

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015290.D
 Acq On : 22 Apr 2020 03:59
 Operator : SY/VA
 Sample : L2342-01
 Misc : 6.11G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:08:23 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	195068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	265843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	79336	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	77002	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.32	98	317270	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.62	95	108655	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds

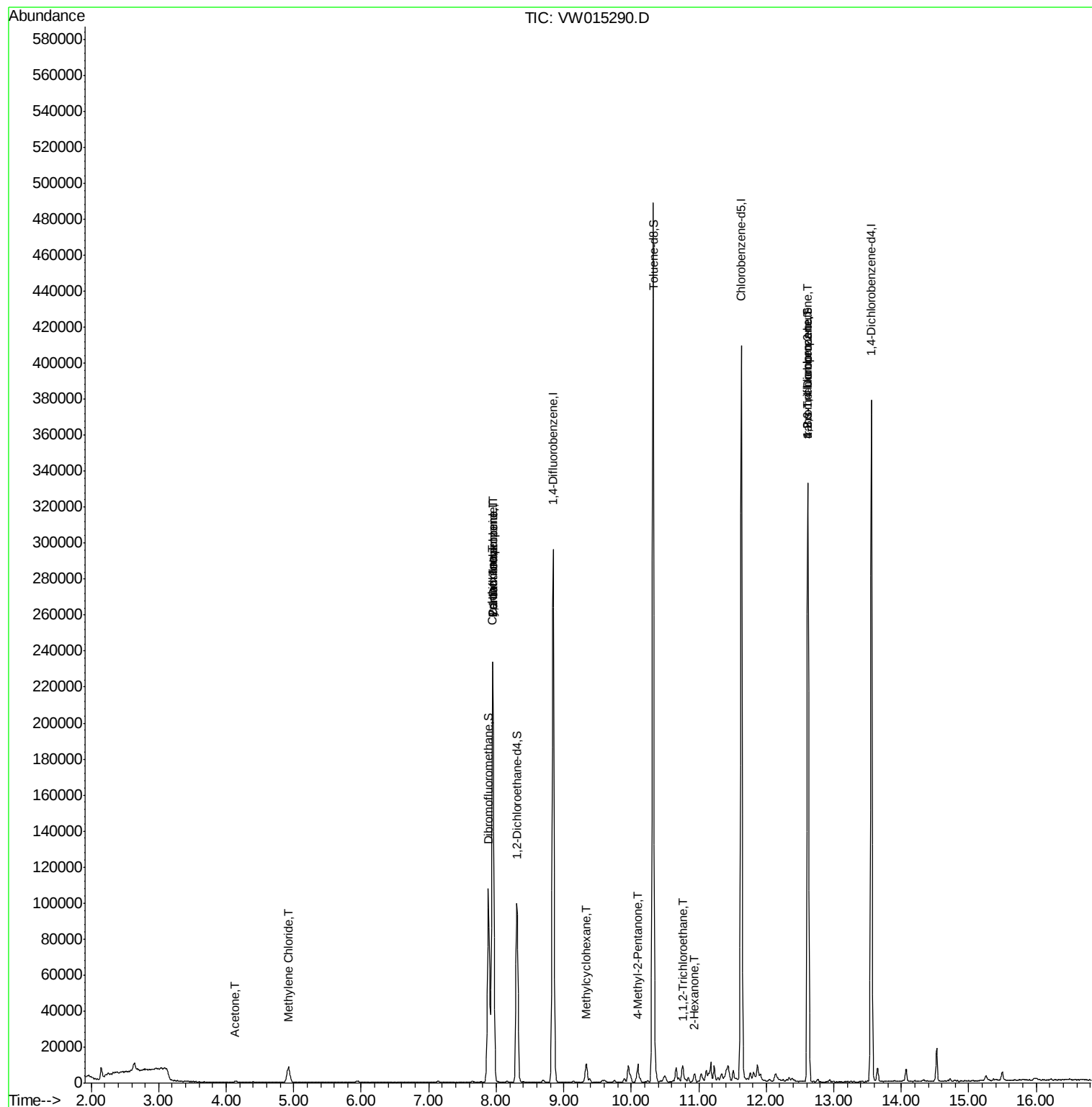
					Qvalue	
16) Acetone	4.13	43	488	1.752	ug/l	90
20) Methylene Chloride	4.92	84	7149	3.915	ug/l	90
31) Cyclohexane	7.94	56	3739	1.268	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	12176	5.075	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17352	6.618	ug/l #	18
39) Methylcyclohexane	9.34	83	4173	1.307	ug/l	94
51) 4-Methyl-2-Pentanone	10.10	43	3667	4.783	ug/l #	35
55) 1,1,2-Trichloroethane	10.76	97	4002	3.315	ug/l #	21
59) 2-Hexanone	10.93	43	1768	3.231	ug/l #	23
76) 1,2,3-Trichloropropane	12.62	75	53594	63.911	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53594	139.709	ug/l #	15

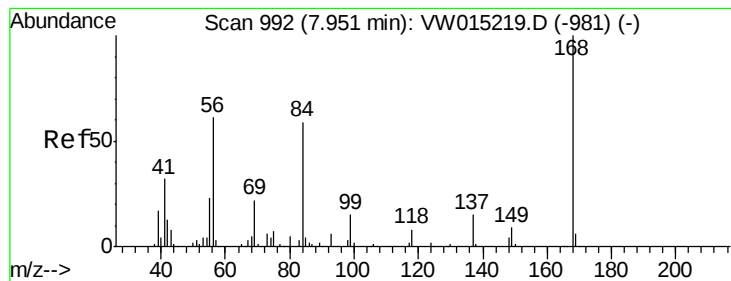
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042120\
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Quant Time: Apr 22 06:08:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

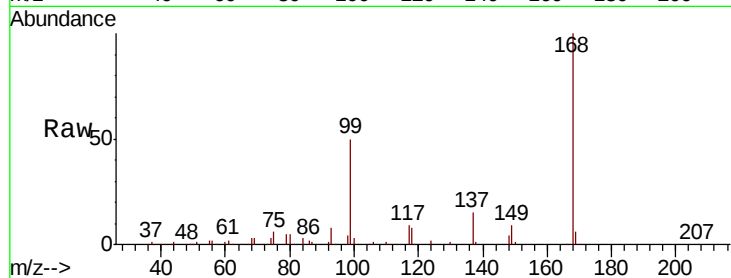
ClientSampled :

