

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015814.D
 Acq On : 08 Jul 2020 17:15
 Operator : SY/VA
 Sample : L3203-09
 Misc : 7.24G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-20

Quant Time: Jul 09 04:42:10 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	154392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	268700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101295	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	96508	60.70	ug/l	0.00
Spiked Amount			Recovery	=	121.40%	
35) Dibromofluoromethane	7.89	113	86411	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	
50) Toluene-d8	10.32	98	331552	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
62) 4-Bromofluorobenzene	12.62	95	106531	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

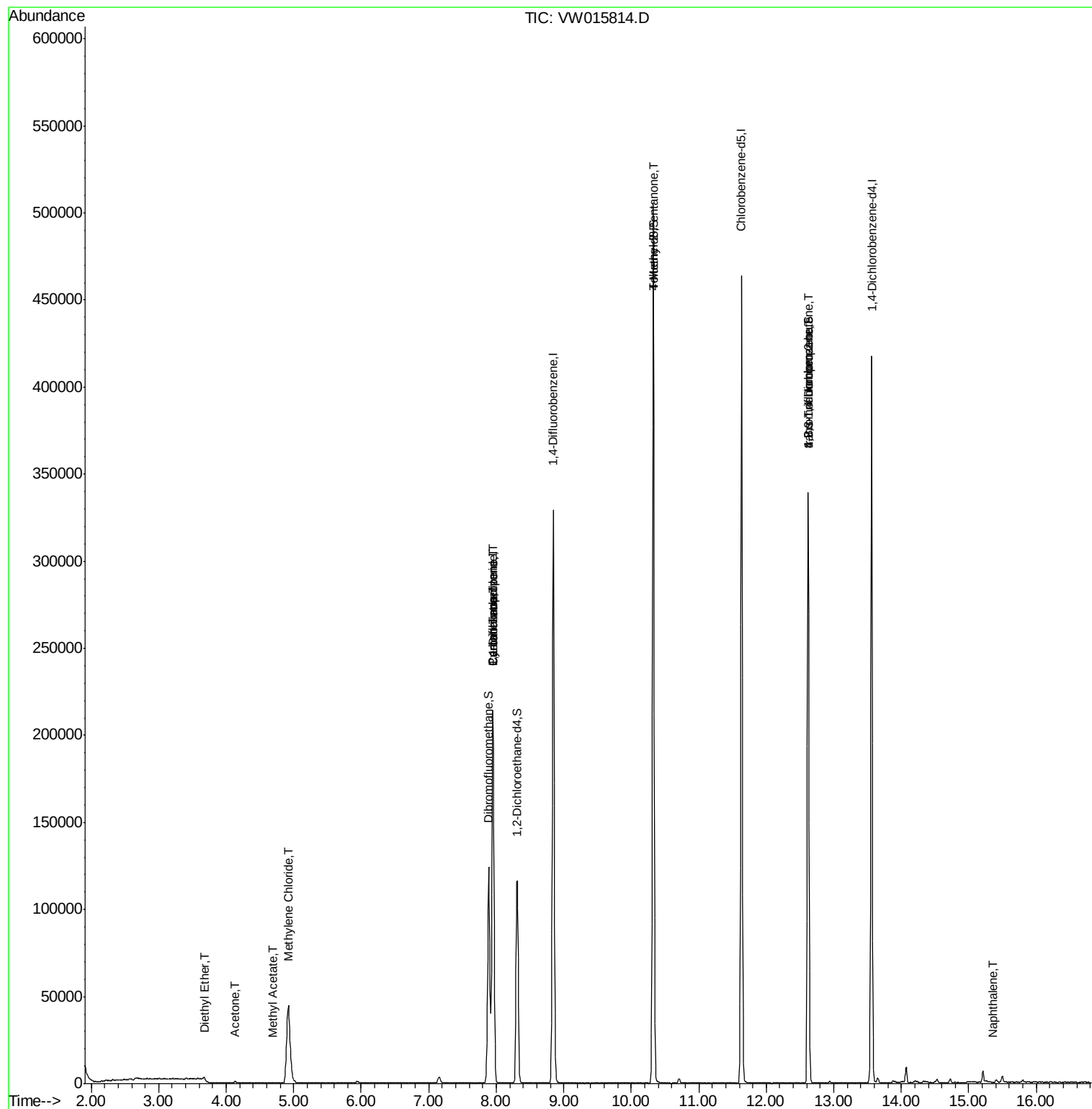
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	769	1.007	ug/l	77
16) Acetone	4.14	43	1759	5.913	ug/l	99
18) Methyl Acetate	4.68	43	822	1.214	ug/l #	62
20) Methylene Chloride	4.92	84	39929	23.735	ug/l	96
31) Cyclohexane	7.95	56	3720	1.352	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	13402	5.060	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15978	6.234	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1664	1.697	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	58088	65.249	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	58088	140.673	ug/l #	7
95) Naphthalene	15.36	128	200	2.868	ug/l #	69

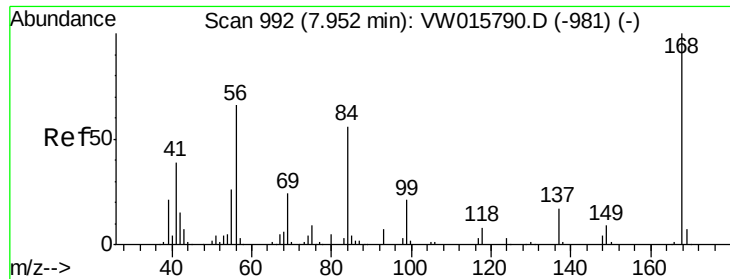
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

