

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012315.D
 Acq On : 29 Aug 2019 20:21
 Operator : SY/VA
 Sample : K4568-05
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-16-9.5-10.0

Quant Time: Aug 30 06:51:45 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	238754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125012	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138880	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.88	113	114294	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.32	98	472378	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.62	95	151359	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

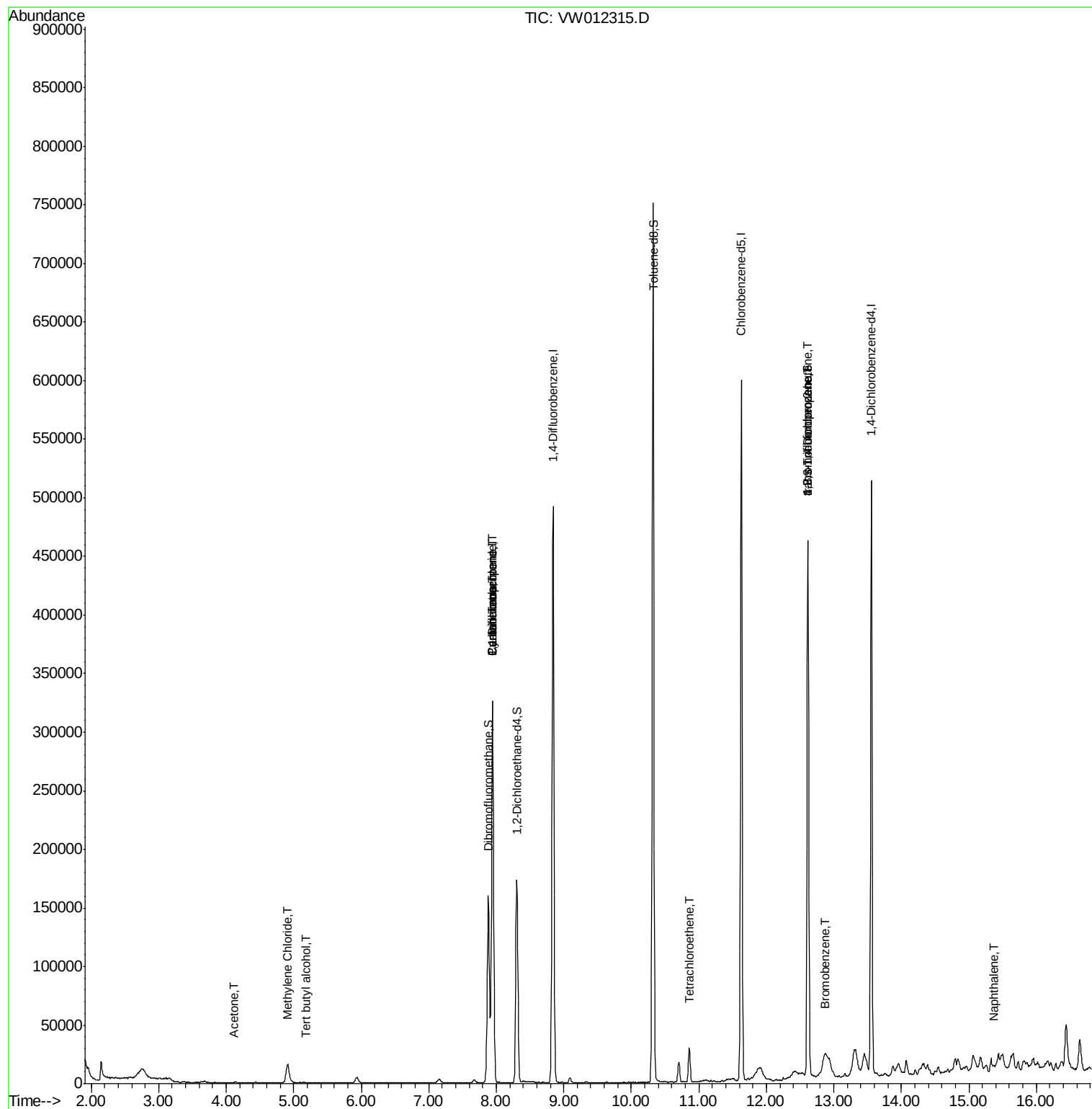
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	292	1.710	ug/l #	90
16) Acetone	4.12	43	1112	1.533	ug/l #	47
20) Methylene Chloride	4.91	84	11425	4.166	ug/l	93
31) Cyclohexane	7.94	56	5911	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19920	4.979	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23771	6.865	ug/l #	16
64) Tetrachloroethene	10.86	164	6675	3.241	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	79347	65.171	ug/l #	100
77) Bromobenzene	12.87	156	11768	5.807	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	79347	142.889	ug/l #	6
95) Naphthalene	15.36	128	3990	5.094	ug/l #	82

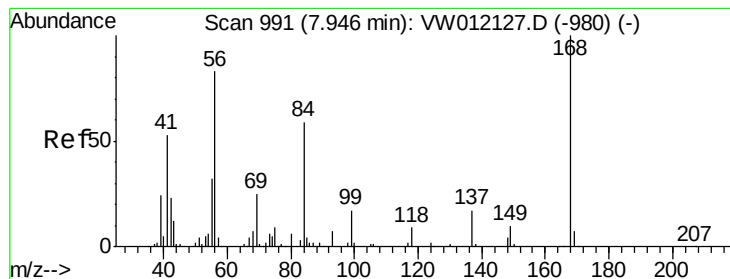
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
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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: VW012315.D

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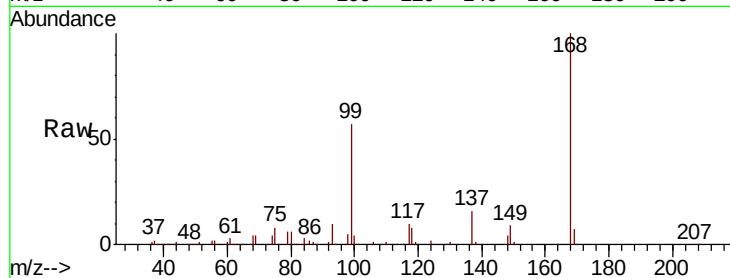
SB-16-9.5-10.0