Tot Ion:168 Resp: 195068

Ion Ratio Lower Upper

168 100

99 50.4 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

80000

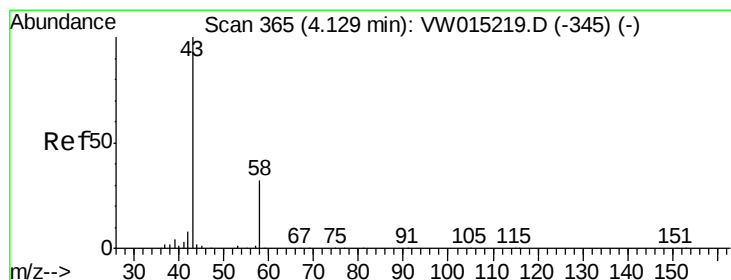
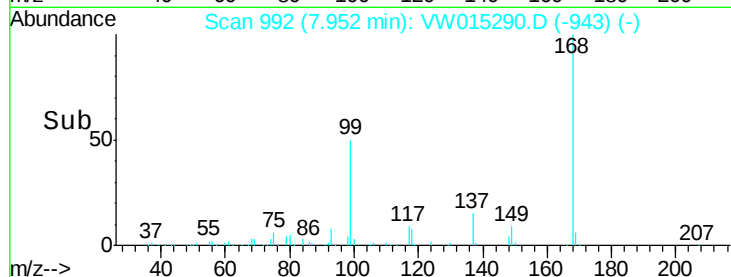
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 1.752 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015290.D

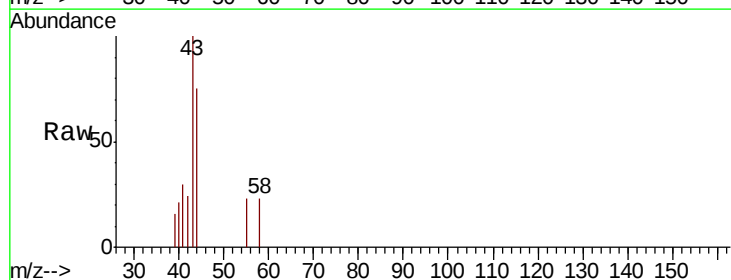
Acq: 22 Apr 2020 03:59

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

58 28.0 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

400

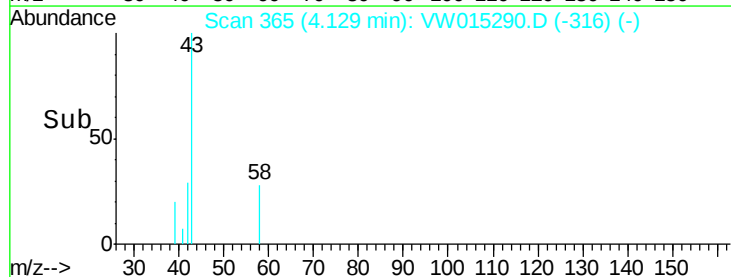
300

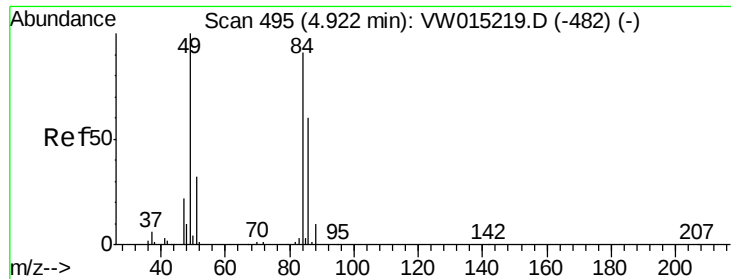
200

100

0

Time--> 4.05 4.10 4.15

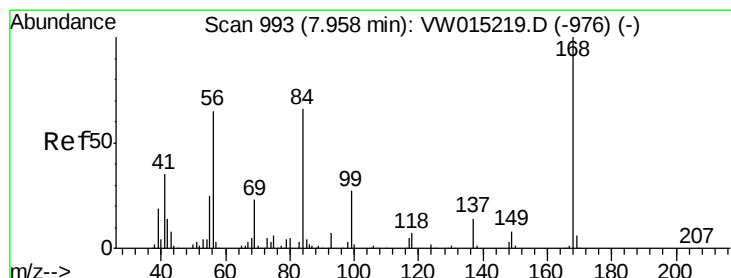
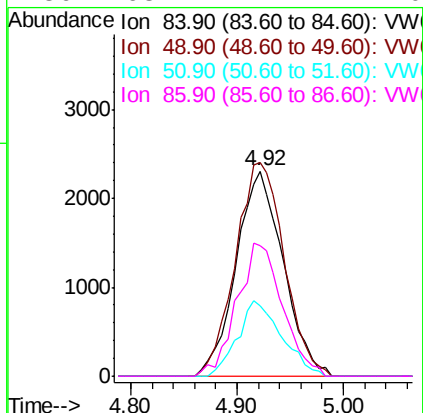
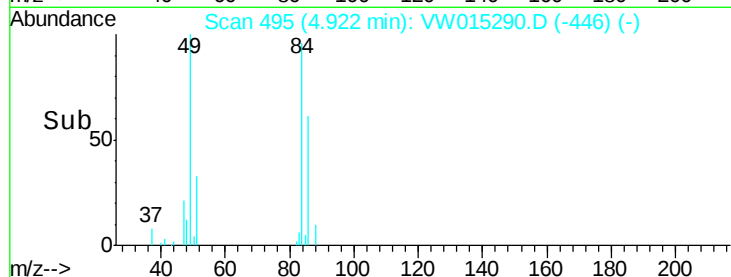
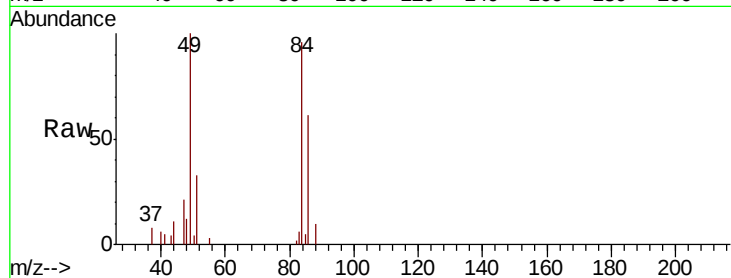




#20
Methvlene Chloride
Concen: 3.915 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015290.D
Acq: 22 Apr 2020 03:59

