

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014006.D
 Acq On : 13 Nov 2019 14:58
 Operator : SY/VA
 Sample : K5742-08RE
 Misc : 5.96G/5.0ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:55:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	436078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	173540	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	124447	59.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.96%	
35) Dibromofluoromethane	7.88	113	124445	51.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.72%	
50) Toluene-d8	10.32	98	513557	52.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.62	95	168303	50.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.68%	

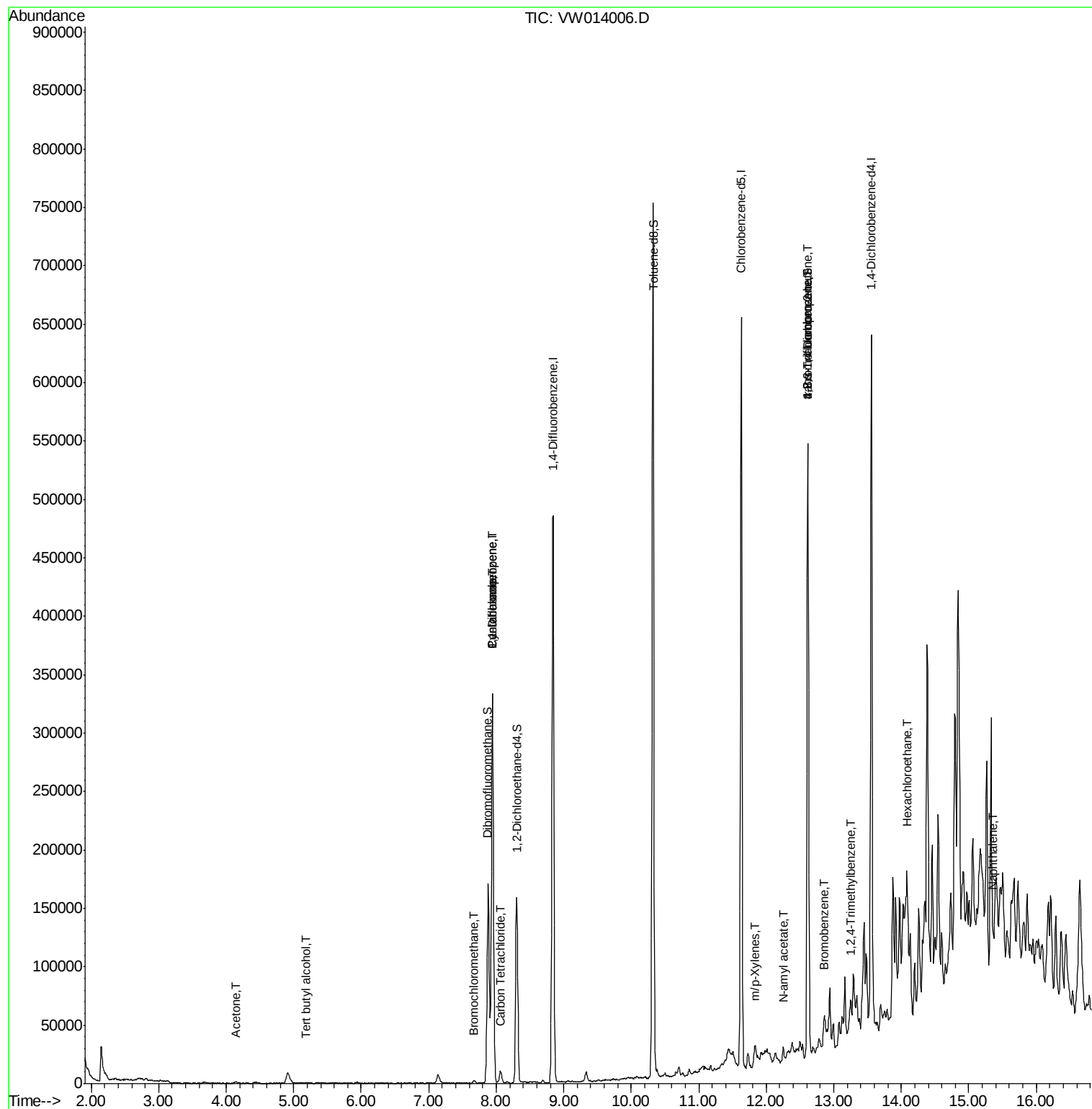
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	556	4.451	ug/l #	71
16) Acetone	4.14	43	1765	3.979	ug/l #	72
20) Methylene Chloride	4.90	84	8276	Below Cal	#	86
28) Bromochloromethane	7.67	49	76	1.387	ug/l #	7
31) Cyclohexane	7.94	56	4994	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18144	4.468	ug/l #	49
38) Carbon Tetrachloride	8.06	117	7796	2.132	ug/l #	82
68) m/p-Xylenes	11.83	106	7109	1.314	ug/l	97
74) N-amyl acetate	12.26	43	2644	1.097	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	80033	64.219	ug/l #	100
77) Bromobenzene	12.86	156	28390	9.536	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	80033	121.364	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.25	105	16557	1.595	ug/l	91
90) Hexachloroethane	14.10	117	2363	1.143	ug/l #	4
95) Naphthalene	15.36	128	6114	1.071	ug/l #	79

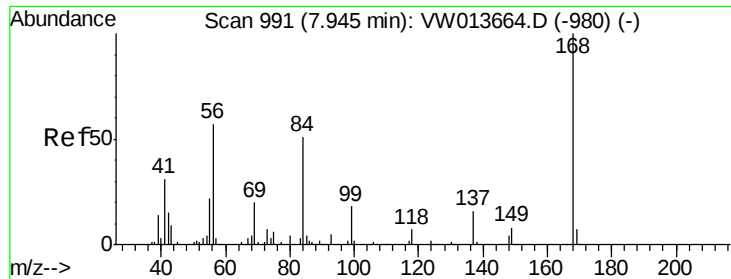
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:11:46 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: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :

MSVOA_W

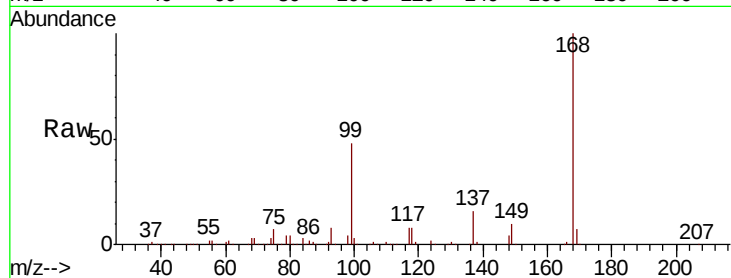
ClientSampleId :

Tot Ion:168 Resp: 278909

Ion Ratio Lower Upper

168 100

99 48.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

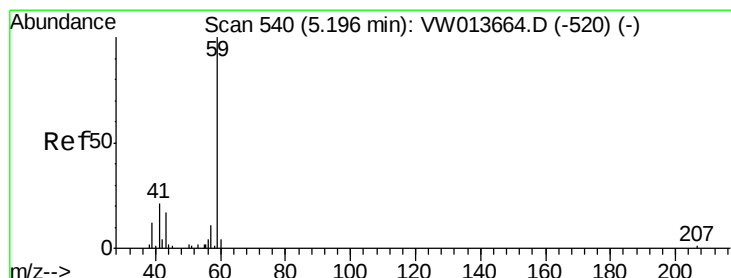
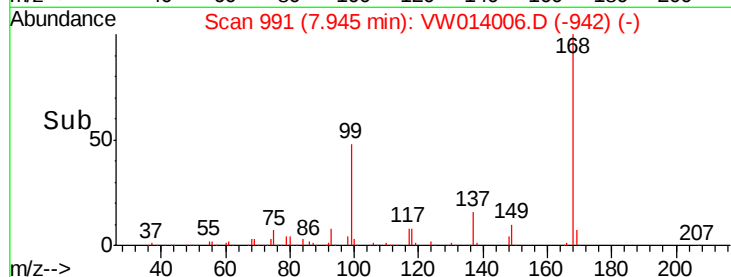
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 4.451 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.01 min

