

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012265.D
 Acq On : 28 Aug 2019 19:58
 Operator : SY/VA
 Sample : K4510-11
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-6.5-7.0

Quant Time: Aug 29 06:49:20 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	118503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	185222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	66105	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	7.88	113	56330	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
50) Toluene-d8	10.32	98	224650	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	69607	44.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.10%	

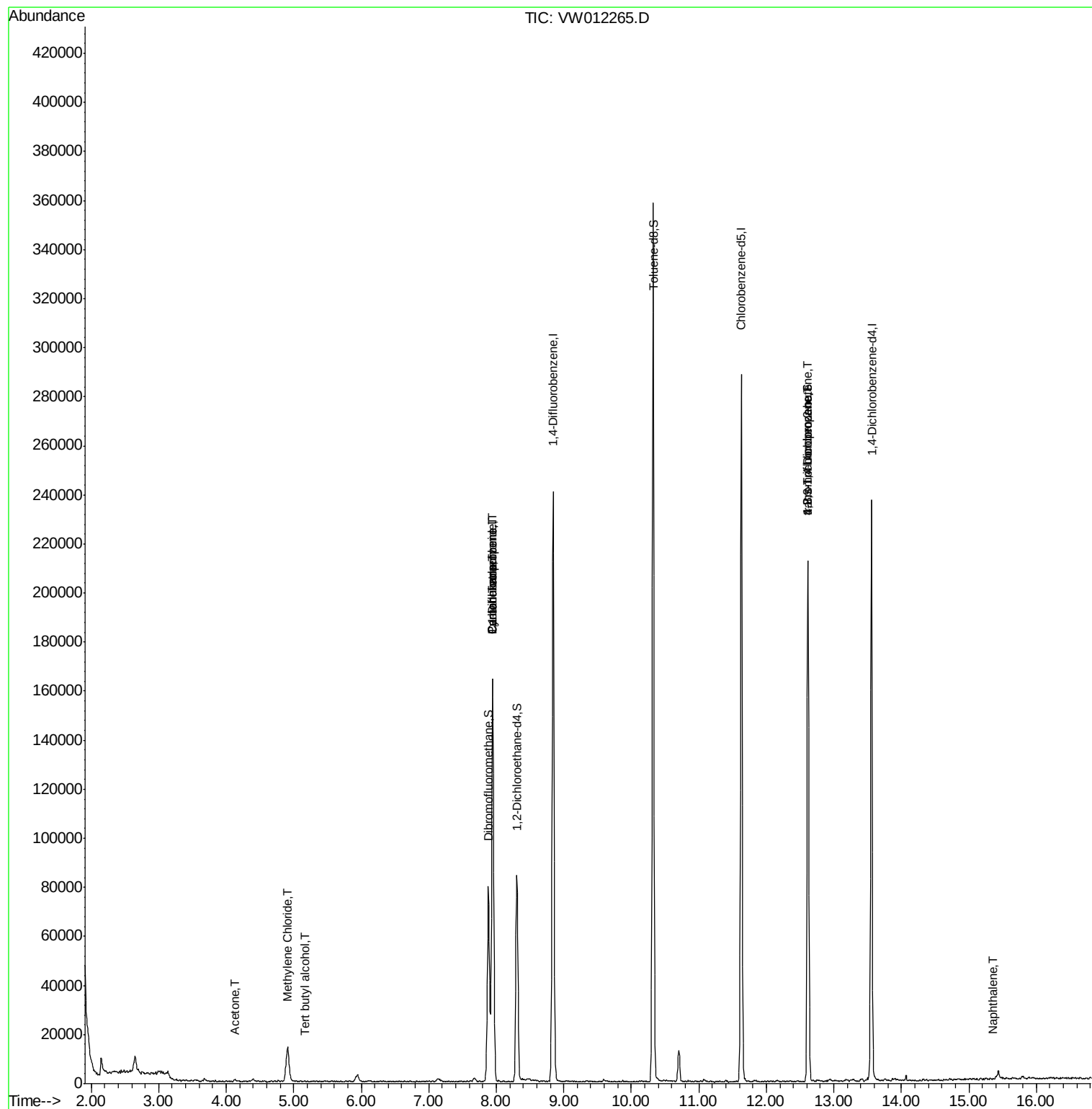
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	143	1.687	ug/l #	71
16) Acetone	4.13	43	1270	3.527	ug/l	91
20) Methylene Chloride	4.91	84	9551	7.016	ug/l	96
31) Cyclohexane	7.95	56	3103	1.223	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	9860	5.151	ug/l #	52
38) Carbon Tetrachloride	7.95	117	12031	7.262	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	36352	62.113	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36352	136.186	ug/l #	6
95) Naphthalene	15.36	128	67	4.348	ug/l #	69

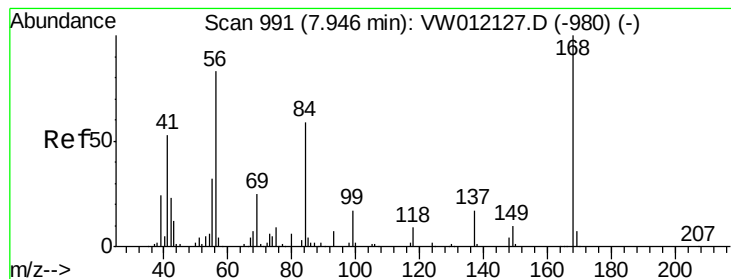
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