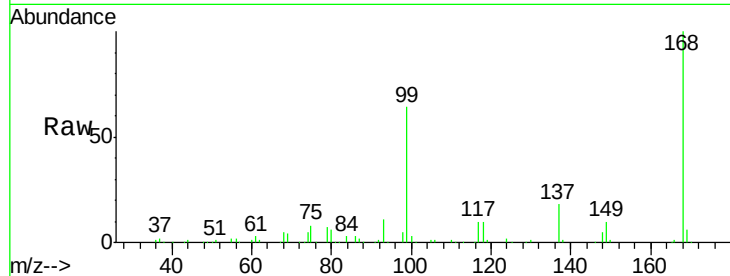
RO-20

Tot Ion:168 Resp: 154392

Ion Ratio Lower Upper

168 100

99 63.7 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

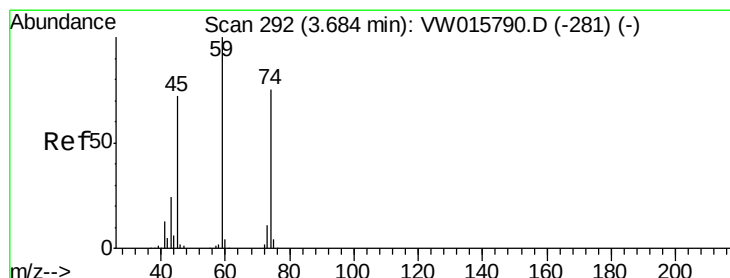
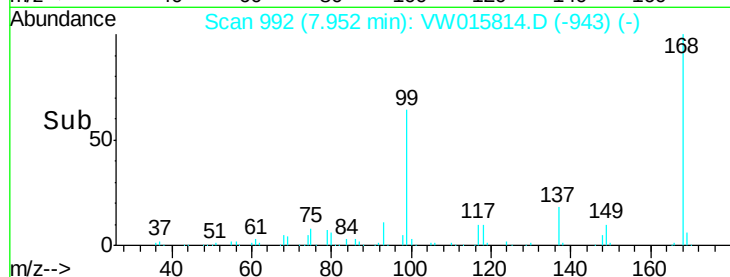
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.007 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW015814.D

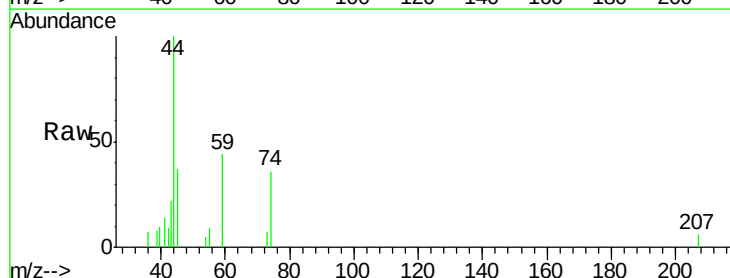
Acq: 08 Jul 2020 17:15

Tgt Ion: 74 Resp: 769

Ion Ratio Lower Upper

74 100

45 120.2 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

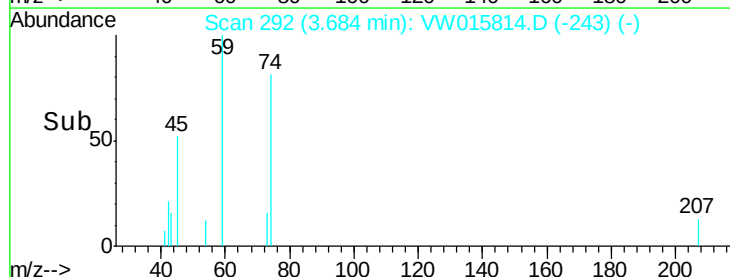
300

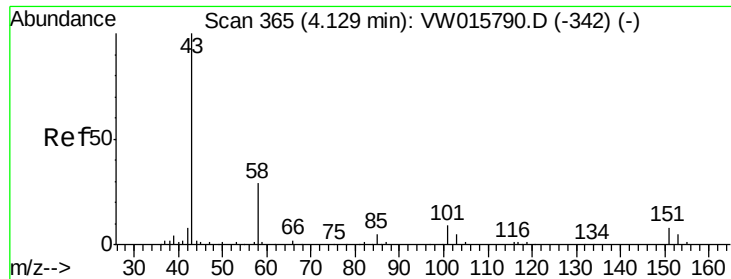
200

100

0

Time-->





#16

Acetone

Concen: 5.913 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

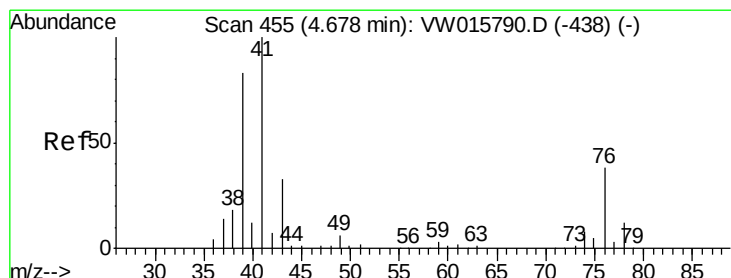
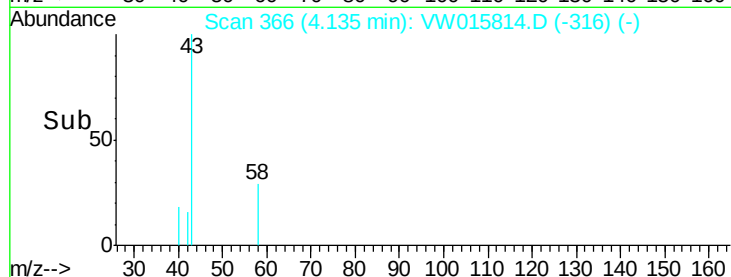
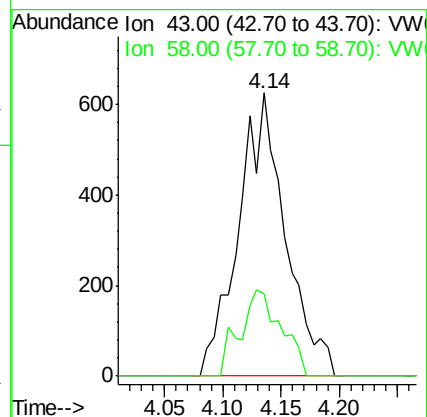
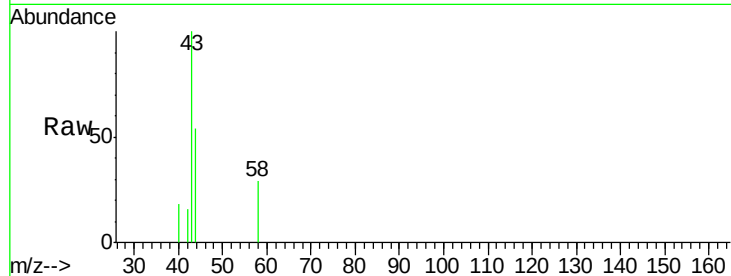
RO-20

