

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014528.D
 Acq On : 06 Jan 2020 17:14
 Operator : SY/VA
 Sample : K6471-03RE
 Misc : 5.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MC-123019-4-5-GRAB-B5RE

Quant Time: Jan 07 02:42:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

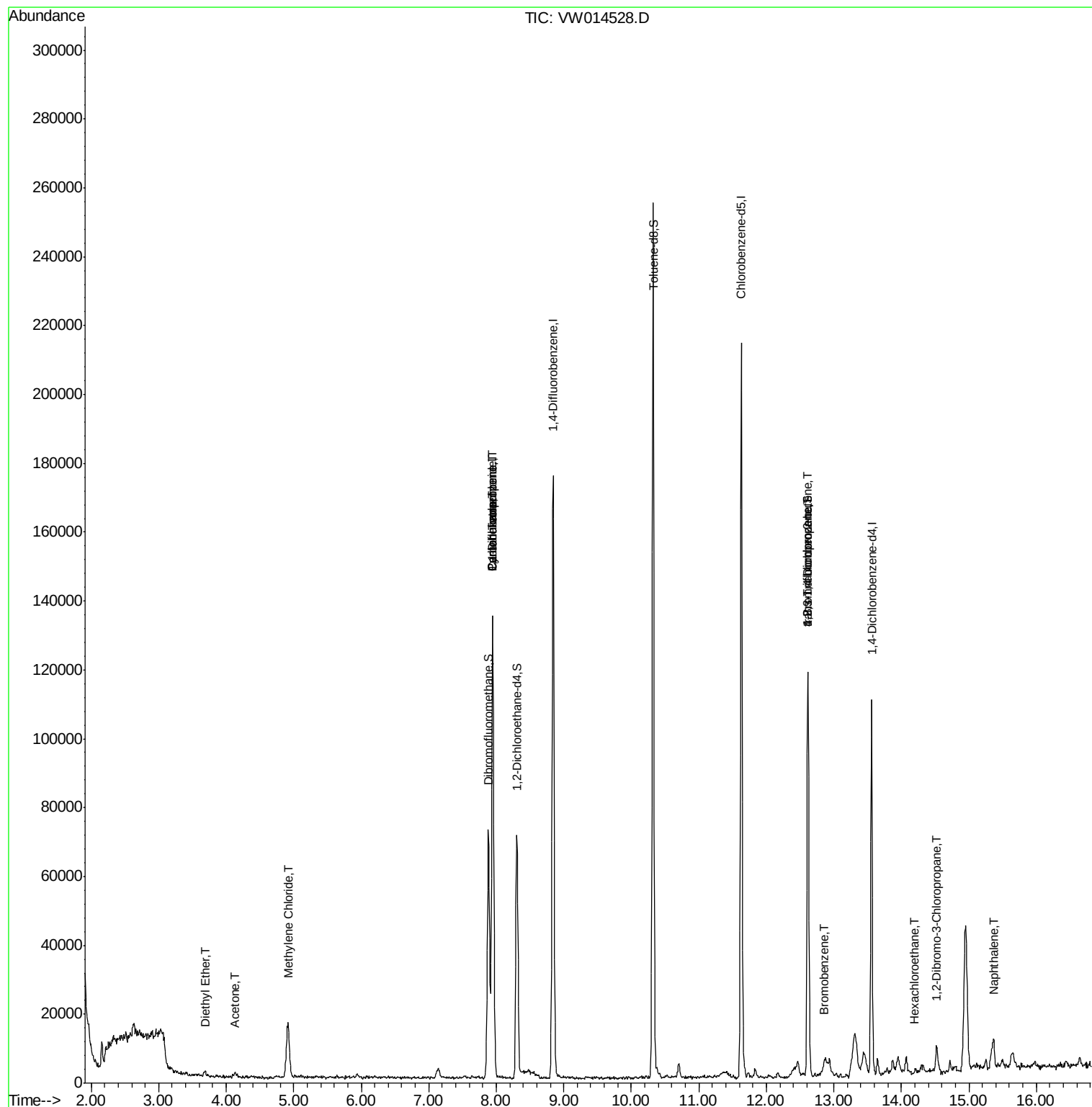
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	103883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	125705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	29192	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	56756	62.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.98%	
35) Dibromofluoromethane	7.88	113	53984	61.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.64%	
50) Toluene-d8	10.32	98	177742	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.62	95	40655	32.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	703	1.337	ug/l	88
11) Tert butyl alcohol	5.16	59	151	Below Cal	#	73
16) Acetone	4.13	43	3238	12.626	ug/l #	87
20) Methylene Chloride	4.92	84	11990	7.740	ug/l	96
31) Cyclohexane	7.95	56	2359	1.217	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	7930	5.384	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9491	7.427	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	19601	71.017	ug/l #	100
77) Bromobenzene	12.87	156	3210	6.452	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	19601	158.228	ug/l #	14
90) Hexachloroethane	14.21	117	461	1.328	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.51	75	207	3.381	ug/l #	1
95) Naphthalene	15.37	128	6660	6.801	ug/l	96

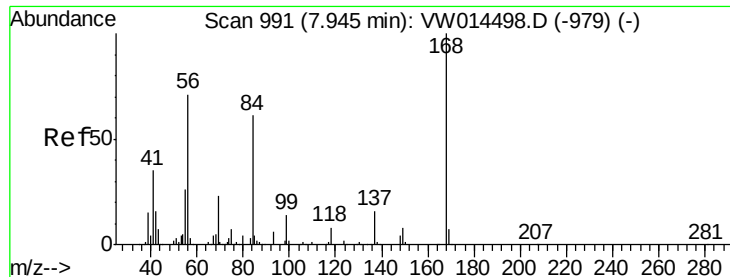
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW014528.D

Acq: 06 Jan 2020 17:14

Instrument :

MSVOA_W

ClientSampleId :

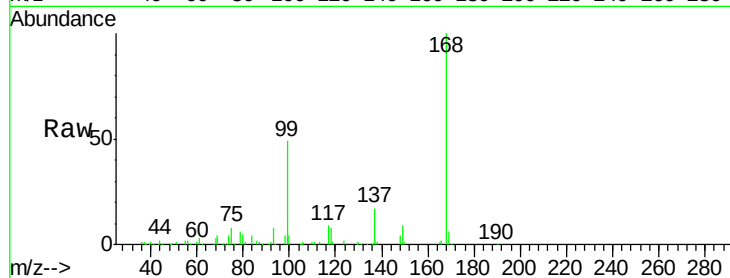
MC-123019-4-5-GRAB-B5RE

Tgt Ion:168 Resp: 103883

Ion Ratio Lower Upper

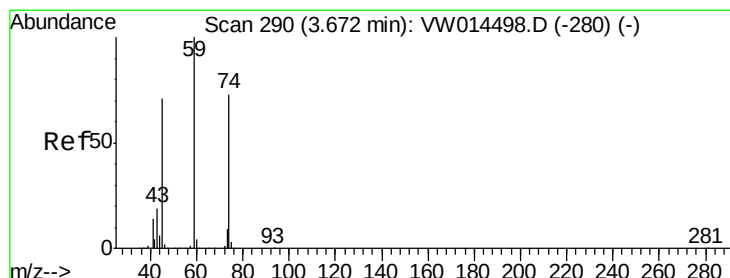
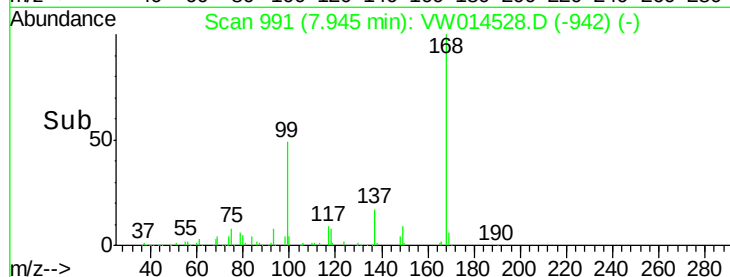
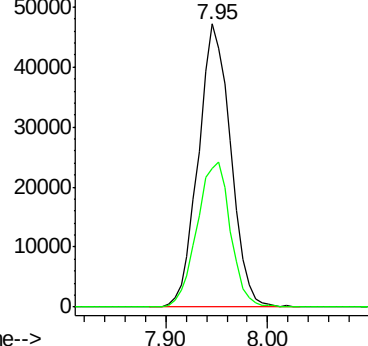
168 100

