

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015277.D
 Acq On : 21 Apr 2020 22:34
 Operator : SY/VA
 Sample : VW0421SBL02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 06:03:03 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	216195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	303933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117025	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	82653	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
35) Dibromofluoromethane	7.88	113	85730	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.32	98	361801	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.62	95	117094	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	

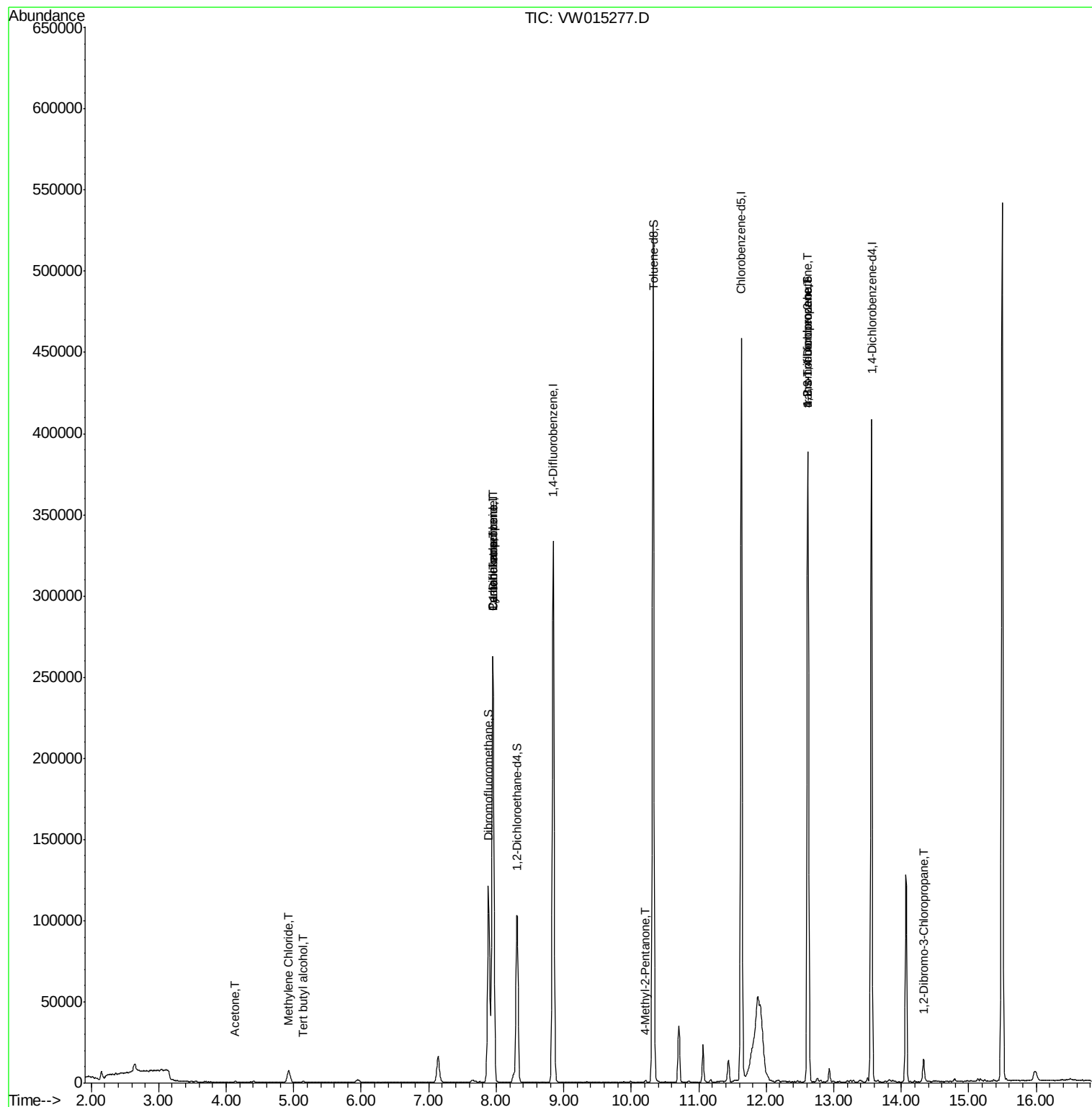
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	361	2.505	ug/l #	72
16) Acetone	4.14	43	1077	3.488	ug/l	96
20) Methylene Chloride	4.92	84	6047	2.988	ug/l	90
31) Cyclohexane	7.95	56	3881	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14126	5.149	ug/l #	50
38) Carbon Tetrachloride	7.95	117	19474	6.496	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1326	1.513	ug/l #	77
76) 1,2,3-Trichloropropane	12.62	75	59401	65.614	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59401	143.432	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.33	75	564	2.705	ug/l #	2

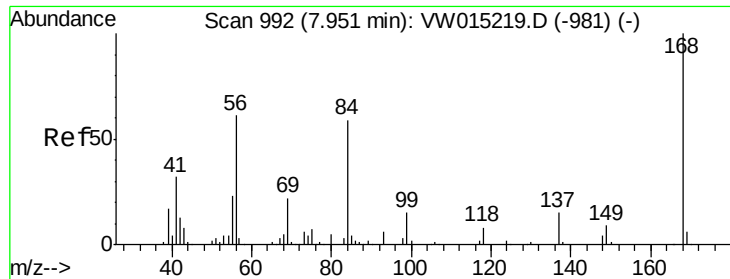
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Apr 22 06:03:03 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: VW015277.D

Acq: 21 Apr 2020 22:34

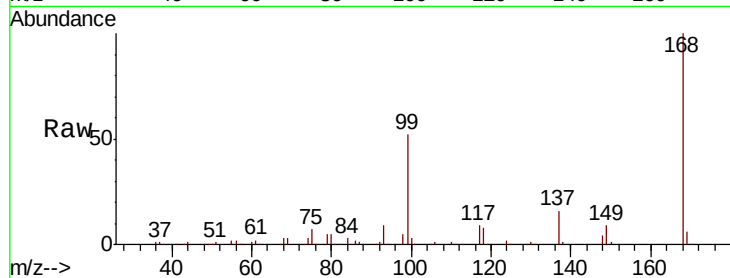
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 216195

