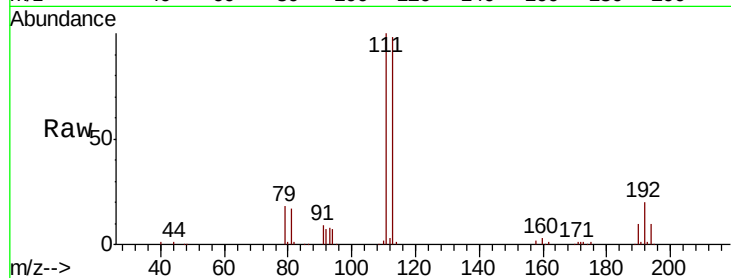




#35
 Dibromofluoromethane
 Concen: 50.326 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012331.D
 Acq: 30 Aug 2019 04:33

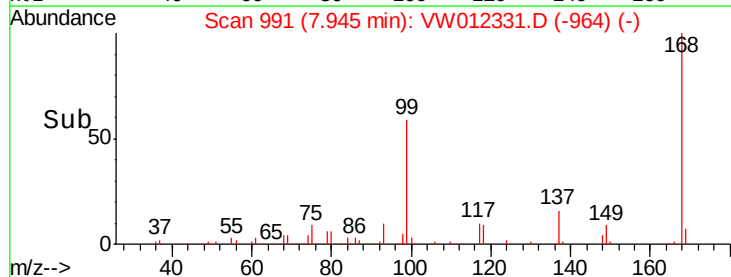
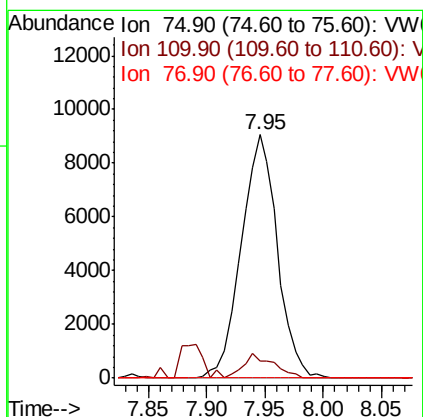
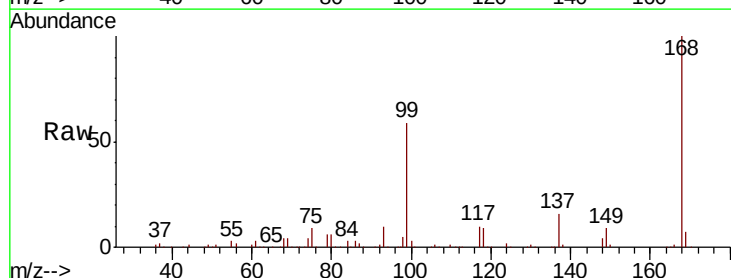
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-39-6.5-7.0

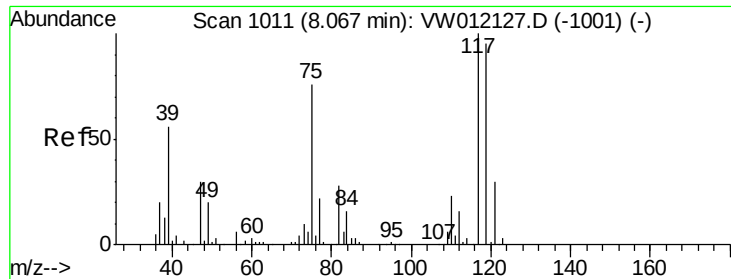
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	20.5	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012331.D
 Acq: 30 Aug 2019 04:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.0	24.6	36.8#