99 49.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.337 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW014528.D

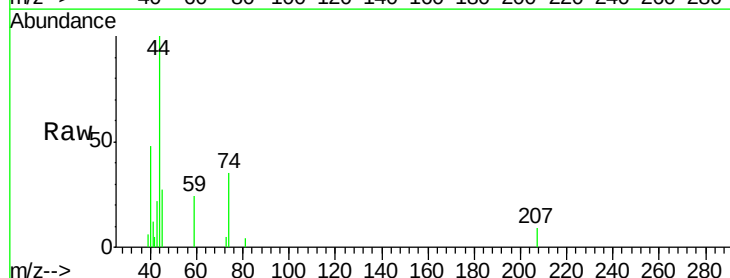
Acq: 06 Jan 2020 17:14

Tgt Ion: 74 Resp: 703

Ion Ratio Lower Upper

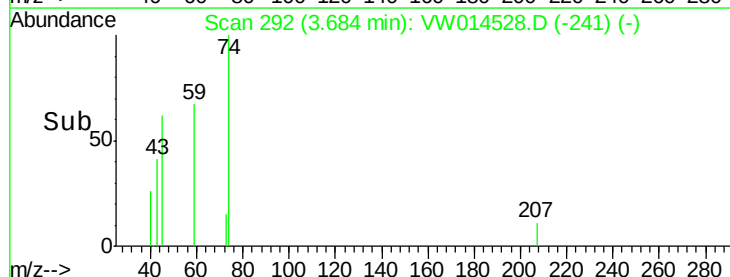
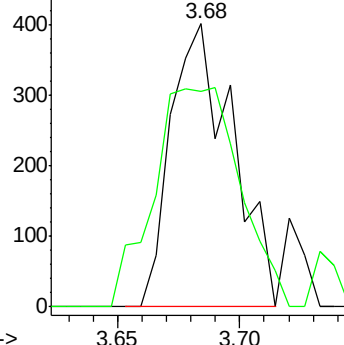
74 100

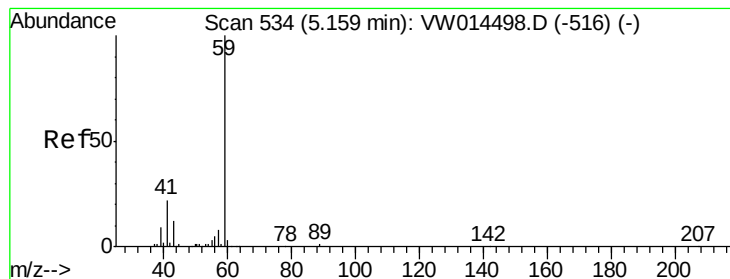
45 108.5 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



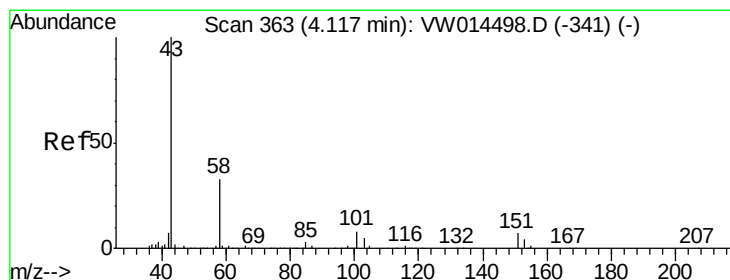
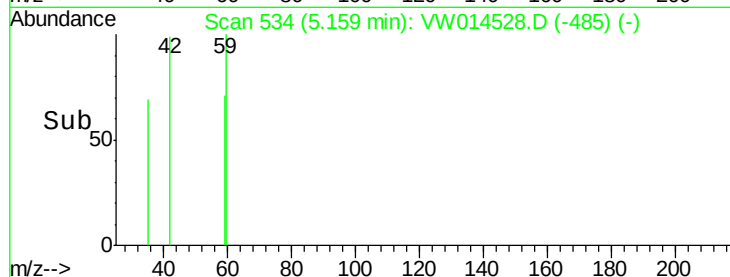
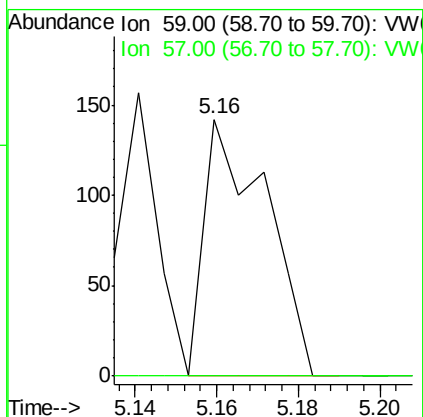
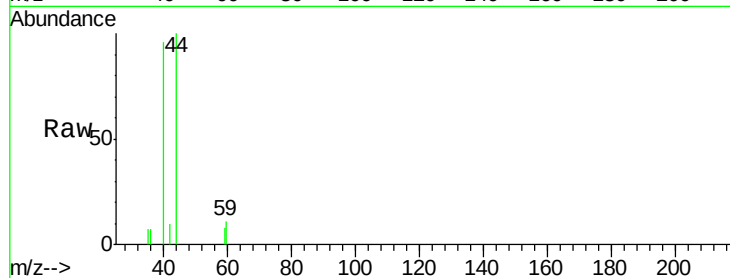


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014528.D
 Acq: 06 Jan 2020 17:14

Instrument :
 MSVOA_W
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 MC-123019-4-5-GRAB-B5RE

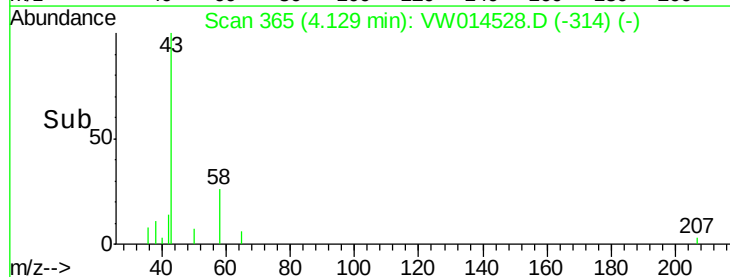
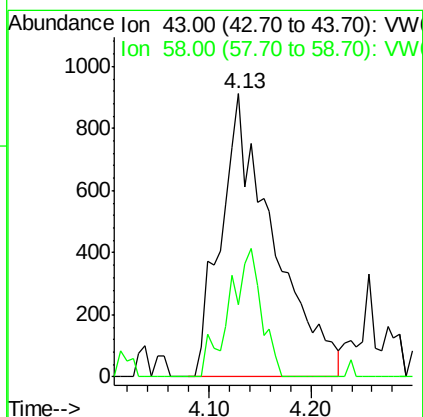
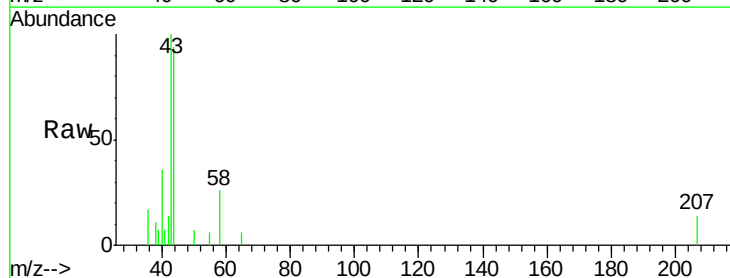
Tgt Ion: 59 Resp: 151
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