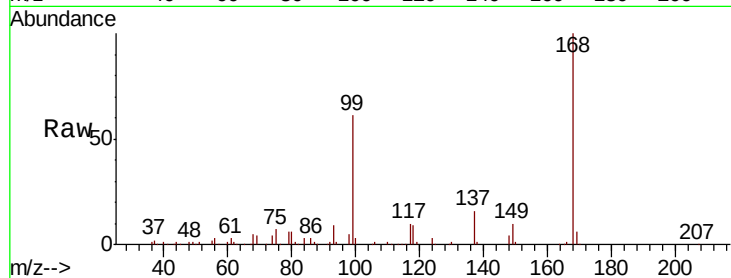
SB-13-6.5-7.0

Tgt Ion:168 Resp: 118503

Ion Ratio Lower Upper

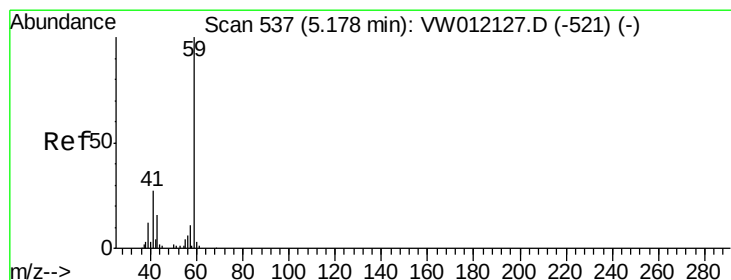
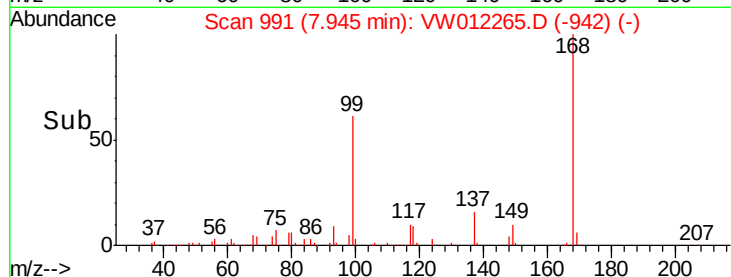
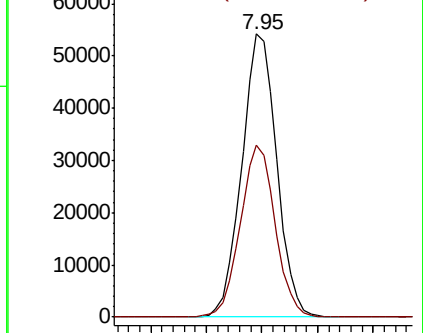
168 100

99 60.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.687 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012265.D

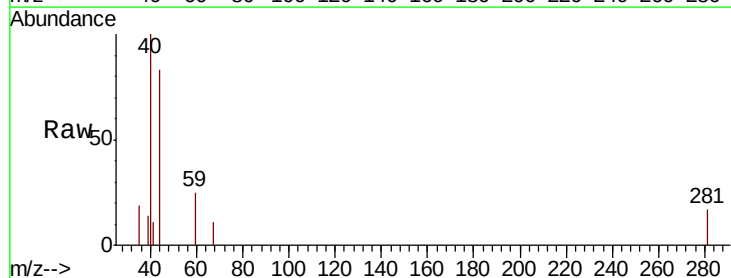
Acq: 28 Aug 2019 19:58

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

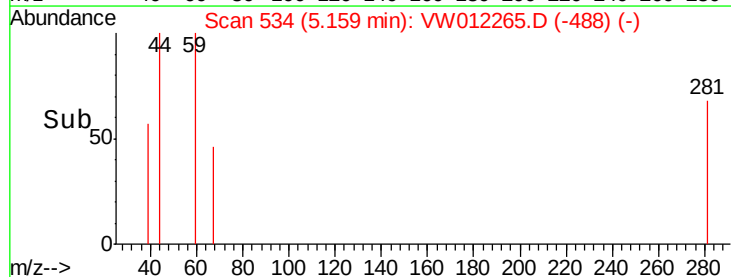
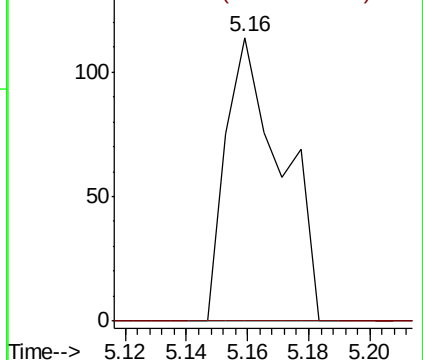
59 100

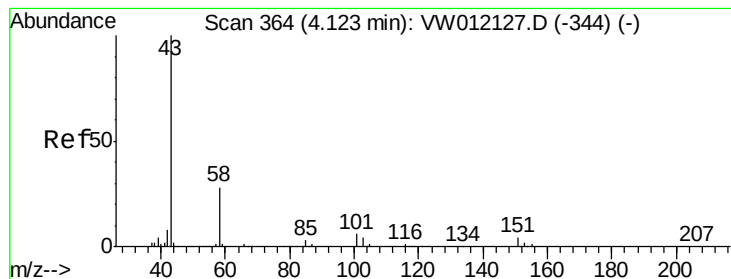
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.527 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampled :

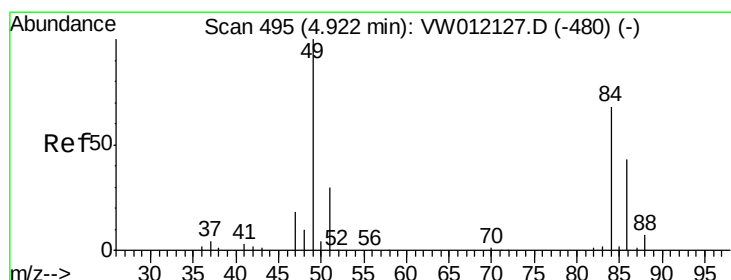
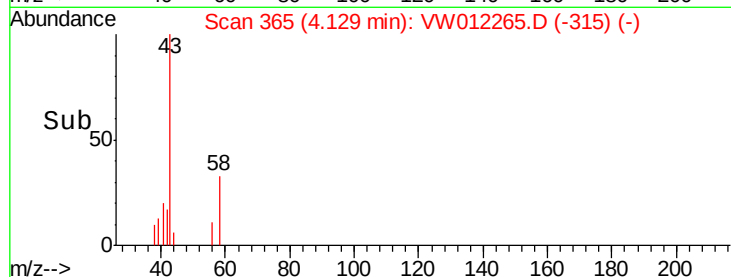
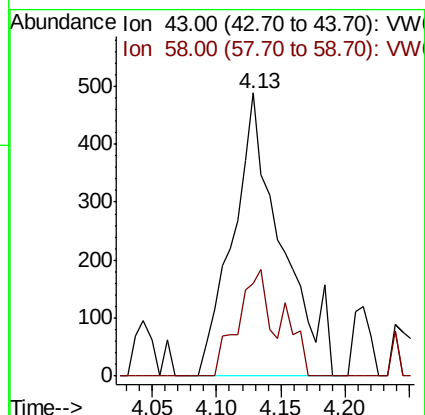
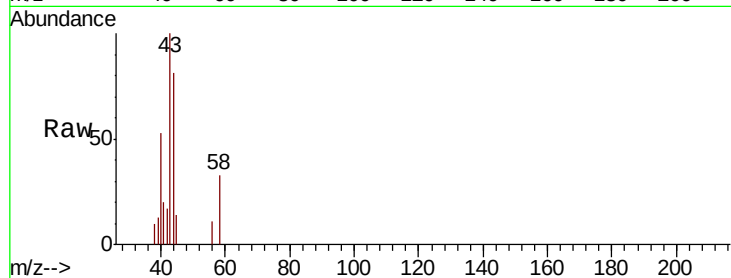
SB-13-6.5-7.0