Lab File: VW014006.D

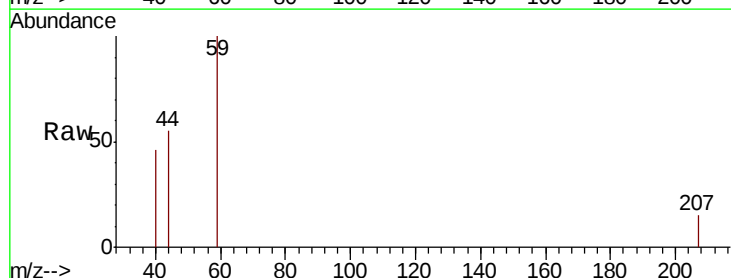
Acq: 13 Nov 2019 14:58

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

400

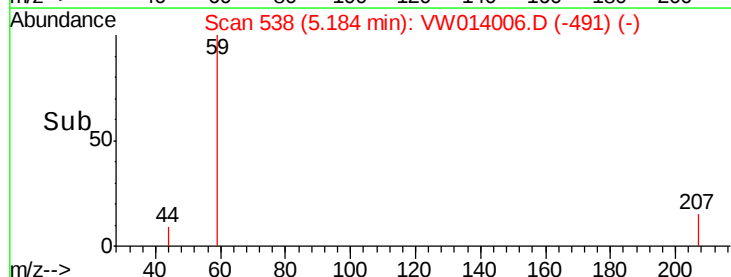
300

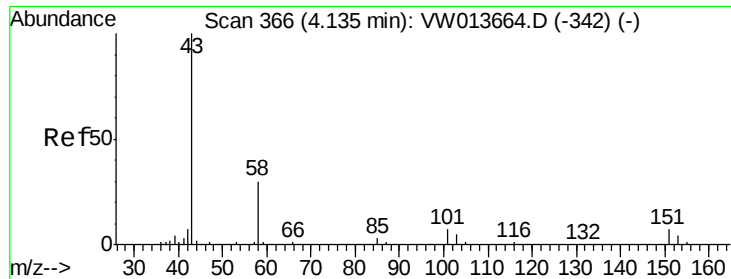
200

100

0

Time--> 5.14 5.16 5.18 5.20 5.22





#16

Acetone

Concen: 3.979 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :

MSVOA_W

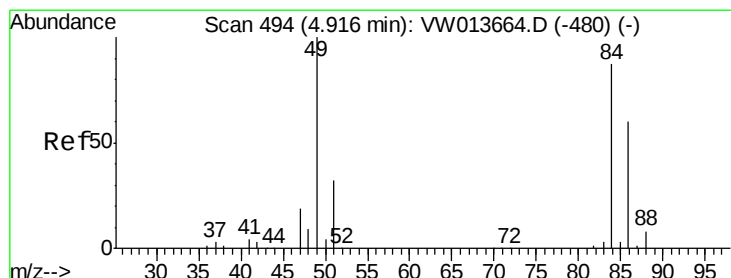
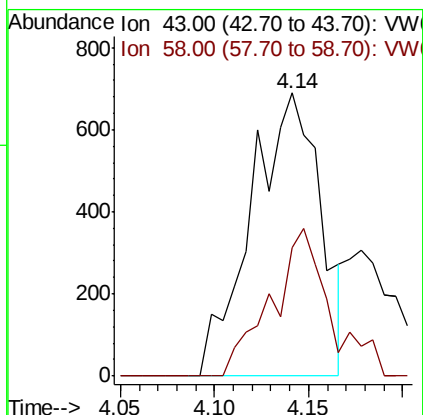
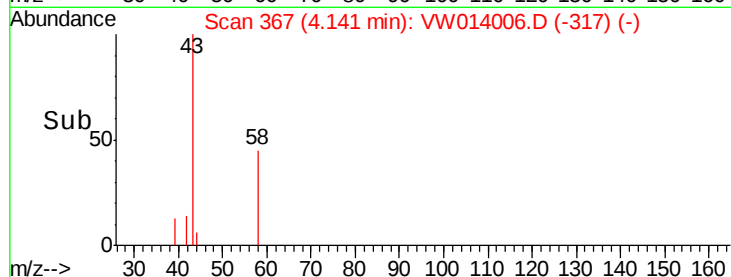
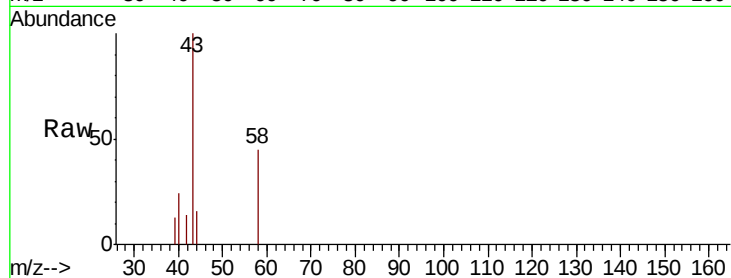
ClientSampled :

Tot Ion: 43 Resp: 1765

Ion Ratio Lower Upper

43 100

58 45.4 24.1 36.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Tgt Ion: 84 Resp: 8276

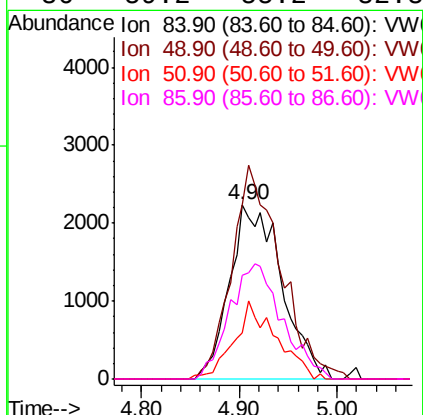
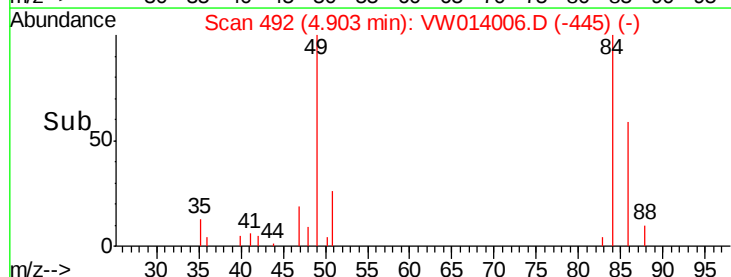
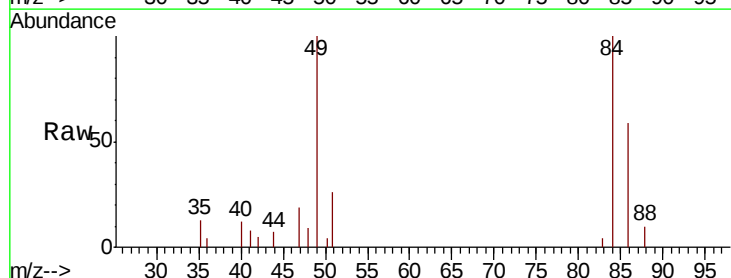
Ion Ratio Lower Upper

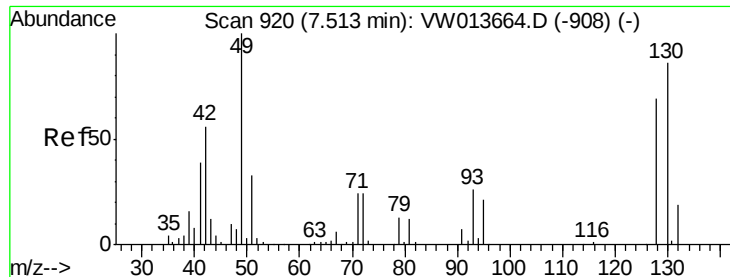
84 100

49 100.2 91.8 137.6

51 26.4 29.8 44.6#

86 59.2 55.2 82.8





#28

Bromochloromethane

Concen: 1.387 ug/l

RT: 7.67 min Scan# 945

Delta R.T. 0.15 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :
MSVOA_W
ClientSampled :

