

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
 Data File : VW015689.D
 Acq On : 24 Jun 2020 17:58
 Operator : SY/VA
 Sample : L3082-17RE
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-18

Quant Time: Jun 25 02:05:25 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	143491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	270099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111679	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	101316	63.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.92%	
35) Dibromofluoromethane	7.88	113	87851	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.32	98	335373	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	115796	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

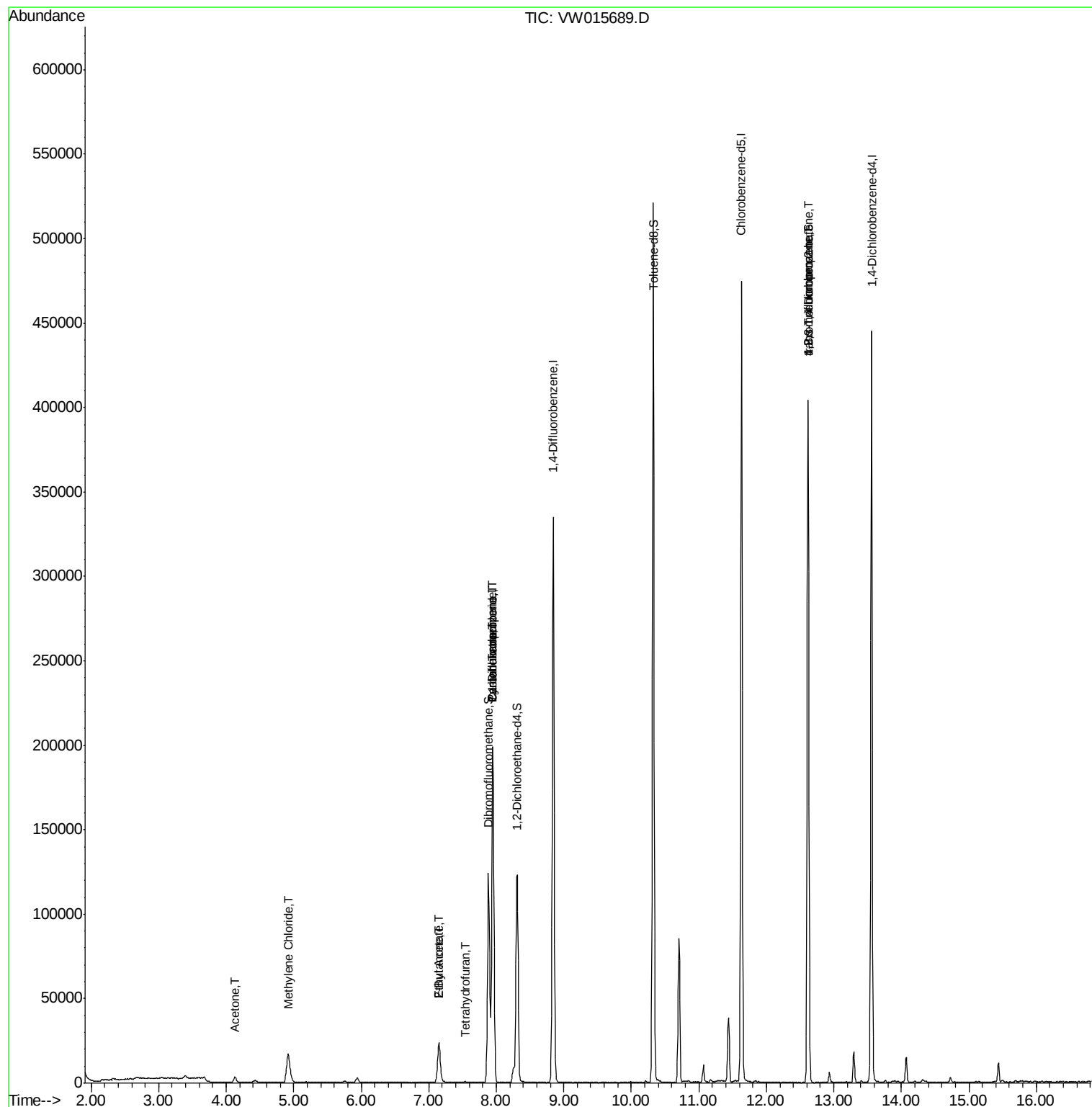
Target Compounds						Qvalue
11) Tert butyl alcohol	5.20	59	836	Below Cal	#	72
16) Acetone	4.13	43	5864	19.321	ug/l	97
18) Methyl Acetate	4.67	43	39	Below Cal	#	52
20) Methylene Chloride	4.92	84	14221	5.569	ug/l	98
25) 2-Butanone	7.14	43	1827	4.454	ug/l #	49
29) Tetrahydrofuran	7.54	42	427	1.771	ug/l #	51
31) Cyclohexane	7.95	56	3663	1.332	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	12485	4.444	ug/l #	51
37) Ethyl Acetate	7.14	43	1827	1.703	ug/l #	18
38) Carbon Tetrachloride	7.95	117	15484	5.686	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	63565	62.399	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	63565	157.248	ug/l #	8

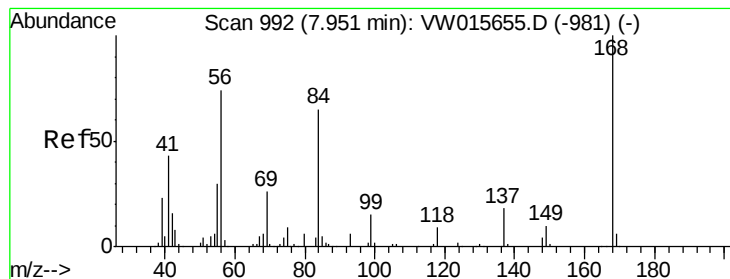
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW062420\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

