

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015682.D
 Acq On : 24 Jun 2020 14:54
 Operator : SY/VA
 Sample : L3082-05
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5

Quant Time: Jun 25 02:04:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

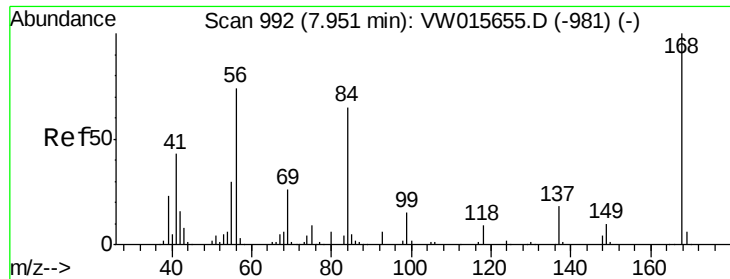
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	286153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119452	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	111491	64.71	ug/l	0.00
Spiked Amount			Recovery	=	129.42%	
35) Dibromofluoromethane	7.88	113	93440	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
50) Toluene-d8	10.33	98	361208	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	124590	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	26	Below Cal	#	72
16) Acetone	4.14	43	868	2.650	ug/l #	47
18) Methyl Acetate	4.68	43	19	Below Cal	#	52
20) Methylene Chloride	4.92	84	13952	4.608	ug/l	98
25) 2-Butanone	7.15	43	648	1.464	ug/l #	49
29) Tetrahydrofuran	7.54	42	345	1.326	ug/l #	65
31) Cyclohexane	7.95	56	3955	1.333	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	13220	4.442	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16390	5.681	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	1822	1.666	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67411	61.869	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67411	155.911	ug/l #	8

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_W\DATA\VW062420\  
Data File : VW015682.D  
Acq On    : 24 Jun 2020   14:54  
Operator  : SY/VA  
Sample    : L3082-05  
Misc      : 5.36G/5ML/MSV0A_W/SOIL  
ALS Vial  : 12    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampled :

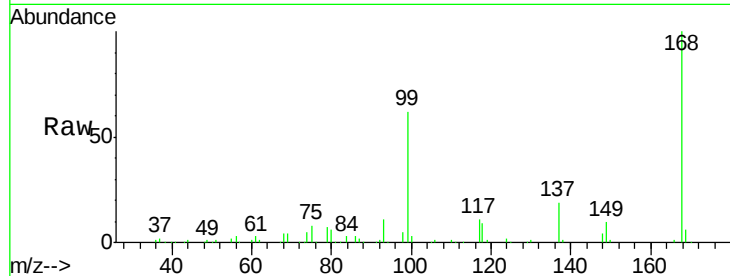
SB-5

Tgt Ion:168 Resp: 154843

Ion Ratio Lower Upper

168 100

99 62.2 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

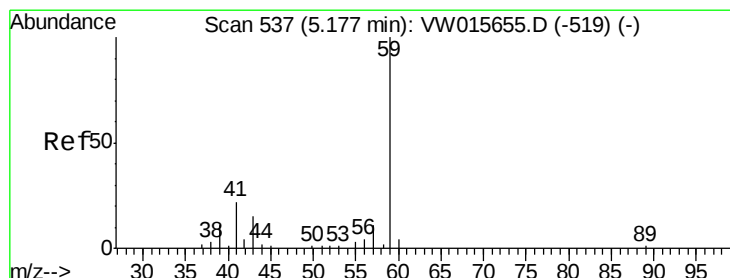
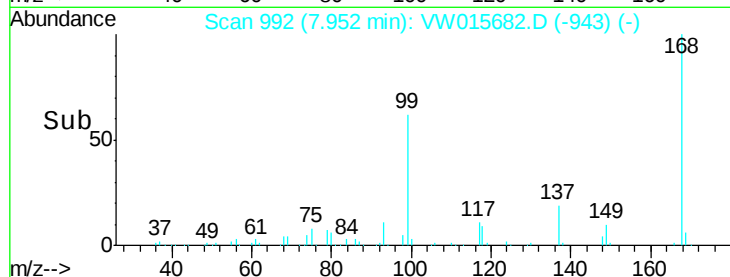
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW015682.D

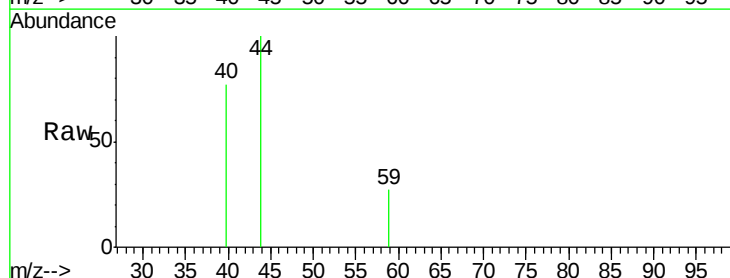
Acq: 24 Jun 2020 14:54

Tgt Ion: 59 Resp: 26

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

5.16

80

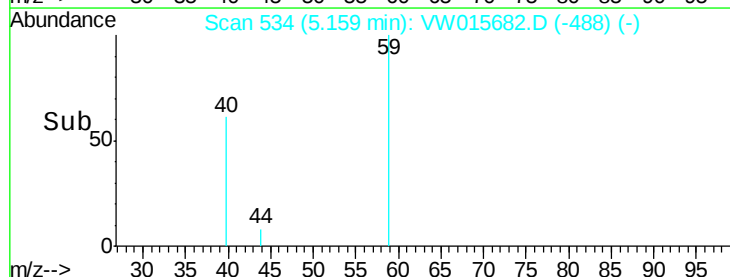
60

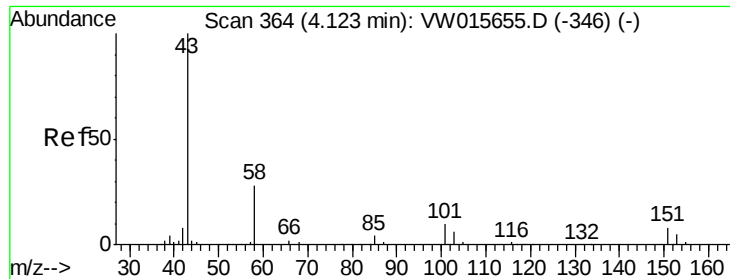
40

20

0

Time--> 5.14 5.15 5.16 5.17 5.18





#16

Acetone

Concen: 2.650 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampled :