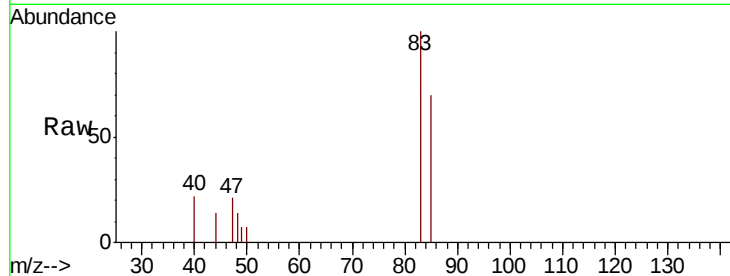
Tot Ion: 49 Resp: 76

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

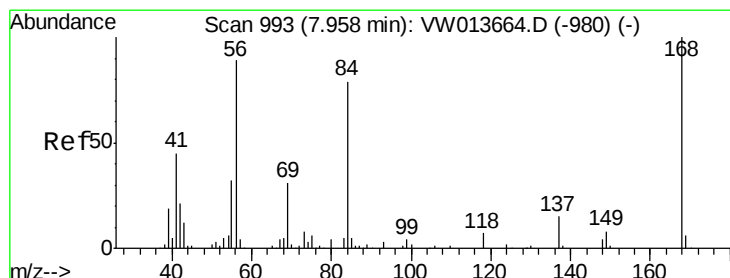
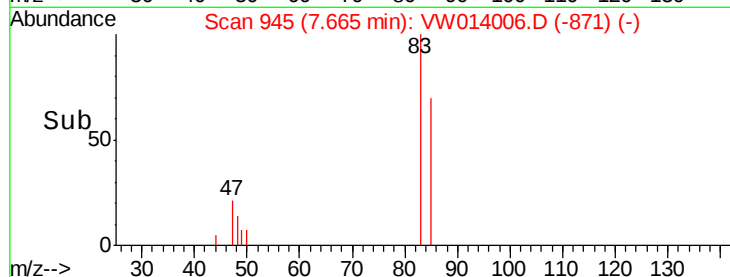
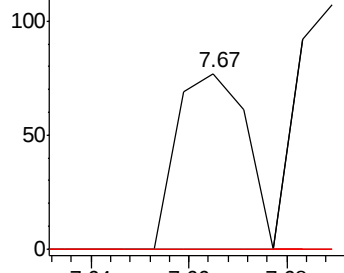
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

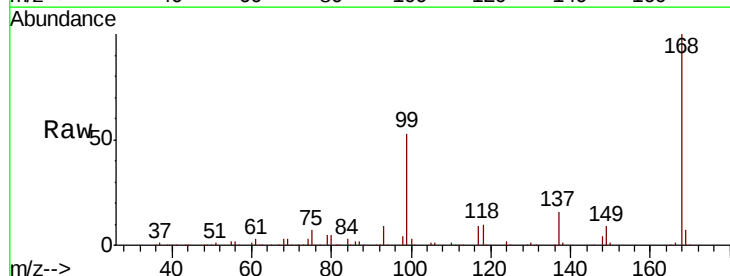
Tgt Ion: 56 Resp: 4994

Ion Ratio Lower Upper

56 100

69 170.2 27.5 41.3#

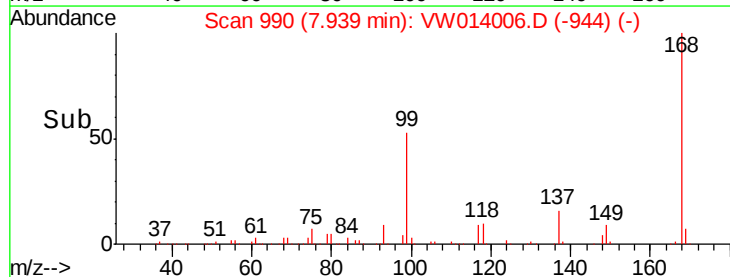
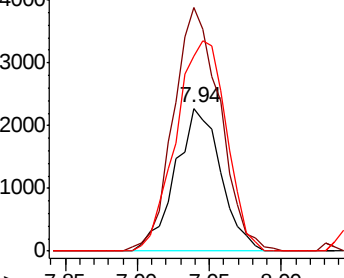
84 136.1 70.8 106.2#

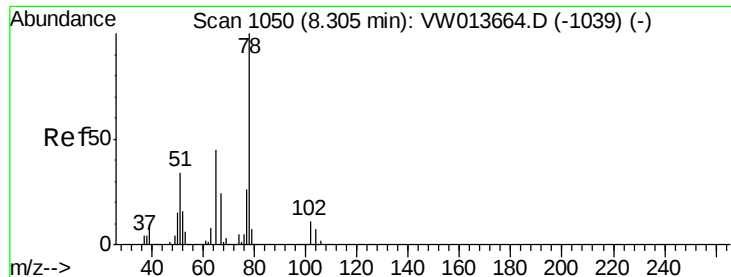


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

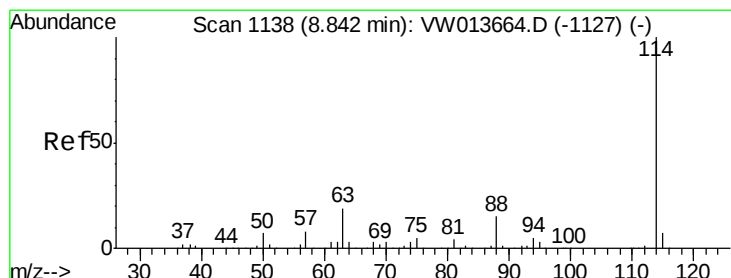
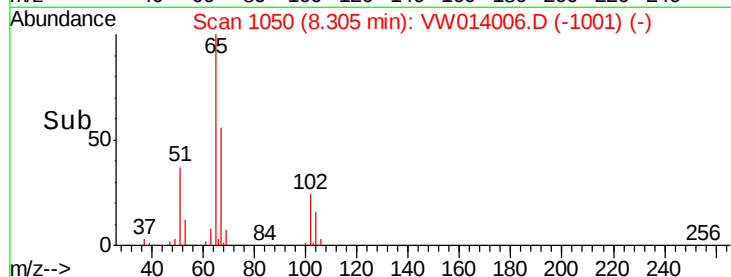
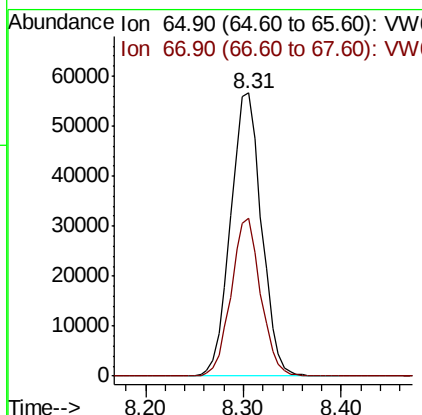
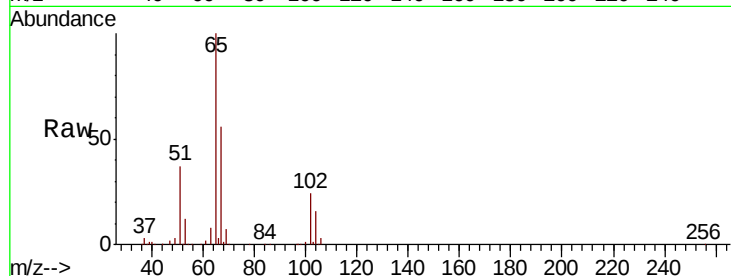




#33
 1,2-Dichloroethane-d4
 Concen: 59.479 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014006.D
 Acq: 13 Nov 2019 14:58

