

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015794.D
 Acq On : 07 Jul 2020 16:31
 Operator : SY/VA
 Sample : VW0707SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 08 09:04:54 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	206115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145360	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	111328	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.88	113	96933	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	10.32	98	366358	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.62	95	133884	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

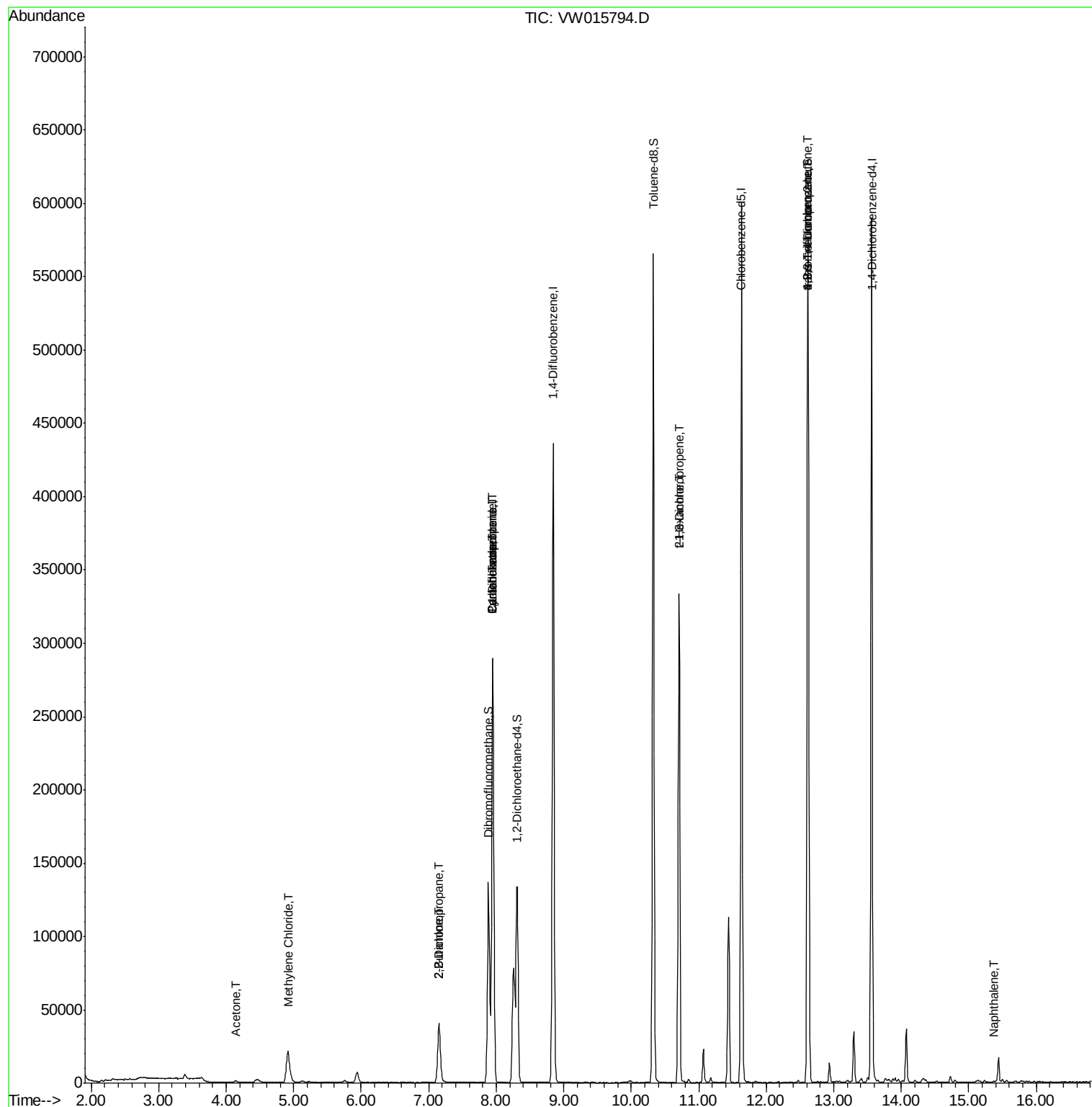
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	473	Below Cal	#	71
16) Acetone	4.14	43	2431	6.121	ug/l	98
20) Methylene Chloride	4.92	84	17618	4.487	ug/l	93
25) 2-Butanone	7.16	43	2439	4.524	ug/l #	76
26) 2,2-Dichloropropane	7.15	77	2769	1.130	ug/l #	54
31) Cyclohexane	7.95	56	5333	1.451	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	18019	5.207	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21858	6.528	ug/l #	16
53) t-1,3-Dichloropropene	10.70	75	4854	1.631	ug/l #	59
59) 2-Hexanone	10.70	43	874	1.023	ug/l	86
76) 1,2,3-Trichloropropane	12.62	75	75882	59.398	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	75882	128.392	ug/l #	7
95) Naphthalene	15.37	128	737	2.959	ug/l #	77

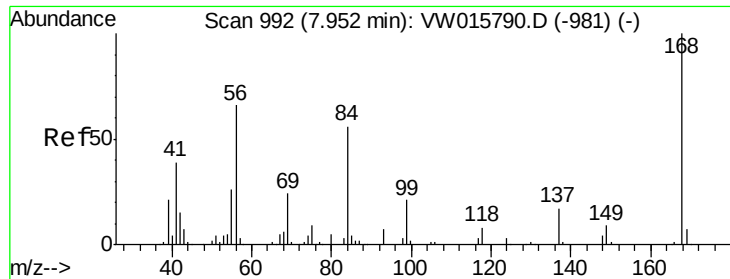
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015794.D

Acq: 07 Jul 2020 16:31

Instrument :

MSVOA_W

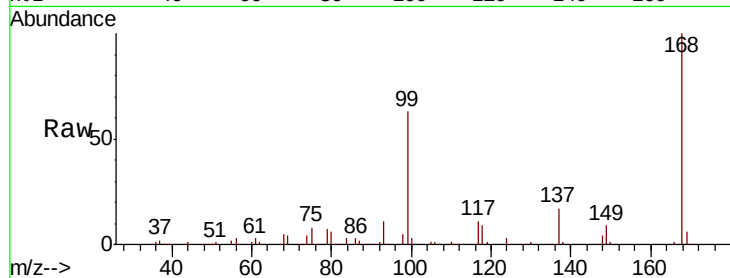
ClientSampled :

Tot Ion:168 Resp: 206115

Ion Ratio Lower Upper

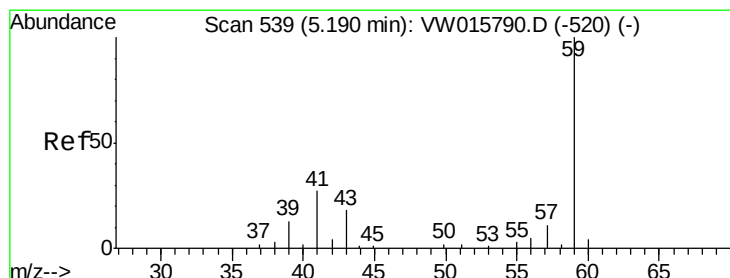
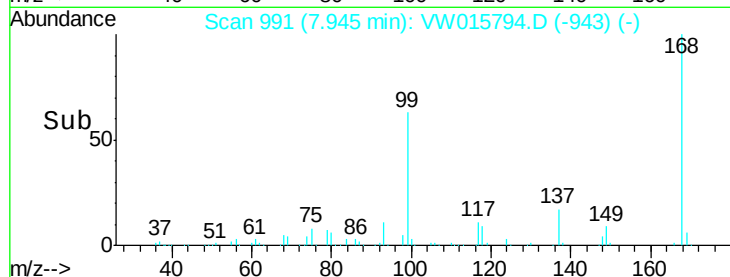
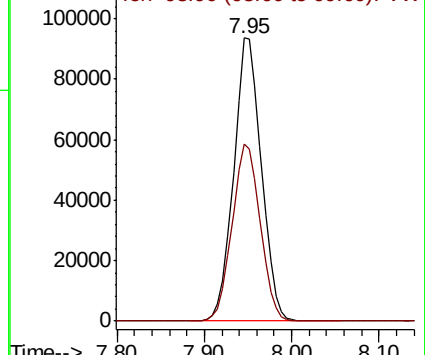
168 100

