

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012314.D
 Acq On : 29 Aug 2019 19:55
 Operator : SY/VA
 Sample : K4510-11
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Aug 30 06:51:33 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

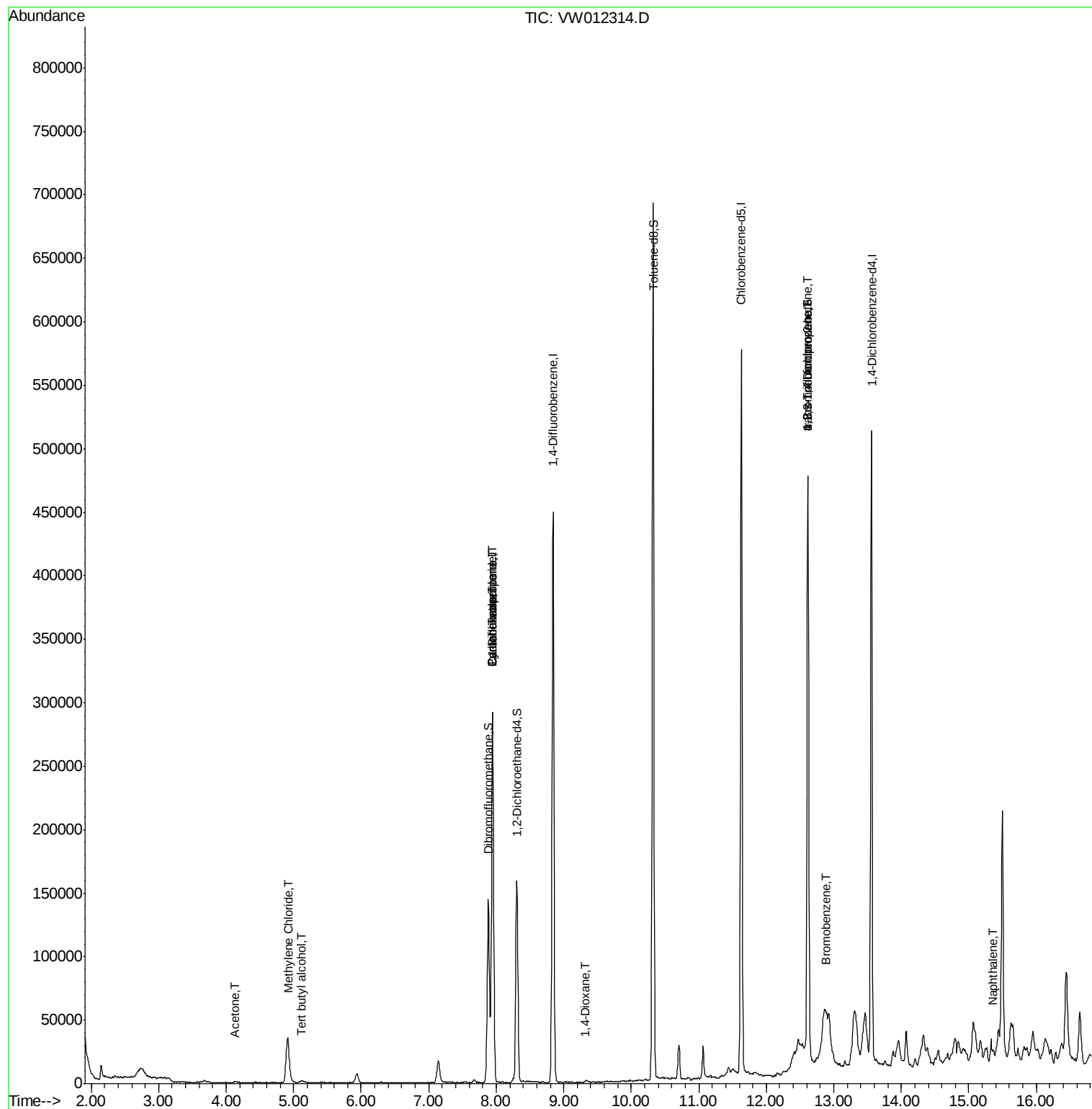
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128462	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126941	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
35) Dibromofluoromethane	7.88	113	104420	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	10.32	98	438730	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	146272	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.12	59	871	5.638	ug/l #	71
16) Acetone	4.14	43	1940	2.956	ug/l	96
20) Methylene Chloride	4.92	84	26210	10.565	ug/l	97
31) Cyclohexane	7.94	56	5353	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18736	5.088	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22060	6.921	ug/l #	16
49) 1,4-Dioxane	9.31	88	27	1.465	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	77606	62.029	ug/l #	100
77) Bromobenzene	12.88	156	53597	25.738	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	77606	136.000	ug/l #	6
95) Naphthalene	15.36	128	7085	5.657	ug/l	100

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

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Quant Title : SW846 8260
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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: VW012314.D

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MSVOA_W

ClientSampleId :

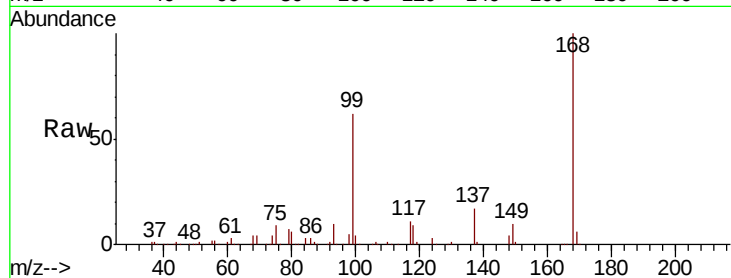
SB-13-6.5-7.0

Tgt Ion: 168 Resp: 215965

Ion Ratio Lower Upper

168 100

99 62.3 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

80000

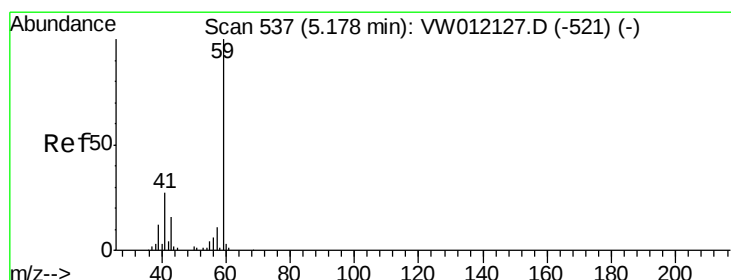
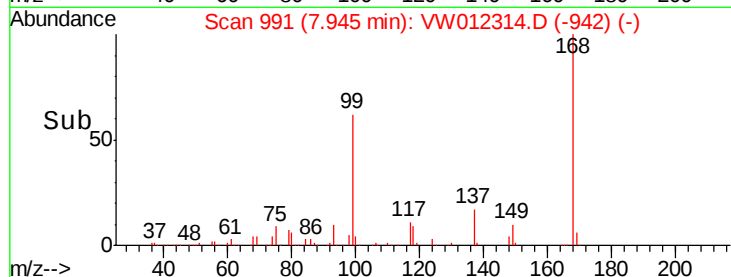
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.638 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.06 min