Tgt Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

58 32.6 22.4 33.6



#20

Methylene Chloride

Concen: 7.016 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

Tgt Ion: 84 Resp: 9551

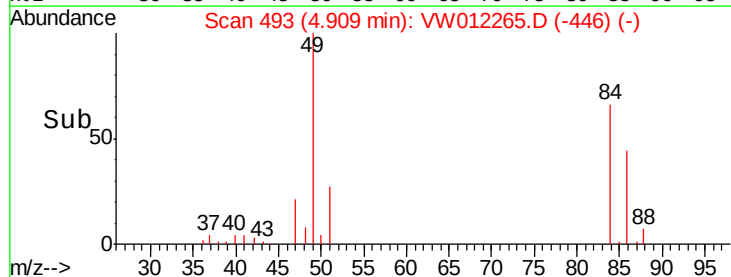
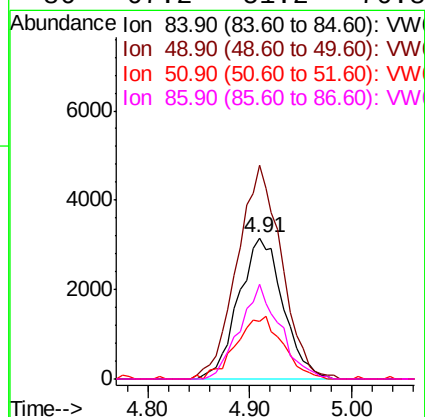
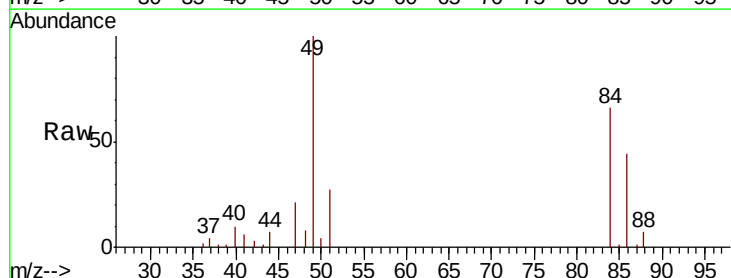
Ion Ratio Lower Upper

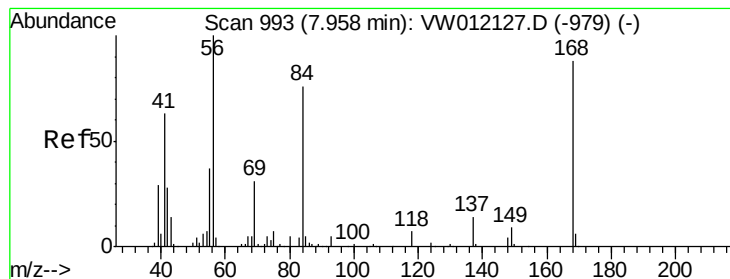
84 100

49 151.2 117.8 176.8

51 41.1 35.6 53.4

86 67.2 51.2 76.8





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

SB-13-6.5-7.0

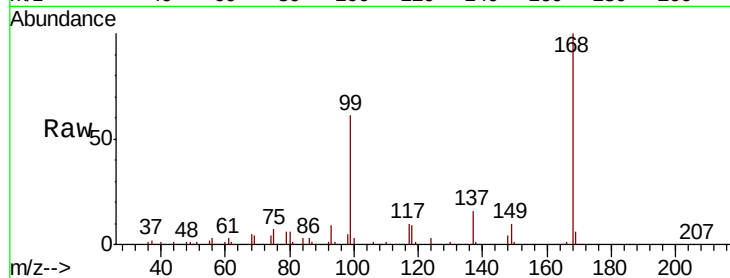
Tgt Ion: 56 Resp: 3103

Ion Ratio Lower Upper

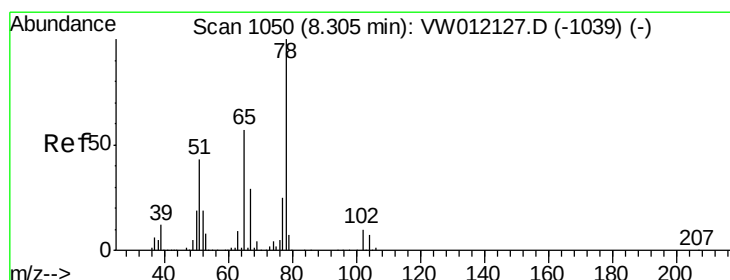
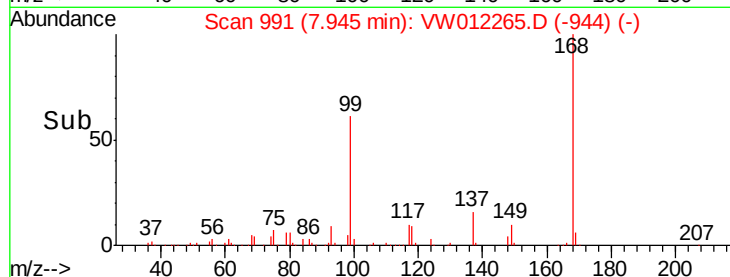
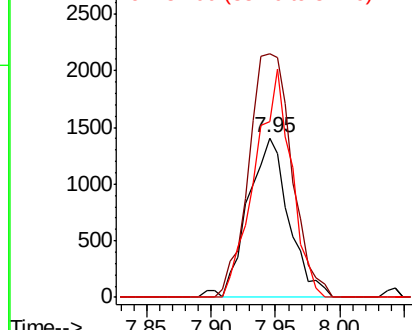
56 100