Tgt Ion: 168 Resp: 238754

Ion Ratio Lower Upper

168 100

99 57.1 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

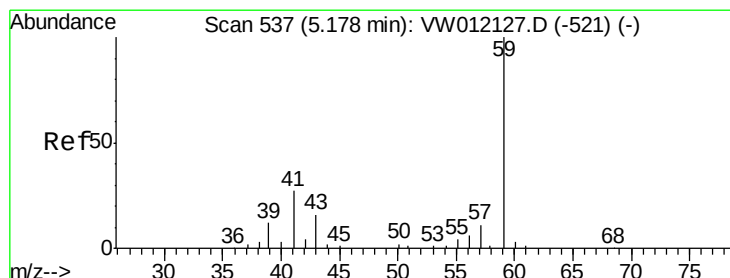
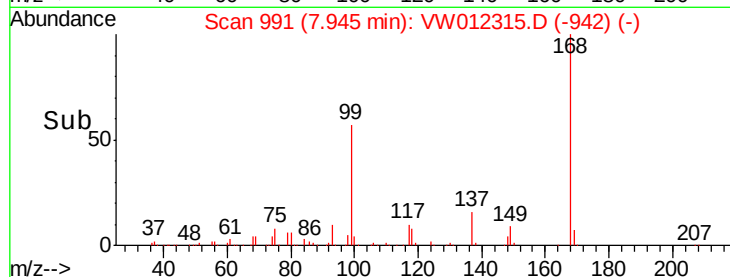
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.710 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012315.D

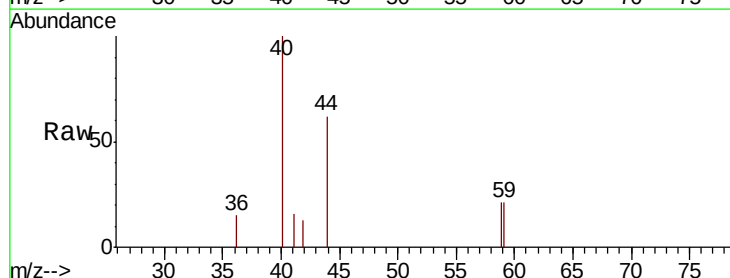
Acq: 29 Aug 2019 20:21

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

59 100

57 7.5 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

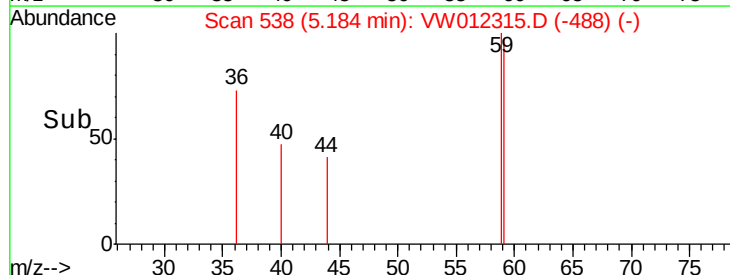
150

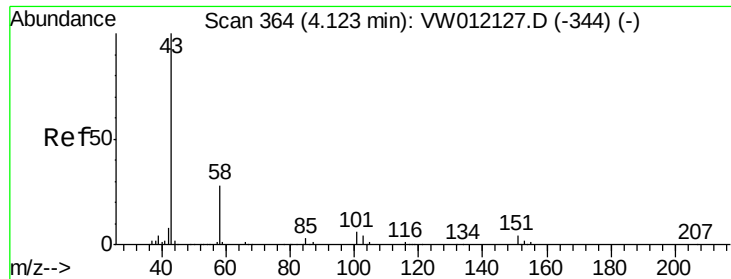
100

50

0

Time-->





#16

Acetone

Concen: 1.533 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

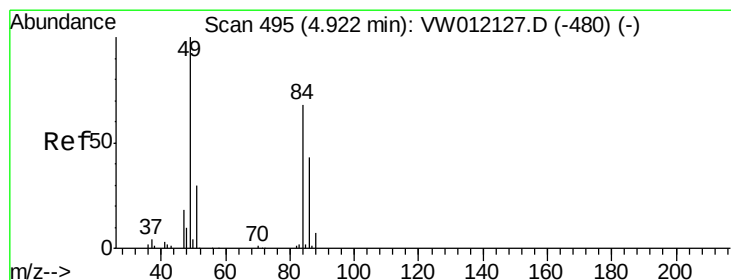
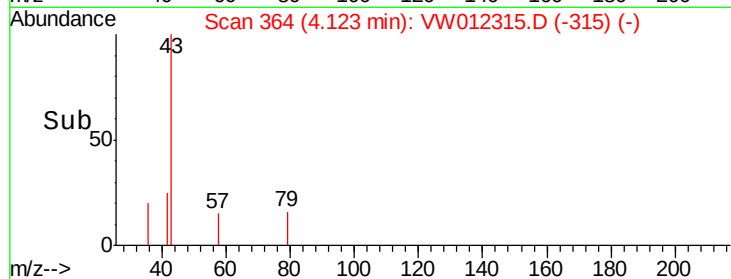
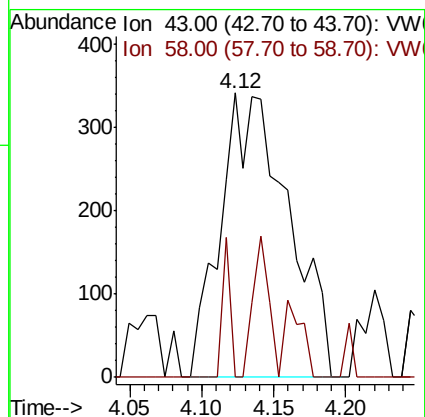
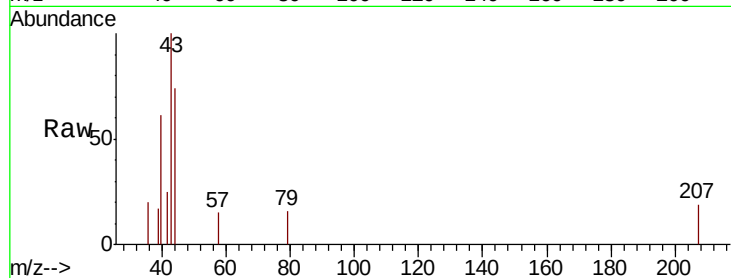
SB-16-9.5-10.0

Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#20

Methylene Chloride

Concen: 4.166 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

Tgt Ion: 84 Resp: 11425

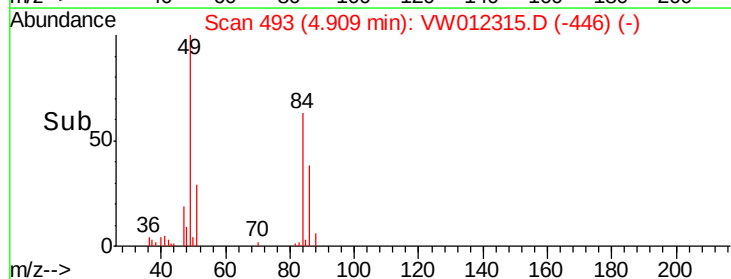
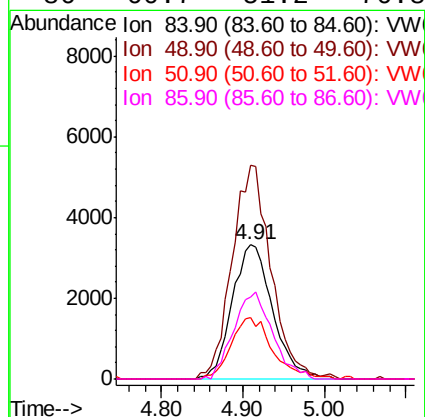
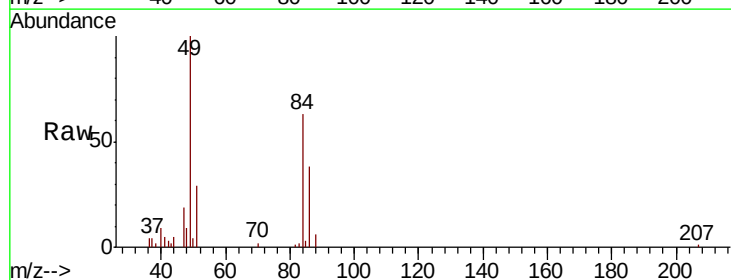
Ion Ratio Lower Upper

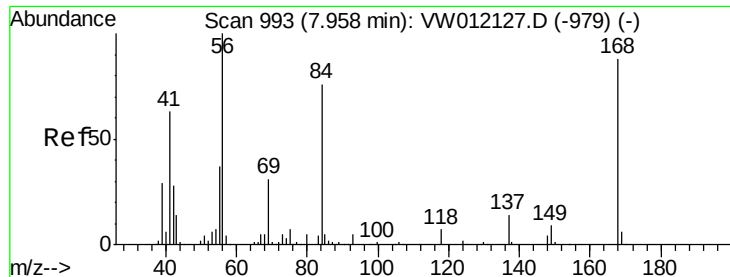
84 100

49 159.0 117.8 176.8

51 45.6 35.6 53.4

86 60.7 51.2 76.8

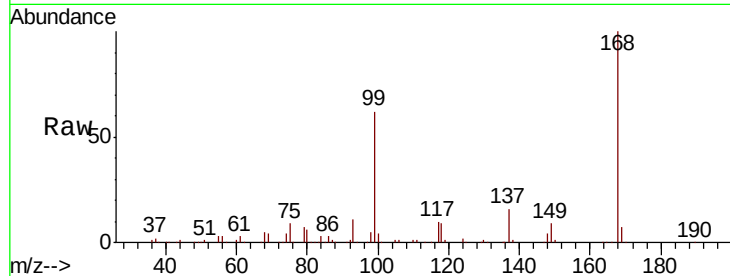




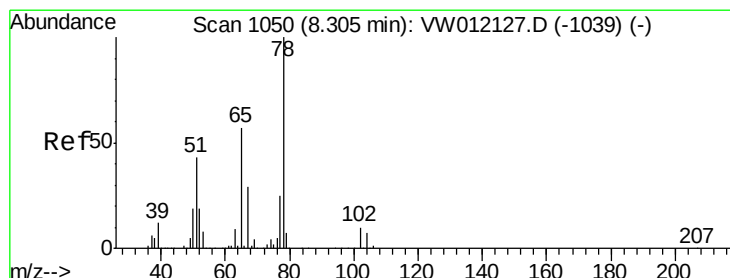
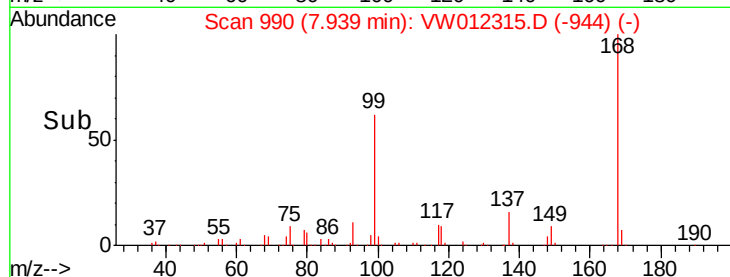
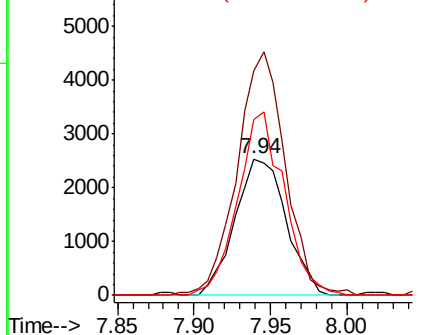
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
SB-16-9.5-10.0

Tgt Ion: 56 Resp: 5911
Ion Ratio Lower Upper
56 100
69 161.9 24.9 37.3#
84 128.9 60.6 90.8#

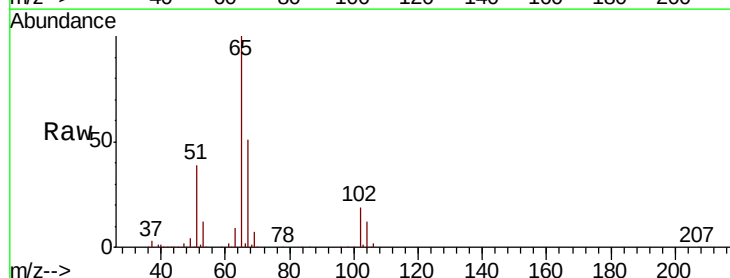


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

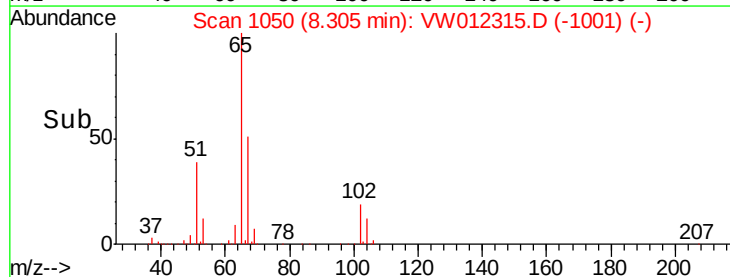
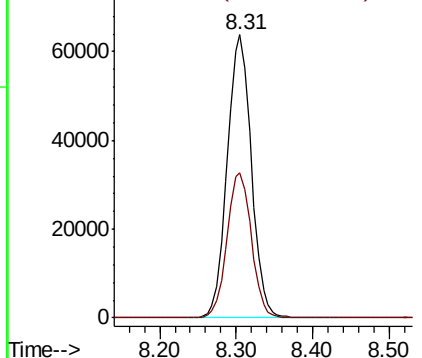


