

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016198.D
 Acq On : 14 Aug 2020 17:53
 Operator : SY/VA
 Sample : L3508-13RE
 Misc : 7.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-081220

Quant Time: Aug 17 08:12:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	405230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163006	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	123847	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
35) Dibromofluoromethane	7.88	113	99972	39.98	ug/l	0.00
Spiked Amount			Recovery	=	79.96%	
50) Toluene-d8	10.32	98	491347	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	175329	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

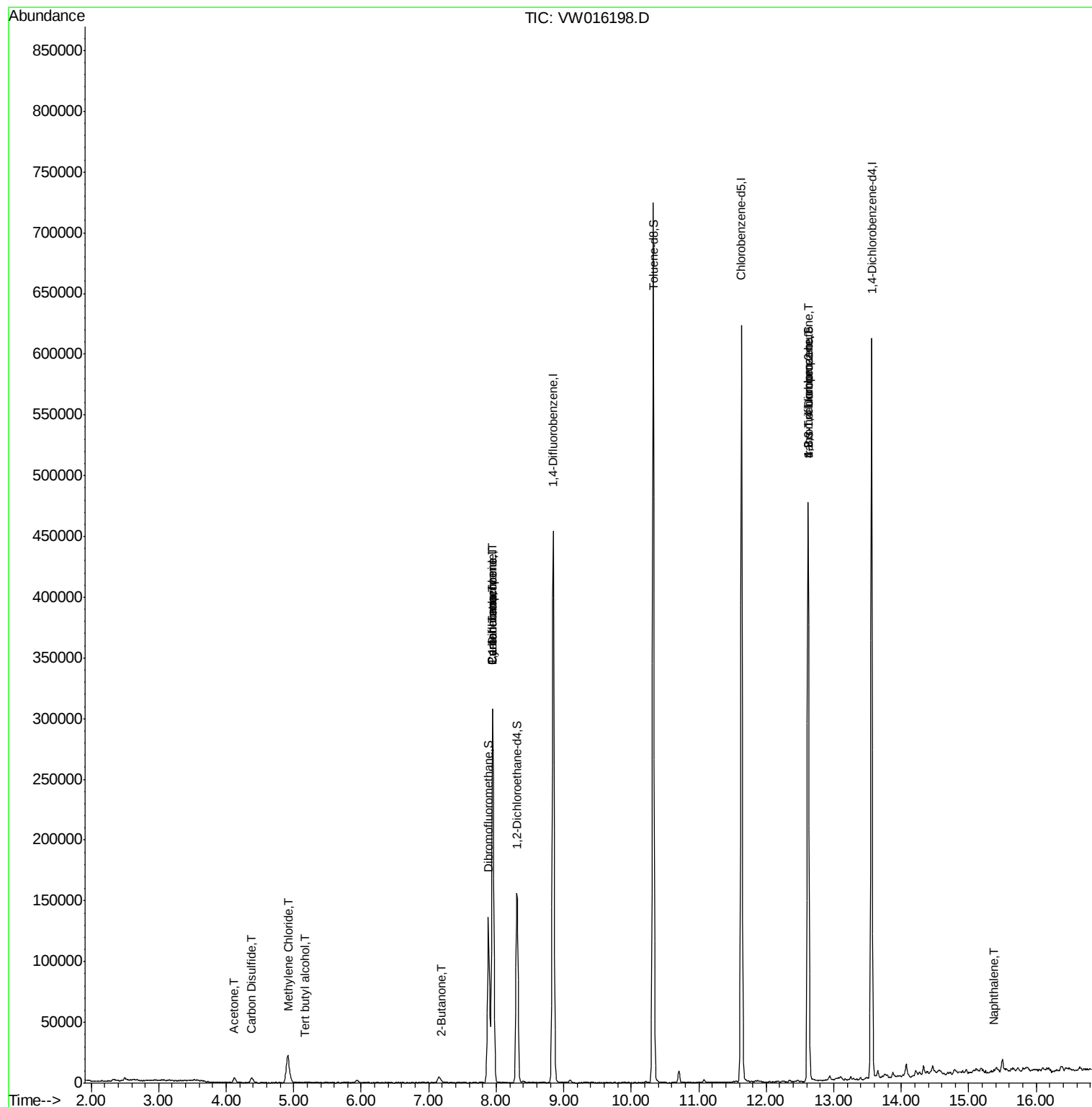
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	565	4.828	ug/l #	82
16) Acetone	4.12	43	7749	18.395	ug/l #	84
17) Carbon Disulfide	4.38	76	9154	1.263	ug/l	100
20) Methylene Chloride	4.91	84	18724	2.456	ug/l	96
25) 2-Butanone	7.19	43	1461	2.588	ug/l #	80
31) Cyclohexane	7.95	56	4364	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17227	4.315	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23626	5.930	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82283	54.887	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	82283	131.655	ug/l #	12
95) Naphthalene	15.37	128	1772	3.852	ug/l #	91

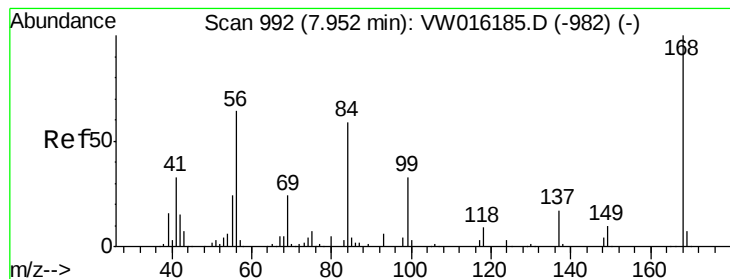
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

Instrument :

MSVOA_W

ClientSampleId :

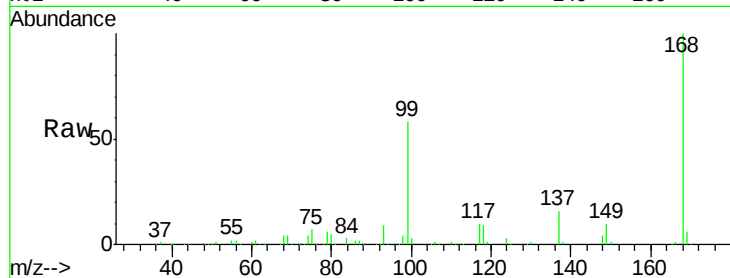
TR-04-081220

Tgt Ion: 168 Resp: 225491

Ion Ratio Lower Upper

168 100

99 58.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

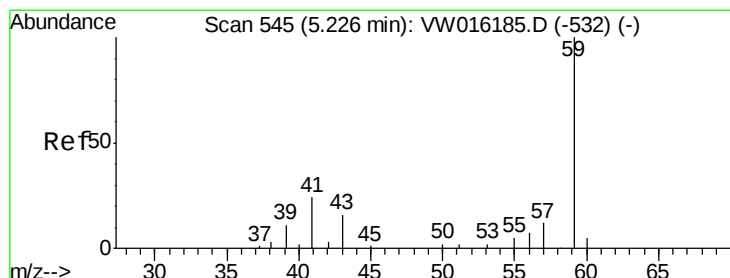
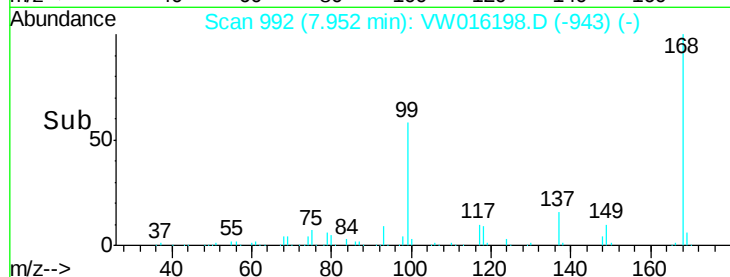
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.828 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.05 min