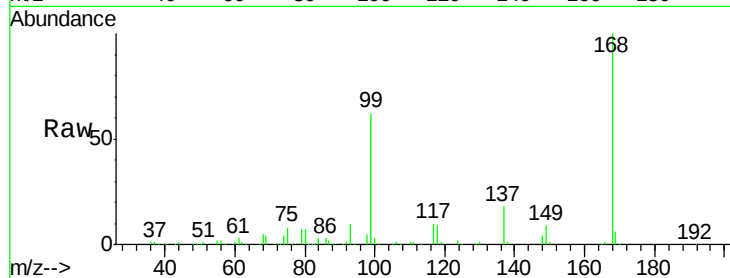
SB-18

Tgt Ion: 168 Resp: 143491

Ion Ratio Lower Upper

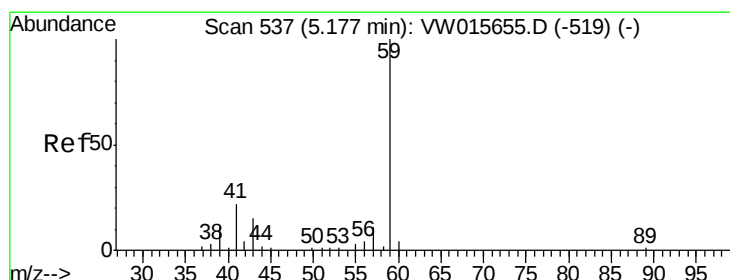
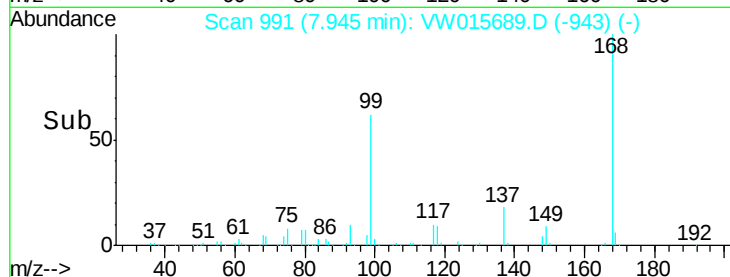
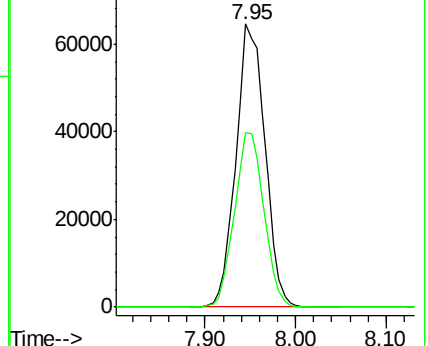
168 100

99 61.9 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW015689.D

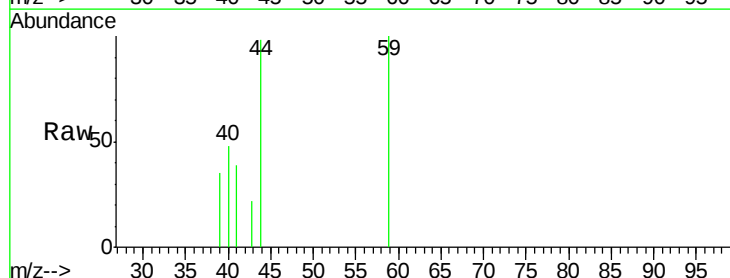
Acq: 24 Jun 2020 17:58

Tgt Ion: 59 Resp: 836

Ion Ratio Lower Upper

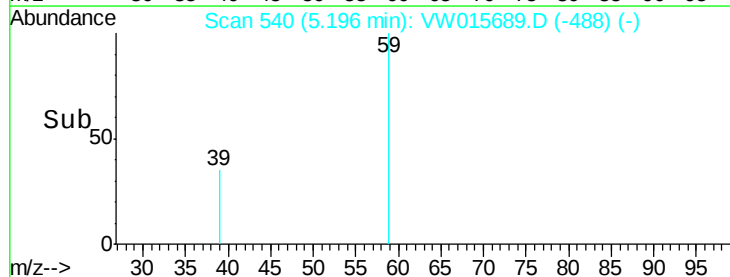
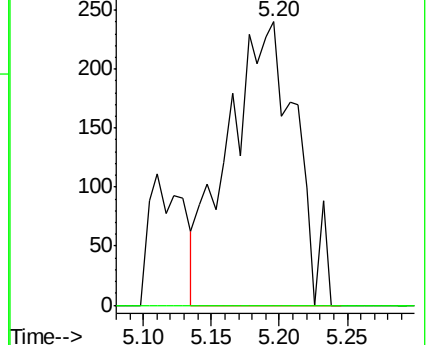
59 100

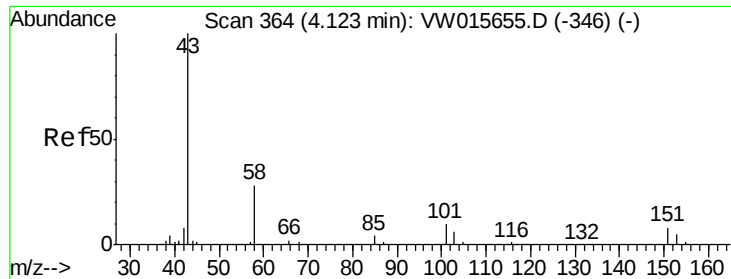
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 19.321 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

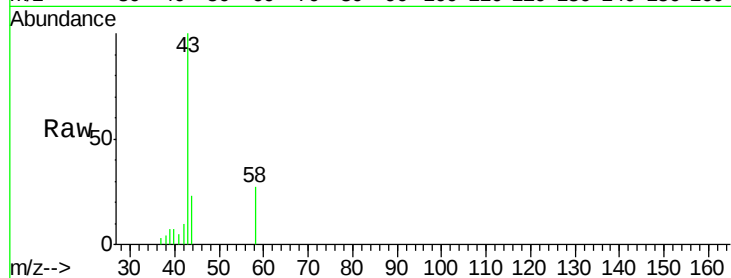
SB-18

Tgt Ion: 43 Resp: 5864

Ion Ratio Lower Upper

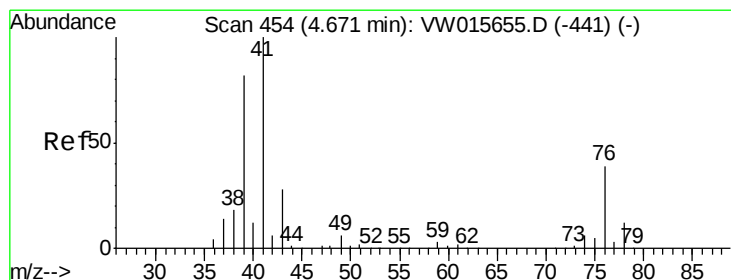
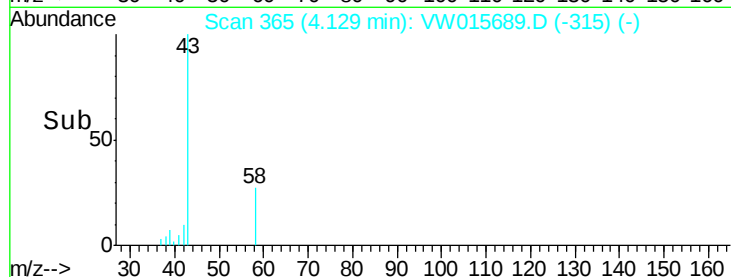
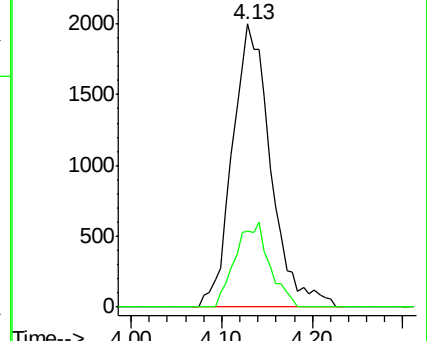
43 100

58 26.8 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: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015689.D

