

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081420\
 Data File : VW016201.D
 Acq On : 14 Aug 2020 19:12
 Operator : SY/VA
 Sample : L3677-04
 Misc : 6.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

Quant Time: Aug 17 08:13:10 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	175986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	289166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	41463	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	59613	34.74	ug/l	0.00
Spiked Amount			Recovery	=	69.48%	
35) Dibromofluoromethane	7.88	113	78898	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	
50) Toluene-d8	10.32	98	317723	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.62	95	61356	24.85	ug/l	0.00
Spiked Amount			Recovery	=	49.70%	

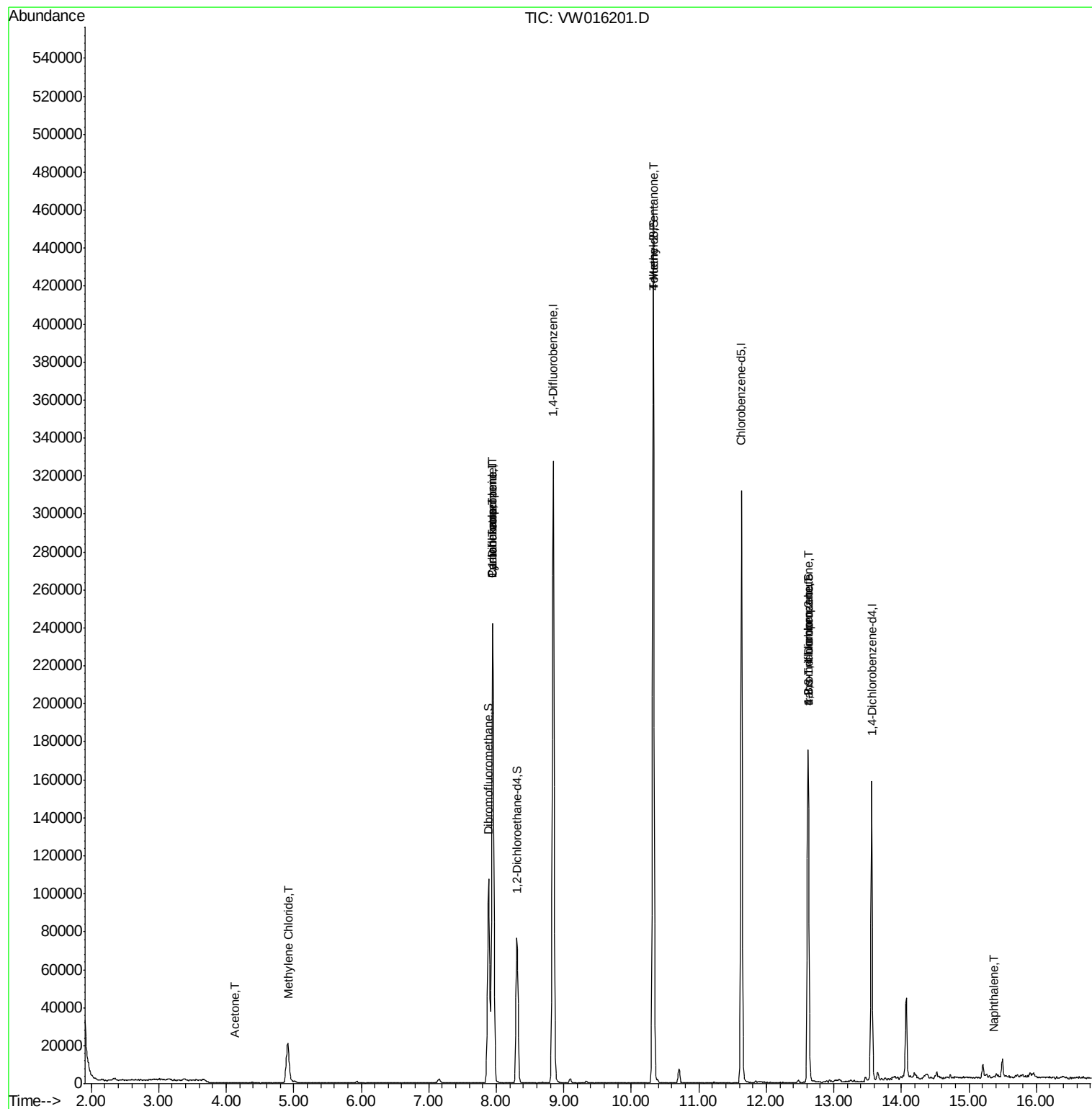
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	524	1.594	ug/l	97
20) Methylene Chloride	4.91	84	15835	3.120	ug/l	92
31) Cyclohexane	7.95	56	3684	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14325	5.029	ug/l #	49
38) Carbon Tetrachloride	7.95	117	18428	6.482	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1348	1.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	30495	79.971	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30495	191.822	ug/l #	12
95) Naphthalene	15.36	128	460	3.857	ug/l #	82

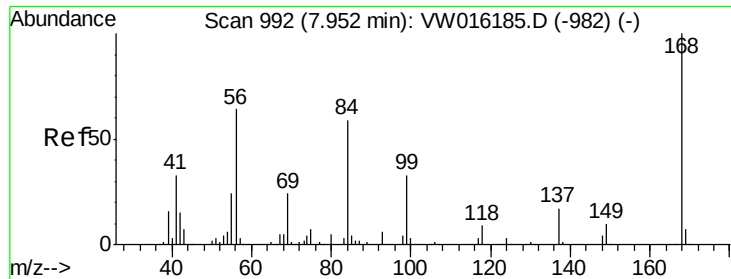
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 991

Delta R.T. -0.01 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

Instrument :

MSVOA_W

ClientSampled :