Lab File: VW016198.D

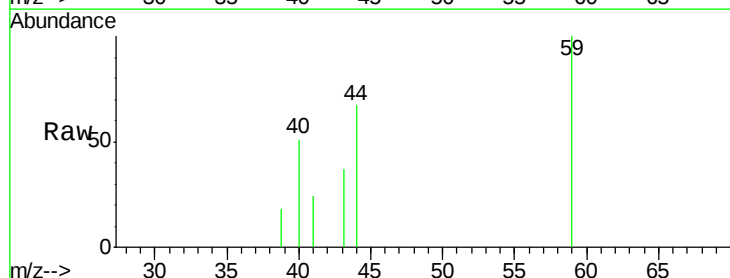
Acq: 14 Aug 2020 17:53

Tgt Ion: 59 Resp: 565

Ion Ratio Lower Upper

59 100

57 4.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

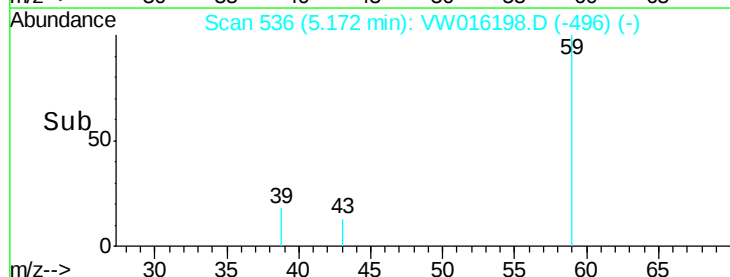
300

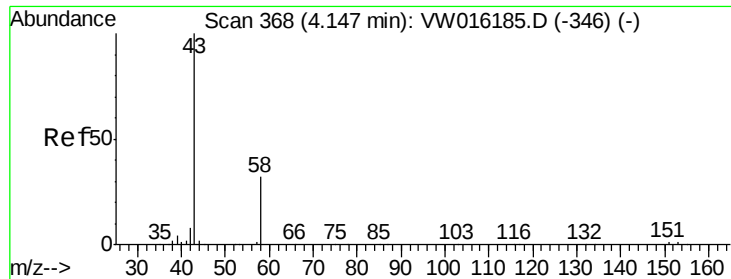
200

100

0

Time--> 5.12 5.14 5.16 5.18 5.20





#16

Acetone

Concen: 18.395 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

Instrument :

MSVOA_W

ClientSampleId :

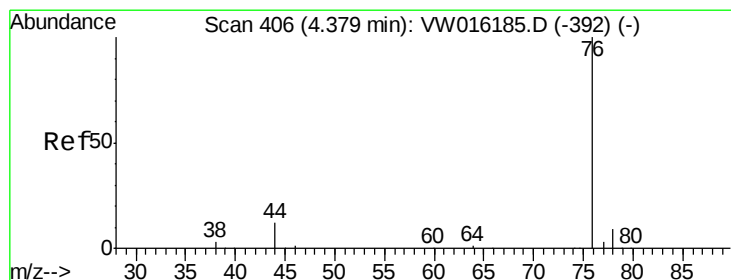
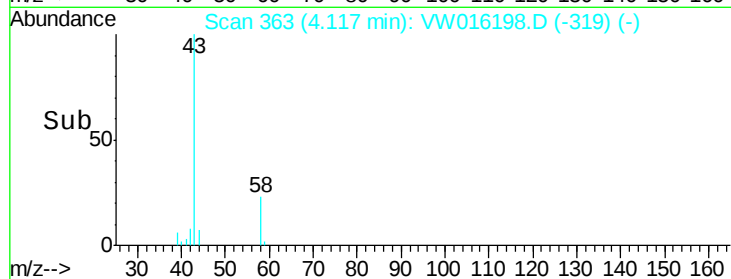
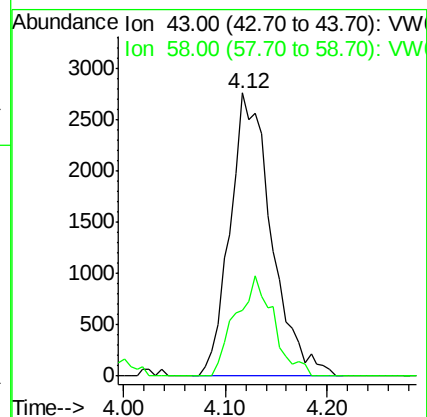
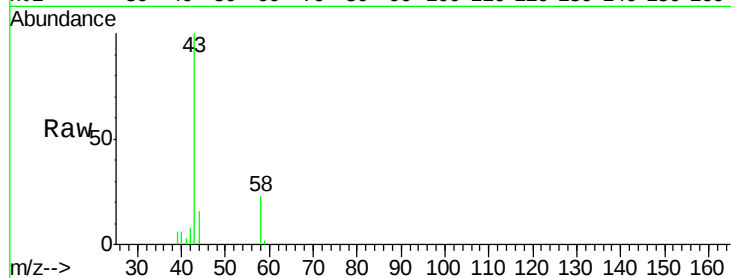
TR-04-081220

Tgt Ion: 43 Resp: 7749

Ion Ratio Lower Upper

43 100

58 23.1 25.8 38.6#



#17

Carbon Disulfide

Concen: 1.263 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016198.D

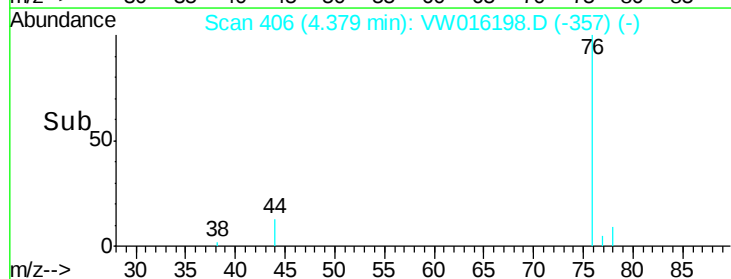
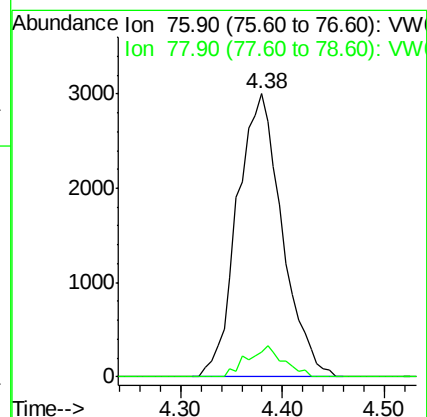
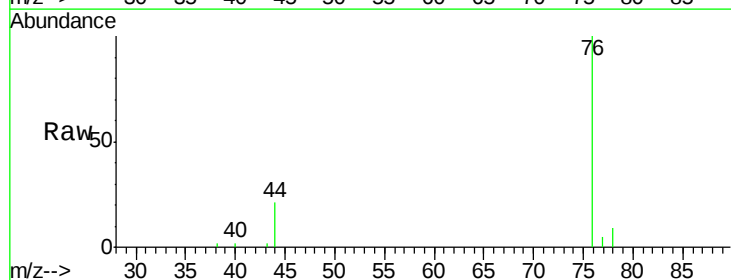
Acq: 14 Aug 2020 17:53