Lab File: VW012314.D

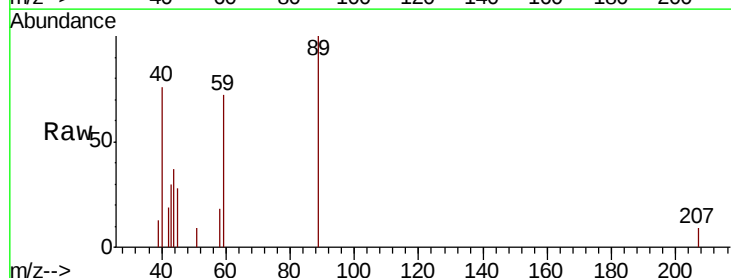
Acq: 29 Aug 2019 19:55

Tgt Ion: 59 Resp: 871

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

5.12

500

400

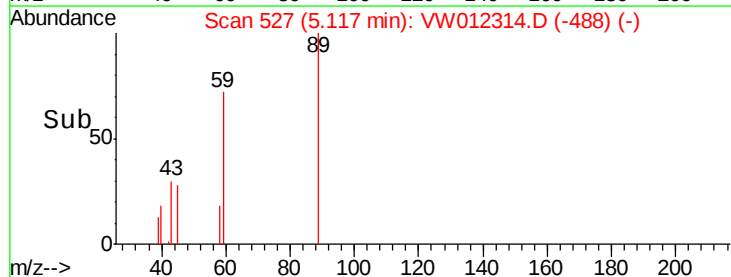
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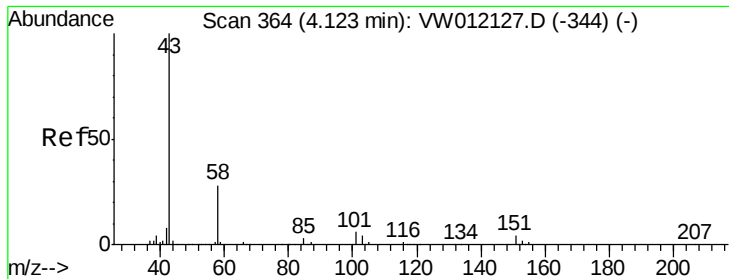
200

100

0

Time-->





#16

Acetone

Concen: 2.956 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012314.D

Acq: 29 Aug 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

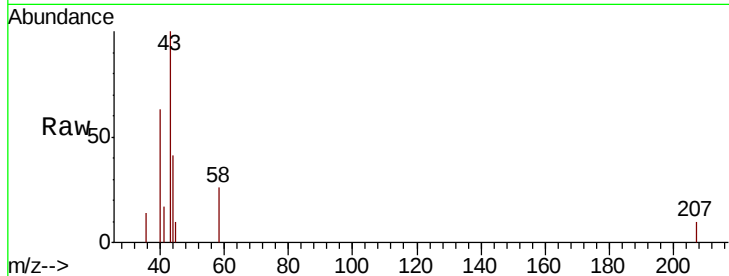
SB-13-6.5-7.0

Tgt Ion: 43 Resp: 1940

Ion Ratio Lower Upper

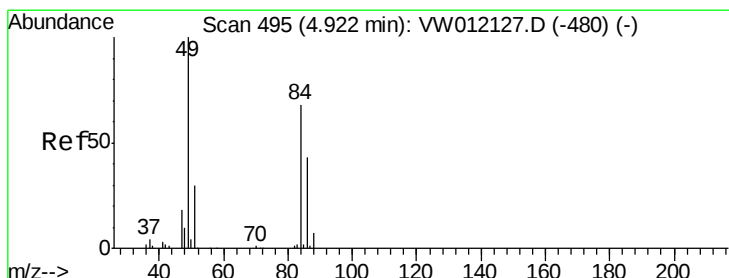
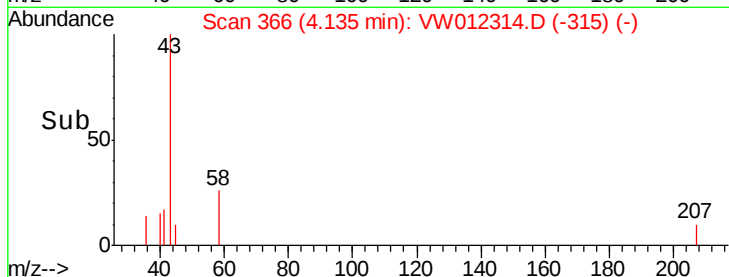
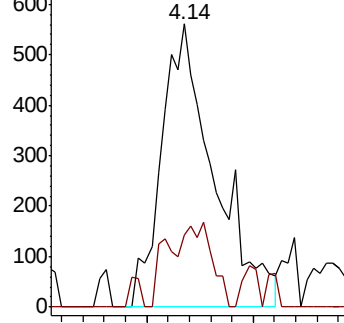
43 100

58 25.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 10.565 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012314.D

Acq: 29 Aug 2019 19:55

Tgt Ion: 84 Resp: 26210

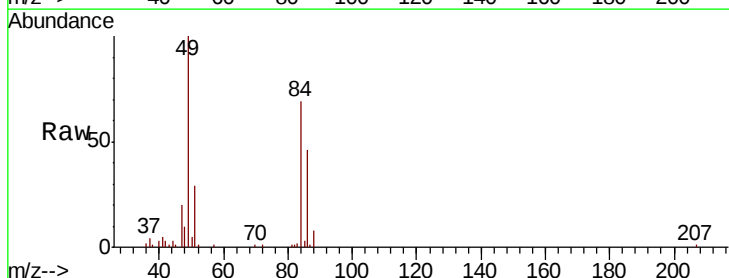
Ion Ratio Lower Upper

84 100

49 144.1 117.8 176.8

51 41.9 35.6 53.4

86 66.9 51.2 76.8

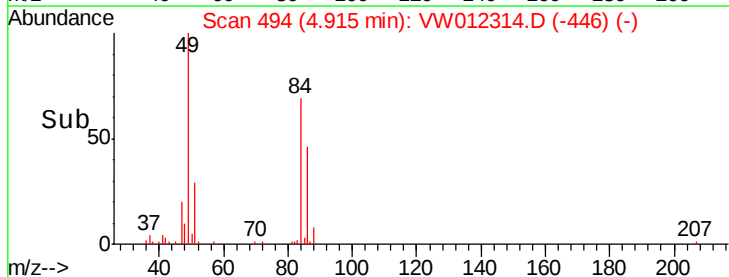
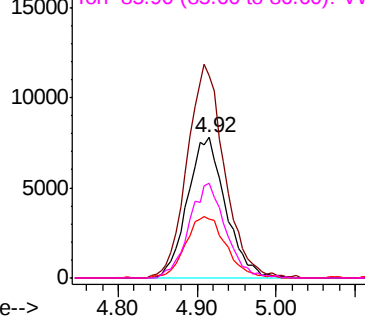