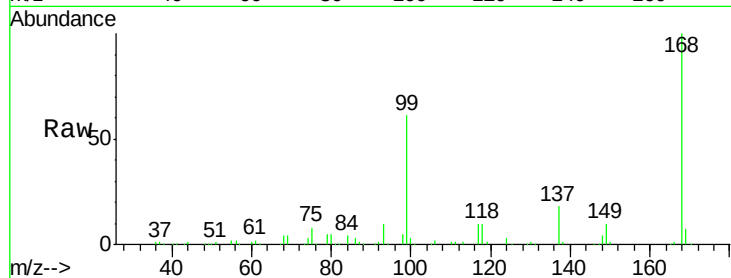
TP-1

Tgt Ion: 168 Resp: 175986

Ion Ratio Lower Upper

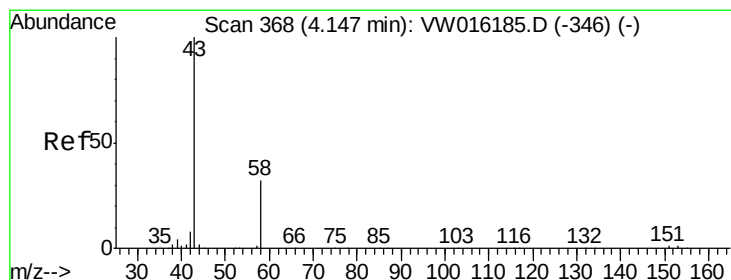
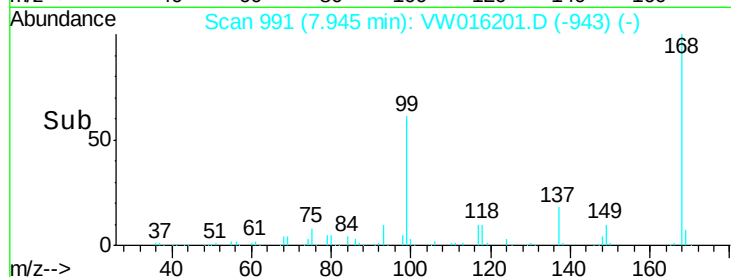
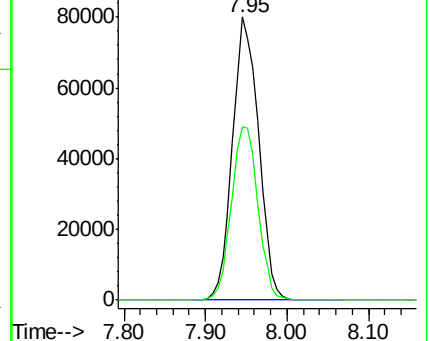
168 100

99 61.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 1.594 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016201.D

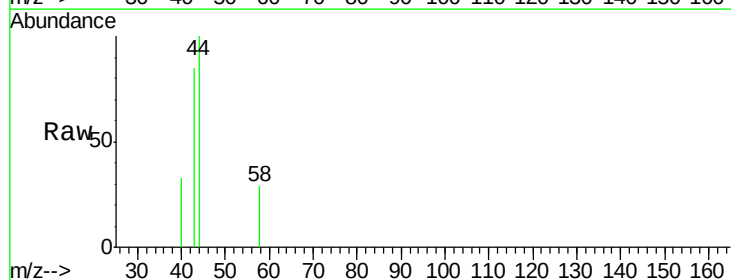
Acq: 14 Aug 2020 19:12

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

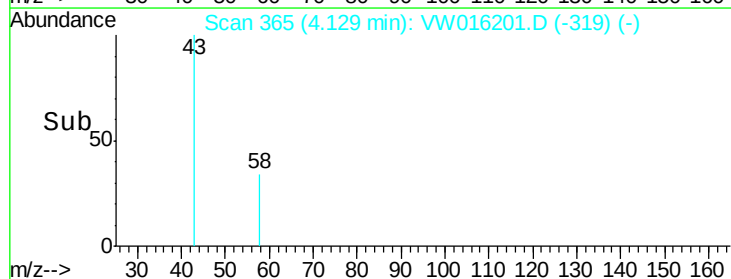
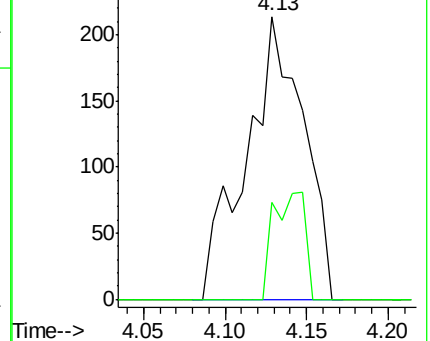
43 100

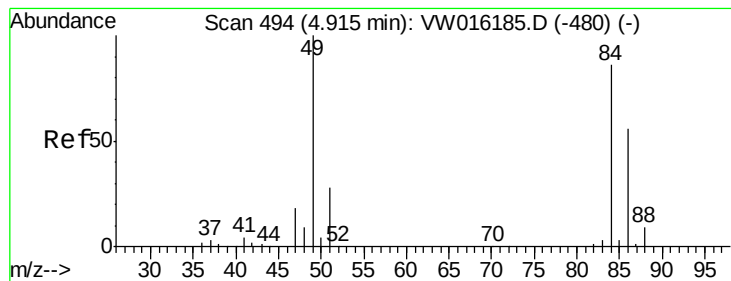
58 34.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 3.120 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 15835