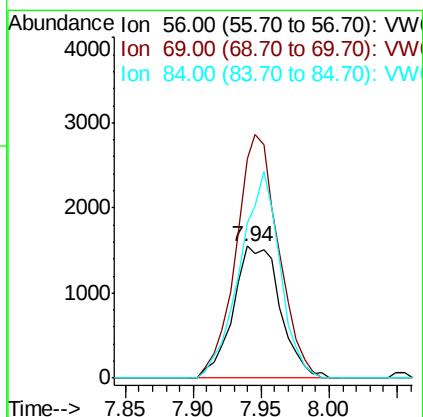
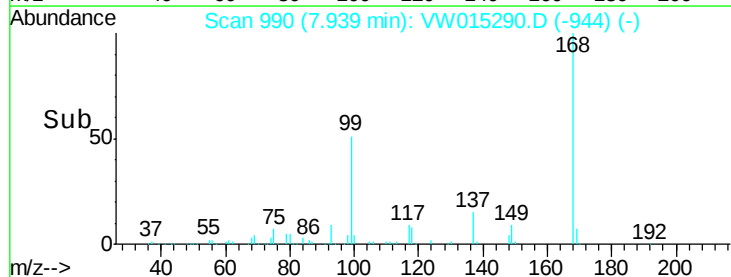
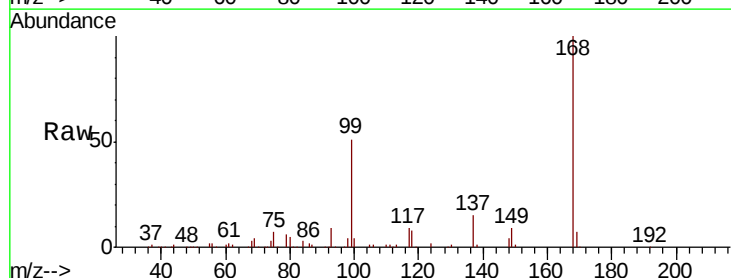
Instrument :
MSVOA_W
ClientSampleId :

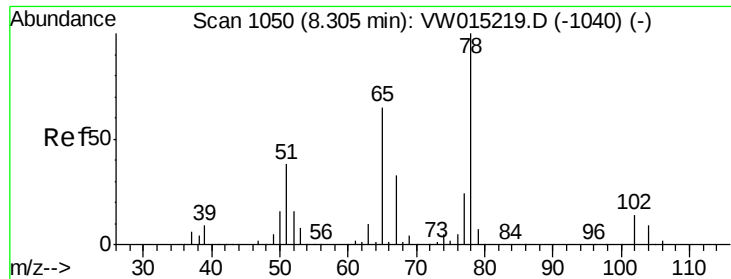
Tot Ion:	84	Resp:	7149
Ion	Ratio	Lower	Upper
84	100		
49	104.1	95.4	143.0
51	34.1	29.8	44.8
86	63.7	47.4	71.0



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW015290.D
Acq: 22 Apr 2020 03:59

Tgt Ion:	56	Resp:	3739
Ion	Ratio	Lower	Upper
56	100		
69	165.9	27.1	40.7#
84	118.1	71.9	107.9#

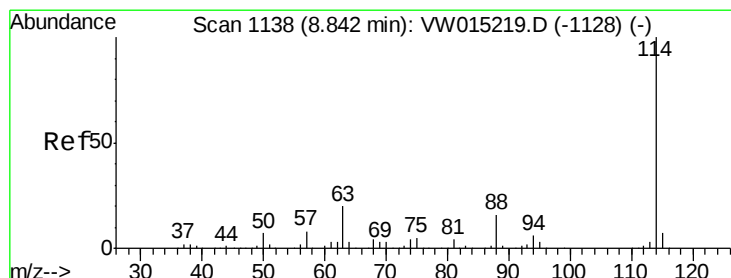
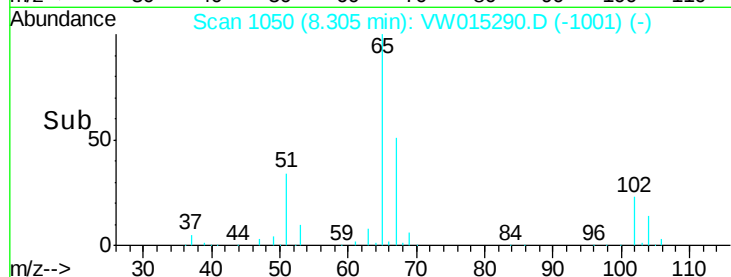
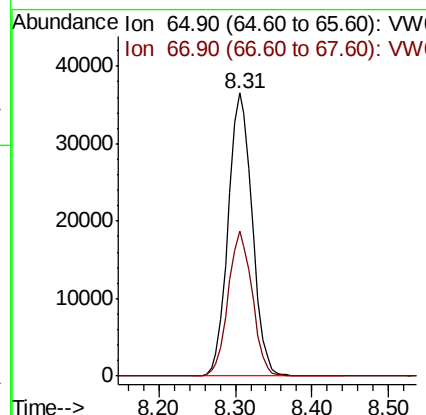
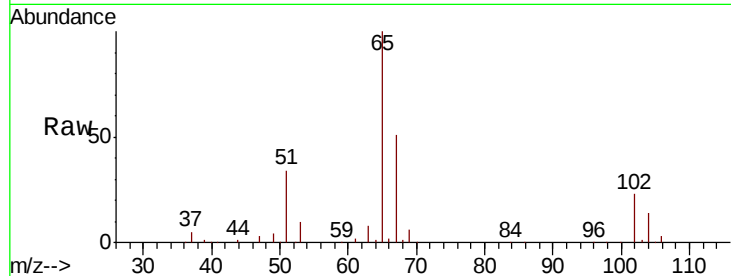




#33
 1,2-Dichloroethane-d4
 Concen: 49.735 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015290.D
 Acq: 22 Apr 2020 03:59

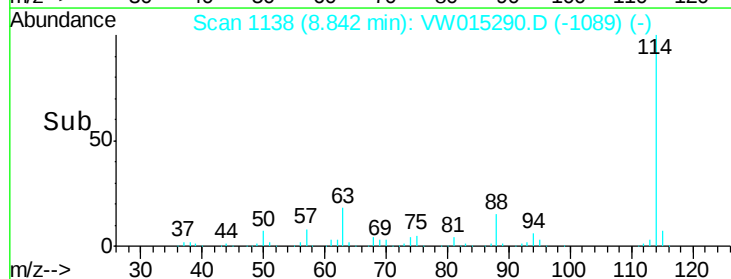
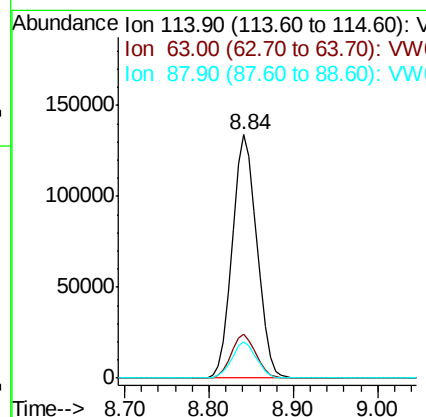
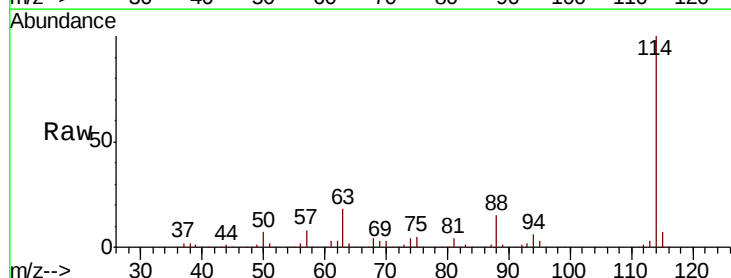
Instrument :
 MSVOA_W
 ClientSampleId :