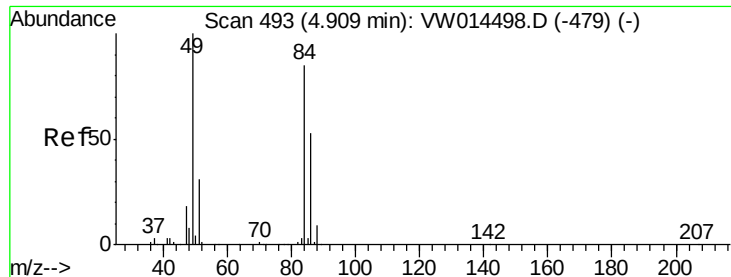


#16

Acetone
 Concen: 12.626 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW014528.D
 Acq: 06 Jan 2020 17:14

Tgt Ion: 43 Resp: 3238
 Ion Ratio Lower Upper
 43 100
 58 25.7 26.6 39.8#

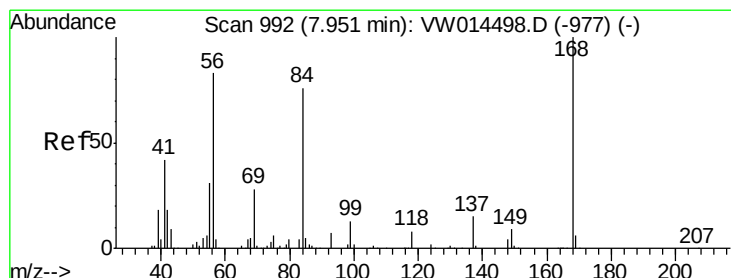
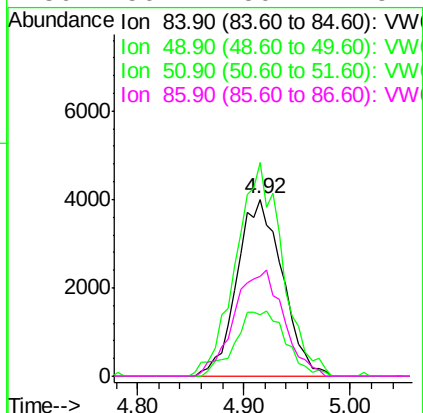
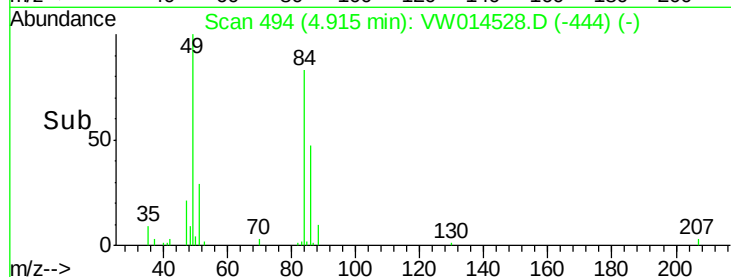
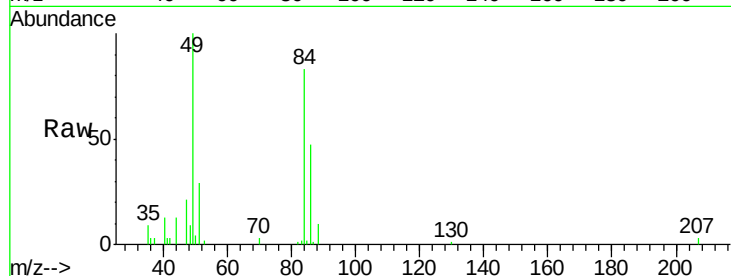




#20
Methylene Chloride
Concen: 7.740 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014528.D
Acq: 06 Jan 2020 17:14

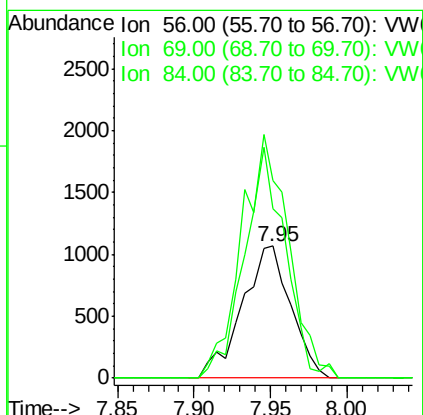
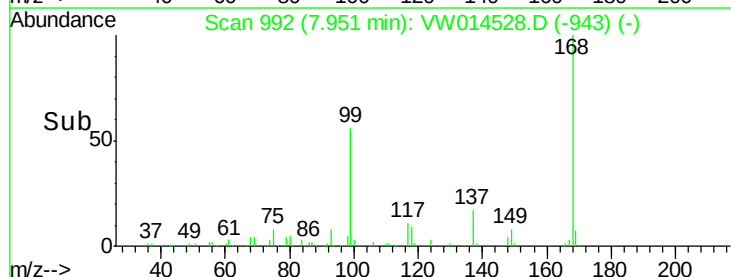
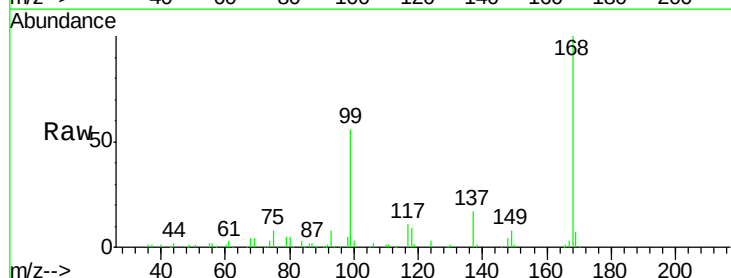
Instrument :
MSVOA_W
ClientSampleId :
MC-123019-4-5-GRAB-B5RE

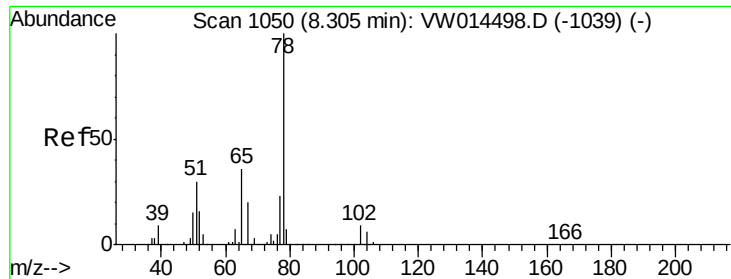
Tgt Ion:	84	Resp:	11990
Ion	Ratio	Lower	Upper
84	100		
49	120.5	94.4	141.6
51	34.8	29.5	44.3
86	56.1	50.2	75.2



#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014528.D
Acq: 06 Jan 2020 17:14

Tgt Ion:	56	Resp:	2359
Ion	Ratio	Lower	Upper
56	100		
69	150.0	26.8	40.2#
84	128.9	71.8	107.6#

