

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015745.D
 Acq On : 26 Jun 2020 14:34
 Operator : SY/VA
 Sample : L3136-02
 Misc : 8.32G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 27 01:50:43 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	173933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	292180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127051	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	117288	60.61	ug/l	0.00
Spiked Amount			Recovery	=	121.22%	
35) Dibromofluoromethane	7.89	113	92297	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.33	98	361489	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	131440	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

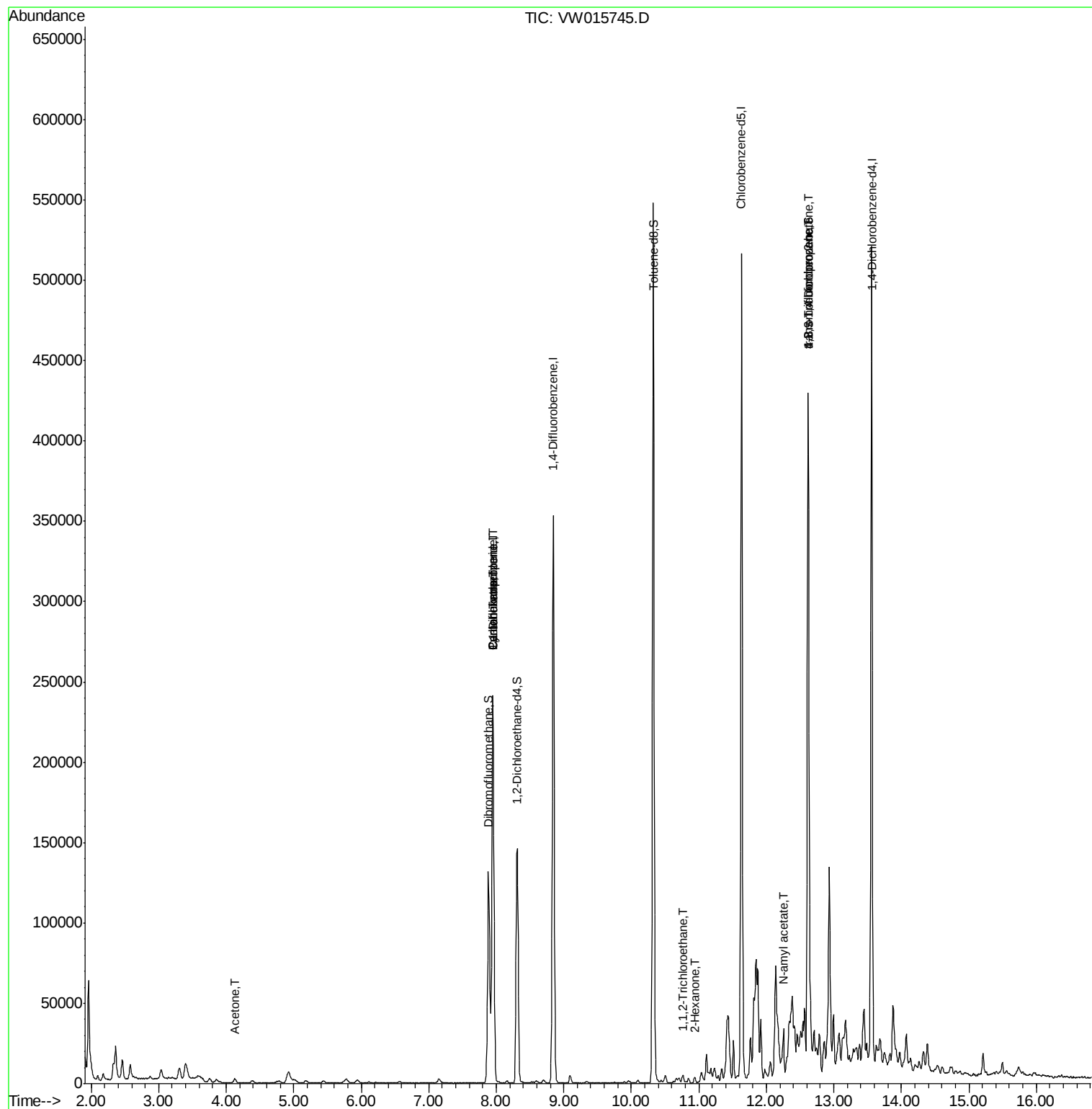
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	2412	Below Cal	#	82
16) Acetone	4.13	43	4803	13.055	ug/l	100
18) Methyl Acetate	4.68	43	479	Below Cal	#	52
20) Methylene Chloride	4.92	84	5845	Below Cal		97
31) Cyclohexane	7.95	56	4467	1.340	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	14133	4.651	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17681	6.002	ug/l #	18
55) 1,1,2-Trichloroethane	10.76	97	1773	1.220	ug/l #	22
59) 2-Hexanone	10.93	43	1508	1.984	ug/l #	25
74) N-amyl acetate	12.26	43	6769	3.295	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	71096	61.348	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	71096	154.599	ug/l #	8

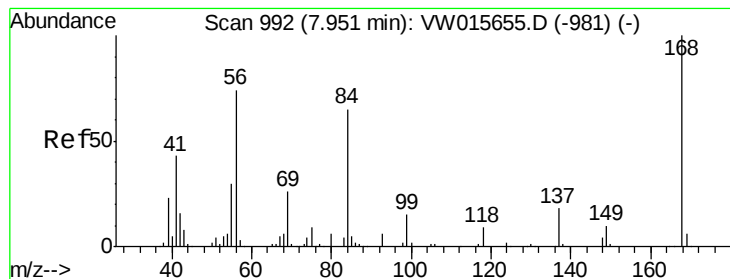
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 23 13:20:19 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: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

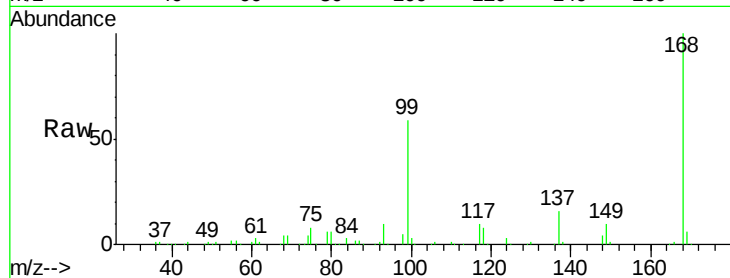
ClientSampled :