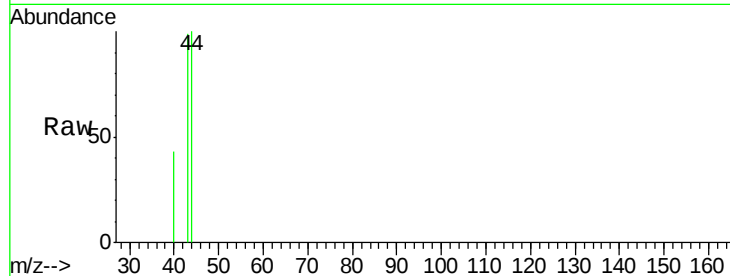
SB-5

Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

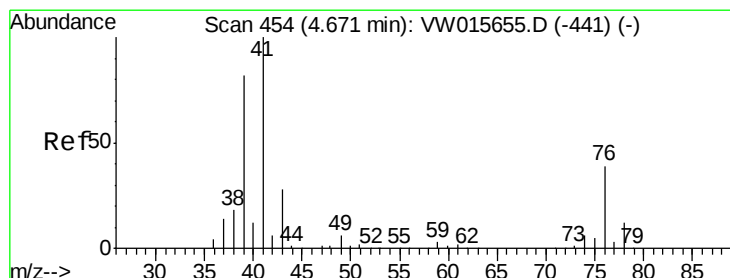
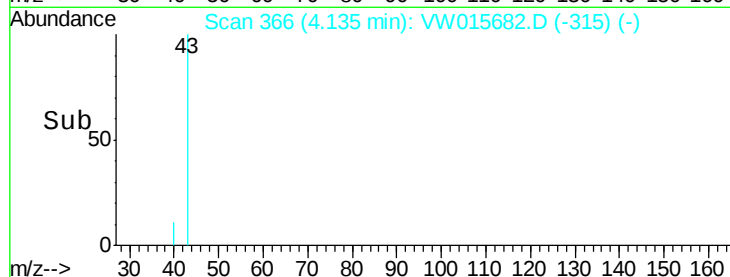
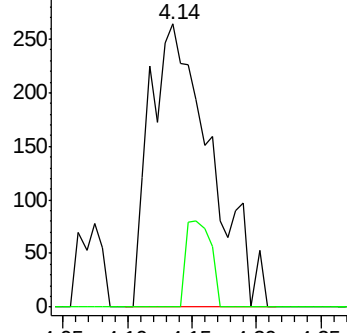
43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015682.D

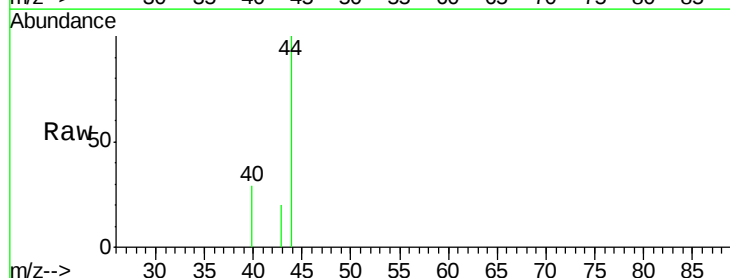
Acq: 24 Jun 2020 14:54

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

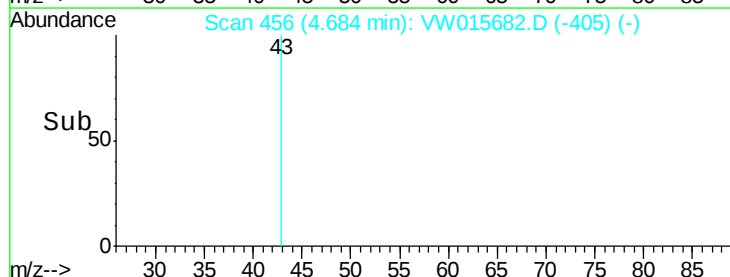
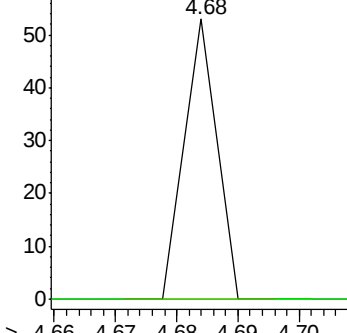
43 100

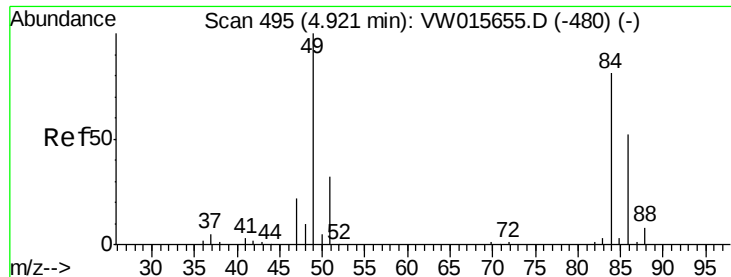
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

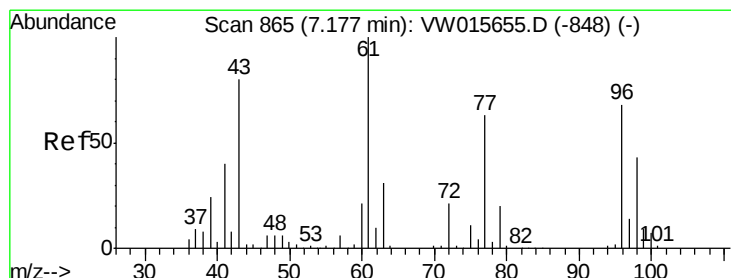
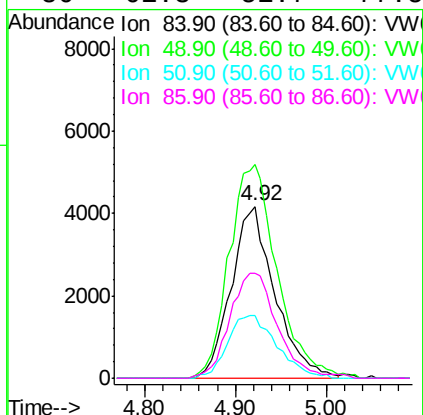
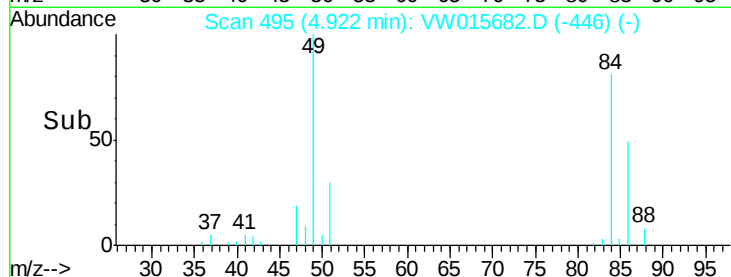
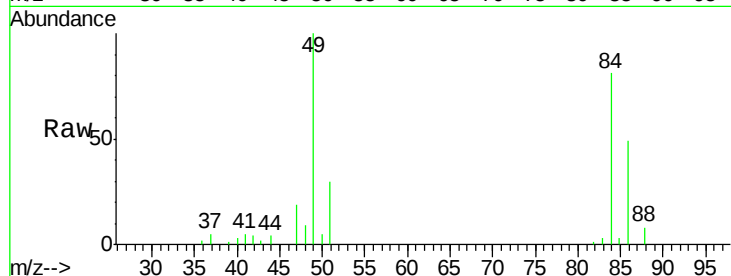