Tot Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

58 29.1 23.5 35.3



#18

Methyl Acetate

Concen: 1.214 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015814.D

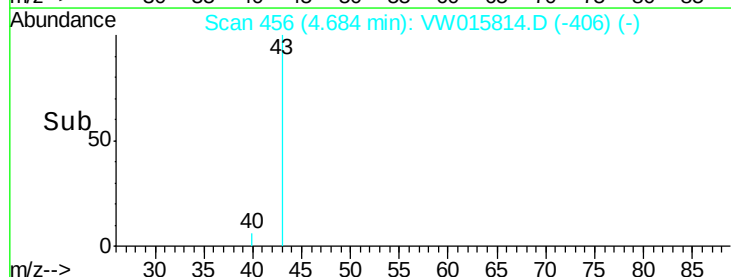
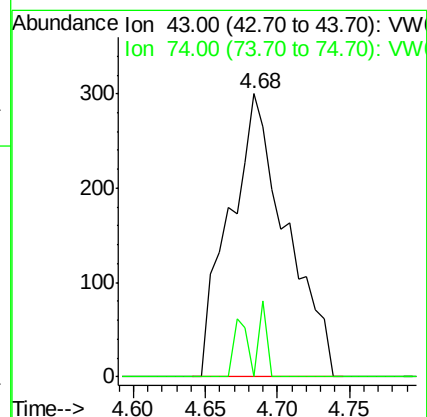
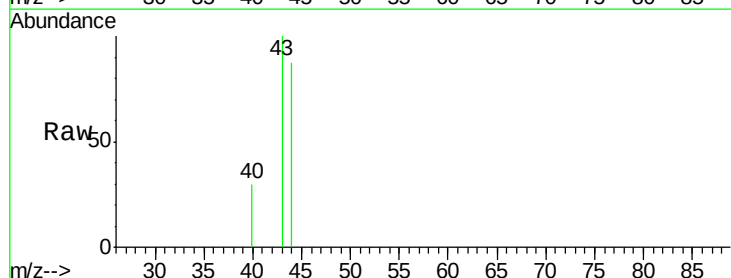
Acq: 08 Jul 2020 17:15

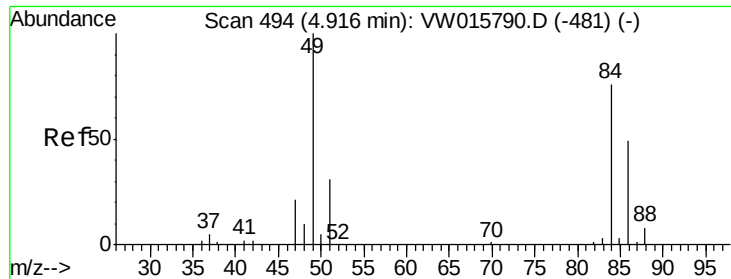
Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

74 5.1 19.2 28.8#

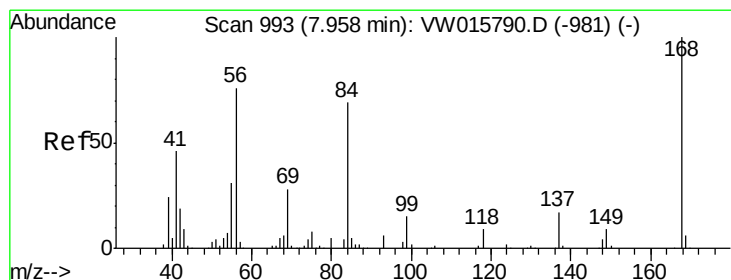
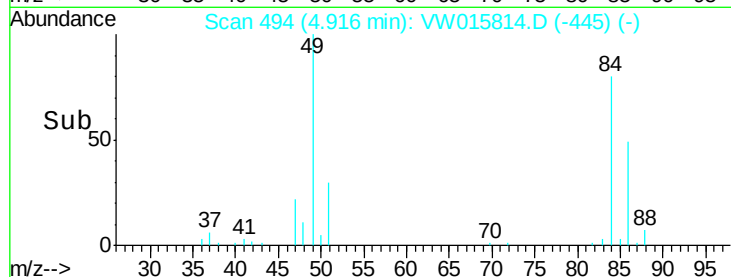
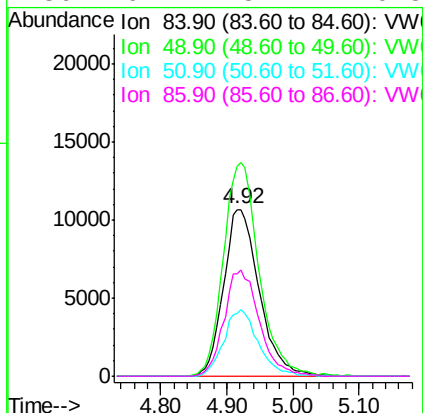
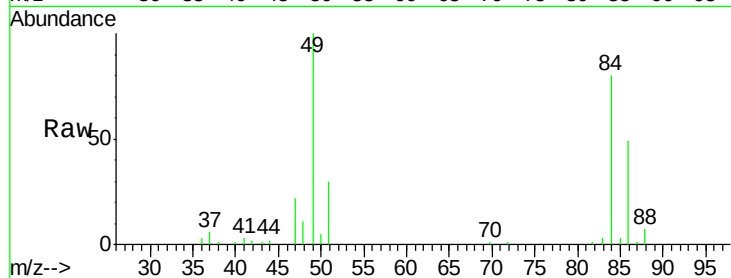




#20
Methylene Chloride
Concen: 23.735 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

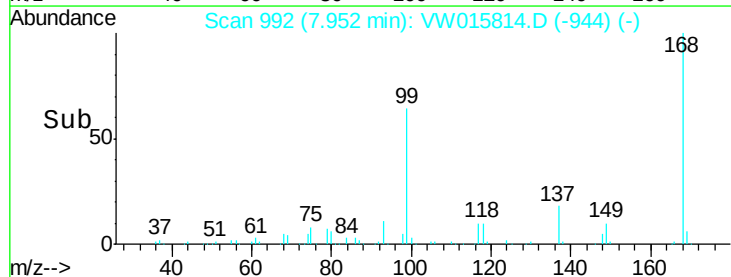
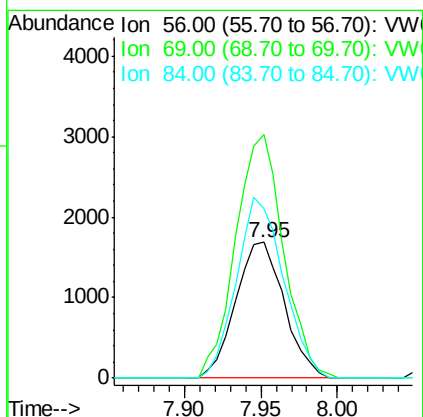
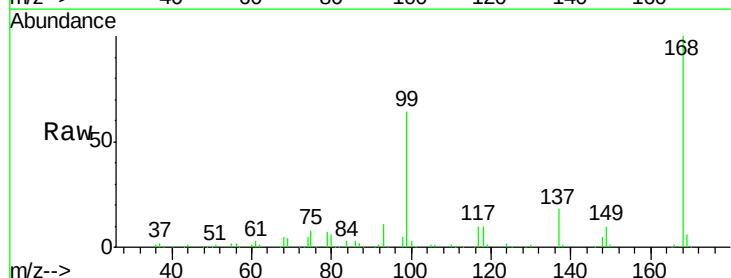
Instrument :
MSVOA_W
ClientSampleId :
RO-20

