

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015794.D
 Acq On : 07 Jul 2020 15:56
 Operator : SY/VA
 Sample : VW0707SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBL01

Quant Time: Jul 08 08:42:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	296474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112720	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	102599	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
35) Dibromofluoromethane	7.89	113	91627	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	10.32	98	361700	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
62) 4-Bromofluorobenzene	12.62	95	125704	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	

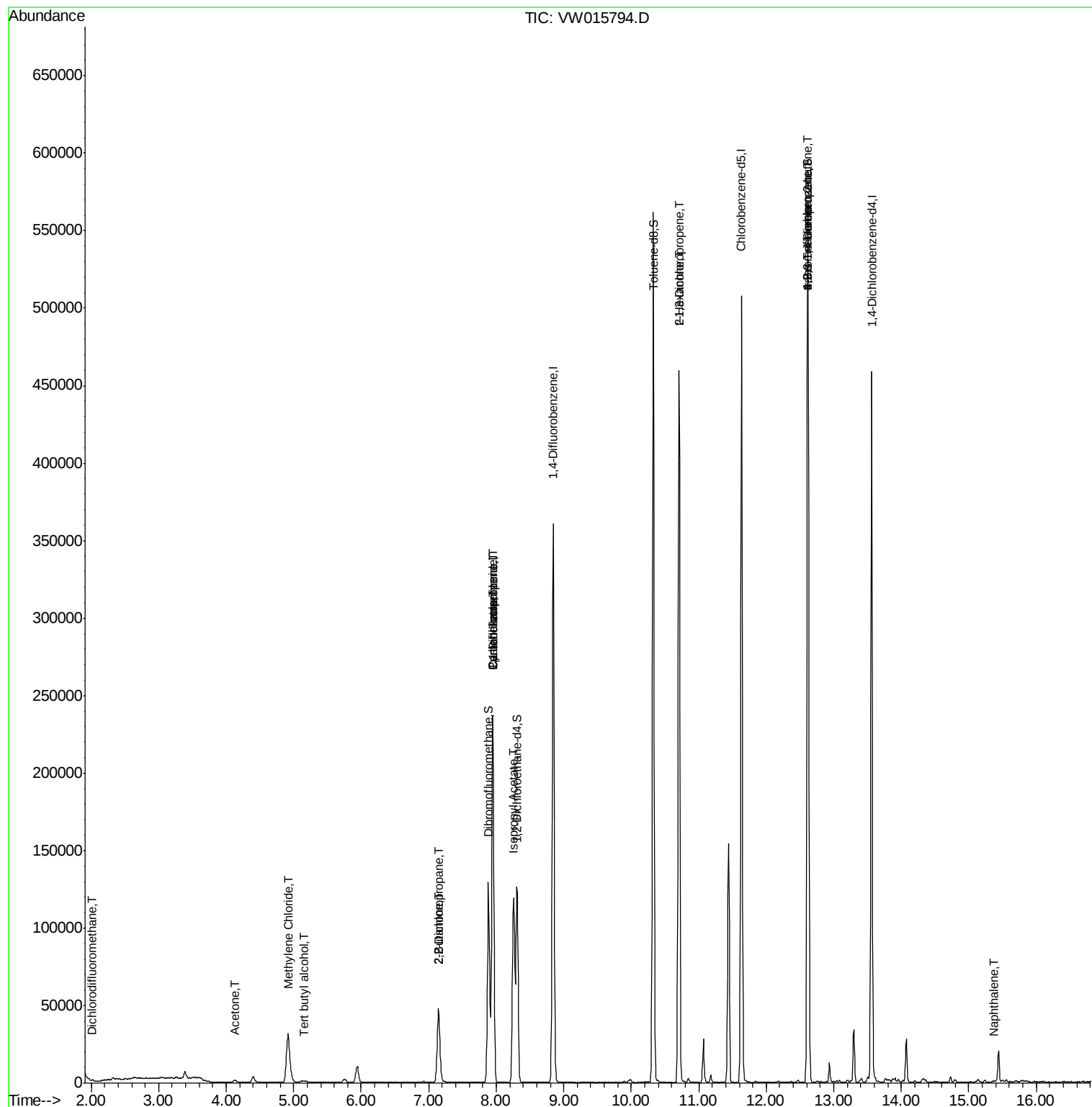
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	966	1.053	ug/l	85
11) Tert butyl alcohol	5.17	59	1546	10.608	ug/l #	81
16) Acetone	4.13	43	3082	9.181	ug/l #	78
20) Methylene Chloride	4.92	84	25277	11.114	ug/l	96
25) 2-Butanone	7.15	43	3008	6.602	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	3131	1.512	ug/l #	54
31) Cyclohexane	7.95	56	4307	1.387	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	15213	5.205	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18135	6.413	ug/l #	17
43) Isopropyl Acetate	8.26	43	3313	1.495	ug/l #	35
53) t-1,3-Dichloropropene	10.71	75	6520	2.593	ug/l #	56
59) 2-Hexanone	10.70	43	1165	1.614	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	70277	70.940	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	70277	152.617	ug/l #	8
95) Naphthalene	15.37	128	1081	3.091	ug/l #	81

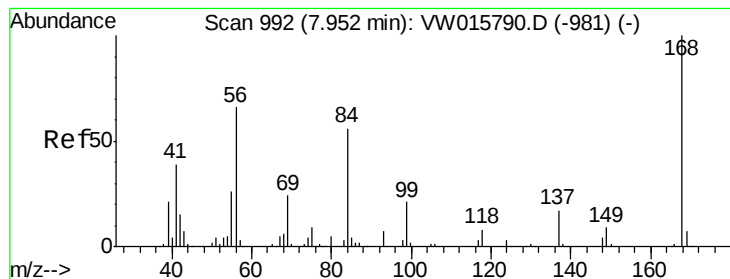
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

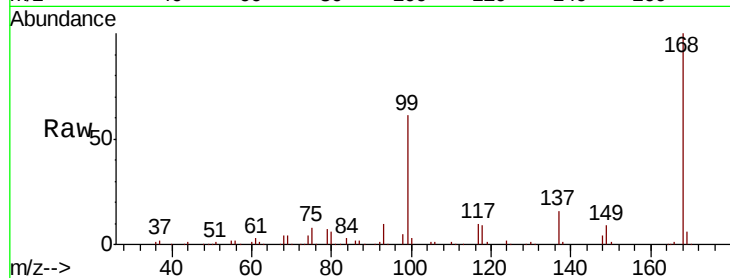
VW0707SBL01

Tot Ion:168 Resp: 174220

Ion Ratio Lower Upper

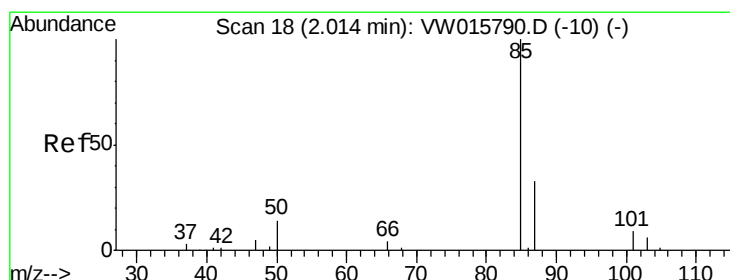
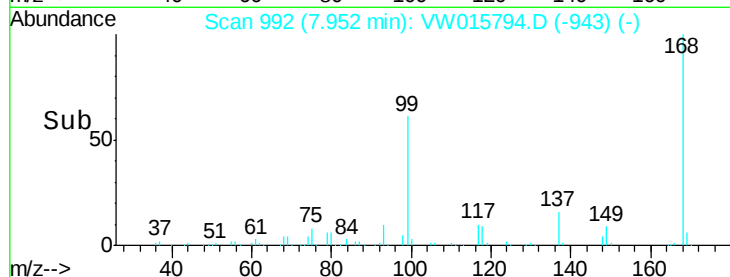
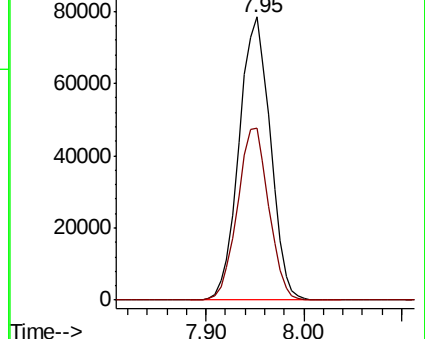
168 100