#20
Methylene Chloride
Concen: 4.608 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

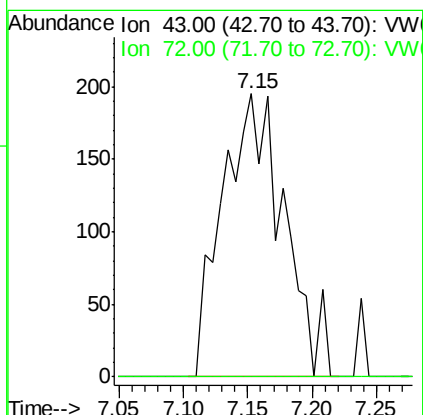
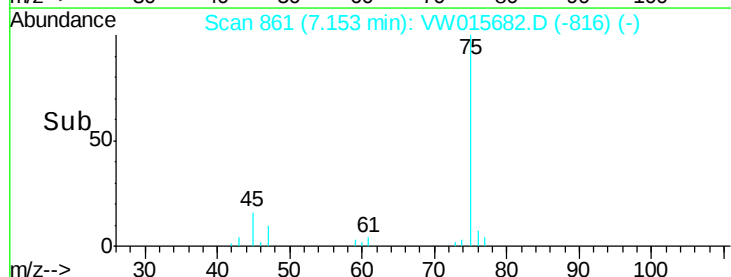
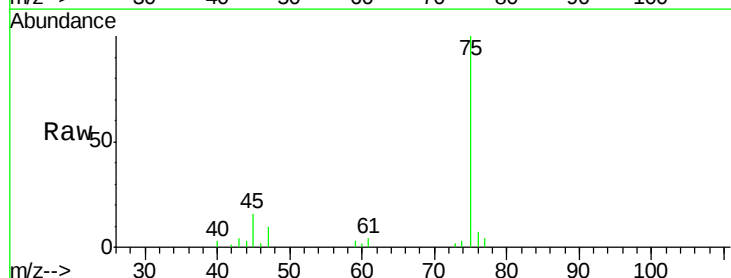
Instrument :
MSVOA_W
ClientSampleId :
SB-5

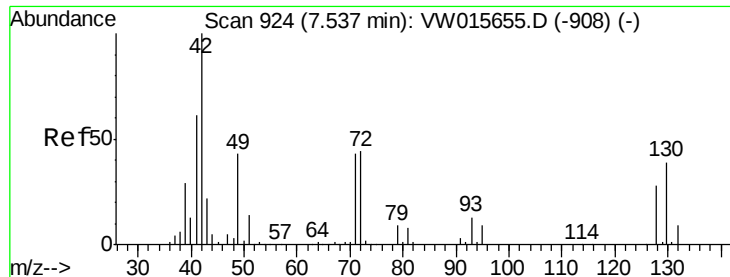
Tgt Ion:	84	Resp:	13952
Ion	Ratio	Lower	Upper
84	100		
49	124.1	99.3	148.9
51	36.7	31.8	47.6
86	61.3	51.7	77.5



#25
2-Butanone
Concen: 1.464 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

Tgt Ion:	43	Resp:	648
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.326 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampleId :

SB-5

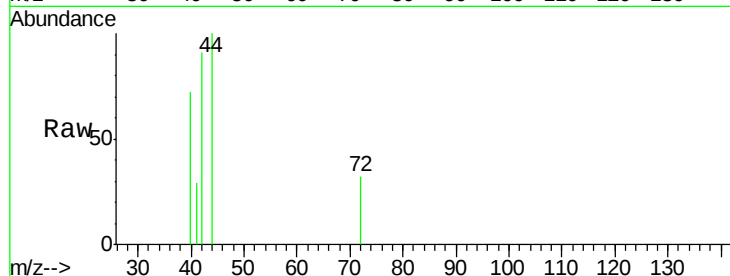
Tgt Ion: 42 Resp: 345

Ion Ratio Lower Upper

42 100

72 32.8 35.0 52.6#

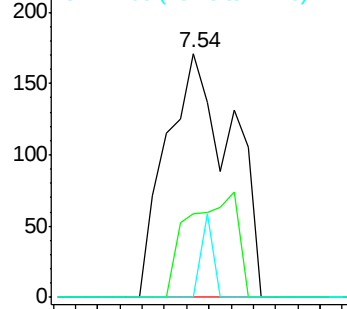
71 6.4 32.6 49.0#



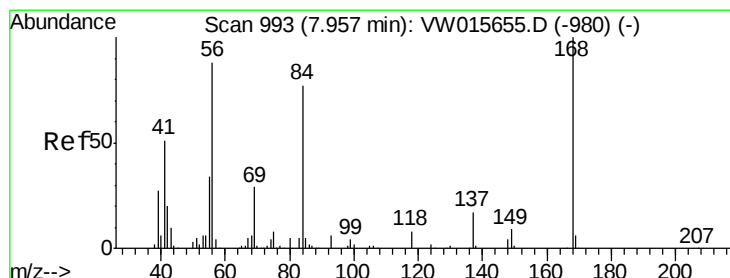
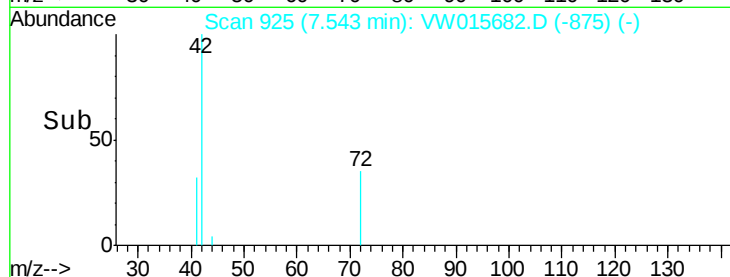
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.333 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