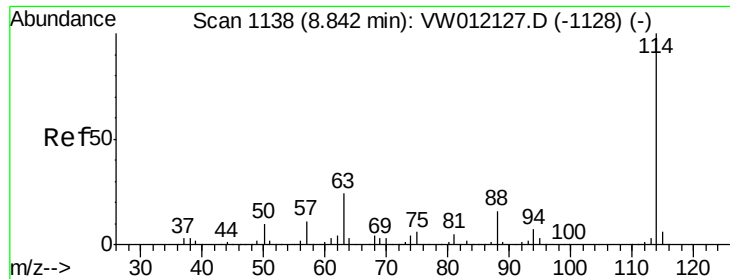
#33
1,2-Dichloroethane-d4
Concen: 48.932 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Tgt Ion: 65 Resp: 138880
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

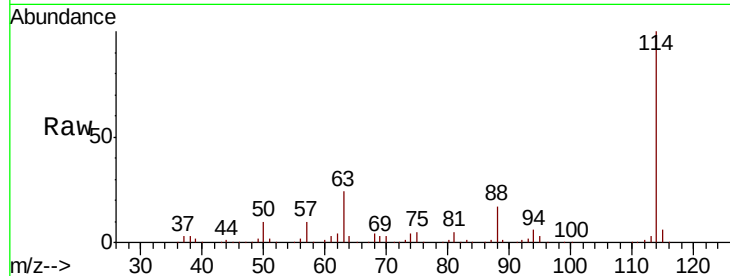




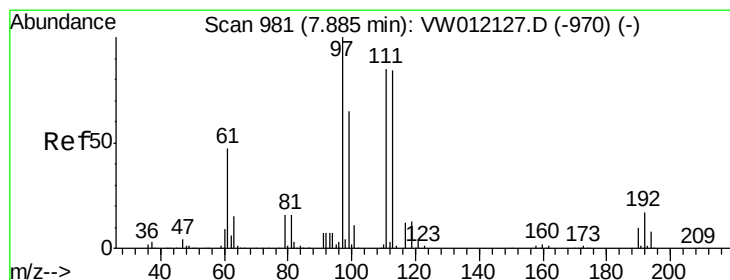
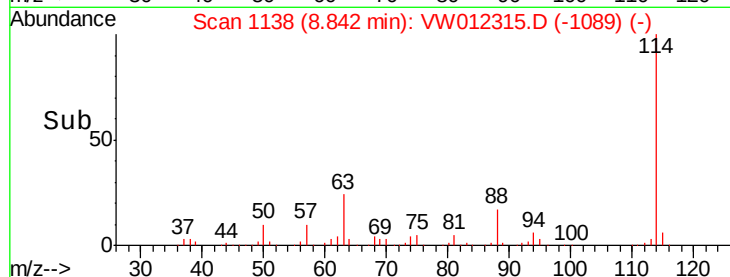
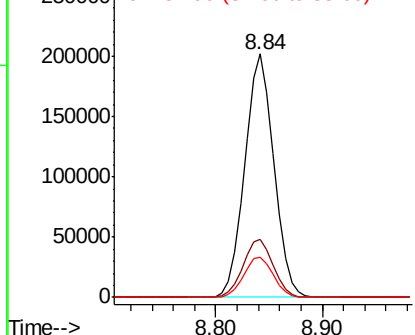
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
SB-16-9.5-10.0

Tgt Ion:114 Resp: 387143
Ion Ratio Lower Upper
114 100
63 23.7 0.0 48.6
88 16.6 0.0 32.2

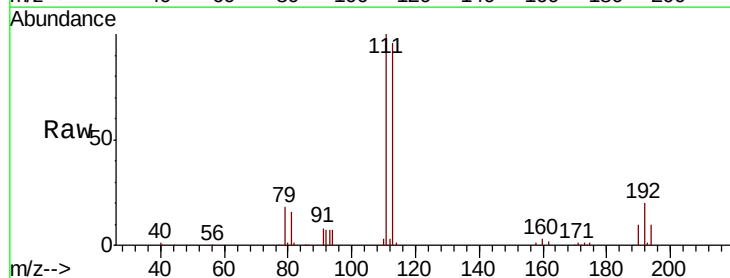


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

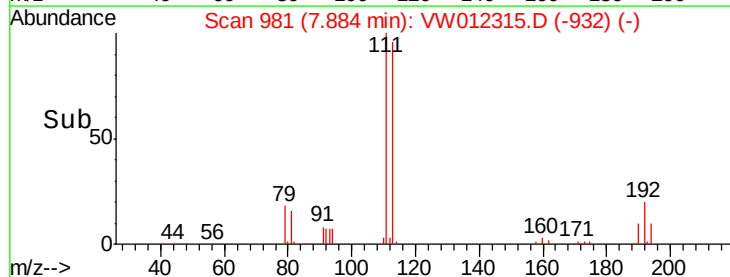
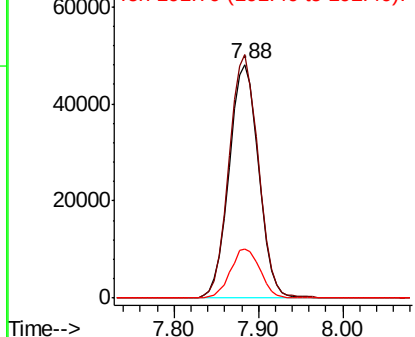


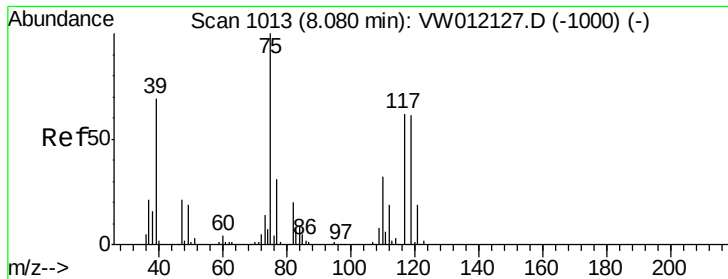
#35
Dibromofluoromethane
Concen: 49.459 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Tgt Ion:113 Resp: 114294
Ion Ratio Lower Upper
113 100
111 103.4 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