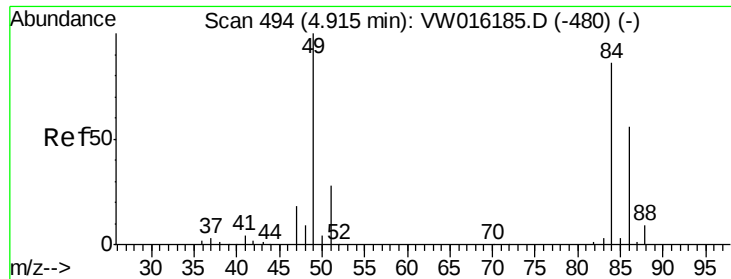
Tgt Ion: 76 Resp: 9154

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

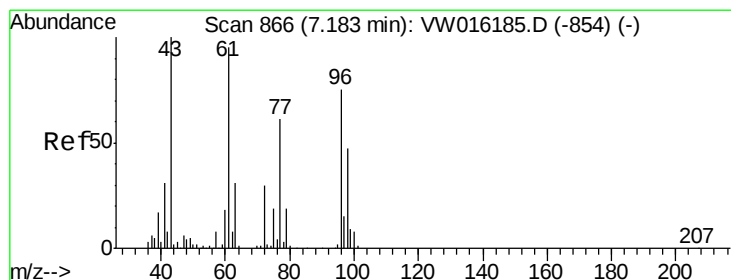
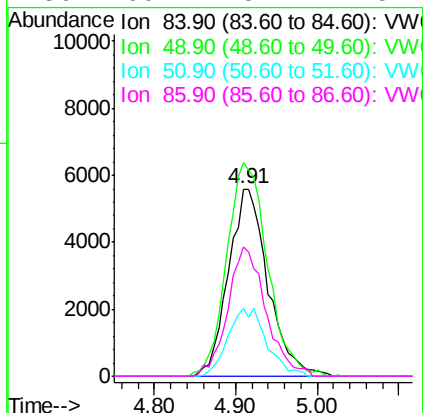
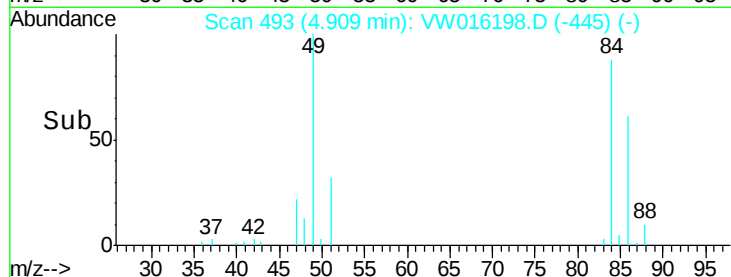
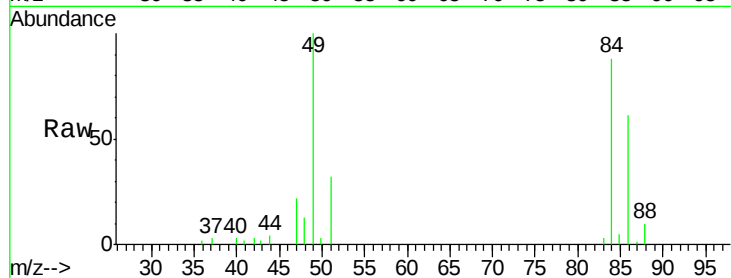




#20
Methylene Chloride
Concen: 2.456 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016198.D
Acq: 14 Aug 2020 17:53

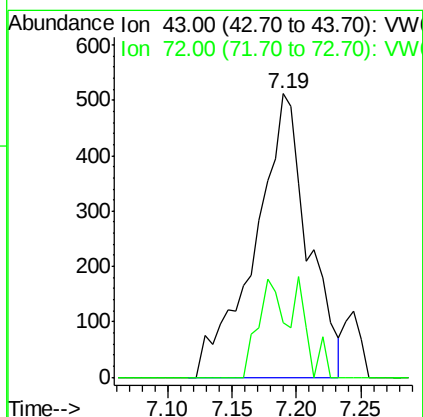
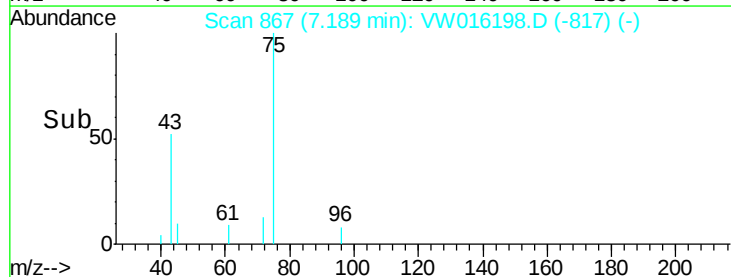
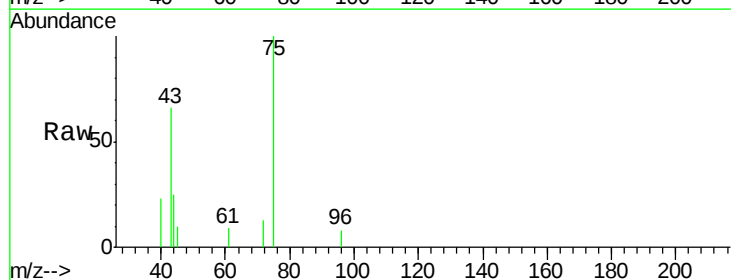
Instrument :
MSVOA_W
ClientSampleId :
TR-04-081220

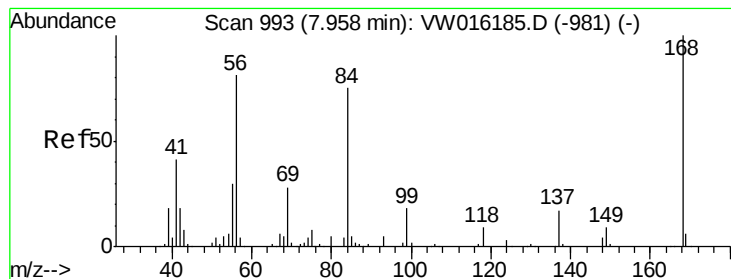
Tgt Ion:	84	Resp:	18724
Ion	Ratio	Lower	Upper
84	100		
49	114.2	93.4	140.2
51	36.0	26.6	40.0
86	69.1	52.2	78.2