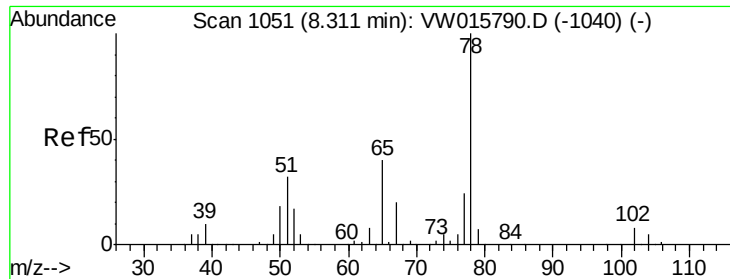
Tot Ion:	84	Resp:	39929
Ion	Ratio	Lower	Upper
84	100		
49	125.5	105.0	157.6
51	37.4	32.3	48.5
86	61.7	51.2	76.8



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

Tgt Ion:	56	Resp:	3720
Ion	Ratio	Lower	Upper
56	100		
69	179.1	28.9	43.3#
84	124.2	72.2	108.4#

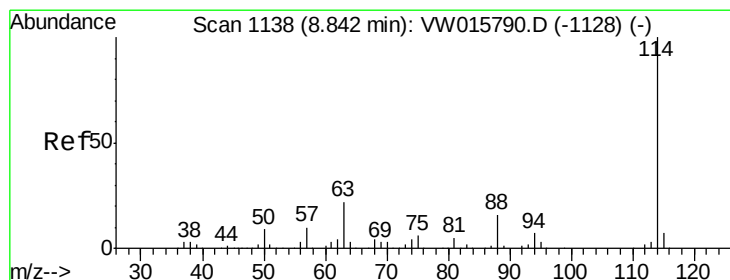
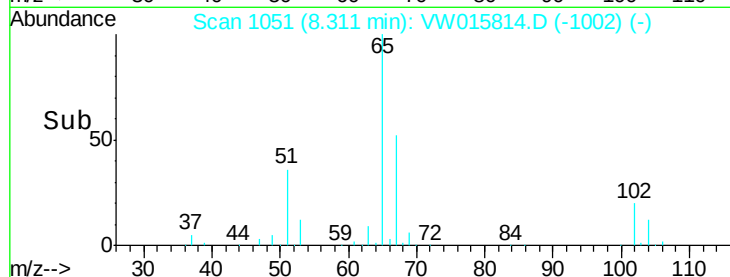
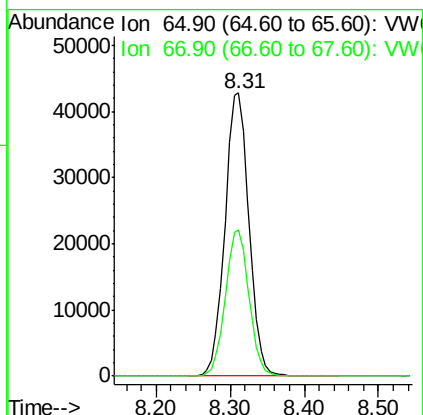
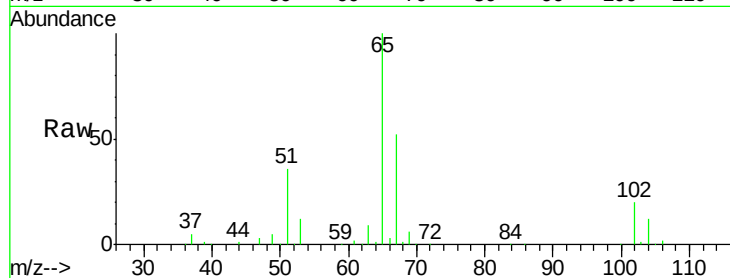




#33
 1,2-Dichloroethane-d4
 Concen: 60.702 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015814.D
 Acq: 08 Jul 2020 17:15

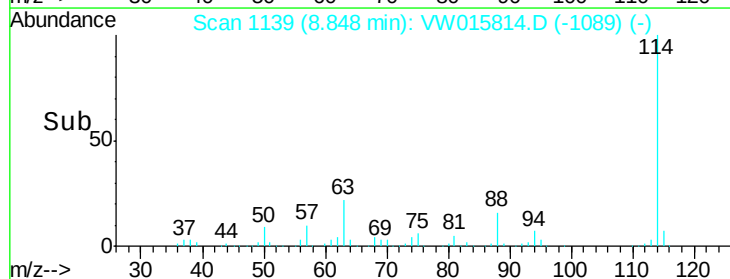
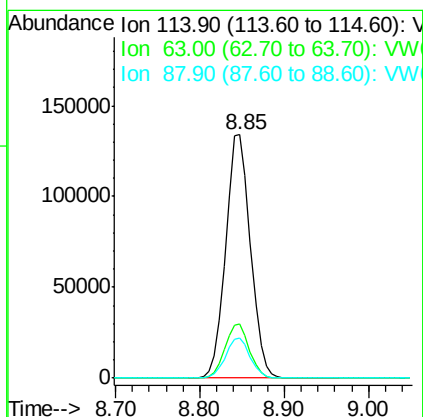
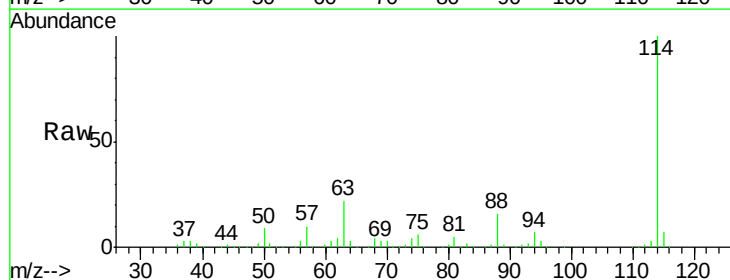
Instrument :
 MSVOA_W
 ClientSampleId :
 RO-20

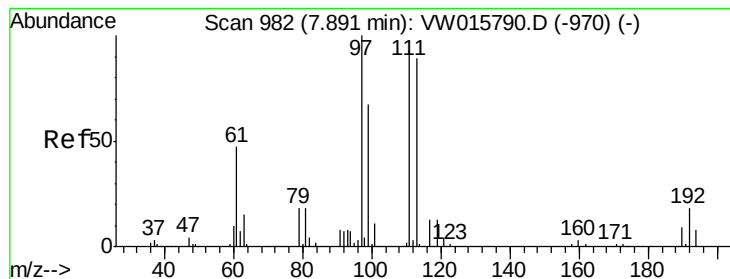
Tot Ion: 65 Resp: 96508
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015814.D
 Acq: 08 Jul 2020 17:15

Tgt Ion: 114 Resp: 268700
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.4
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.122 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