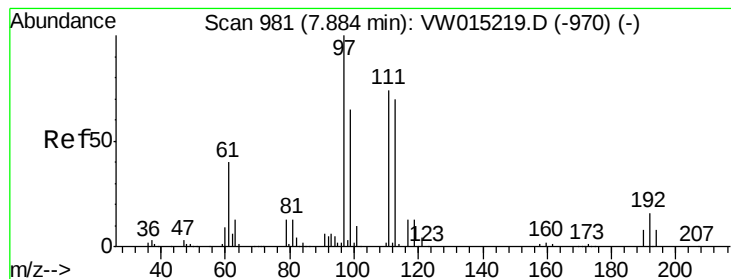
Tot Ion: 65 Resp: 79336
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015290.D
 Acq: 22 Apr 2020 03:59

Tgt Ion: 114 Resp: 265843
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.292 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

ClientSampleId :

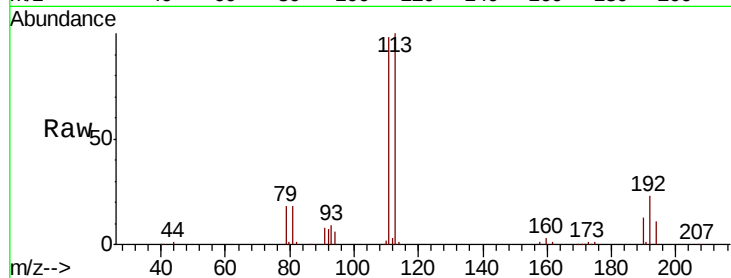
Tot Ion:113 Resp: 77002

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

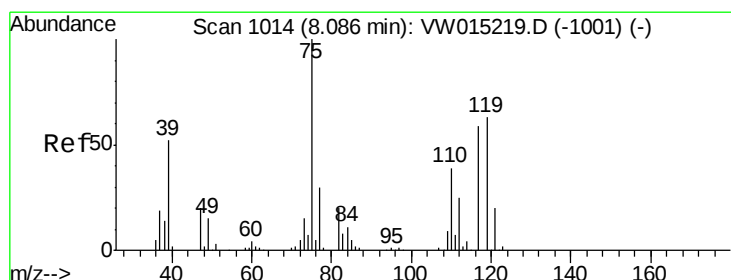
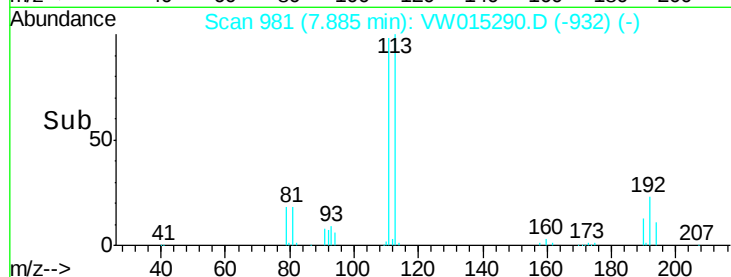
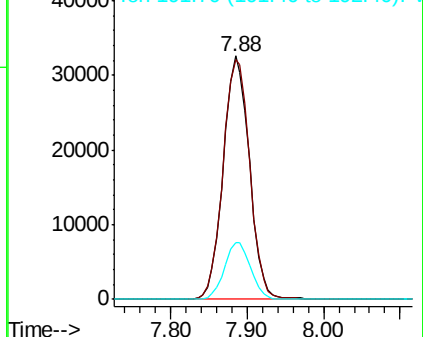
192 23.3 15.1 22.7#



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: 5.075 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

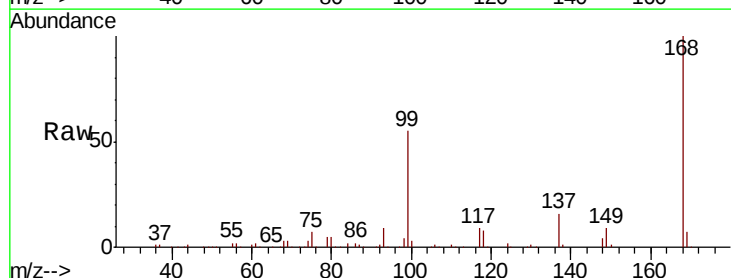
Tgt Ion: 75 Resp: 12176

Ion Ratio Lower Upper

75 100

110 9.7 18.2 54.6#

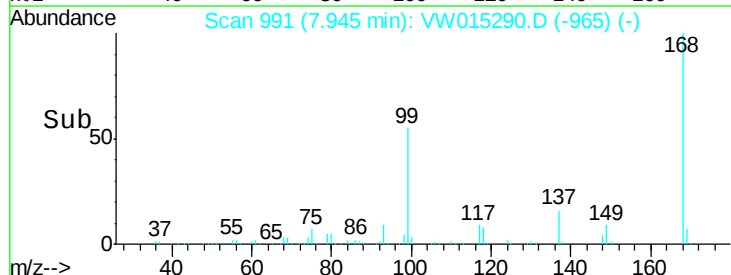
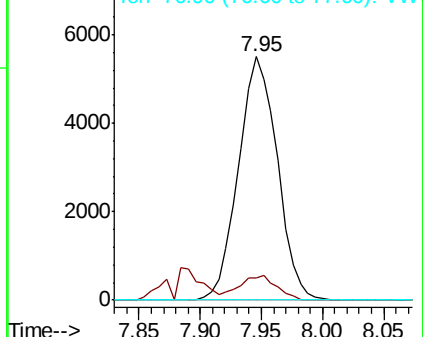
77 0.0 24.5 36.7#

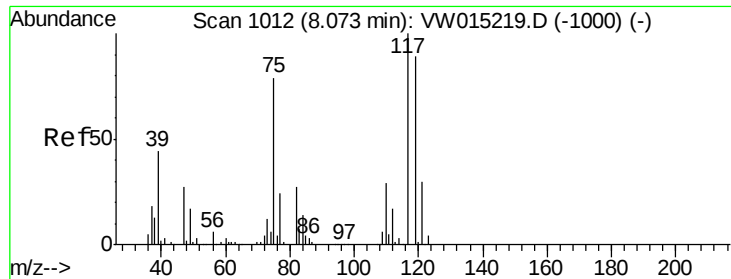


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

ClientSampled :