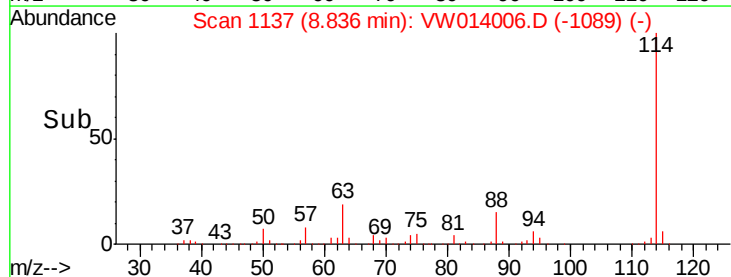
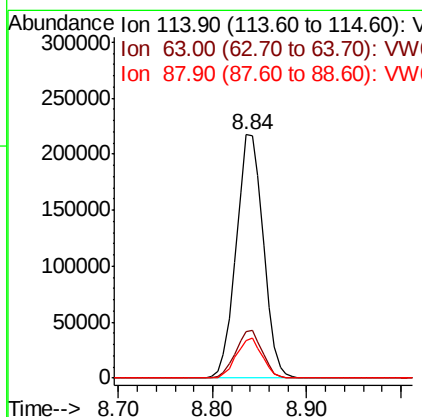
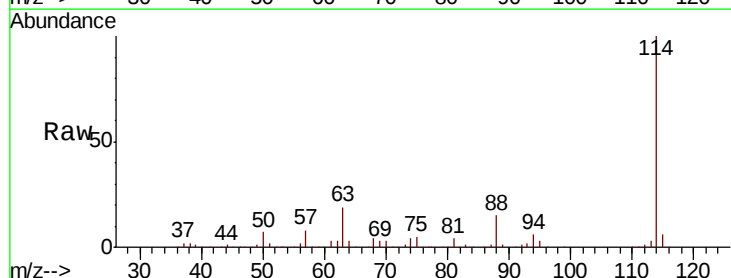
Instrument :
 MSVOA_W
 ClientSampleId :

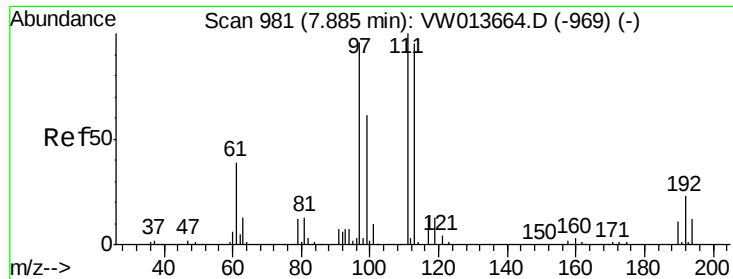
Tot Ion: 65 Resp: 124447
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014006.D
 Acq: 13 Nov 2019 14:58

Tgt Ion: 114 Resp: 436078
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

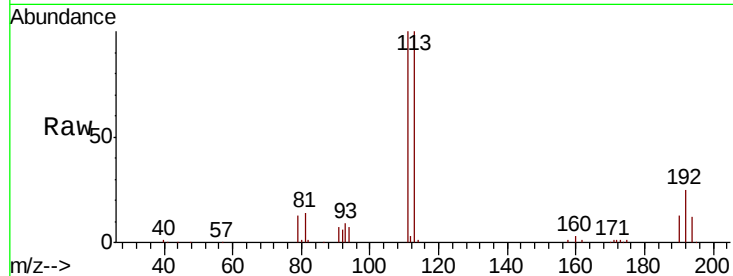
Tot Ion:113 Resp: 124445

Ion Ratio Lower Upper

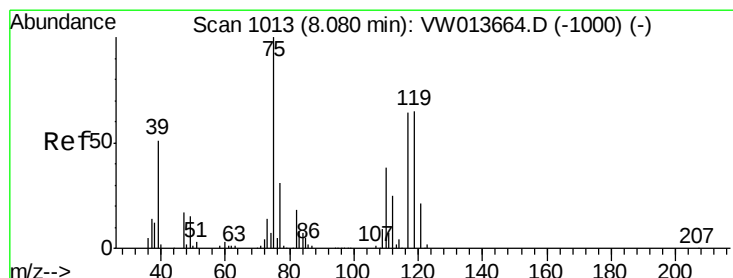
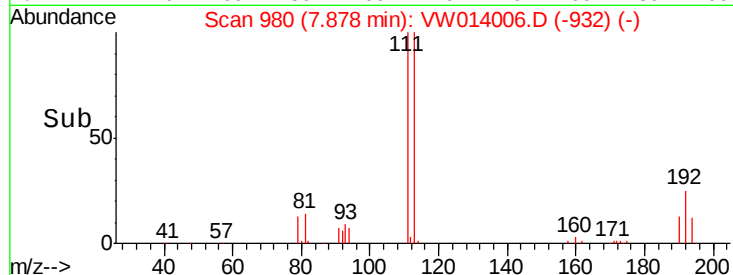
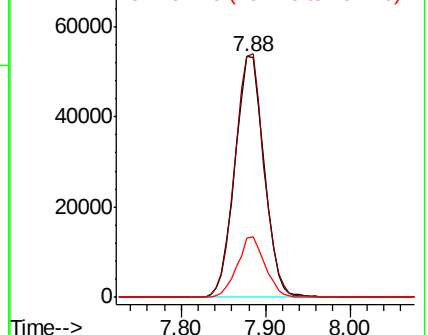
113 100

111 101.0 83.0 124.6

192 23.8 19.4 29.2



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: 4.468 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

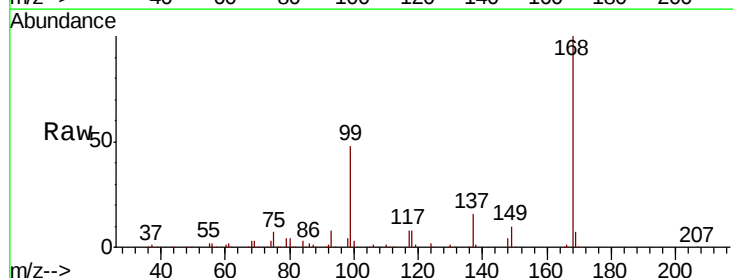
Tgt Ion: 75 Resp: 18144

Ion Ratio Lower Upper

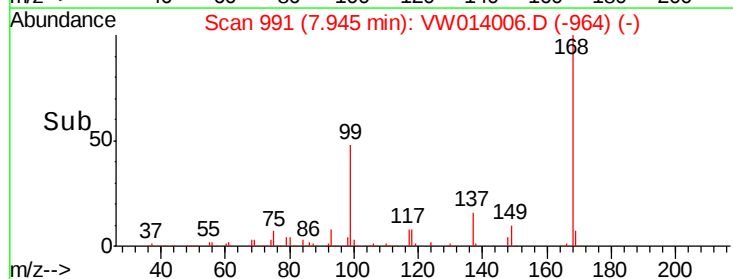
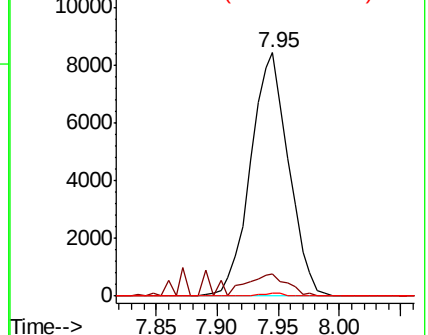
75 100