RO-20

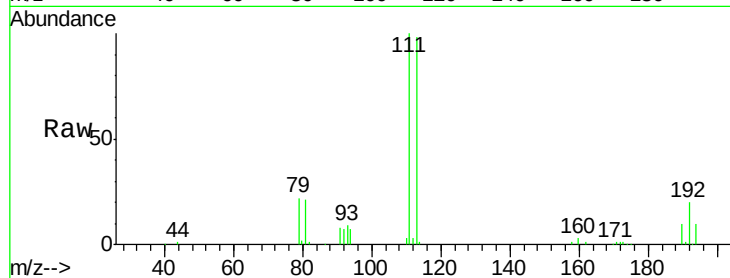
Tot Ion:113 Resp: 86411

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

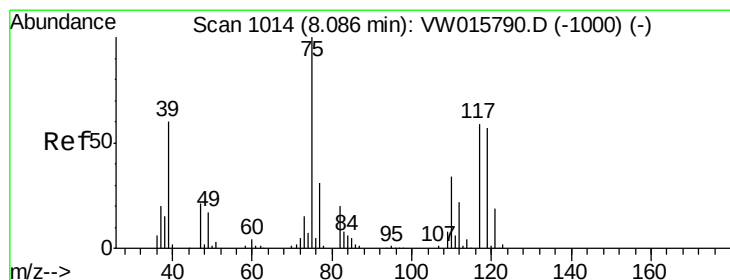
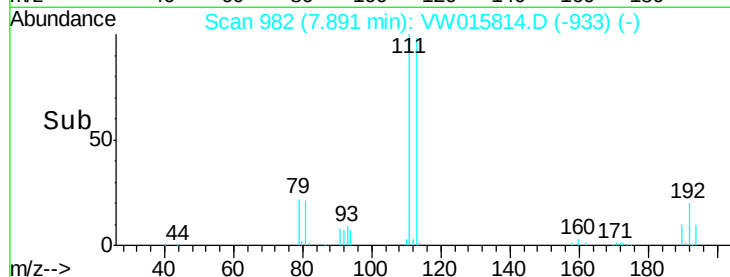
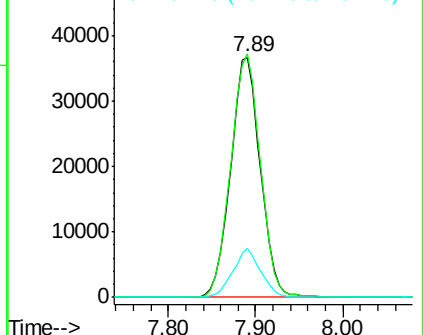
192 19.0 15.4 23.2



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: 5.060 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

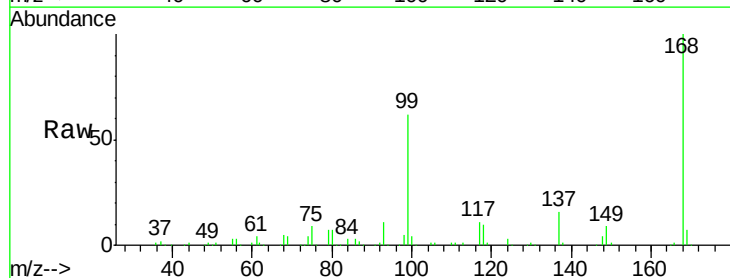
Tgt Ion: 75 Resp: 13402

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.3#

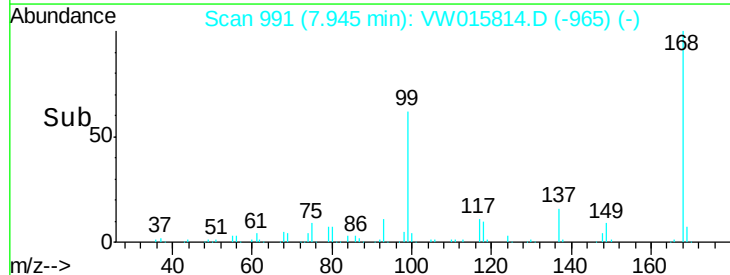
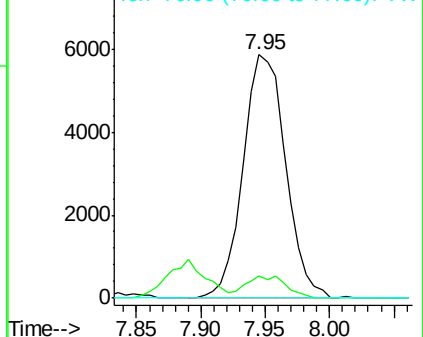
77 0.0 24.7 37.1#

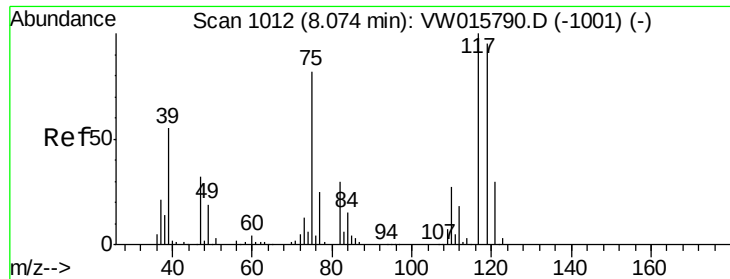


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

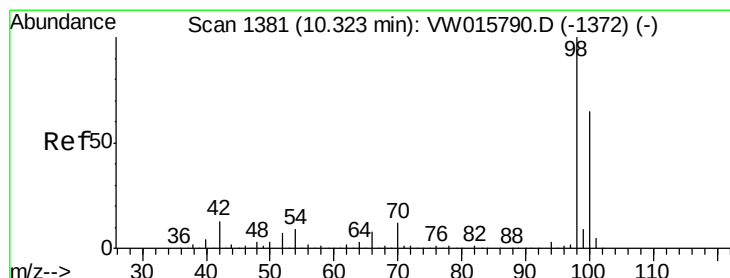
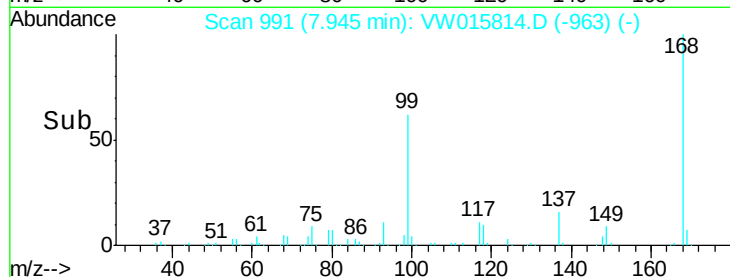
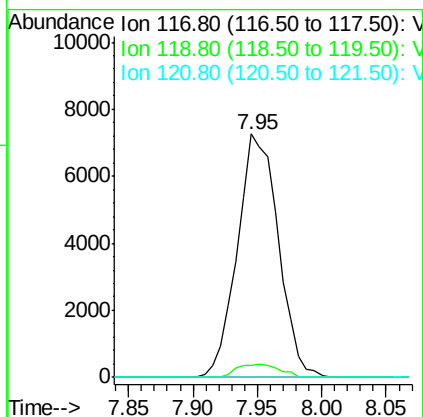
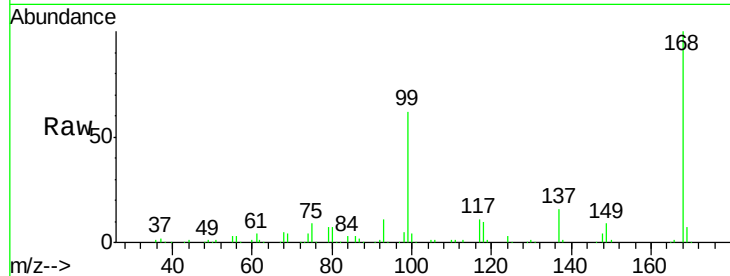




