

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015225.D
 Acq On : 20 Apr 2020 16:22
 Operator : SY/VA
 Sample : VW0420SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBL01

Quant Time: Apr 21 06:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	121379	50.00	ug/l	0.00

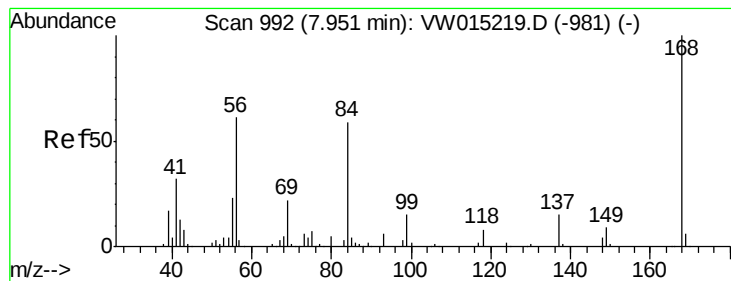
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	86620	45.92	ug/l	0.00
Spiked Amount						
			Recovery	=	91.84%	
35) Dibromofluoromethane	7.88	113	89349	50.84	ug/l	0.00
Spiked Amount						
			Recovery	=	101.68%	
50) Toluene-d8	10.32	98	380784	51.50	ug/l	0.00
Spiked Amount						
			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	124930	44.29	ug/l	0.00
Spiked Amount						
			Recovery	=	88.58%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.12	59	793	5.158	ug/l #	78
16) Acetone	4.14	43	1593	4.835	ug/l	93
20) Methylene Chloride	4.92	84	7435	3.444	ug/l	95
25) 2-Butanone	7.13	43	1236	2.828	ug/l #	76
29) Tetrahydrofuran	7.56	42	448	1.645	ug/l #	32
31) Cyclohexane	7.95	56	4664	1.337	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	15202	5.308	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20914	6.683	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1342	1.467	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	62586	66.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62586	145.702	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

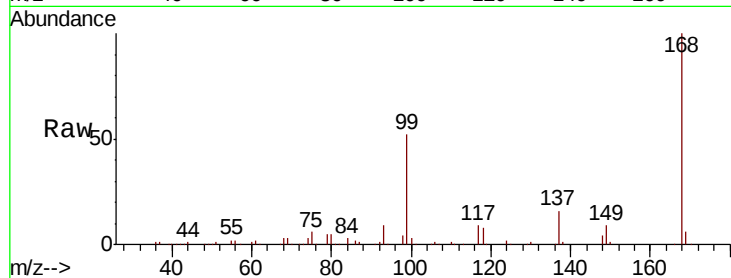
VW0420SBL01

Tot Ion:168 Resp: 230658

Ion Ratio Lower Upper

168 100

99 52.5 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

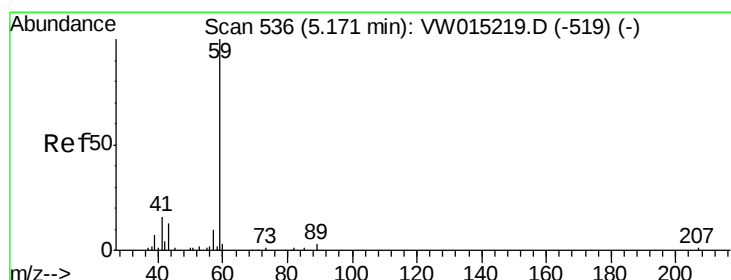
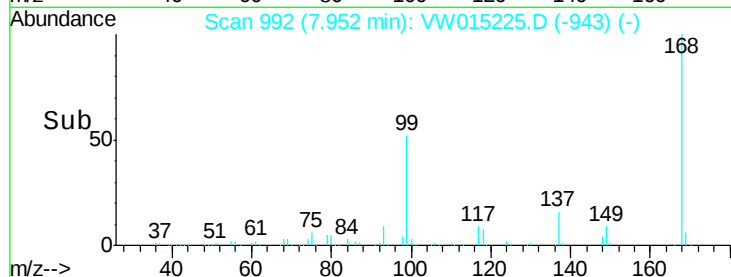
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.158 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW015225.D