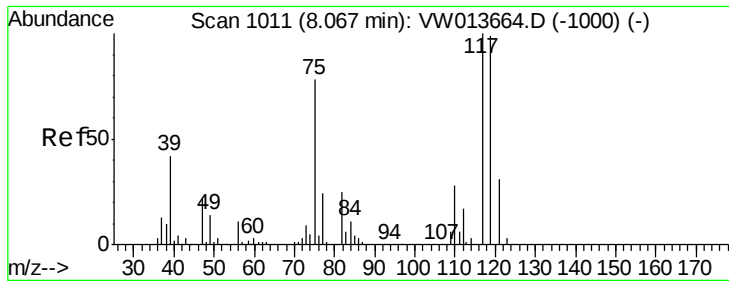
110 9.8 18.7 56.1#

77 0.6 25.4 38.0#



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

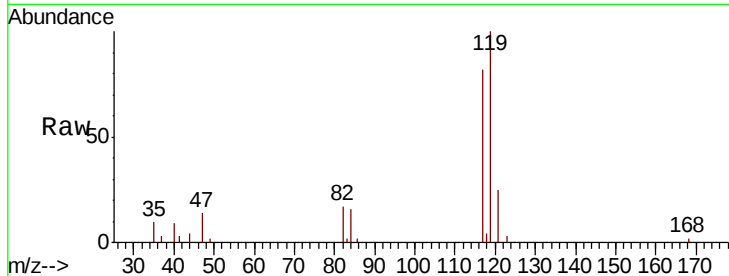




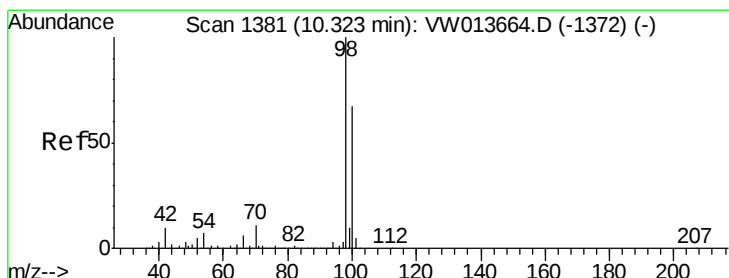
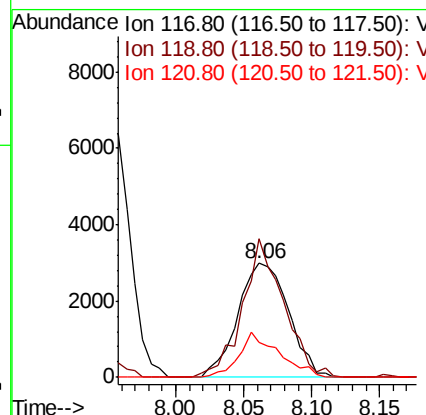
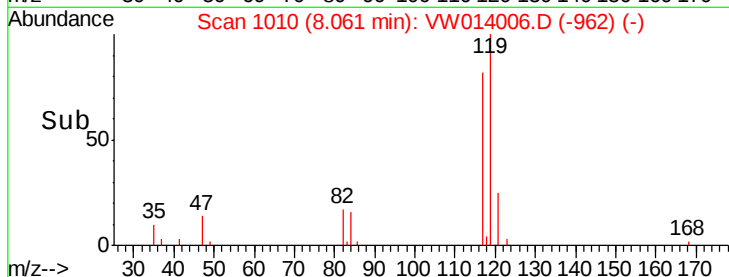
#38
Carbon Tetrachloride
Concen: 2.132 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014006.D
Acq: 13 Nov 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 7796
Ion Ratio Lower Upper
117 100
119 121.9 79.0 118.4#
121 30.9 24.5 36.7

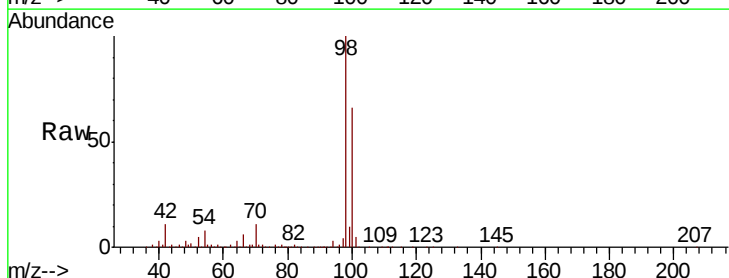


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

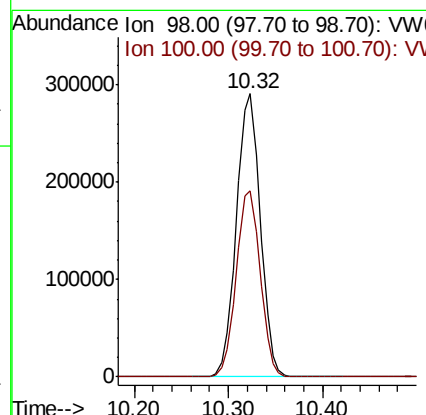
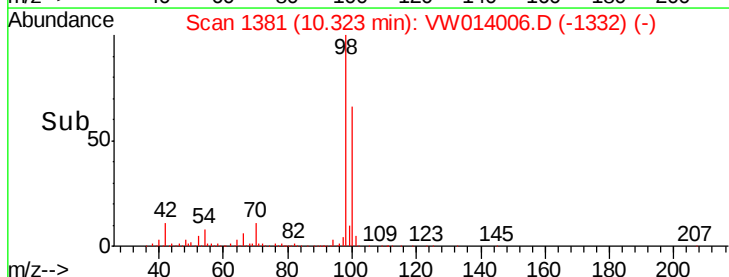


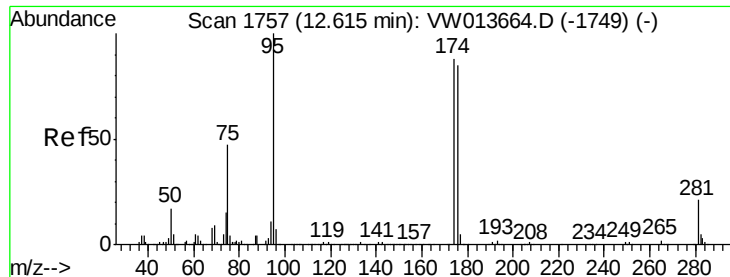
#50
Toluene-d8
Concen: 52.014 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014006.D
Acq: 13 Nov 2019 14:58

Tgt Ion: 98 Resp: 513557
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



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





#62

4-Bromofluorobenzene

Concen: 50.342 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

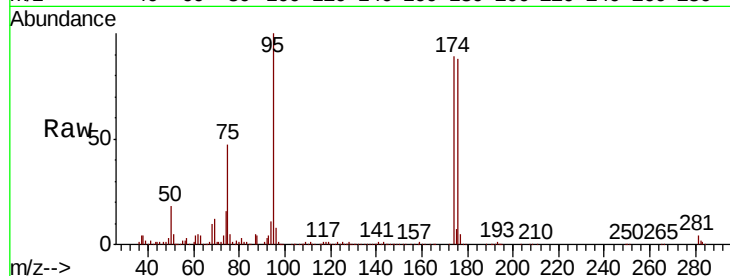
Tot Ion: 95 Resp: 168303

Ion Ratio Lower Upper

95 100

174 89.3 0.0 183.6

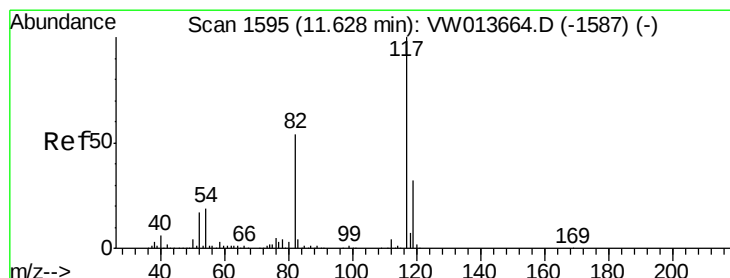
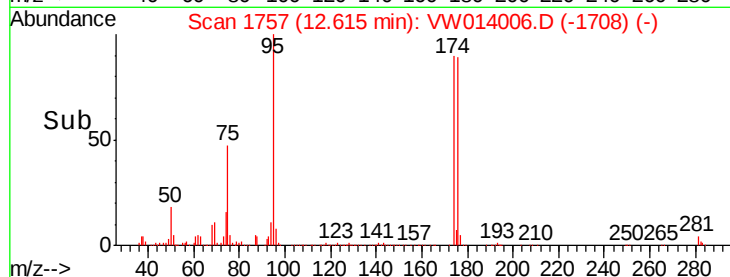
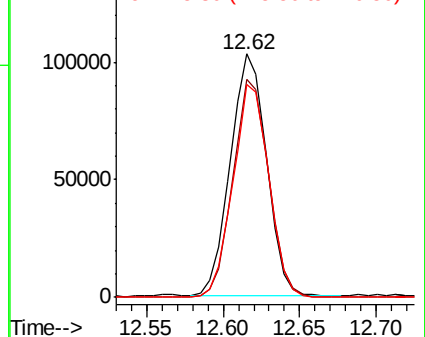
176 87.6 0.0 178.0