99 62.7 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.03 min

Lab File: VW015794.D

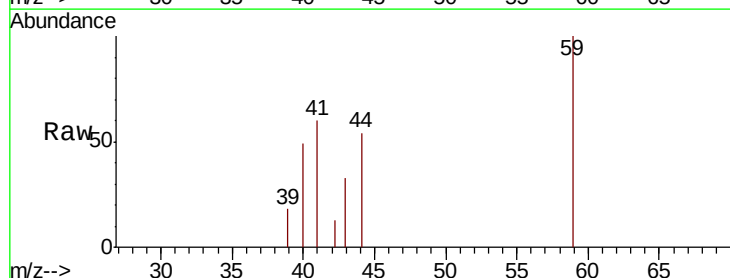
Acq: 07 Jul 2020 16:31

Tgt Ion: 59 Resp: 473

Ion Ratio Lower Upper

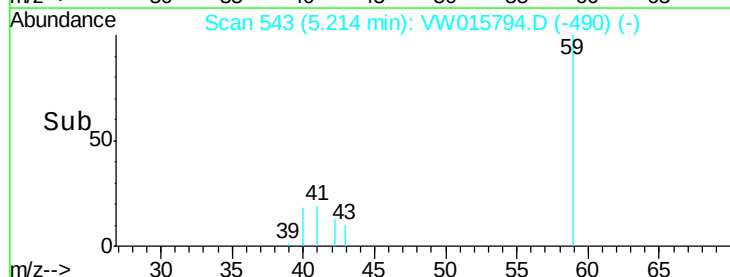
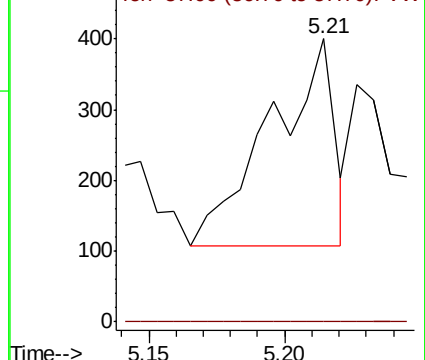
59 100

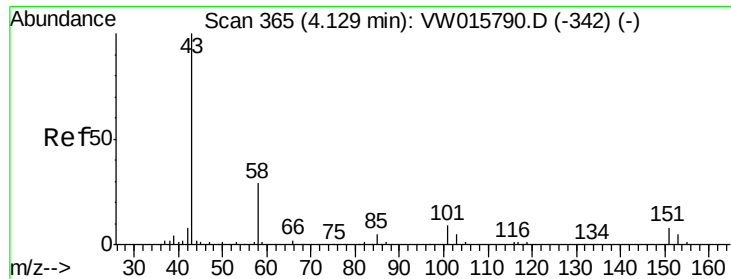
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

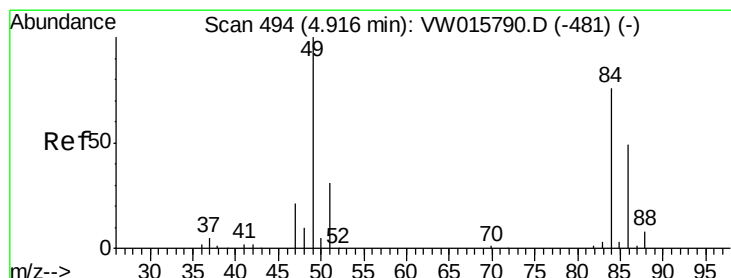
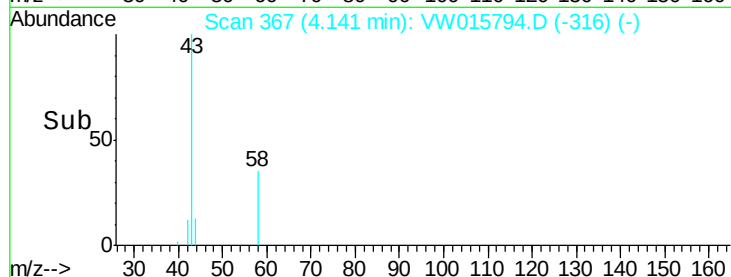
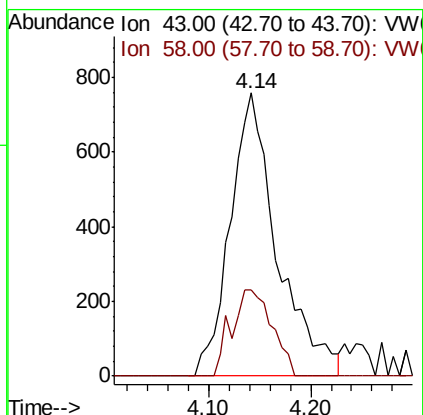
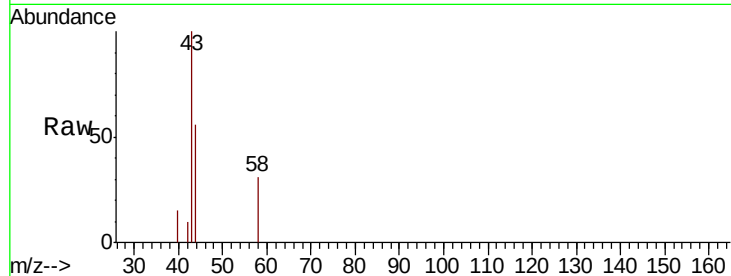




#16
Acetone
Concen: 6.121 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

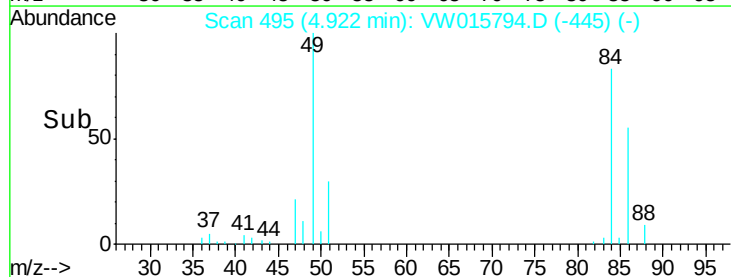
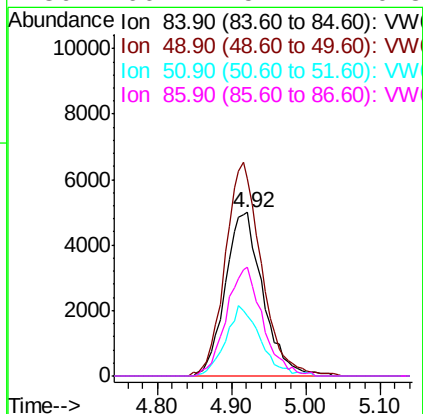
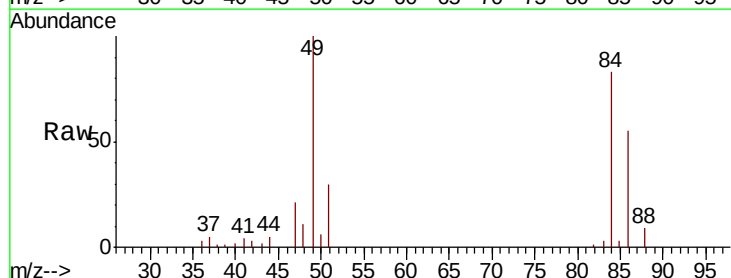
Instrument :
MSVOA_W
ClientSampleId :