99 60.6 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.053 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015794.D

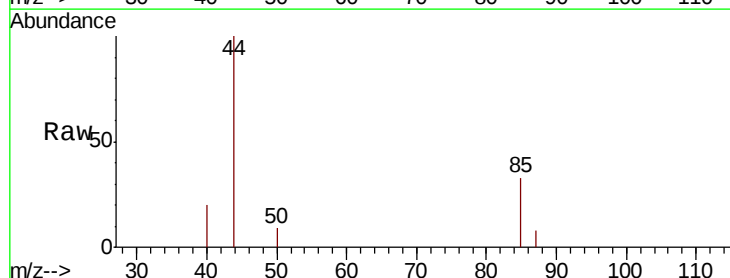
Acq: 07 Jul 2020 15:56

Tgt Ion: 85 Resp: 966

Ion Ratio Lower Upper

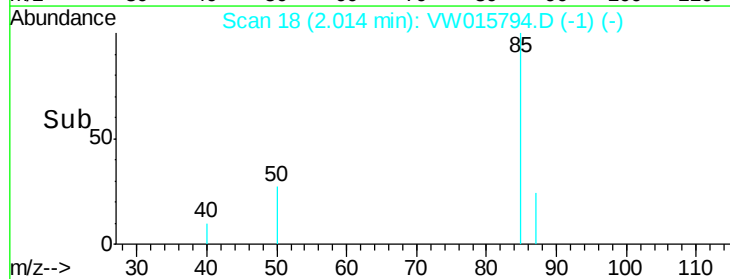
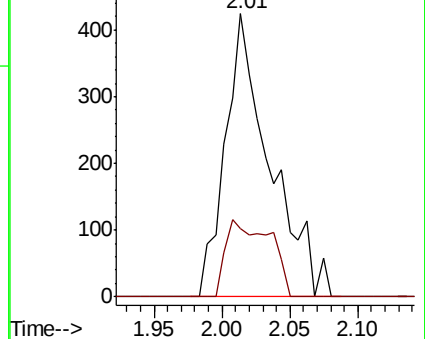
85 100

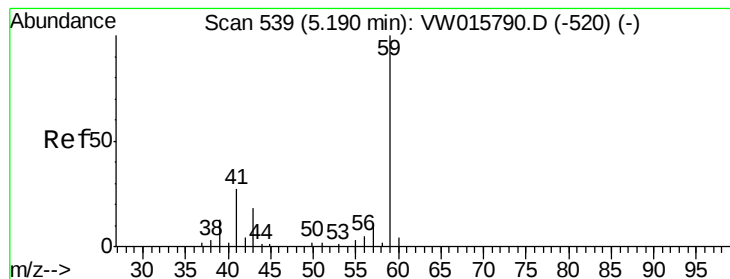
87 24.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



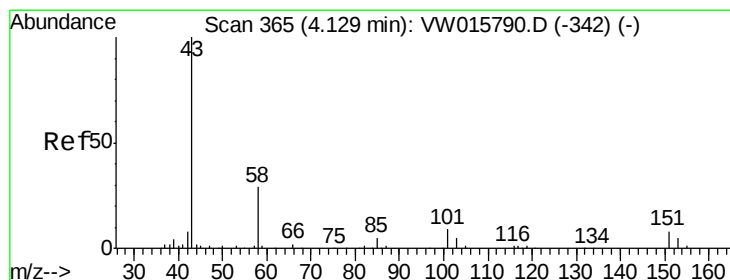
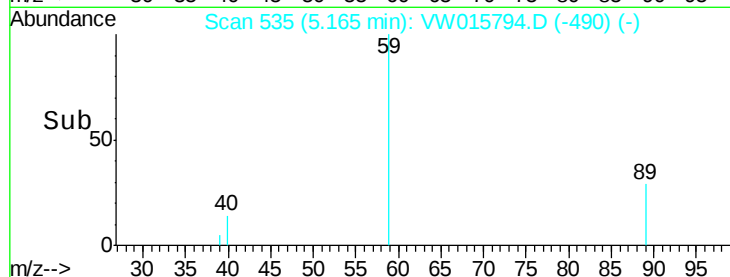
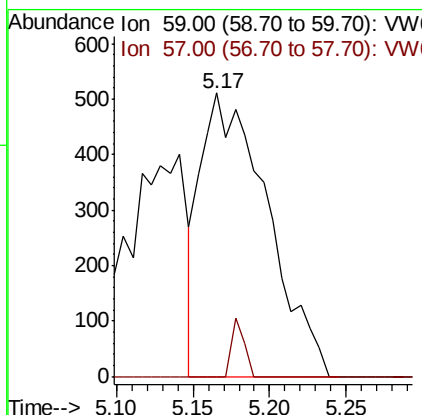
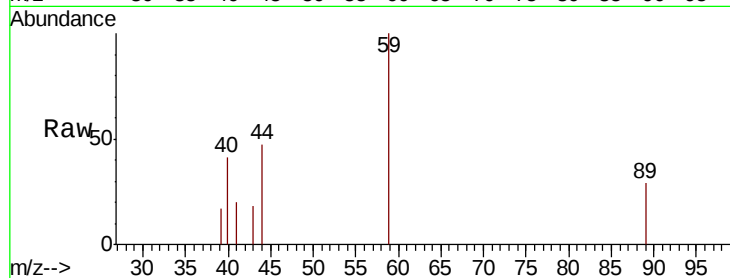


#11

Tert butyl alcohol
 Concen: 10.608 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.02 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 15:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBL01

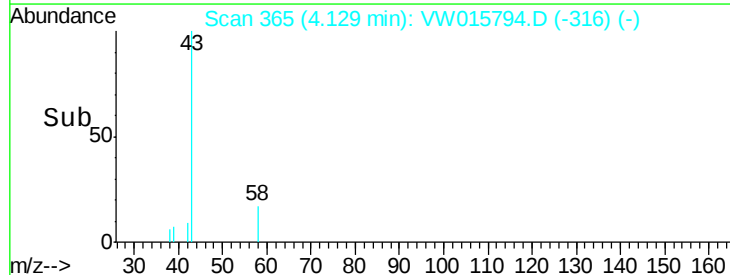
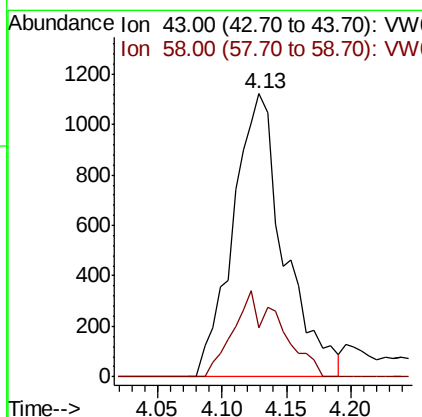
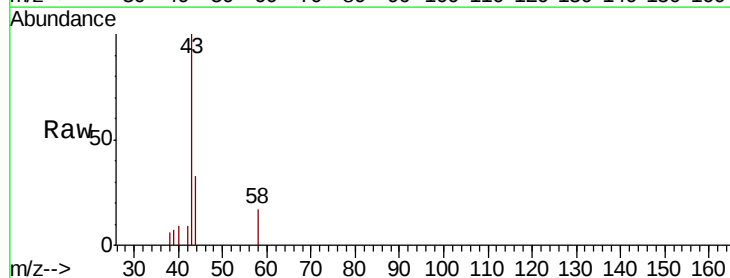
Tot Ion: 59 Resp: 1546
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.7 13.1#

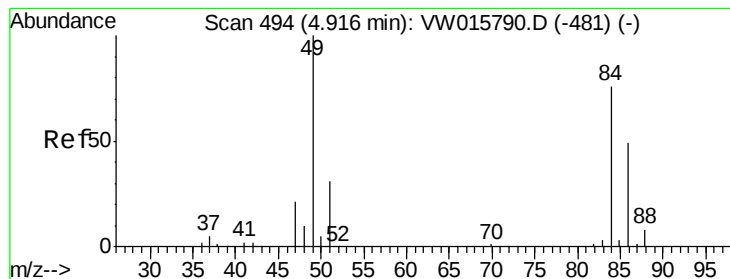


#16

Acetone
 Concen: 9.181 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 15:56