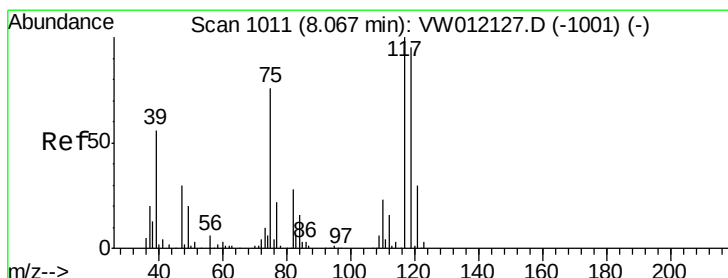
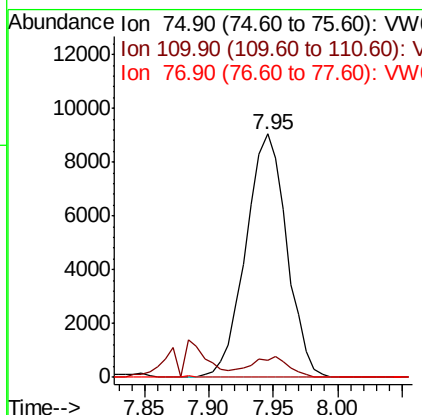
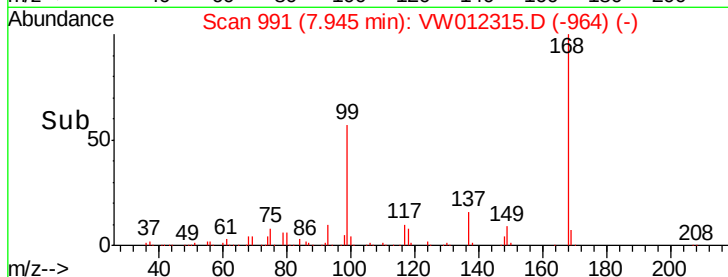
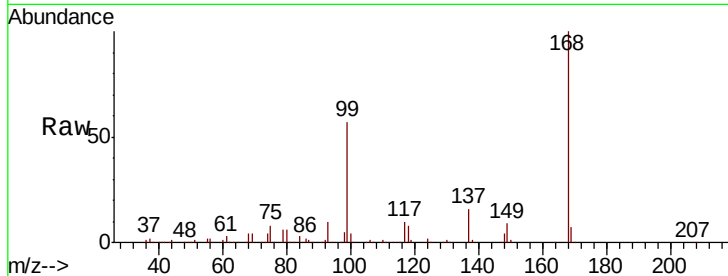




#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012315.D
 Acq: 29 Aug 2019 20:21

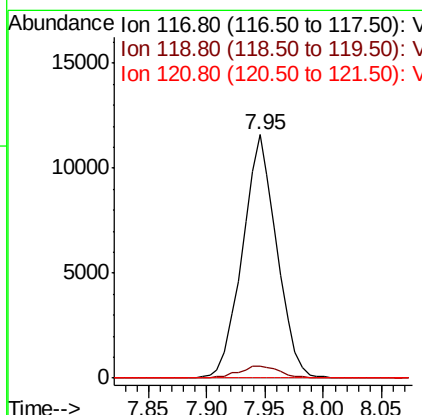
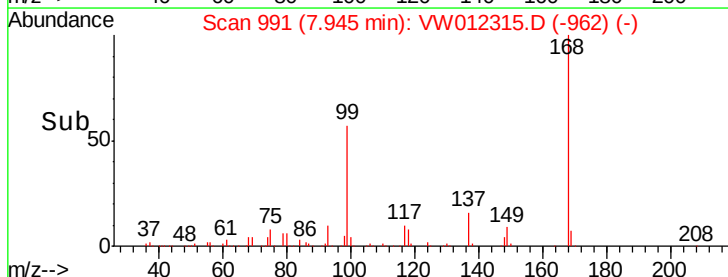
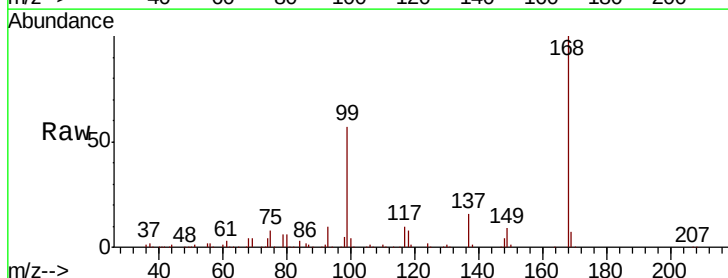
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-16-9.5-10.0

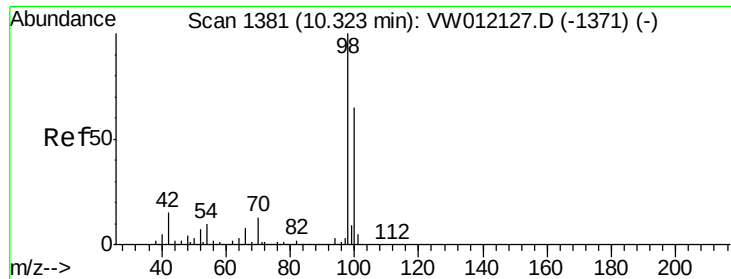
Tgt Ion: 75 Resp: 19920
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.865 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012315.D
 Acq: 29 Aug 2019 20:21

Tgt Ion: 117 Resp: 23771
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 50.414 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

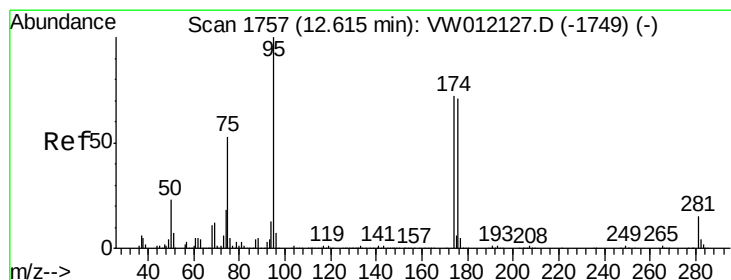
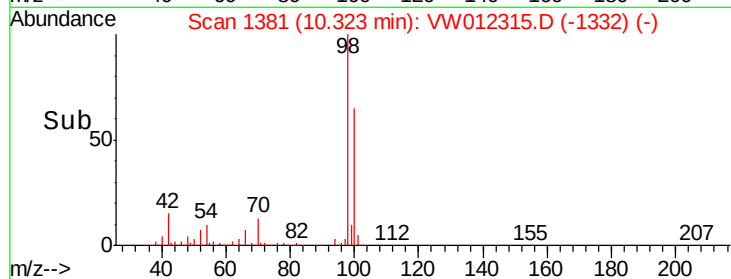
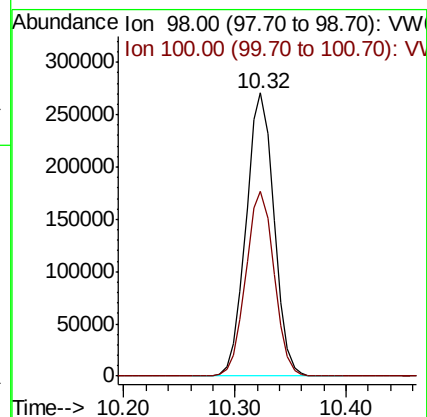
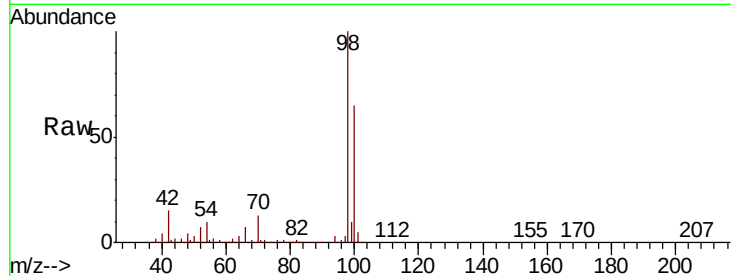
SB-16-9.5-10.0