#25
2-Butanone
Concen: 2.588 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW016198.D
Acq: 14 Aug 2020 17:53

Tgt Ion:	43	Resp:	1461
Ion	Ratio	Lower	Upper
43	100		
72	19.3	24.2	36.2#





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

Instrument :

MSVOA_W

ClientSampleId :

TR-04-081220

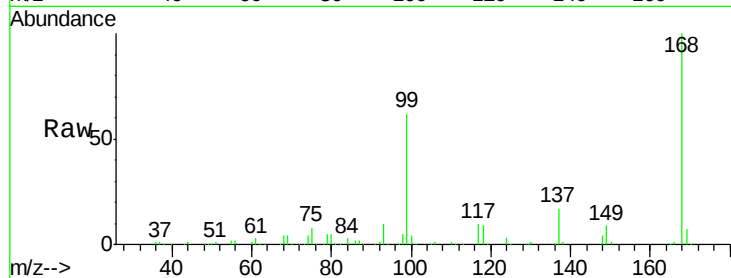
Tgt Ion: 56 Resp: 4364

Ion Ratio Lower Upper

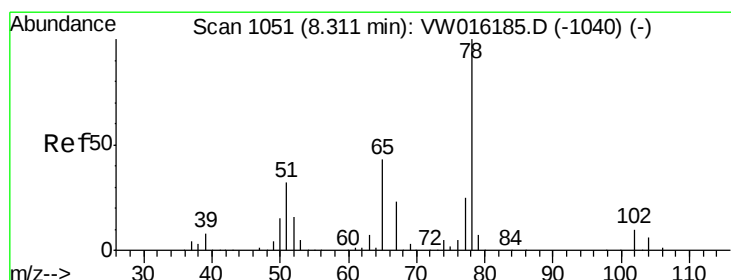
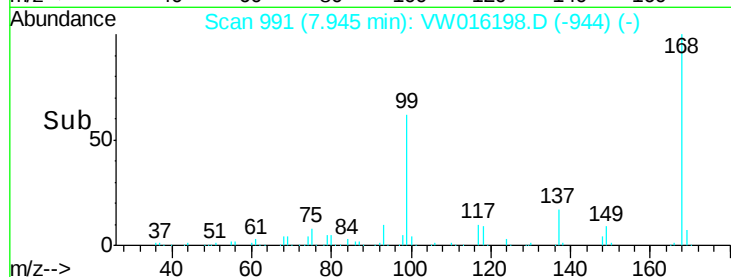
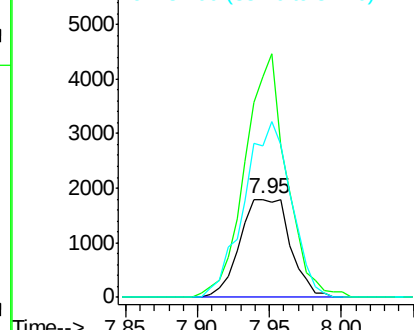
56 100

69 223.8 27.3 40.9#

84 154.2 73.5 110.3#



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: 56.320 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016198.D

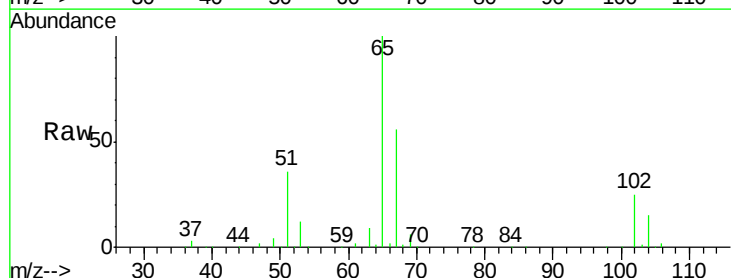
Acq: 14 Aug 2020 17:53

Tgt Ion: 65 Resp: 123847

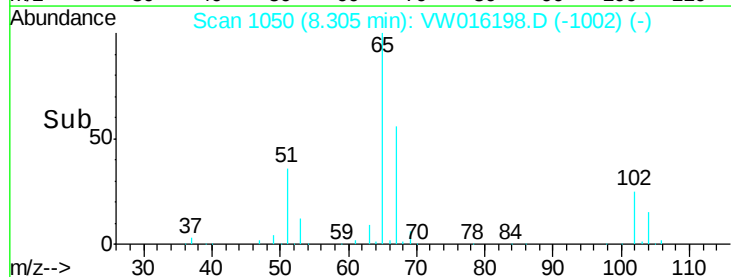
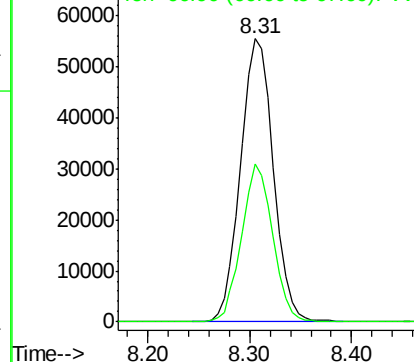
Ion Ratio Lower Upper