Tgt Ion: 43 Resp: 3082
 Ion Ratio Lower Upper
 43 100
 58 17.5 23.5 35.3#





#20

Methylene Chloride

Concen: 11.114 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBL01

Tot Ion: 84 Resp: 25277

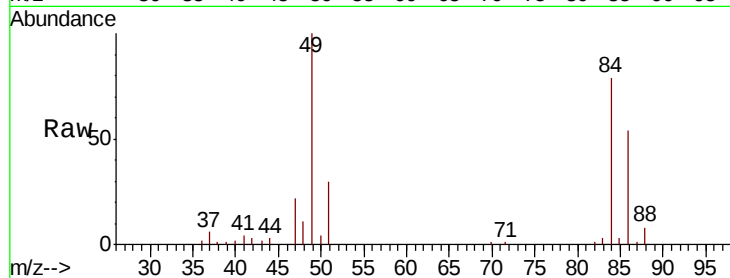
Ion Ratio Lower Upper

84 100

49 126.7 105.0 157.6

51 38.3 32.3 48.5

86 68.1 51.2 76.8

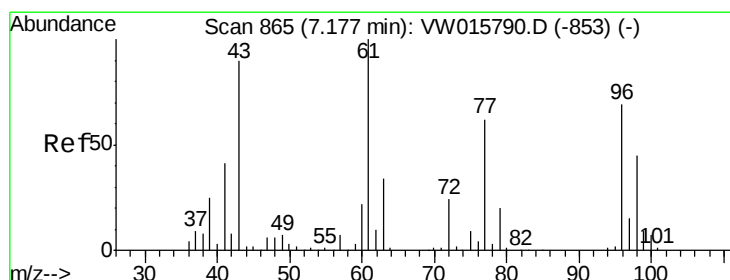
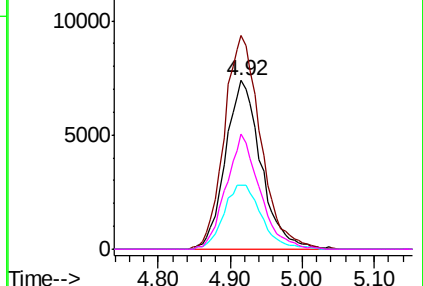
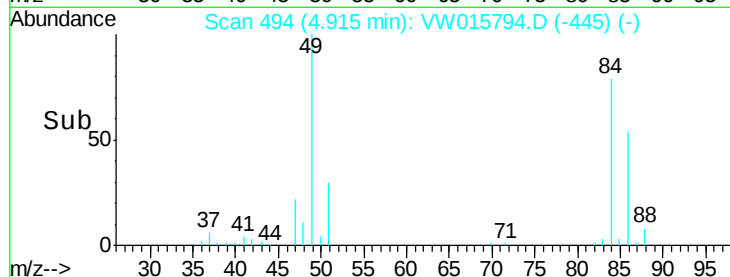


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 6.602 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW015794.D

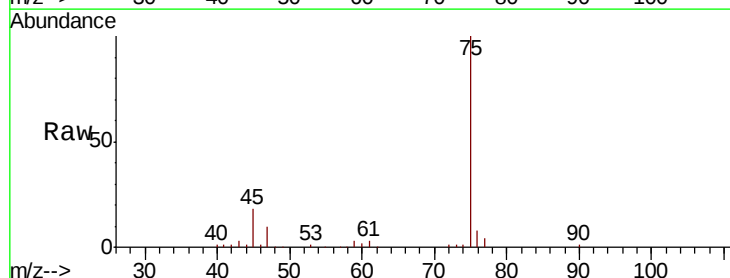
Acq: 07 Jul 2020 15:56

Tgt Ion: 43 Resp: 3008

Ion Ratio Lower Upper

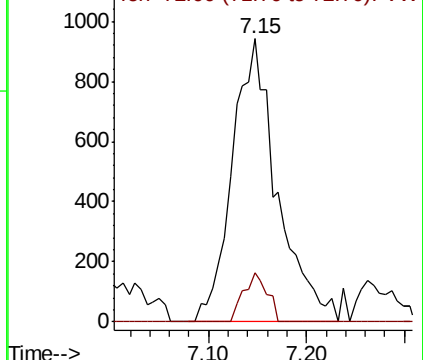
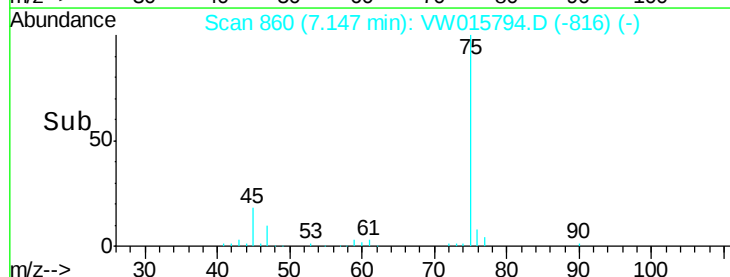
43 100

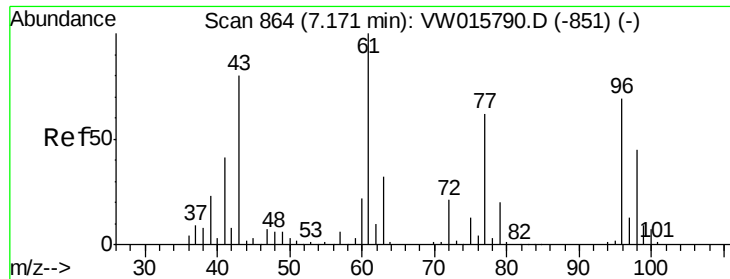
72 17.2 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

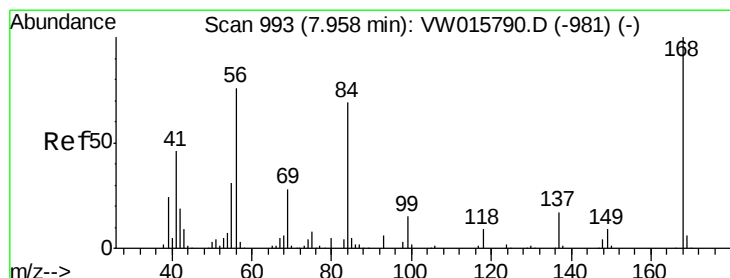
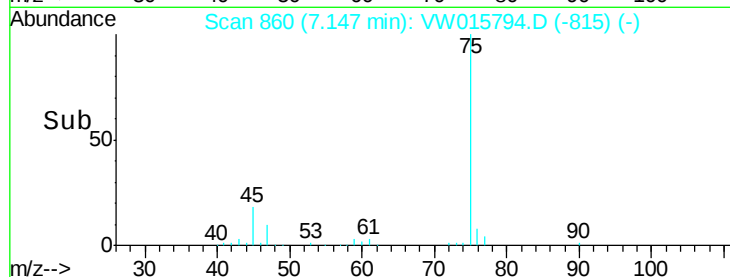
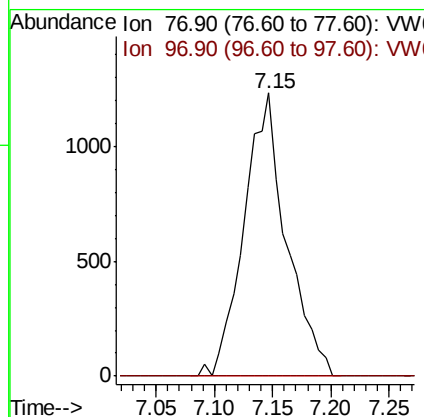
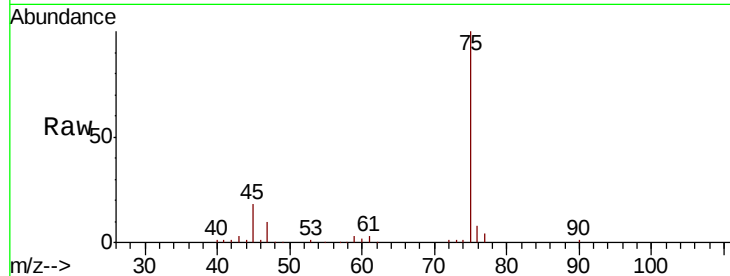




#26
 2,2-Dichloropropane
 Concen: 1.512 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 15:56