#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

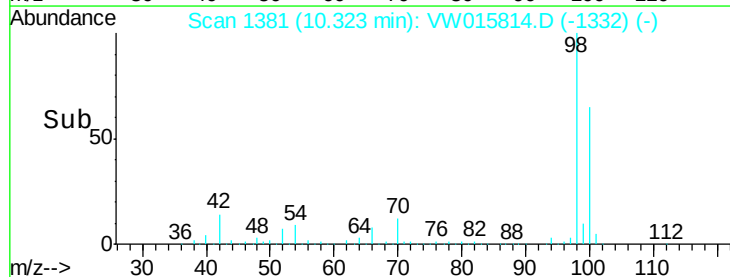
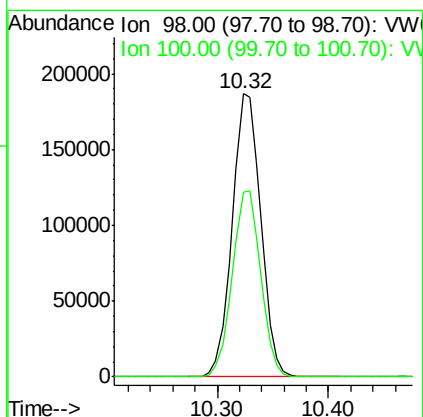
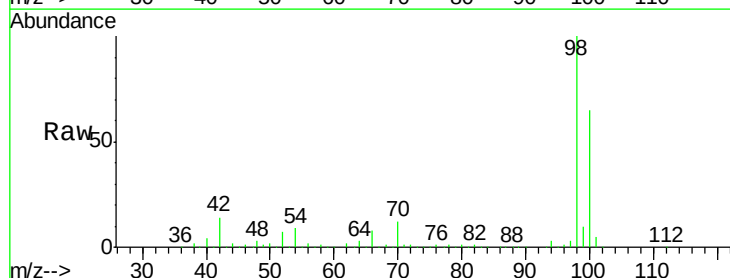
Instrument :
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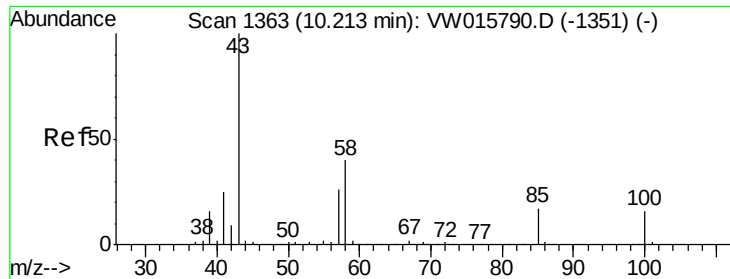
Tot Ion:117 Resp: 15978
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 55.061 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

Tgt Ion: 98 Resp: 331552
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 1.697 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

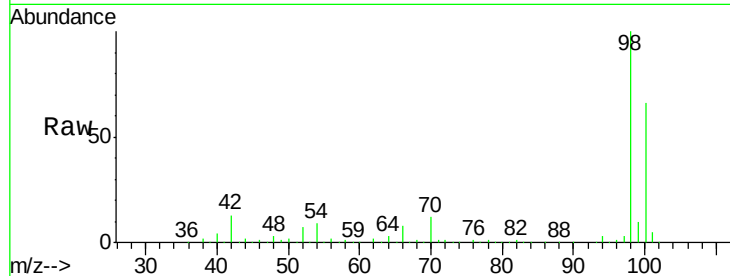
RO-20

Tot Ion: 43 Resp: 1664

Ion Ratio Lower Upper

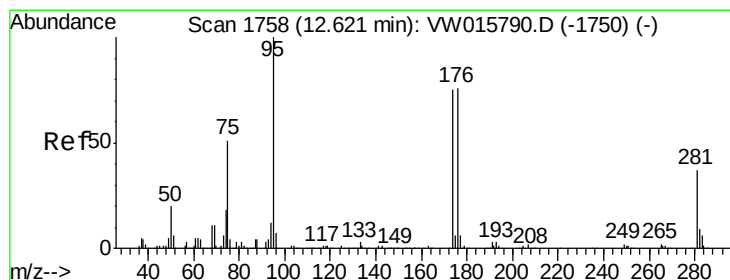
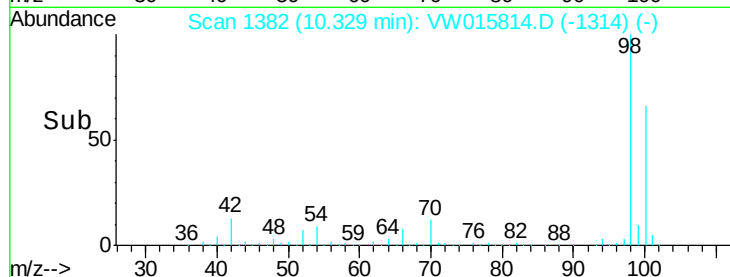
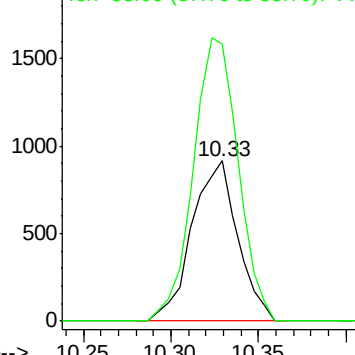
43 100

58 173.1 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 48.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