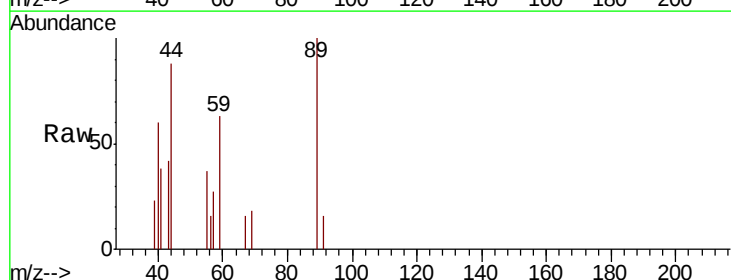
Acq: 20 Apr 2020 16:22

Tgt Ion: 59 Resp: 793

Ion Ratio Lower Upper

59 100

57 18.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

200

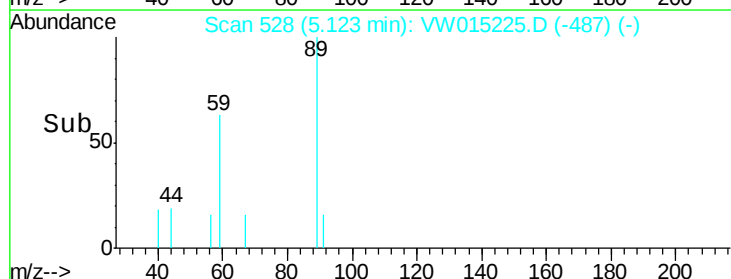
150

100

50

0

Time-->





#16

Acetone

Concen: 4.835 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

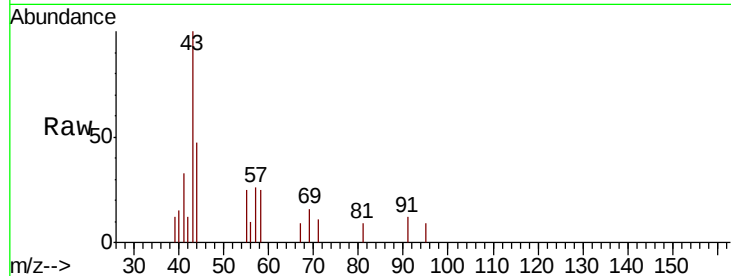
VW0420SBL01

Tot Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

58 30.0 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

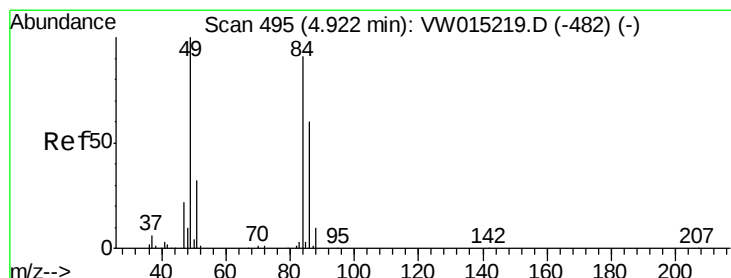
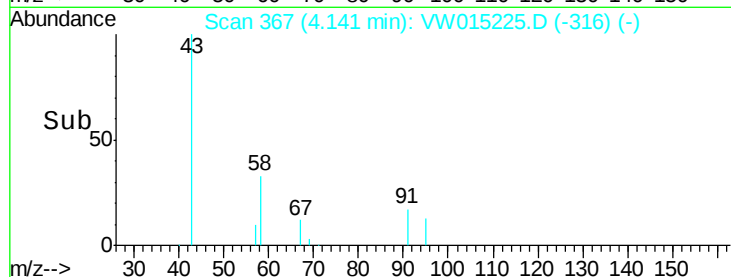
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 3.444 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Tgt Ion: 84 Resp: 7435

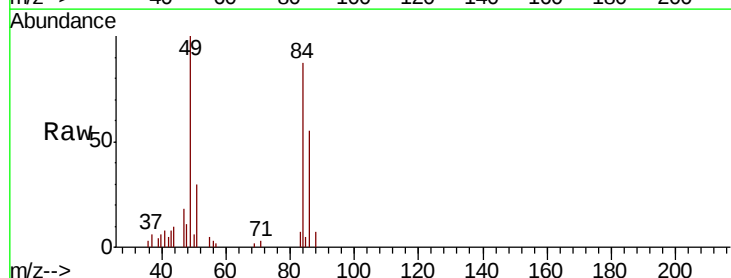
Ion Ratio Lower Upper

84 100

49 114.8 95.4 143.0

51 34.7 29.8 44.8

86 63.6 47.4 71.0



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

4000

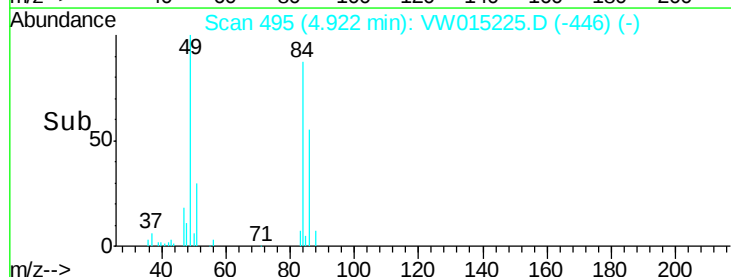
3000

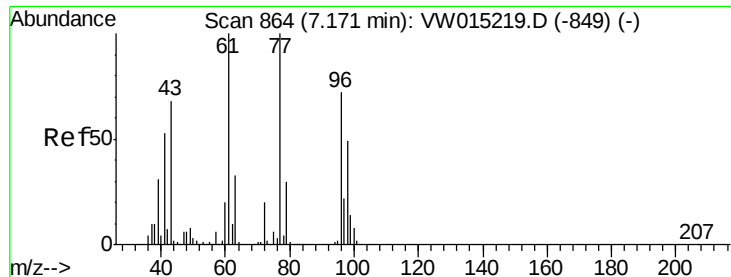
2000

1000

0

Time-->





#25

2-Butanone

Concen: 2.828 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

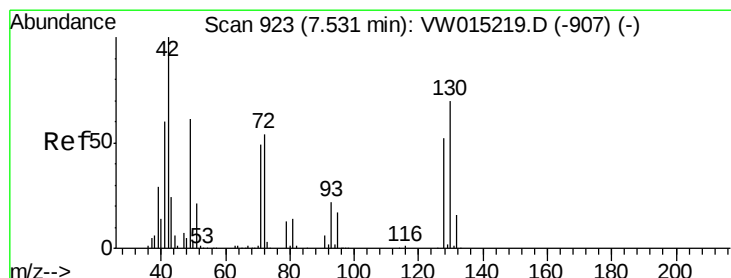
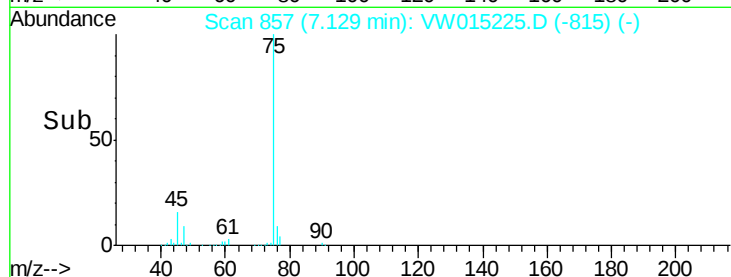
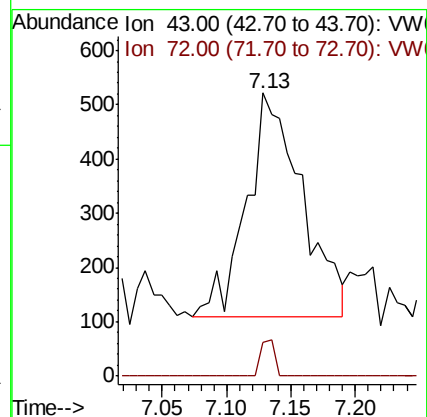
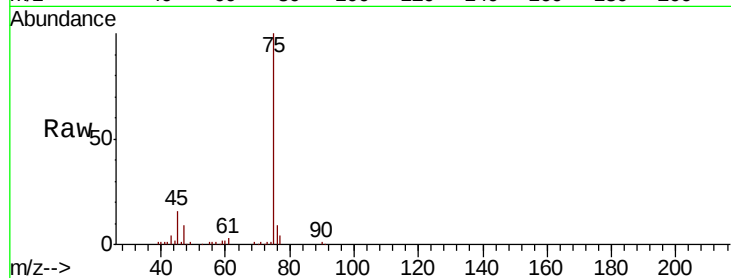
VW0420SBL01

Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

72 14.7 21.6 32.4#



#29

Tetrahydrofuran

Concen: 1.645 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

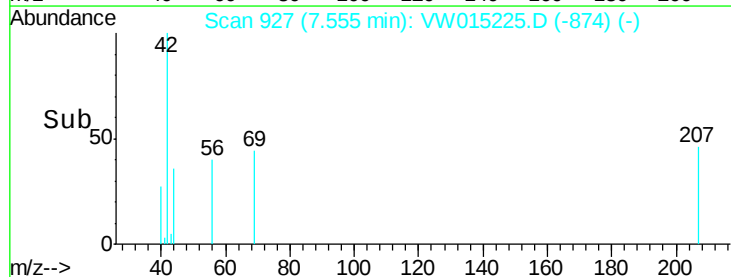
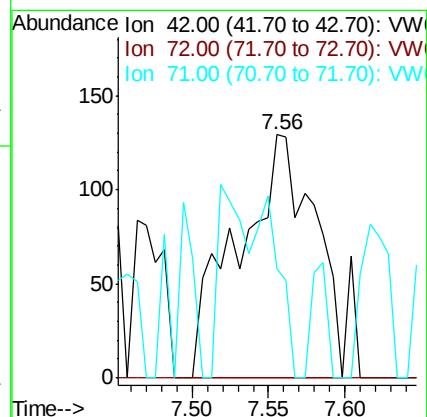
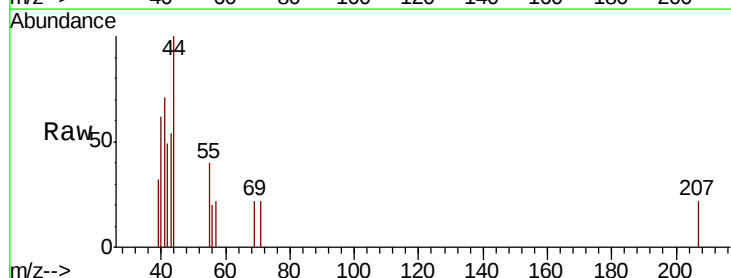
Tgt Ion: 42 Resp: 448

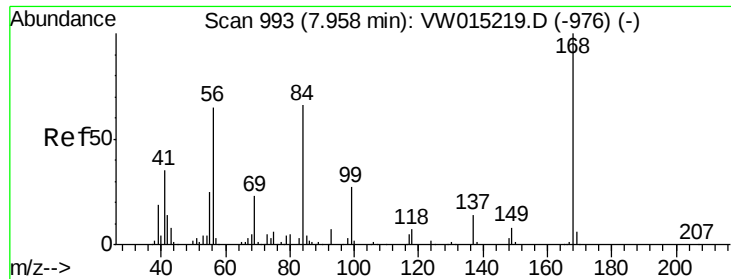
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.2#

71 0.0 34.2 51.4#

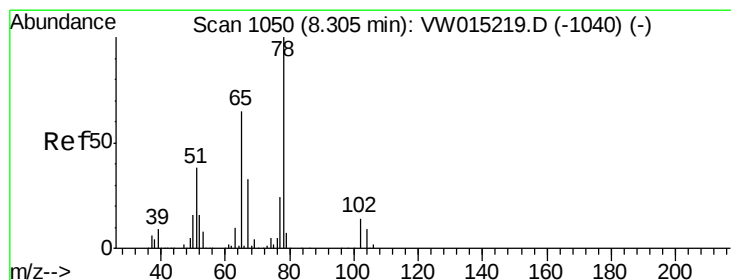
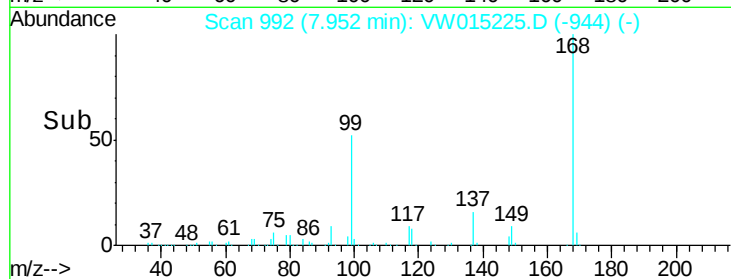
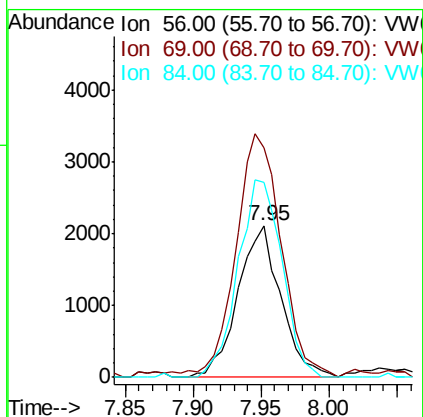
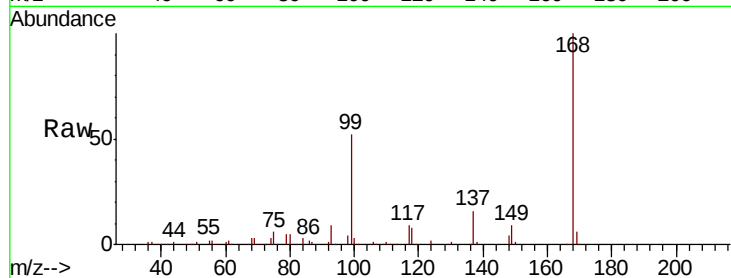