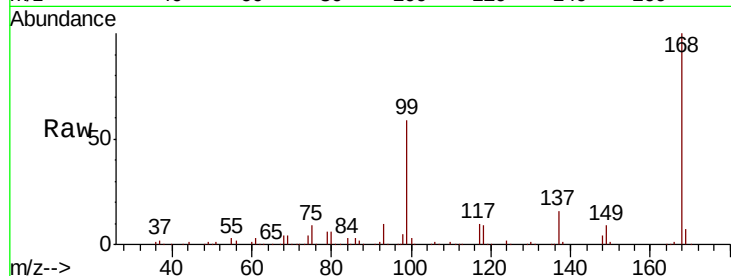




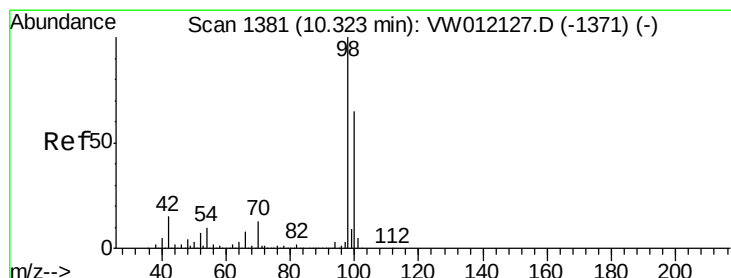
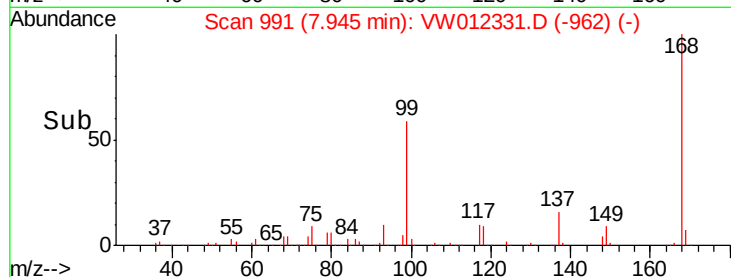
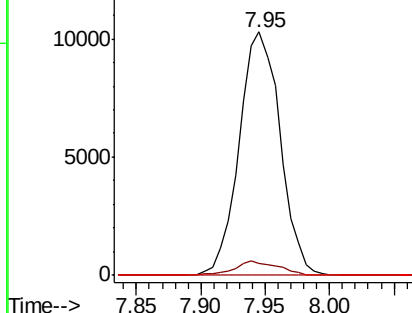
#38
Carbon Tetrachloride
Concen: 6.843 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

Instrument :
MSVOA_W
ClientSampled :
SB-39-6.5-7.0

Tgt Ion: 117 Resp: 22721
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 23.8 35.8#

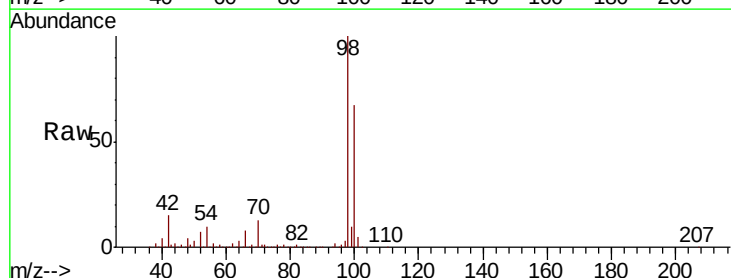


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

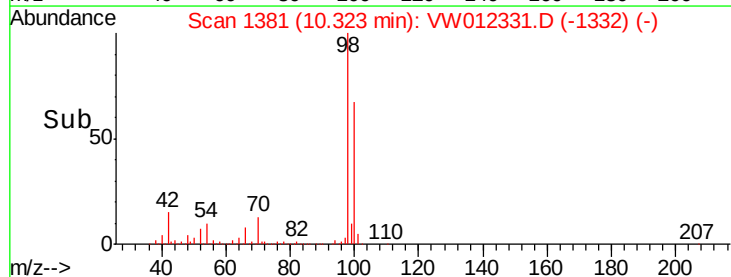
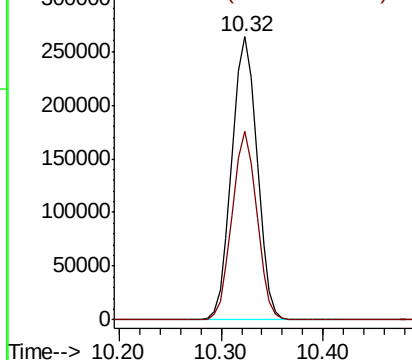