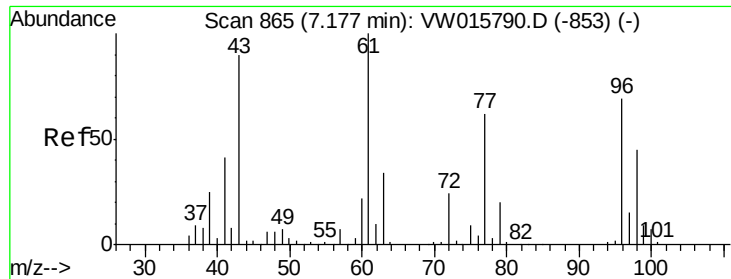
Tot Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
58 30.6 23.5 35.3



#20
Methylene Chloride
Concen: 4.487 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

Tgt Ion: 84 Resp: 17618
Ion Ratio Lower Upper
84 100
49 120.4 105.0 157.6
51 36.4 32.3 48.5
86 66.7 51.2 76.8

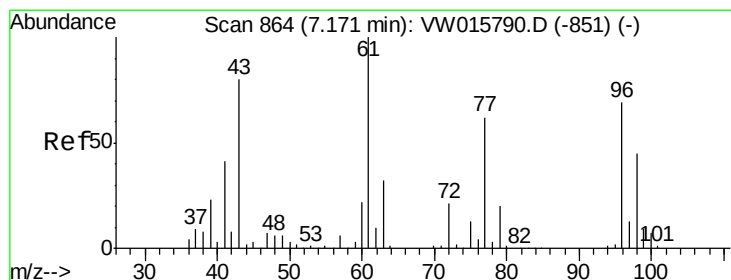
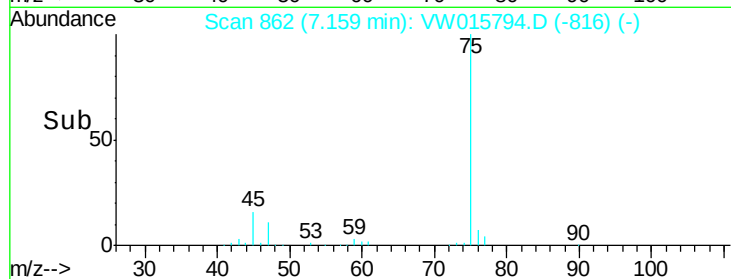
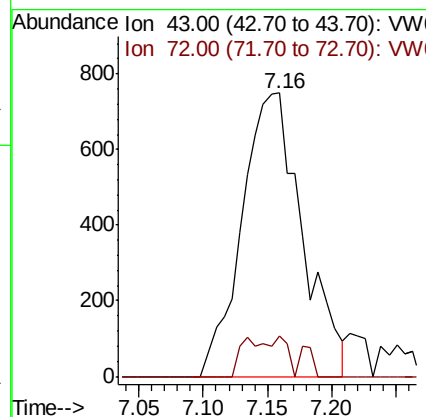
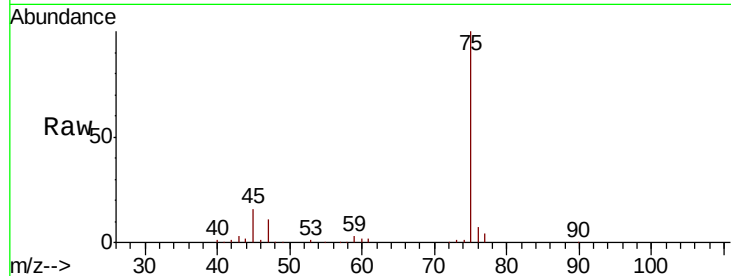




#25
 2-Butanone
 Concen: 4.524 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

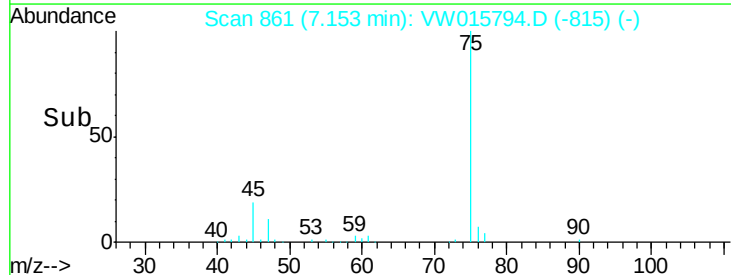
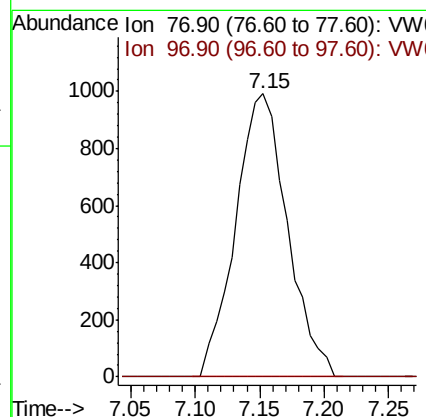
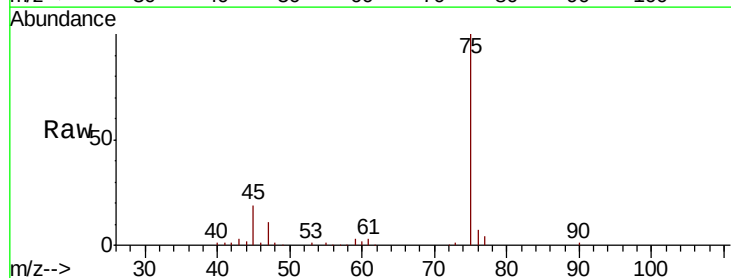
Instrument :
 MSVOA_W
 ClientSampled :

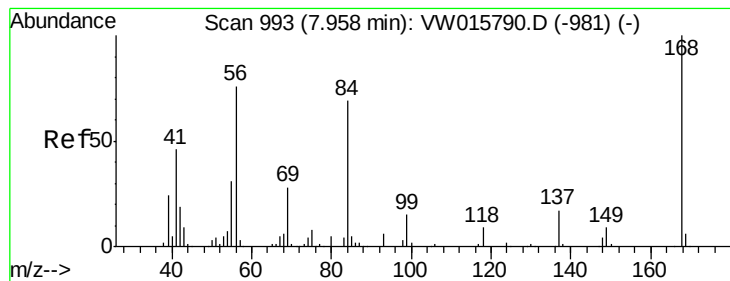
Tot Ion: 43 Resp: 2439
 Ion Ratio Lower Upper
 43 100
 72 14.3 21.3 31.9#



#26
 2,2-Dichloropropane
 Concen: 1.130 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

Tgt Ion: 77 Resp: 2769
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#





#31

Cyclohexane

Concen: 1.451 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015794.D

Acq: 07 Jul 2020 16:31

Instrument :

MSVOA_W

ClientSampled :