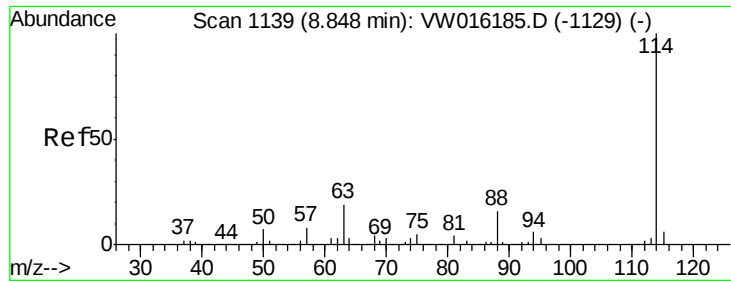
65 100

67 53.1 0.0 105.6



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

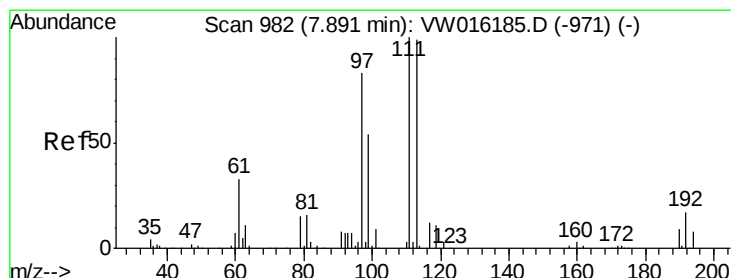
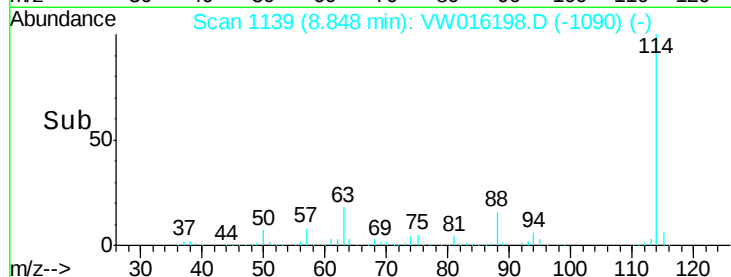
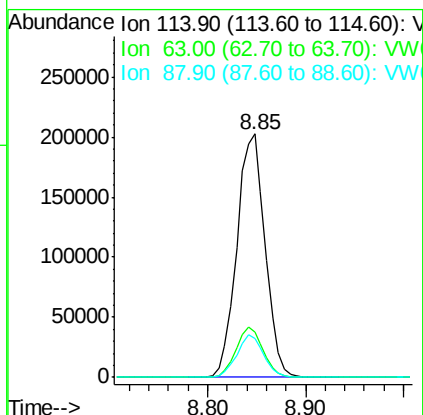
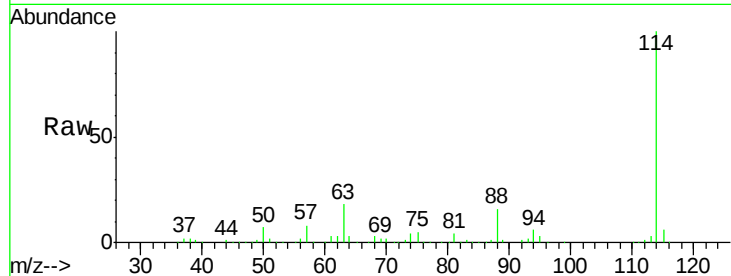




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016198.D
 Acq: 14 Aug 2020 17:53

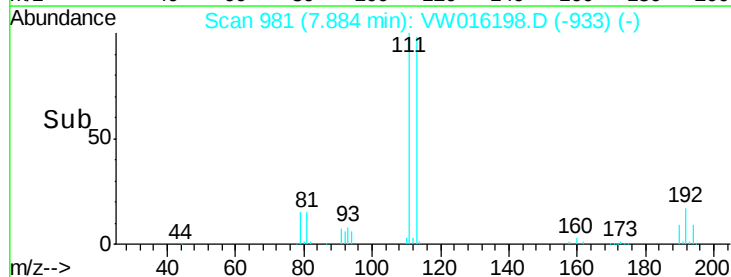
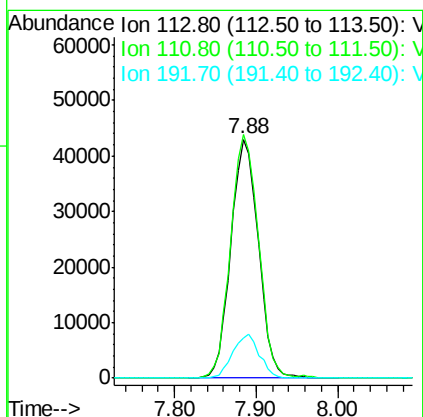
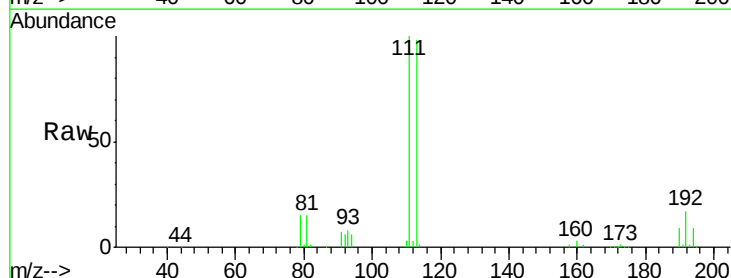
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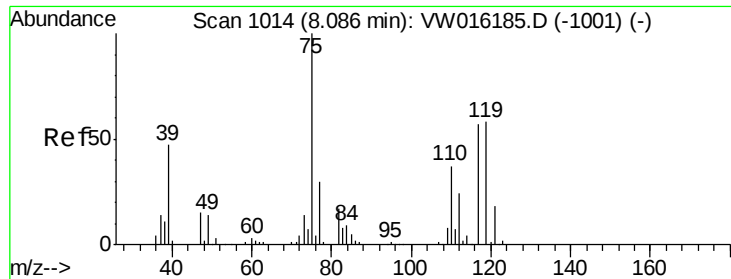
Tgt Ion:114 Resp: 405230
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 16.0 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 39.984 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016198.D
 Acq: 14 Aug 2020 17:53

Tgt Ion:113 Resp: 99972
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 17.8 14.3 21.5

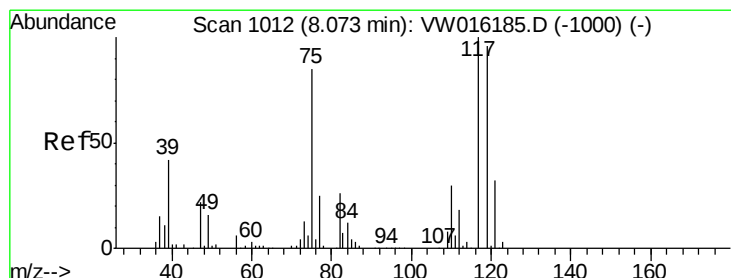
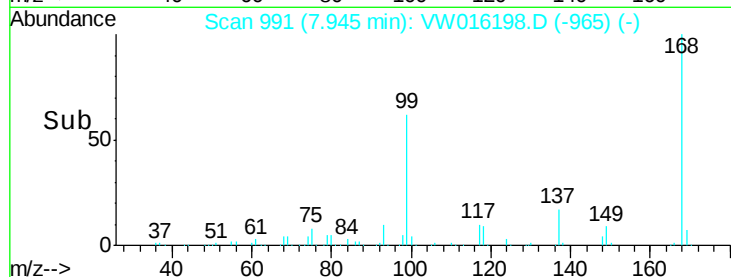
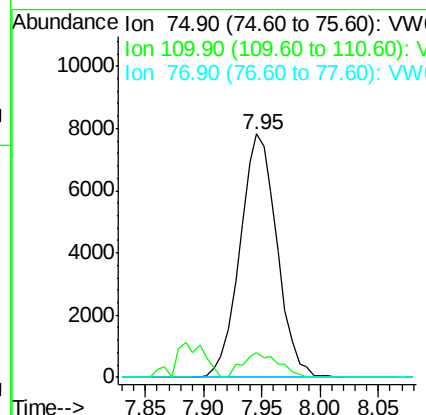
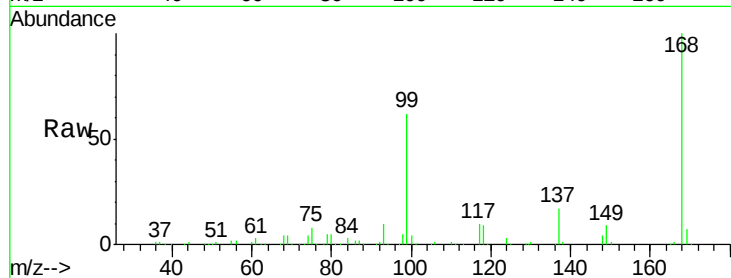