69 152.5 24.9 37.3#

84 110.4 60.6 90.8#



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: 46.926 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012265.D

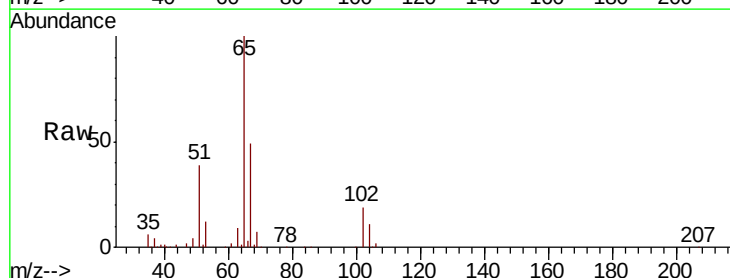
Acq: 28 Aug 2019 19:58

Tgt Ion: 65 Resp: 66105

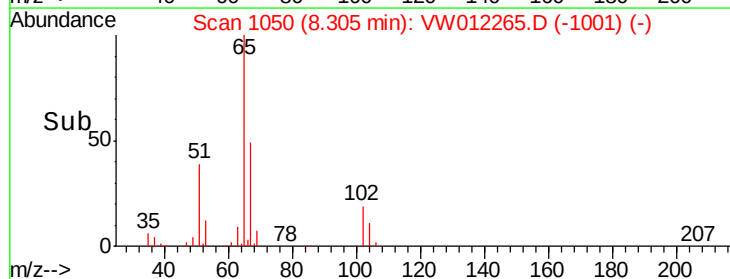
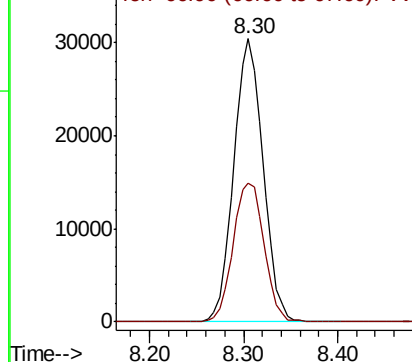
Ion Ratio Lower Upper

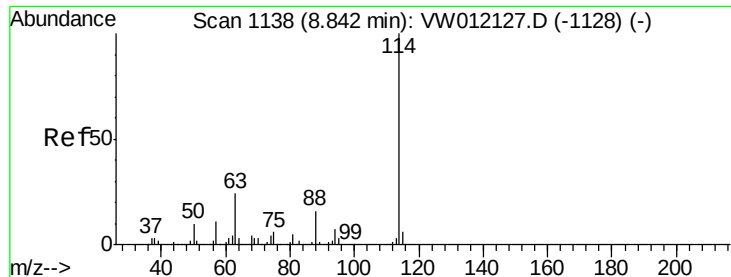
65 100

67 51.7 0.0 102.6



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: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

SB-13-6.5-7.0

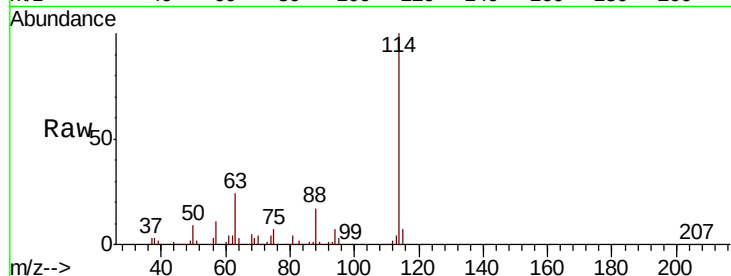
Tgt Ion:114 Resp: 185222

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

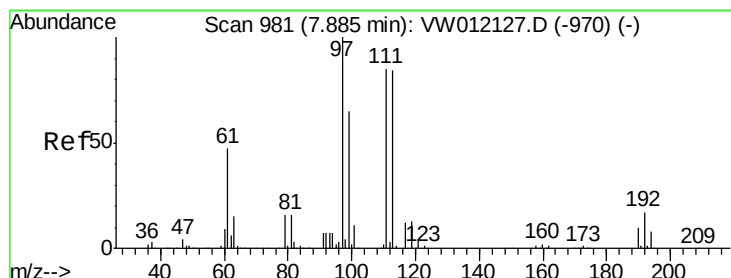
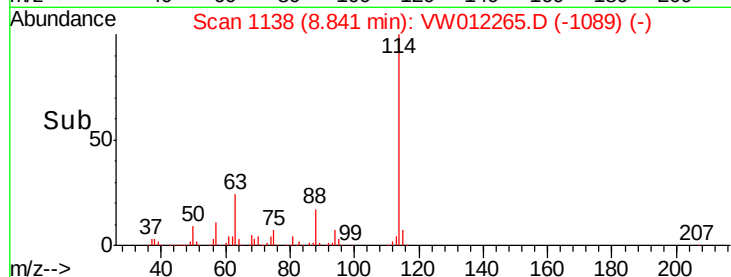
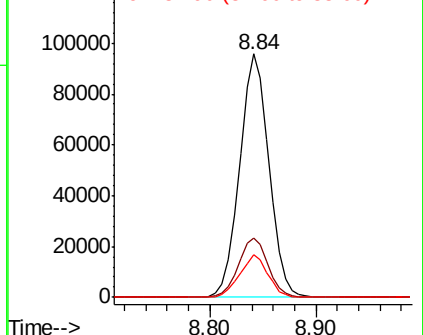
88 17.4 0.0 32.2



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: 50.950 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