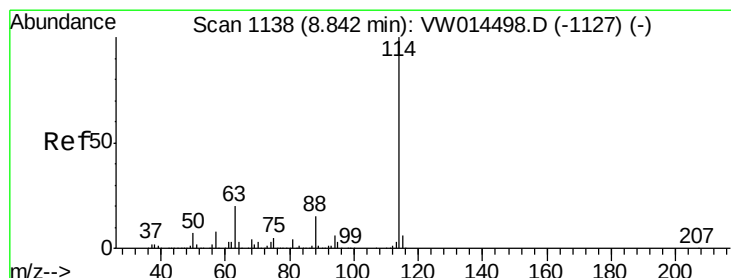
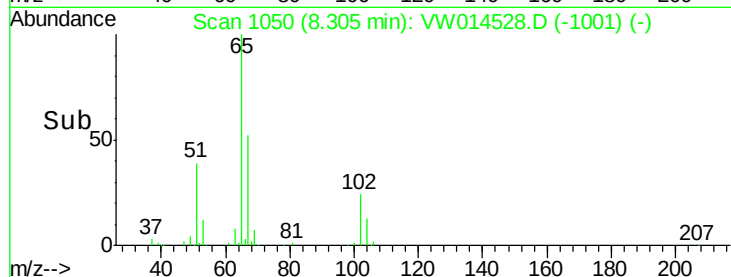
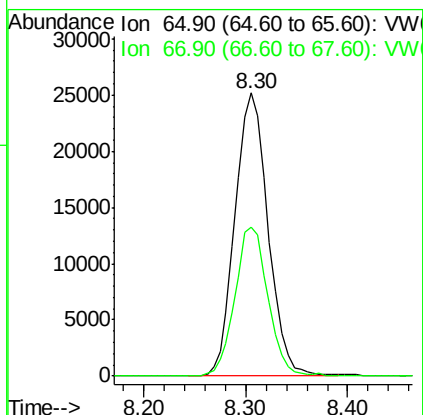
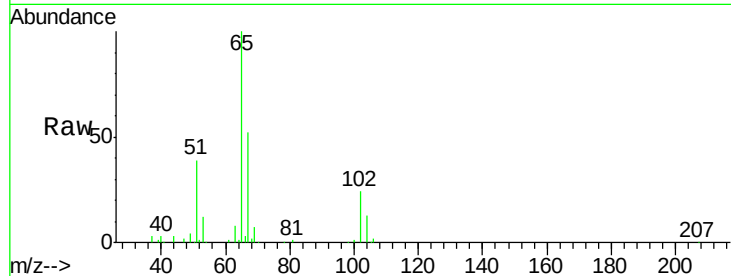




#33
 1,2-Dichloroethane-d4
 Concen: 62.488 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW014528.D
 Acq: 06 Jan 2020 17:14

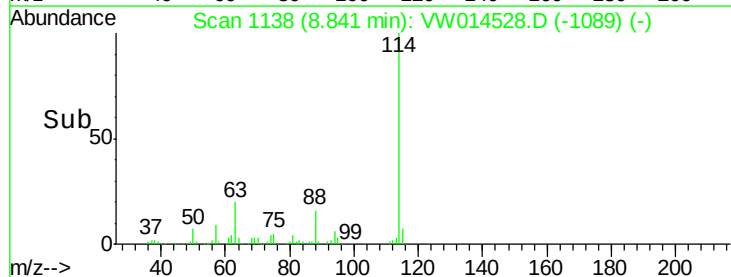
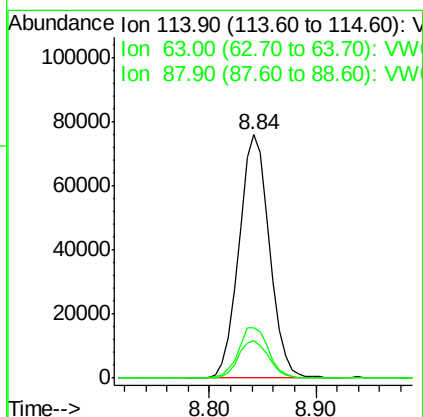
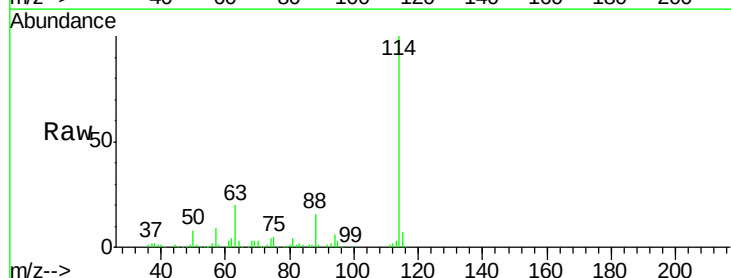
Instrument :
 MSVOA_W
 ClientSampleId :
 MC-123019-4-5-GRAB-B5RE

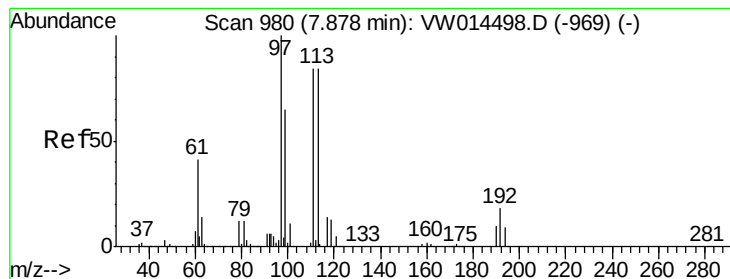
Tgt Ion: 65 Resp: 56756
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014528.D
 Acq: 06 Jan 2020 17:14

Tgt Ion: 114 Resp: 152794
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 61.820 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

Instrument :

MSVOA_W

ClientSampleId :

MC-123019-4-5-GRAB-B5RE

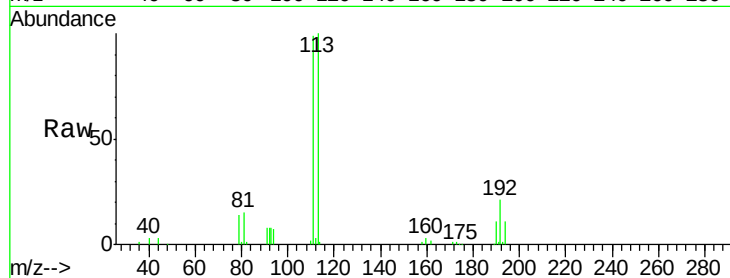
Tgt Ion:113 Resp: 53984

Ion Ratio Lower Upper

113 100

111 100.2 81.4 122.2

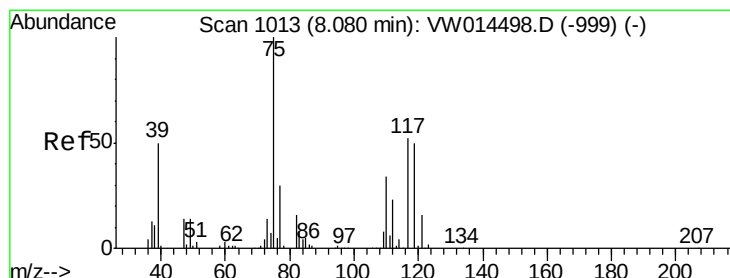
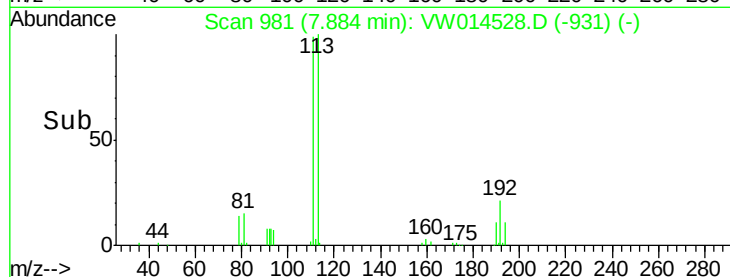
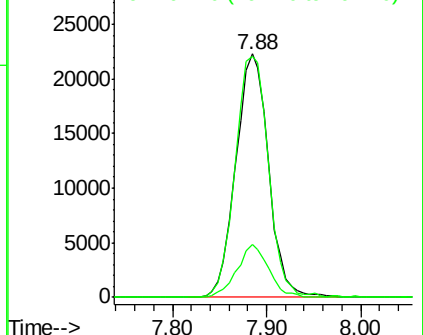
192 20.9 17.8 26.8