#36
 1,1-Dichloropropene
 Concen: 4.315 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016198.D
 Acq: 14 Aug 2020 17:53

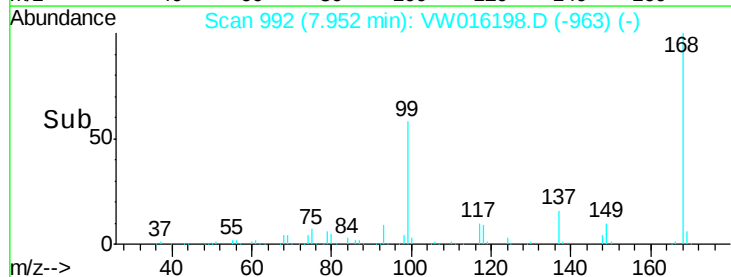
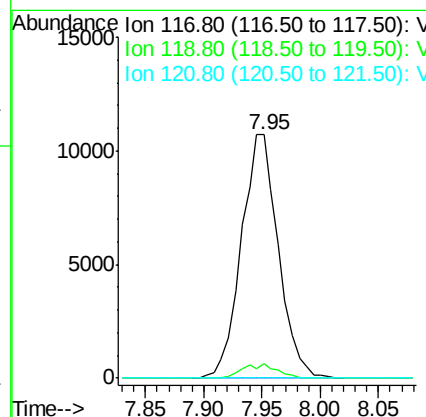
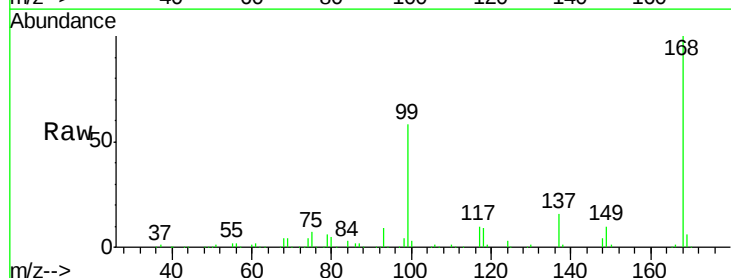
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-081220

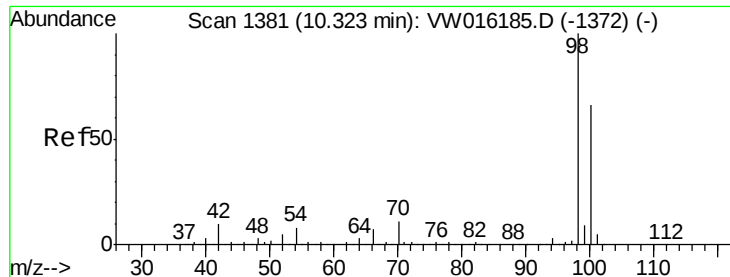
Tgt Ion: 75 Resp: 17227
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.930 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW016198.D
 Acq: 14 Aug 2020 17:53

Tgt Ion: 117 Resp: 23626
 Ion Ratio Lower Upper
 117 100
 119 6.1 76.6 115.0#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 50.768 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

Instrument :

MSVOA_W

ClientSampleId :

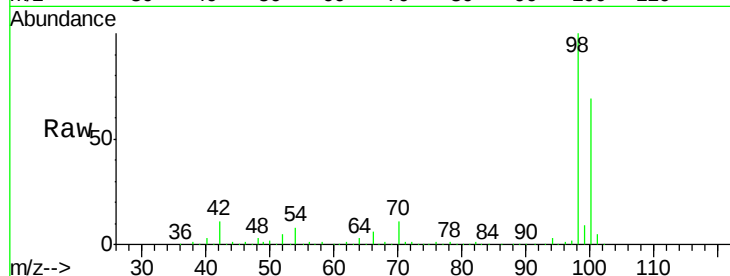
TR-04-081220

Tgt Ion: 98 Resp: 491347

Ion Ratio Lower Upper

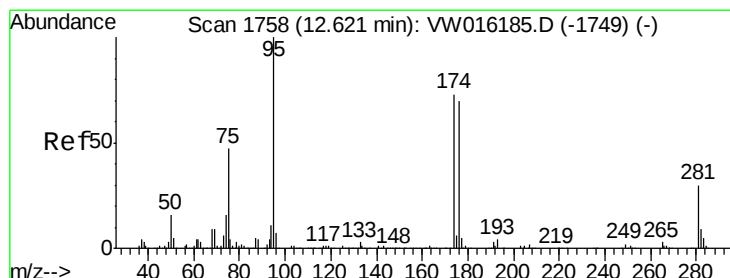
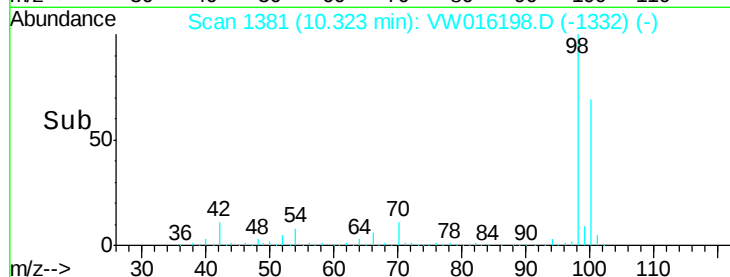
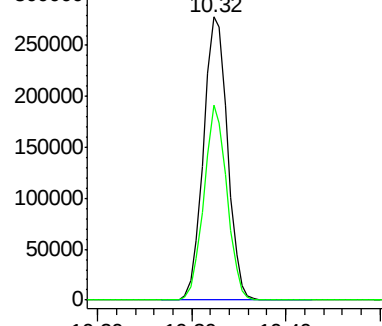
98 100

100 66.1 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 50.680 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

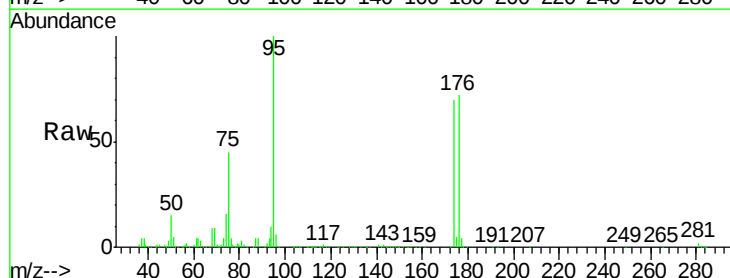
Tgt Ion: 95 Resp: 175329

Ion Ratio Lower Upper

95 100

174 69.9 0.0 145.6

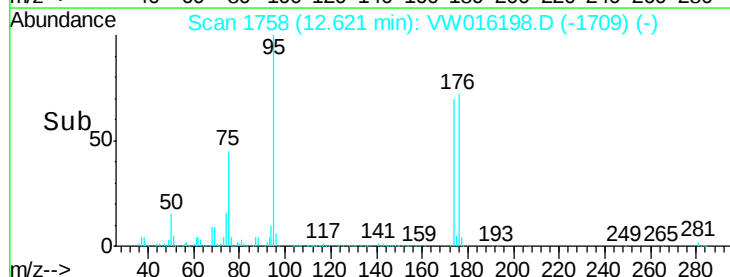
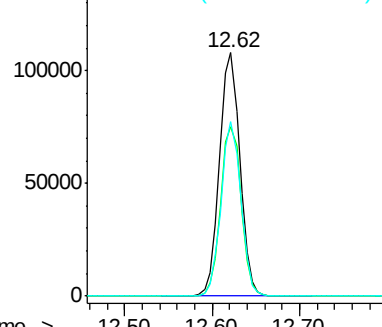
176 69.2 0.0 137.8