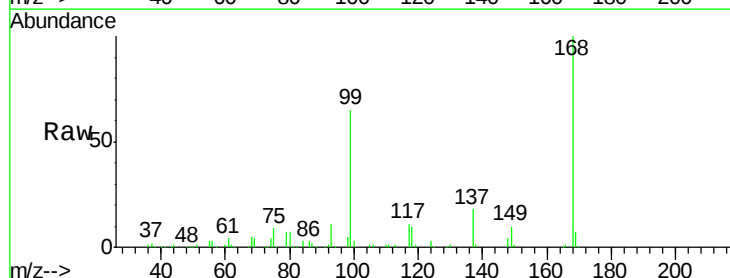
Tgt Ion: 56 Resp: 3955

Ion Ratio Lower Upper

56 100

69 156.1 26.2 39.4#

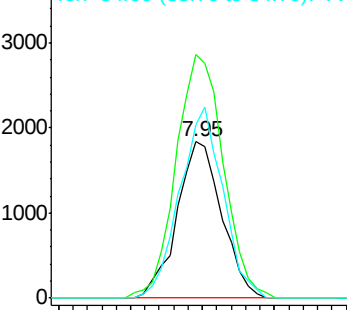
84 110.7 70.4 105.6#



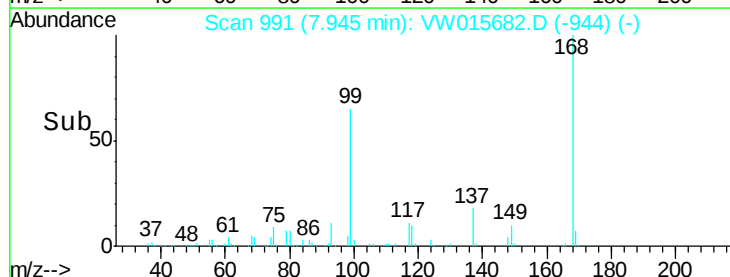
Abundance Ion 56.00 (55.70 to 56.70): VW

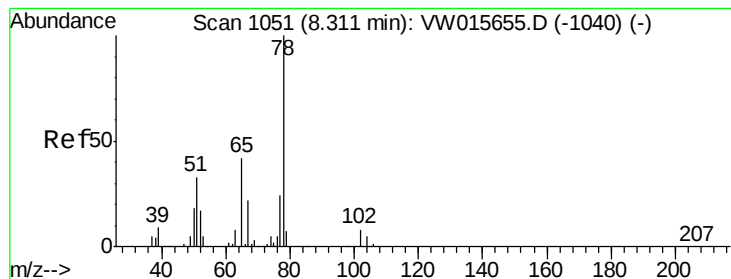
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 64.714 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampled :

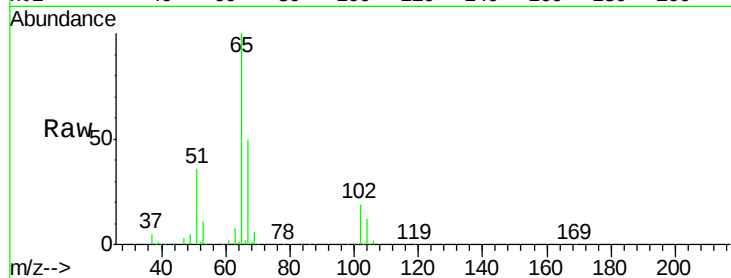
SB-5

Tgt Ion: 65 Resp: 111491

Ion Ratio Lower Upper

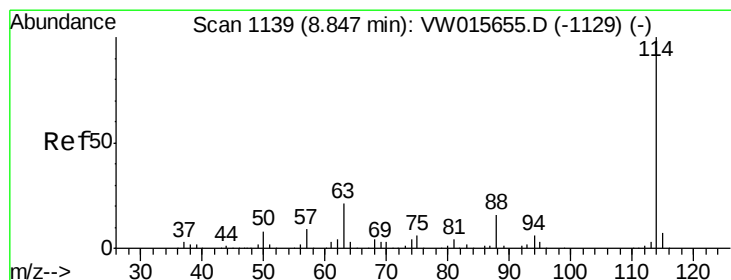
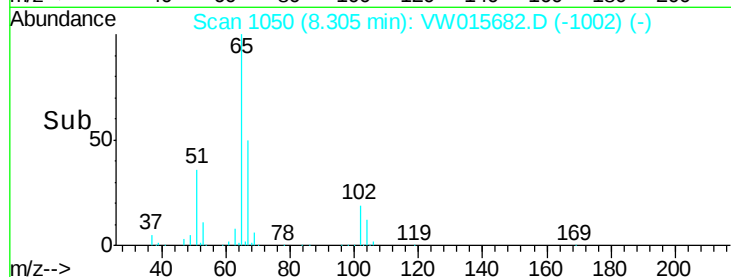
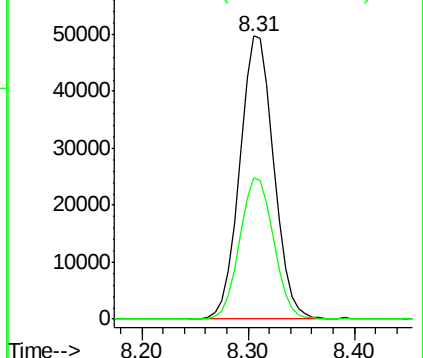
65 100

67 50.0 0.0 102.2



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. 0.00 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

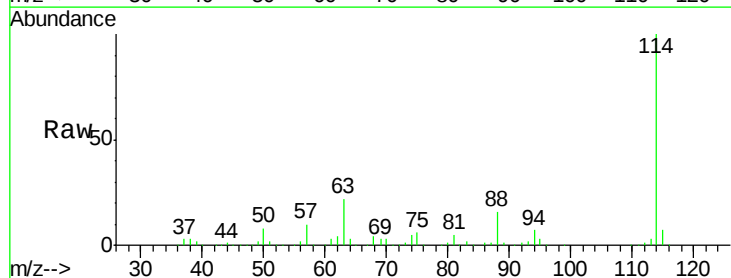
Tgt Ion: 114 Resp: 286153

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

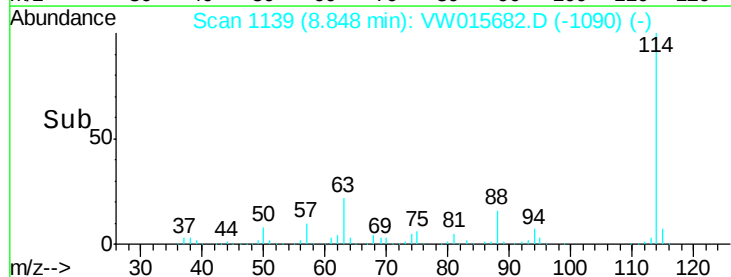
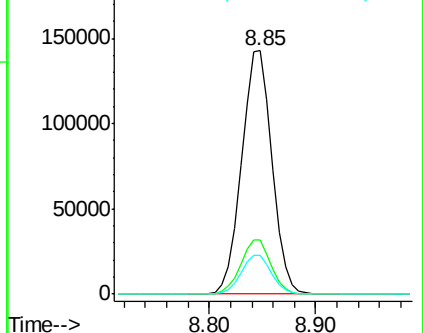
88 16.0 0.0 32.6