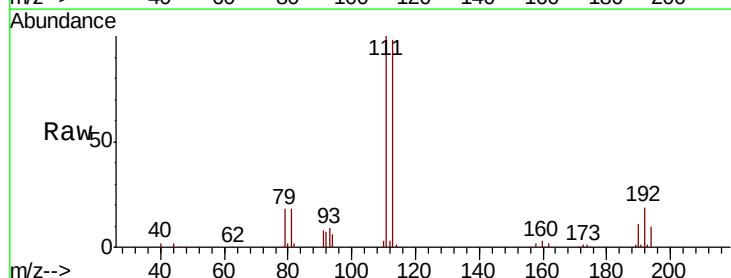
Tgt Ion:113 Resp: 56330

Ion Ratio Lower Upper

113 100

111 101.5 82.7 124.1

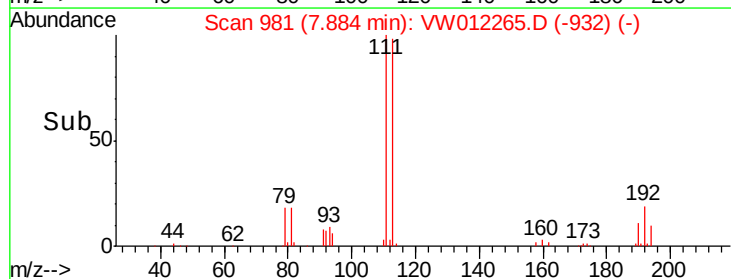
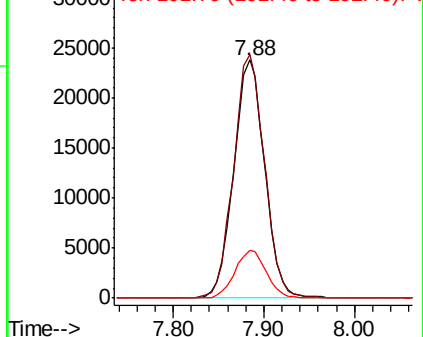
192 20.2 16.2 24.2

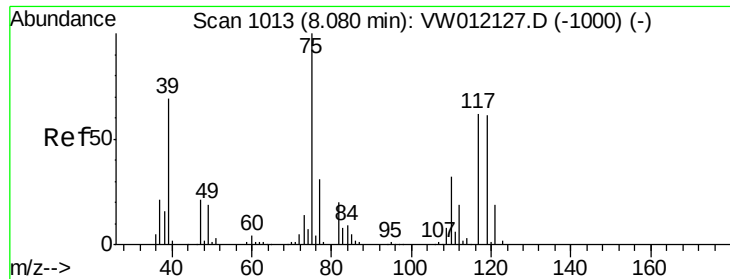


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

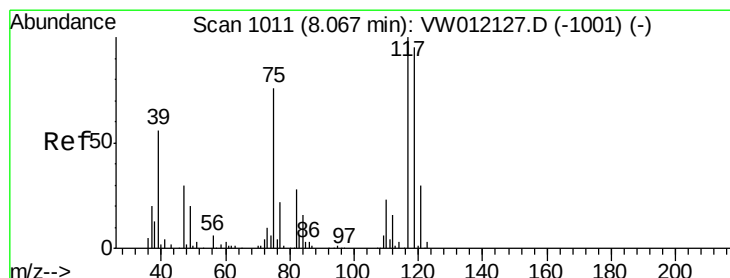
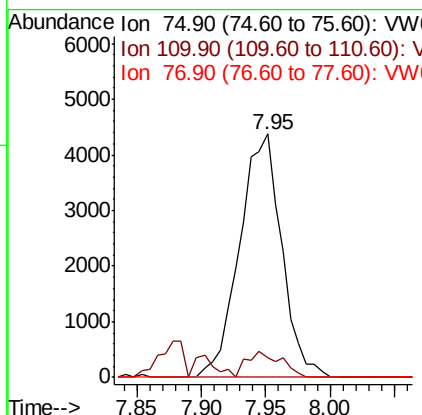
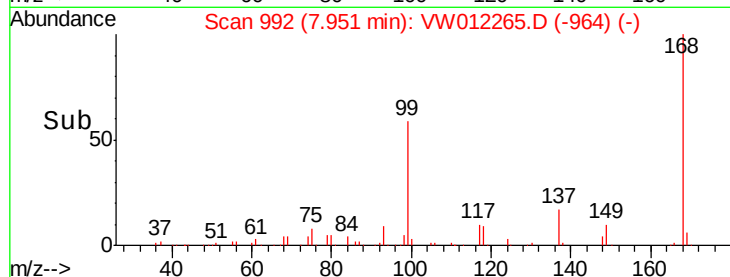
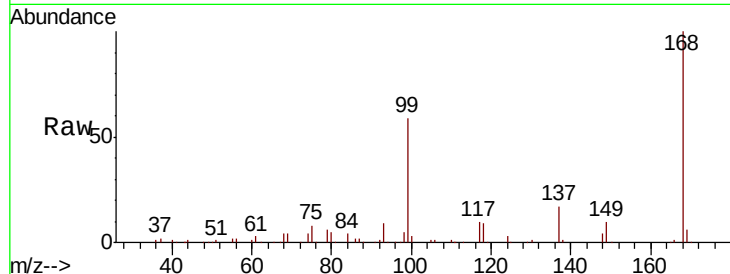




#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW012265.D
 Acq: 28 Aug 2019 19:58