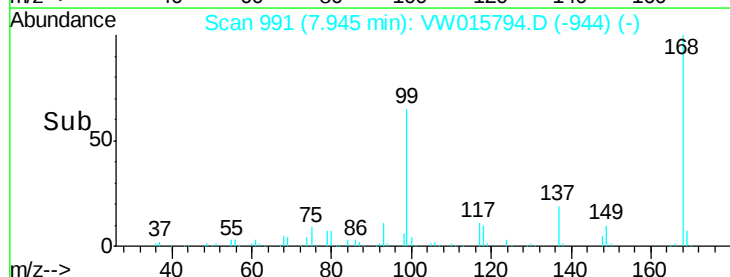
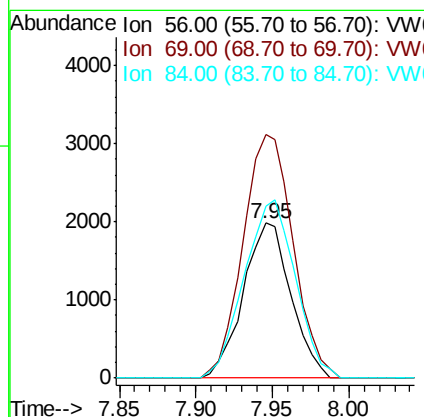
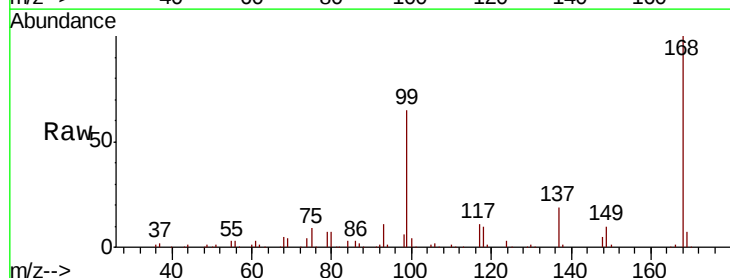
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0707SBL01

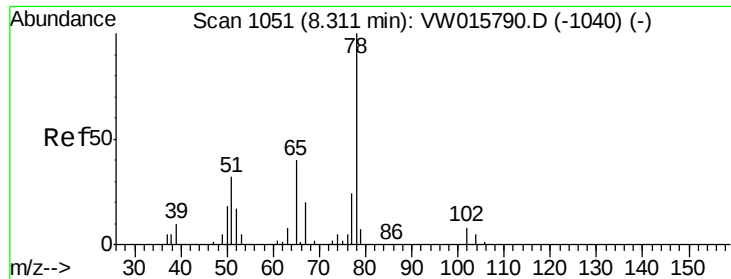
Tot Ion: 77 Resp: 3131
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#31
 Cyclohexane
 Concen: 1.387 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 15:56

Tgt Ion: 56 Resp: 4307
 Ion Ratio Lower Upper
 56 100
 69 156.9 28.9 43.3#
 84 110.6 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 57.189 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

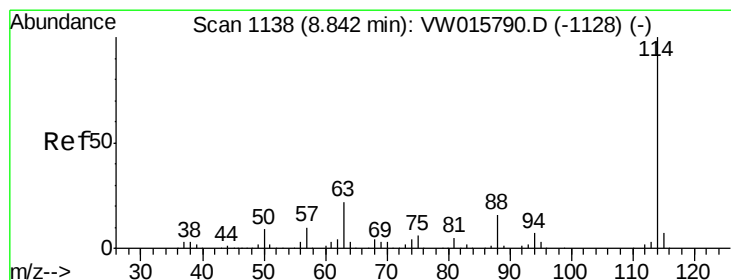
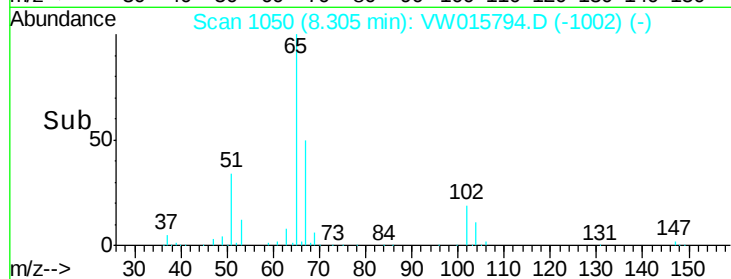
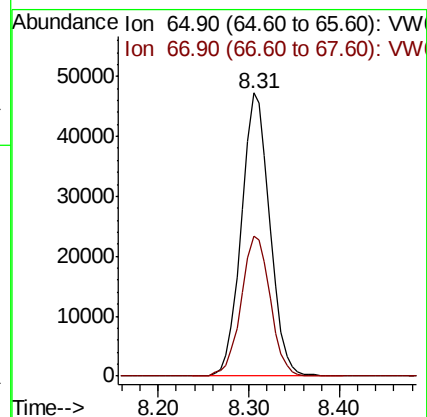
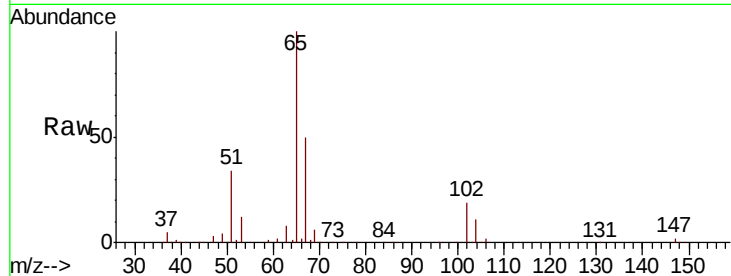
VW0707SBL01

Tot Ion: 65 Resp: 102599

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

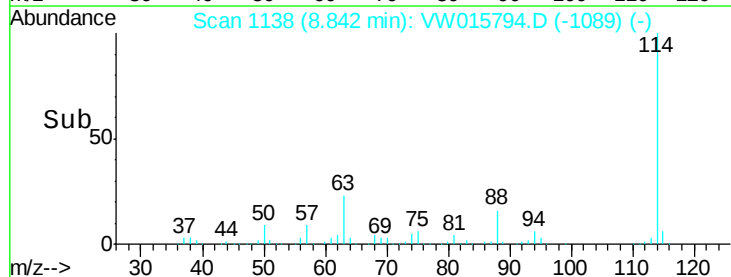
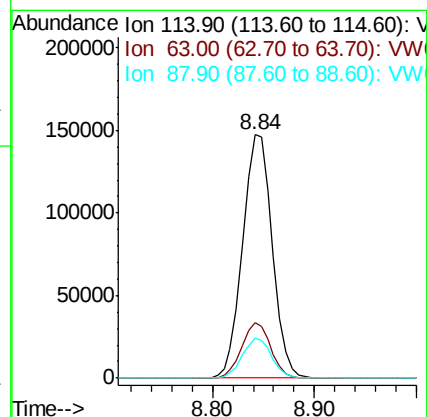
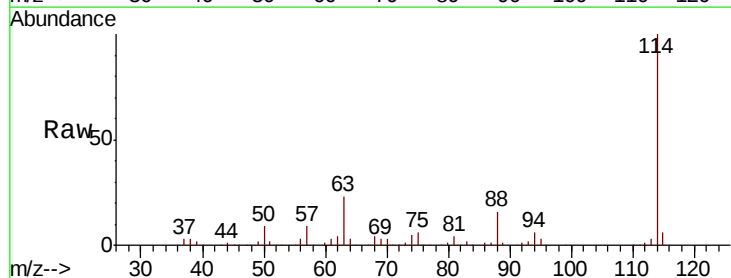
Tgt Ion: 114 Resp: 296474

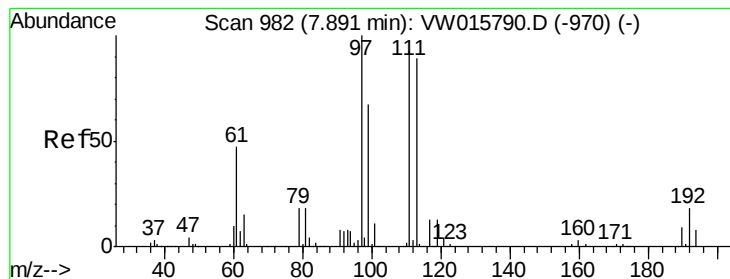
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.4

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.973 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

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ClientSampleId :