Tot Ion:168 Resp: 173933

Ion Ratio Lower Upper

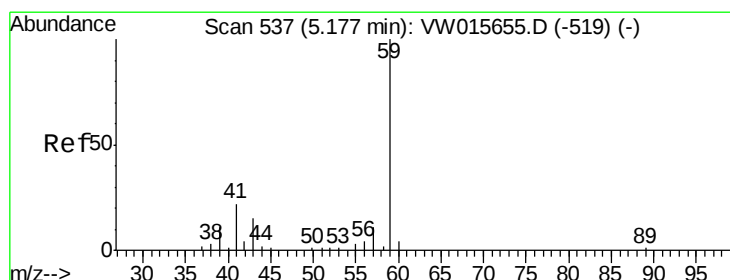
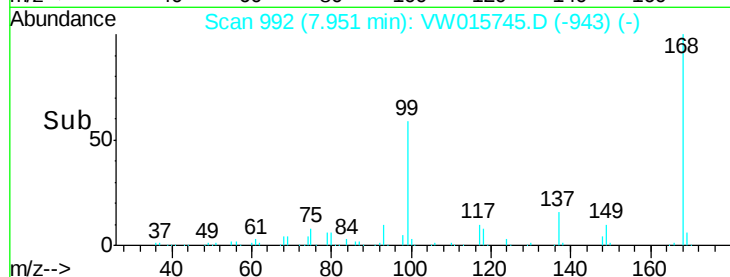
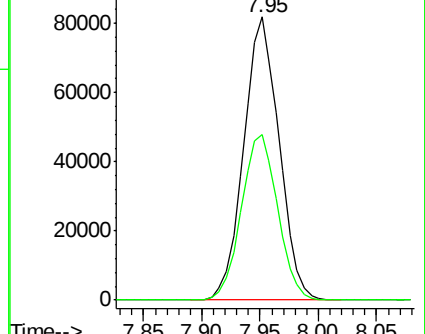
168 100

99 58.6 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: 5.18 min Scan# 537

Delta R.T. 0.00 min

Lab File: VW015745.D

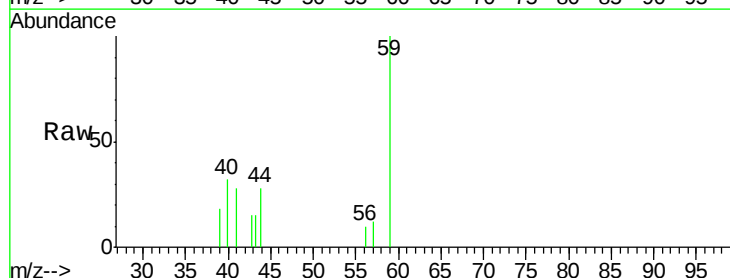
Acq: 26 Jun 2020 14:34

Tgt Ion: 59 Resp: 2412

Ion Ratio Lower Upper

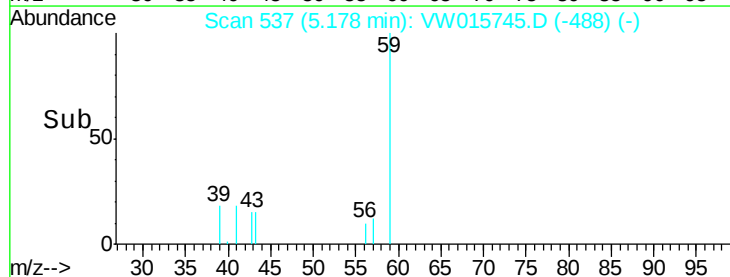
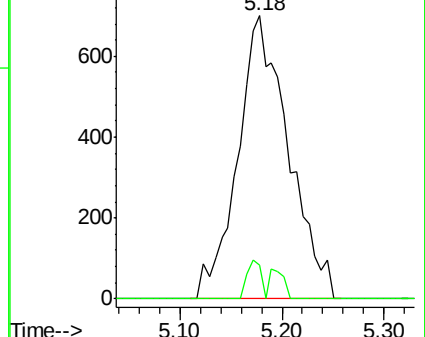
59 100

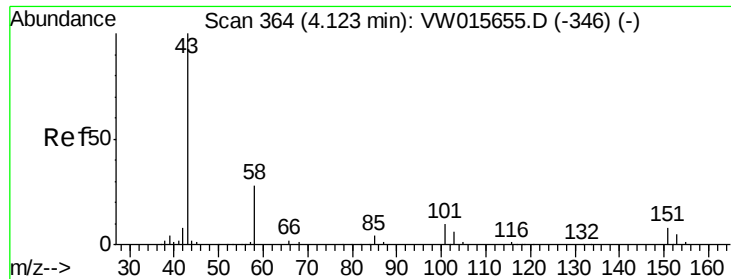
57 3.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 13.055 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

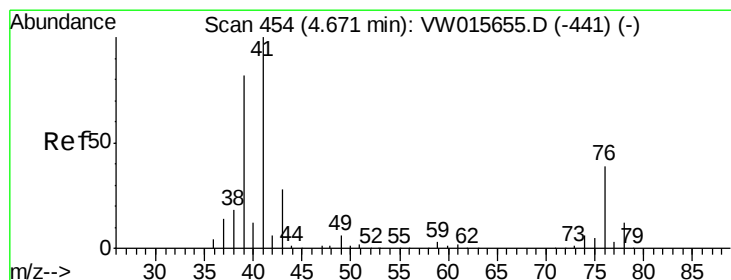
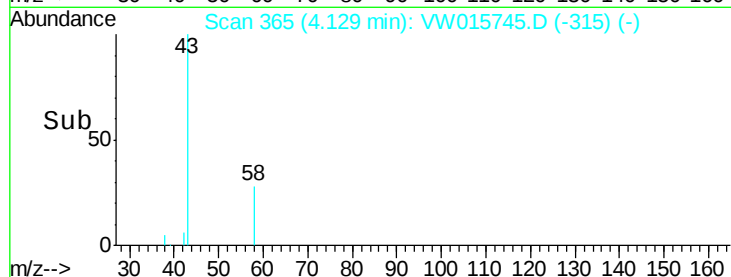
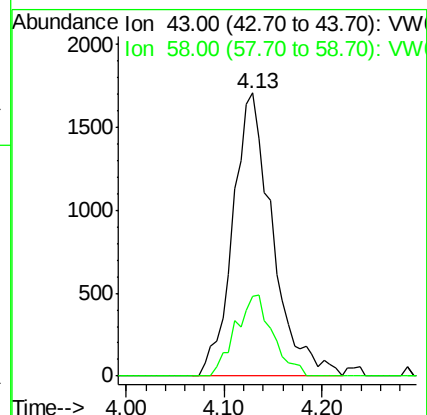
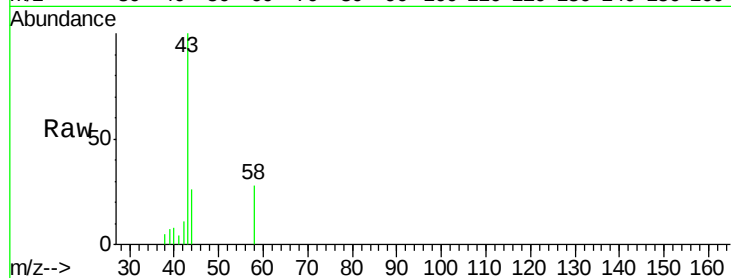
ClientSampleId :