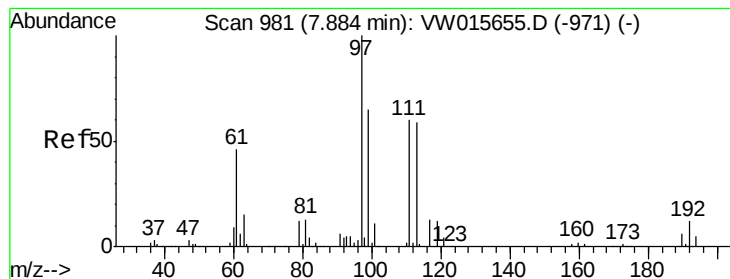


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.911 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampled :

SB-5

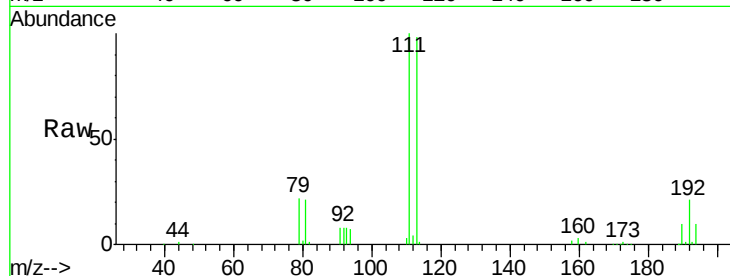
Tgt Ion:113 Resp: 93440

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

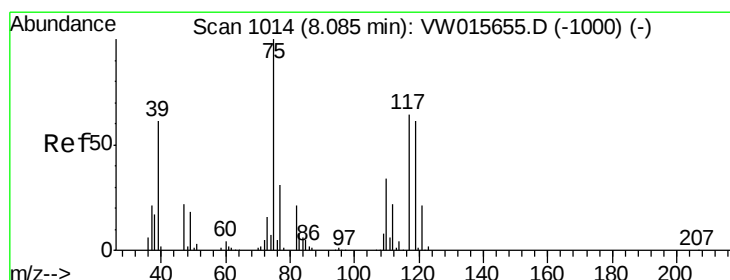
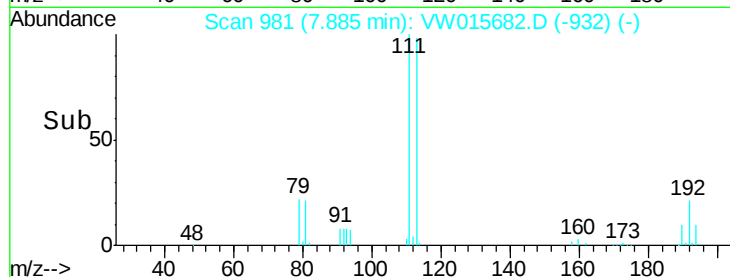
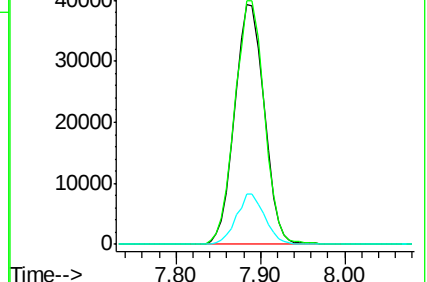
192 20.0 16.4 24.6



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: 4.442 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

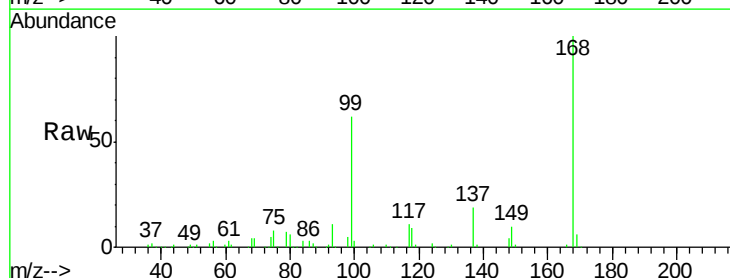
Tgt Ion: 75 Resp: 13220

Ion Ratio Lower Upper

75 100

110 8.9 17.0 51.0#

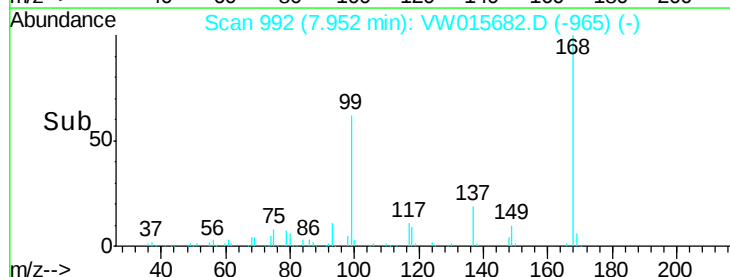
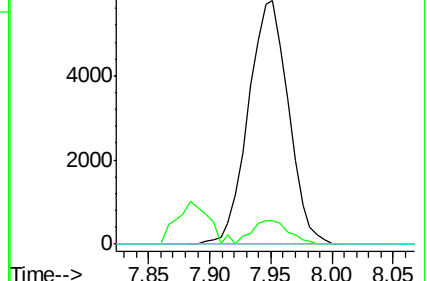
77 0.0 24.6 36.8#