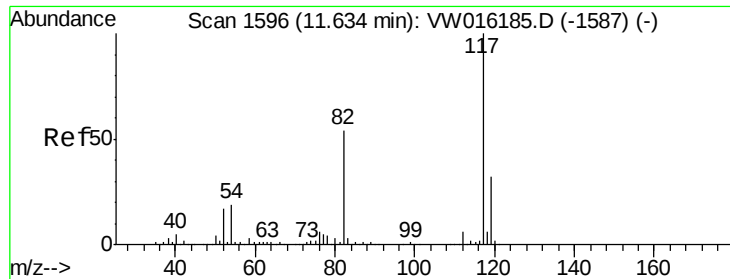


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

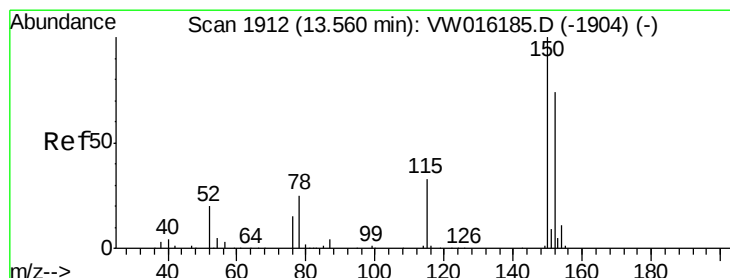
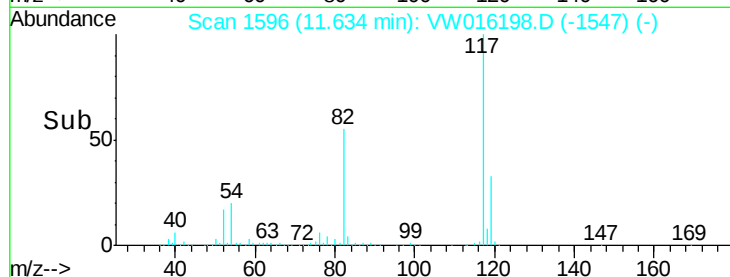
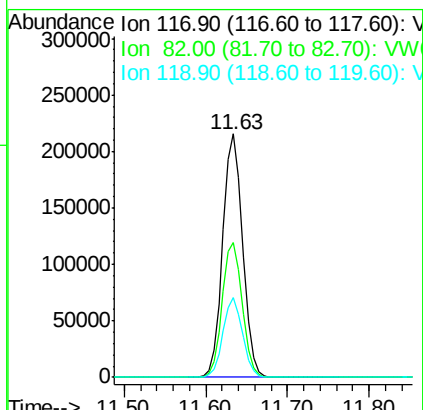
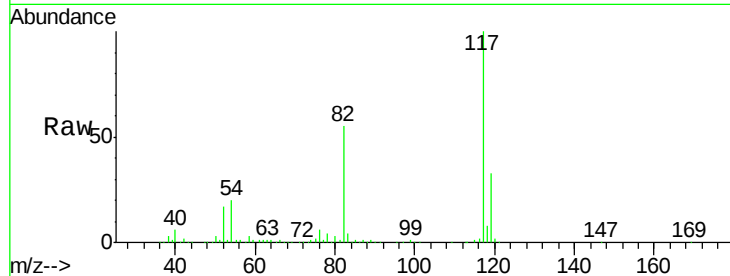




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016198.D
Acq: 14 Aug 2020 17:53

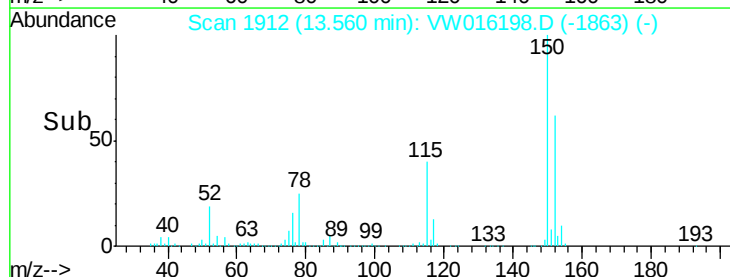
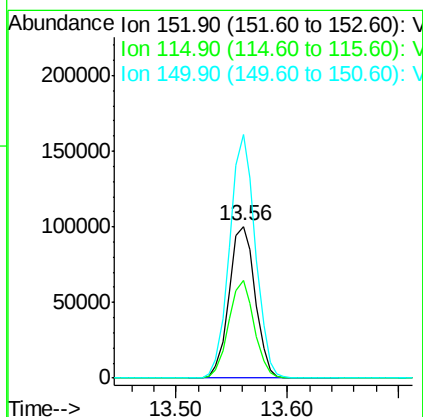
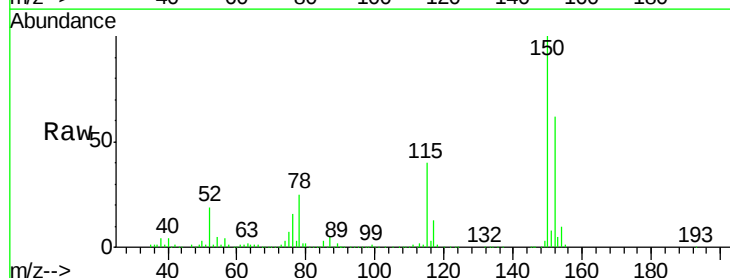
Instrument :
MSVOA_W
ClientSampleId :
TR-04-081220

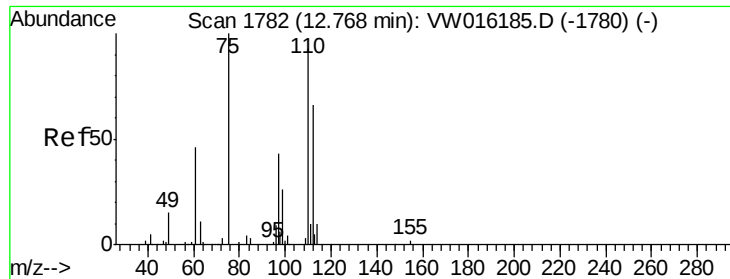
Tgt Ion:117 Resp: 364861
Ion Ratio Lower Upper
117 100
82 55.1 43.6 65.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016198.D
Acq: 14 Aug 2020 17:53