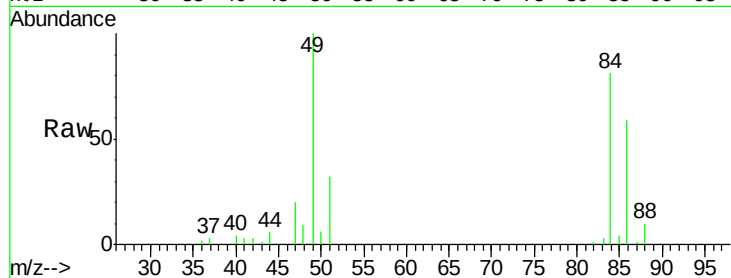
Ion Ratio Lower Upper

84 100

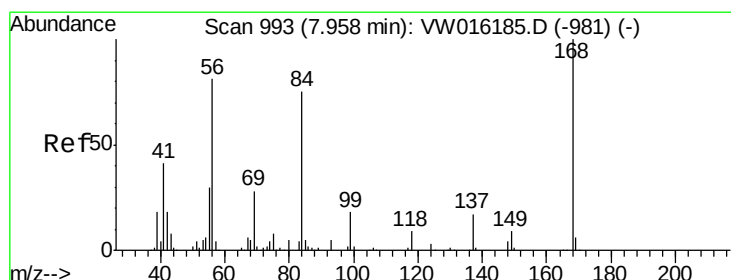
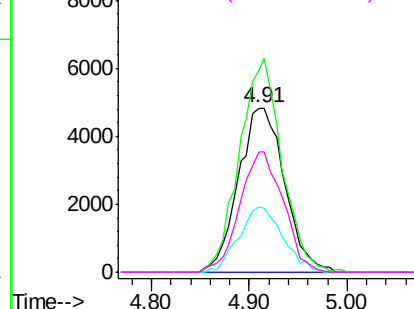
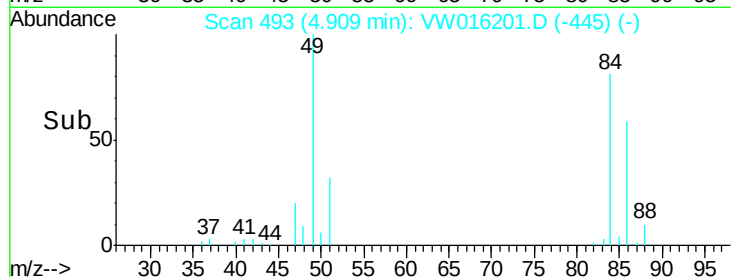
49 123.6 93.4 140.2

51 39.8 26.6 40.0

86 73.2 52.2 78.2



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



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

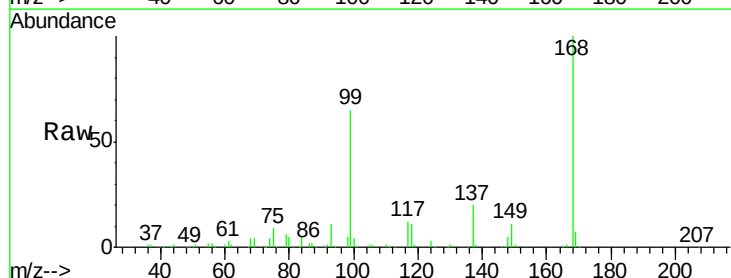
Tgt Ion: 56 Resp: 3684

Ion Ratio Lower Upper

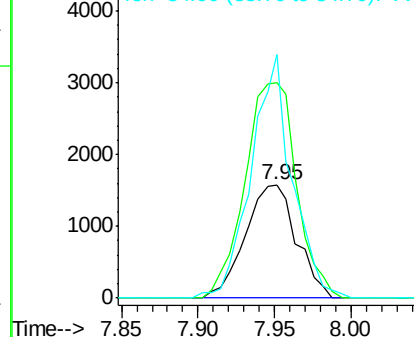
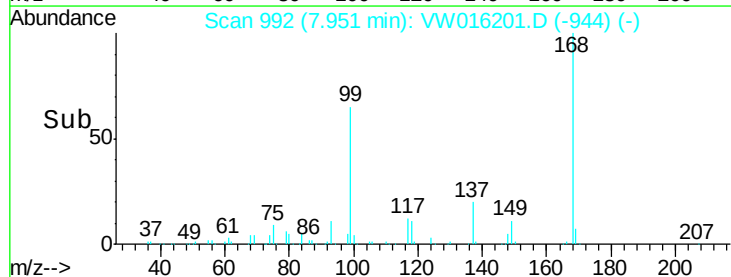
56 100

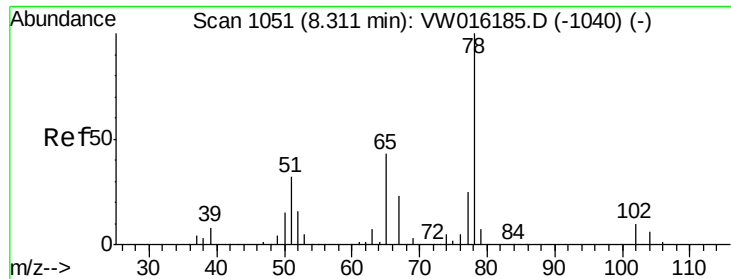
69 190.0 27.3 40.9#

84 214.2 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

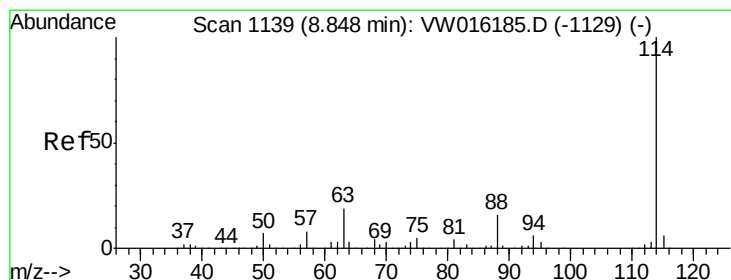
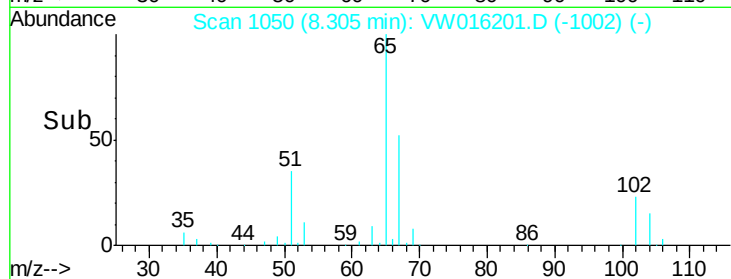
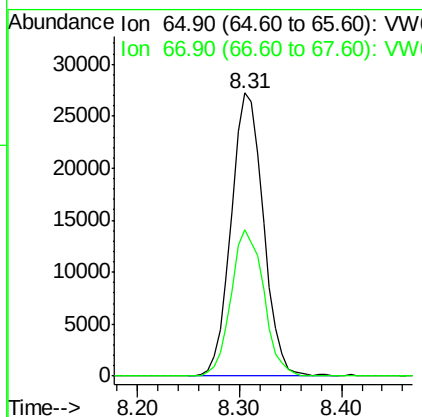
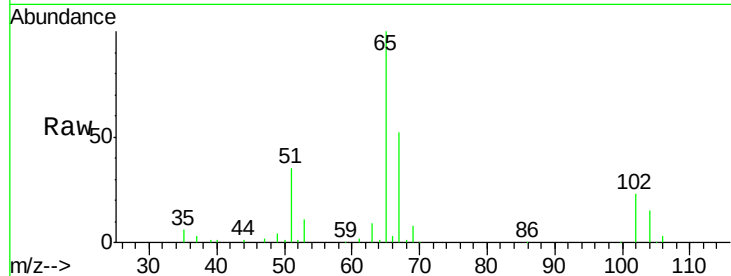