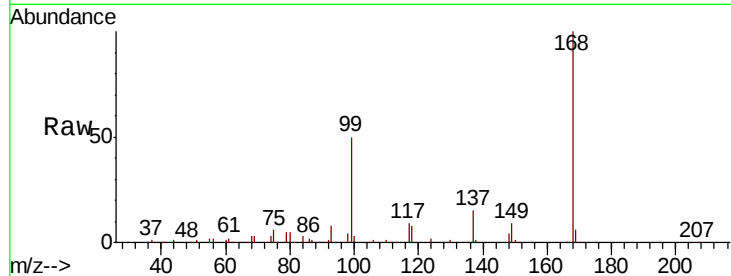
Tot Ion:117 Resp: 17352

Ion Ratio Lower Upper

117 100

119 5.0 72.3 108.5#

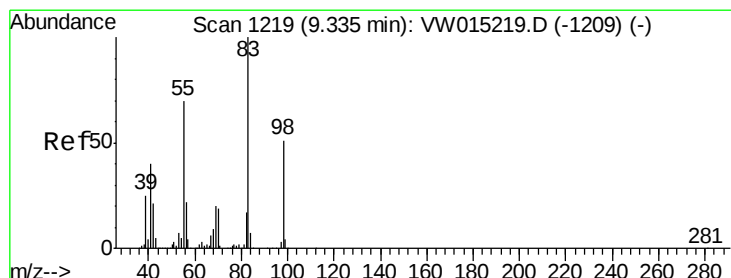
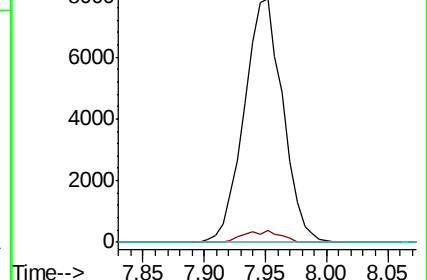
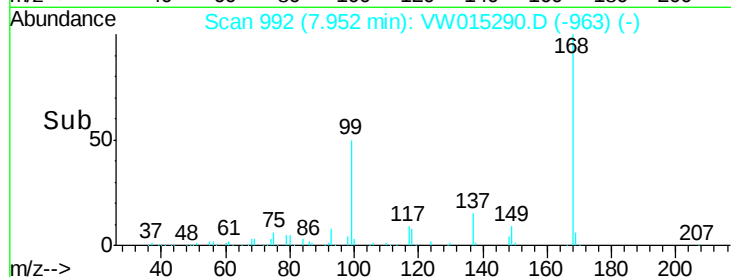
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.307 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

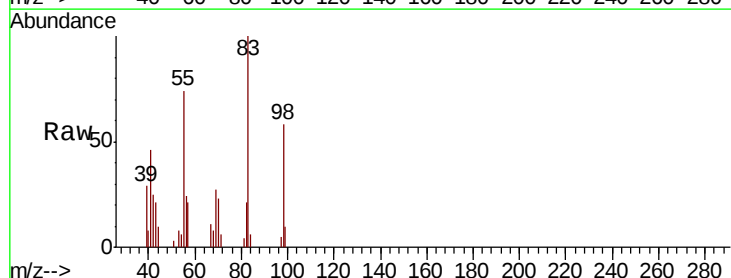
Tgt Ion: 83 Resp: 4173

Ion Ratio Lower Upper

83 100

55 69.7 58.1 87.1

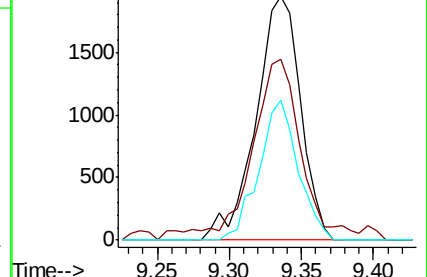
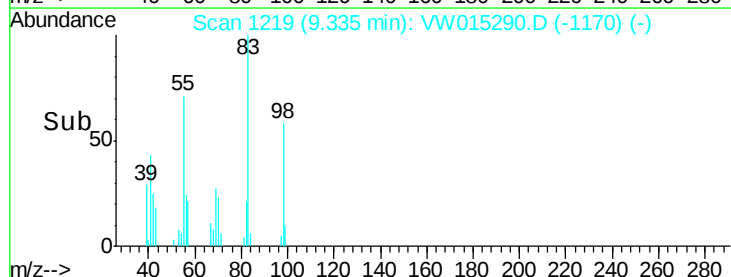
98 57.6 40.2 60.4

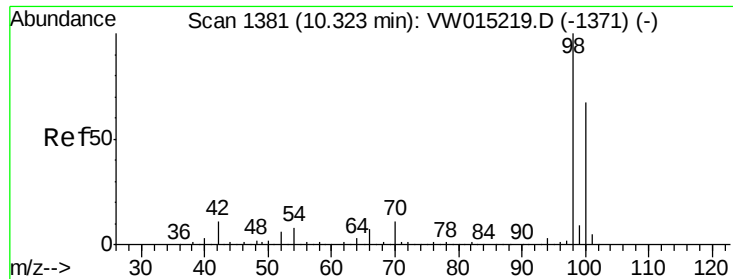


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 51.217 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

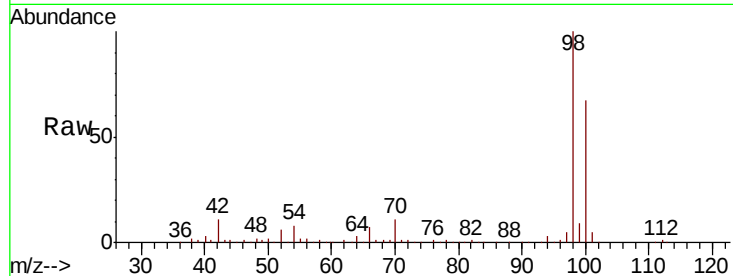
ClientSampled :

Tot Ion: 98 Resp: 317270

Ion Ratio Lower Upper

98 100

100 65.7 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

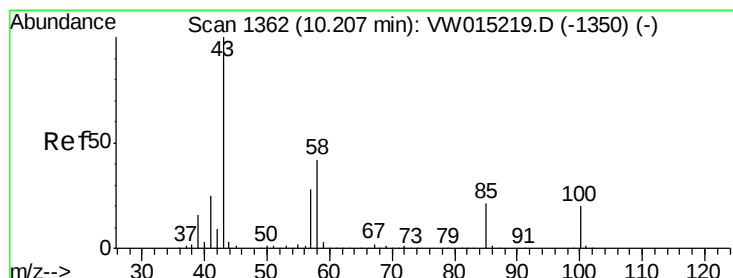
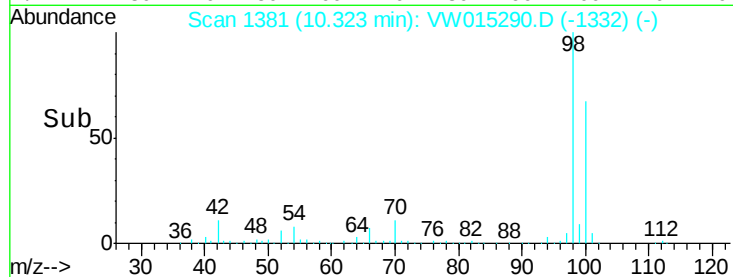
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.783 ug/l