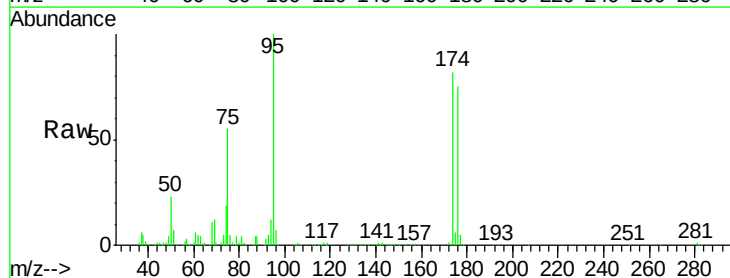
Tgt Ion: 95 Resp: 106531

Ion Ratio Lower Upper

95 100

174 80.3 0.0 150.2

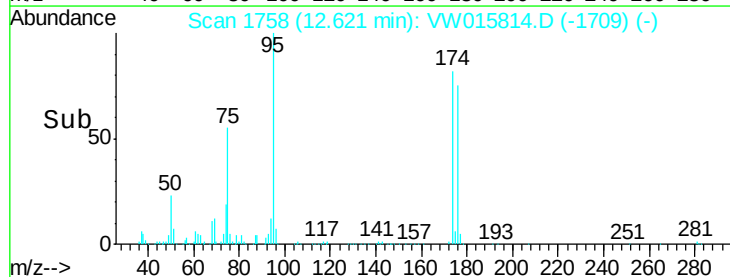
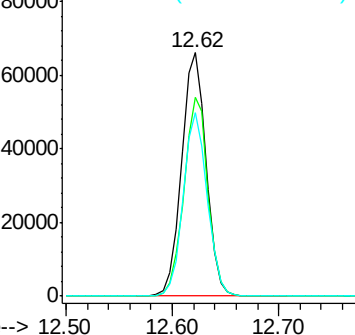
176 73.8 0.0 148.4

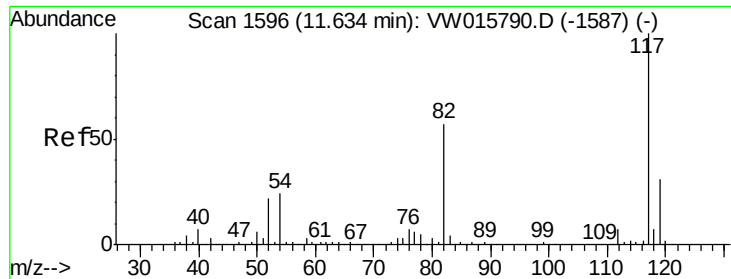


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

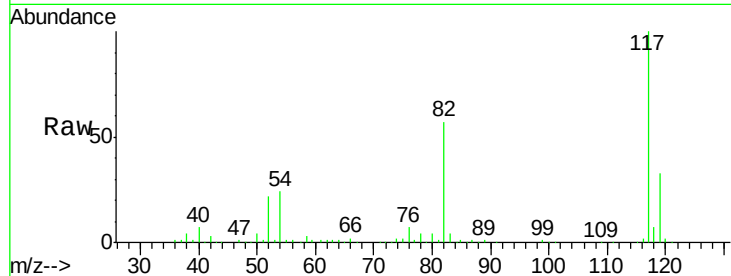




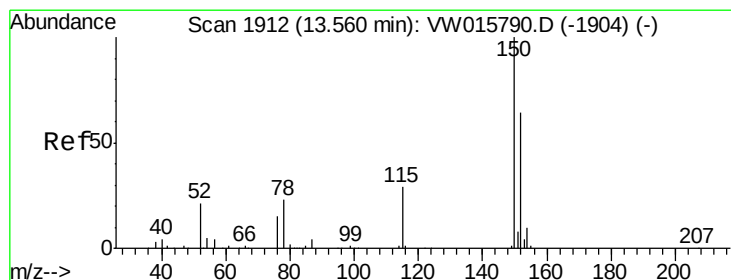
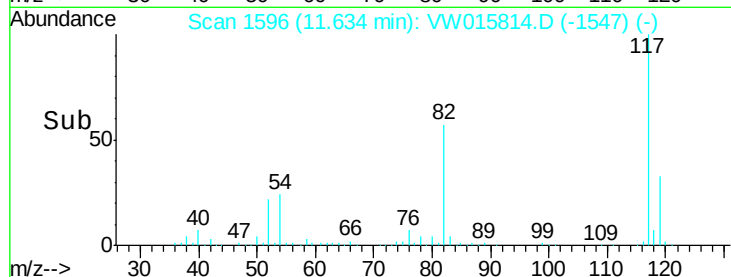
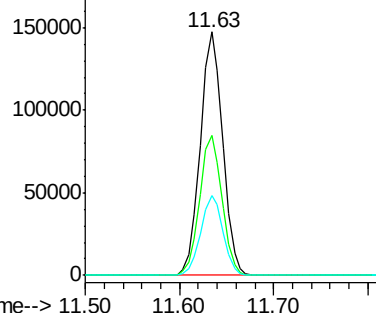
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

Instrument :
MSVOA_W
ClientSampleId :
RO-20

Tot Ion:117 Resp: 242998
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 32.6 25.0 37.6

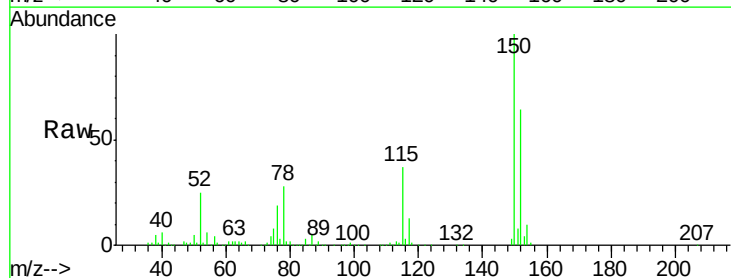


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

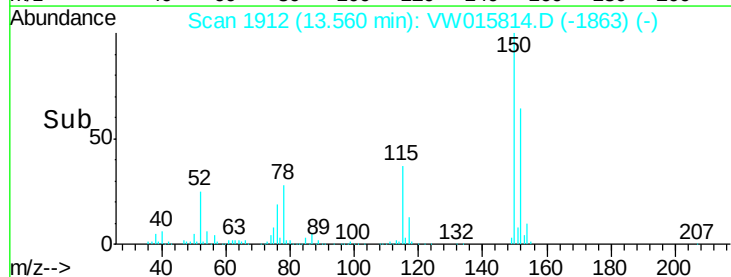
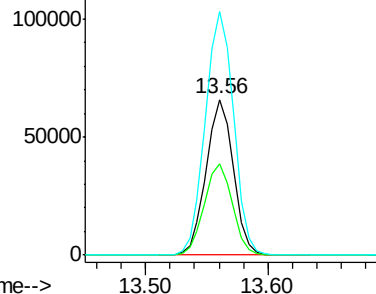