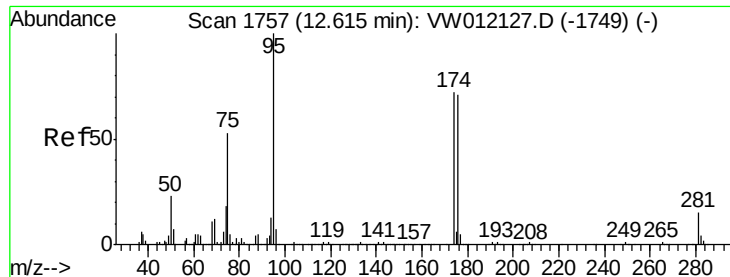
#50
Toluene-d8
Concen: 50.540 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

Tgt Ion: 98 Resp: 454074
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.287 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012331.D

Acq: 30 Aug 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

SB-39-6.5-7.0

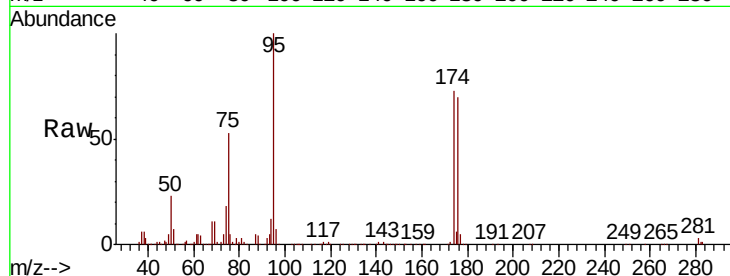
Tgt Ion: 95 Resp: 143422

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.8

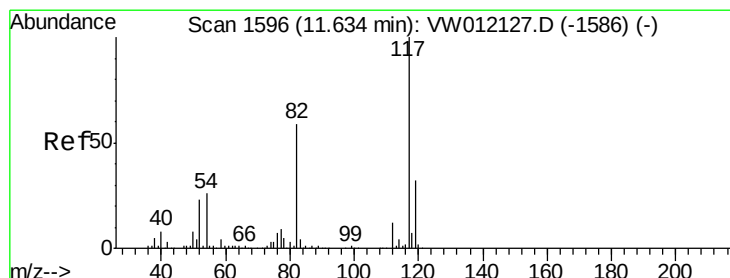
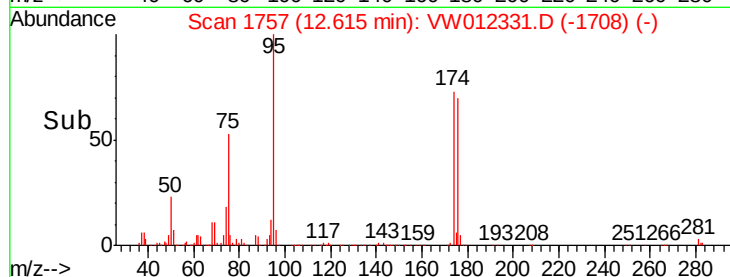
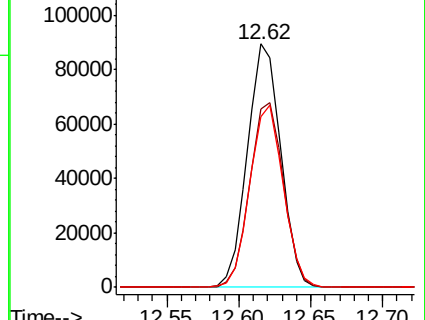
176 74.7 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012331.D