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015225.D
Acq: 20 Apr 2020 16:22

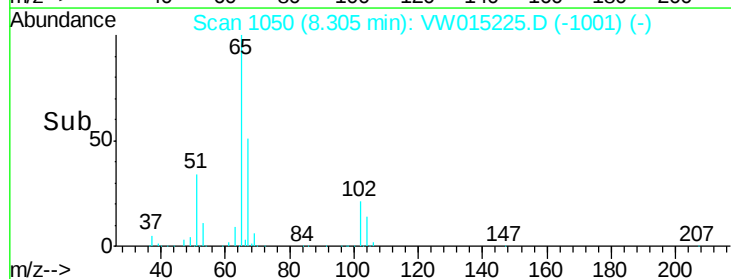
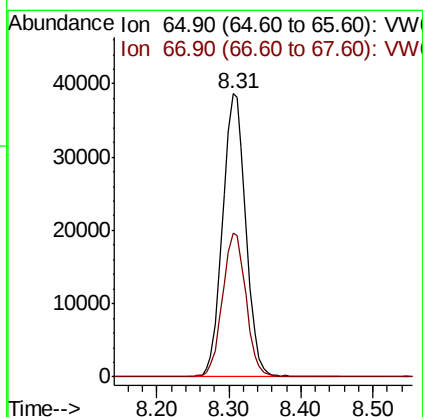
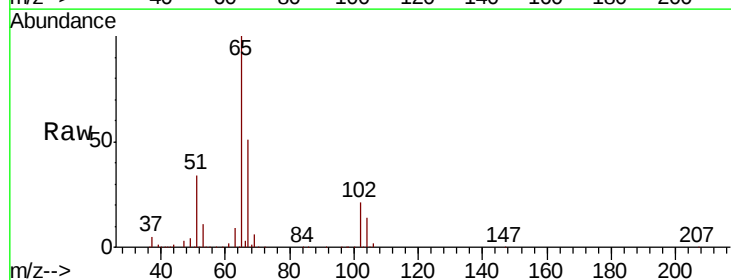
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBL01

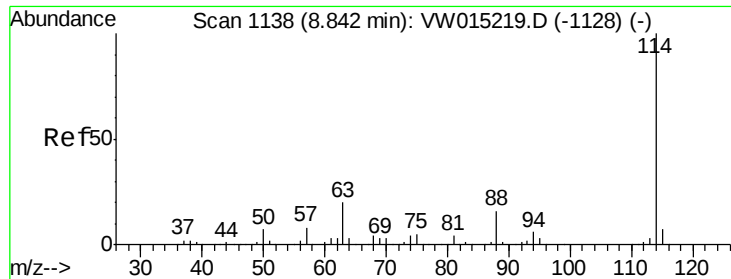
Tot Ion: 56 Resp: 4664
Ion Ratio Lower Upper
56 100
69 151.3 27.1 40.7#
84 128.4 71.9 107.9#



#33
1,2-Dichloroethane-d4
Concen: 45.923 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW015225.D
Acq: 20 Apr 2020 16:22

Tgt Ion: 65 Resp: 86620
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.0

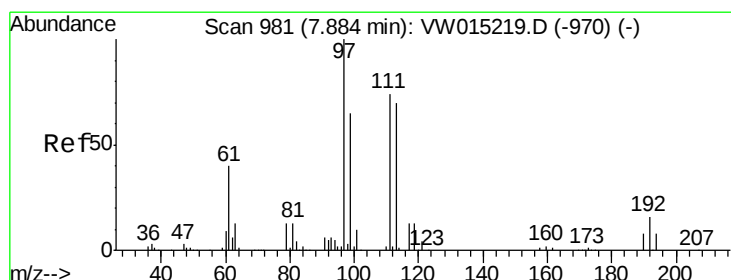
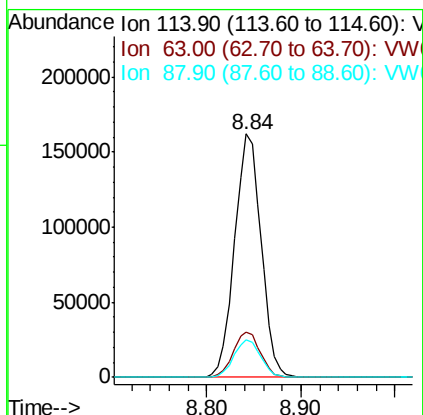
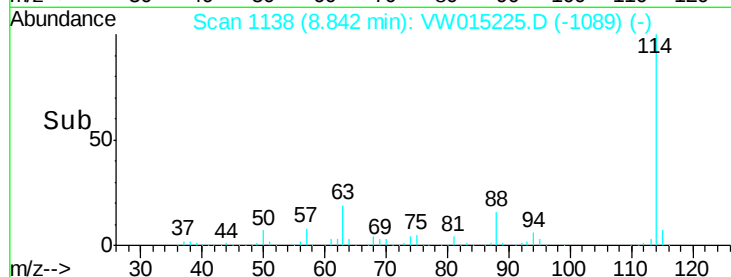
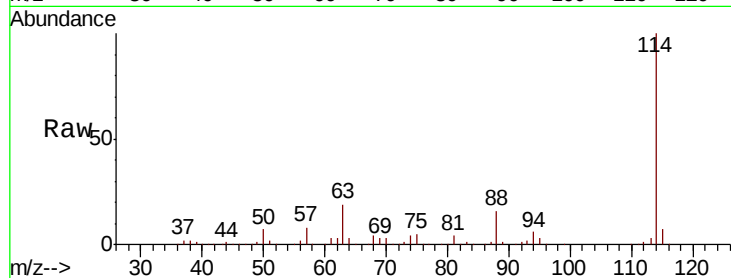




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015225.D
 Acq: 20 Apr 2020 16:22