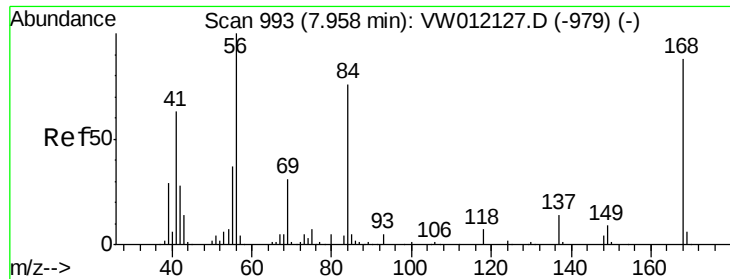
Abundance Ion 83.90 (83.60 to 84.60): VW

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

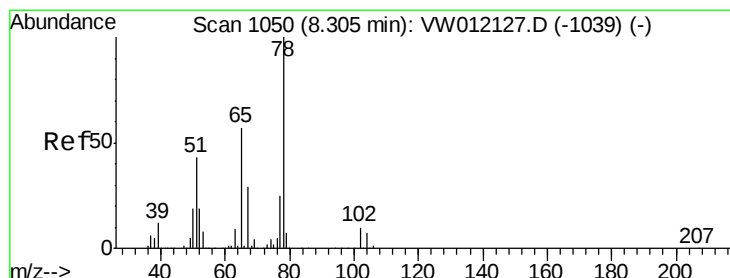
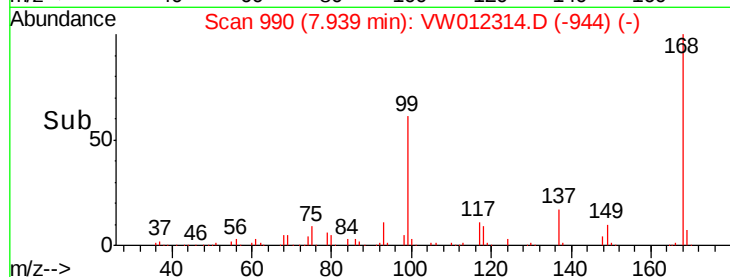
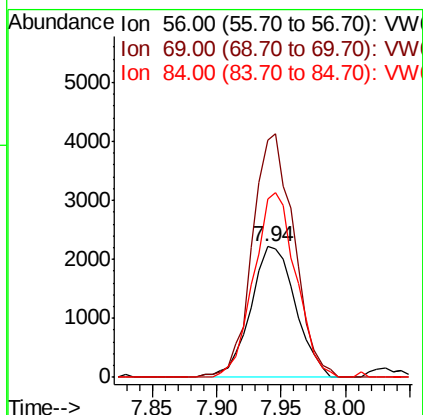
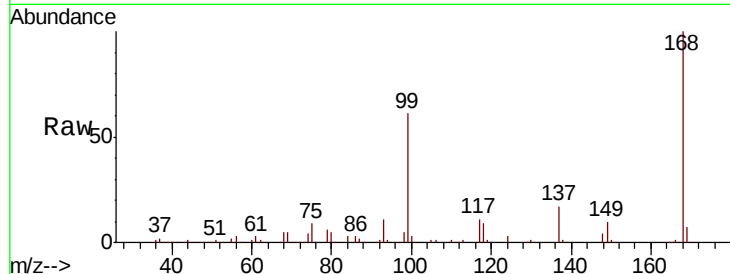




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012314.D
Acq: 29 Aug 2019 19:55

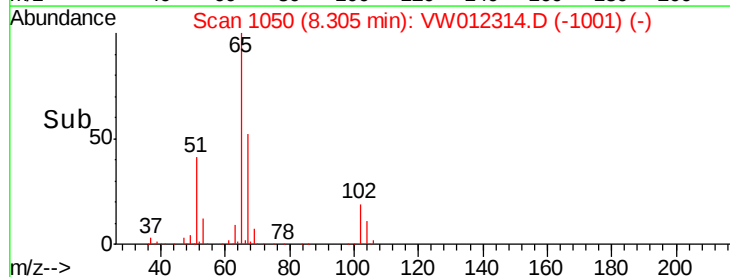
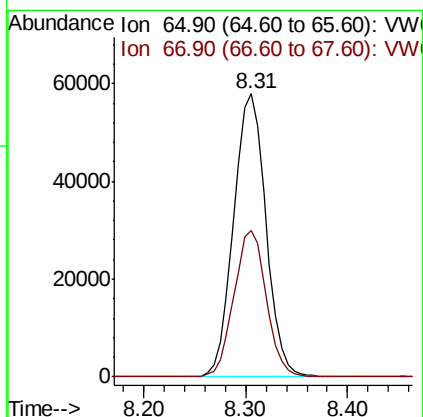
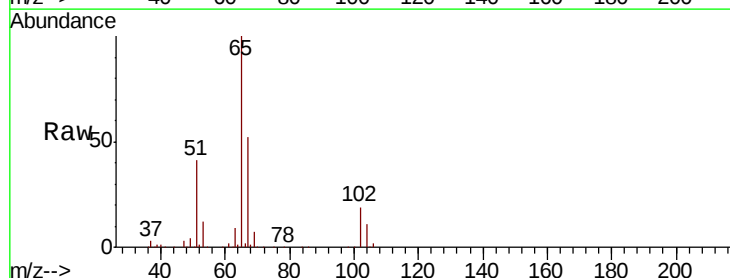
Instrument :
MSVOA_W
ClientSampleId :
SB-13-6.5-7.0

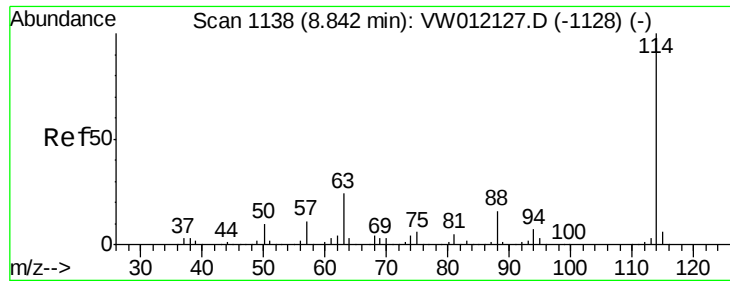
Tgt Ion: 56 Resp: 5353
Ion Ratio Lower Upper
56 100
69 181.1 24.9 37.3#
84 136.3 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 49.445 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012314.D
Acq: 29 Aug 2019 19:55