RT: 10.10 min Scan# 1344

Delta R.T. -0.11 min

Lab File: VW015290.D

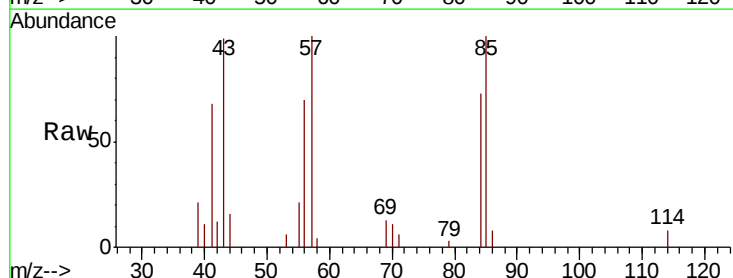
Acq: 22 Apr 2020 03:59

Tgt Ion: 43 Resp: 3667

Ion Ratio Lower Upper

43 100

58 0.0 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.10

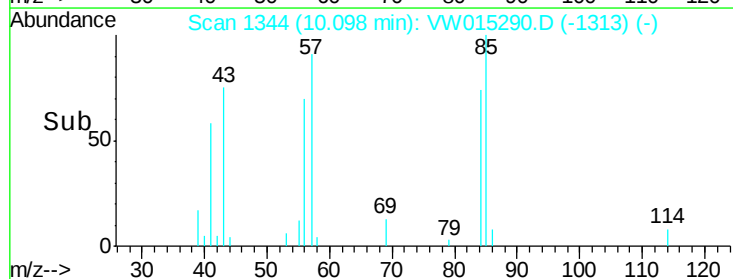
1500

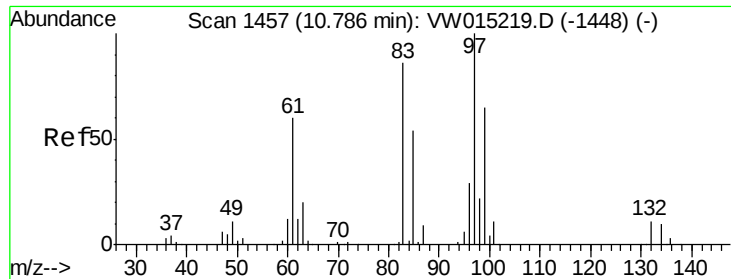
1000

500

0

Time-->

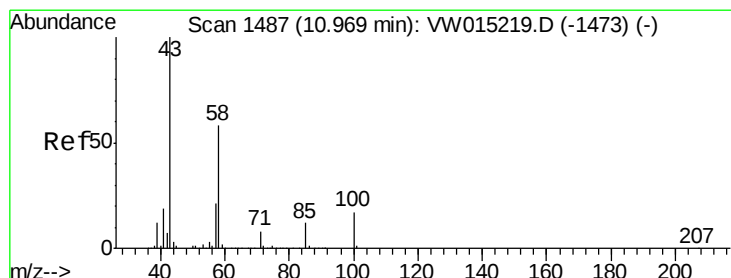
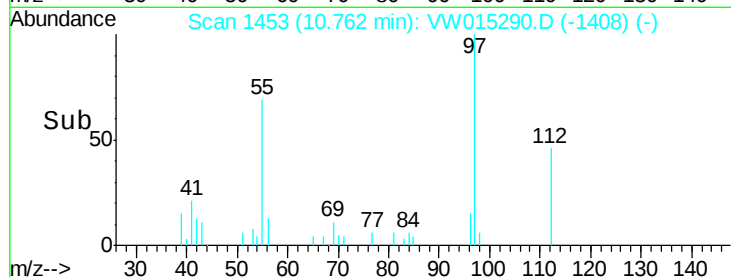
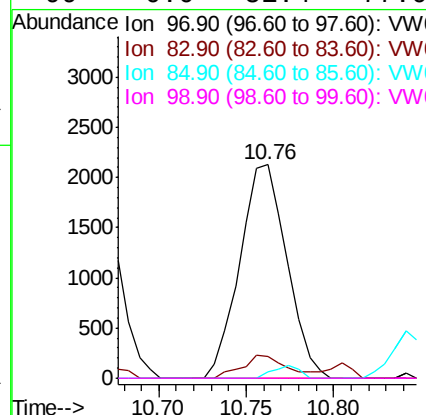
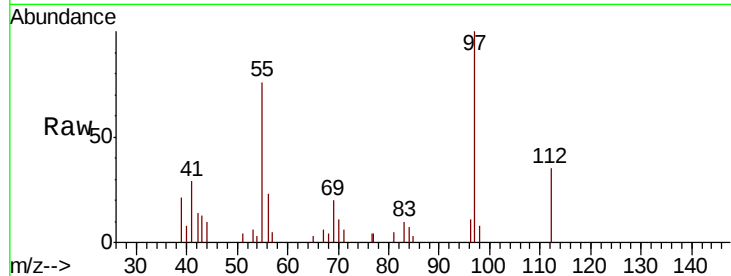




#55
 1,1,2-Trichloroethane
 Concen: 3.315 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW015290.D
 Acq: 22 Apr 2020 03:59