Ion Ratio Lower Upper

168 100

99 51.6 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

100000

80000

60000

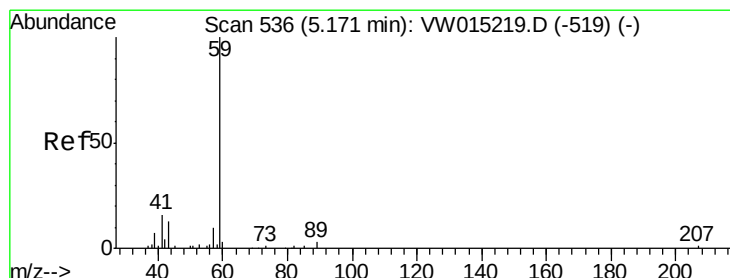
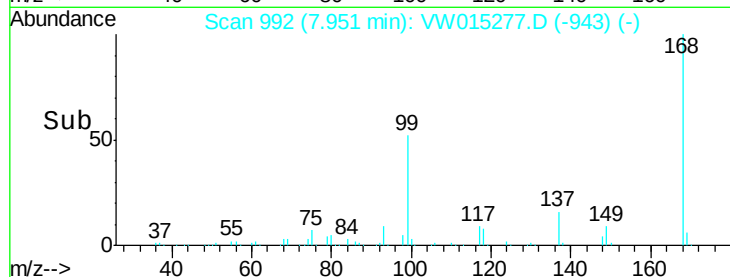
40000

20000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 2.505 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015277.D

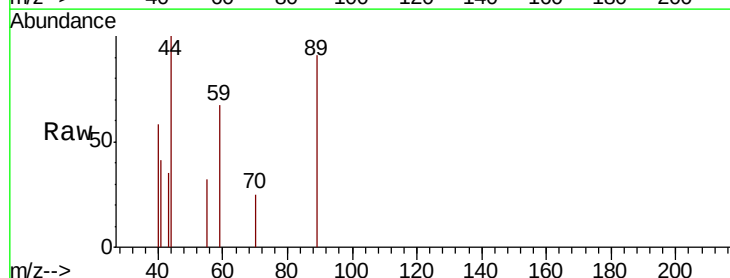
Acq: 21 Apr 2020 22:34

Tgt Ion: 59 Resp: 361

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

150

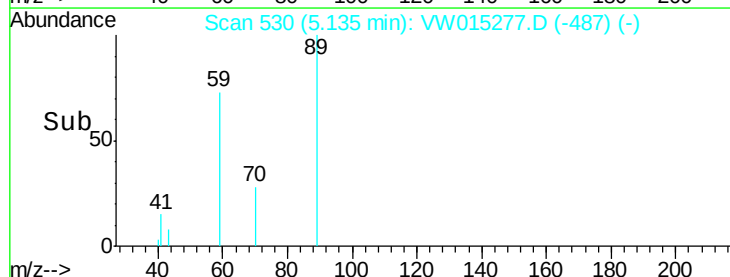
100

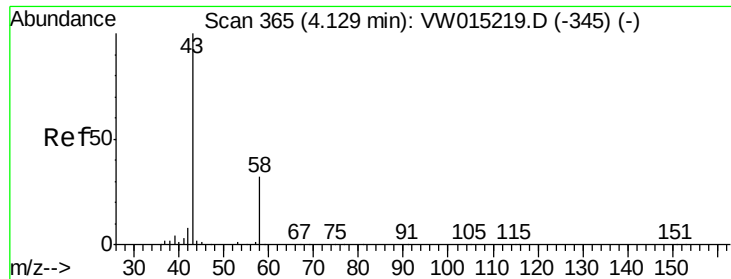
50

0

Time-->

5.10 5.15 5.20





#16

Acetone

Concen: 3.488 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

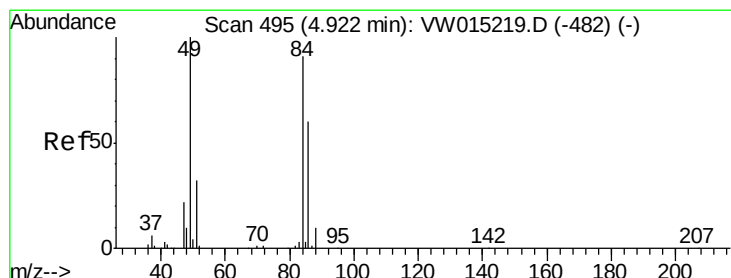
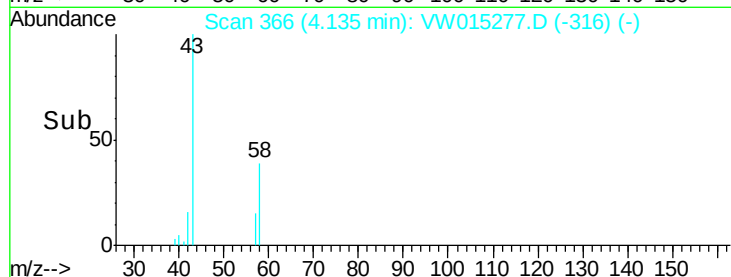
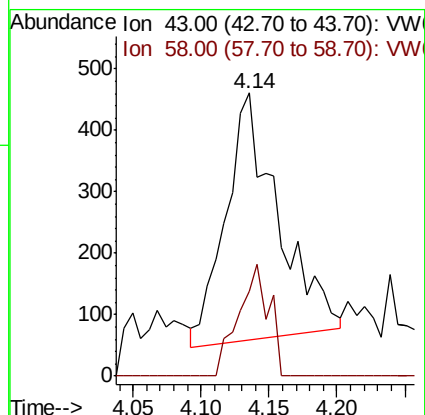
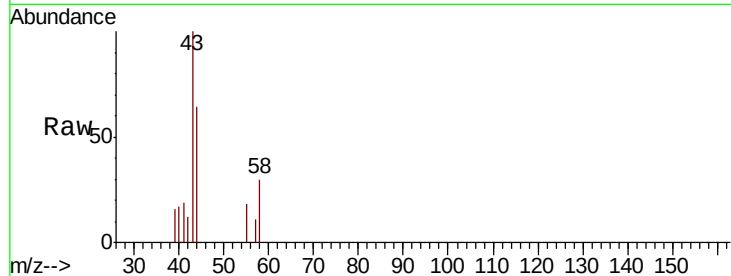
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1077

Ion Ratio Lower Upper

43 100

58 36.0 27.0 40.4



#20

Methylene Chloride

Concen: 2.988 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Tgt Ion: 84 Resp: 6047