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: 5.384 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

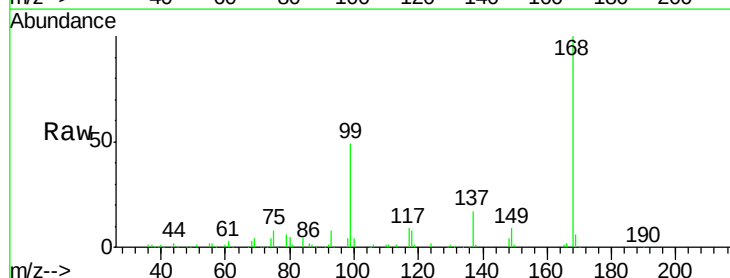
Tgt Ion: 75 Resp: 7930

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

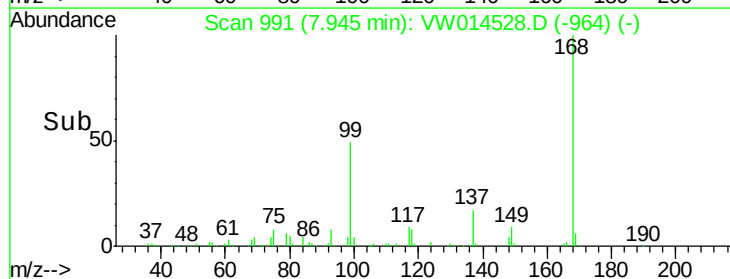
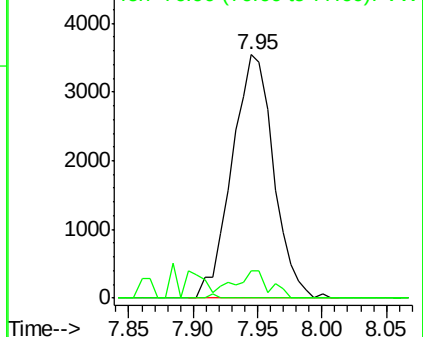
77 0.0 24.7 37.1#

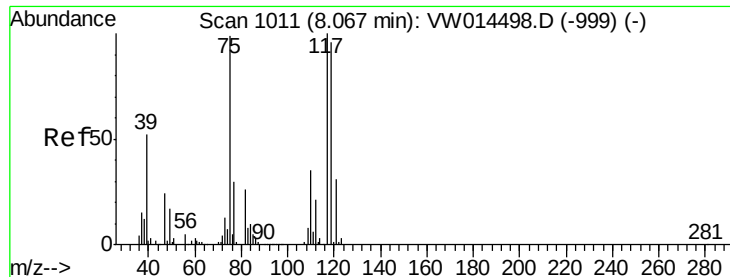


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.427 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

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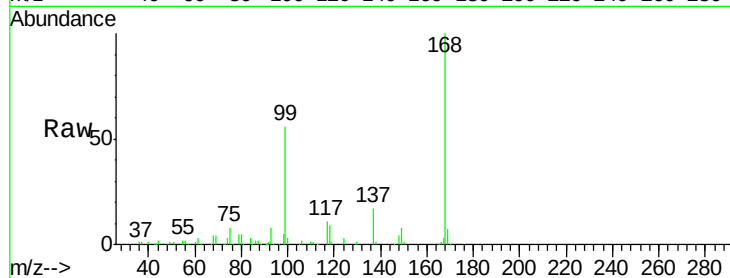
Tgt Ion:117 Resp: 9491

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.6#

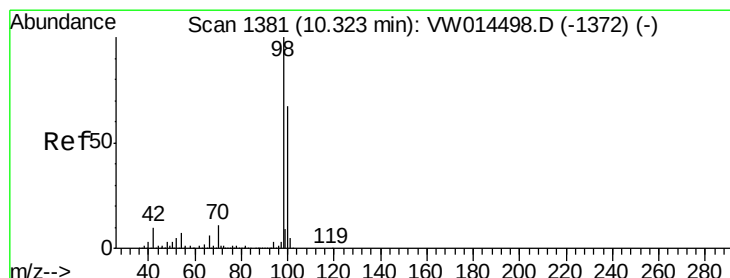
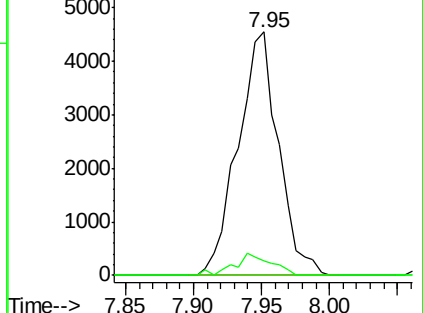
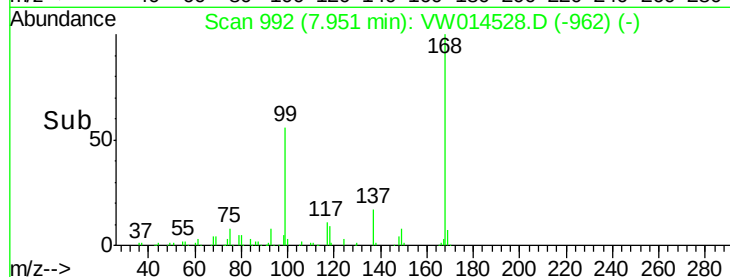
121 0.0 24.6 36.8#



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: 48.773 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014528.D

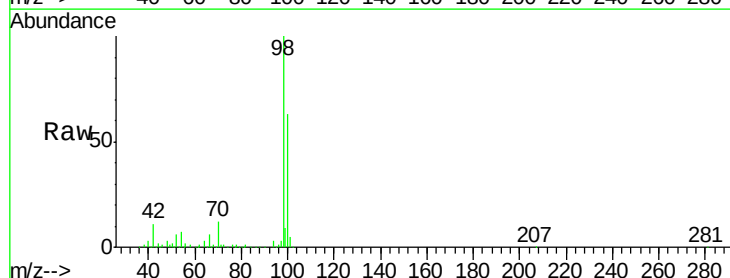
Acq: 06 Jan 2020 17:14

Tgt Ion: 98 Resp: 177742

Ion Ratio Lower Upper

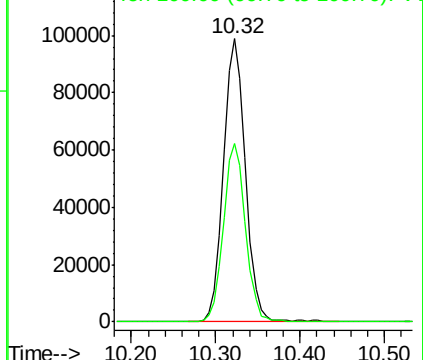
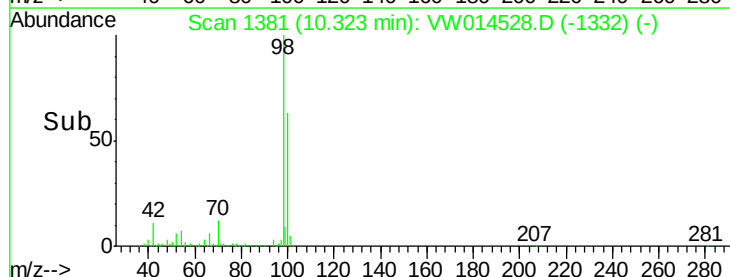
98 100