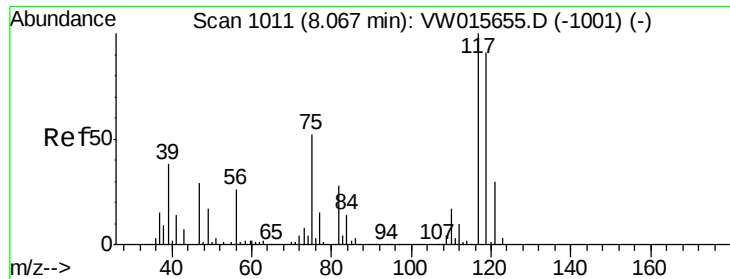


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

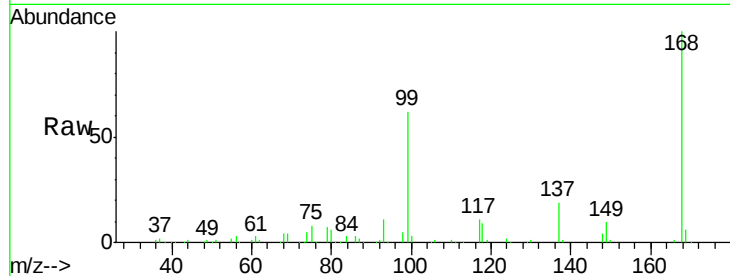




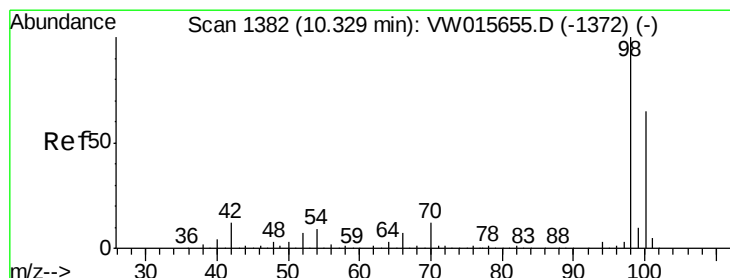
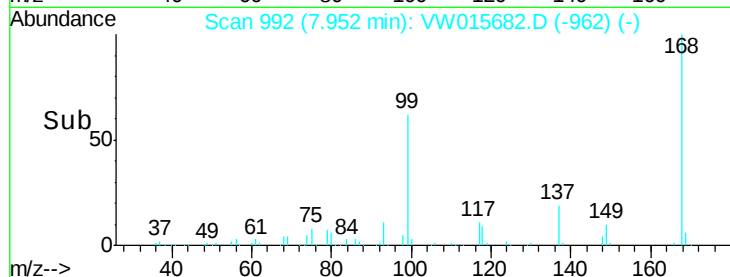
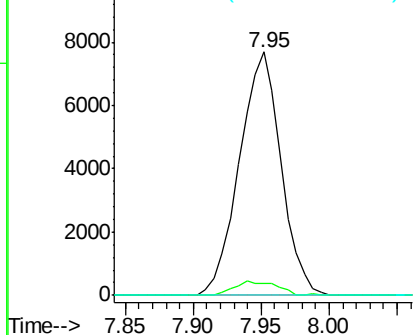
#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

Instrument :
MSVOA_W
ClientSampleId :
SB-5

Tgt Ion: 117 Resp: 16390
Ion Ratio Lower Upper
117 100
119 4.9 73.2 109.8#
121 0.0 23.9 35.9#

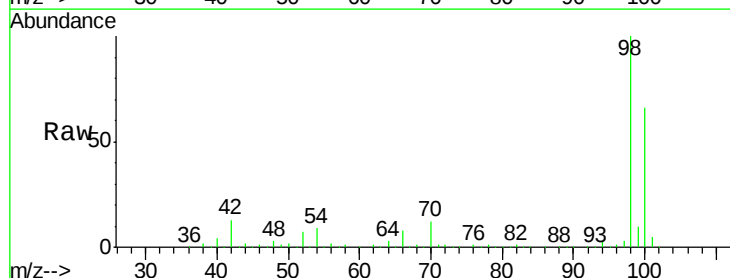


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

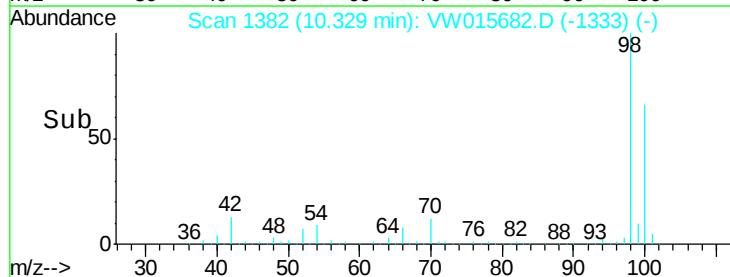
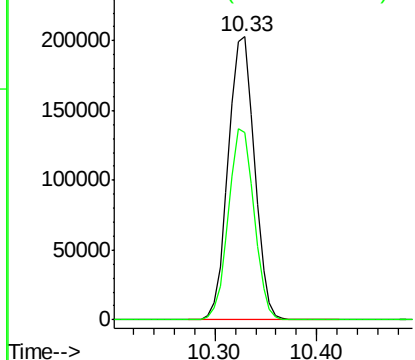


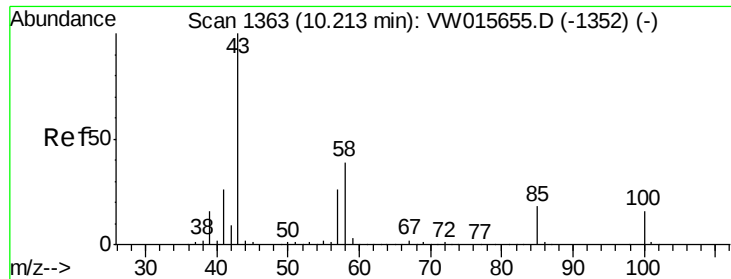
#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