#33
 1,2-Dichloroethane-d4
 Concen: 34.735 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016201.D
 Acq: 14 Aug 2020 19:12

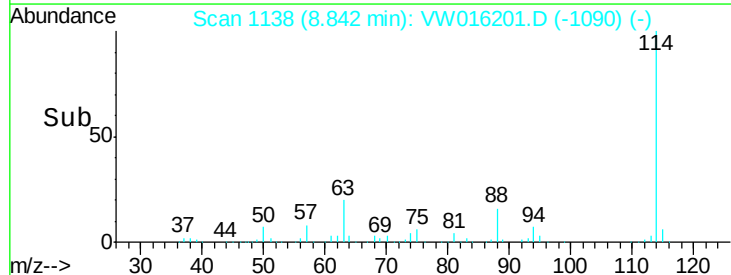
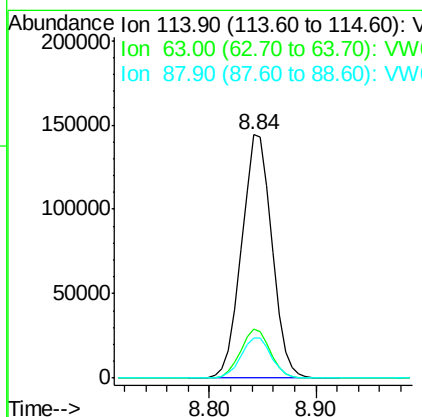
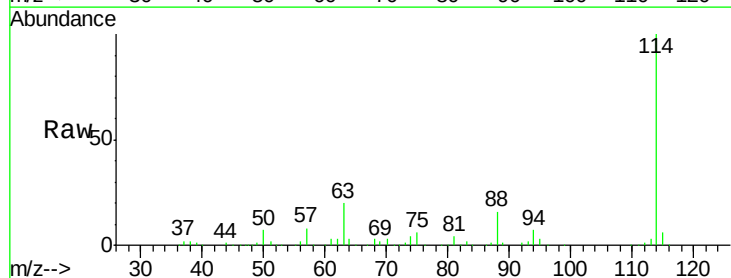
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

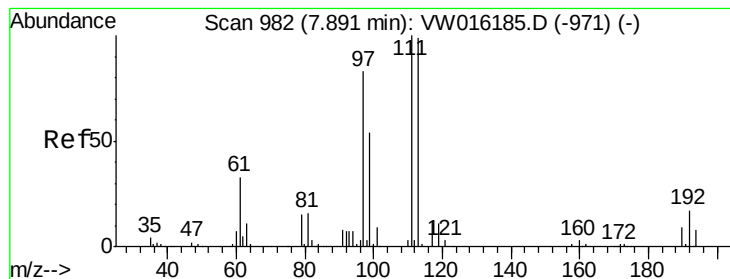
Tgt Ion: 65 Resp: 59613
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016201.D
 Acq: 14 Aug 2020 19:12

Tgt Ion: 114 Resp: 289166
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.4
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.221 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

TP-1

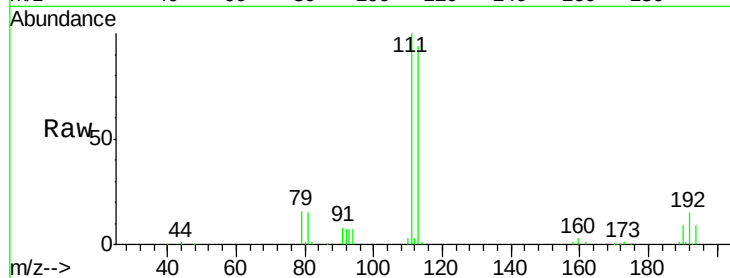
Tgt Ion:113 Resp: 78898

Ion Ratio Lower Upper

113 100

111 105.1 83.5 125.3

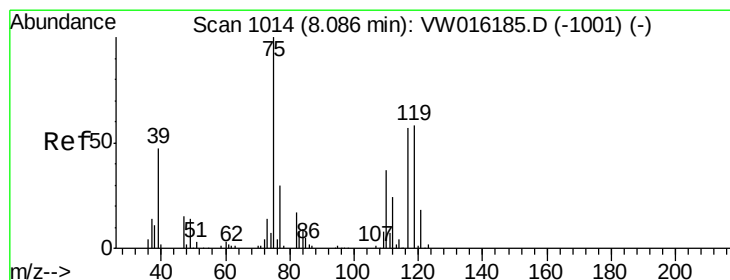
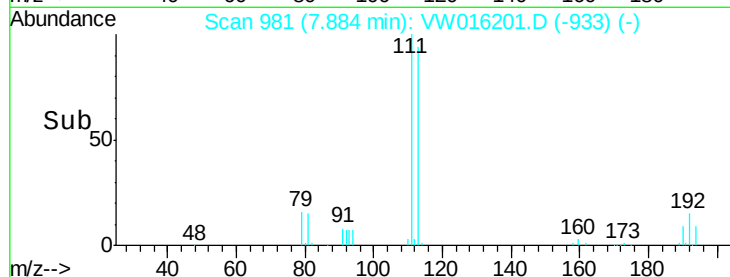
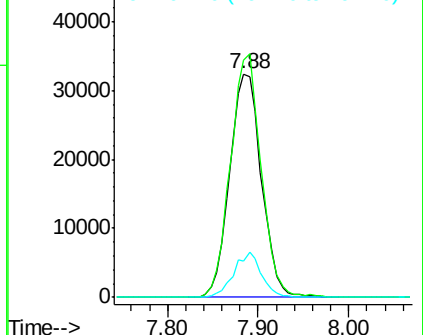
192 17.6 14.3 21.5