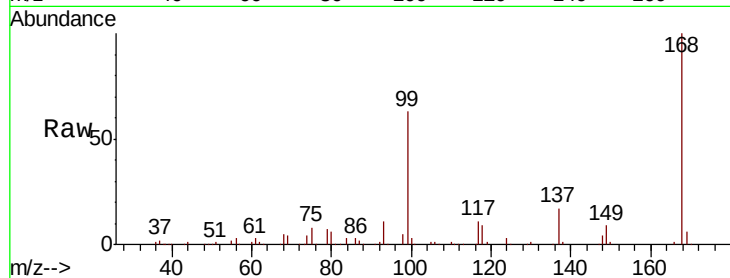
Tot Ion: 56 Resp: 5333

Ion Ratio Lower Upper

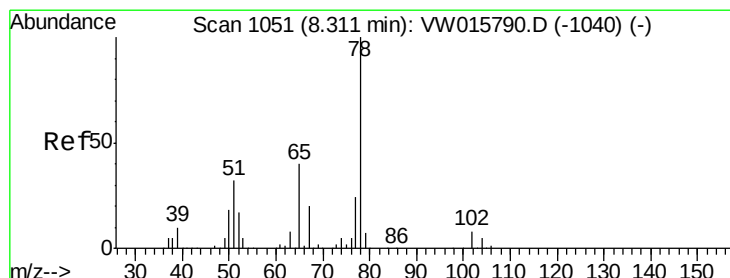
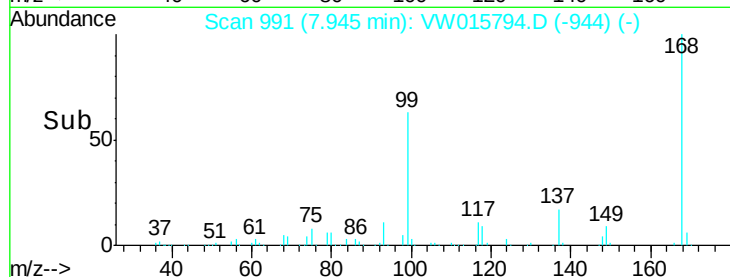
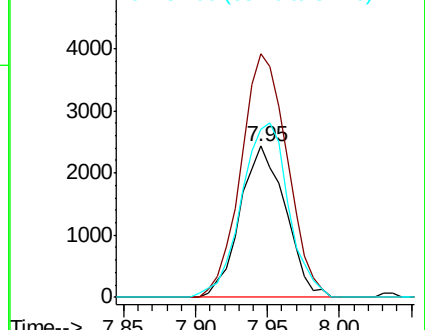
56 100

69 161.1 28.9 43.3#

84 111.3 72.2 108.4#



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: 52.452 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW015794.D

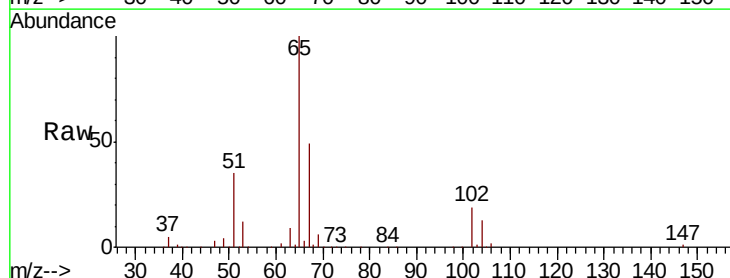
Acq: 07 Jul 2020 16:31

Tgt Ion: 65 Resp: 111328

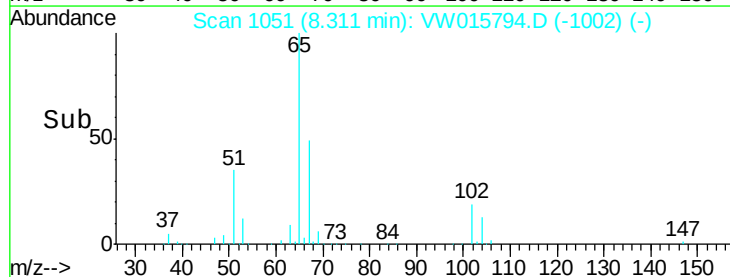
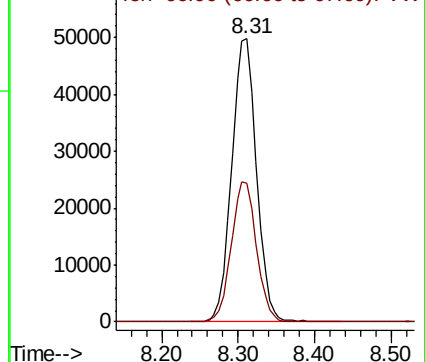
Ion Ratio Lower Upper

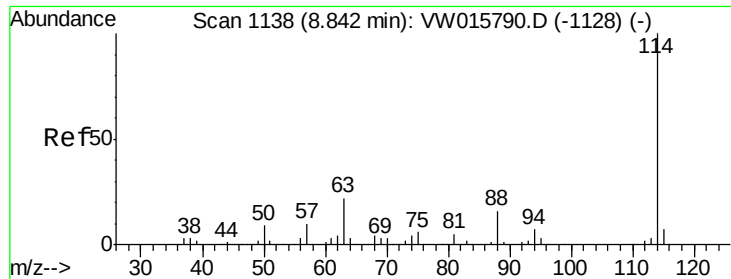
65 100

67 50.3 0.0 101.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

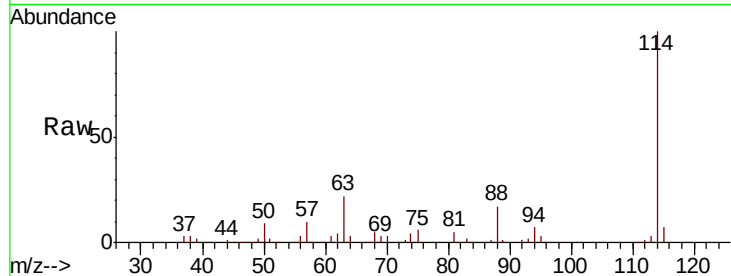
Tot Ion:114 Resp: 351042

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

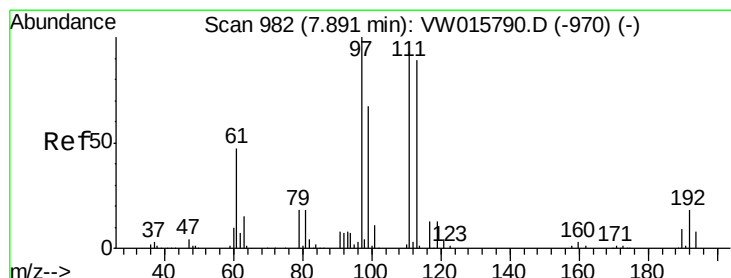
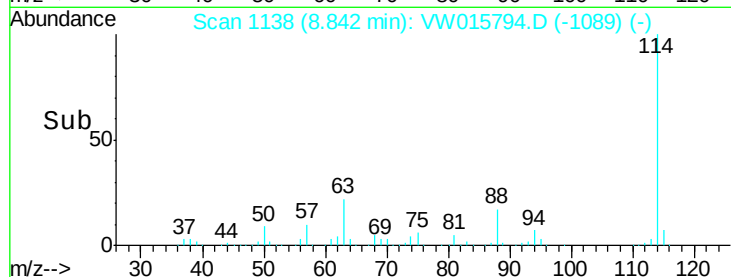
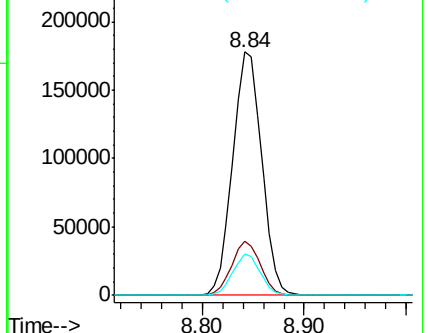
88 16.9 0.0 32.6



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: 47.330 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015794.D