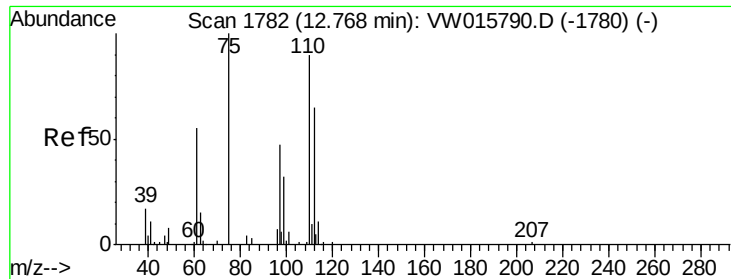
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

Tgt Ion:152 Resp: 101295
Ion Ratio Lower Upper
152 100
115 60.4 29.9 89.7
150 162.6 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: 65.249 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

Instrument :

MSVOA_W

ClientSampled :

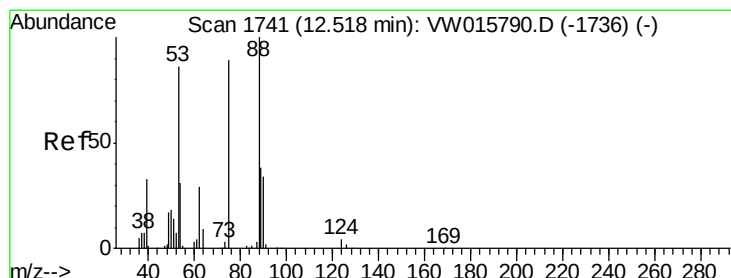
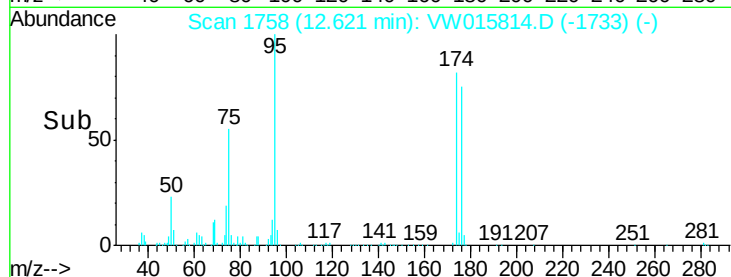
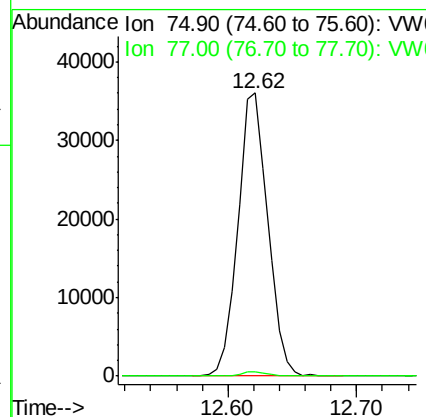
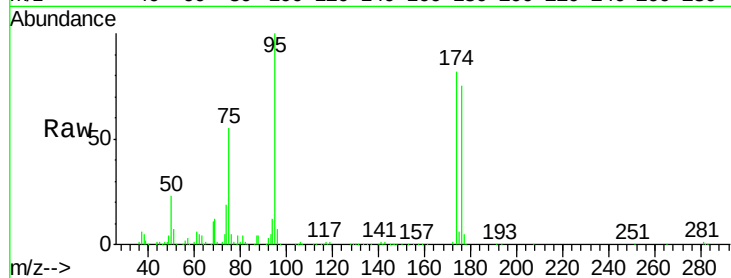
RO-20

Tot Ion: 75 Resp: 58088

Ion Ratio Lower Upper

75 100

77 1.3 177.3 532.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.673 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015814.D

Acq: 08 Jul 2020 17:15

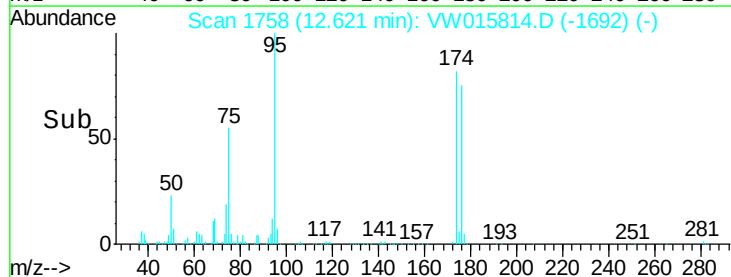
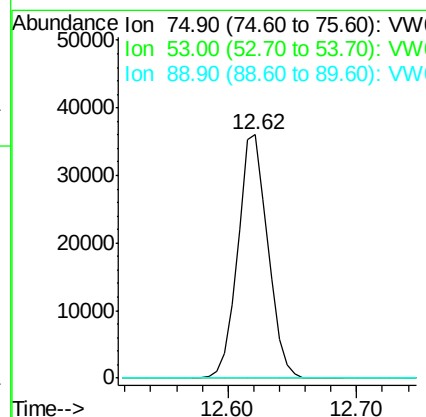
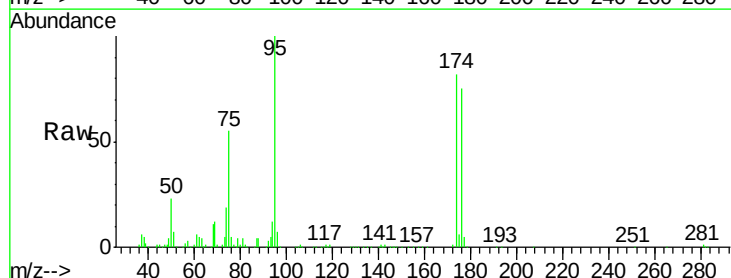
Tgt Ion: 75 Resp: 58088

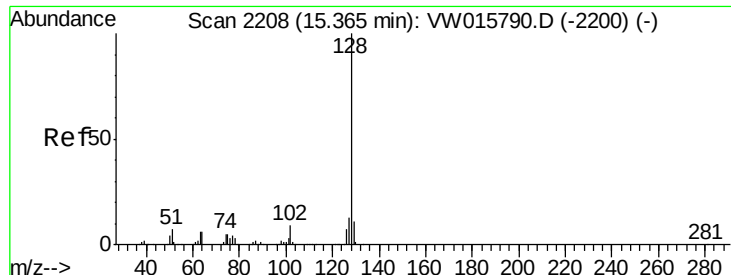
Ion Ratio Lower Upper

75 100

53 0.1 85.9 128.9#

89 0.0 36.2 54.4#





#95
Naphthalene
Concen: 2.868 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015814.D
Acq: 08 Jul 2020 17:15

Instrument :
MSVOA_W
ClientSampleId :
RO-20

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