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: 5.029 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

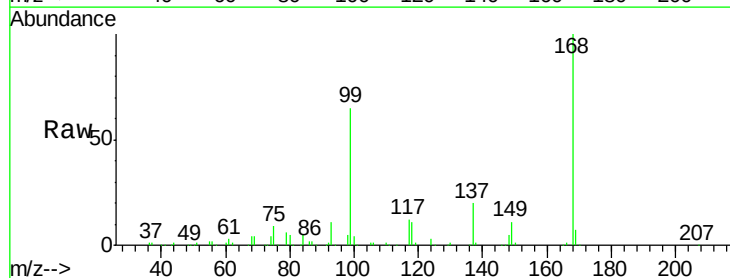
Tgt Ion: 75 Resp: 14325

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

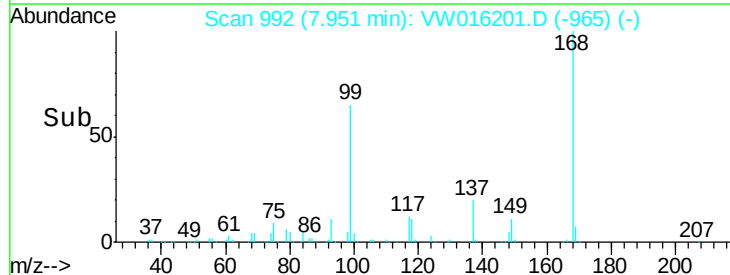
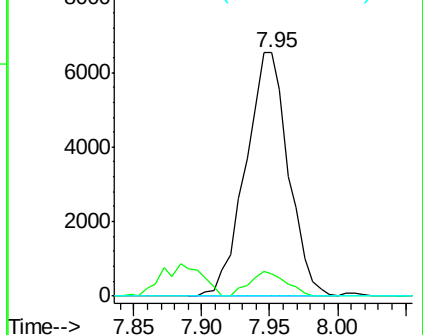
77 0.0 24.7 37.1#

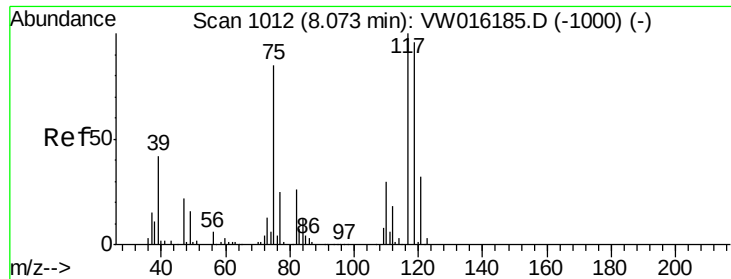


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

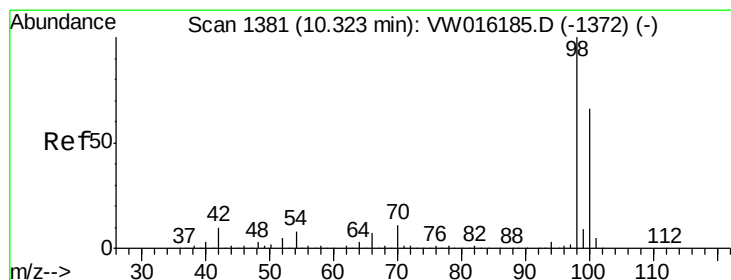
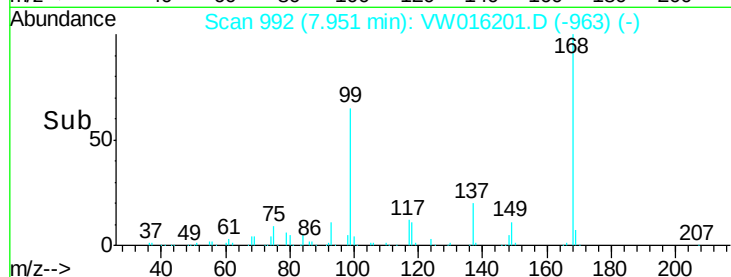
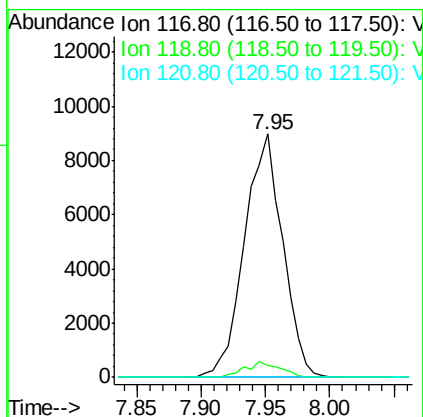
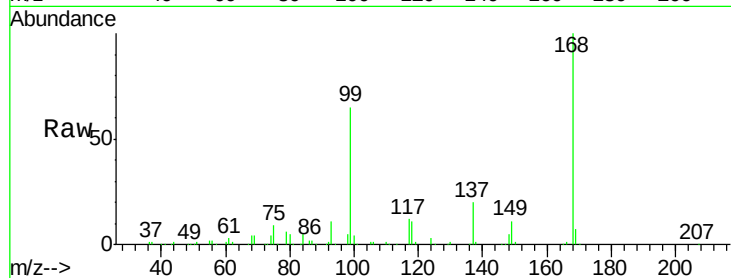




#38
Carbon Tetrachloride
Concen: 6.482 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016201.D
Acq: 14 Aug 2020 19:12