Tgt Ion: 98 Resp: 361208
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

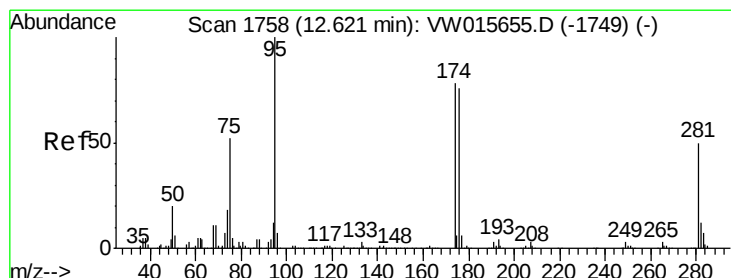
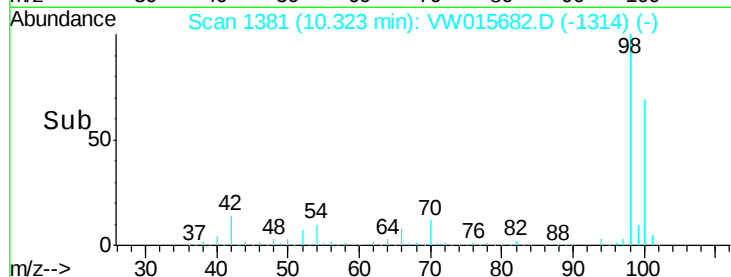
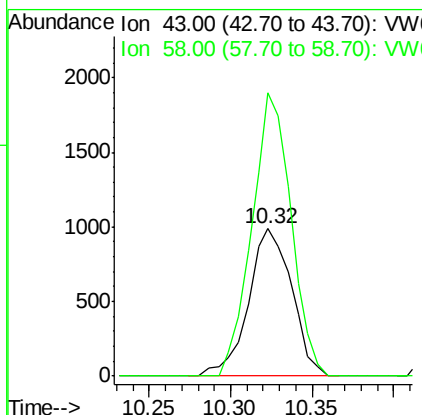
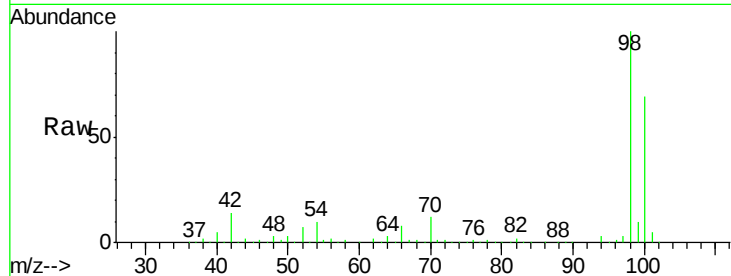




#51
4-Methyl-2-Pentanone
Concen: 1.666 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

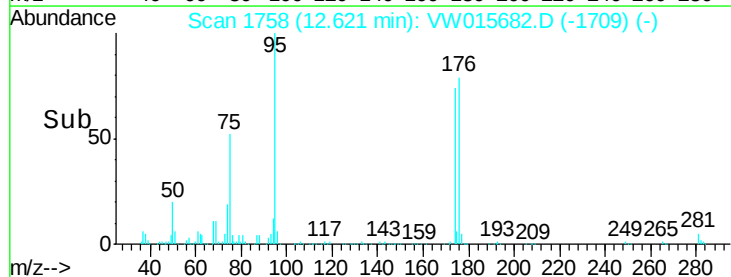
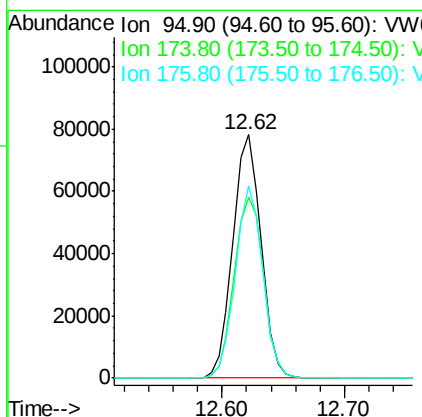
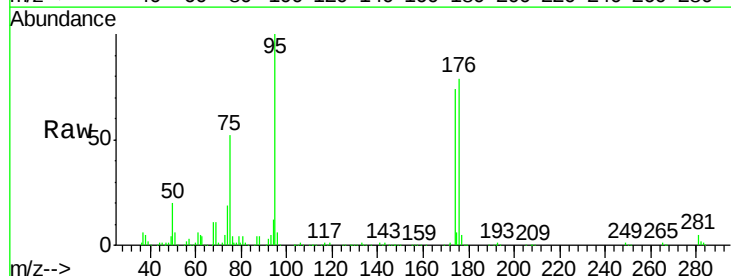
Instrument :
MSVOA_W
ClientSampleId :
SB-5

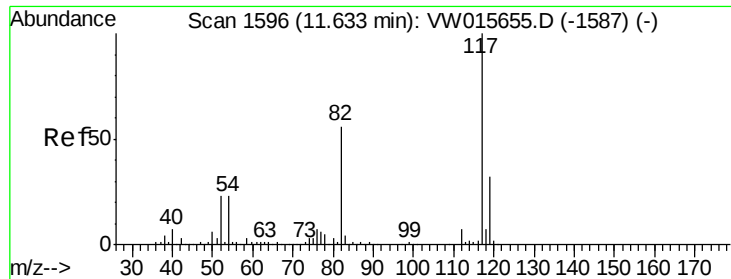
Tgt Ion: 43 Resp: 1822
Ion Ratio Lower Upper
43 100
58 174.3 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 47.759 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

Tgt Ion: 95 Resp: 124590
Ion Ratio Lower Upper
95 100
174 77.3 0.0 157.0
176 76.6 0.0 151.4

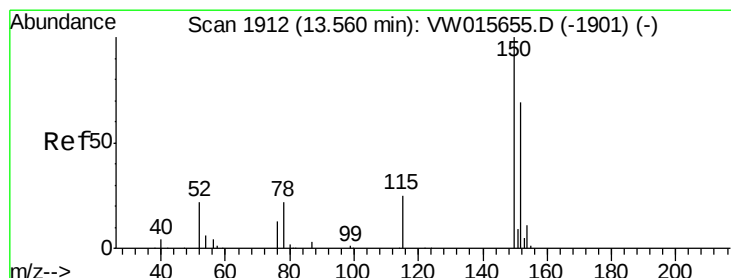
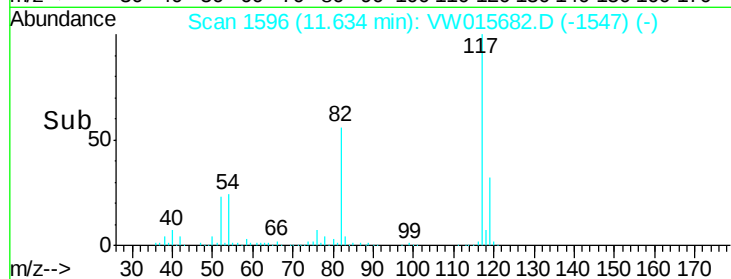
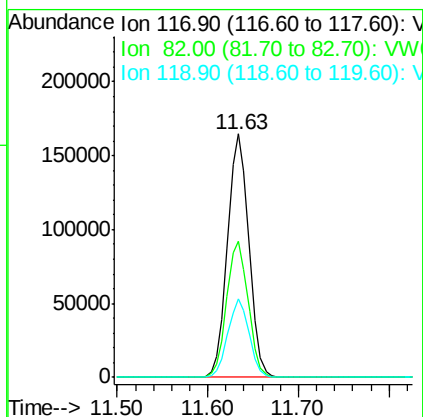
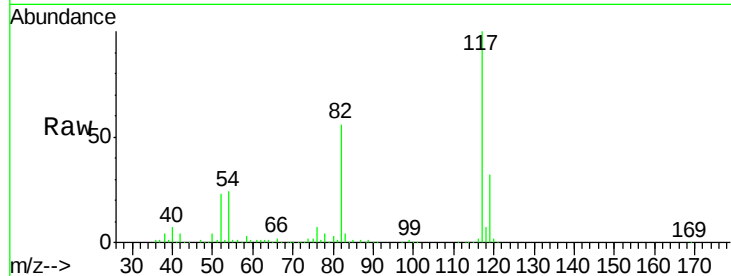