Acq: 30 Aug 2019 04:33

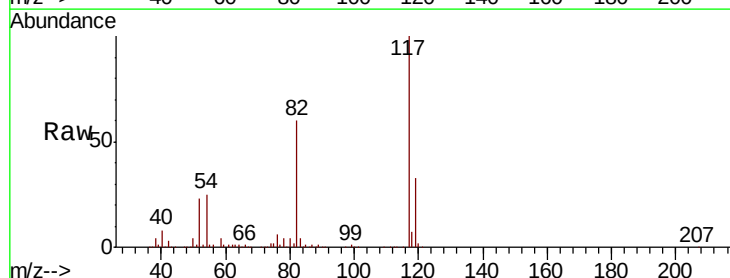
Tgt Ion: 117 Resp: 308874

Ion Ratio Lower Upper

117 100

82 60.2 47.4 71.2

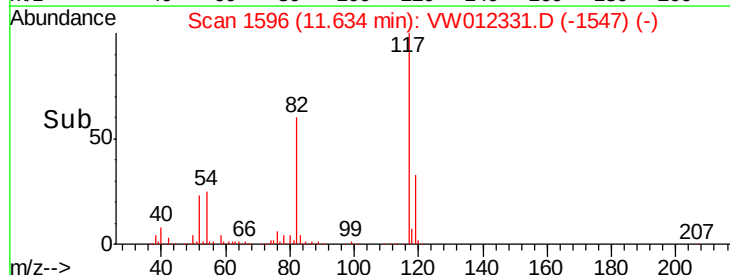
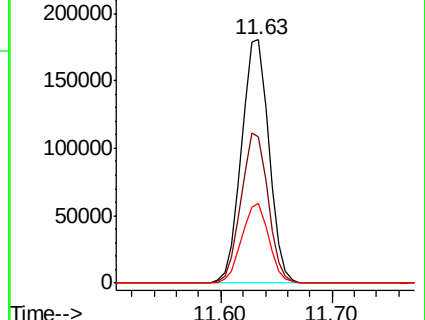
119 32.9 25.4 38.2