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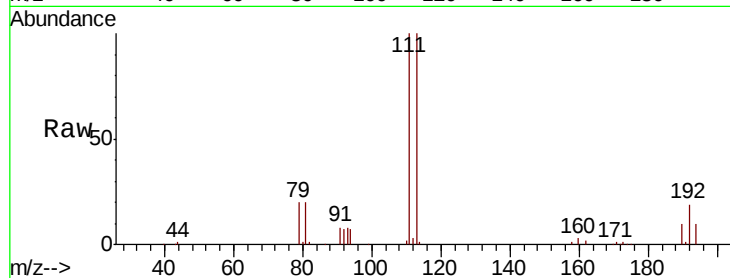
Tot Ion:113 Resp: 91627

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

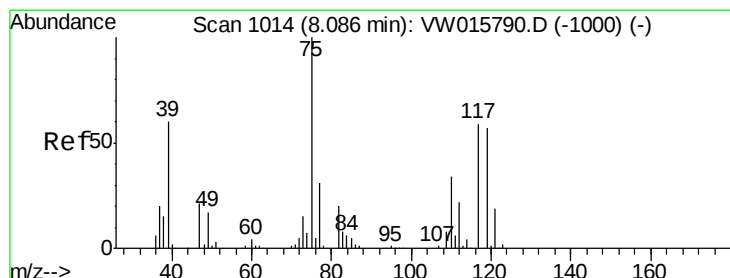
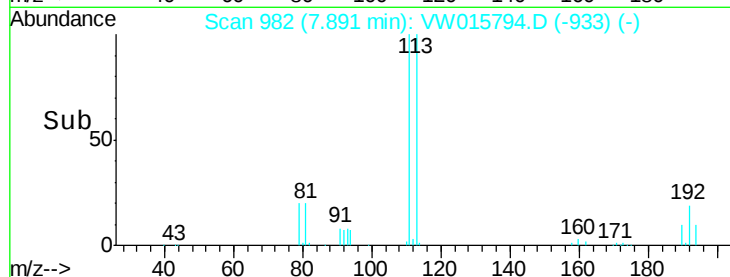
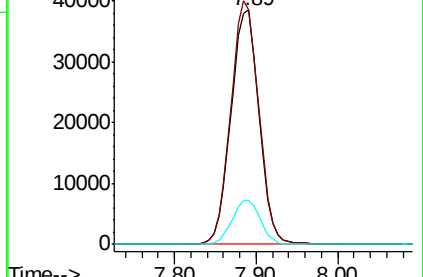
192 18.7 15.4 23.2



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: 5.205 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

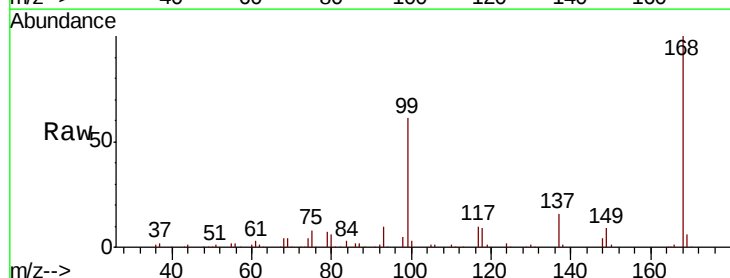
Tgt Ion: 75 Resp: 15213

Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.3#

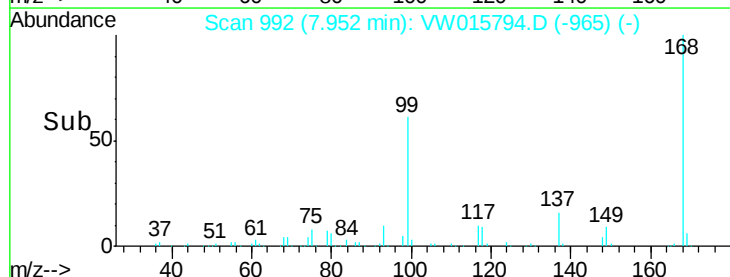
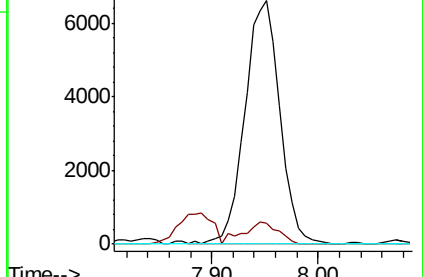
77 0.0 24.7 37.1#

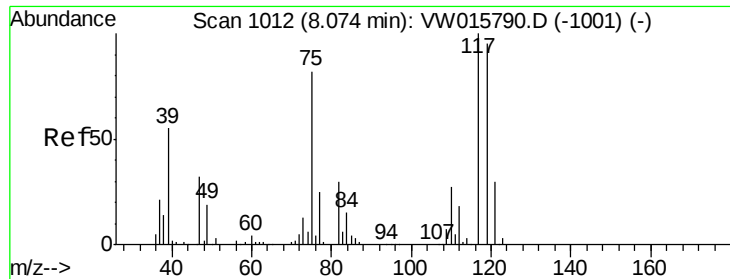


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.413 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBL01

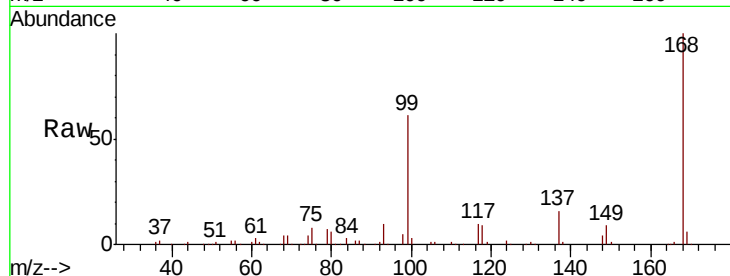
Tot Ion:117 Resp: 18135

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

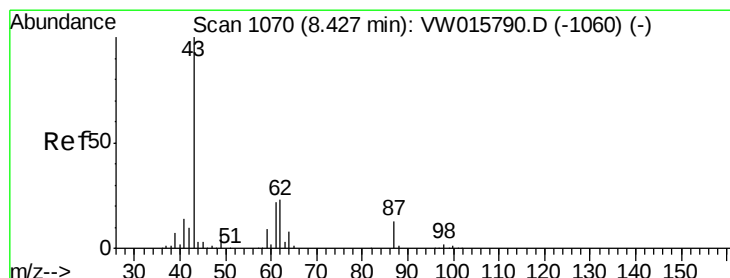
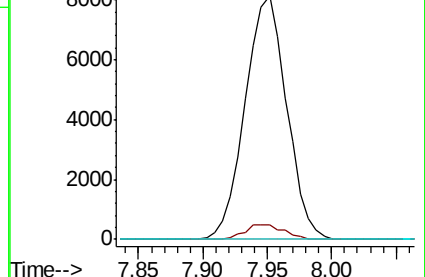
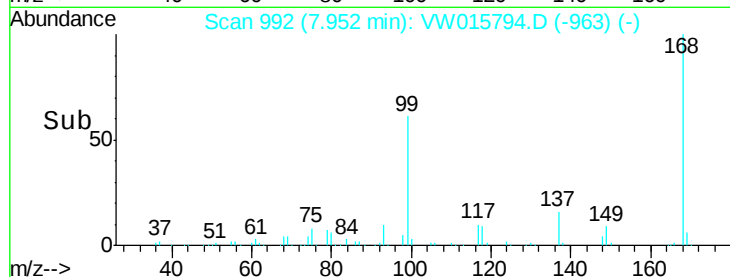
121 0.0 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 1.495 ug/l