Acq: 07 Jul 2020 16:31

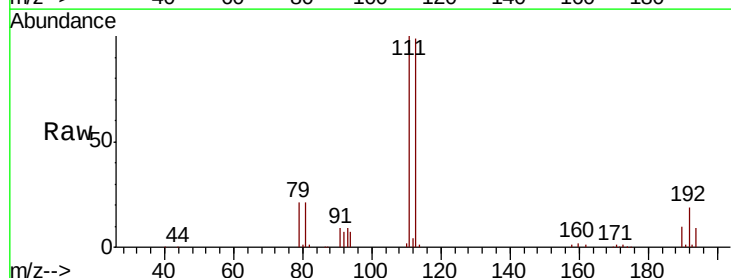
Tgt Ion:113 Resp: 96933

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

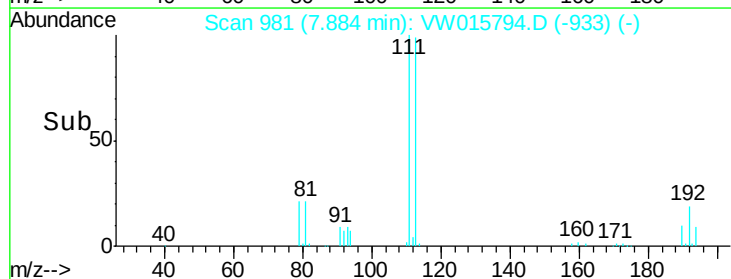
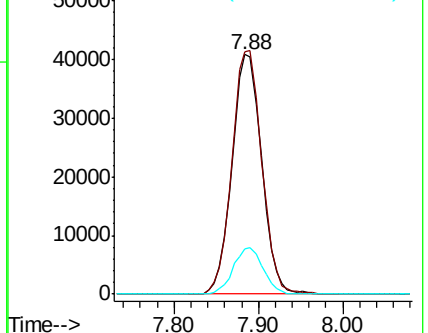
192 19.3 15.4 23.2

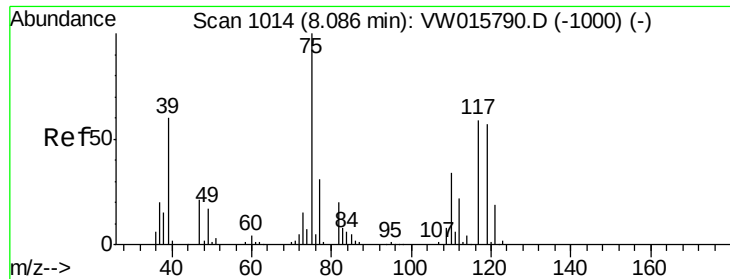


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

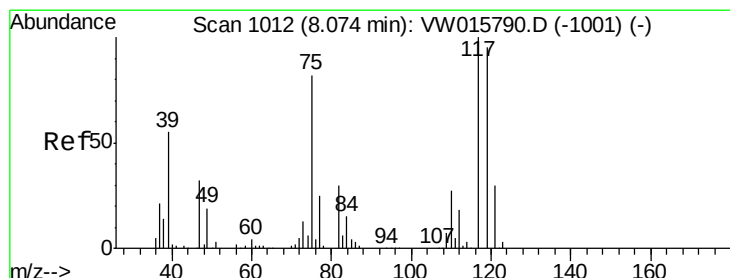
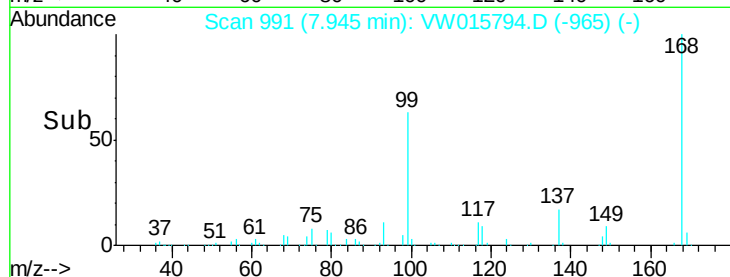
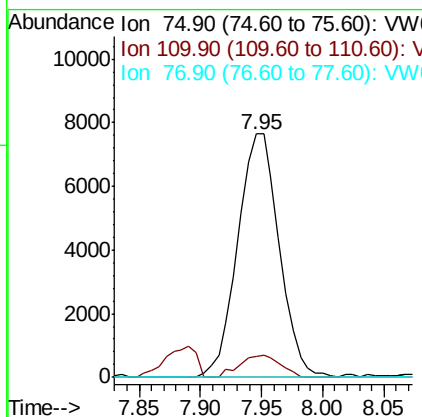
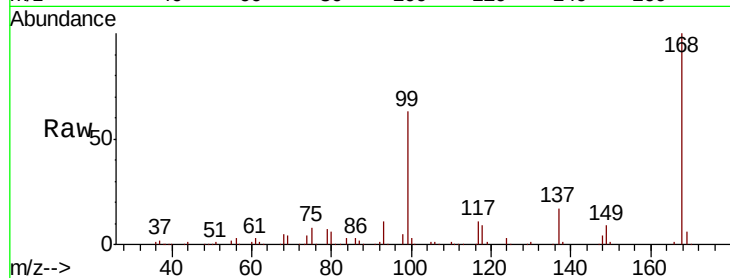




#36
 1,1-Dichloropropene
 Concen: 5.207 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

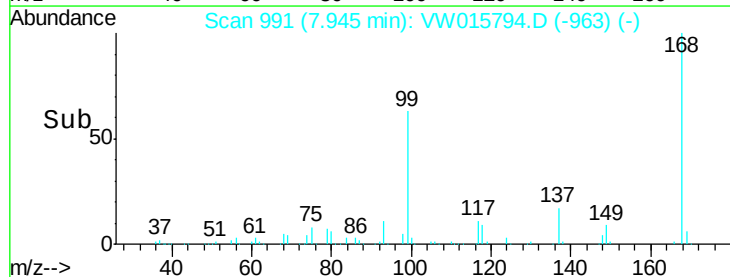
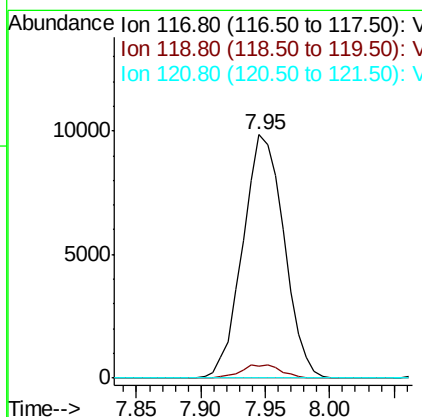
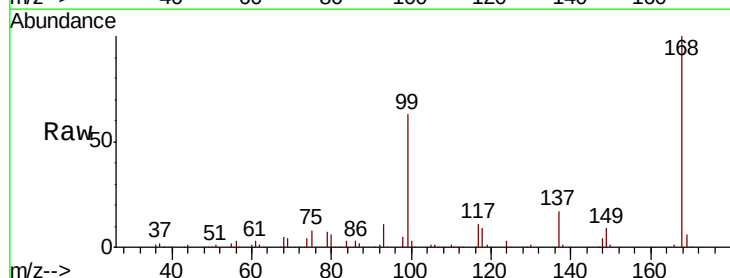
Instrument :
 MSVOA_W
 ClientSampleId :

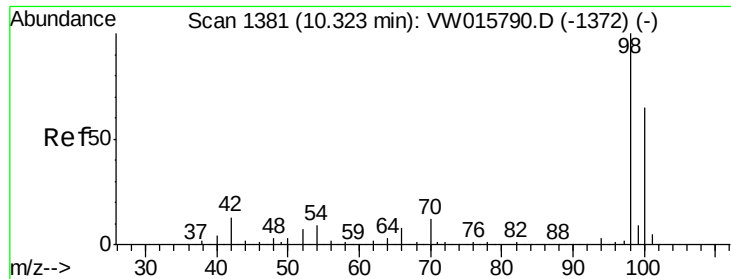
Tot Ion	75	Resp	18019
Ion Ratio	Lower	Upper	
75	100		
110	9.0	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.528 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