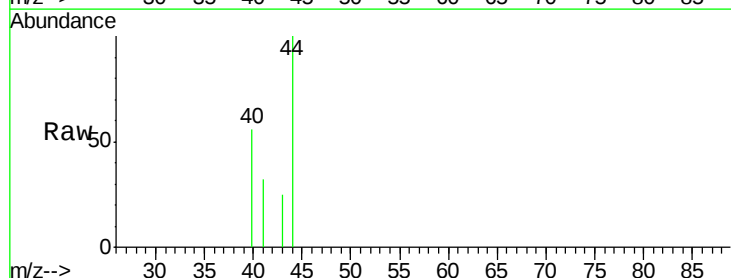
Acq: 24 Jun 2020 17:58

Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

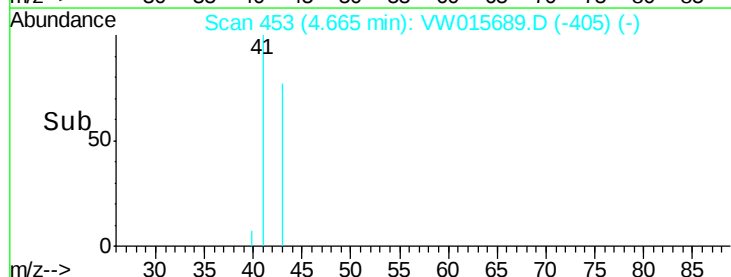
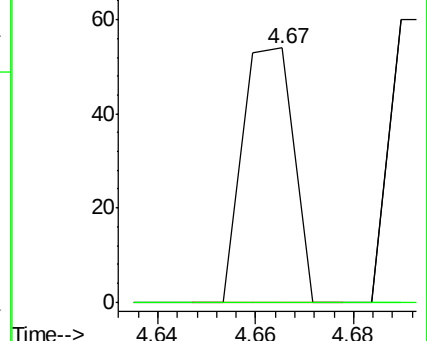
43 100

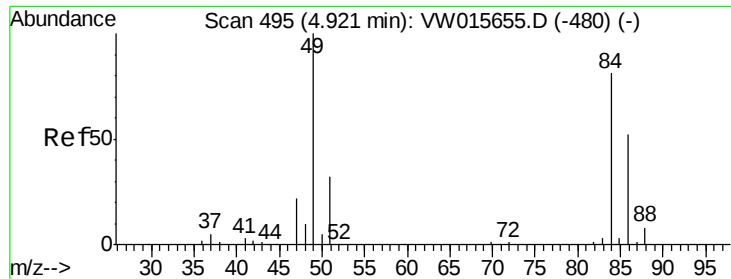
74 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

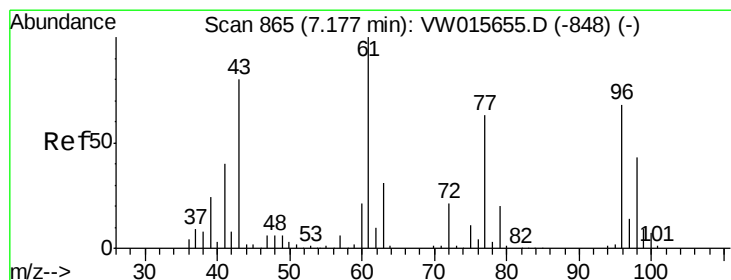
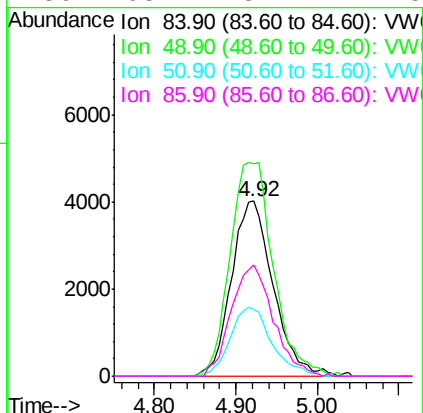
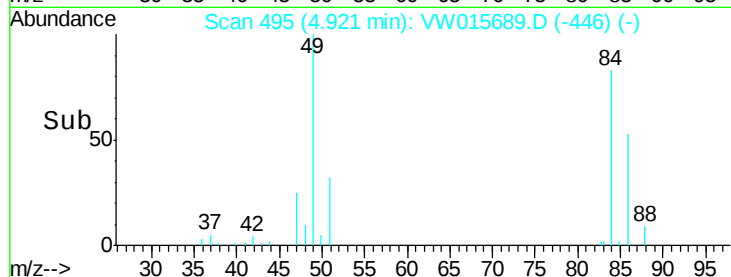
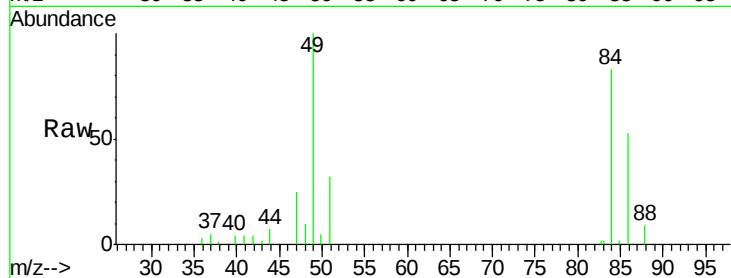




#20
Methylene Chloride
Concen: 5.569 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015689.D
Acq: 24 Jun 2020 17:58

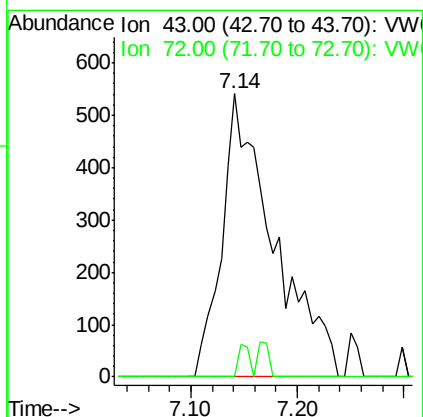
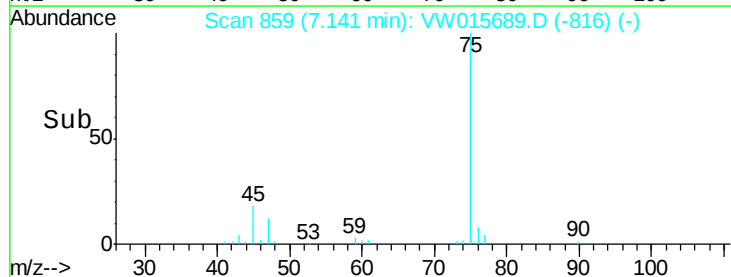
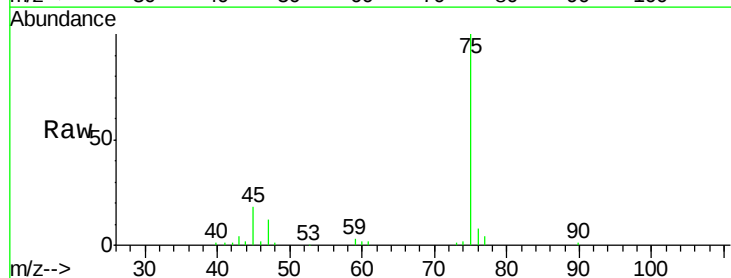
Instrument :
MSVOA_W
ClientSampleId :
SB-18