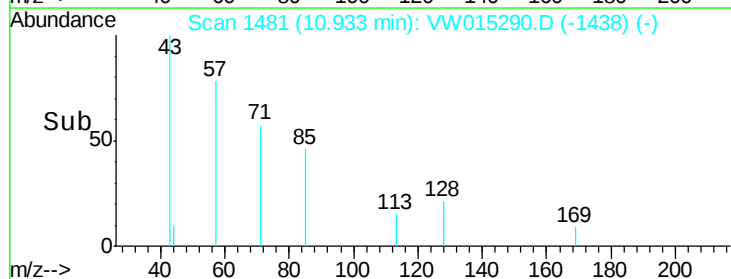
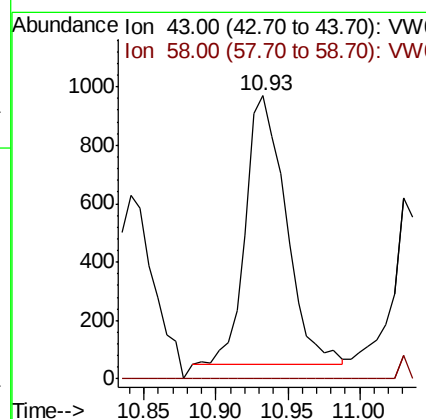
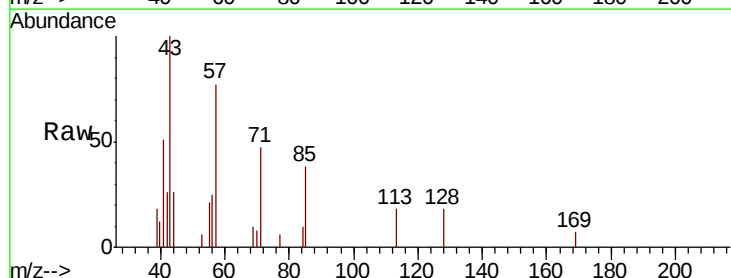
Instrument :
 MSVOA_W
 ClientSampled :

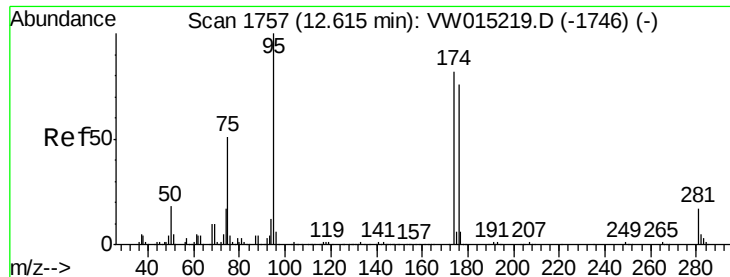
Tot Ion: 97 Resp: 4002
 Ion Ratio Lower Upper
 97 100
 83 9.9 67.3 100.9#
 85 2.8 43.8 65.8#
 99 0.0 51.4 77.0#



#59
 2-Hexanone
 Concen: 3.231 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW015290.D
 Acq: 22 Apr 2020 03:59

Tgt Ion: 43 Resp: 1768
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.1 84.3#

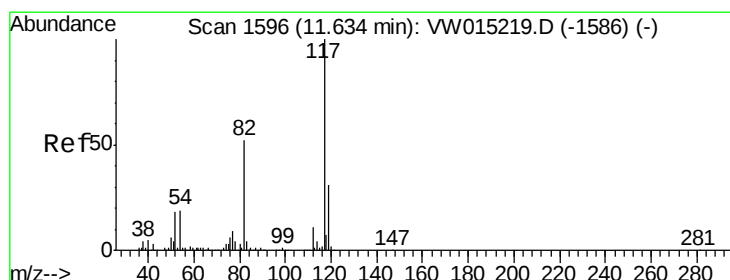
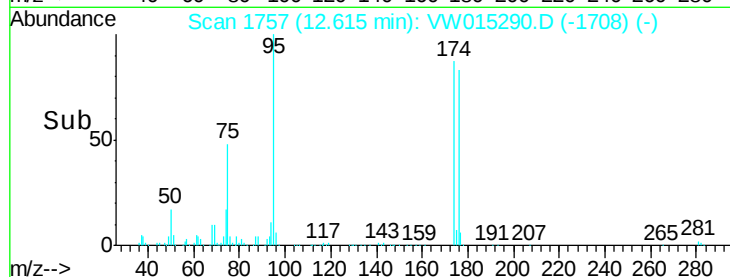
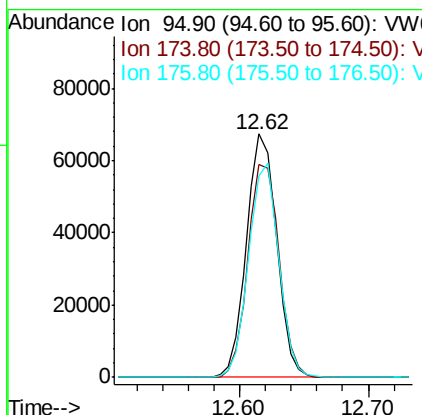
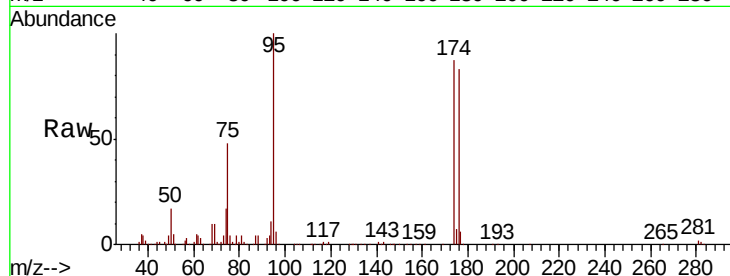




#62
4-Bromofluorobenzene
Concen: 45.972 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015290.D
Acq: 22 Apr 2020 03:59

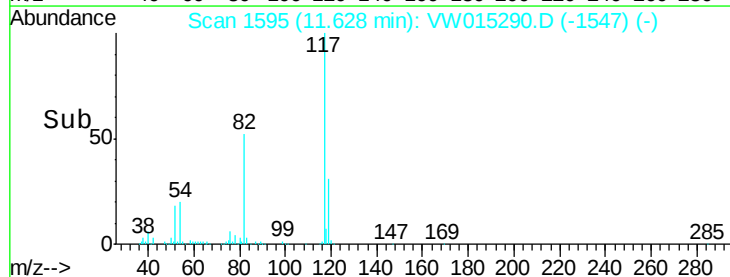
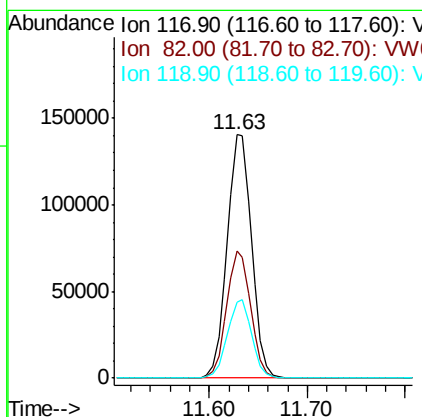
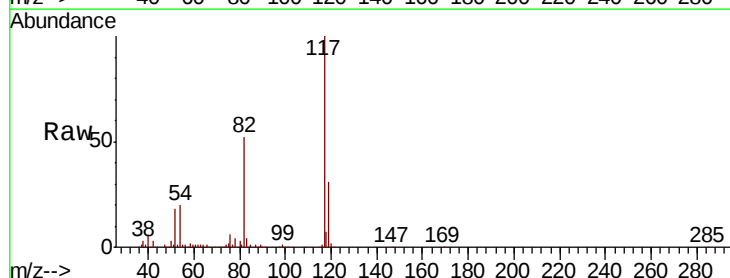
Instrument :
MSVOA_W
ClientSampleId :