Tgt Ion: 65 Resp: 126941
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6

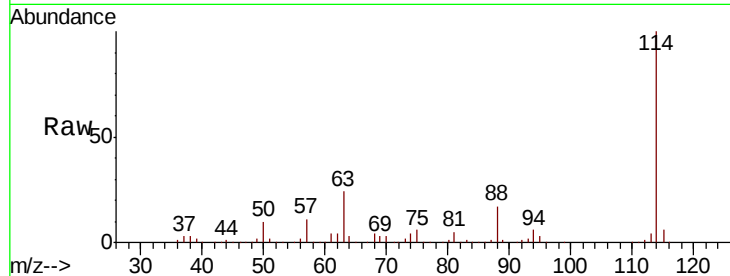




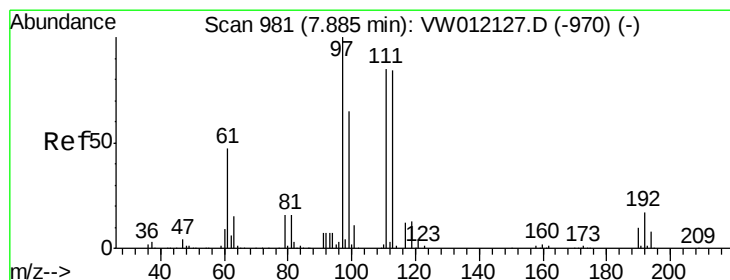
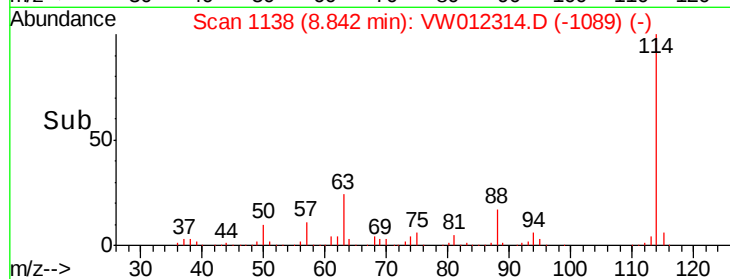
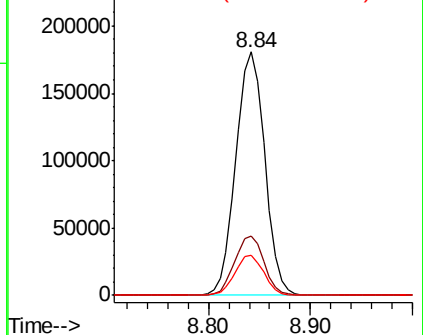
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012314.D
 Acq: 29 Aug 2019 19:55

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

Tgt Ion:114 Resp: 356344
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.6 0.0 32.2

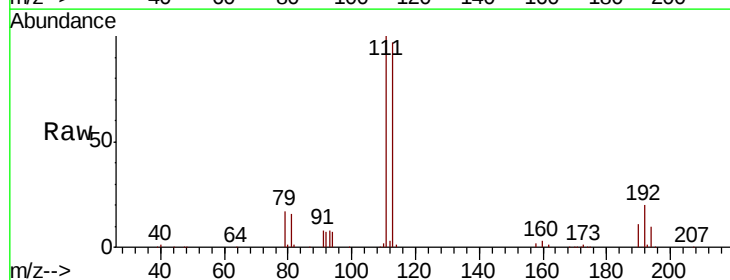


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

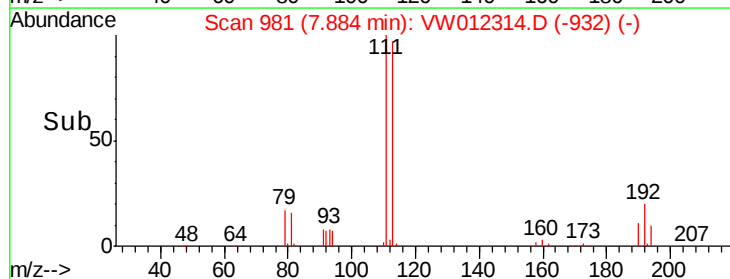
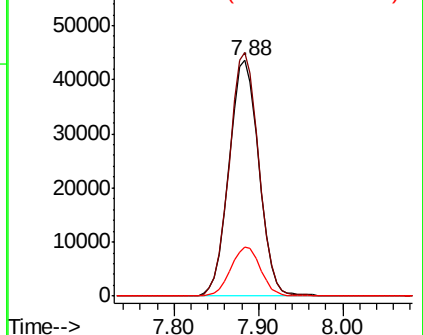


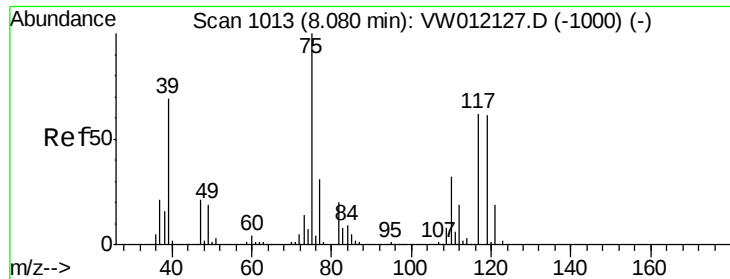
#35
 Dibromofluoromethane
 Concen: 49.092 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012314.D
 Acq: 29 Aug 2019 19:55

Tgt Ion:113 Resp: 104420
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.7 124.1
 192 20.6 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