Tot Ion: 43 Resp: 4803

Ion Ratio Lower Upper

43 100

58 28.1 22.6 33.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015745.D

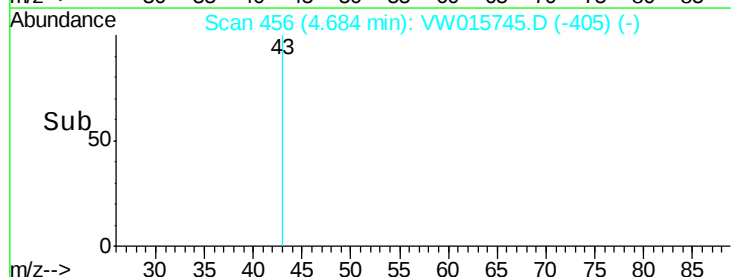
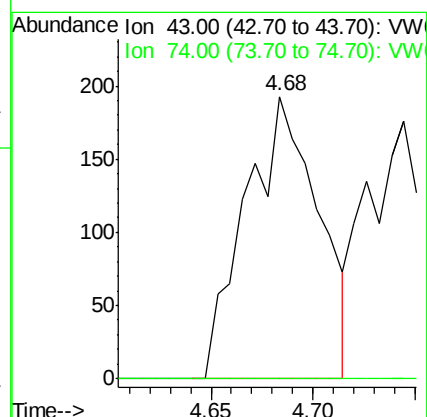
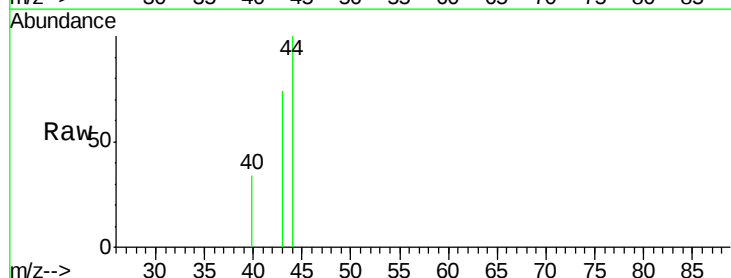
Acq: 26 Jun 2020 14:34

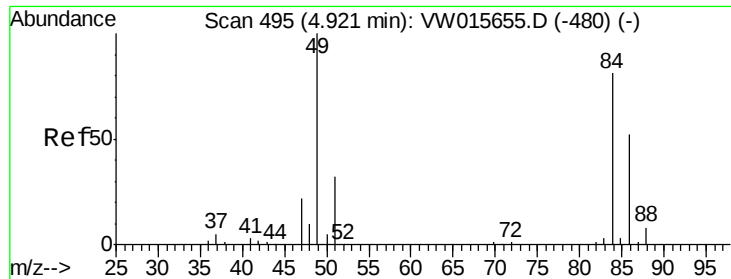
Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

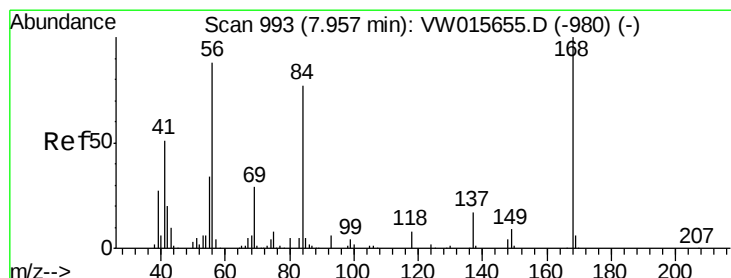
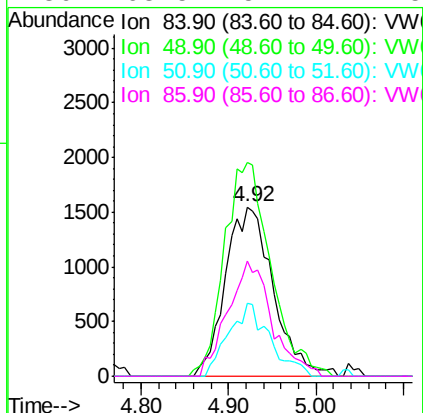
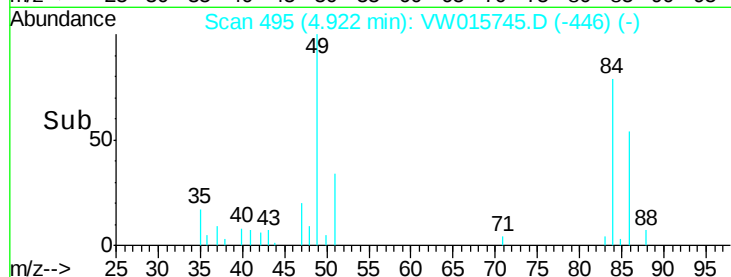
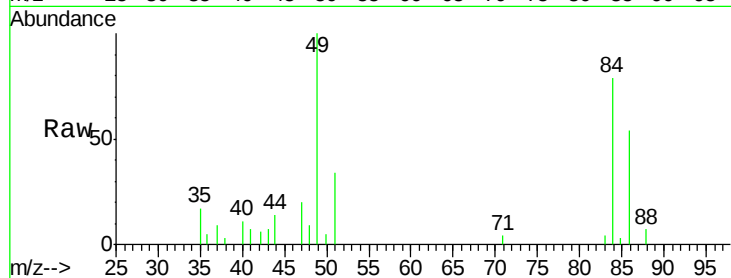




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

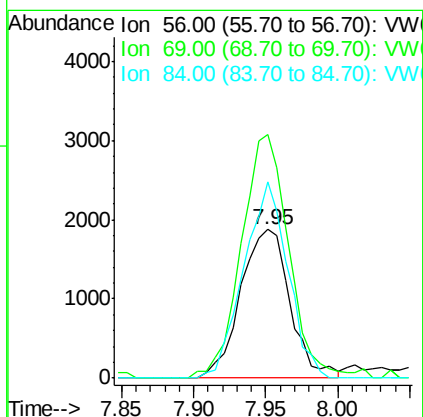
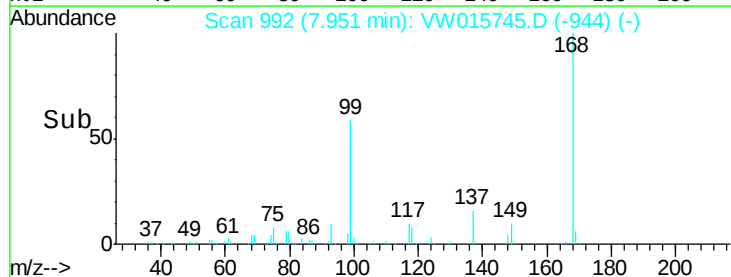
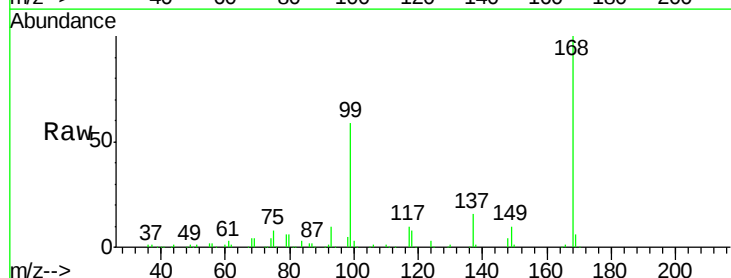
Instrument :
MSVOA_W
ClientSampleId :