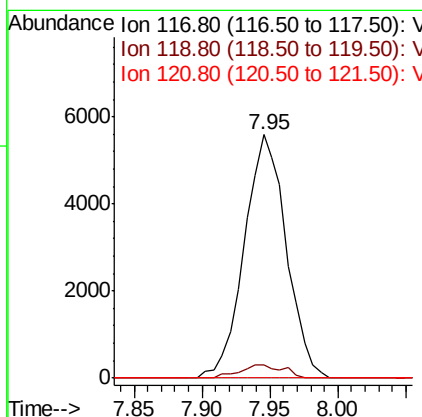
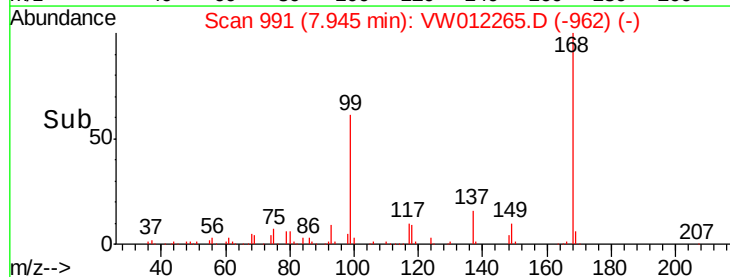
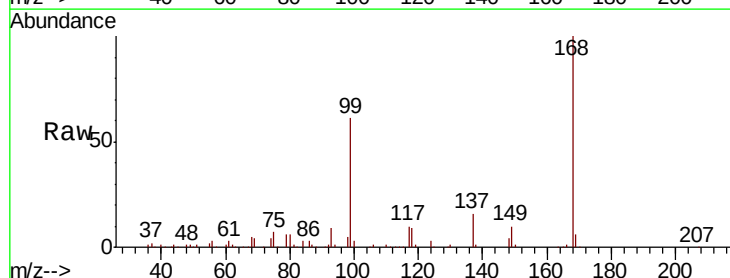
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-13-6.5-7.0

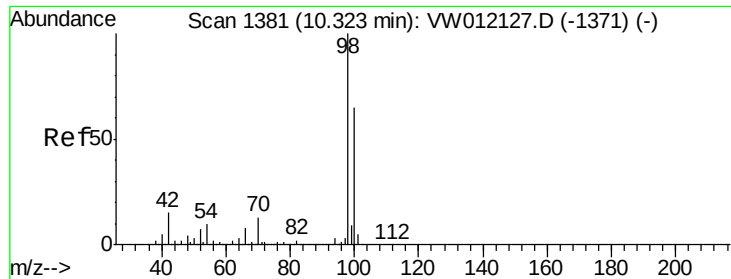
Tgt Ion: 75 Resp: 9860
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.262 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012265.D
 Acq: 28 Aug 2019 19:58

Tgt Ion: 117 Resp: 12031
 Ion Ratio Lower Upper
 117 100
 119 5.6 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.113 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

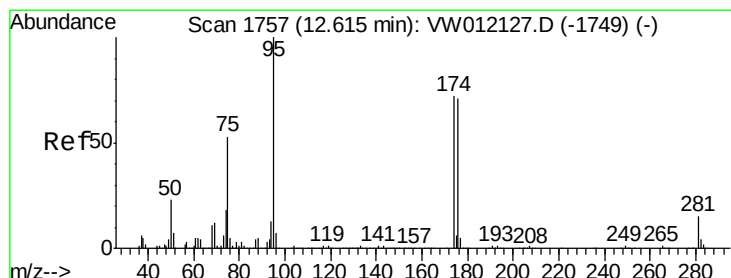
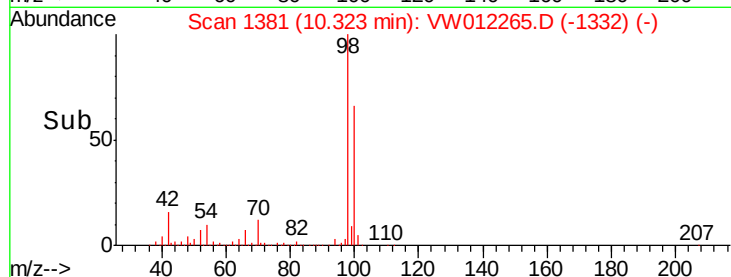
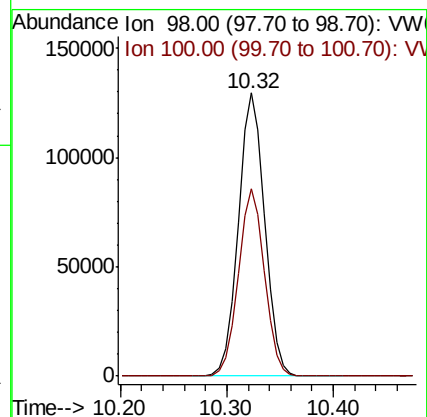
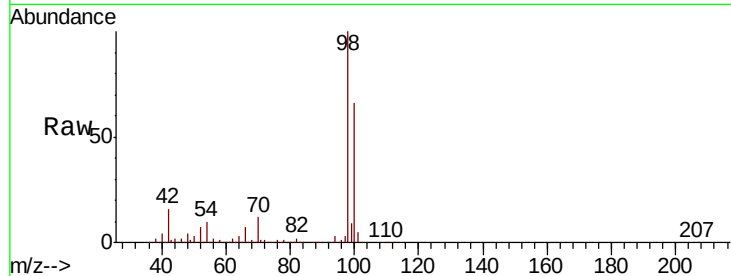
SB-13-6.5-7.0

Tgt Ion: 98 Resp: 224650

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.049 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

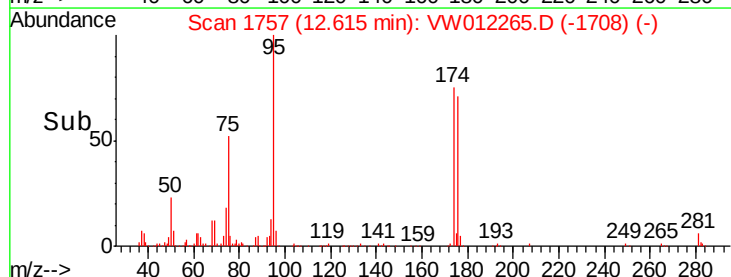
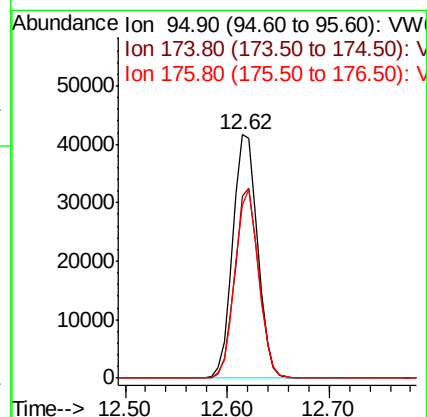
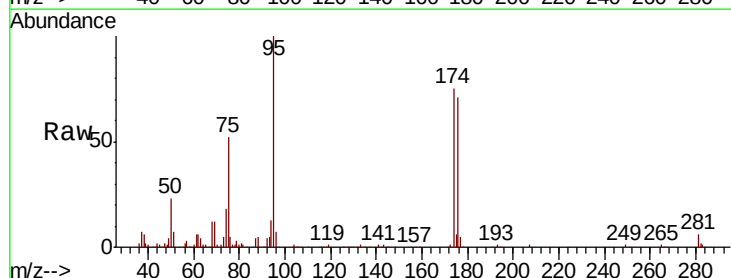
Tgt Ion: 95 Resp: 69607