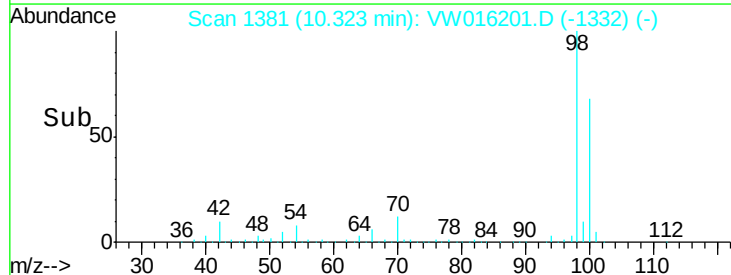
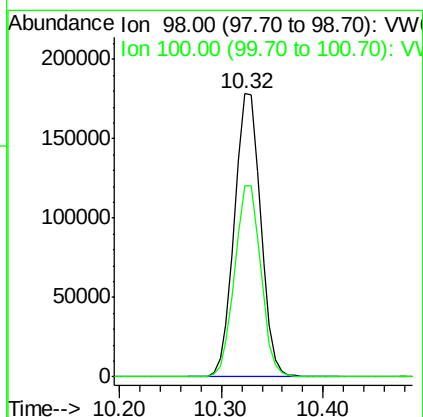
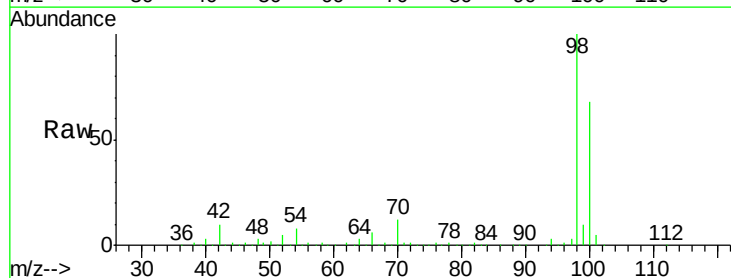
Instrument :
MSVOA_W
ClientSampled :
TP-1

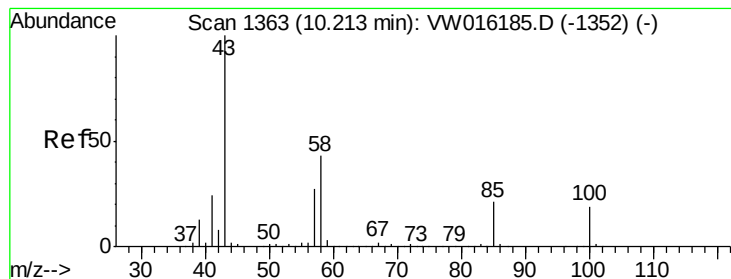
Tgt Ion:117 Resp: 18428
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 46.005 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW016201.D
Acq: 14 Aug 2020 19:12

Tgt Ion: 98 Resp: 317723
Ion Ratio Lower Upper
98 100
100 67.1 53.5 80.3





#51

4-Methyl-2-Pentanone

Concen: 1.450 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

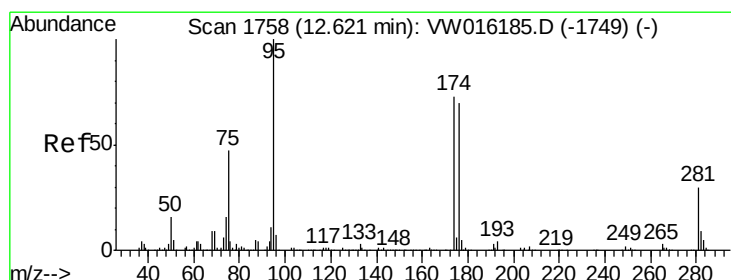
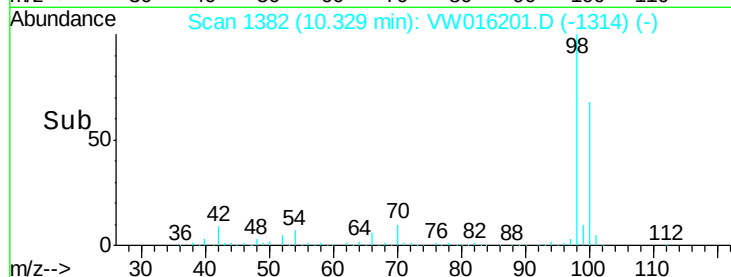
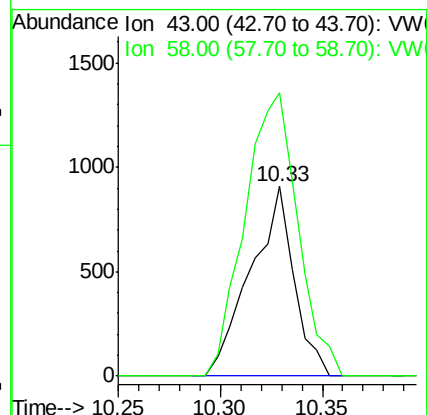
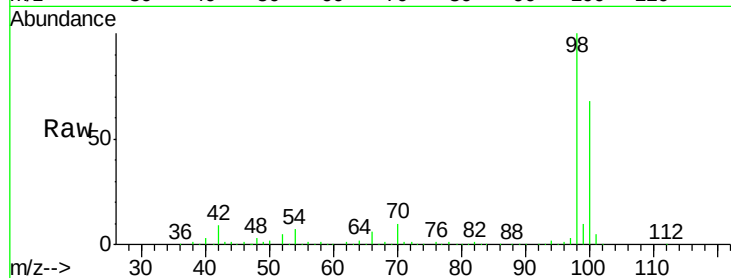
TP-1

Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

43 100

58 181.7 33.7 50.5#



#62

4-Bromofluorobenzene

Concen: 24.854 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

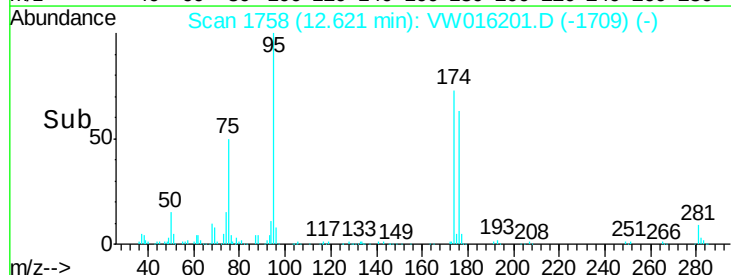
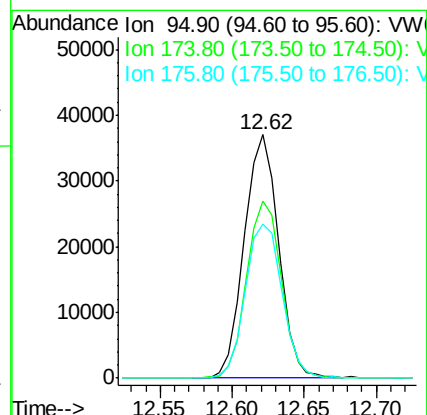
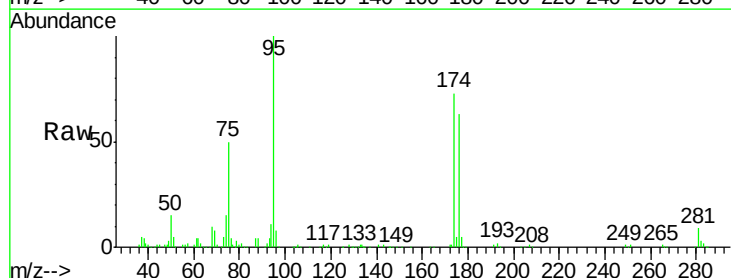
Tgt Ion: 95 Resp: 61356