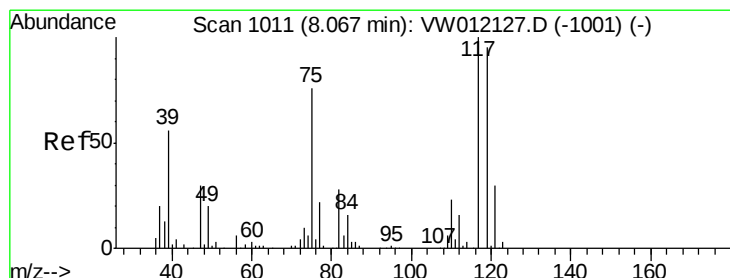
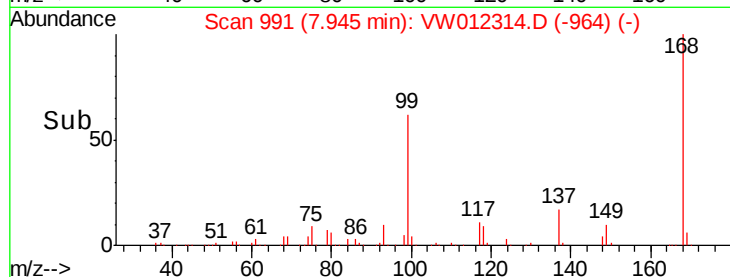
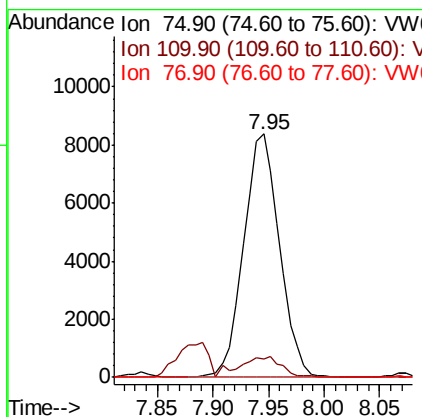
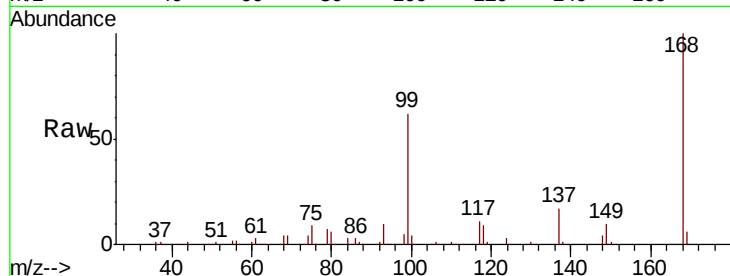




#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012314.D
 Acq: 29 Aug 2019 19:55

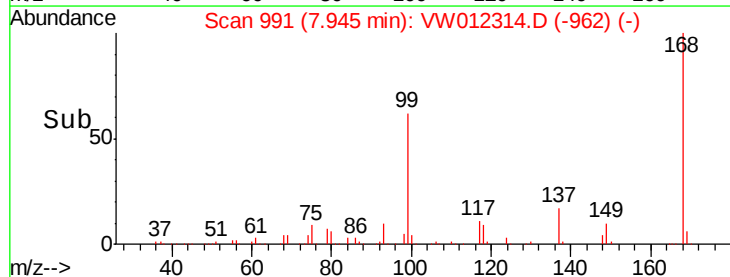
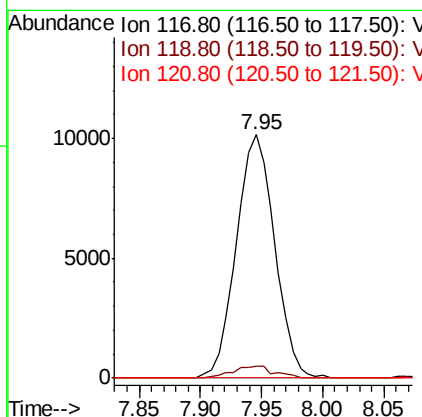
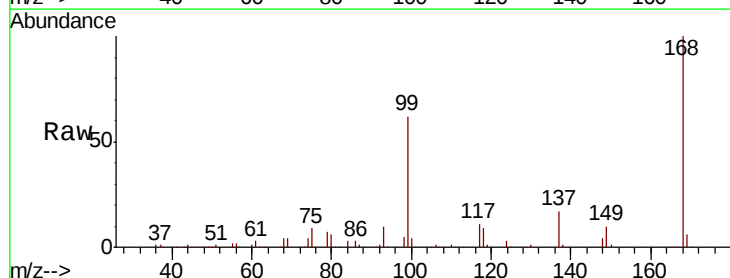
Instrument :
 MSVOA_W
 ClientSampled :
 SB-13-6.5-7.0

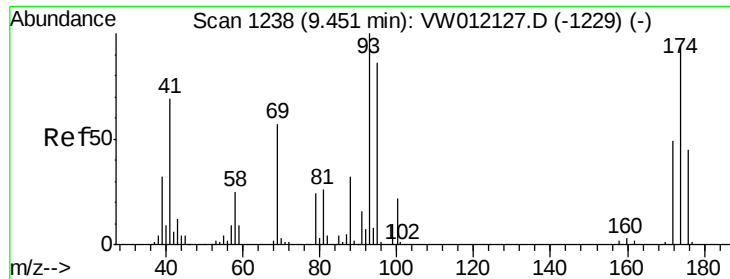
Tgt Ion: 75 Resp: 18736
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.921 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012314.D
 Acq: 29 Aug 2019 19:55

Tgt Ion: 117 Resp: 22060
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.465 ug/l

RT: 9.31 min Scan# 1215

Delta R.T. -0.14 min

Lab File: VW012314.D

Acq: 29 Aug 2019 19:55

Instrument :

MSVOA_W

ClientSampled :

SB-13-6.5-7.0

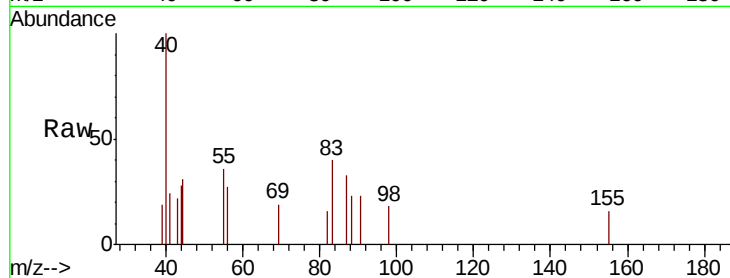
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

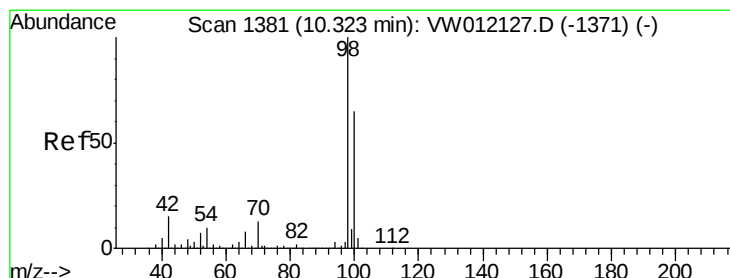
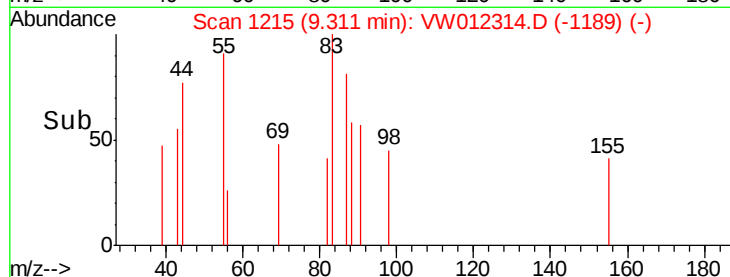
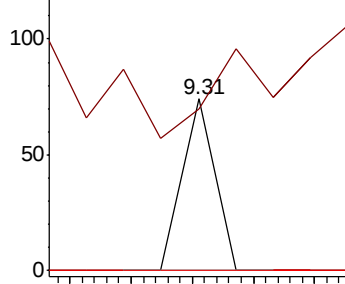
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.870 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012314.D