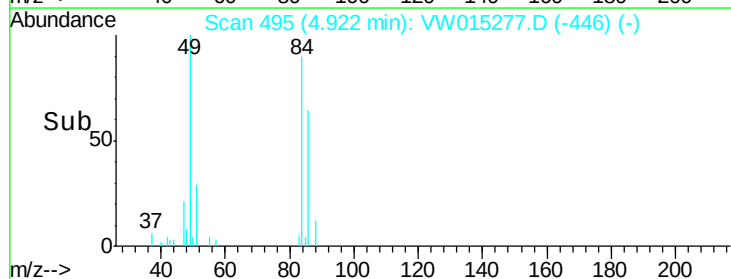
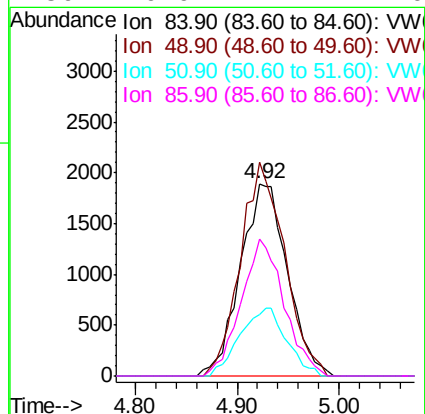
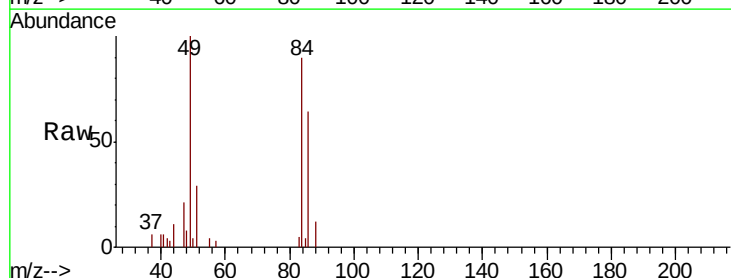
Ion Ratio Lower Upper

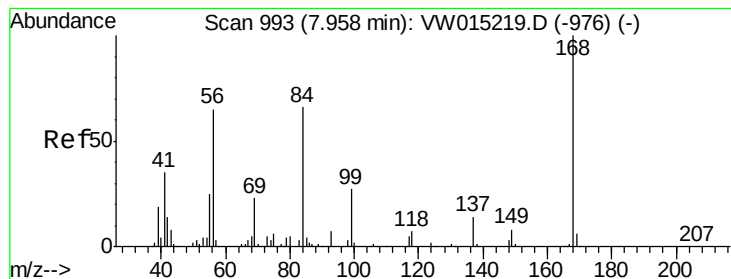
84 100

49 110.9 95.4 143.0

51 31.8 29.8 44.8

86 70.9 47.4 71.0





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Instrument :

MSVOA_W

ClientSampleId :

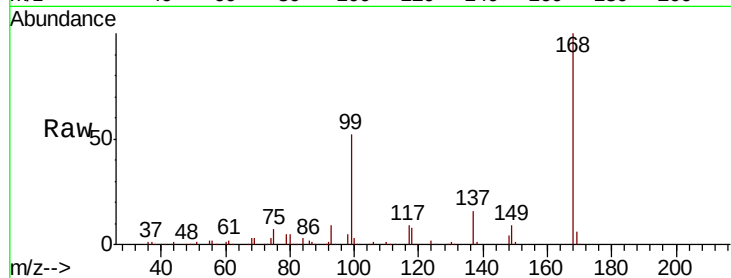
Tot Ion: 56 Resp: 3881

Ion Ratio Lower Upper

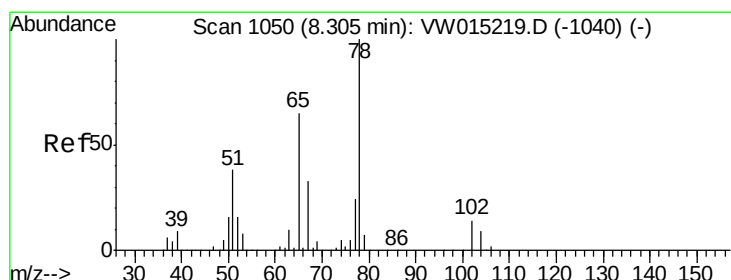
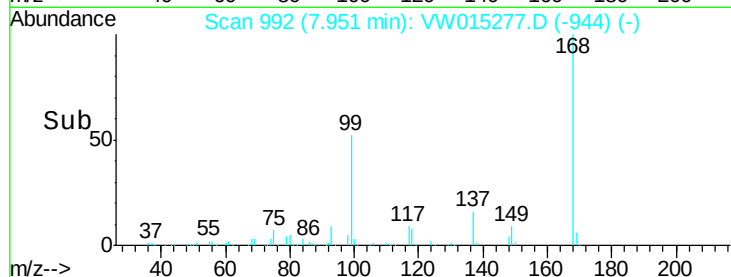
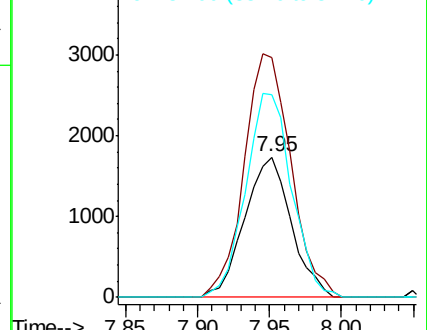
56 100

69 170.8 27.1 40.7#

84 144.3 71.9 107.9#



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: 46.751 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015277.D