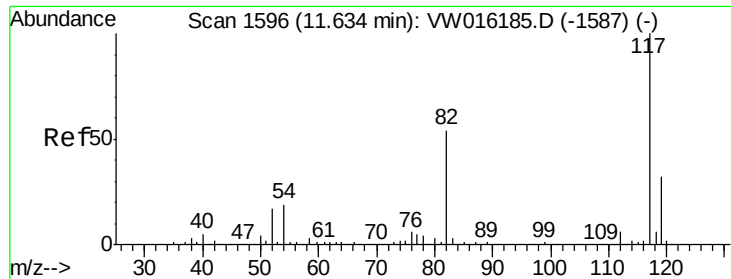
Ion Ratio Lower Upper

95 100

174 73.9 0.0 145.6

176 67.4 0.0 137.8

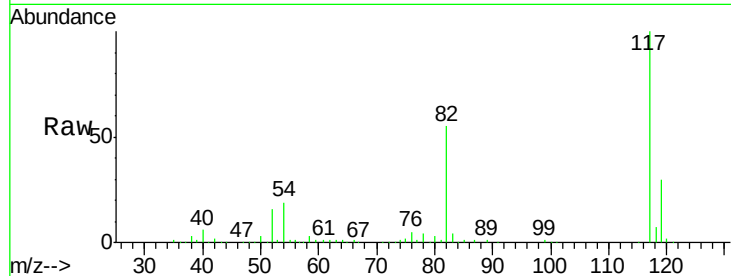




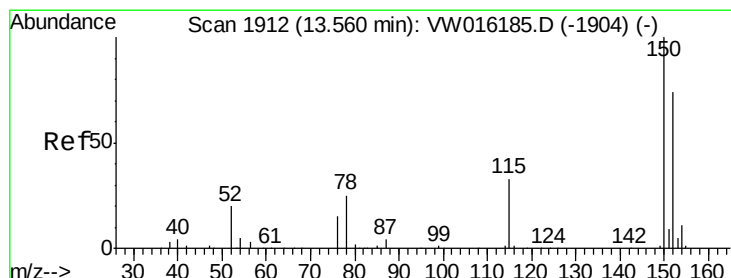
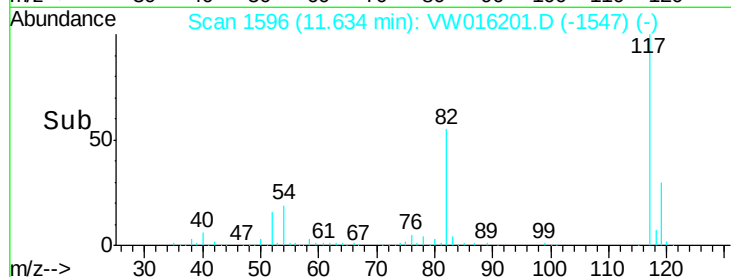
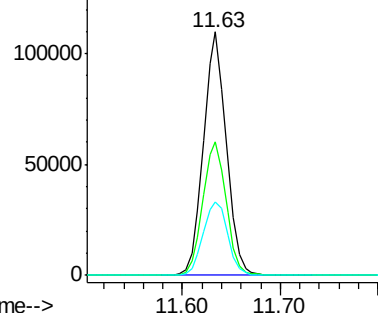
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016201.D
Acq: 14 Aug 2020 19:12

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 178236
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 30.3 25.4 38.0

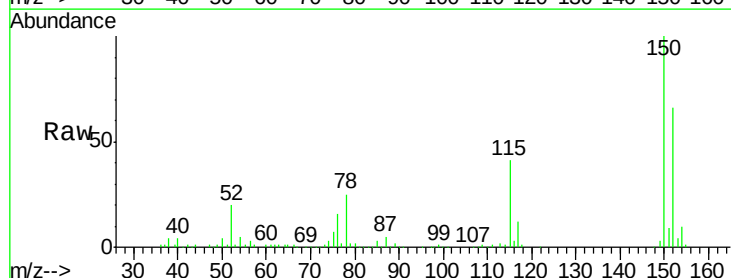


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

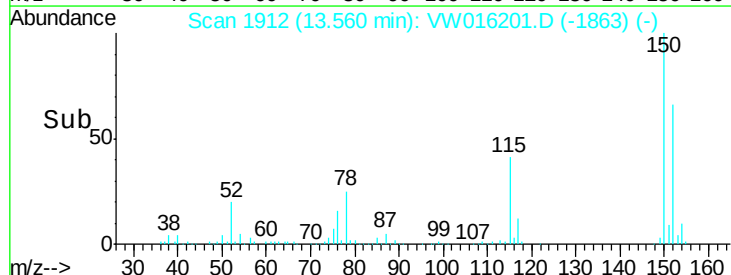
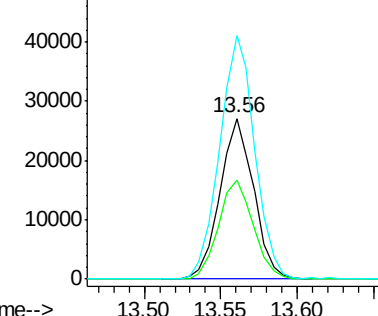