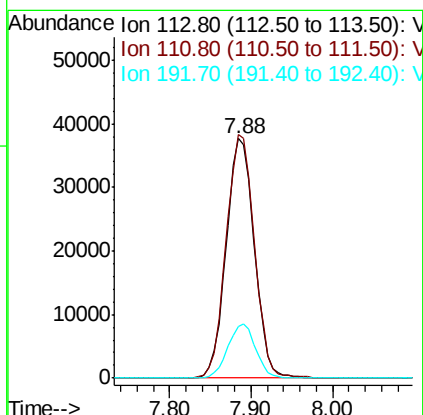
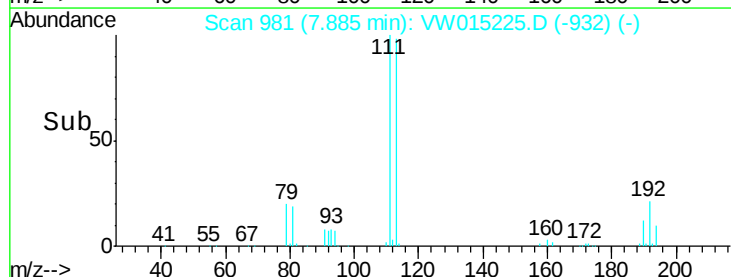
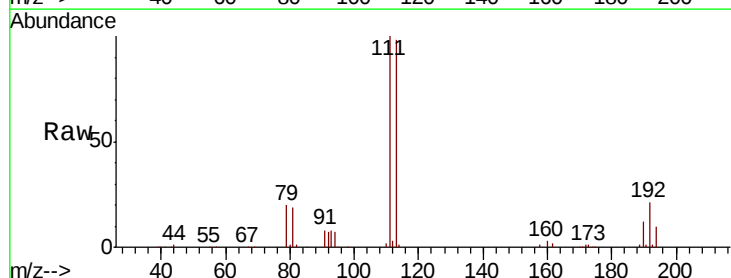
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBL01

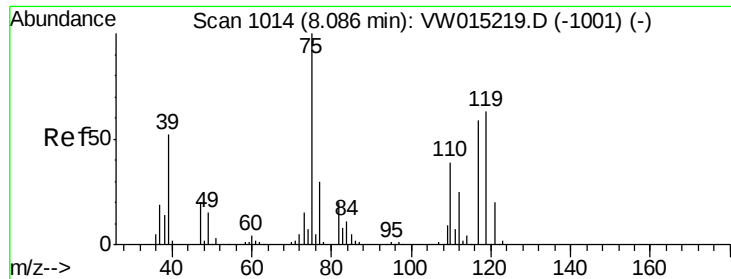
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.8
88	15.6	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 50.837 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015225.D
 Acq: 20 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.2	15.1	22.7

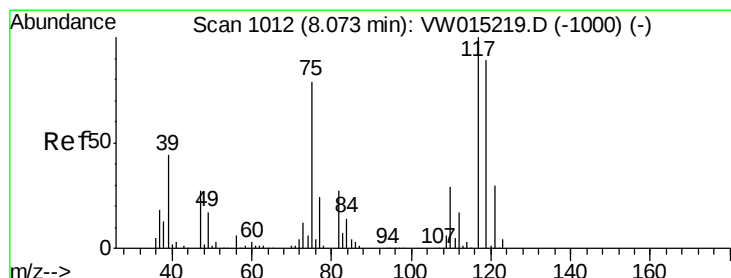
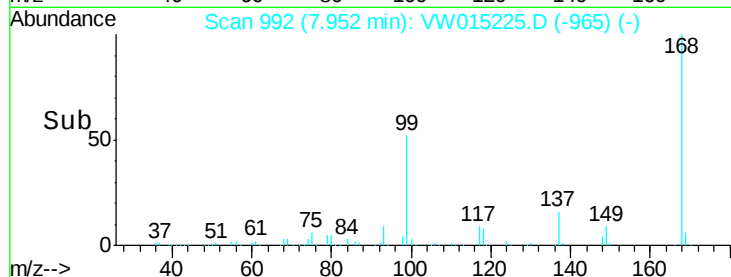
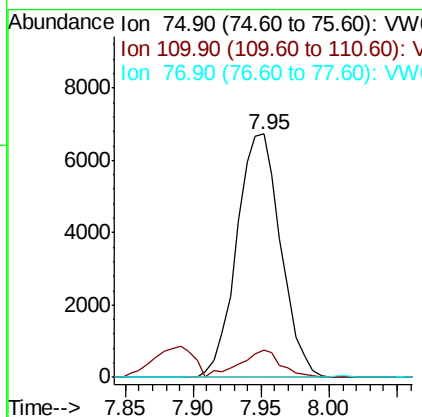
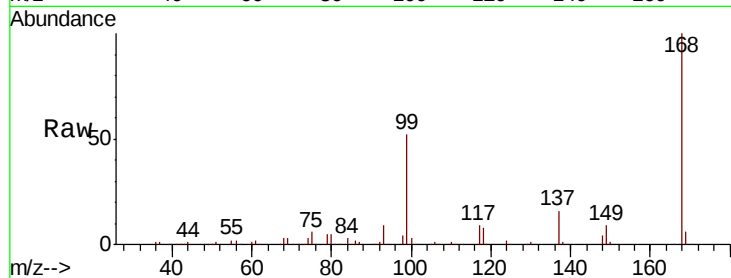




#36
 1,1-Dichloropropene
 Concen: 5.308 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015225.D
 Acq: 20 Apr 2020 16:22