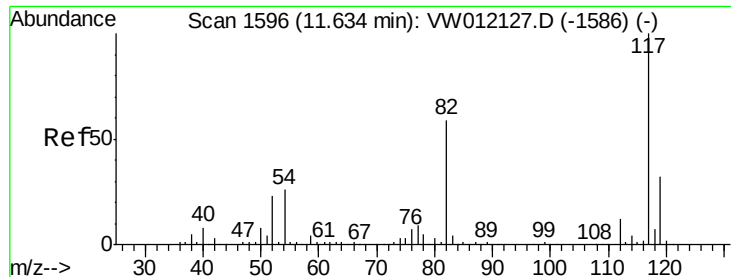
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.8

176 74.2 0.0 148.6

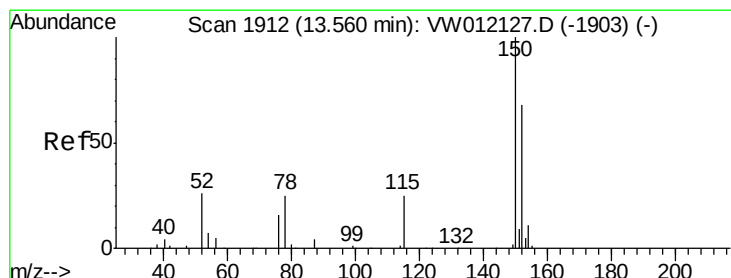
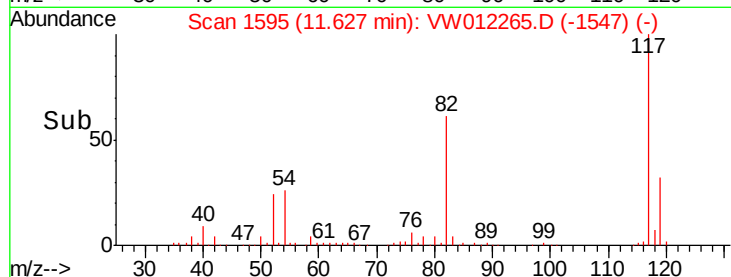
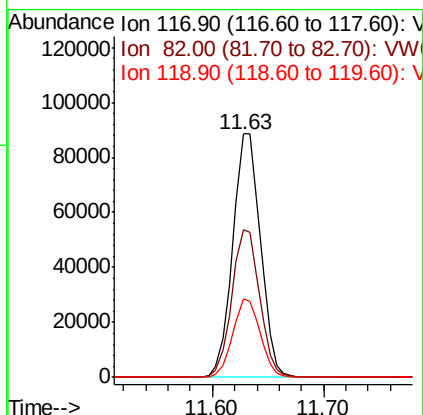
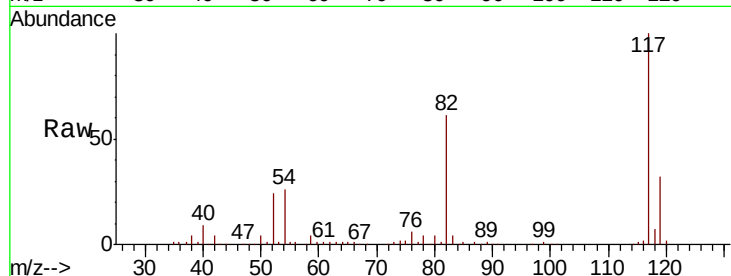




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012265.D
Acq: 28 Aug 2019 19:58

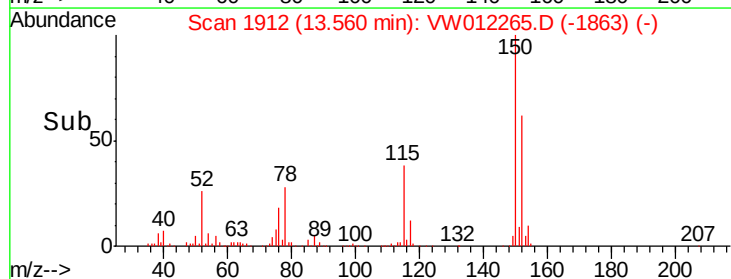
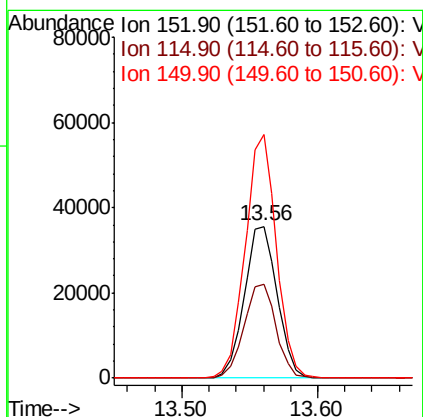
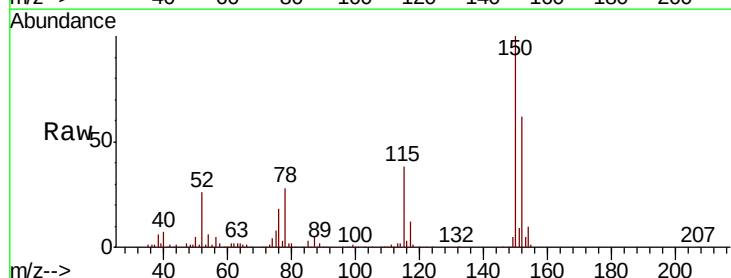
Instrument :
MSVOA_W
ClientSampleId :
SB-13-6.5-7.0