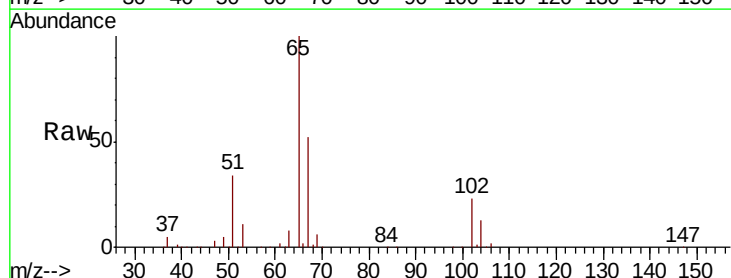
Acq: 21 Apr 2020 22:34

Tgt Ion: 65 Resp: 82653

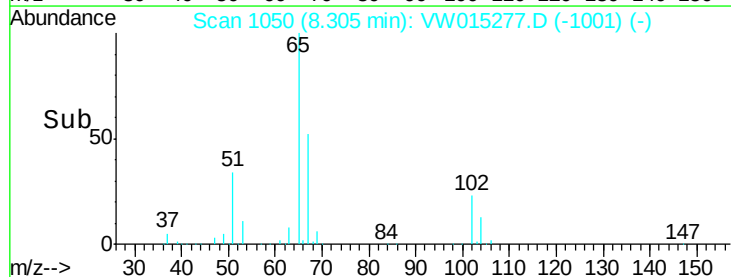
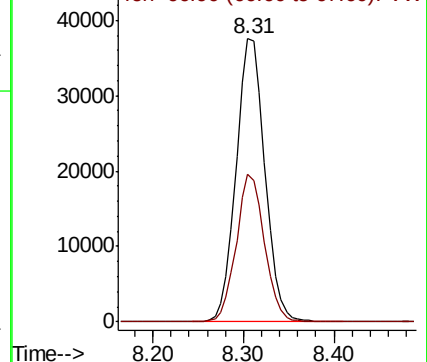
Ion Ratio Lower Upper

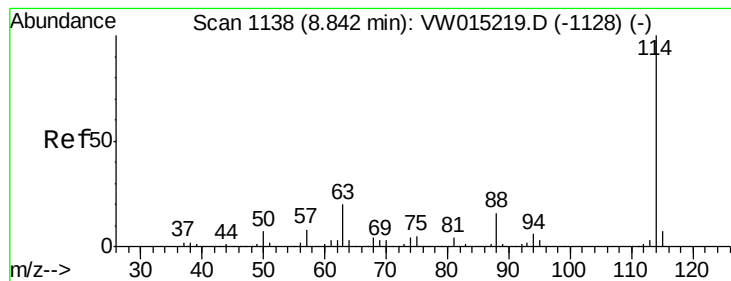
65 100

67 51.3 0.0 107.0



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. 0.01 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Instrument :

MSVOA_W

ClientSampleId :

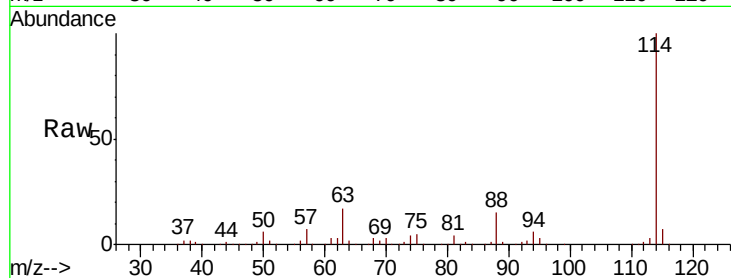
Tot Ion:114 Resp: 303933

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.8

88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

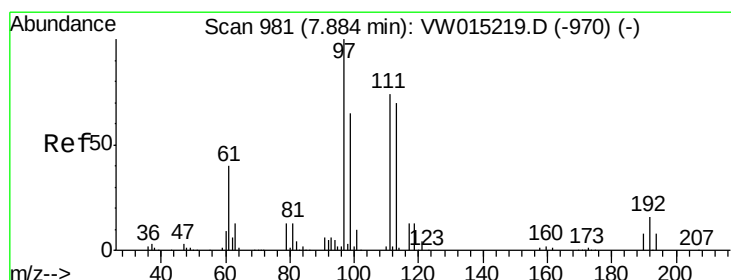
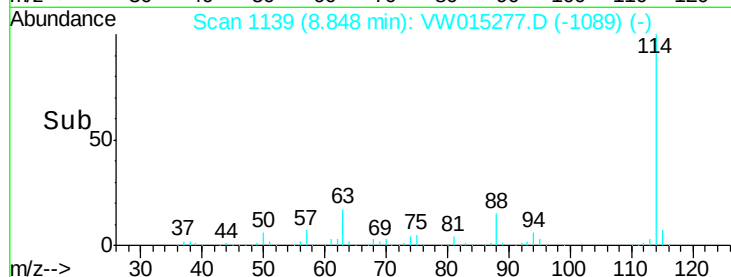
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 50.922 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

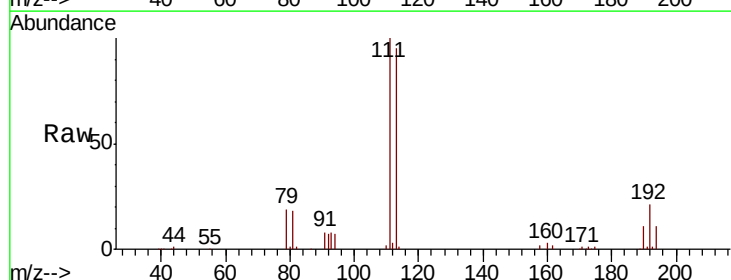
Tgt Ion:113 Resp: 85730

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 23.4 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