Tgt Ion	117	Resp	21858
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.3	114.5#
121	0.0	24.0	36.0#

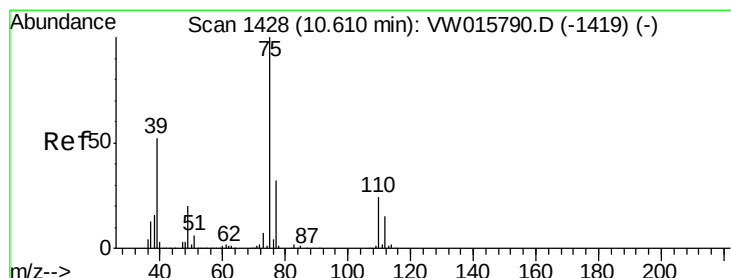
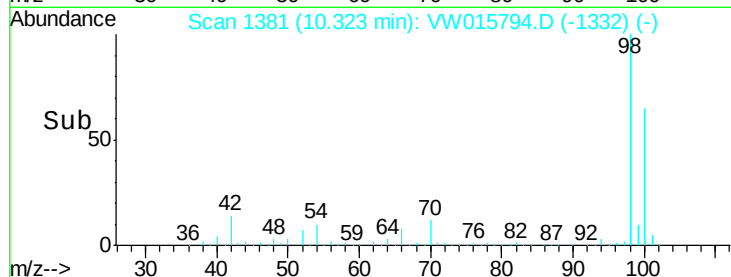
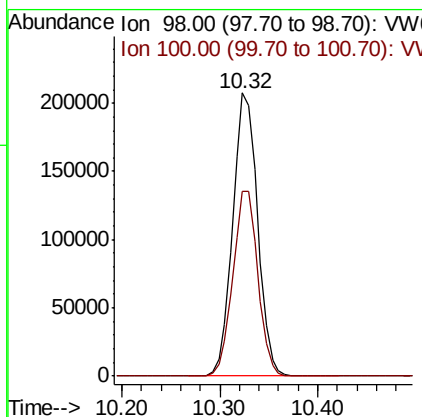
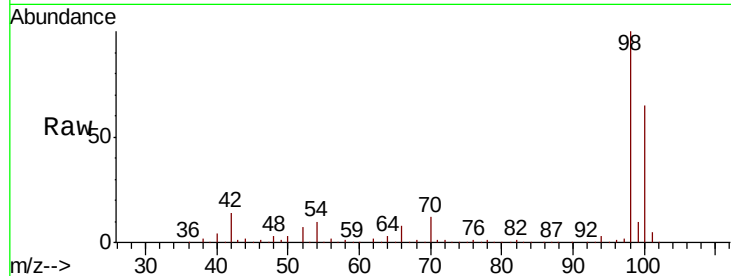




#50
Toluene-d8
Concen: 46.570 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

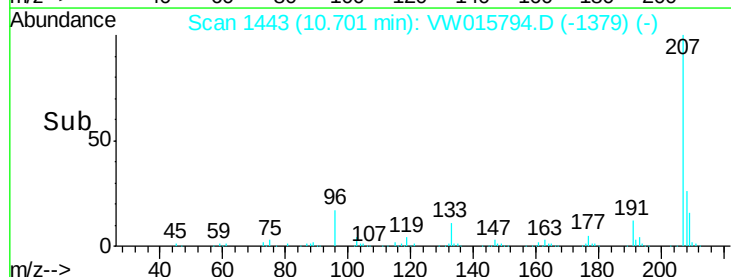
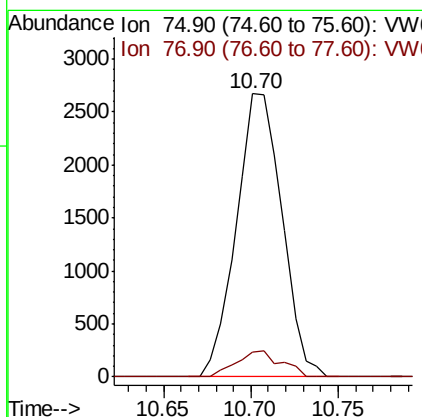
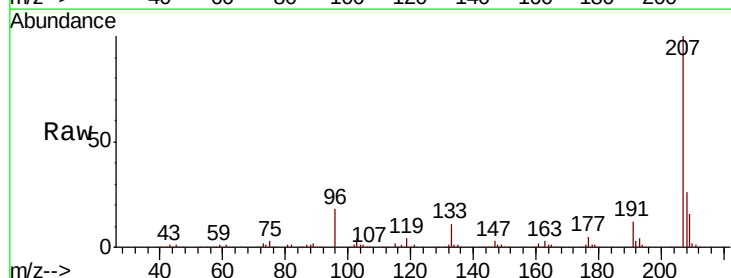
Instrument :
MSVOA_W
ClientSampled :

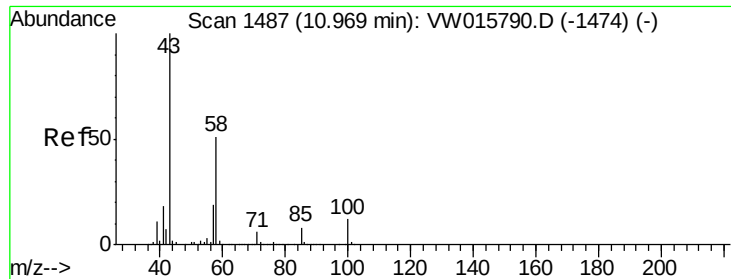
Tot Ion: 98 Resp: 366358
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0



#53
t-1,3-Dichloropropene
Concen: 1.631 ug/l
RT: 10.70 min Scan# 1443
Delta R.T. 0.09 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

Tgt Ion: 75 Resp: 4854
Ion Ratio Lower Upper
75 100
77 8.8 25.4 38.0#

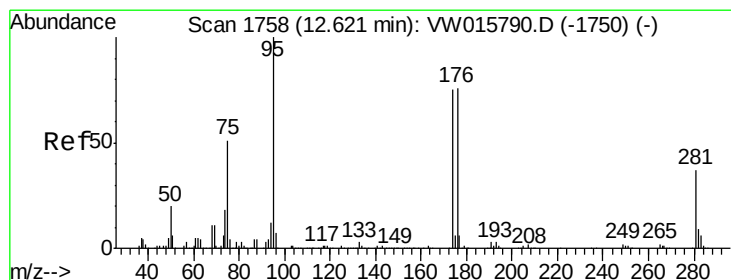
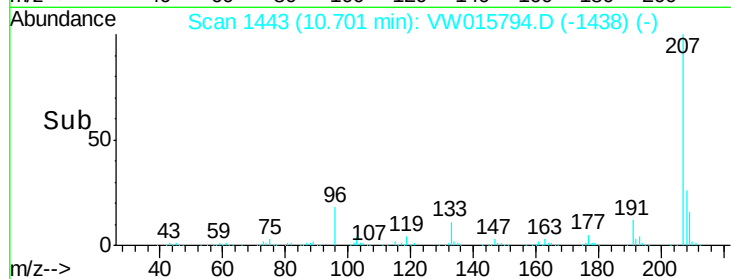
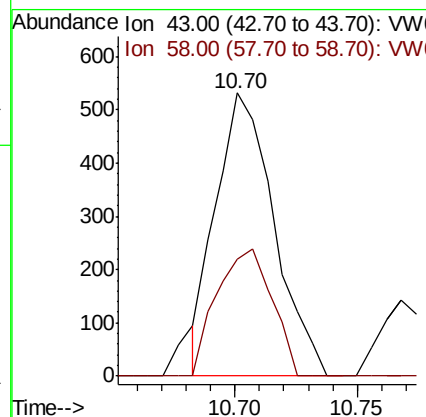
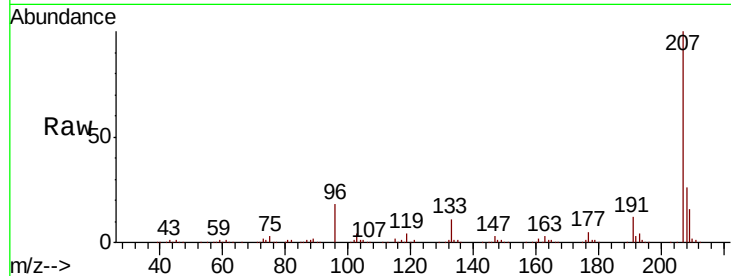