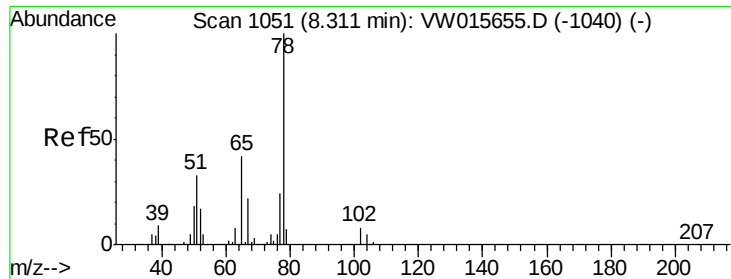
Tot Ion: 84 Resp: 5845
Ion Ratio Lower Upper
84 100
49 126.3 99.3 148.9
51 42.8 31.8 47.6
86 68.5 51.7 77.5



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

Tgt Ion: 56 Resp: 4467
Ion Ratio Lower Upper
56 100
69 164.0 26.2 39.4#
84 132.5 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 60.606 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

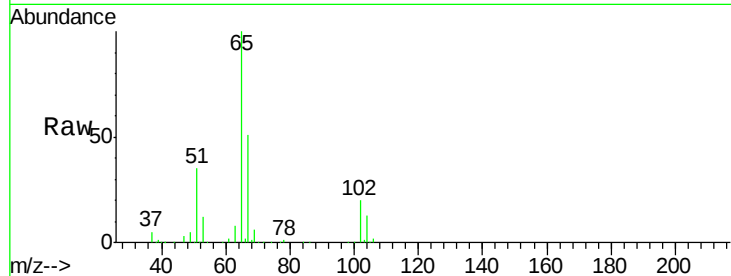
ClientSampled :

Tot Ion: 65 Resp: 117288

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

50000

40000

30000

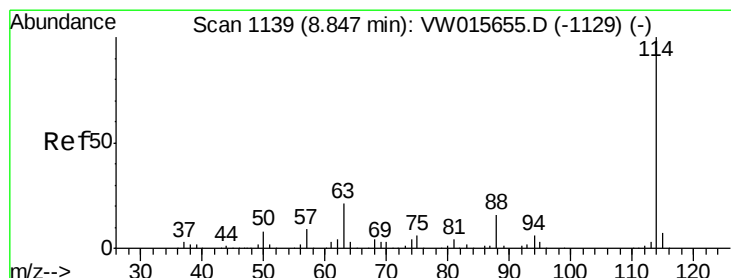
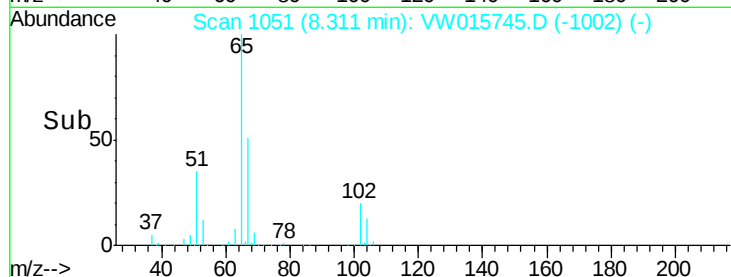
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

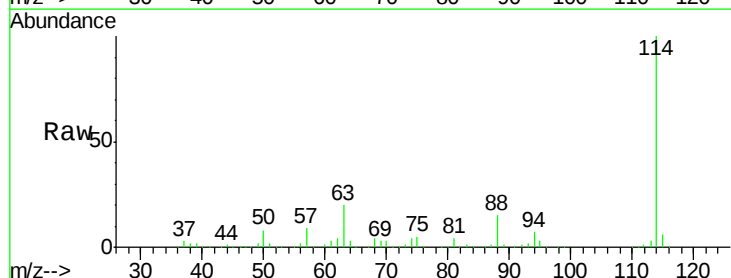
Tgt Ion: 114 Resp: 292180

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.8 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