7.88

50000

40000

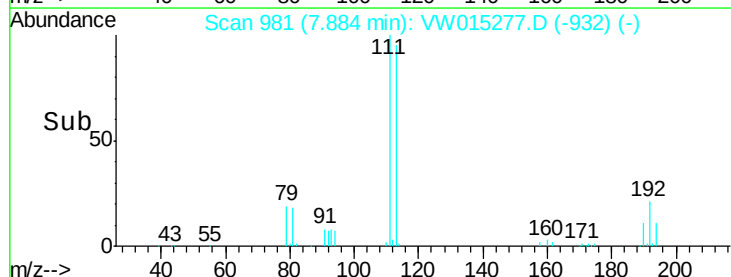
30000

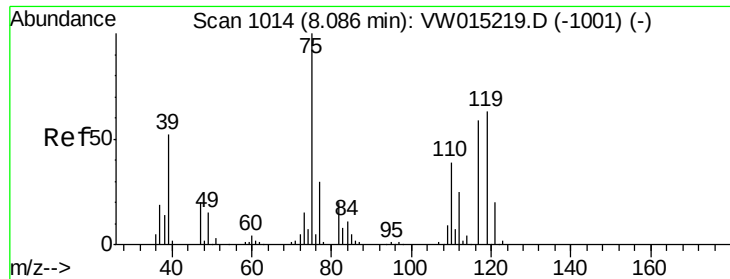
20000

10000

0

Time--> 7.80 7.90 8.00

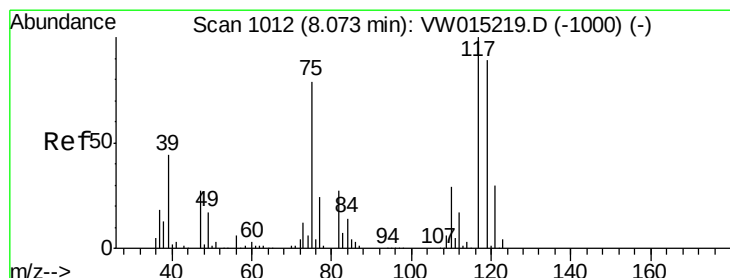
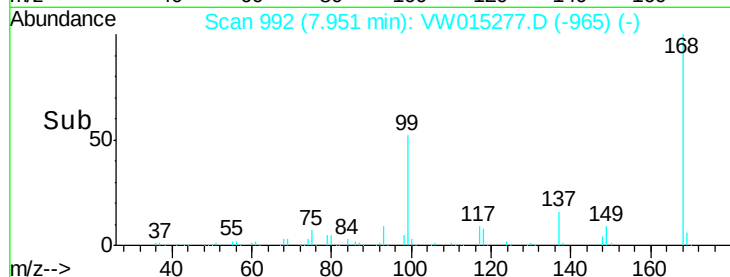
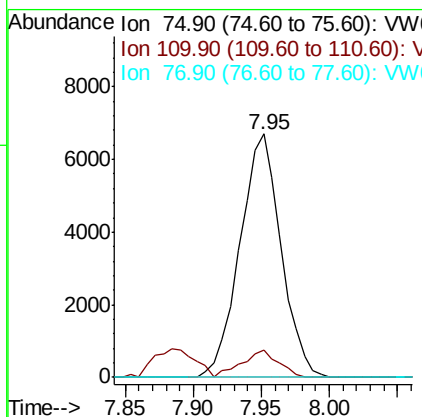
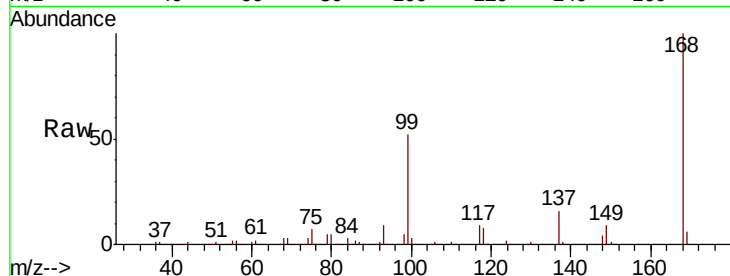




#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015277.D
 Acq: 21 Apr 2020 22:34

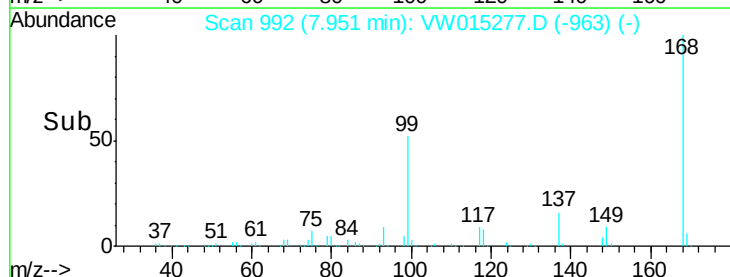
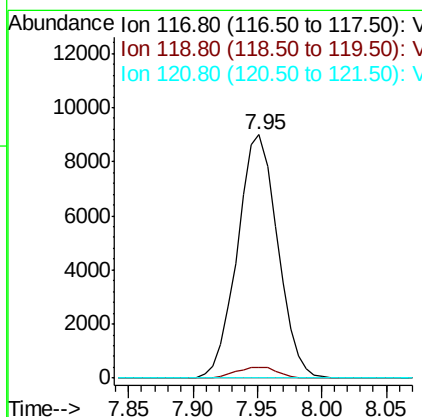
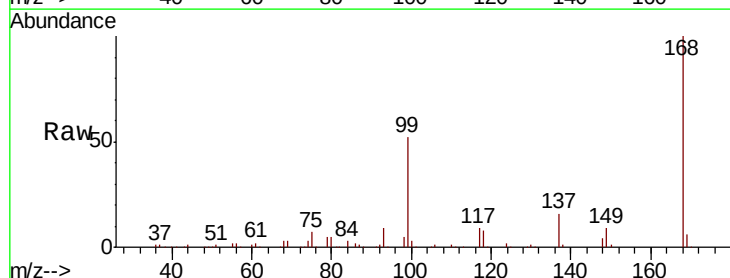
Instrument :
 MSVOA_W
 ClientSampled :

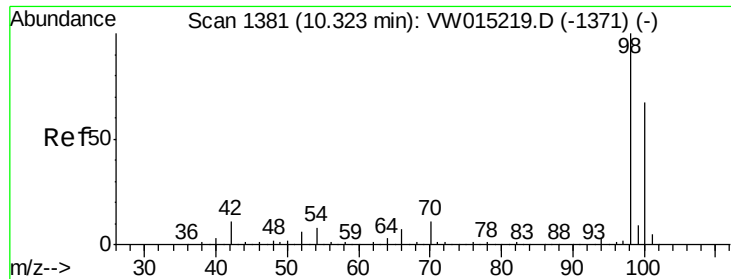
Tot Ion	75	Resp	14126
Ion Ratio	100	Lower	Upper
75	100		
110	9.9	18.2	54.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.496 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015277.D
 Acq: 21 Apr 2020 22:34

Tgt Ion	117	Resp	19474
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.4	72.3	108.5#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 51.086 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Instrument :

MSVOA_W

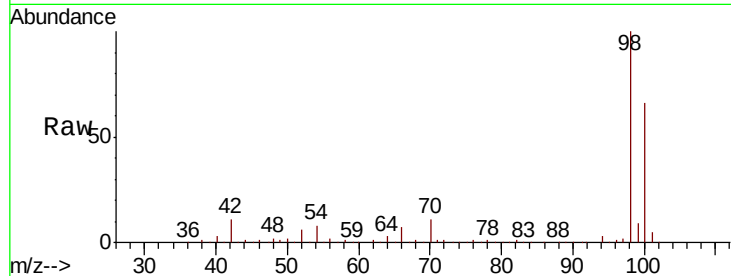
ClientSampled :