Tgt Ion: 98 Resp: 472378

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.826 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

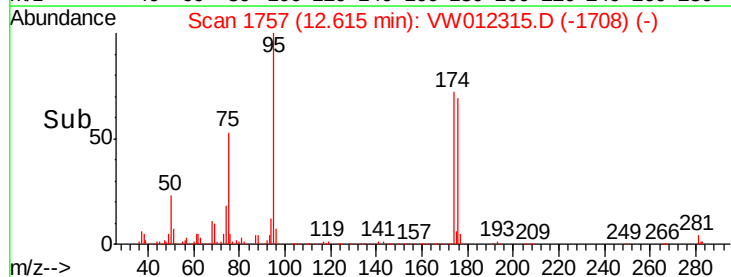
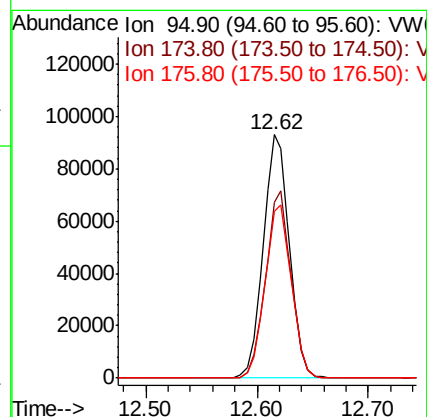
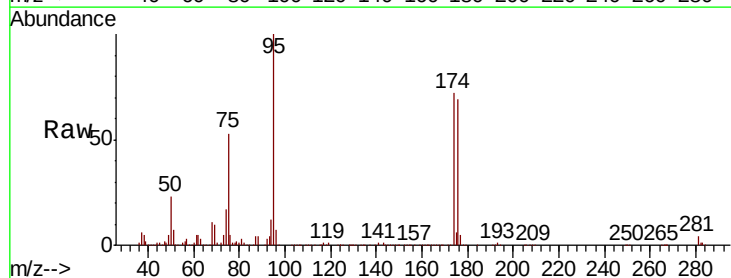
Tgt Ion: 95 Resp: 151359

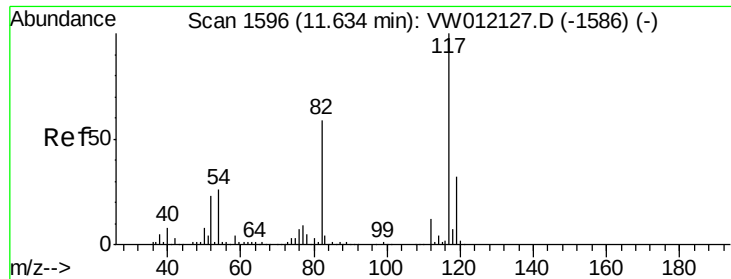
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.8

176 72.4 0.0 148.6

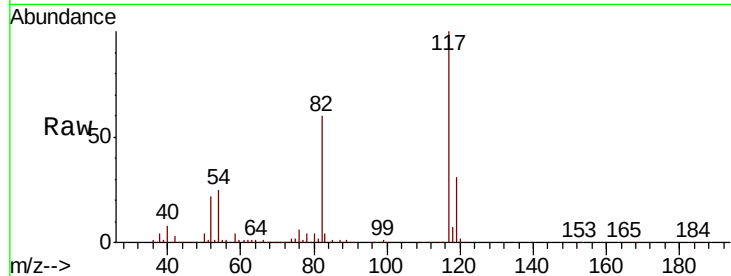




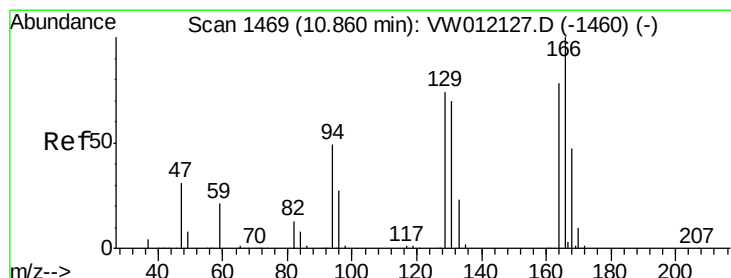
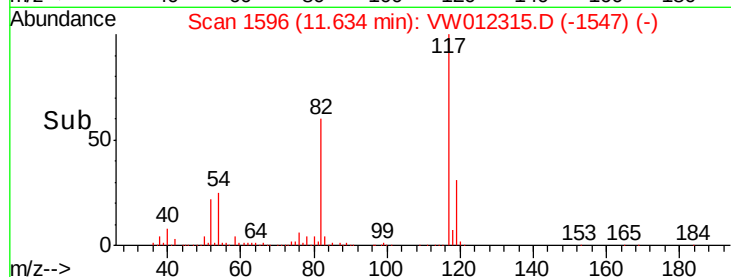
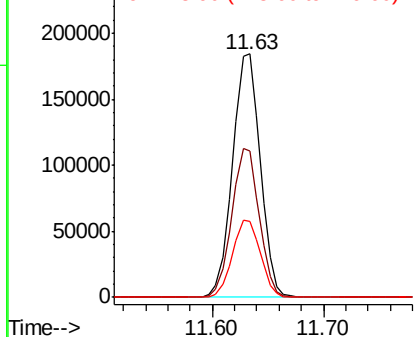
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
SB-16-9.5-10.0

Tgt Ion:117 Resp: 317622
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.4 25.4 38.2