8.85

200000

150000

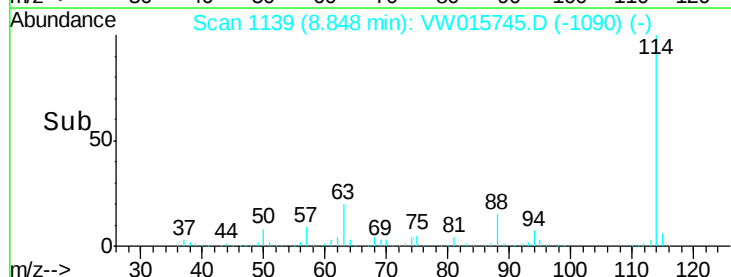
100000

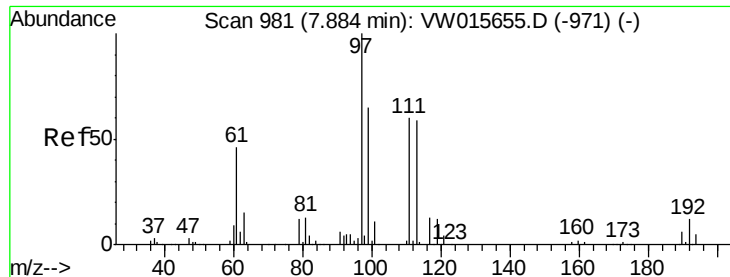
50000

0

8.80 8.90

Time-->

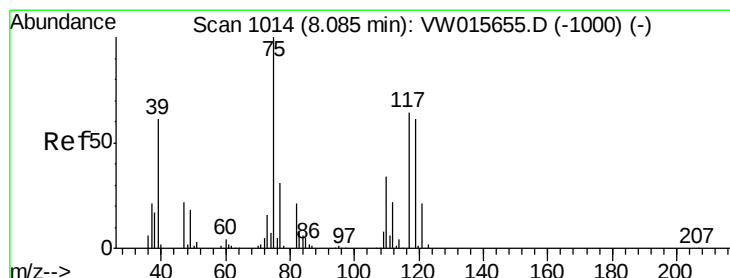
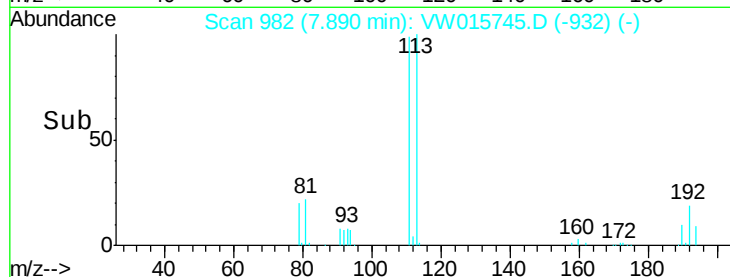
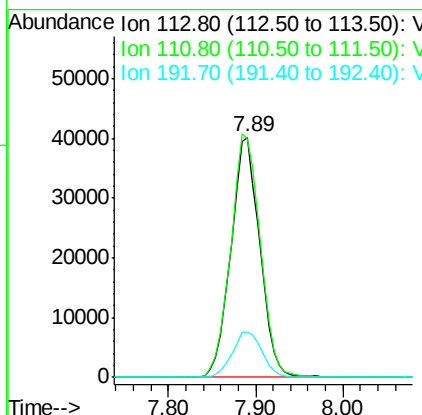
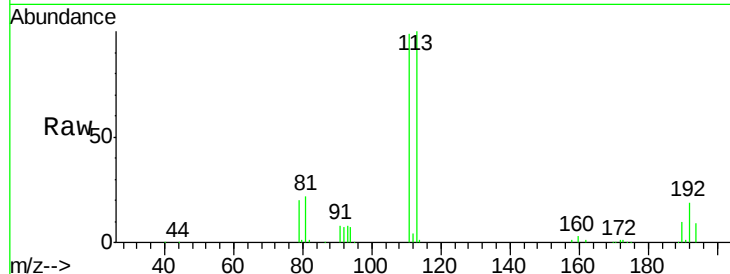




#35
 Dibromofluoromethane
 Concen: 50.219 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015745.D
 Acq: 26 Jun 2020 14:34

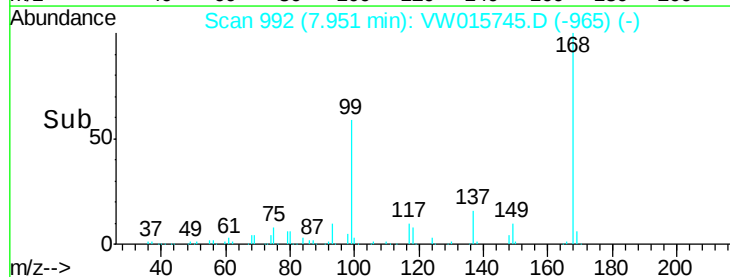
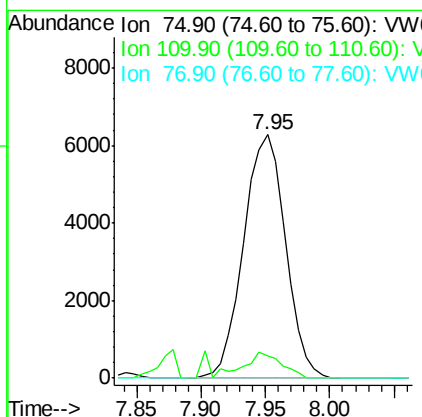
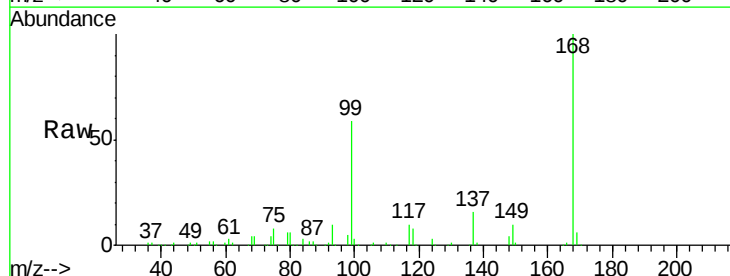
Instrument :
 MSVOA_W
 ClientSampleId :

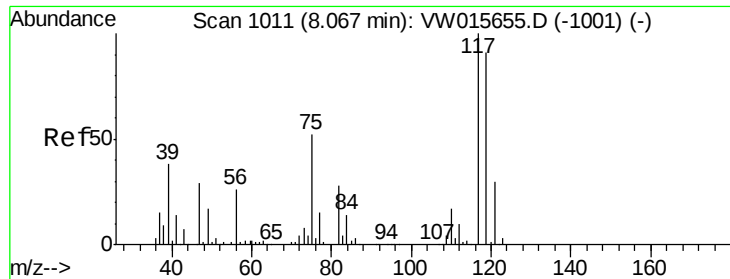
Tot Ion:113 Resp: 92297
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.3 123.5
 192 19.7 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.651 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015745.D
 Acq: 26 Jun 2020 14:34

Tgt Ion: 75 Resp: 14133
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 51.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.002 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

ClientSampled :

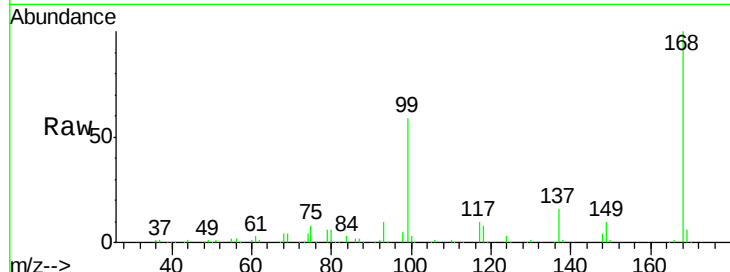
Tot Ion:117 Resp: 17681

Ion Ratio Lower Upper

117 100

119 4.6 73.2 109.8#

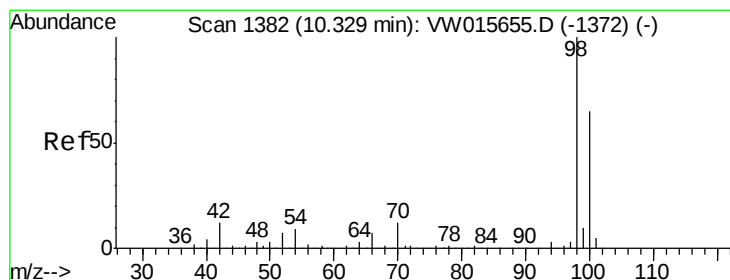
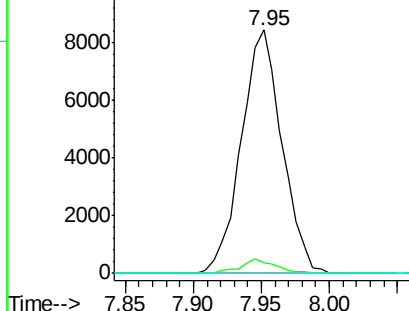
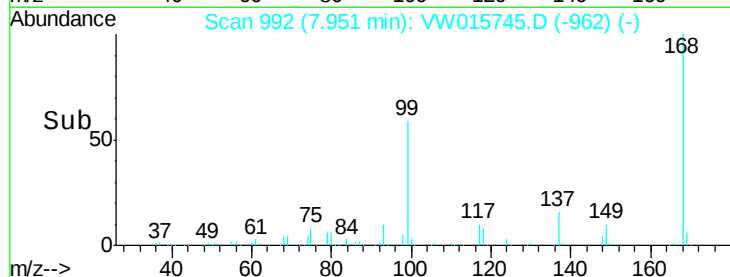
121 0.0 23.9 35.9#