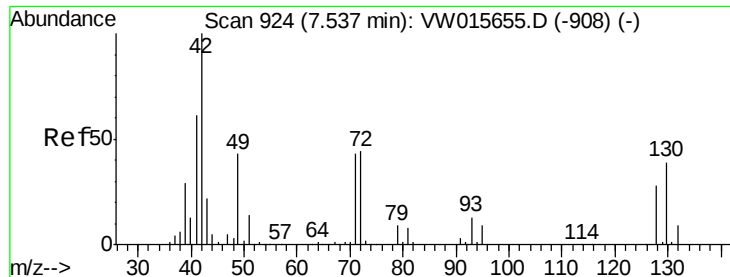
Tgt Ion:	84	Resp:	14221
Ion	Ratio	Lower	Upper
84	100		
49	120.9	99.3	148.9
51	38.2	31.8	47.6
86	63.7	51.7	77.5



#25
2-Butanone
Concen: 4.454 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW015689.D
Acq: 24 Jun 2020 17:58

Tgt Ion:	43	Resp:	1827
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.771 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

SB-18

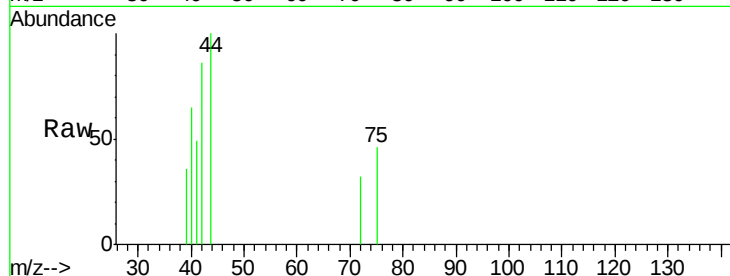
Tgt Ion: 42 Resp: 427

Ion Ratio Lower Upper

42 100

72 11.7 35.0 52.6#

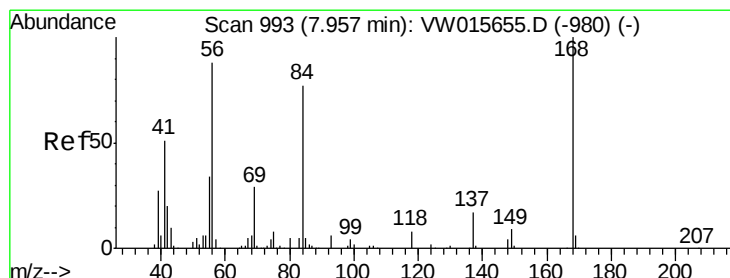
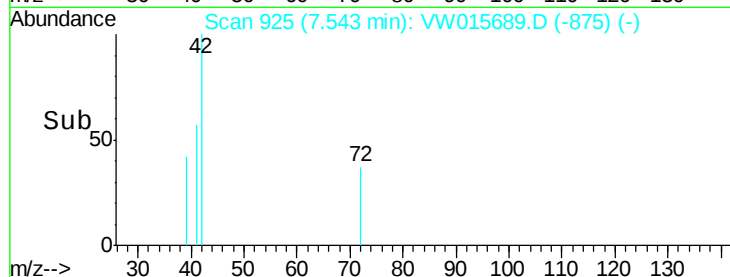
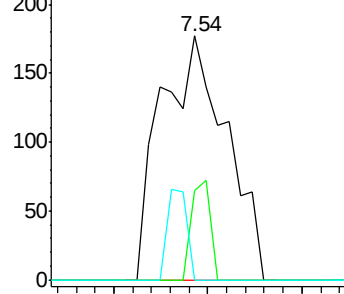
71 11.2 32.6 49.0#



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



#31

Cyclohexane

Concen: 1.332 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

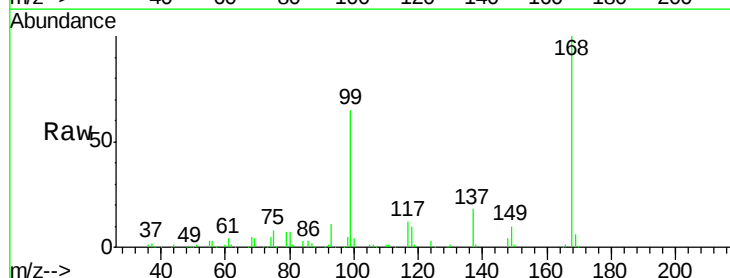
Tgt Ion: 56 Resp: 3663

Ion Ratio Lower Upper

56 100

69 151.0 26.2 39.4#

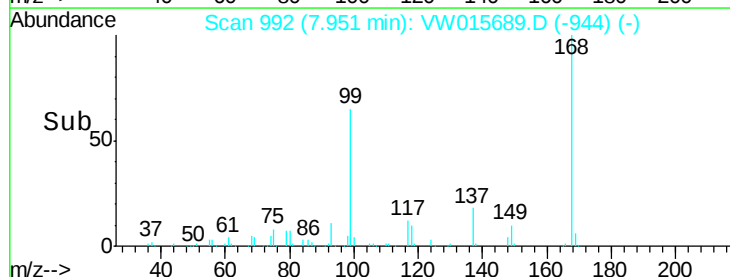
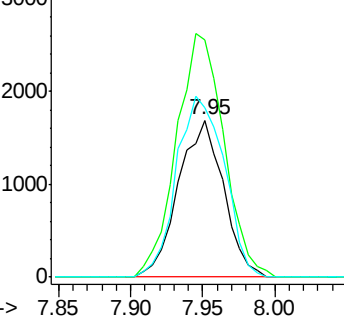
84 108.1 70.4 105.6#

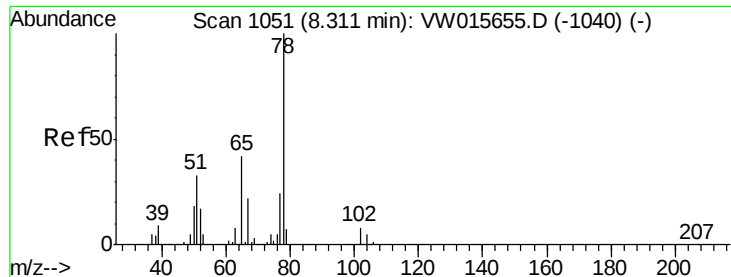


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 63.460 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