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# 1595

Delta R.T. -0.00 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

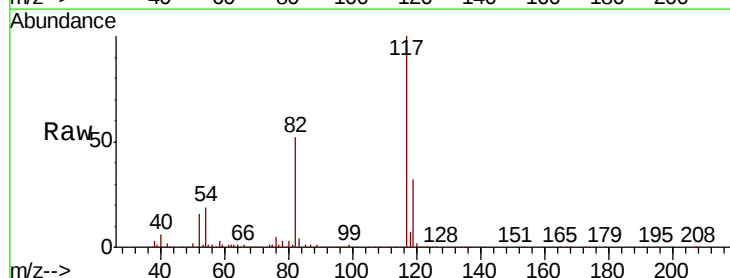
Tgt Ion: 117 Resp: 378032

Ion Ratio Lower Upper

117 100

82 52.3 43.6 65.4

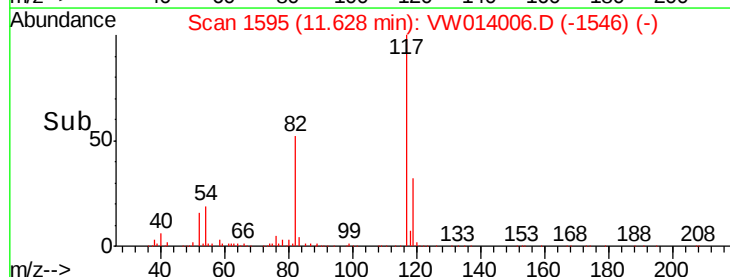
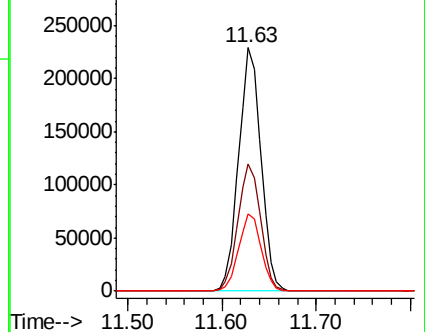
119 31.8 25.4 38.2

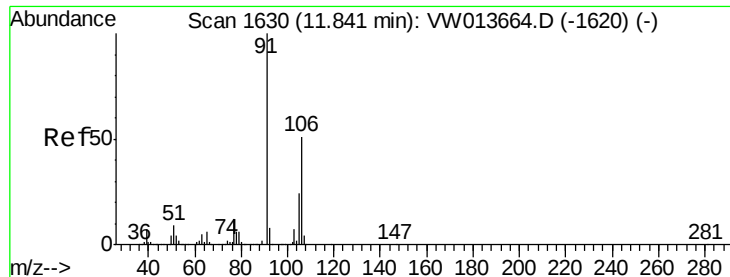


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

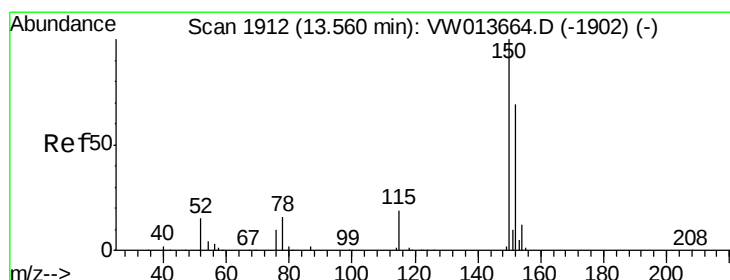
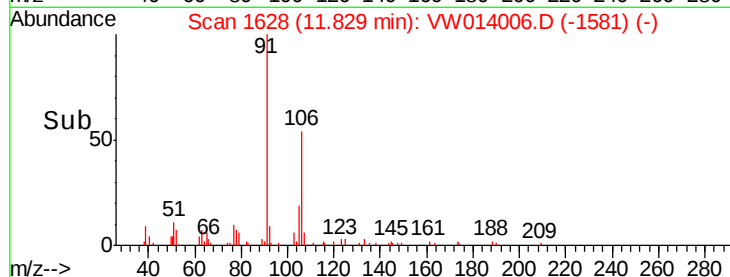
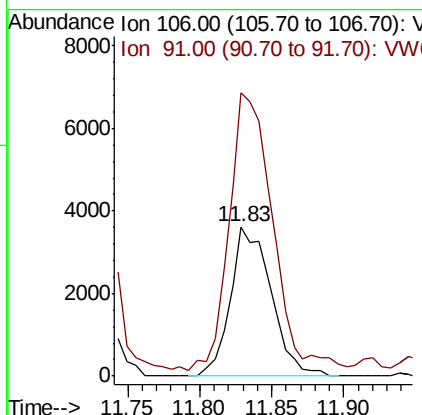
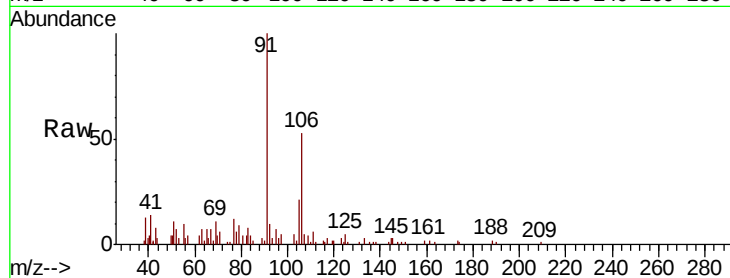




#68
m/p-Xvlenes
Concen: 1.314 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW014006.D
Acq: 13 Nov 2019 14:58

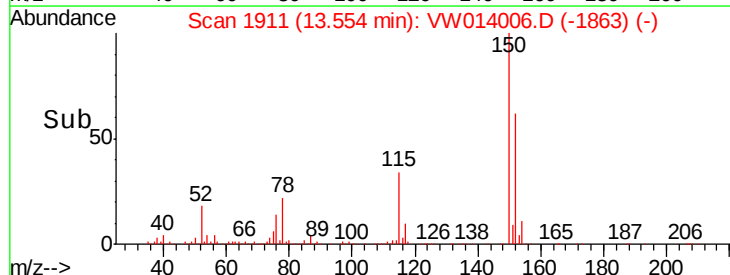
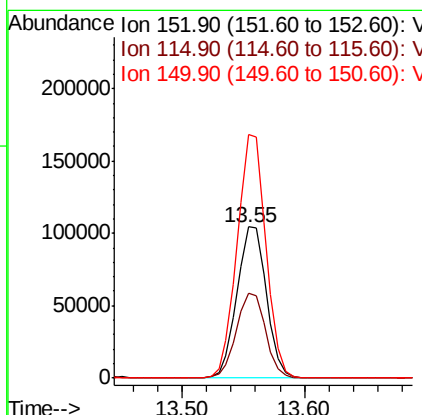
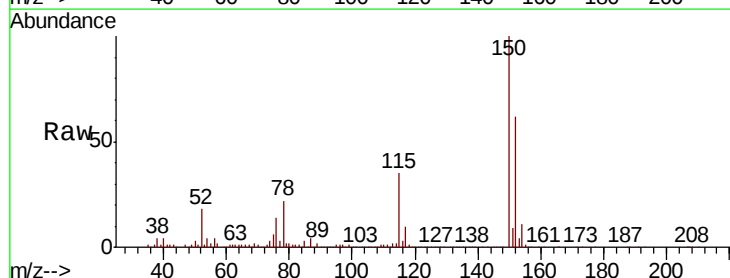
Instrument :
MSVOA_W
ClientSampleId :

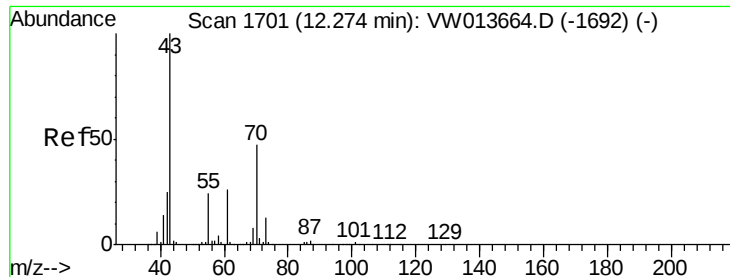
Tot Ion:106 Resp: 7109
Ion Ratio Lower Upper
106 100
91 194.4 159.2 238.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW014006.D
Acq: 13 Nov 2019 14:58

Tgt Ion:152 Resp: 173540
Ion Ratio Lower Upper
152 100
115 55.1 27.4 82.2
150 157.8 0.0 345.4