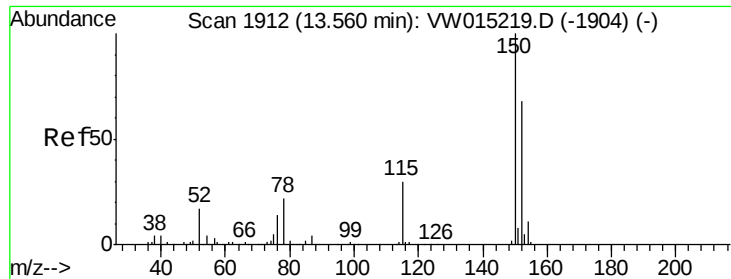
Tot Ion	95	Resp	108655
Ion Ratio	Lower	Upper	
95	100		
174	90.6	0.0	144.4
176	87.9	0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015290.D
Acq: 22 Apr 2020 03:59

Tgt Ion	117	Resp	243586
Ion Ratio	Lower	Upper	
117	100		
82	52.4	44.1	66.1
119	31.2	24.9	37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

ClientSampleId :

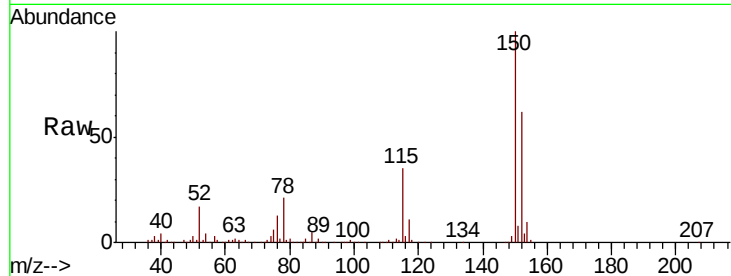
Tot Ion:152 Resp: 108398

Ion Ratio Lower Upper

152 100

115 56.4 31.3 93.9

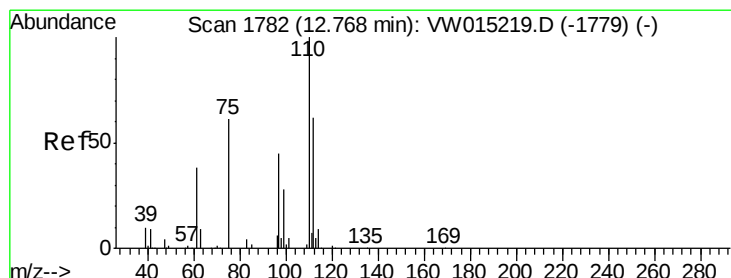
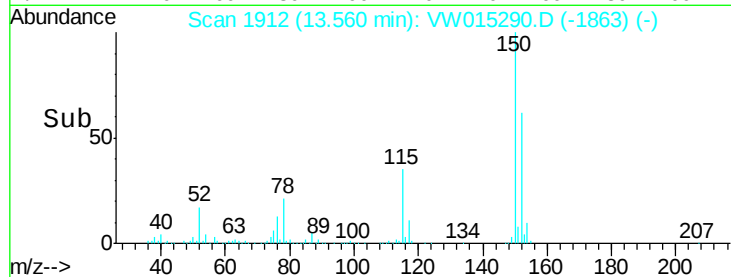
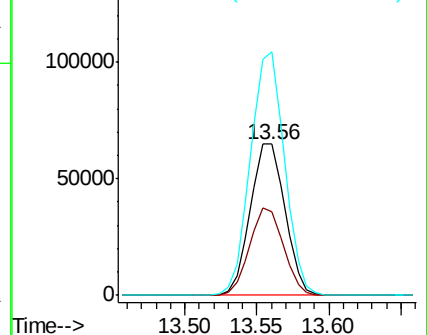
150 157.5 0.0 343.4



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: 63.911 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015290.D

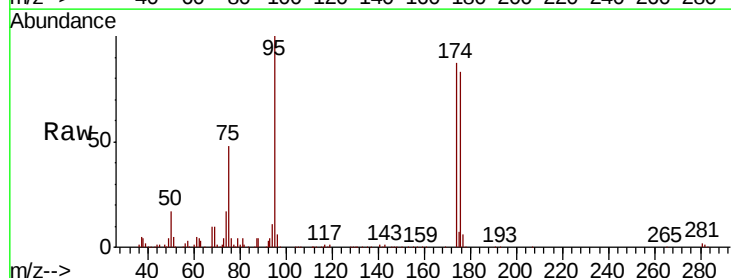
Acq: 22 Apr 2020 03:59

Tgt Ion: 75 Resp: 53594

Ion Ratio Lower Upper

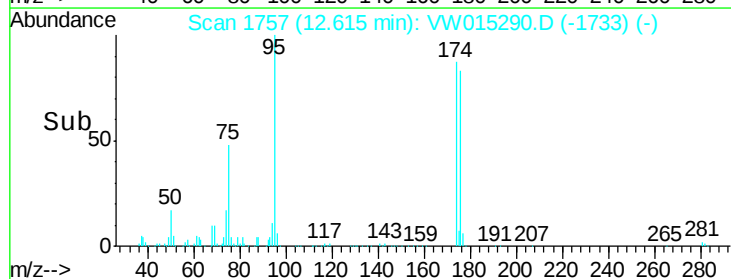
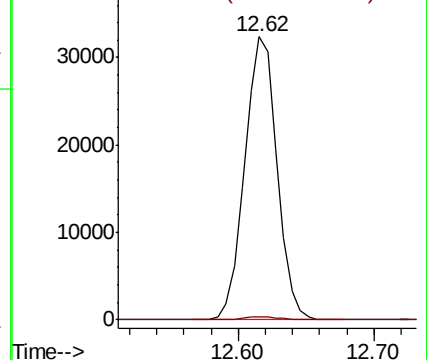
75 100

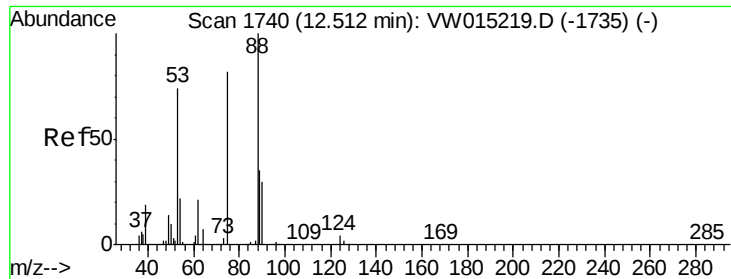
77 1.2 0.0 0.0#



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: 139.709 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015290.D

Acq: 22 Apr 2020 03:59

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 53594

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#