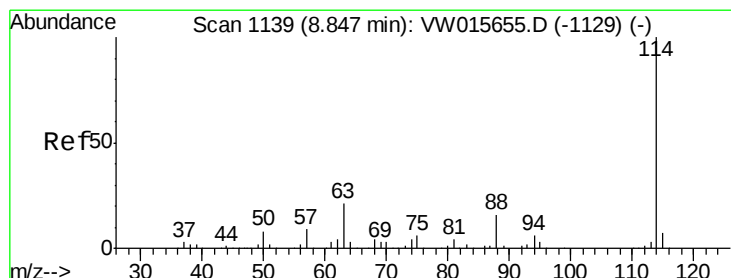
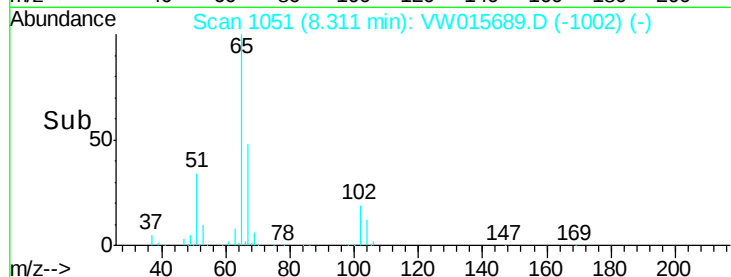
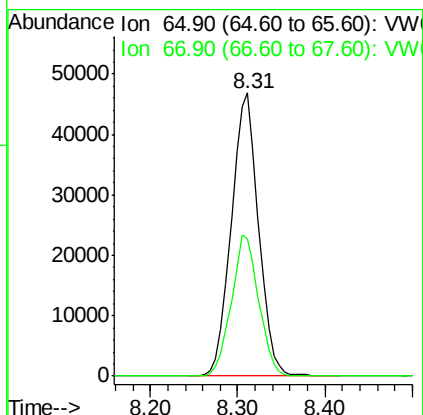
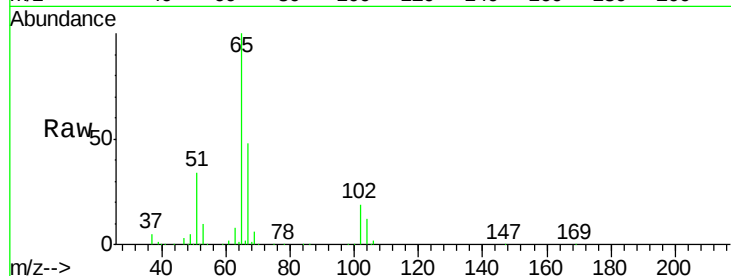
SB-18

Tgt Ion: 65 Resp: 101316

Ion Ratio Lower Upper

65 100

67 50.1 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

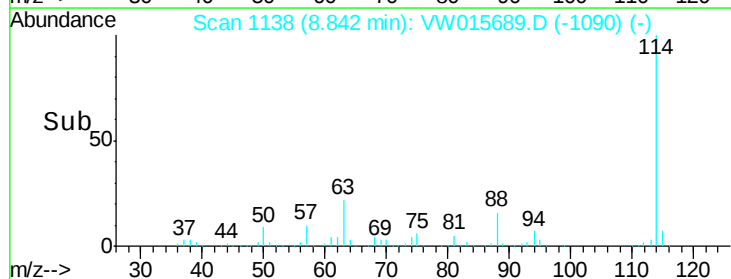
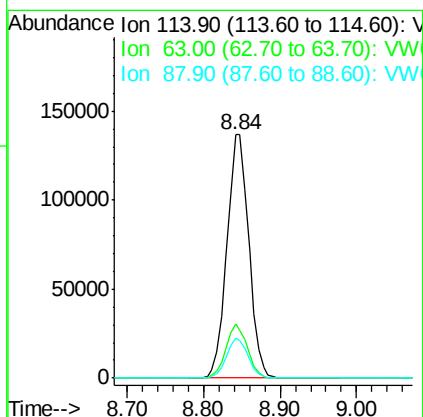
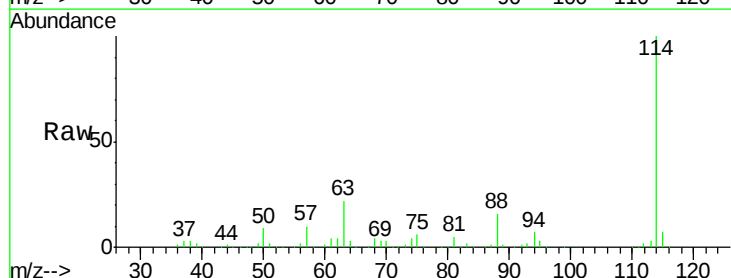
Tgt Ion: 114 Resp: 270099

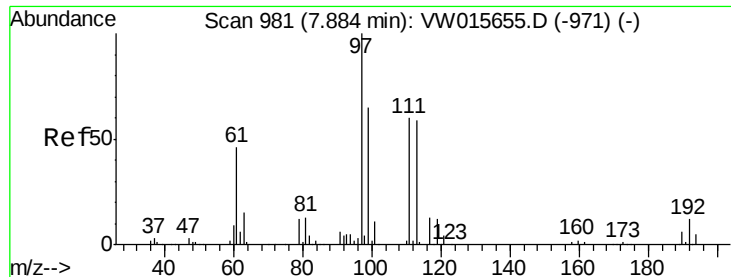
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.2 0.0 32.6

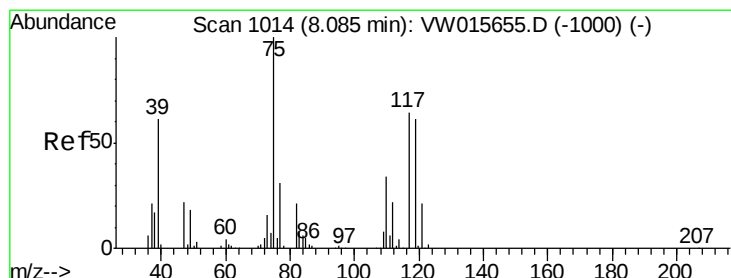
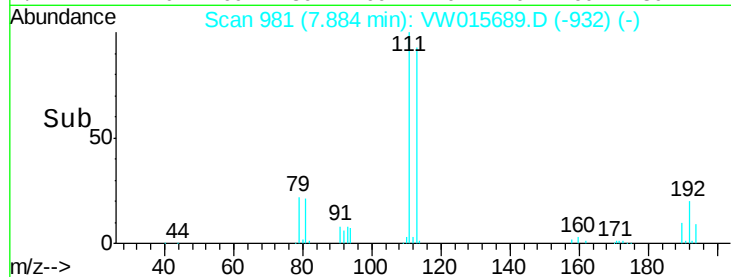
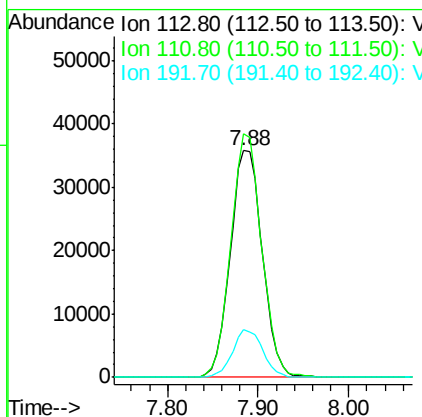
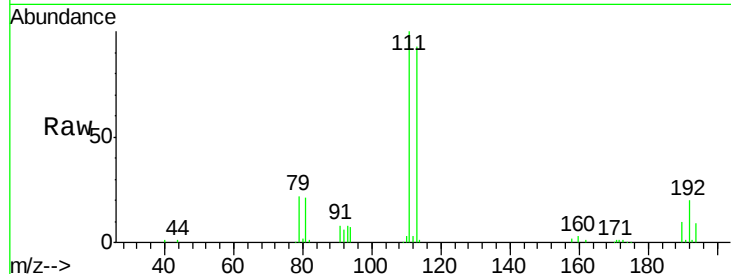