#74

N-amvl acetate

Concen: 1.097 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 2644

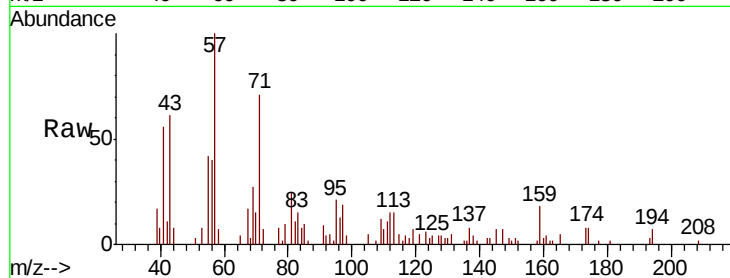
Ion Ratio Lower Upper

43 100

70 5.4 36.6 55.0#

55 20.2 20.3 30.5#

61 0.0 20.4 30.6#

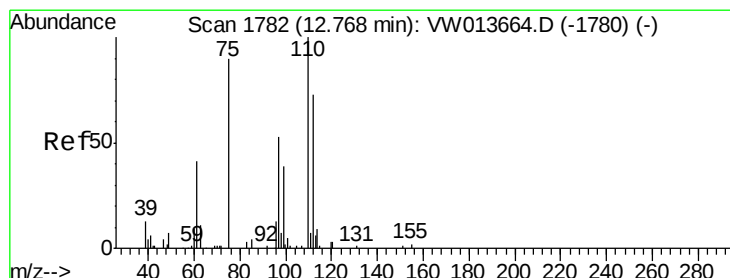
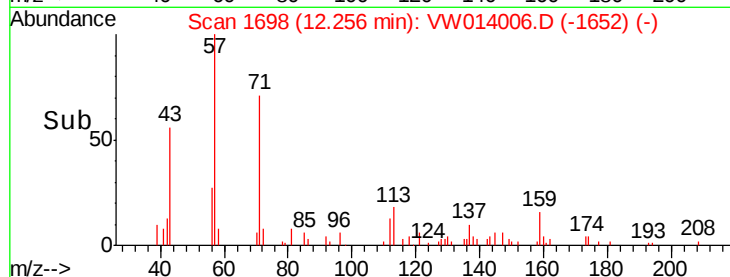
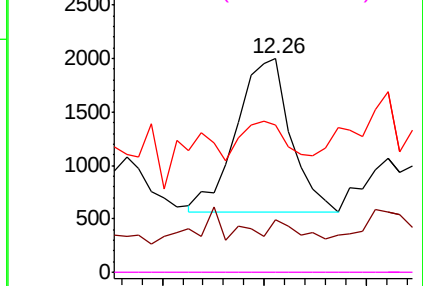


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 64.219 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014006.D

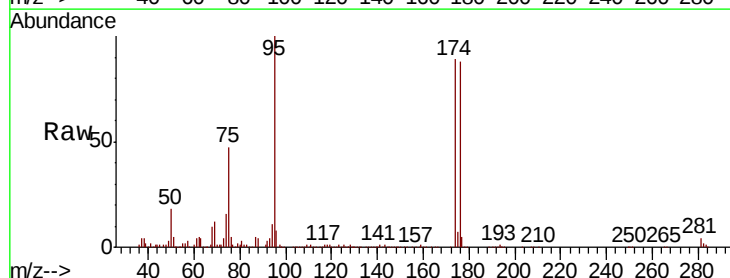
Acq: 13 Nov 2019 14:58

Tgt Ion: 75 Resp: 80033

Ion Ratio Lower Upper

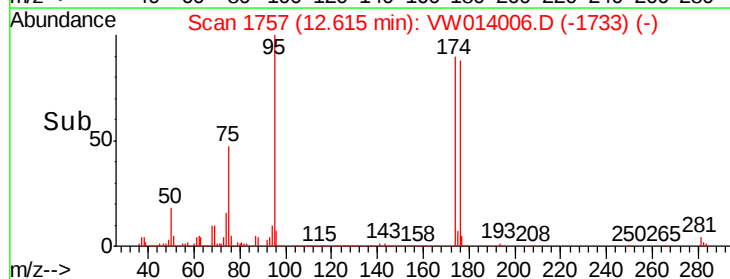
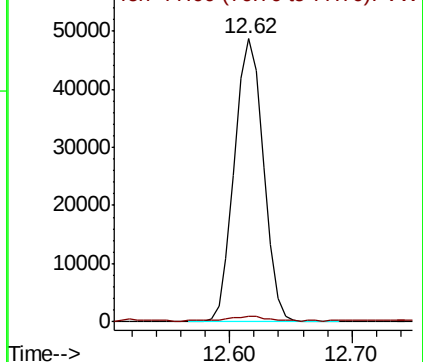
75 100

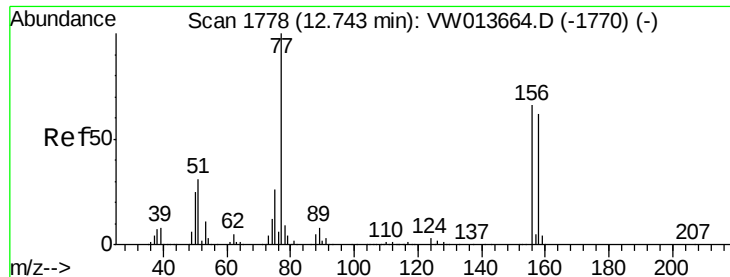
77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.536 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.12 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

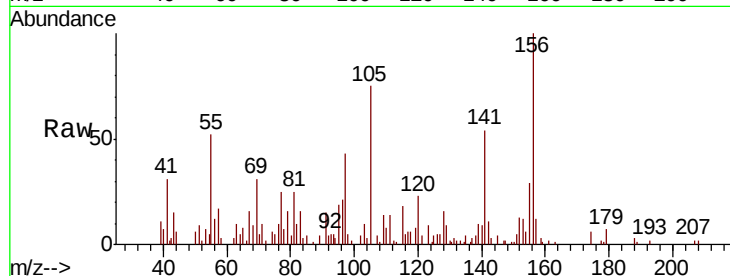
Tot Ion:156 Resp: 28390

Ion Ratio Lower Upper

156 100

77 10.9 82.9 248.7#

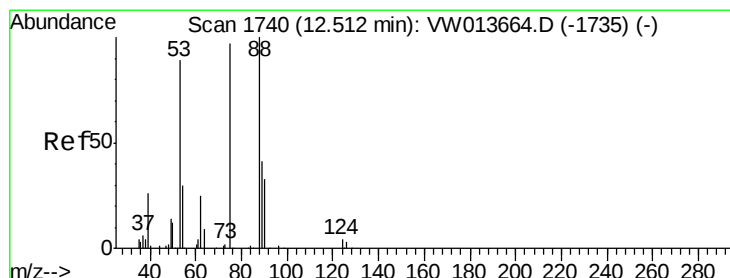
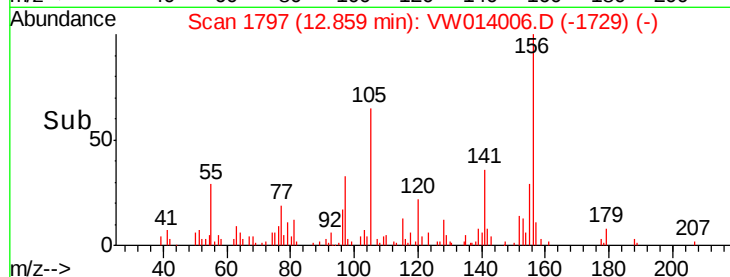
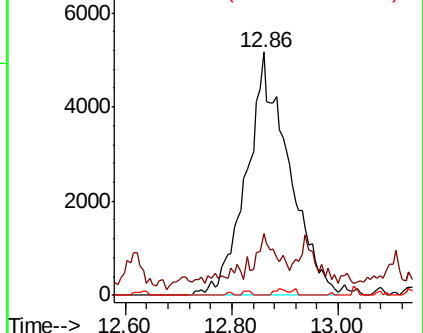
158 0.0 48.4 145.2#



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: 121.364 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014006.D