Tot Ion: 98 Resp: 361801

Ion Ratio Lower Upper

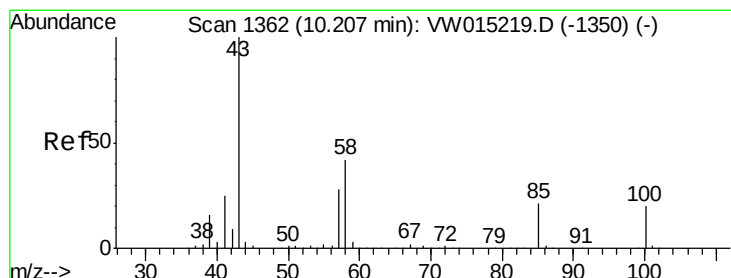
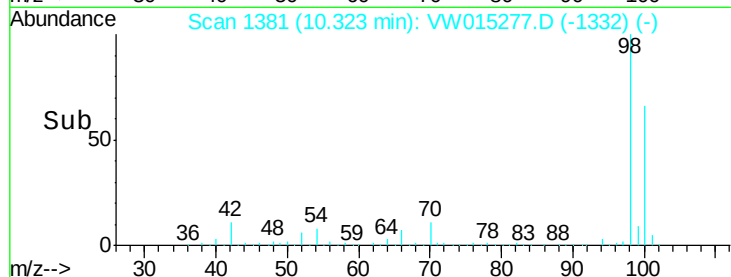
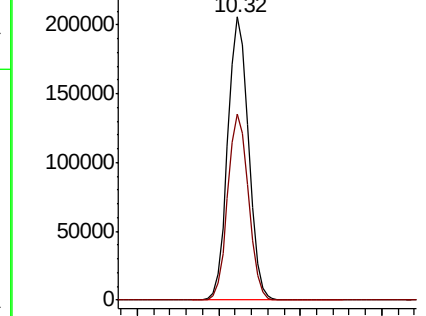
98 100

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



#51

4-Methyl-2-Pentanone

Concen: 1.513 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015277.D

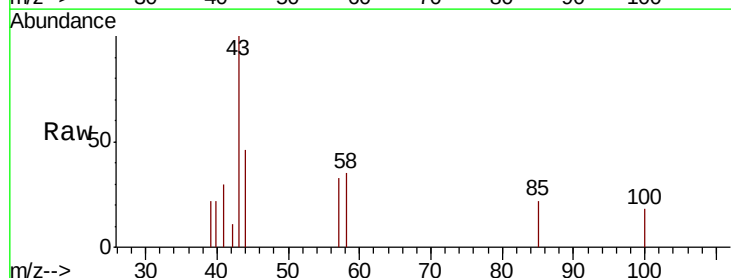
Acq: 21 Apr 2020 22:34

Tgt Ion: 43 Resp: 1326

Ion Ratio Lower Upper

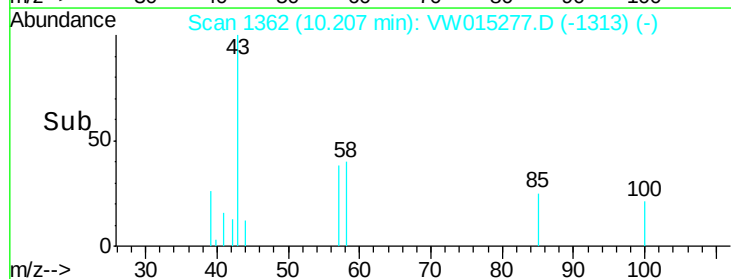
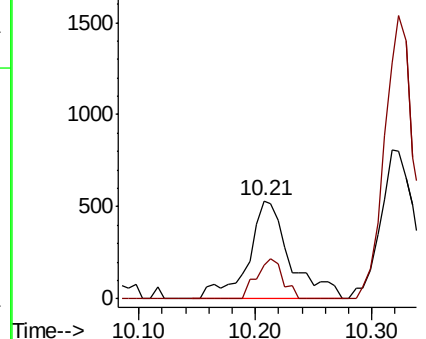
43 100

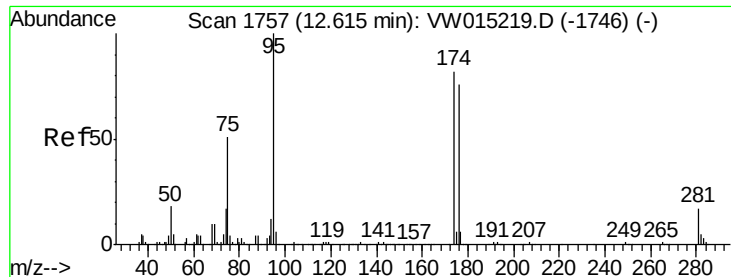
58 26.1 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

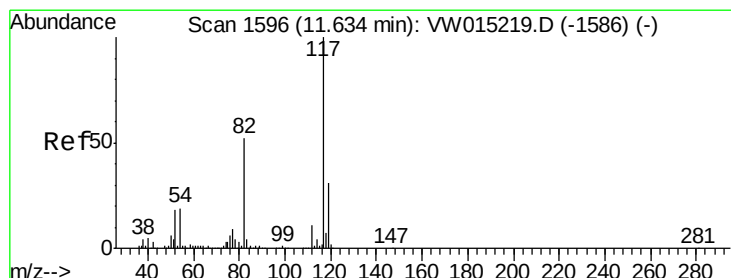
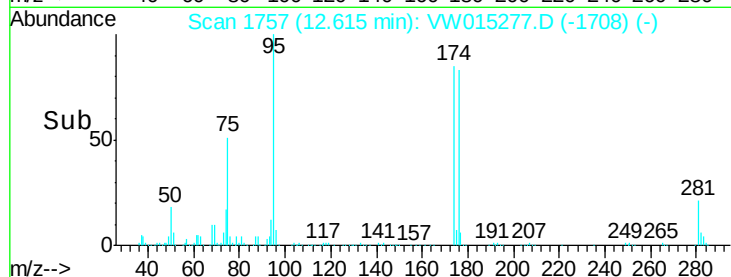
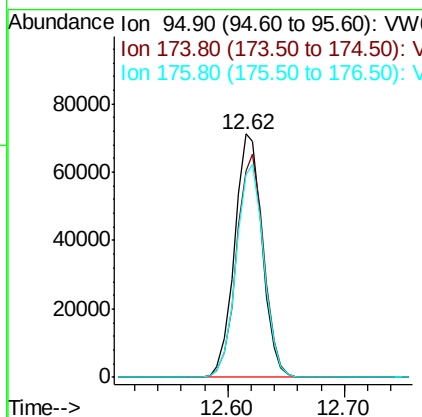
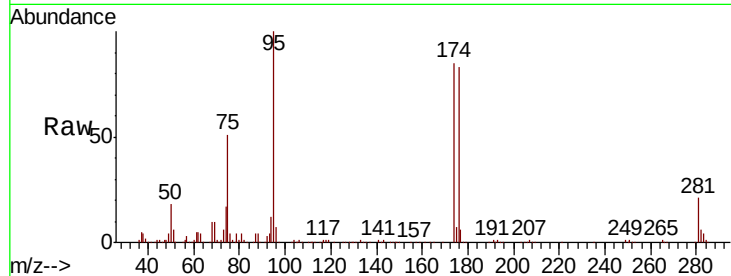