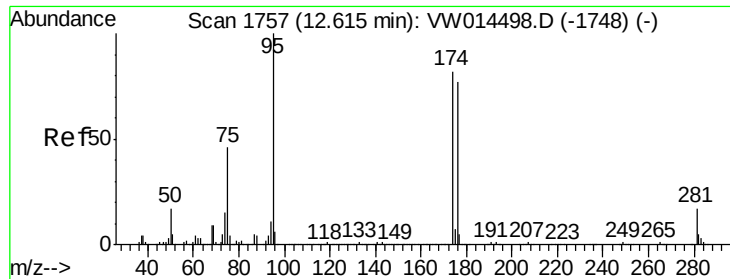
100 63.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 32.890 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

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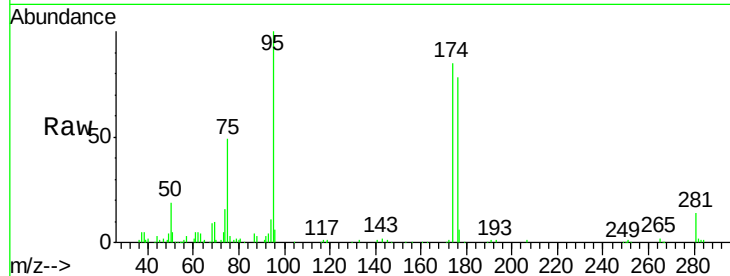
Tgt Ion: 95 Resp: 40655

Ion Ratio Lower Upper

95 100

174 85.9 0.0 168.6

176 80.7 0.0 162.0

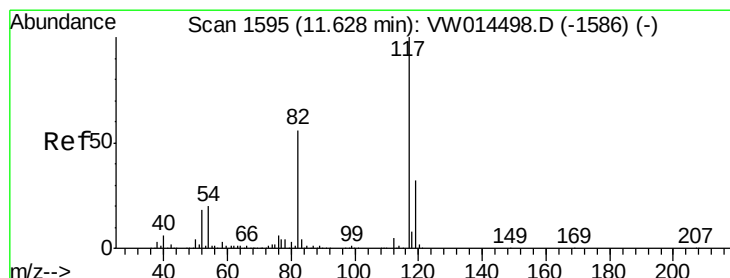
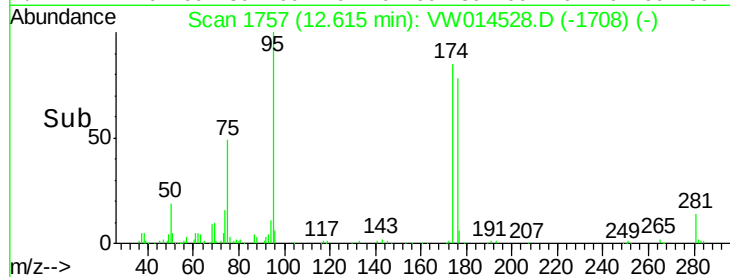
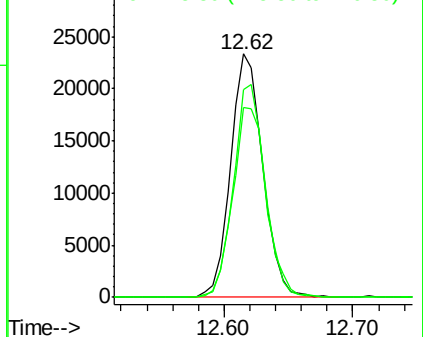


Abundance

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: VW014528.D

Acq: 06 Jan 2020 17:14

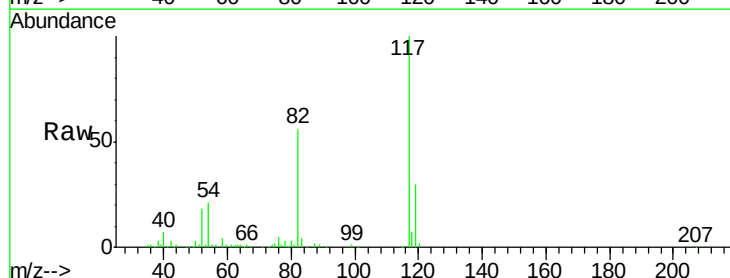
Tgt Ion: 117 Resp: 125705

Ion Ratio Lower Upper

117 100

82 56.1 44.6 67.0

119 30.1 25.7 38.5

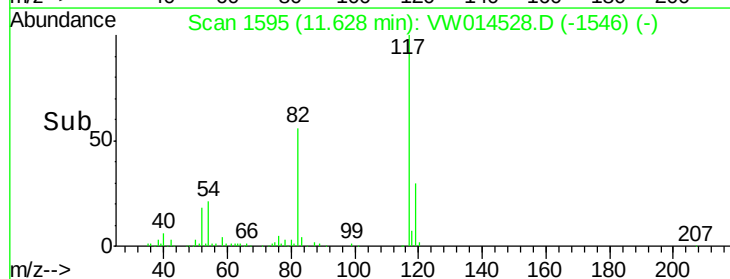
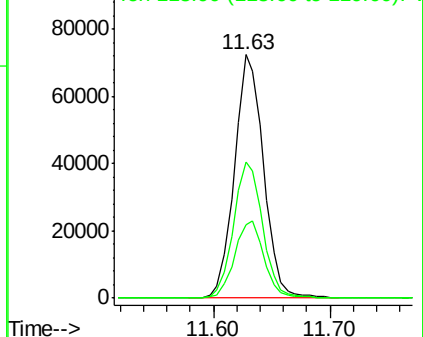