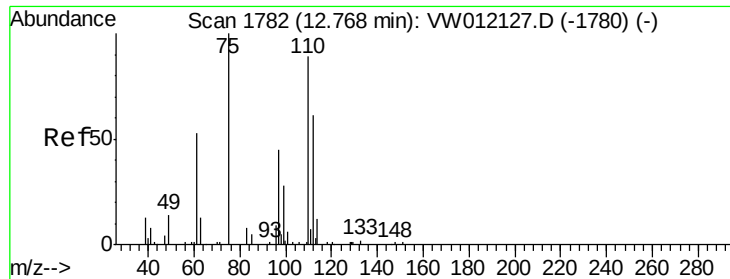
Tgt Ion:117 Resp: 153001
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012265.D
Acq: 28 Aug 2019 19:58

Tgt Ion:152 Resp: 60092
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.3
150 152.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.113 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

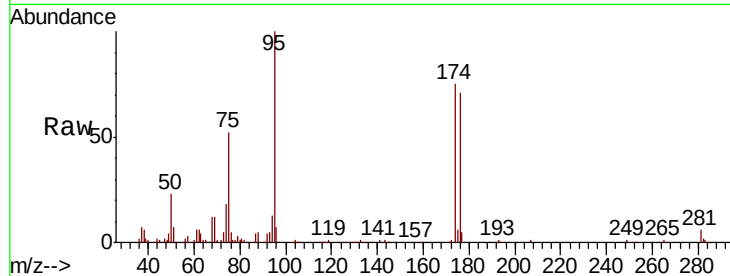
SB-13-6.5-7.0

Tgt Ion: 75 Resp: 36352

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

25000

20000

15000

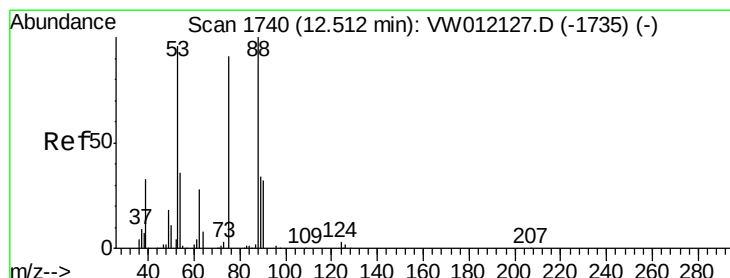
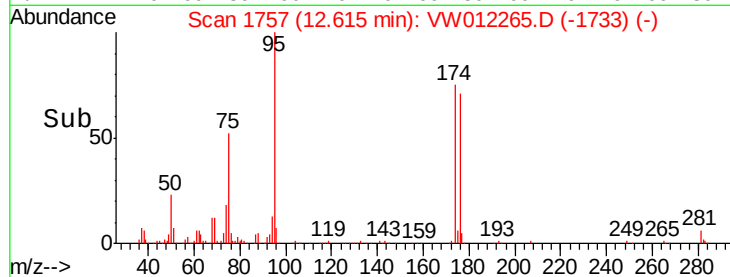
10000

5000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 136.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012265.D

Acq: 28 Aug 2019 19:58

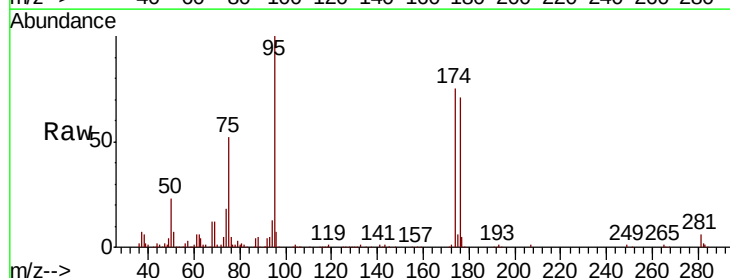
Tgt Ion: 75 Resp: 36352

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.1 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

30000

25000

20000

15000

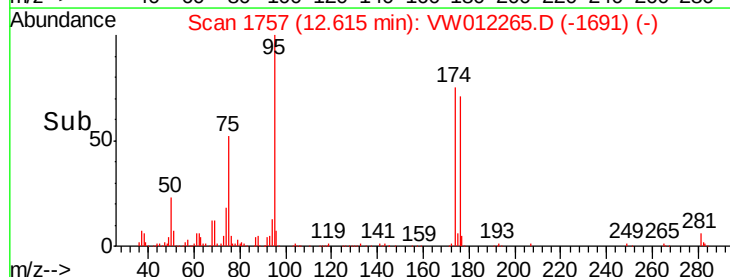
10000

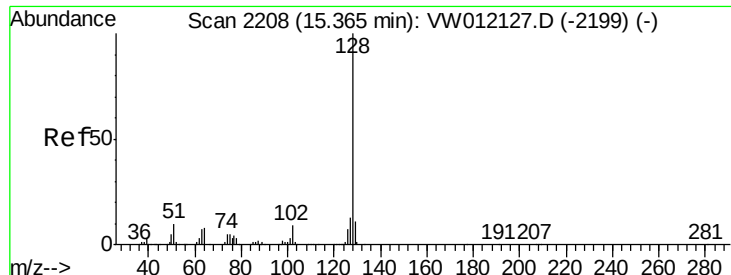
5000

0

12.55 12.60 12.65 12.70

Time-->

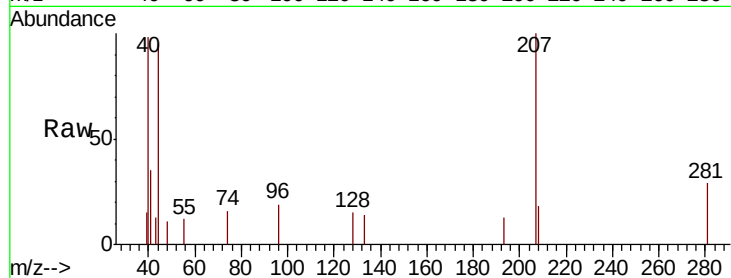




#95
Naphthalene
Concen: 4.348 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012265.D
Acq: 28 Aug 2019 19:58

Instrument :
MSVOA_W
ClientSampleId :
SB-13-6.5-7.0

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	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