#35
 Dibromofluoromethane
 Concen: 51.707 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015689.D
 Acq: 24 Jun 2020 17:58

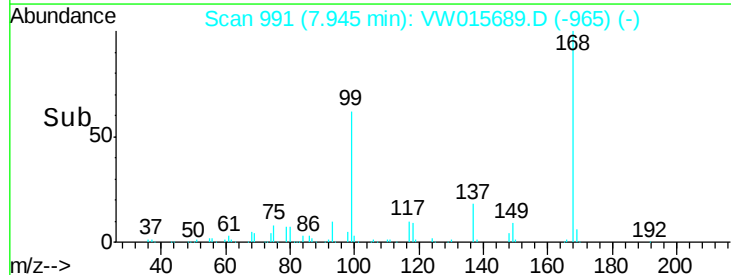
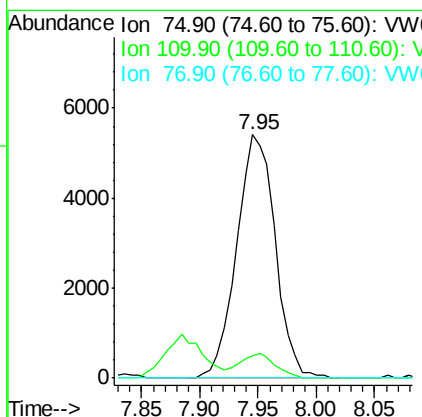
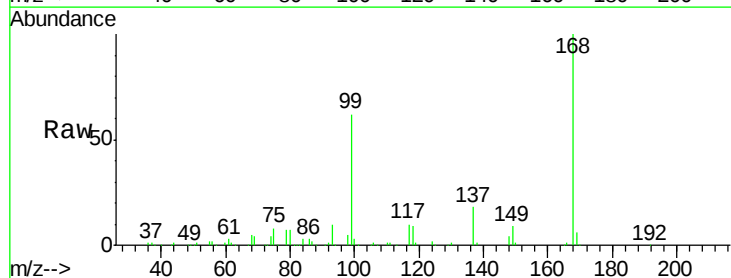
Instrument :
 MSVOA_W
 ClientSampled :
 SB-18

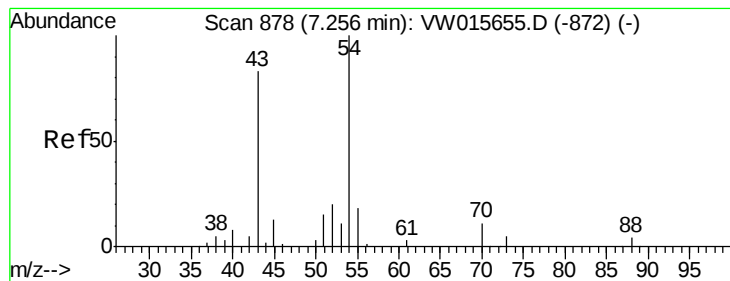
Tgt Ion:113 Resp: 87851
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.3 123.5
 192 19.8 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW015689.D
 Acq: 24 Jun 2020 17:58

Tgt Ion: 75 Resp: 12485
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.0 51.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.703 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.12 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampleId :

SB-18

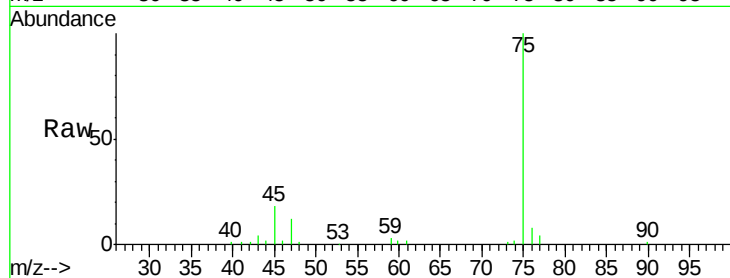
Tgt Ion: 43 Resp: 1827

Ion Ratio Lower Upper

43 100

61 62.6 10.4 15.6#

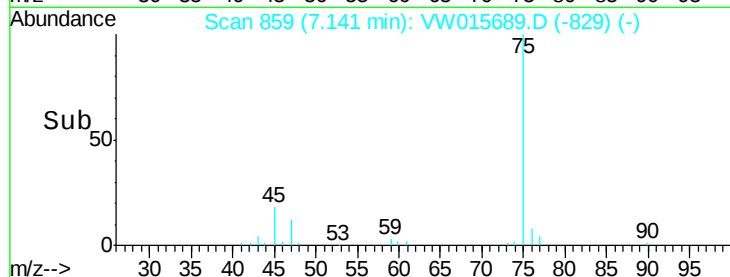
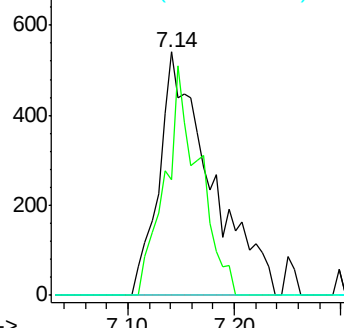
70 0.0 8.4 12.6#



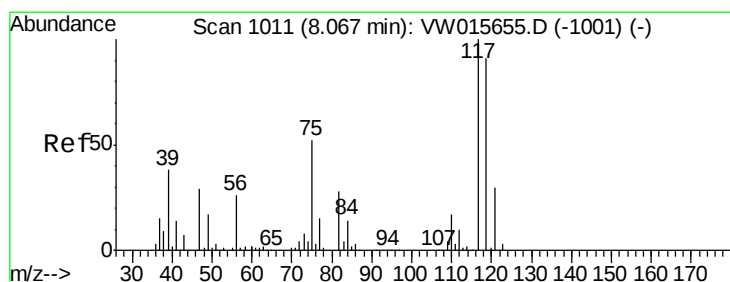
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



Time-->



#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

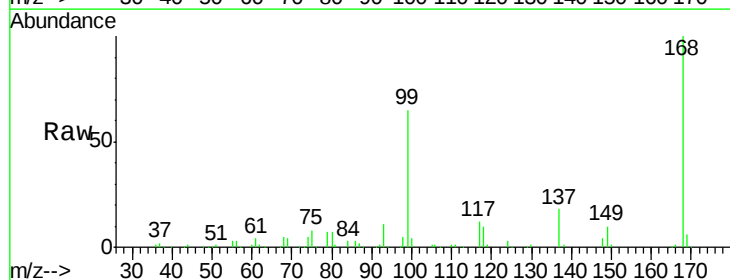
Tgt Ion: 117 Resp: 15484

Ion Ratio Lower Upper

117 100

119 5.1 73.2 109.8#

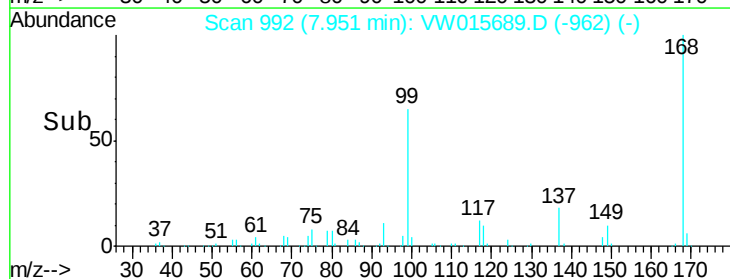
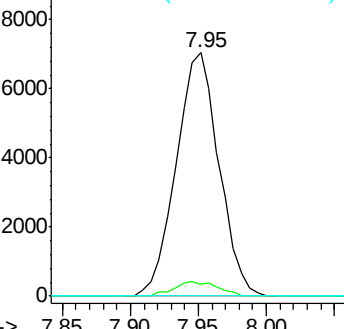
121 0.0 23.9 35.9#