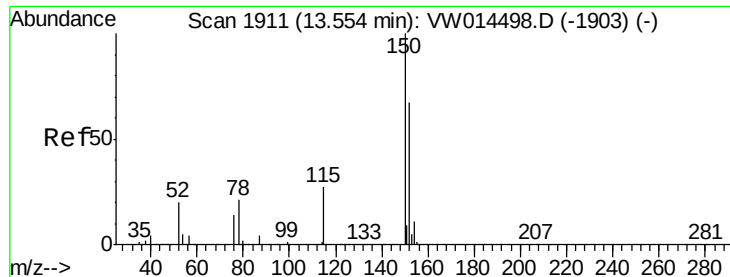
Abundance

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



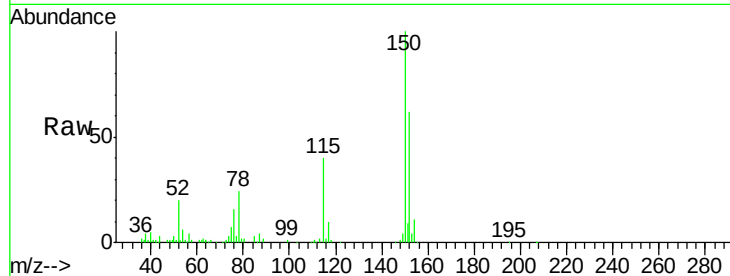


#72

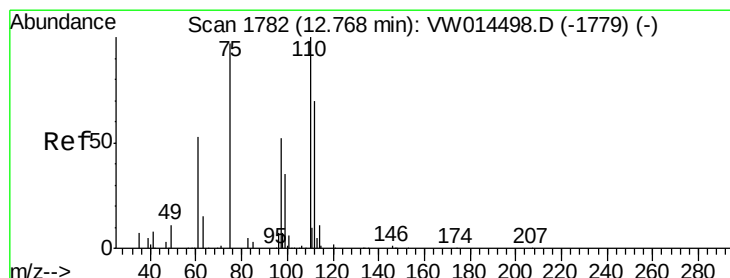
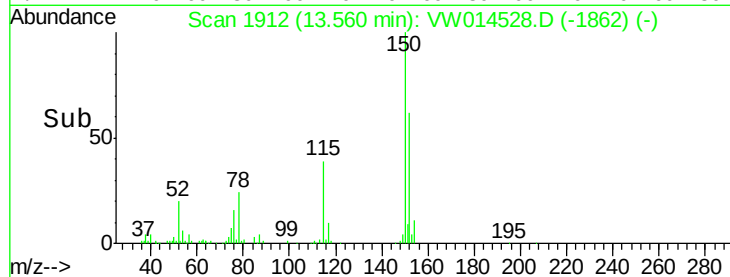
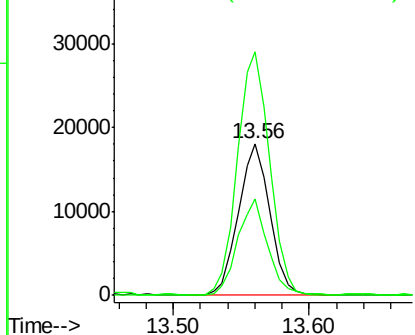
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014528.D
Acq: 06 Jan 2020 17:14

Instrument :
MSVOA_W
ClientSampleId :
MC-123019-4-5-GRAB-B5RE

Tgt Ion:152 Resp: 29192
Ion Ratio Lower Upper
152 100
115 60.1 27.7 83.1
150 164.3 0.0 343.4



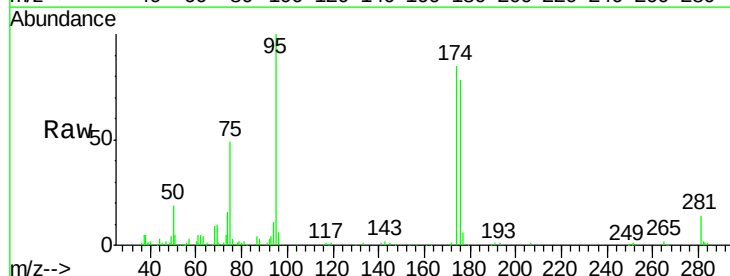
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



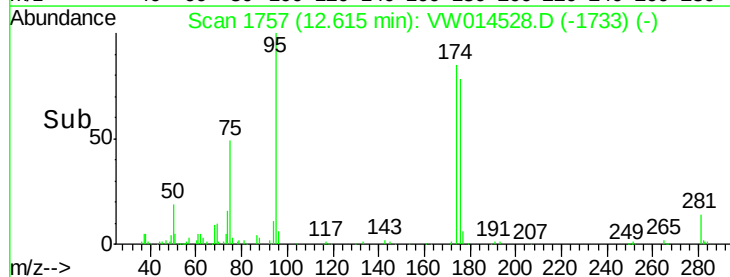
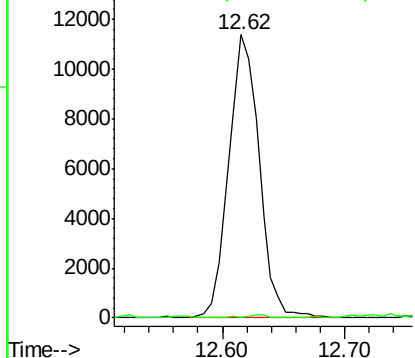
#76

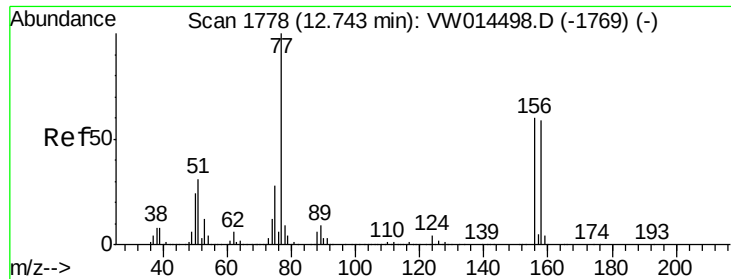
1,2,3-Trichloropropane
Concen: 71.017 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014528.D
Acq: 06 Jan 2020 17:14

Tgt Ion: 75 Resp: 19601
Ion Ratio Lower Upper
75 100
77 0.7 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: 6.452 ug/l

RT: 12.87 min Scan# 1798

Delta R.T. 0.12 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

Instrument :

MSVOA_W

ClientSampleId :

MC-123019-4-5-GRAB-B5RE

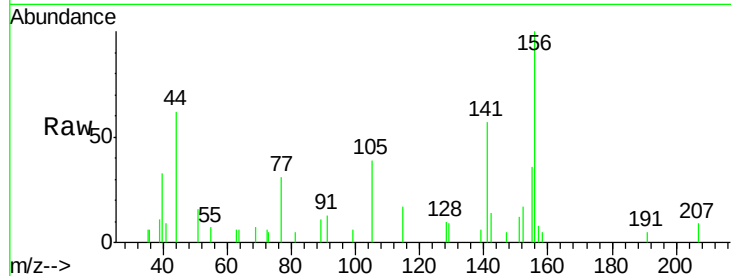
Tgt Ion:156 Resp: 3210

Ion Ratio Lower Upper

156 100

77 20.3 92.3 277.1#

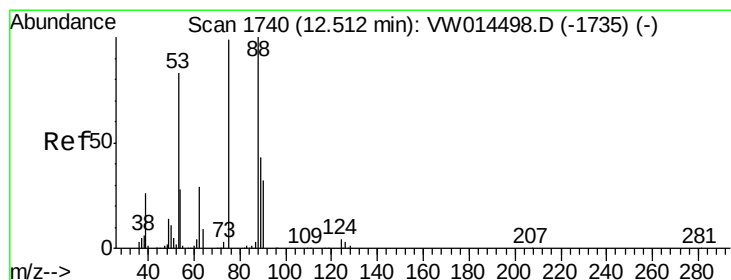
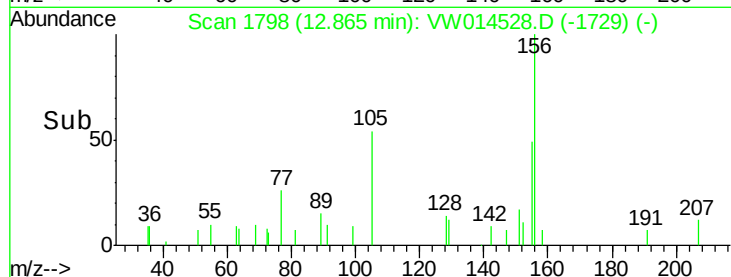
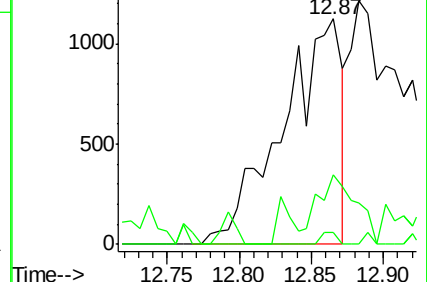
158 1.3 48.6 145.9#



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: 158.228 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