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: 49.979 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW015745.D

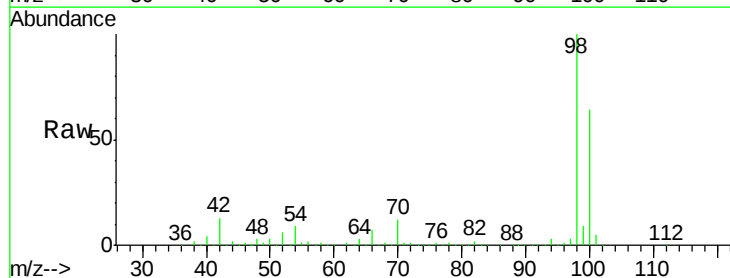
Acq: 26 Jun 2020 14:34

Tgt Ion: 98 Resp: 361489

Ion Ratio Lower Upper

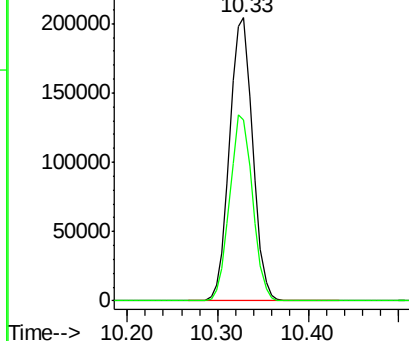
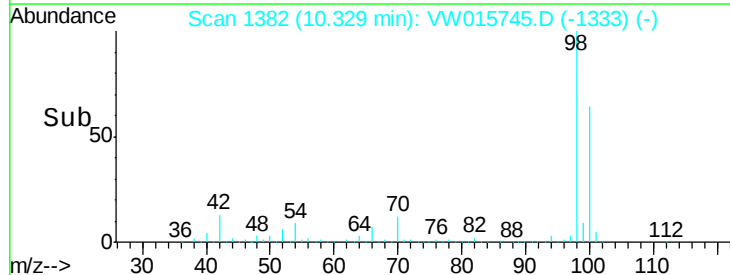
98 100

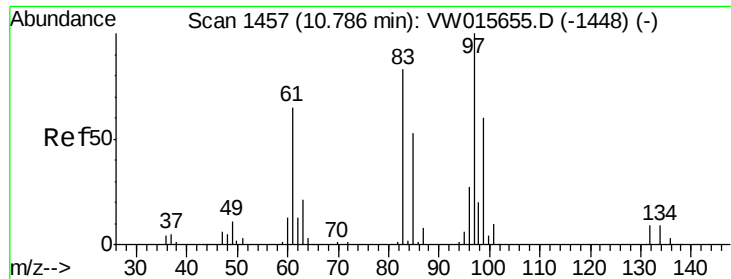
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

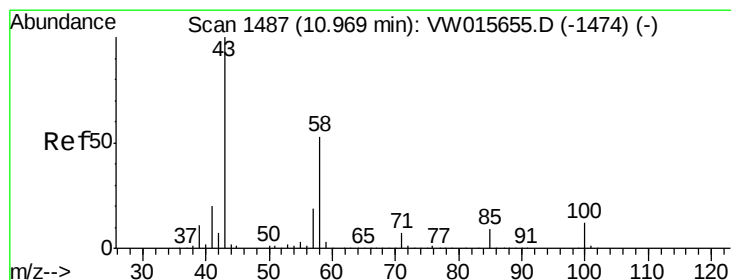
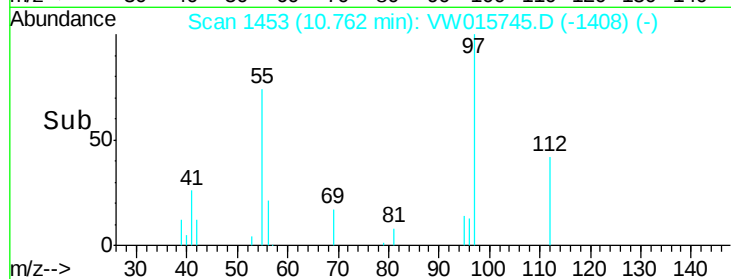
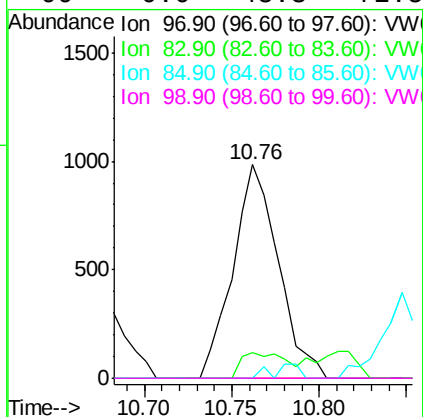
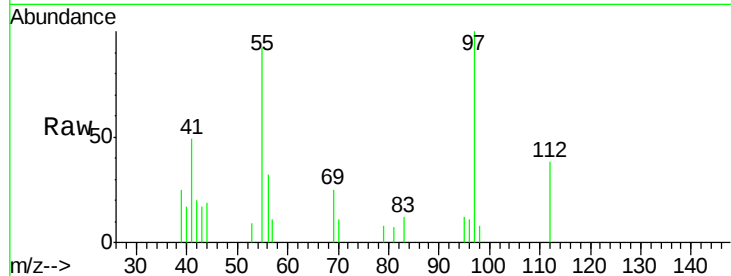




#55
1,1,2-Trichloroethane
Concen: 1.220 ug/l
RT: 10.76 min Scan# 1453
Delta R.T. -0.02 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

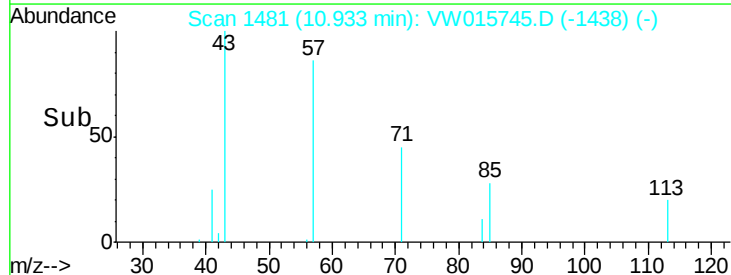
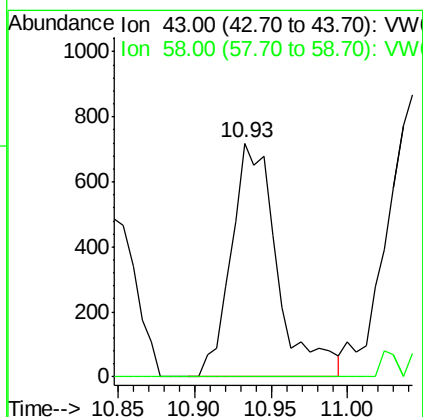
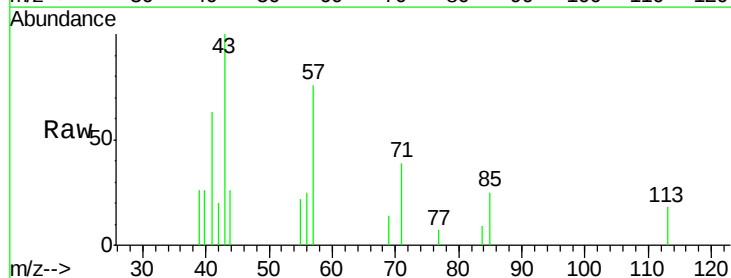
Instrument :
MSVOA_W
ClientSampled :