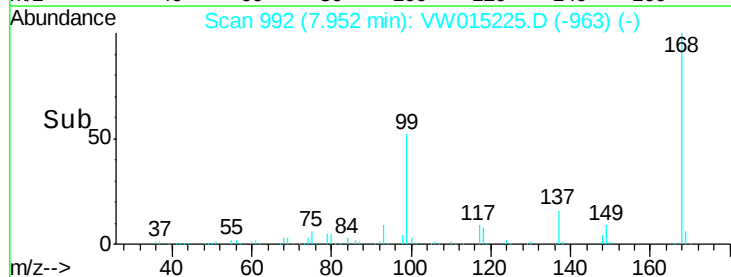
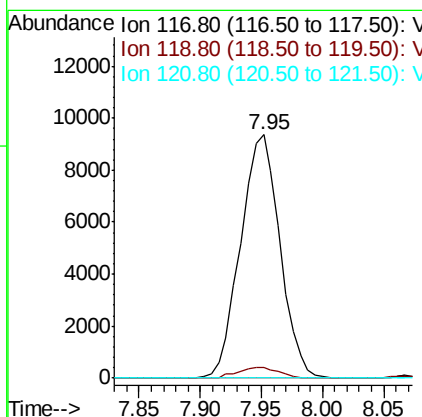
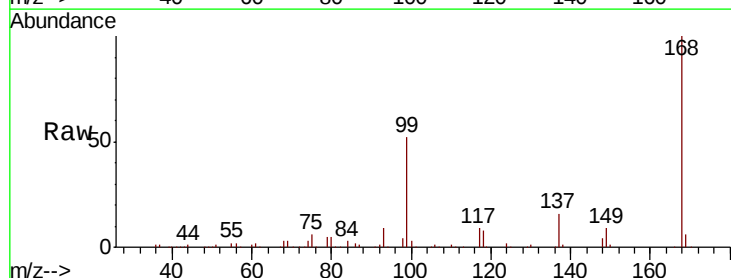
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBL01

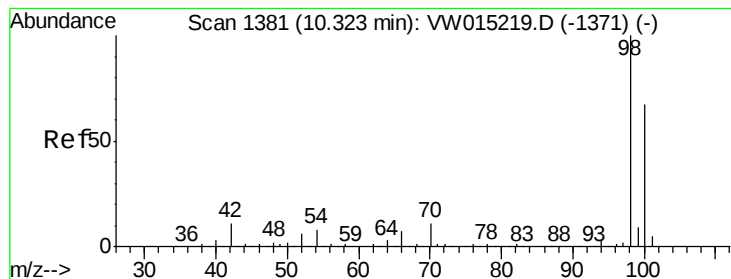
Tot Ion: 75 Resp: 15202
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.2 54.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.683 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015225.D
 Acq: 20 Apr 2020 16:22

Tgt Ion: 117 Resp: 20914
 Ion Ratio Lower Upper
 117 100
 119 4.3 72.3 108.5#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 51.502 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

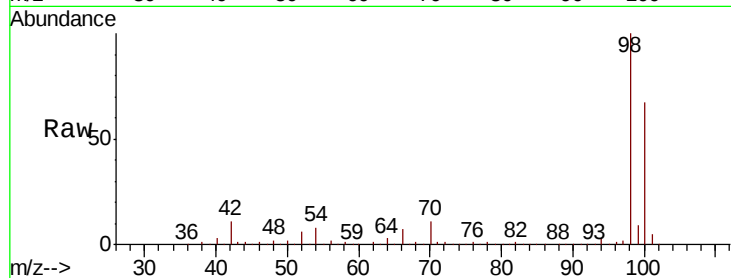
VW0420SBL01

Tot Ion: 98 Resp: 380784

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

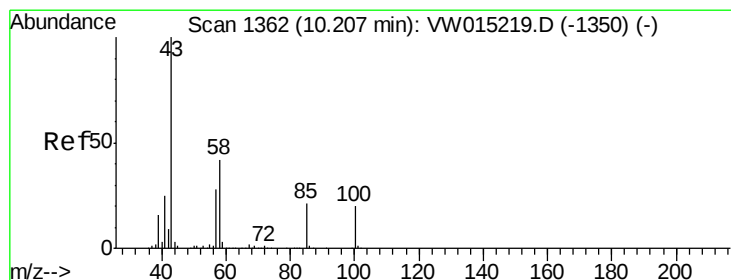
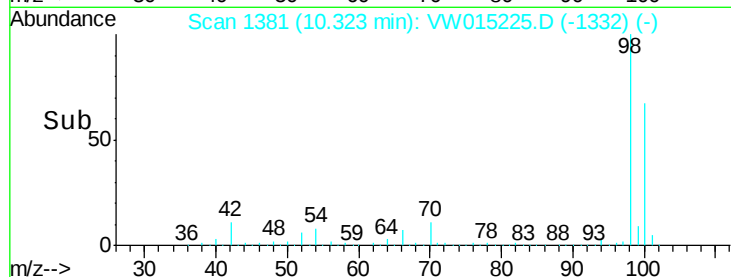
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.467 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015225.D

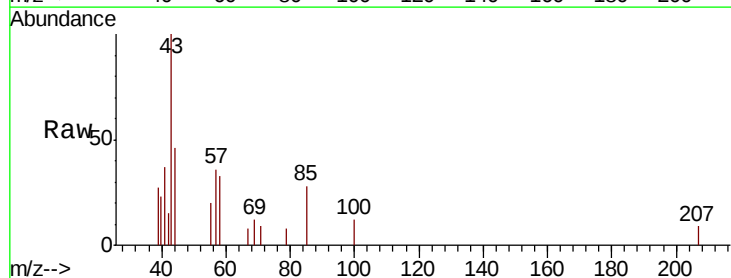
Acq: 20 Apr 2020 16:22

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

58 35.3 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2000

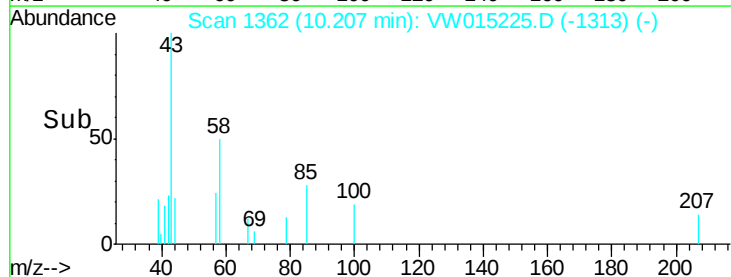
1500

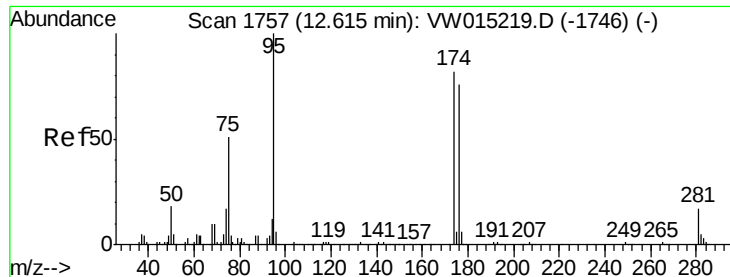
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.286 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBL01