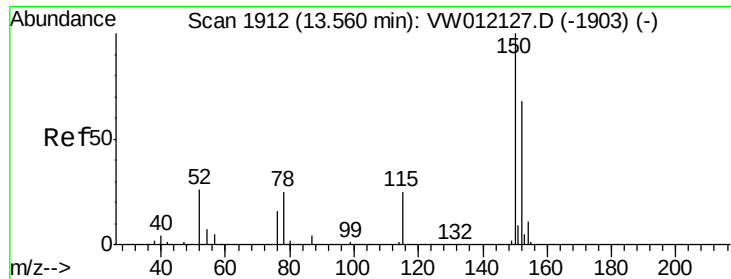


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012331.D

Acq: 30 Aug 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

SB-39-6.5-7.0

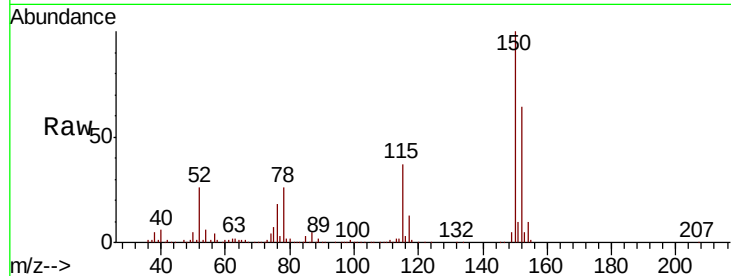
Tgt Ion:152 Resp: 126603

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

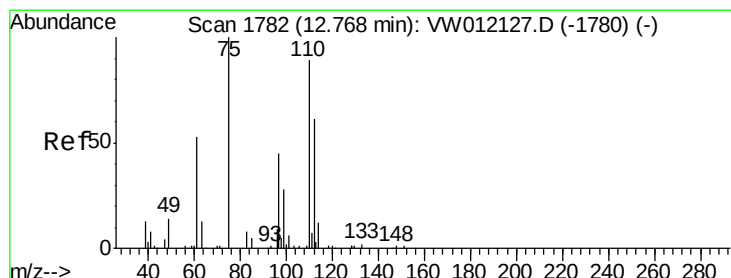
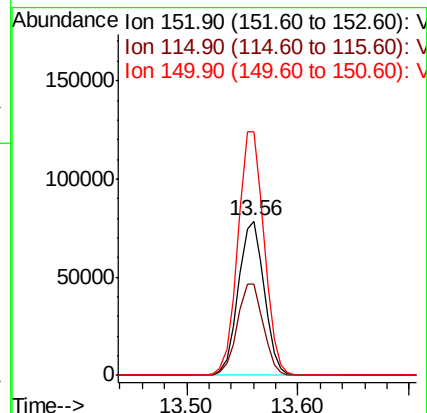
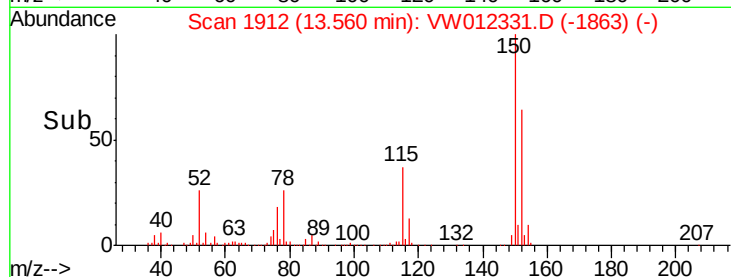
150 159.3 0.0 345.8



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: 63.094 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012331.D

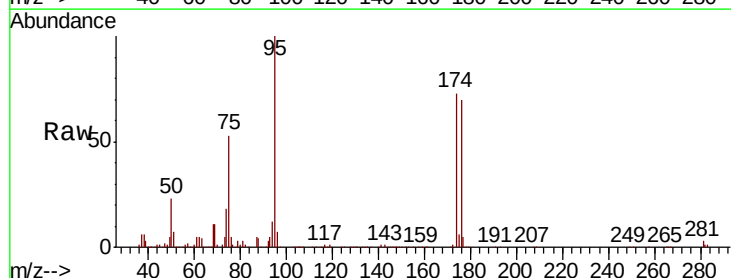
Acq: 30 Aug 2019 04:33

Tgt Ion: 75 Resp: 77796

Ion Ratio Lower Upper

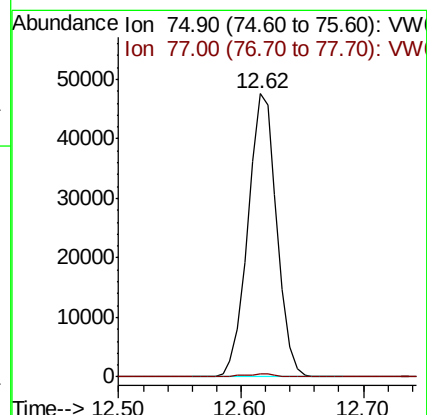
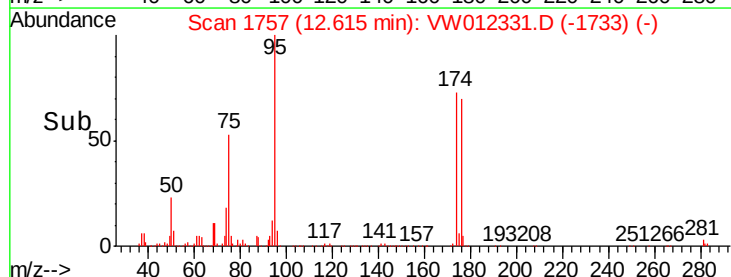
75 100