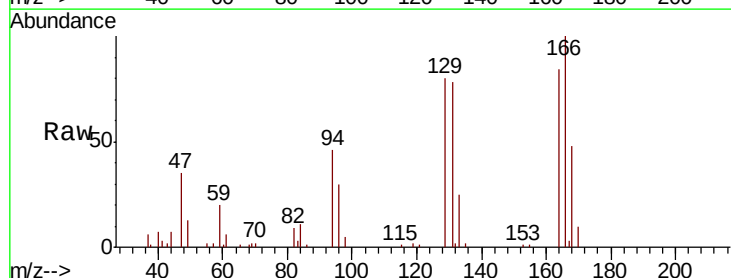


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

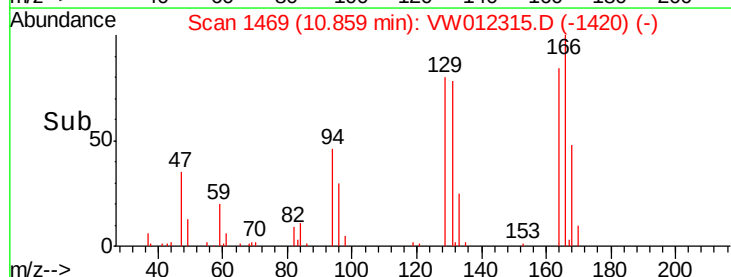
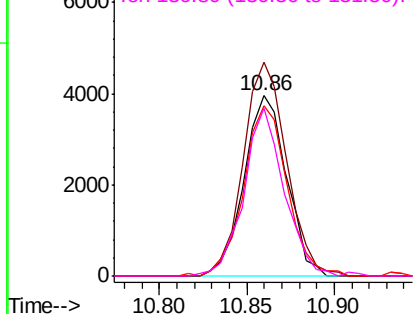


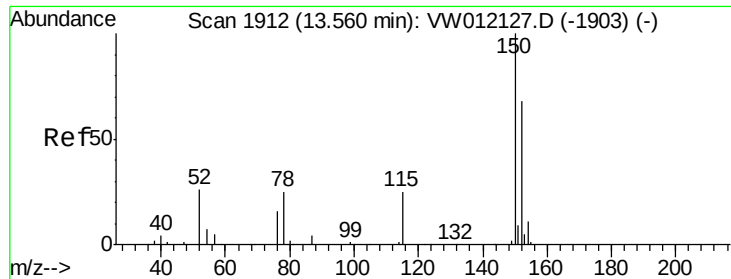
#64
Tetrachloroethene
Concen: 3.241 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Tgt Ion:164 Resp: 6675
Ion Ratio Lower Upper
164 100
166 118.4 102.4 153.6
129 92.9 75.8 113.6
131 92.9 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

SB-16-9.5-10.0

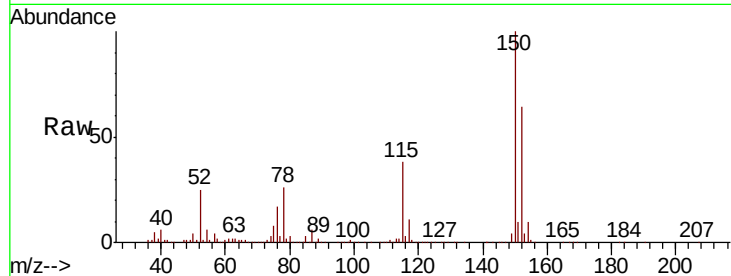
Tgt Ion:152 Resp: 125012

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

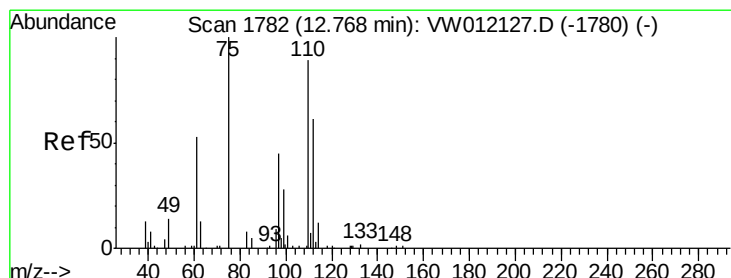
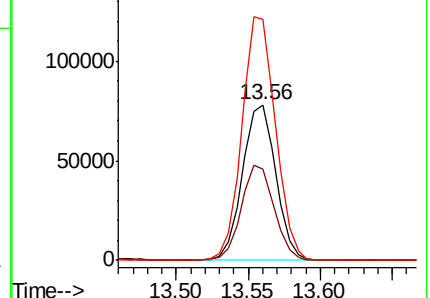
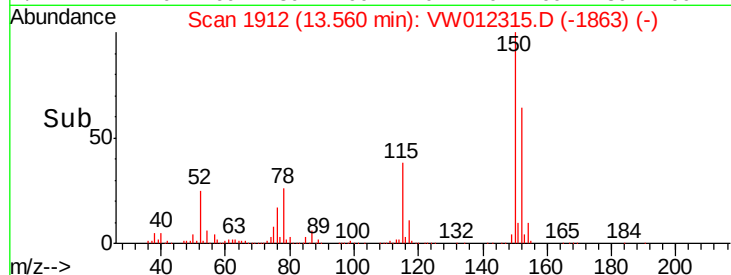
150 157.9 0.0 345.8



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: 65.171 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012315.D

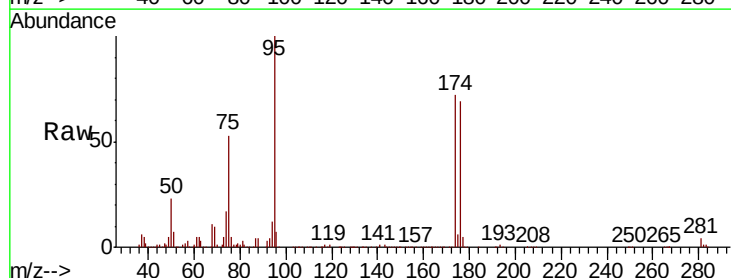
Acq: 29 Aug 2019 20:21

Tgt Ion: 75 Resp: 79347

Ion Ratio Lower Upper

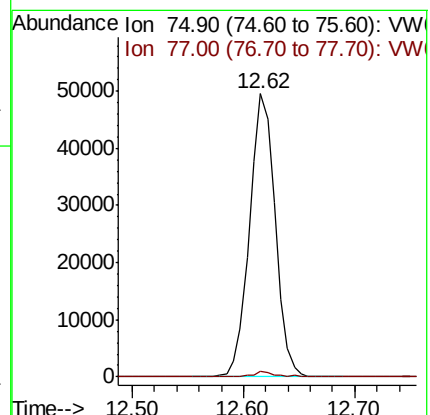
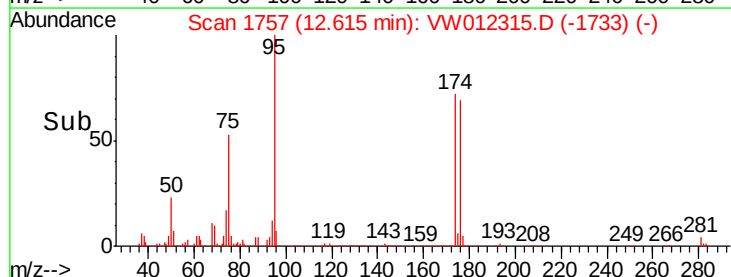
75 100