#62
4-Bromofluorobenzene
Concen: 43.333 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015277.D
Acq: 21 Apr 2020 22:34

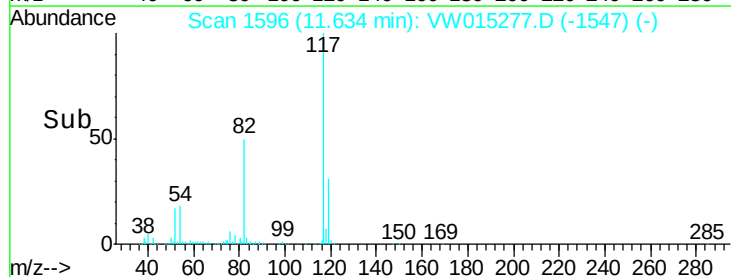
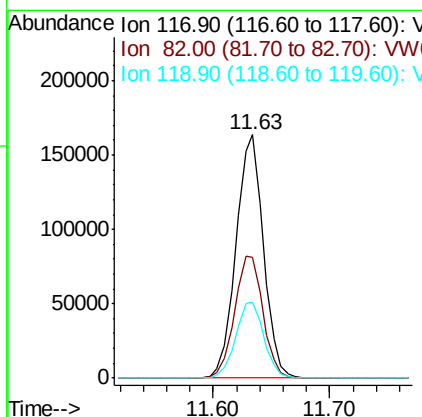
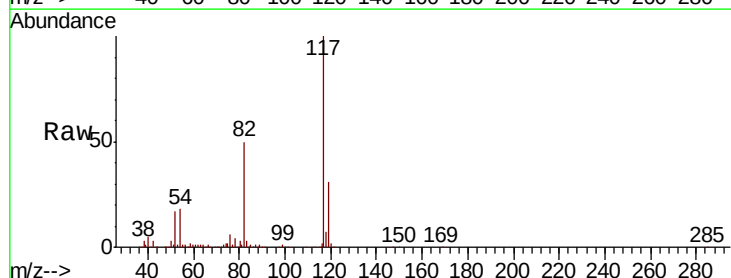
Instrument :
MSVOA_W
ClientSampleId :

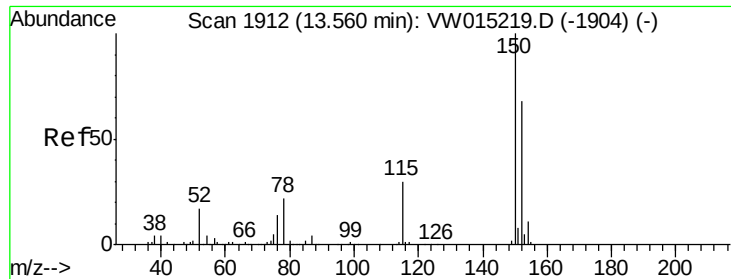
Tot Ion: 95 Resp: 117094
Ion Ratio Lower Upper
95 100
174 91.1 0.0 144.4
176 88.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015277.D
Acq: 21 Apr 2020 22:34

Tgt Ion: 117 Resp: 268535
Ion Ratio Lower Upper
117 100
82 49.6 44.1 66.1
119 31.0 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: VW015277.D

Acq: 21 Apr 2020 22:34

Instrument :

MSVOA_W

ClientSampled :

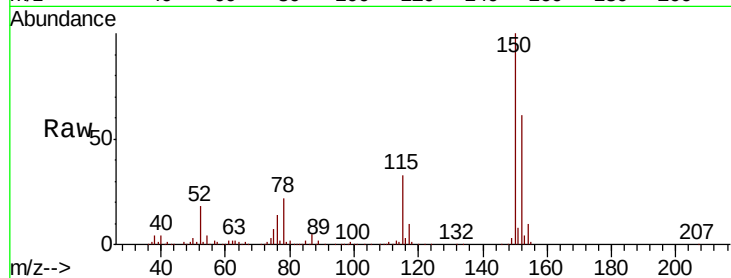
Tot Ion:152 Resp: 117025

Ion Ratio Lower Upper

152 100

115 55.5 31.3 93.9

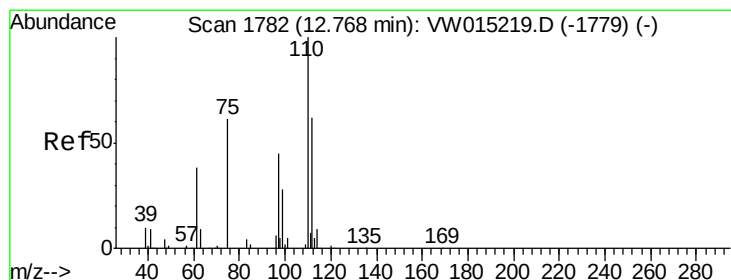
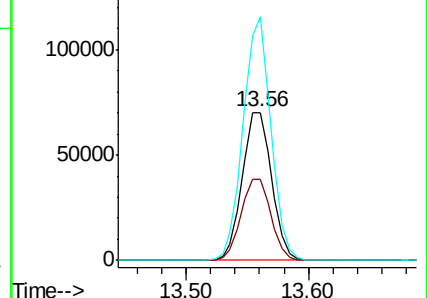
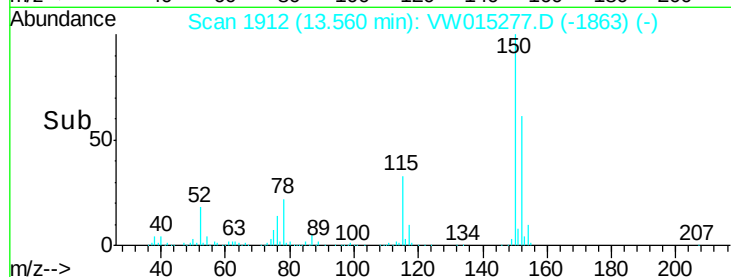
150 155.2 0.0 343.4