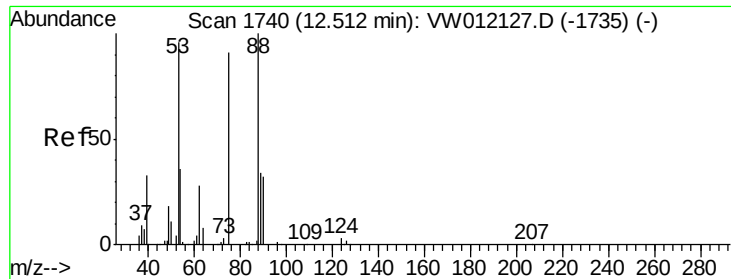
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

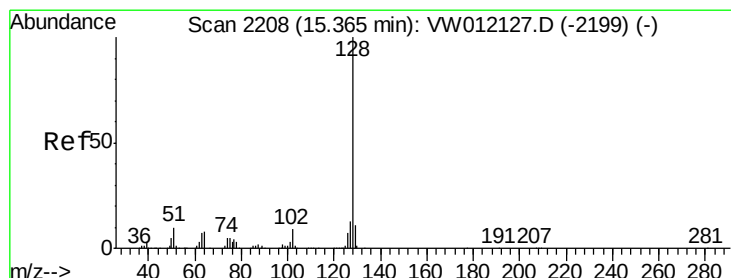
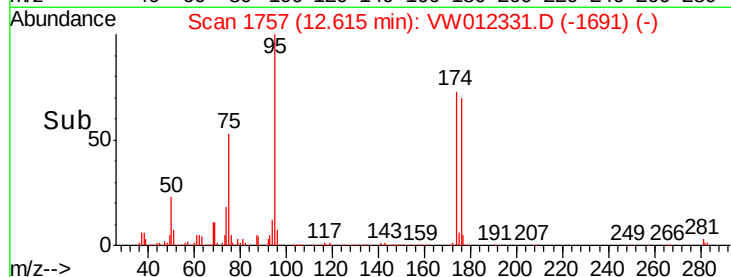
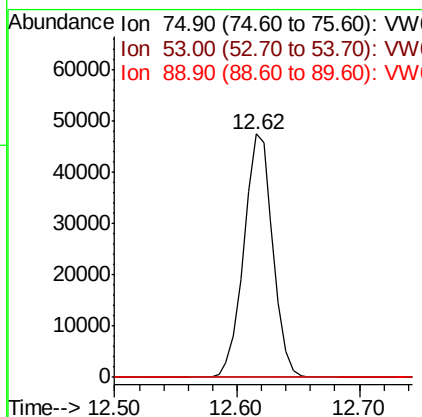
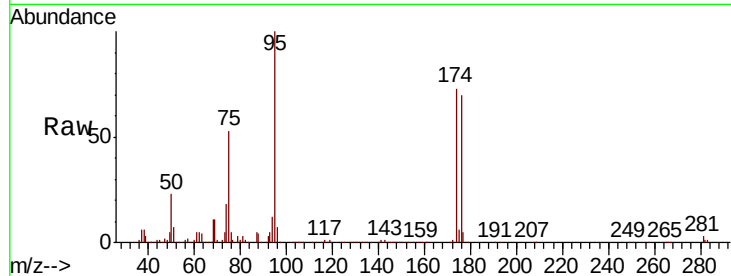




#81
trans-1,4-Dichloro-2-butene
Concen: 138.335 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

Instrument :
MSVOA_W
ClientSampleId :
SB-39-6.5-7.0

Tgt Ion: 75 Resp: 77796
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 11.134 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012331.D
Acq: 30 Aug 2019 04:33

Tgt Ion: 128 Resp: 35613
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.8 8.7 13.1