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

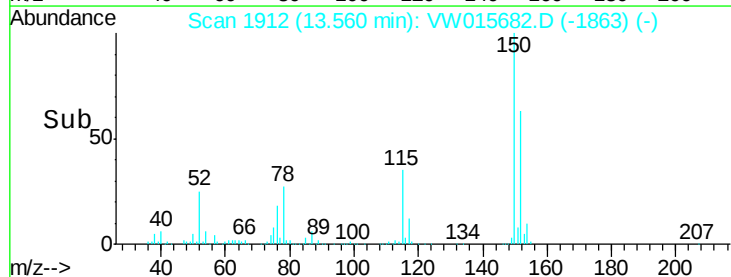
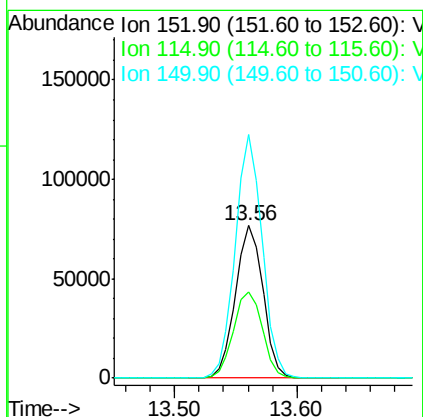
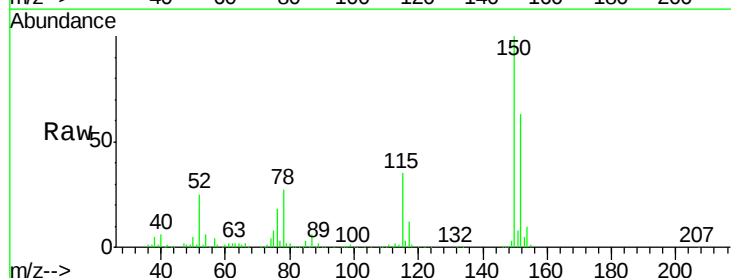
Instrument :
MSVOA_W
ClientSampled :
SB-5

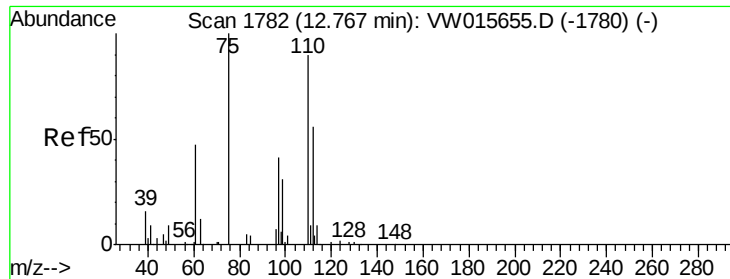
Tgt Ion:117 Resp: 269428
Ion Ratio Lower Upper
117 100
82 55.8 45.1 67.7
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015682.D
Acq: 24 Jun 2020 14:54

Tgt Ion:152 Resp: 119452
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.5
150 156.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 61.869 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Instrument :

MSVOA_W

ClientSampleId :

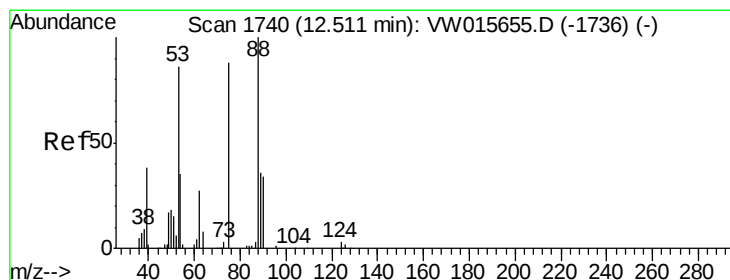
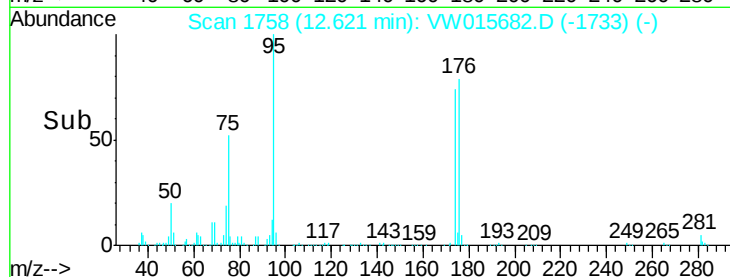
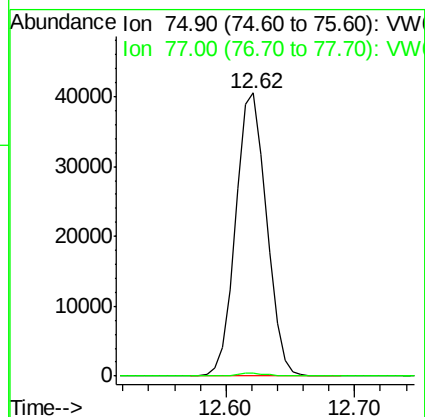
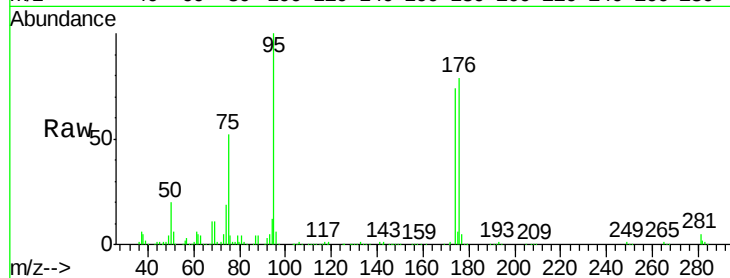
SB-5

Tgt Ion: 75 Resp: 67411

Ion Ratio Lower Upper

75 100

77 1.1 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.911 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015682.D

Acq: 24 Jun 2020 14:54

Tgt Ion: 75 Resp: 67411

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