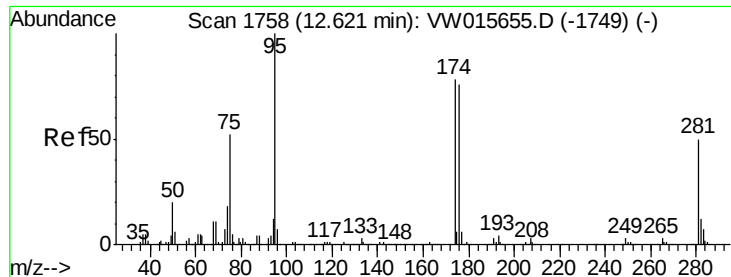
Tot Ion: 97 Resp: 1773
Ion Ratio Lower Upper
97 100
83 12.1 66.3 99.5#
85 0.0 42.5 63.7#
99 0.0 48.3 72.5#



#59
2-Hexanone
Concen: 1.984 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#

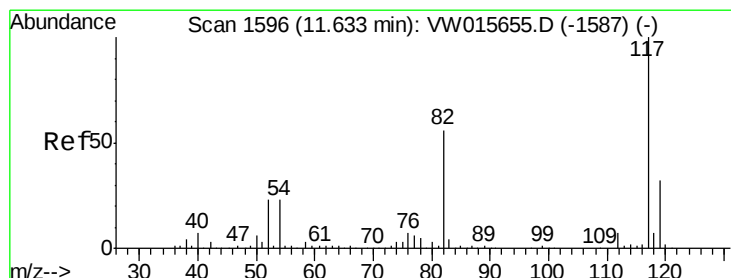
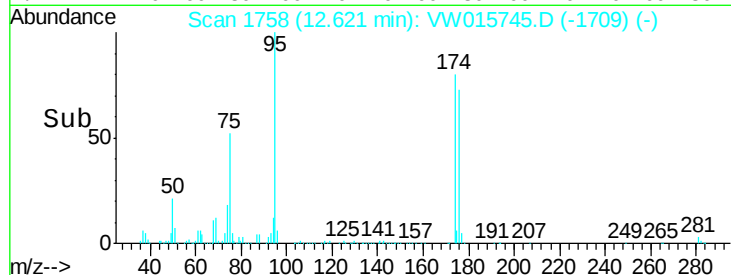
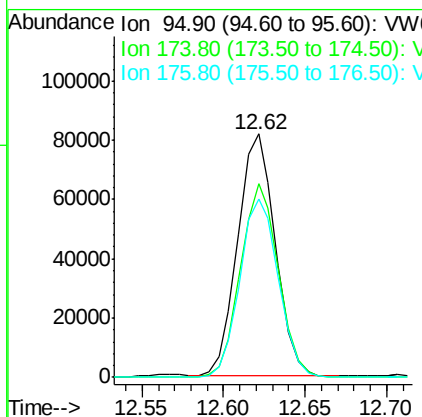
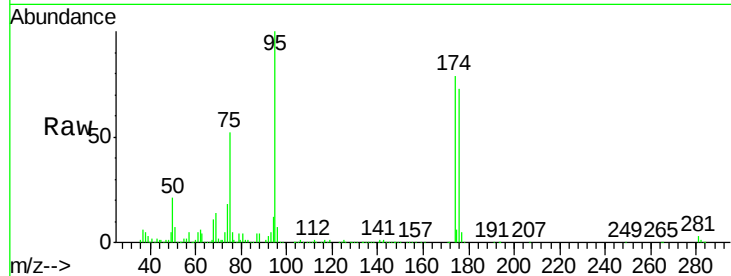




#62
4-Bromofluorobenzene
Concen: 49.345 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

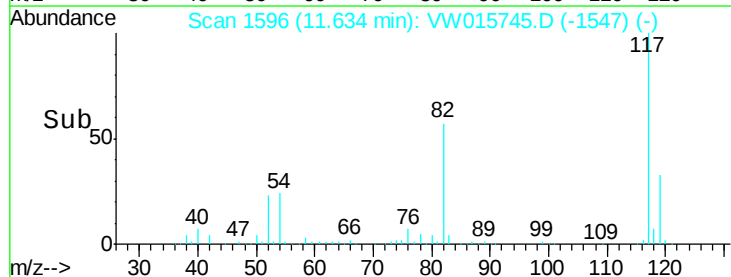
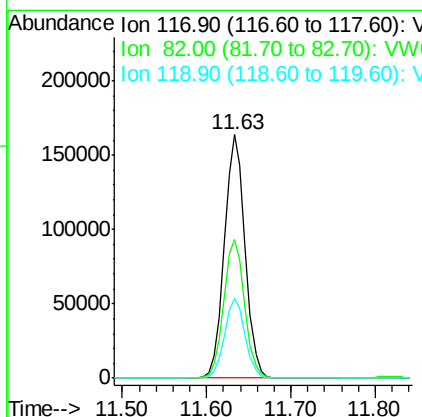
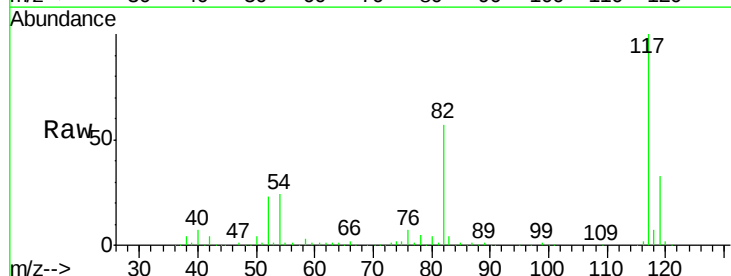
Instrument :
MSVOA_W
ClientSampled :

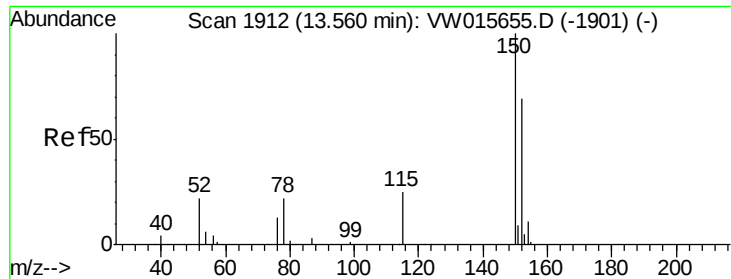
Tot Ion: 95 Resp: 131440
Ion Ratio Lower Upper
95 100
174 80.3 0.0 157.0
176 75.3 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015745.D
Acq: 26 Jun 2020 14:34