RT: 8.26 min Scan# 1042

Delta R.T. -0.17 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

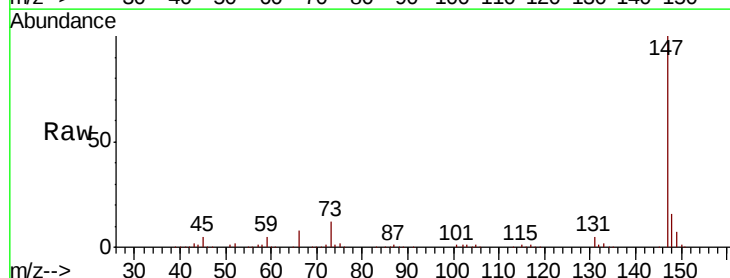
Tgt Ion: 43 Resp: 3313

Ion Ratio Lower Upper

43 100

61 14.8 24.8 37.2#

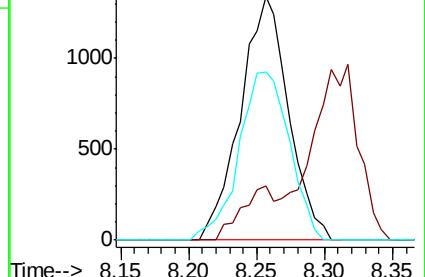
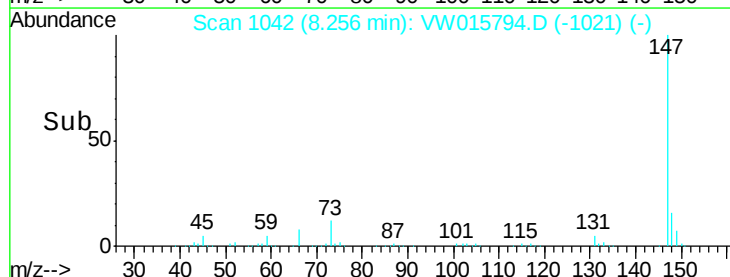
87 72.4 10.4 15.6#

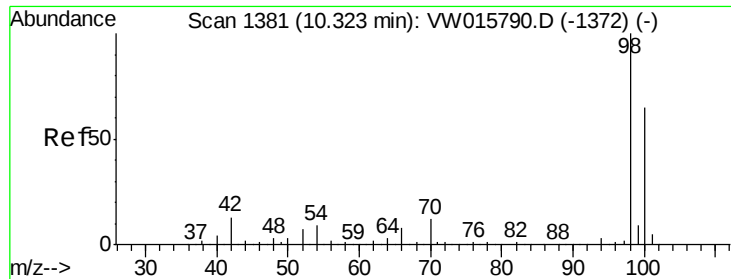


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

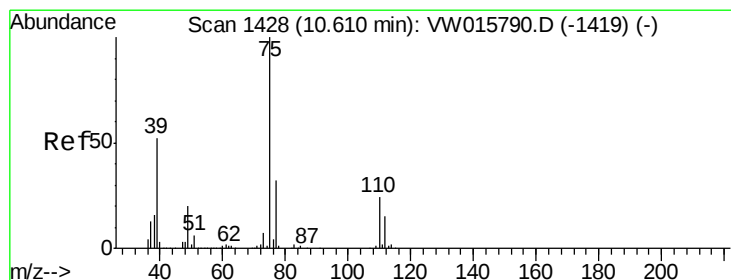
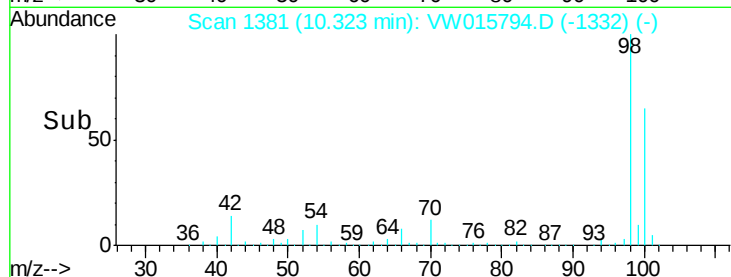
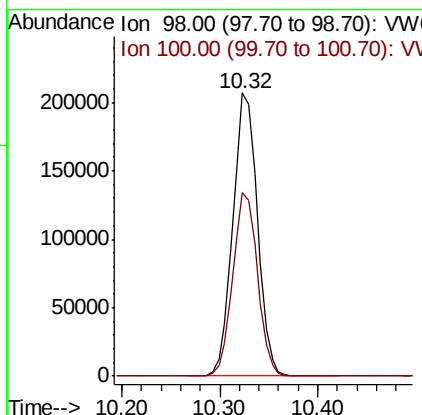
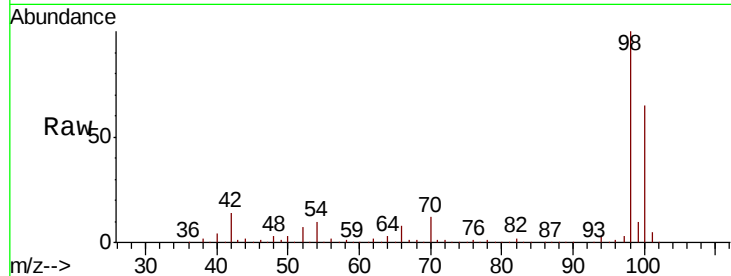




#50
Toluene-d8
Concen: 54.440 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

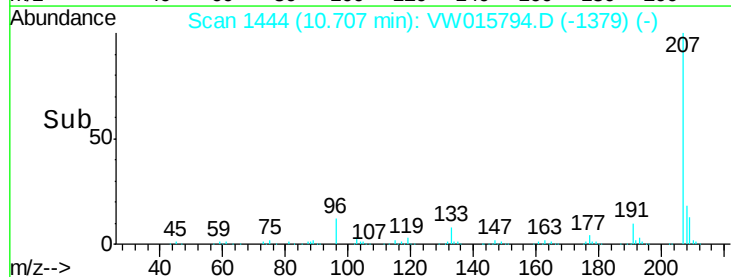
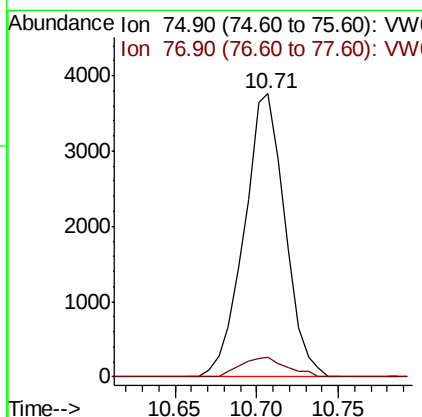
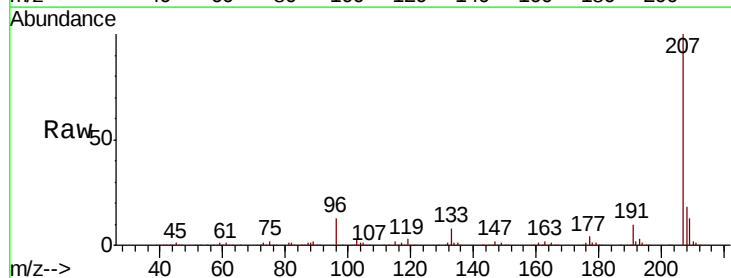
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBL01

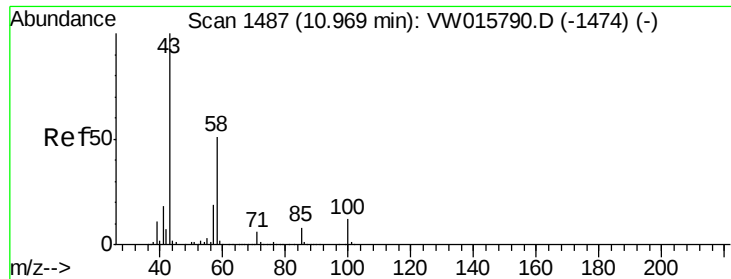
Tot Ion: 98 Resp: 361700
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0



#53
t-1,3-Dichloropropene
Concen: 2.593 ug/l
RT: 10.71 min Scan# 1444
Delta R.T. 0.10 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