Tgt Ion:152 Resp: 163006
Ion Ratio Lower Upper
152 100
115 62.7 30.9 92.5
150 157.8 0.0 337.8





#76

1,2,3-Trichloropropane

Concen: 54.887 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

Instrument :

MSVOA_W

ClientSampled :

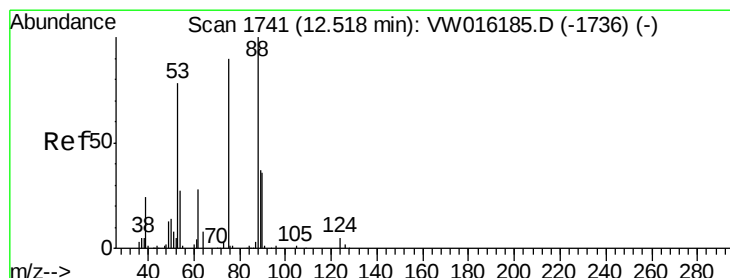
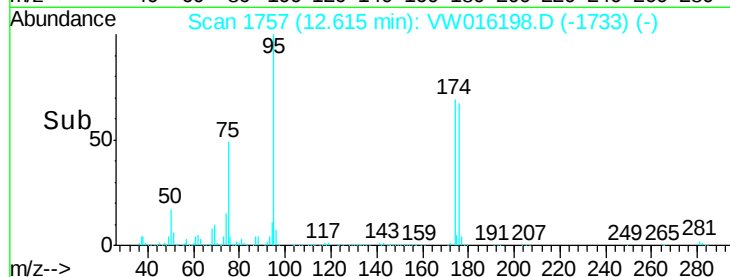
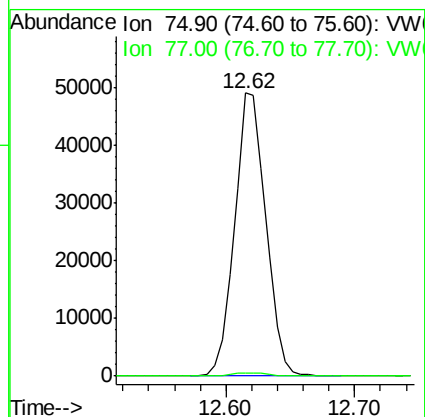
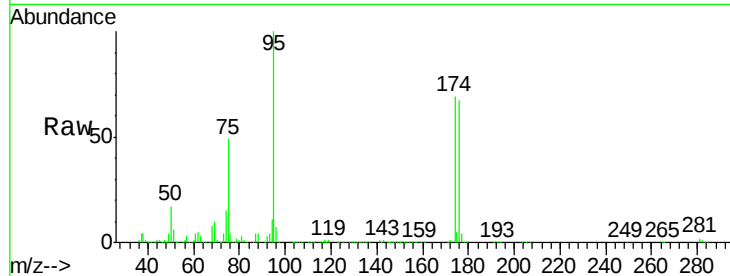
TR-04-081220

Tgt Ion: 75 Resp: 82283

Ion Ratio Lower Upper

75 100

77 1.5 173.6 520.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.655 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW016198.D

Acq: 14 Aug 2020 17:53

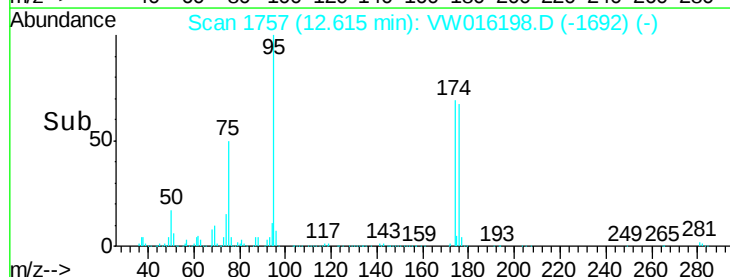
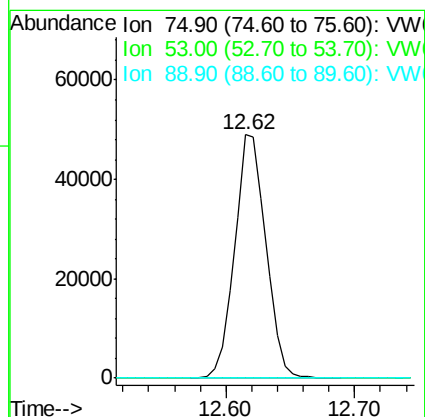
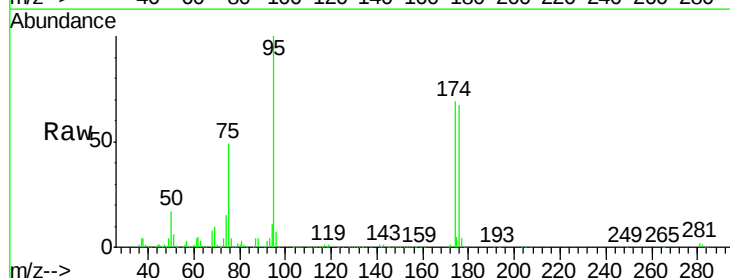
Tgt Ion: 75 Resp: 82283

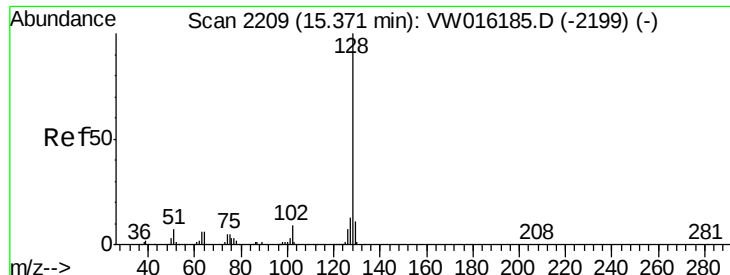
Ion Ratio Lower Upper

75 100

53 0.1 74.6 111.8#

89 0.0 37.2 55.8#

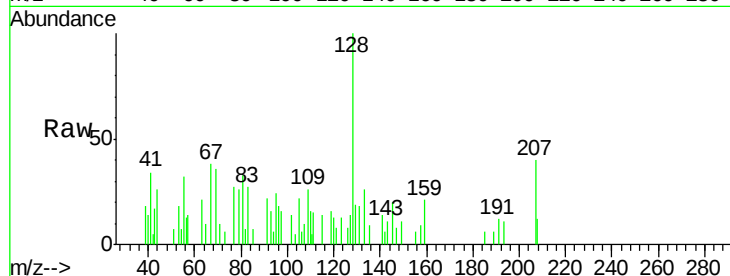




#95
Naphthalene
Concen: 3.852 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016198.D
Acq: 14 Aug 2020 17:53

Instrument :
MSVOA_W
ClientSampleId :
TR-04-081220

Tgt Ion:128 Resp: 1772
Ion Ratio Lower Upper
128 100
127 17.8 10.2 15.4#
129 9.4 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