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: 65.614 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015277.D

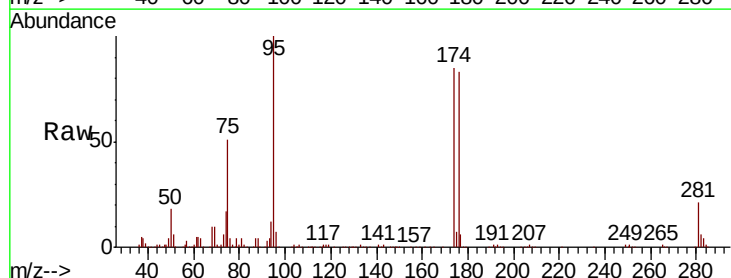
Acq: 21 Apr 2020 22:34

Tgt Ion: 75 Resp: 59401

Ion Ratio Lower Upper

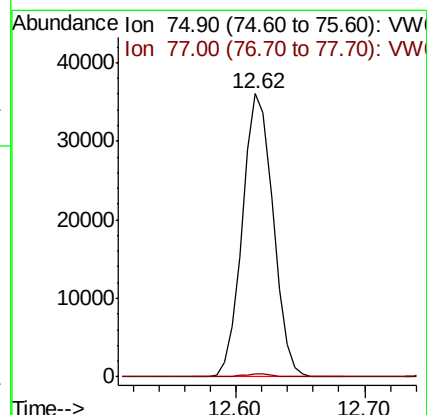
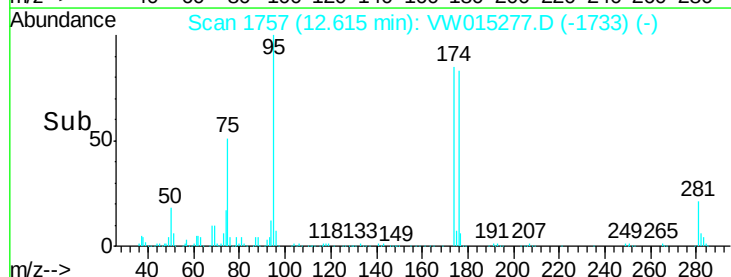
75 100

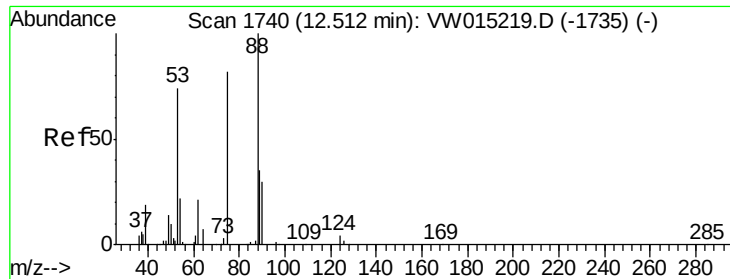
77 1.1 0.0 0.0#



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: 143.432 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Instrument :

MSVOA_W

ClientSampleId :

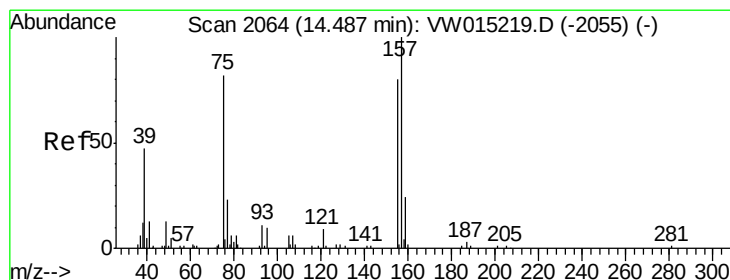
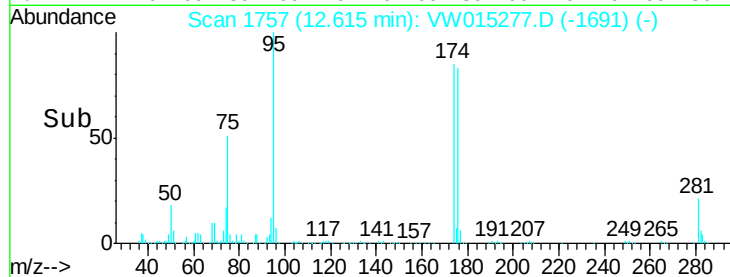
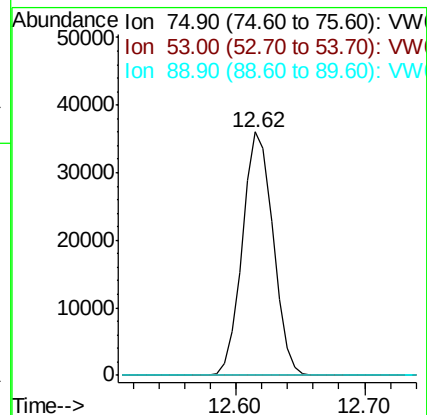
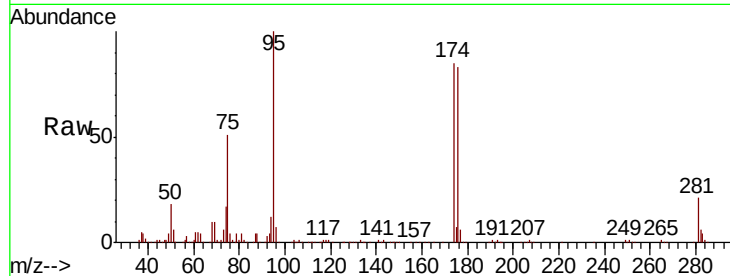
Tot Ion: 75 Resp: 59401

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.705 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.15 min

Lab File: VW015277.D

Acq: 21 Apr 2020 22:34

Tgt Ion: 75 Resp: 564

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.9#

157 0.0 53.8 161.2#