Tgt Ion: 75 Resp: 6520
Ion Ratio Lower Upper
75 100
77 7.2 25.4 38.0#

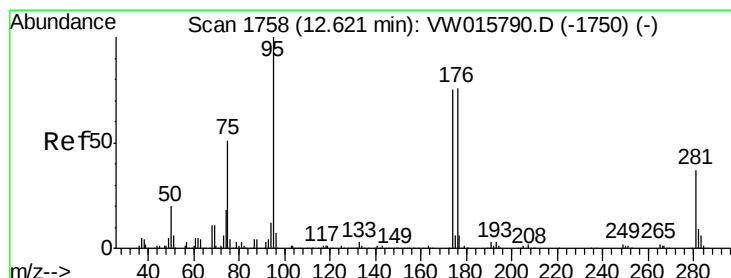
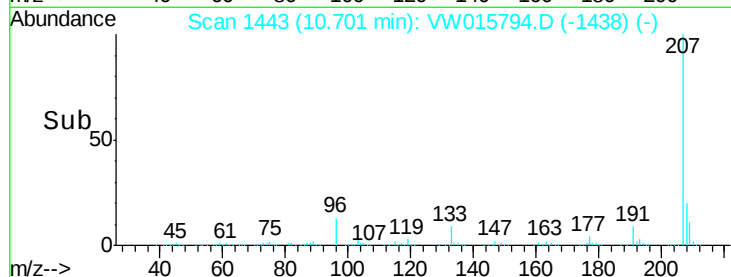
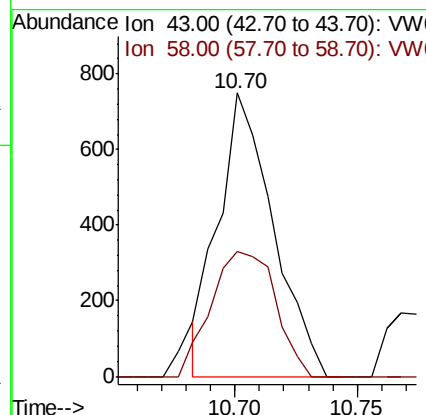
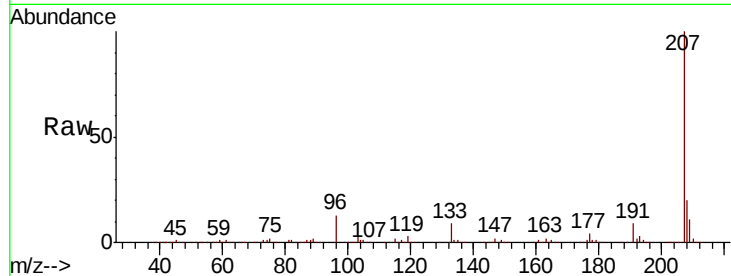




#59
2-Hexanone
Concen: 1.614 ug/l
RT: 10.70 min Scan# 1443
Delta R.T. -0.27 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

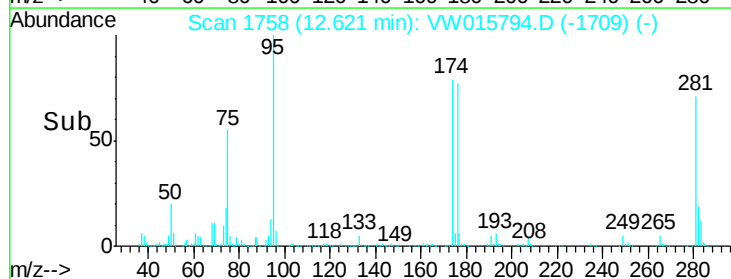
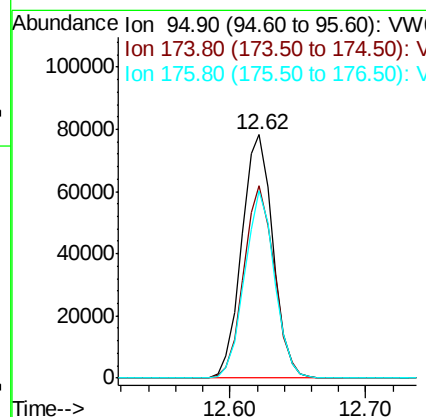
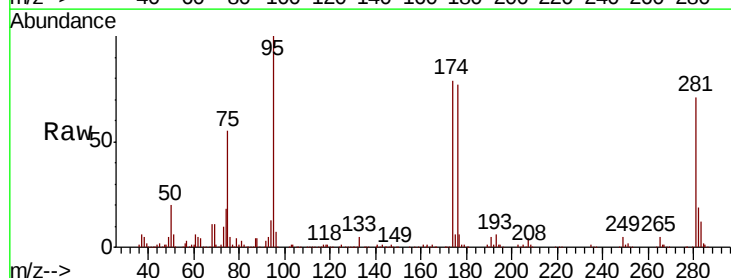
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBL01

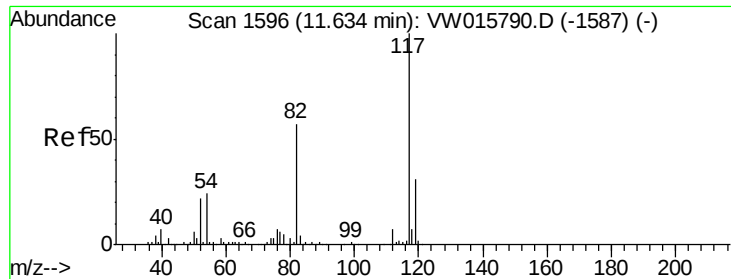
Tot Ion: 43 Resp: 1165
Ion Ratio Lower Upper
43 100
58 49.0 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 51.561 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

Tgt Ion: 95 Resp: 125704
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.2
176 73.6 0.0 148.4

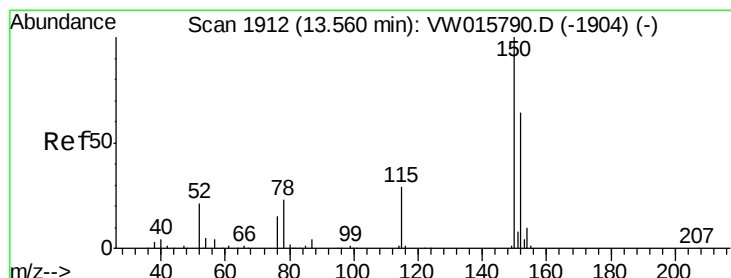
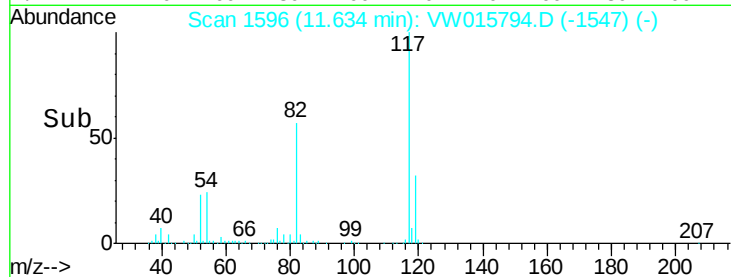
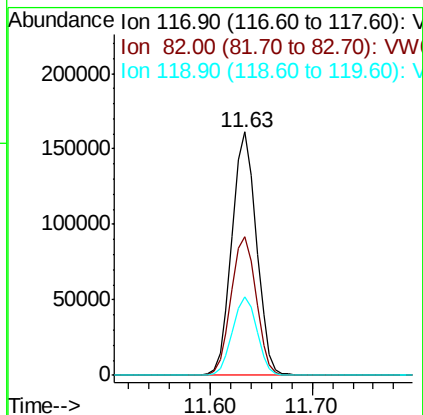
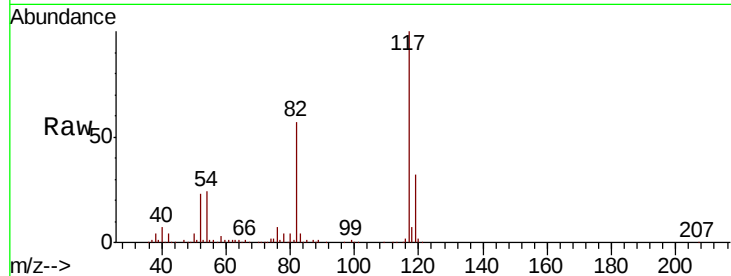