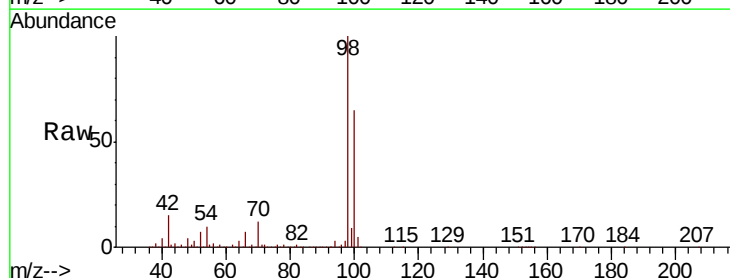
Acq: 29 Aug 2019 19:55

Tgt Ion: 98 Resp: 438730

Ion Ratio Lower Upper

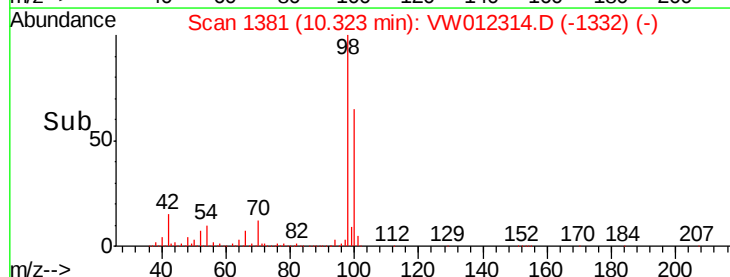
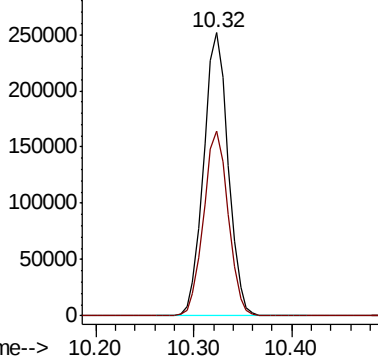
98 100

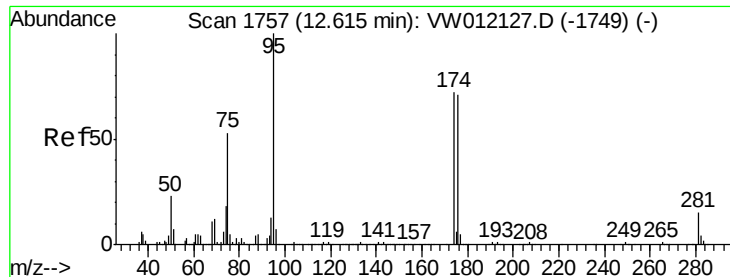
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

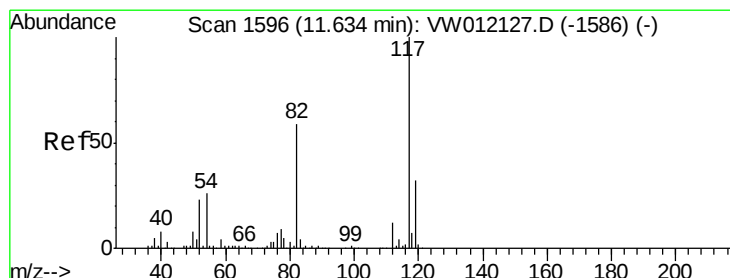
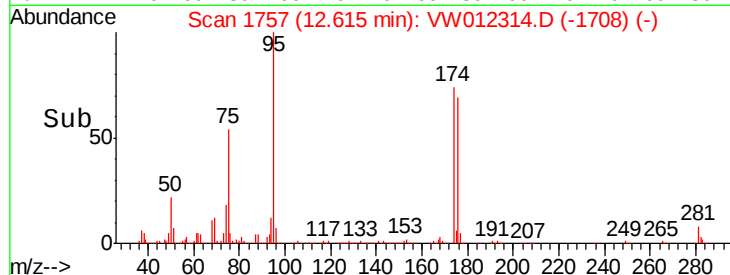
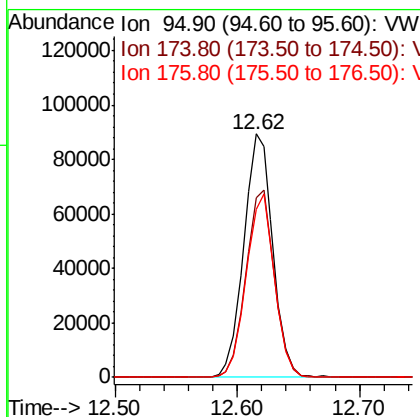
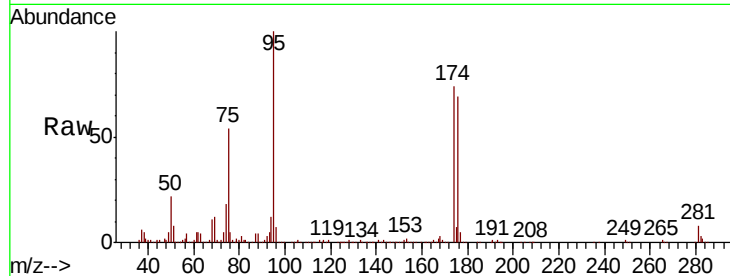




#62
4-Bromofluorobenzene
Concen: 48.114 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012314.D
Acq: 29 Aug 2019 19:55