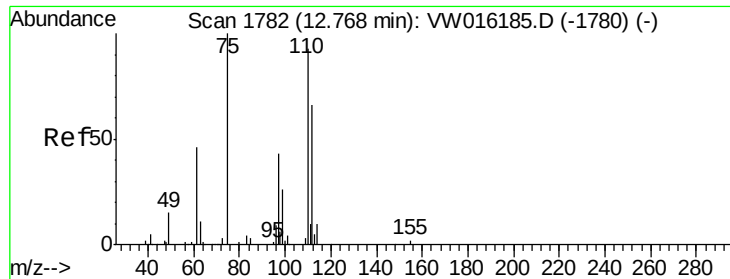
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016201.D
Acq: 14 Aug 2020 19:12

Tgt Ion:152 Resp: 41463
Ion Ratio Lower Upper
152 100
115 63.5 30.9 92.5
150 157.9 0.0 337.8



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: 79.971 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

Instrument :

MSVOA_W

ClientSampled :

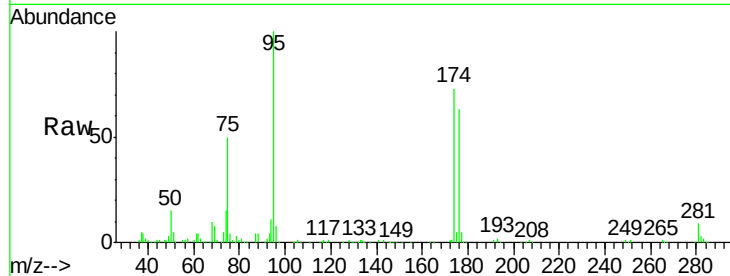
TP-1

Tgt Ion: 75 Resp: 30495

Ion Ratio Lower Upper

75 100

77 1.7 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

20000

15000

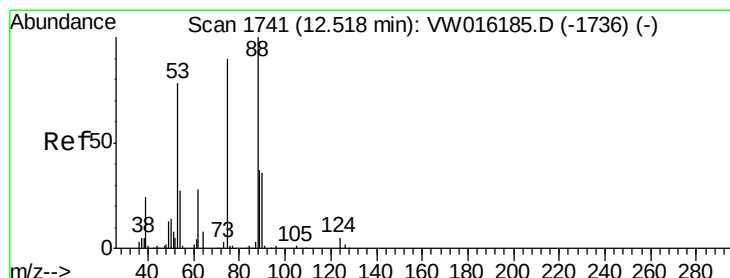
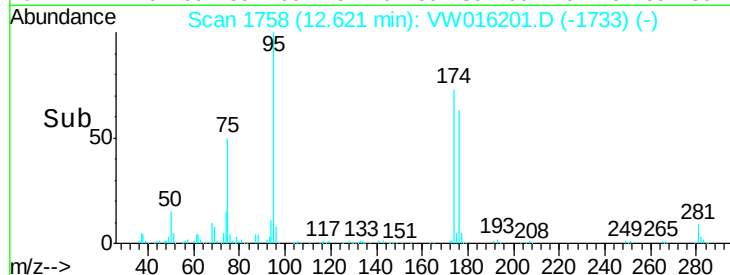
10000

5000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 191.822 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016201.D

Acq: 14 Aug 2020 19:12

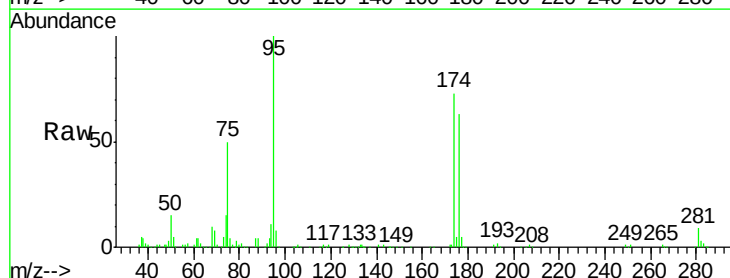
Tgt Ion: 75 Resp: 30495

Ion Ratio Lower Upper

75 100

53 0.1 74.6 111.8#

89 0.0 37.2 55.8#



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

25000

20000

15000

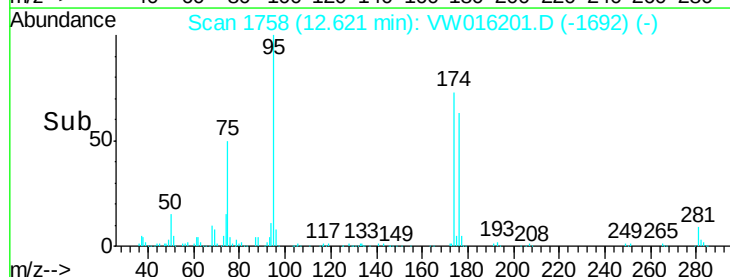
10000

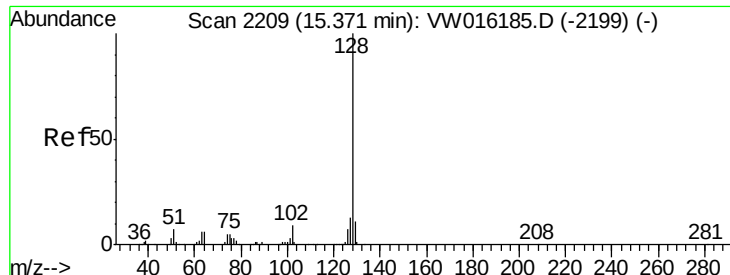
5000

0

Time-->

12.55 12.60 12.65 12.70

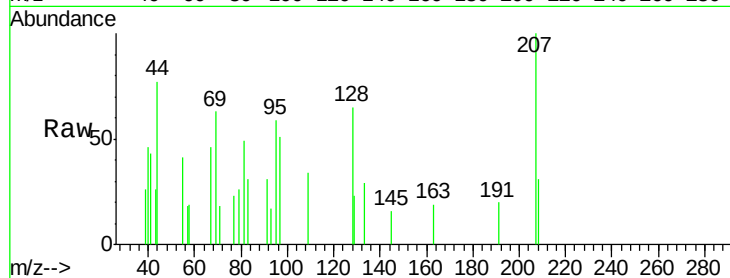




#95
Naphthalene
Concen: 3.857 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW016201.D
Acq: 14 Aug 2020 19:12

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	11.3	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