Acq: 13 Nov 2019 14:58

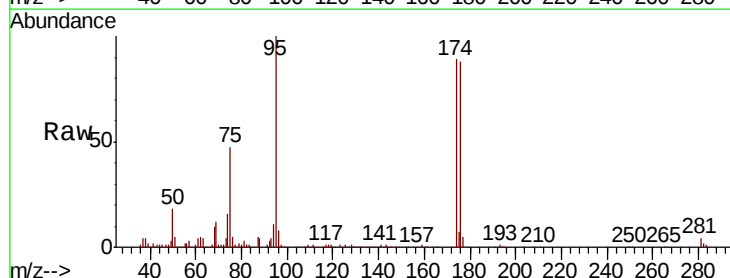
Tgt Ion: 75 Resp: 80033

Ion Ratio Lower Upper

75 100

53 0.5 71.7 107.5#

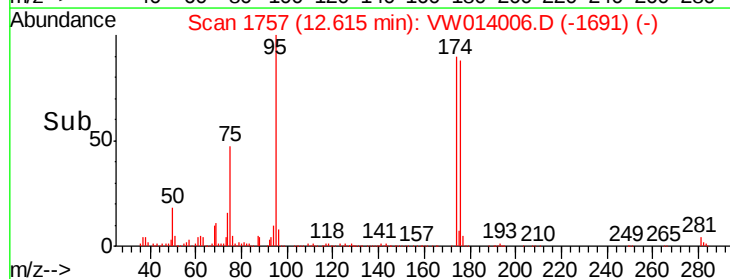
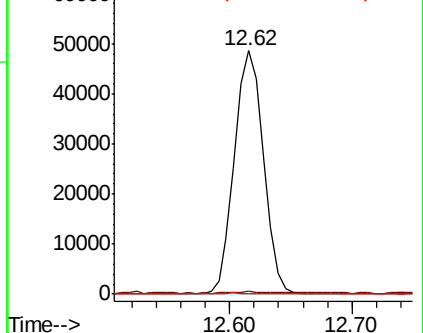
89 0.2 35.8 53.8#

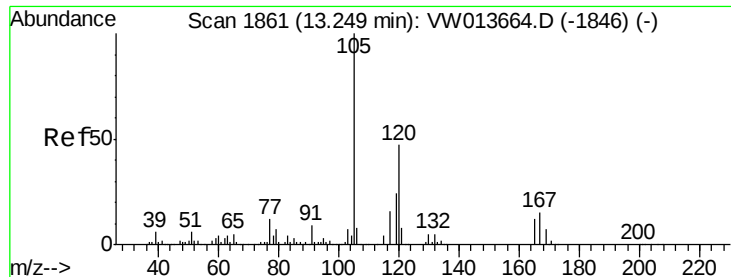


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

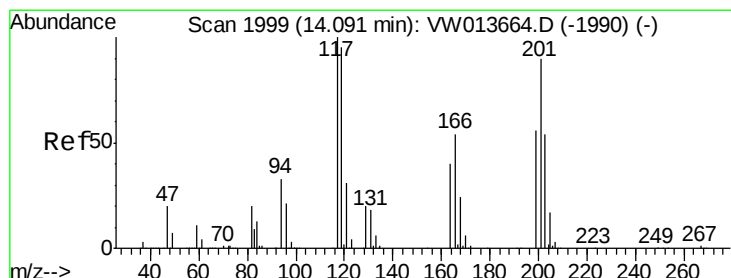
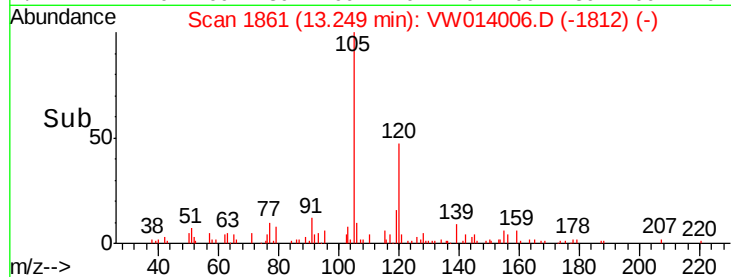
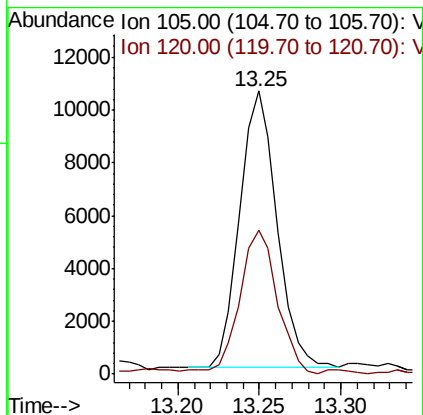
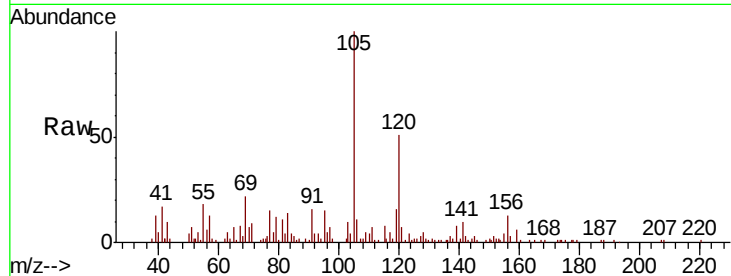




#84
 1,2,4-Trimethylbenzene
 Concen: 1.595 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014006.D
 Acq: 13 Nov 2019 14:58

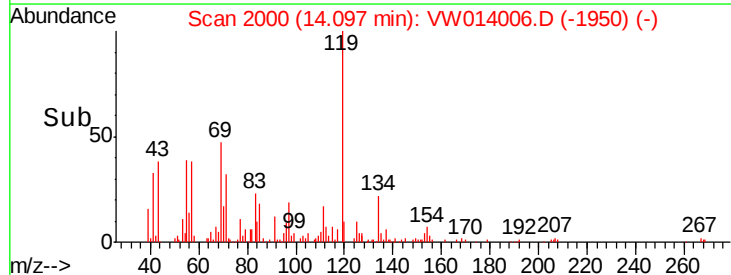
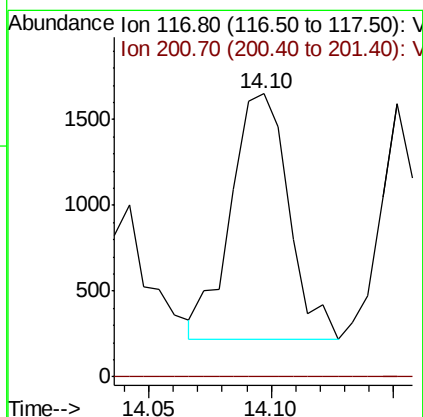
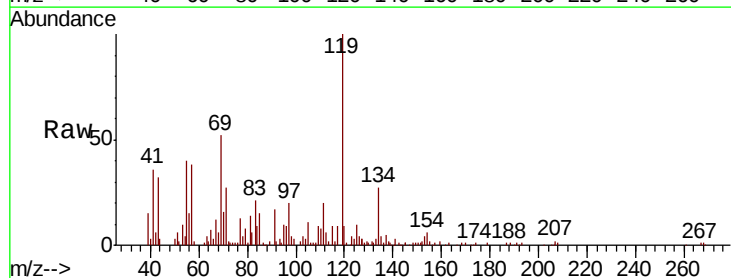
Instrument :
 MSVOA_W
 ClientSampled :

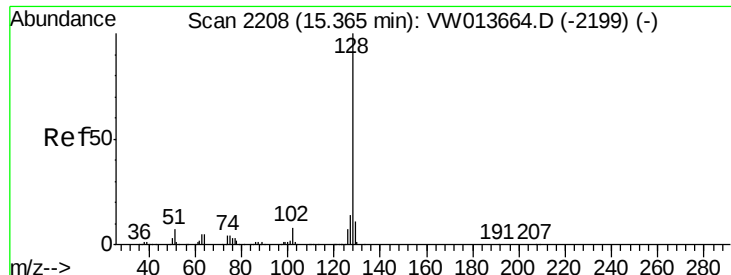
Tot Ion:105 Resp: 16557
 Ion Ratio Lower Upper
 105 100
 120 53.1 23.5 70.5



#90
 Hexachloroethane
 Concen: 1.143 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: VW014006.D
 Acq: 13 Nov 2019 14:58

Tgt Ion:117 Resp: 2363
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.1 138.2#





#95
Naphthalene
Concen: 1.071 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014006.D
Acq: 13 Nov 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 6114
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 13.2 8.7 13.1#