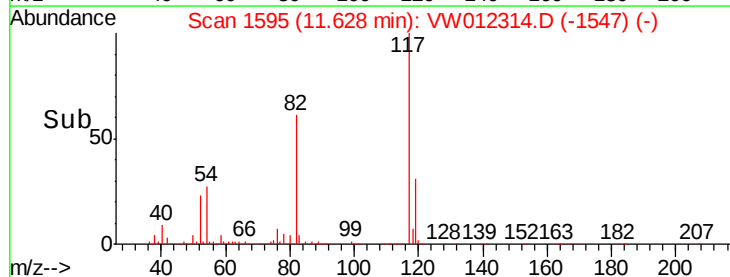
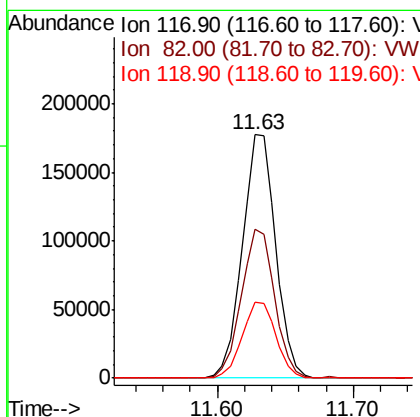
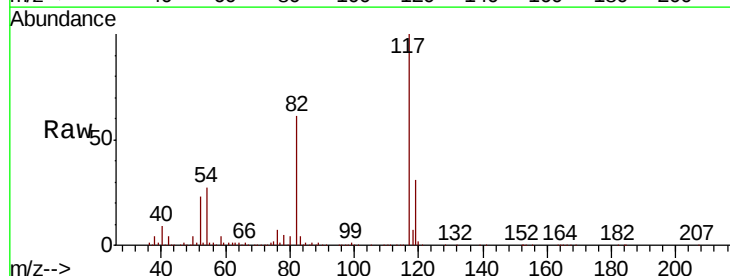
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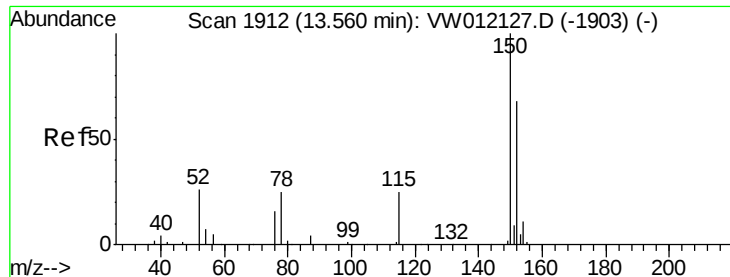
Tgt Ion: 95 Resp: 146272
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.8
176 74.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012314.D
Acq: 29 Aug 2019 19:55

Tgt Ion: 117 Resp: 303870
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 31.3 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: VW012314.D

Acq: 29 Aug 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

SB-13-6.5-7.0

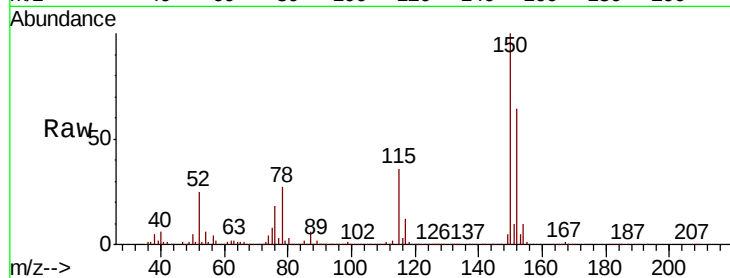
Tgt Ion:152 Resp: 128462

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.3

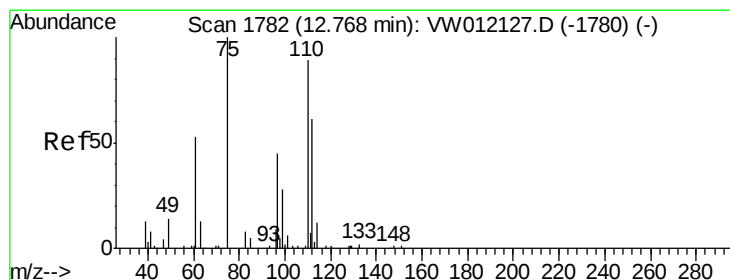
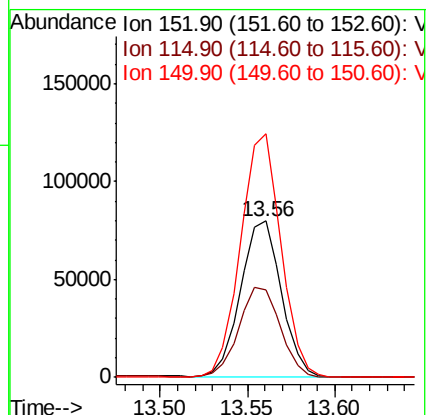
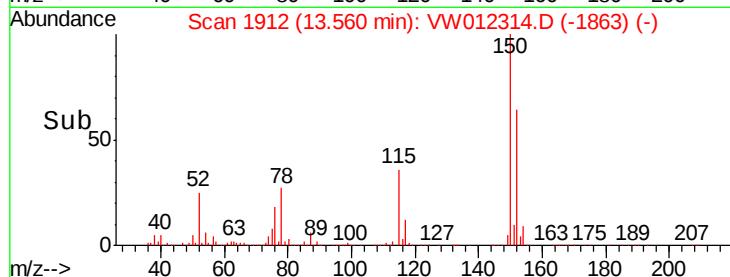
150 155.0 0.0 345.8



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: 62.029 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012314.D

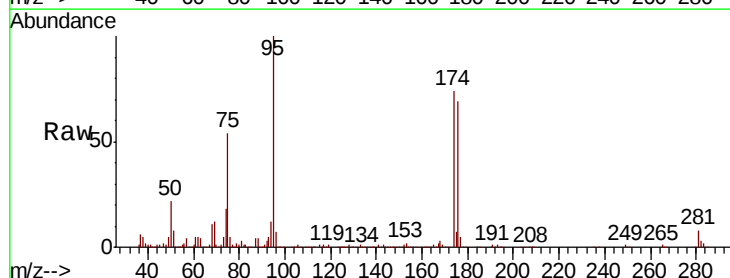
Acq: 29 Aug 2019 19:55

Tgt Ion: 75 Resp: 77606

Ion Ratio Lower Upper

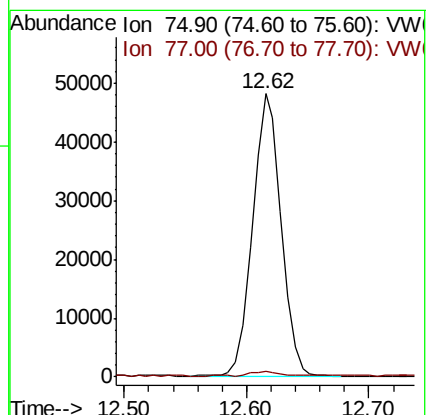
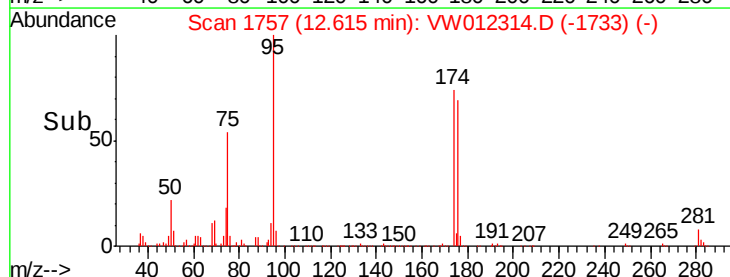
75 100