#59
2-Hexanone
Concen: 1.023 ug/l
RT: 10.70 min Scan# 1443
Delta R.T. -0.27 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

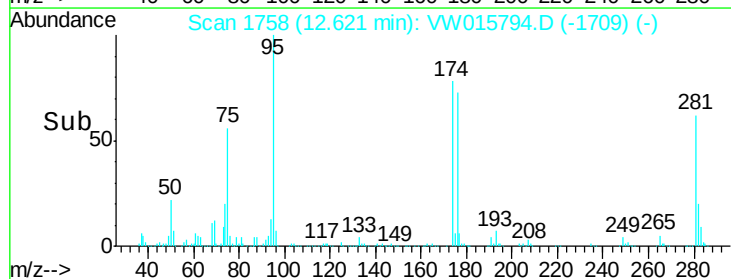
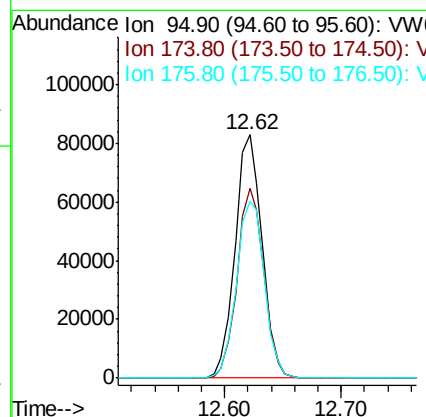
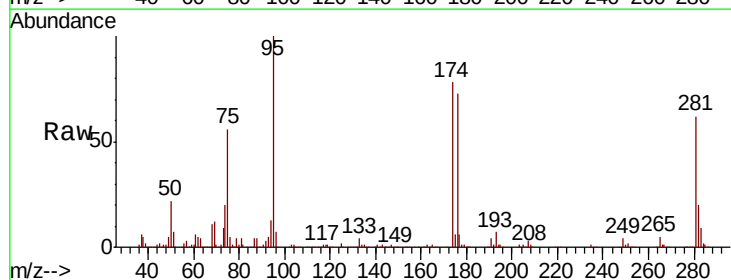
Instrument :
MSVOA_W
ClientSampleId :

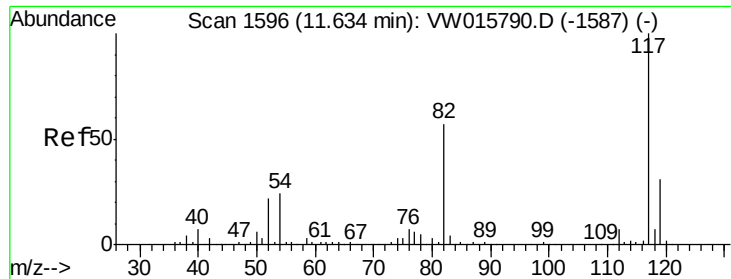
Tot Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 42.7 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 46.380 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

Tgt Ion: 95 Resp: 133884
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.2
176 75.5 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 16:31

Instrument :

MSVOA_W

ClientSampleId :

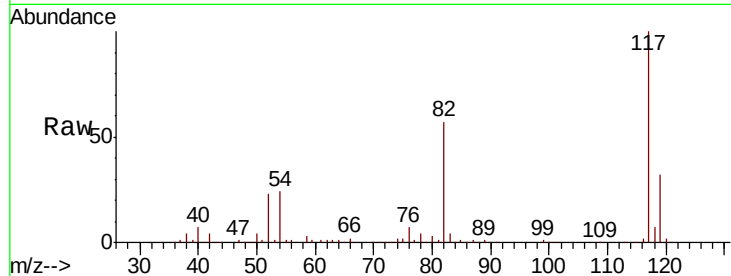
Tot Ion:117 Resp: 315150

Ion Ratio Lower Upper

117 100

82 57.0 45.5 68.3

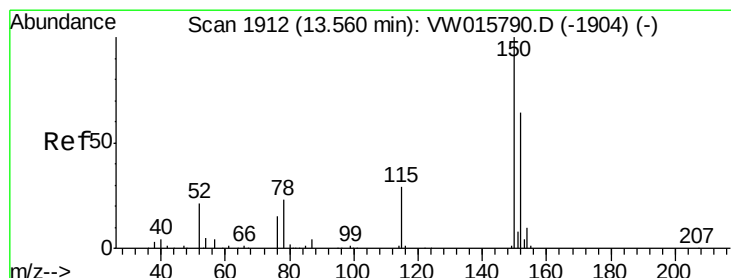
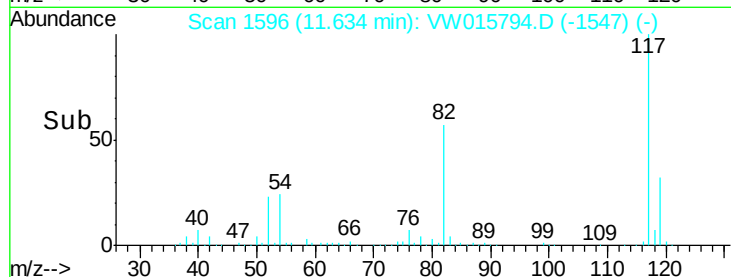
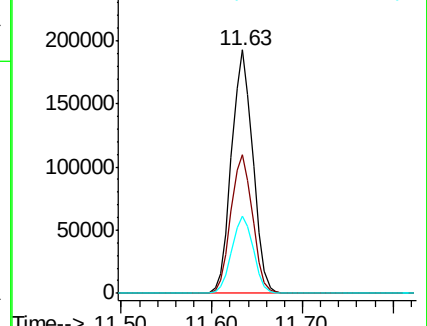
119 31.5 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015794.D