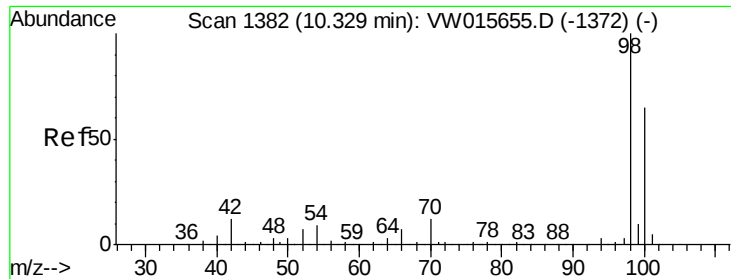
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#50

Toluene-d8

Concen: 50.159 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

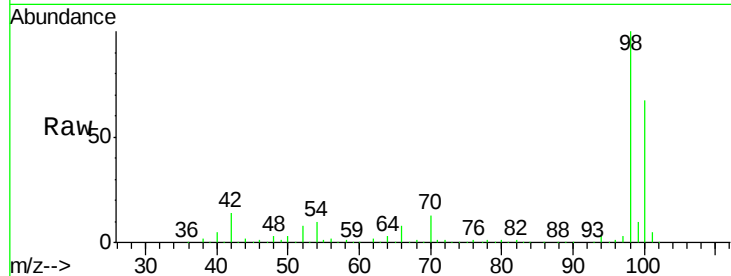
SB-18

Tgt Ion: 98 Resp: 335373

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

200000

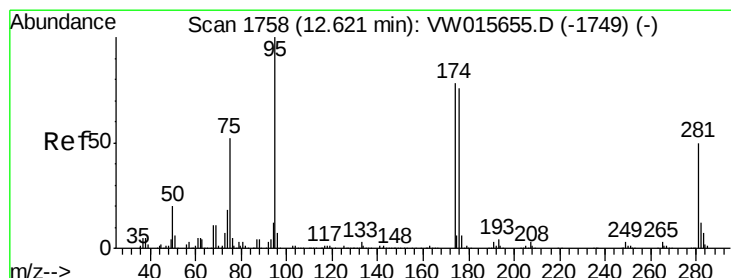
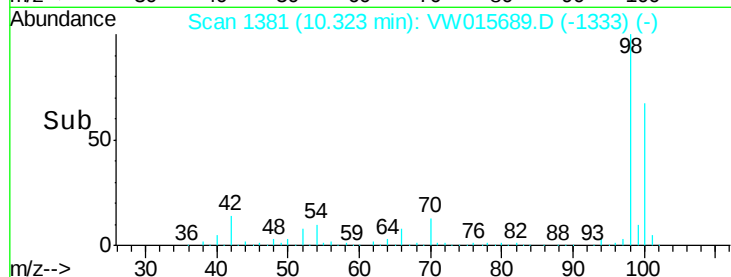
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 47.026 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

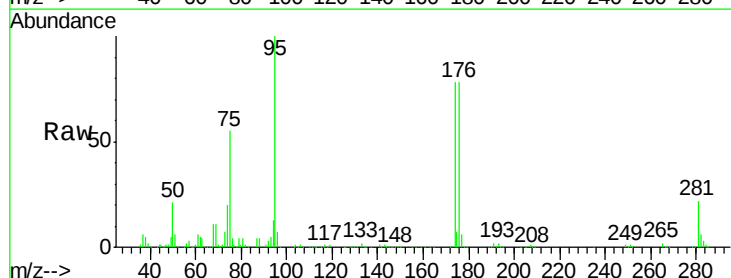
Tgt Ion: 95 Resp: 115796

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.0

176 75.3 0.0 151.4



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

12.62

100000

80000

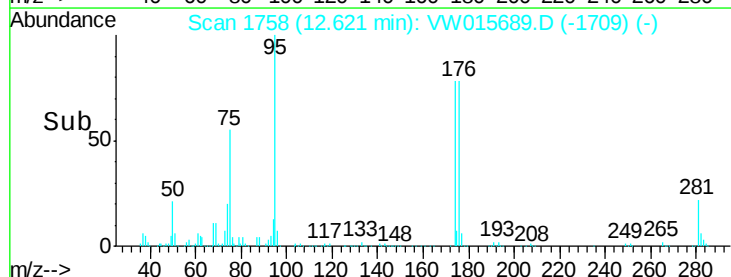
60000

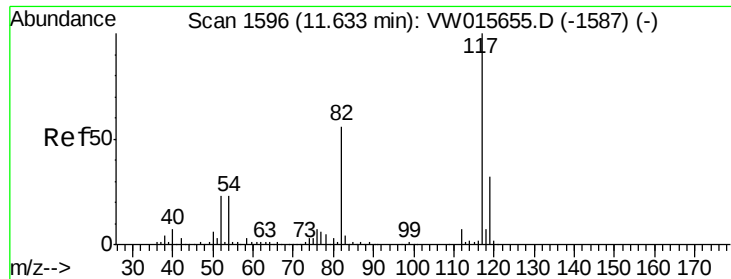
40000

20000

0

Time--> 12.50 12.60 12.70

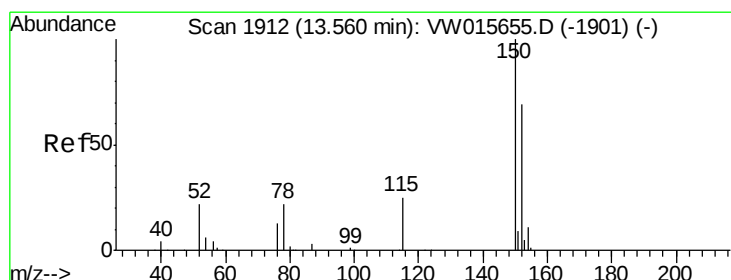
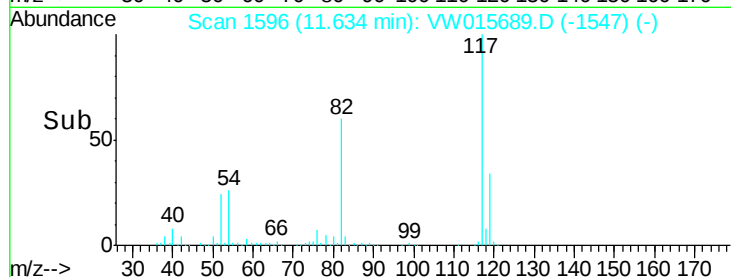
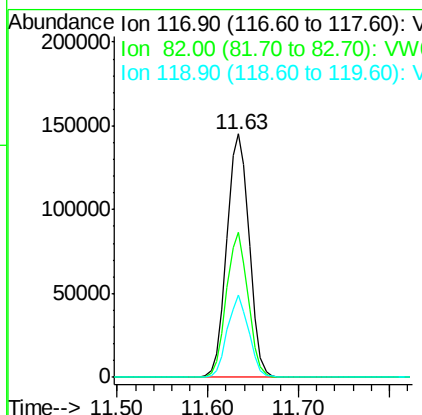
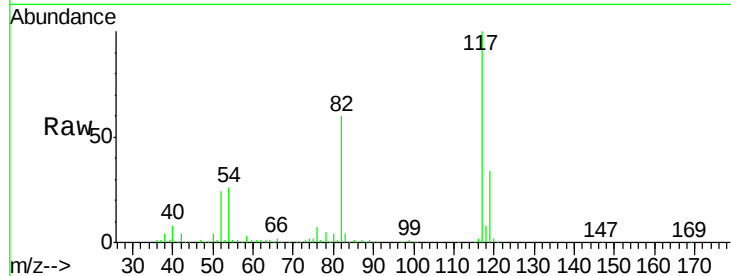