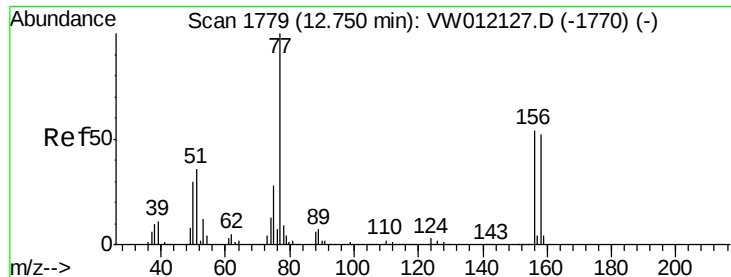
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 25.738 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. 0.13 min

Lab File: VW012314.D

Acq: 29 Aug 2019 19:55

Instrument :

MSVOA_W

ClientSampled :

SB-13-6.5-7.0

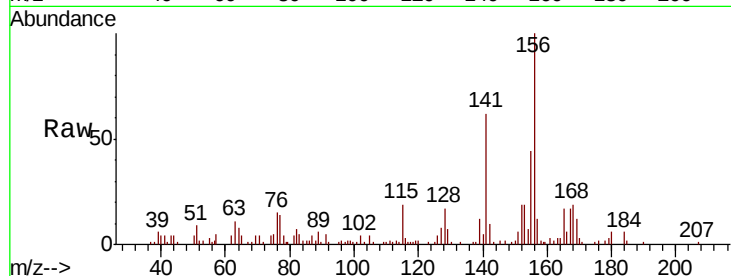
Tgt Ion:156 Resp: 53597

Ion Ratio Lower Upper

156 100

77 9.4 107.3 321.8#

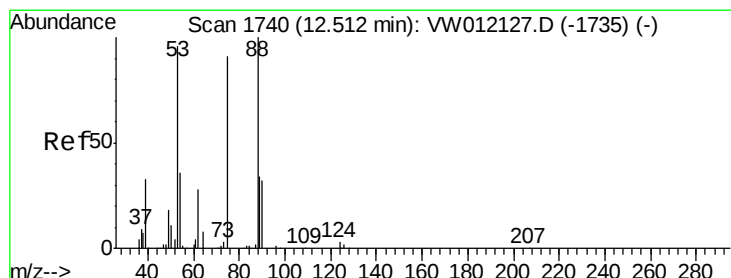
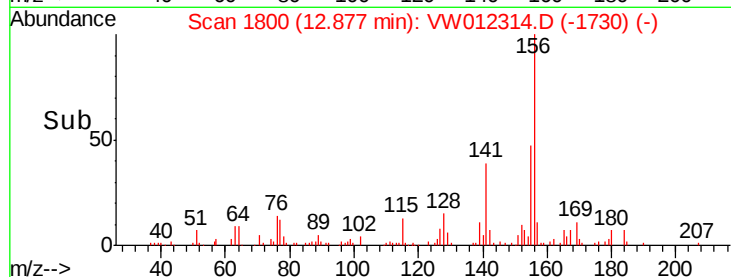
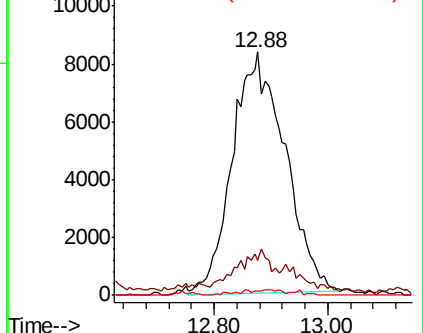
158 0.0 49.0 147.0#



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: 136.000 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012314.D

Acq: 29 Aug 2019 19:55

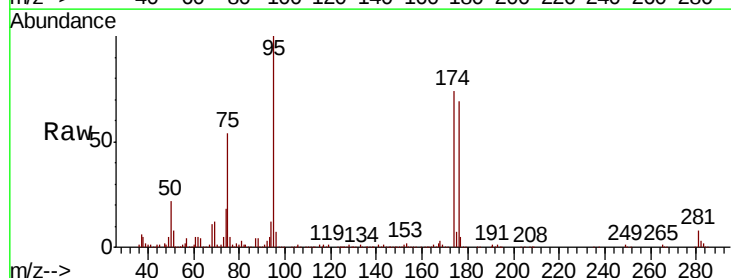
Tgt Ion: 75 Resp: 77606

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

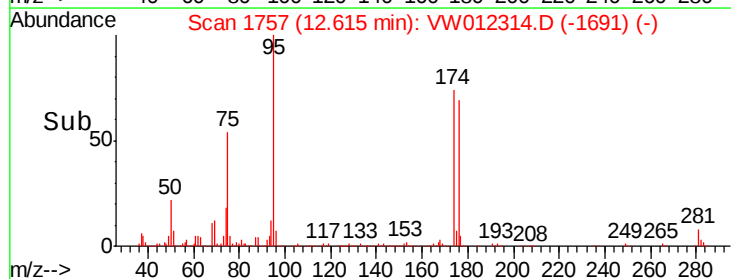
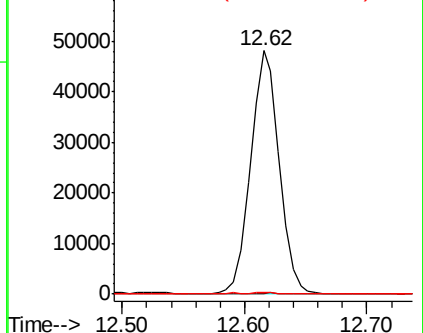
89 0.3 34.5 51.7#

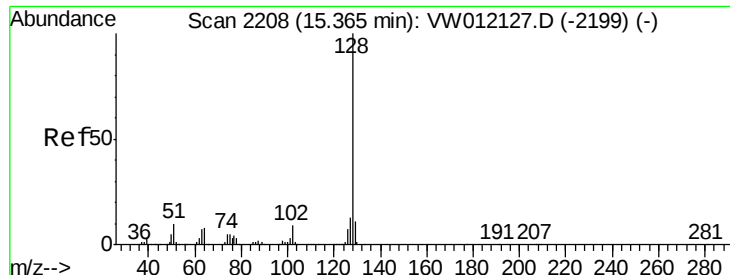


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

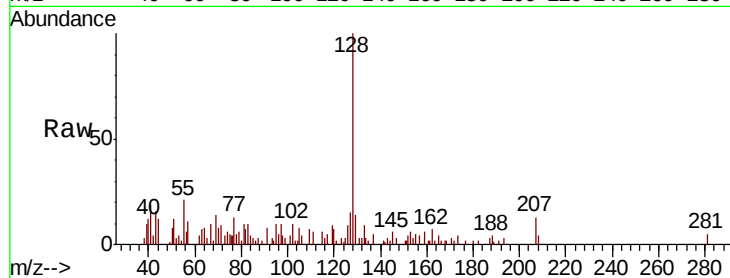




#95
Naphthalene
Concen: 5.657 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012314.D
Acq: 29 Aug 2019 19:55

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.1	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