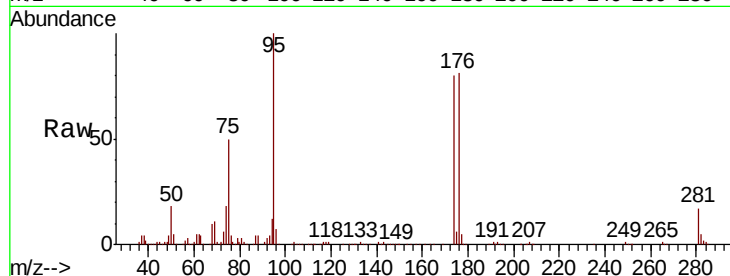
Tot Ion: 95 Resp: 124930

Ion Ratio Lower Upper

95 100

174 86.9 0.0 144.4

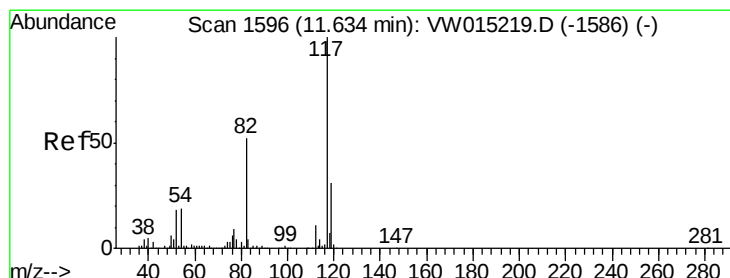
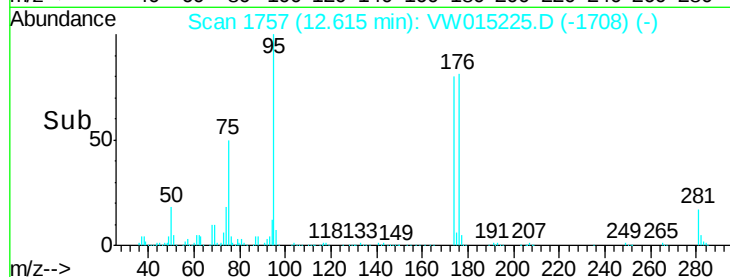
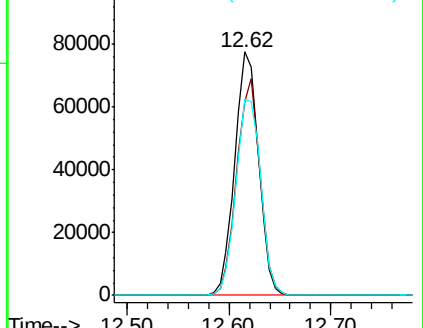
176 84.5 0.0 140.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

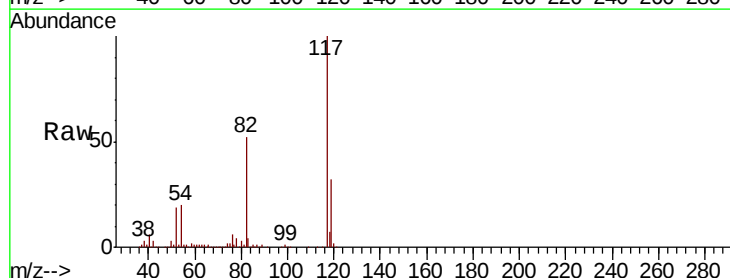
Tgt Ion: 117 Resp: 283197

Ion Ratio Lower Upper

117 100

82 51.9 44.1 66.1

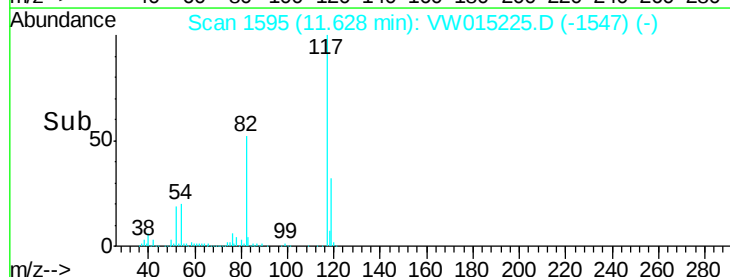
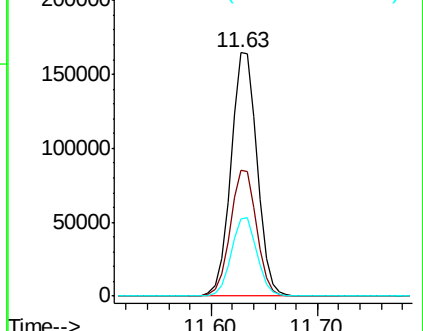
119 31.9 24.9 37.3