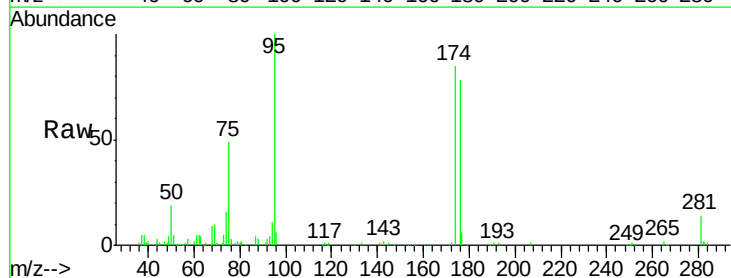
Tgt Ion: 75 Resp: 19601

Ion Ratio Lower Upper

75 100

53 0.3 70.9 106.3#

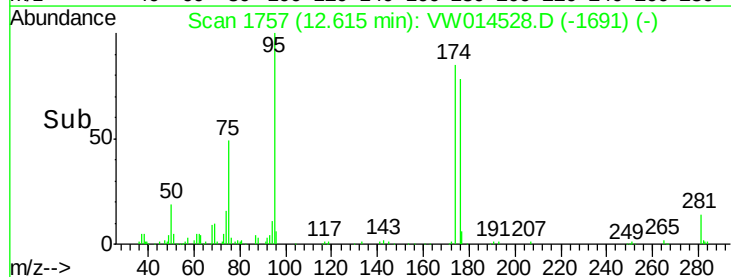
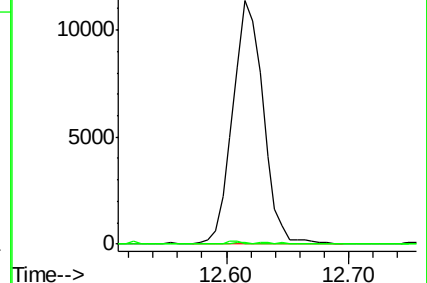
89 0.5 35.8 53.8#

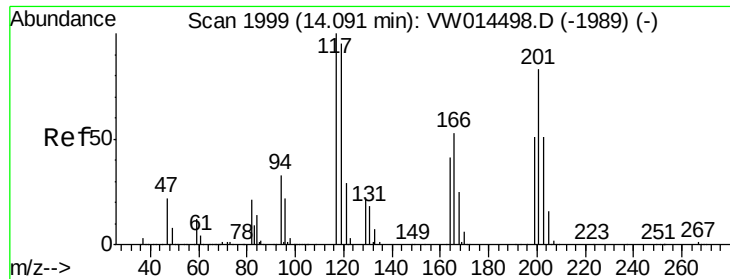


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#90

Hexachloroethane

Concen: 1.328 ug/l

RT: 14.21 min Scan# 2018

Delta R.T. 0.12 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

Instrument :

MSVOA_W

ClientSampleId :

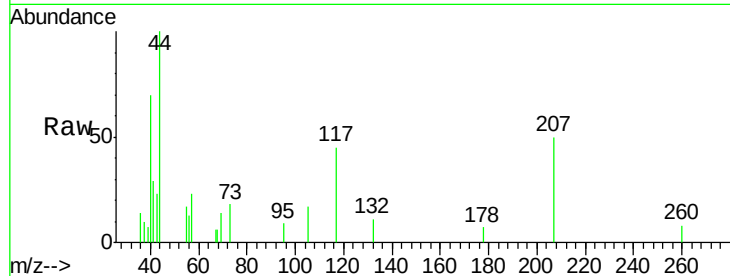
MC-123019-4-5-GRAB-B5RE

Tgt Ion: 117 Resp: 461

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.21

400

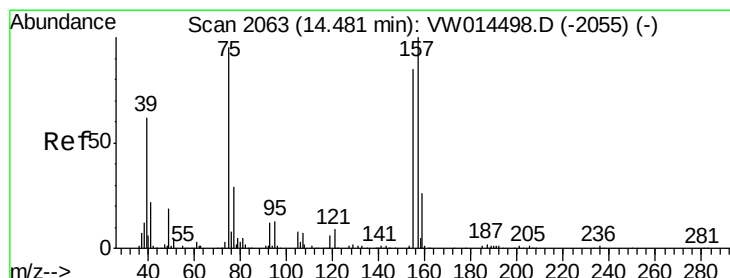
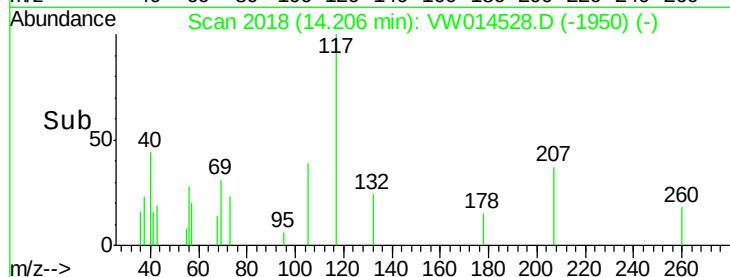
300

200

100

0

Time--> 14.15 14.20 14.25



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.381 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.03 min

Lab File: VW014528.D

Acq: 06 Jan 2020 17:14

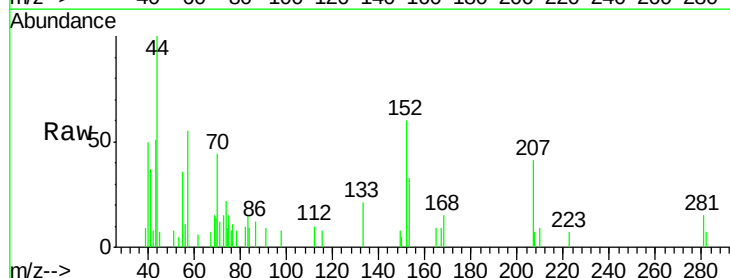
Tgt Ion: 75 Resp: 207

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 58.1 174.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

200

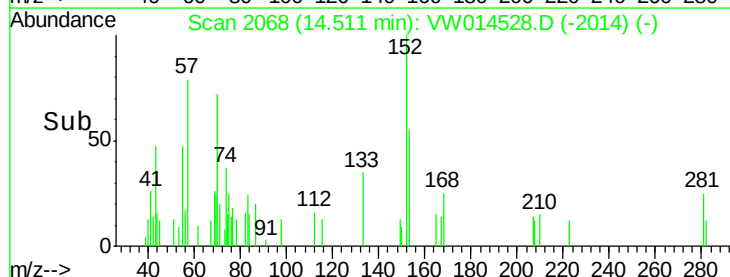
150

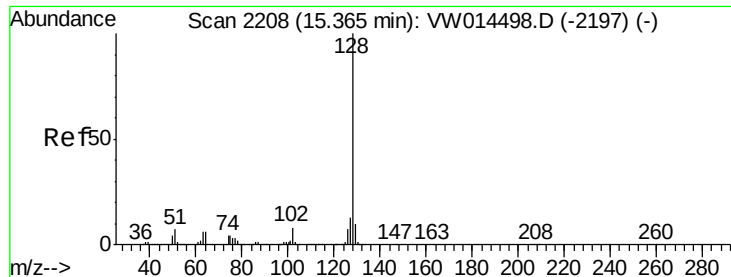
100

50

0

Time--> 14.50

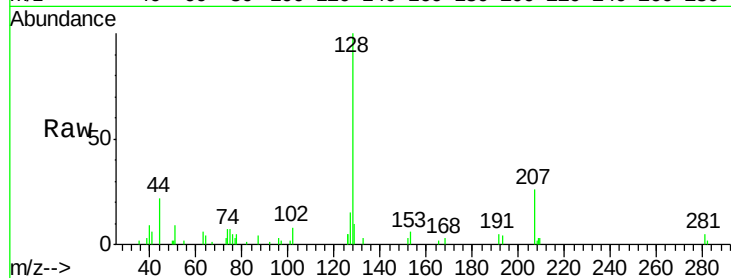




#95
 Naphthalene
 Concen: 6.801 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW014528.D
 Acq: 06 Jan 2020 17:14

Instrument :
 MSVOA_W
 ClientSampleId :
 MC-123019-4-5-GRAB-B5RE

Tgt Ion:128 Resp: 6660
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.6 15.8
 129 11.7 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