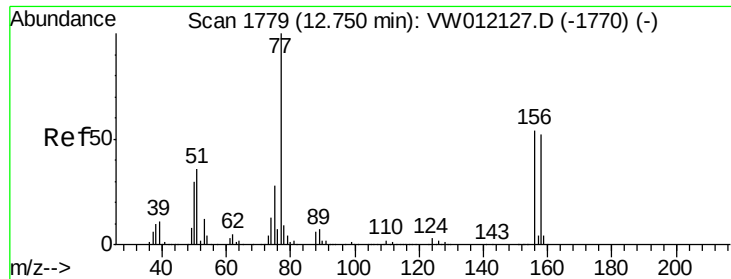
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.807 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

Instrument :

MSVOA_W

ClientSampleId :

SB-16-9.5-10.0

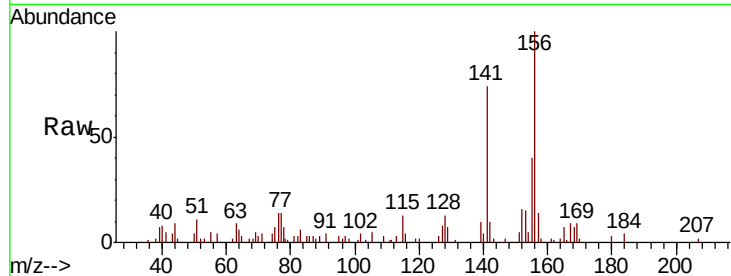
Tgt Ion:156 Resp: 11768

Ion Ratio Lower Upper

156 100

77 25.4 107.3 321.8#

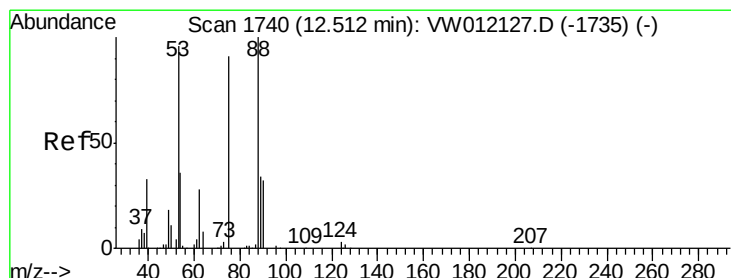
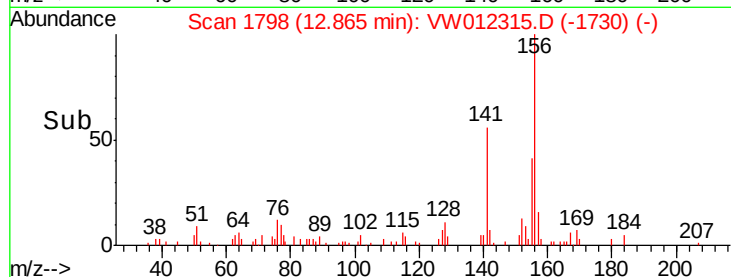
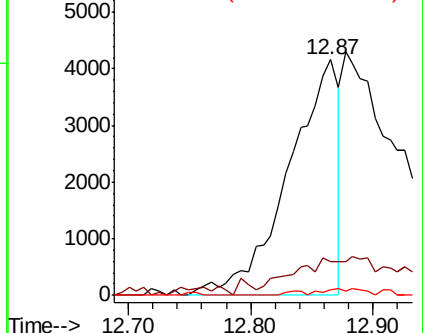
158 1.3 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.889 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012315.D

Acq: 29 Aug 2019 20:21

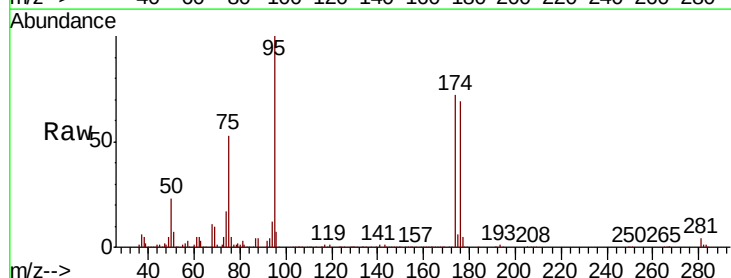
Tgt Ion: 75 Resp: 79347

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

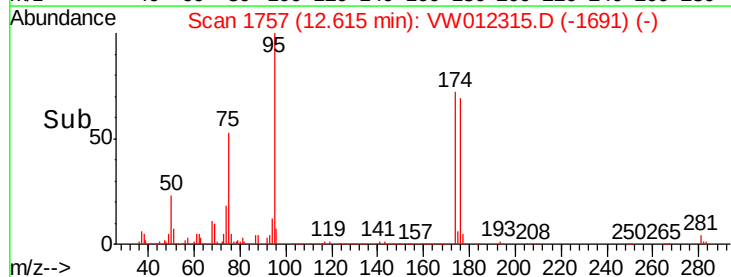
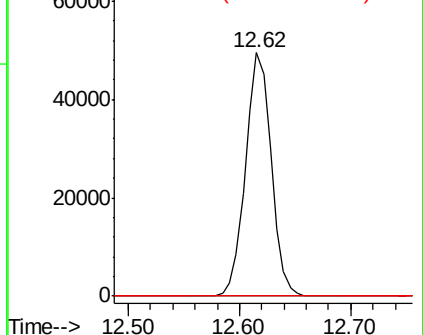
89 0.1 34.5 51.7#

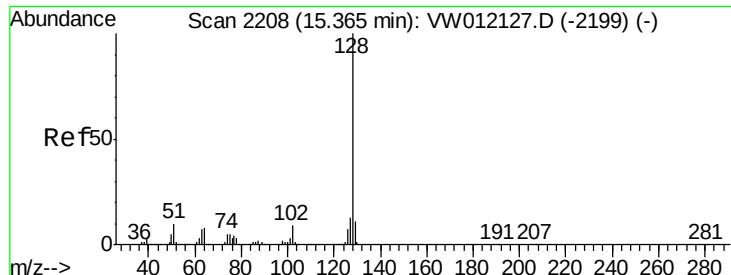


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 5.094 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012315.D
Acq: 29 Aug 2019 20:21

Instrument :
MSVOA_W
ClientSampleId :
SB-16-9.5-10.0

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.3	10.7	16.1#
129	17.0	8.7	13.1#