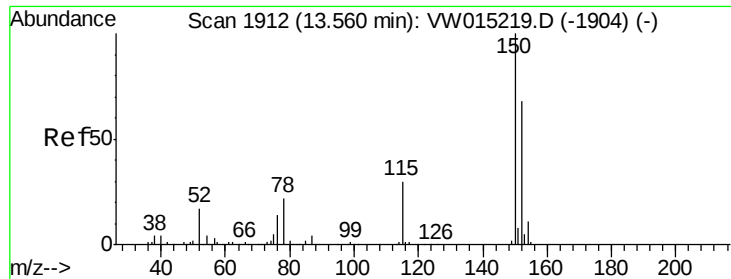


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



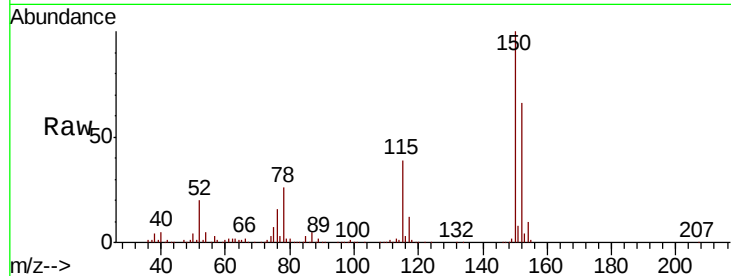


#72

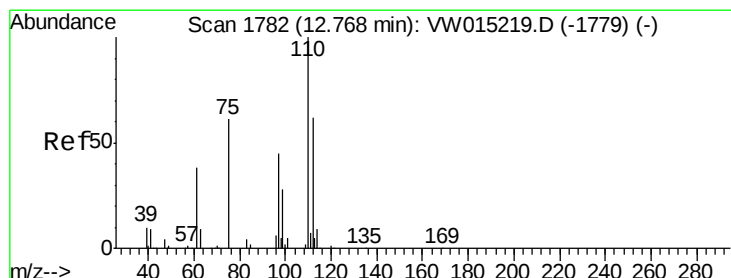
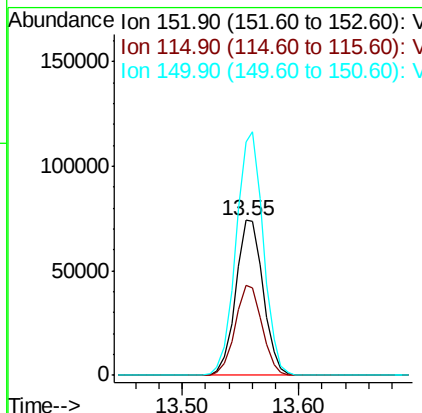
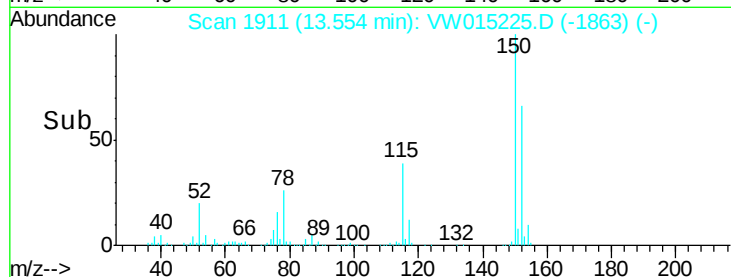
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015225.D
Acq: 20 Apr 2020 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBL01

Tot Ion:152 Resp: 121379
Ion Ratio Lower Upper
152 100
115 57.3 31.3 93.9
150 156.3 0.0 343.4



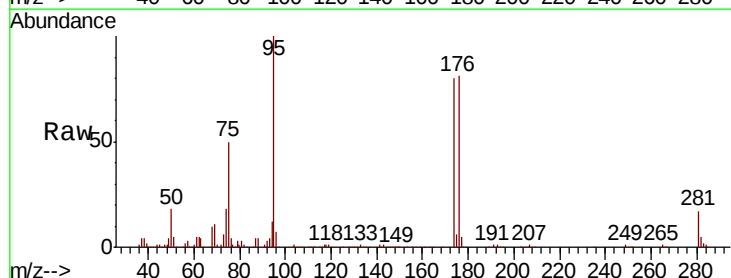
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



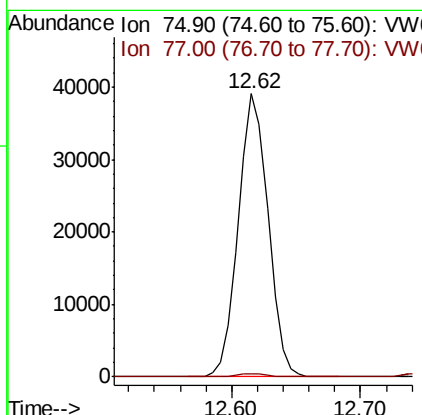
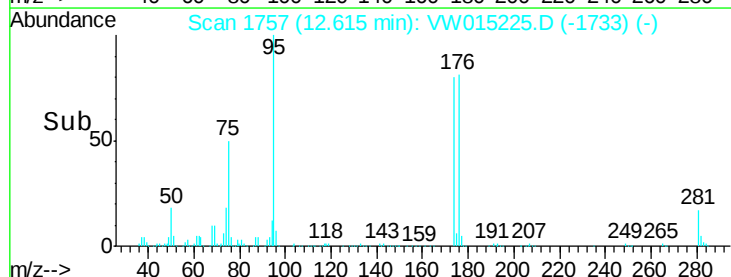
#76

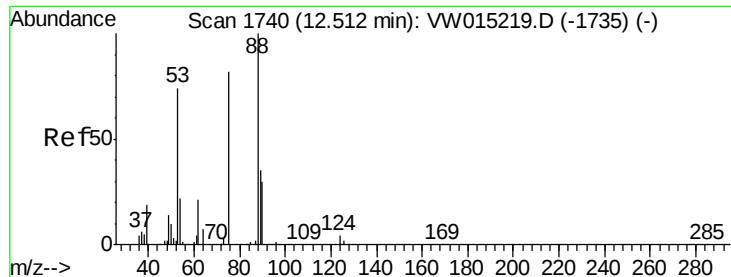
1,2,3-Trichloropropane
Concen: 66.652 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW015225.D
Acq: 20 Apr 2020 16:22

Tgt Ion: 75 Resp: 62586
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 145.702 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015225.D

Acq: 20 Apr 2020 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBL01

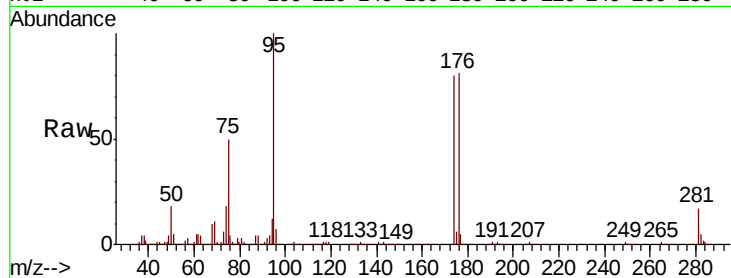
Tot Ion: 75 Resp: 62586

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



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