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

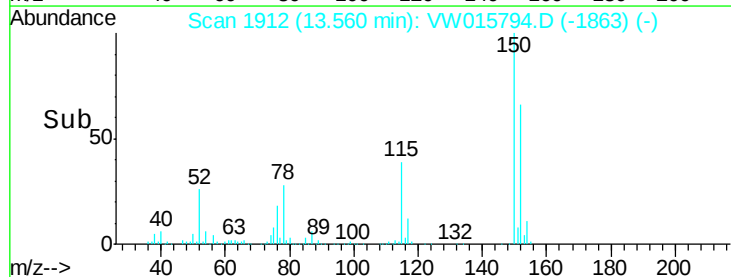
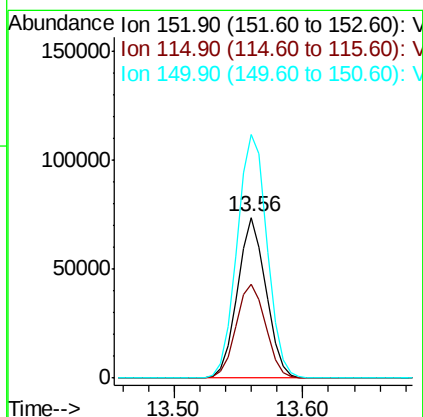
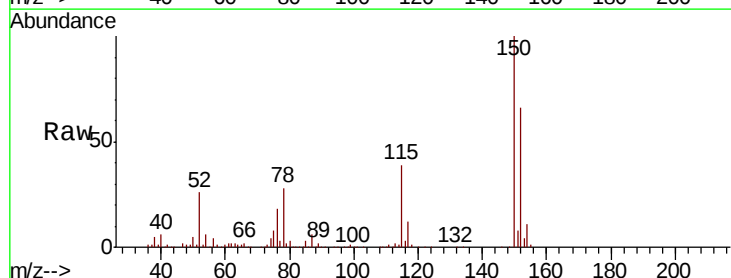
Instrument :
MSVOA_W
ClientSampleId :
VW0707SBL01

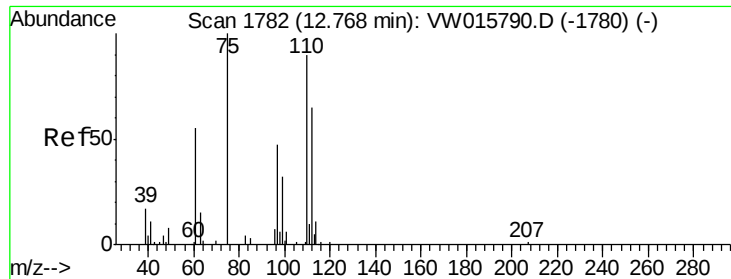
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.5	68.3
119	32.4	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.9	89.7
150	159.9	0.0	350.8





#76

1,2,3-Trichloropropane

Concen: 70.940 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

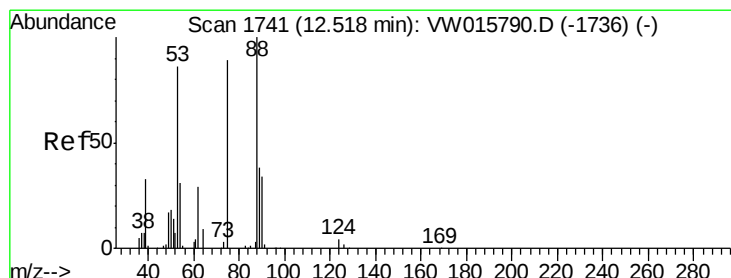
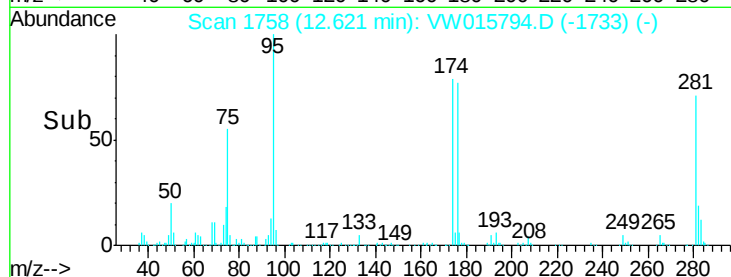
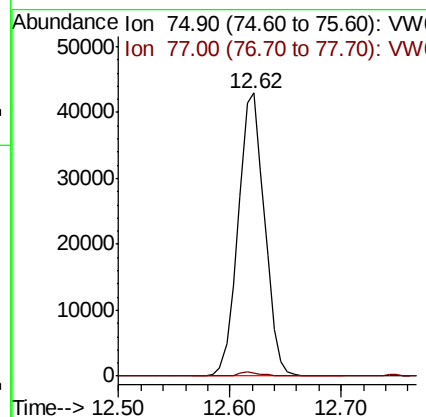
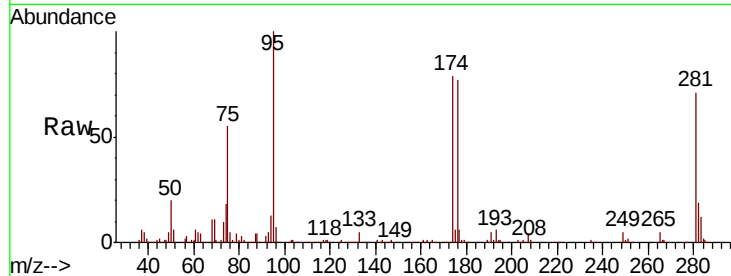
VW0707SBL01

Tot Ion: 75 Resp: 70277

Ion Ratio Lower Upper

75 100

77 1.4 177.3 532.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.617 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

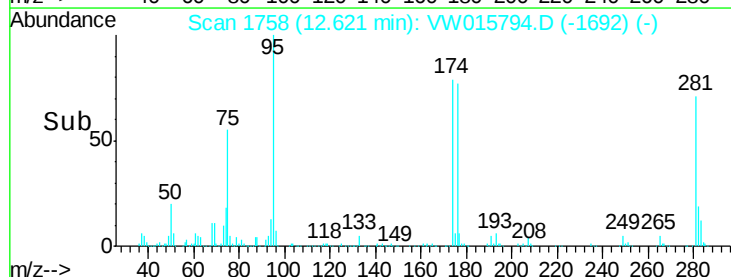
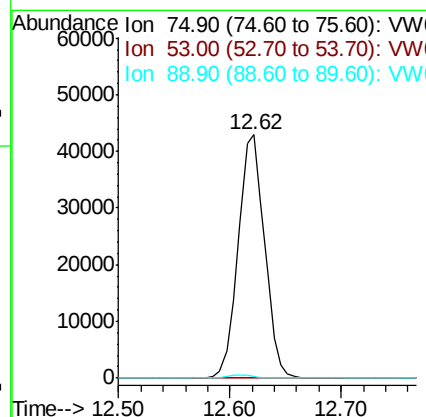
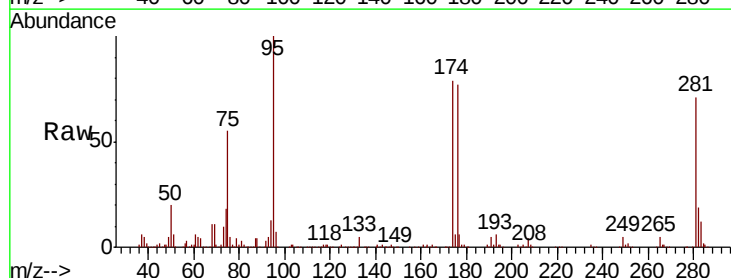
Tgt Ion: 75 Resp: 70277

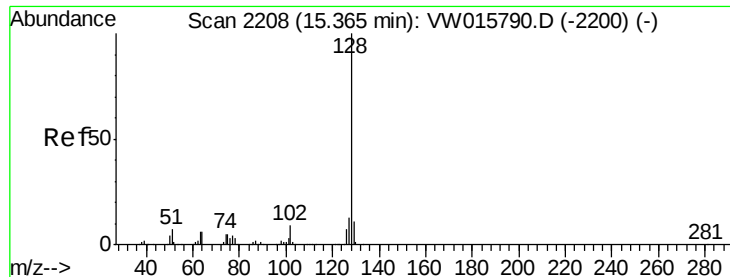
Ion Ratio Lower Upper

75 100

53 0.0 85.9 128.9#

89 1.2 36.2 54.4#





#95

Naphthalene

Concen: 3.091 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015794.D

Acq: 07 Jul 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0707SBL01

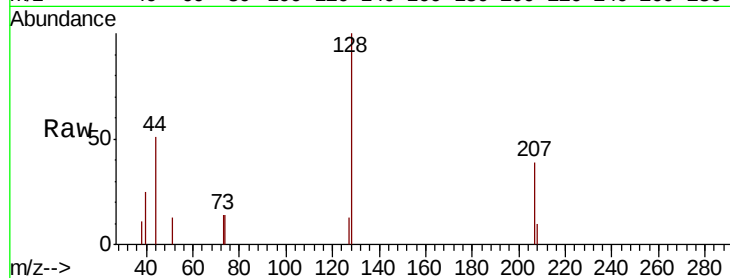
Tot Ion:128 Resp: 1081

Ion Ratio Lower Upper

128 100

127 6.8 10.6 16.0#

129 2.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