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015689.D
Acq: 24 Jun 2020 17:58

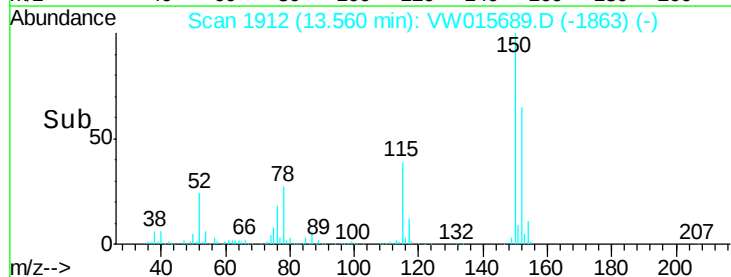
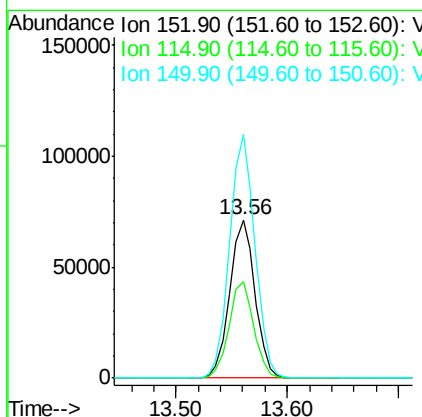
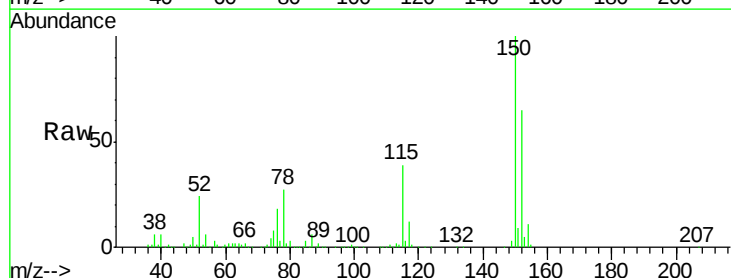
Instrument :
MSVOA_W
ClientSampleId :
SB-18

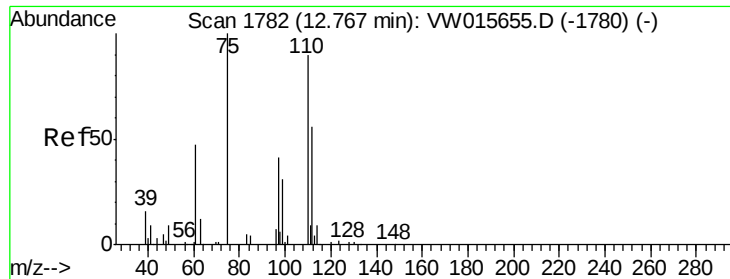
Tgt Ion:117 Resp: 248225
Ion Ratio Lower Upper
117 100
82 59.7 45.1 67.7
119 33.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015689.D
Acq: 24 Jun 2020 17:58

Tgt Ion:152 Resp: 111679
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 154.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 62.399 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Instrument :

MSVOA_W

ClientSampled :

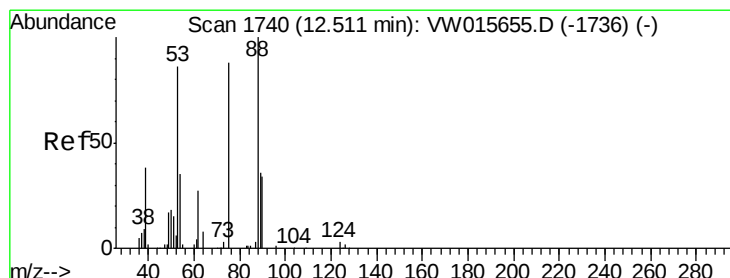
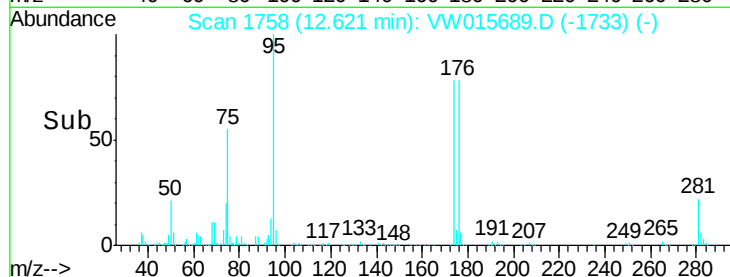
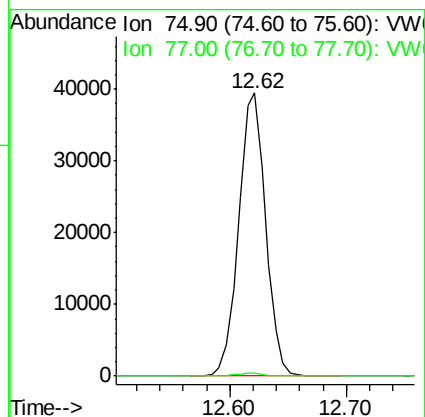
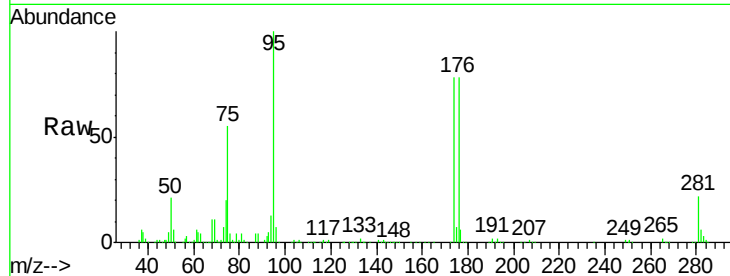
SB-18

Tgt Ion: 75 Resp: 63565

Ion Ratio Lower Upper

75 100

77 1.1 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.248 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015689.D

Acq: 24 Jun 2020 17:58

Tgt Ion: 75 Resp: 63565

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.5 36.6 55.0#