Acq: 07 Jul 2020 16:31

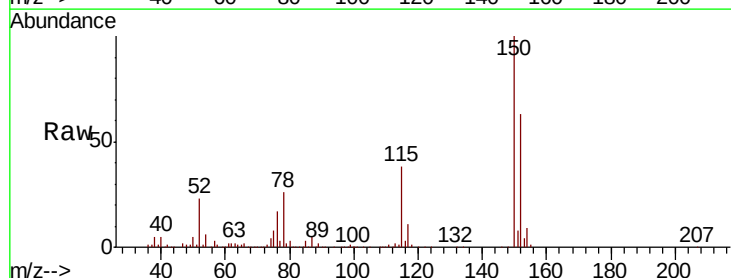
Tgt Ion:152 Resp: 145360

Ion Ratio Lower Upper

152 100

115 60.3 29.9 89.7

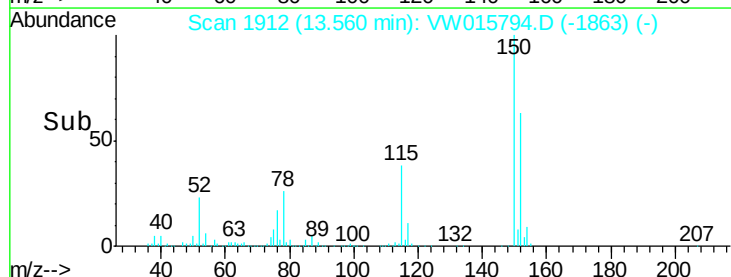
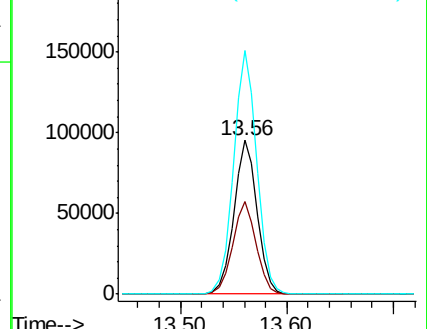
150 158.4 0.0 350.8

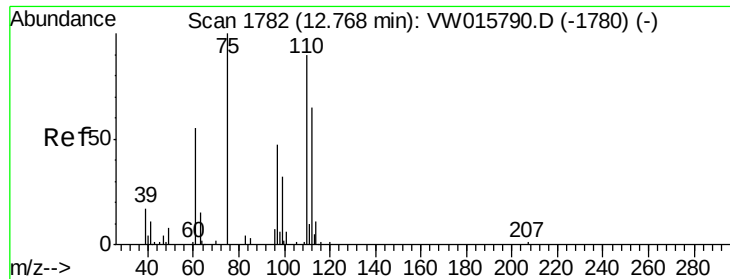


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

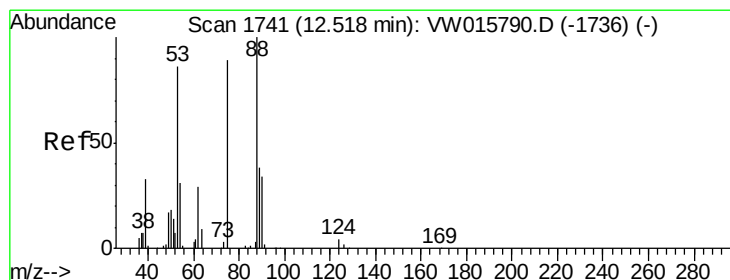
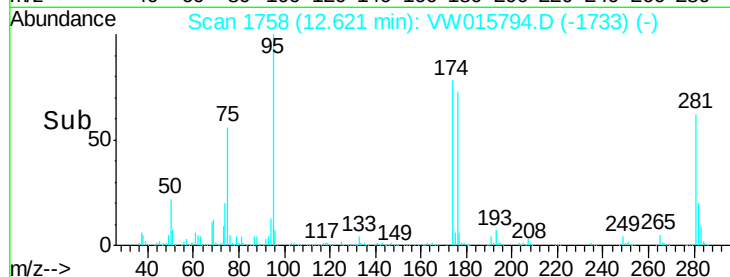
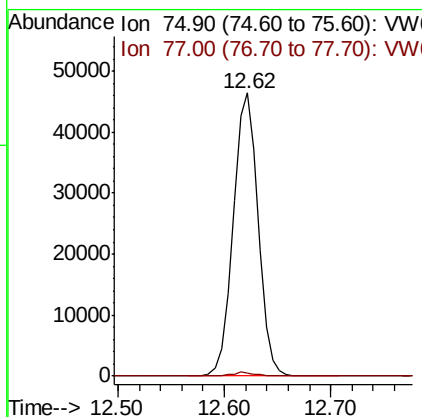
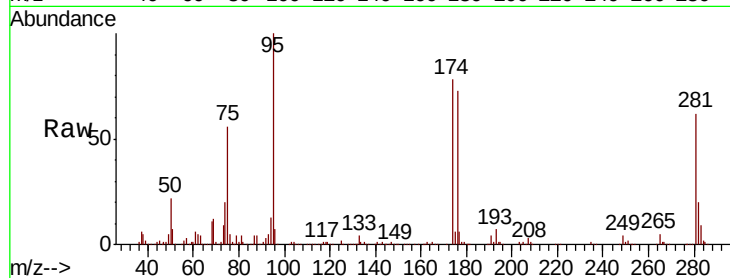




#76
 1,2,3-Trichloropropane
 Concen: 59.398 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

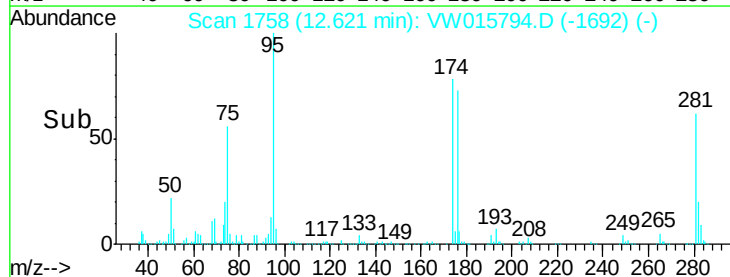
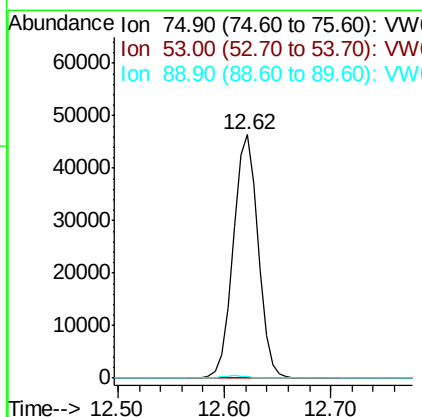
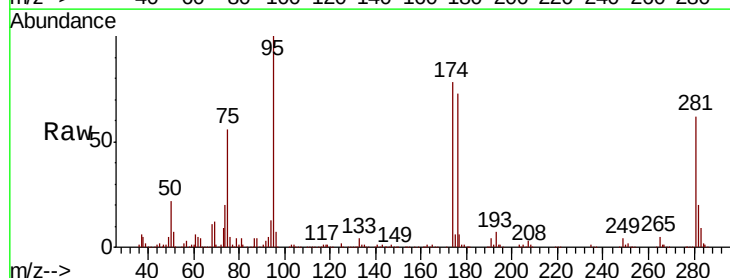
Instrument :
 MSVOA_W
 ClientSampled :

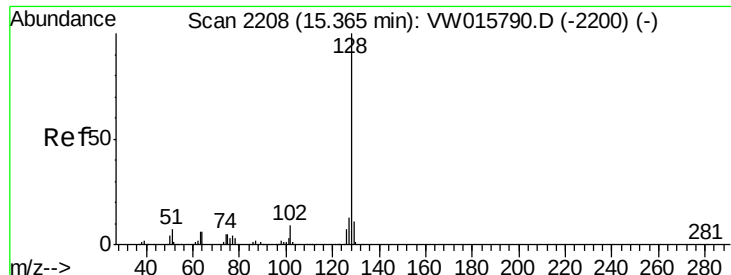
Tot Ion: 75 Resp: 75882
 Ion Ratio Lower Upper
 75 100
 77 1.3 177.3 532.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.392 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW015794.D
 Acq: 07 Jul 2020 16:31

Tgt Ion: 75 Resp: 75882
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.9 128.9#
 89 1.0 36.2 54.4#





#95
Naphthalene
Concen: 2.959 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015794.D
Acq: 07 Jul 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	5.8	10.6	16.0#
129	0.0	8.7	13.1#