Tgt Ion: 117 Resp: 275338
Ion Ratio Lower Upper
117 100
82 56.8 45.1 67.7
119 32.8 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: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

ClientSampleId :

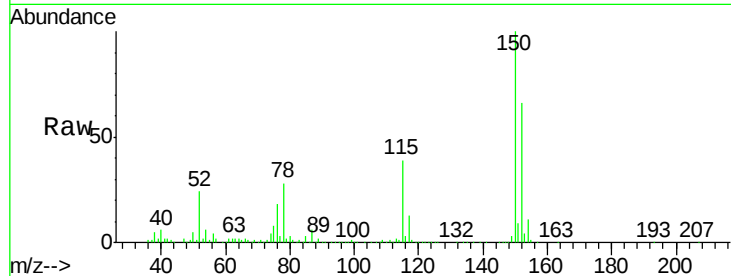
Tot Ion:152 Resp: 127051

Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.5

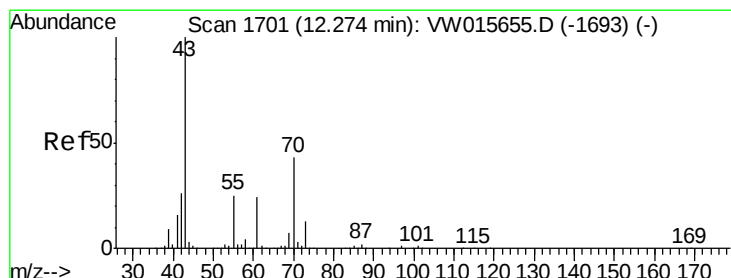
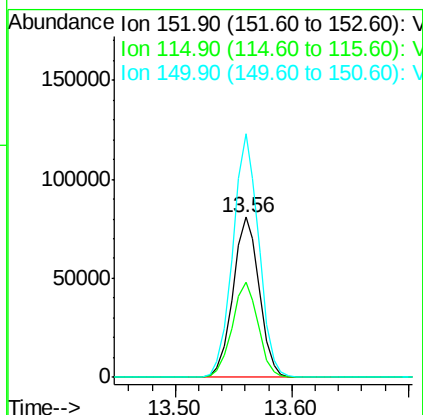
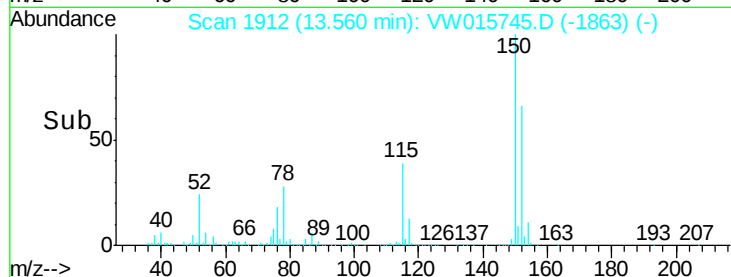
150 149.8 0.0 345.6



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



#74

N-ethyl acetate

Concen: 3.295 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Tgt Ion: 43 Resp: 6769

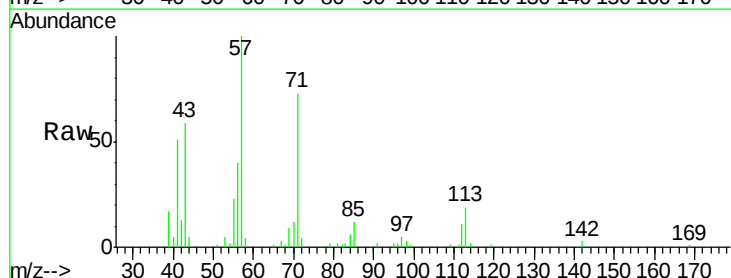
Ion Ratio Lower Upper

43 100

70 23.5 33.6 50.4#

55 0.0 19.7 29.5#

61 0.0 18.7 28.1#

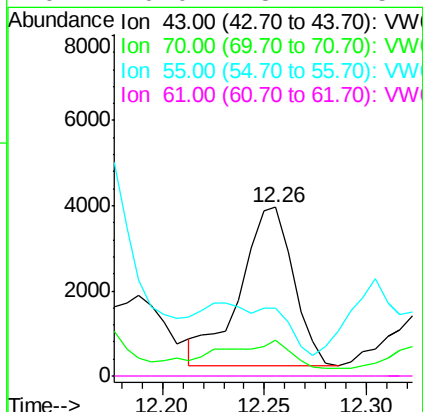
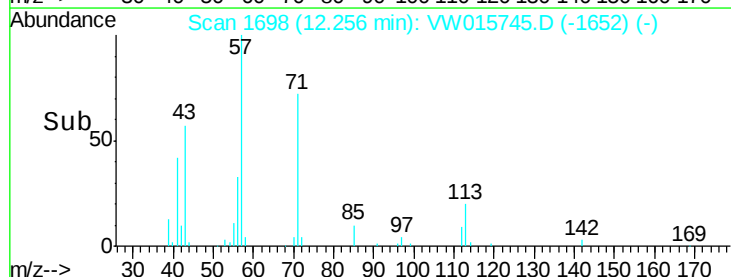


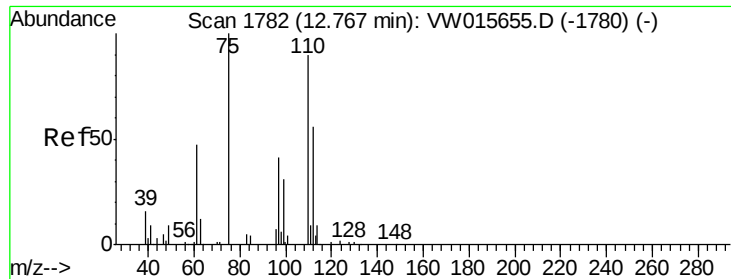
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 61.348 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Instrument :

MSVOA_W

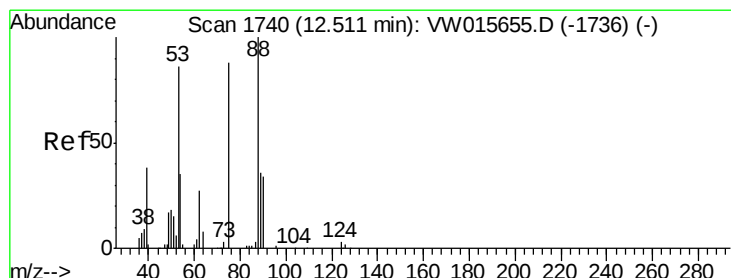
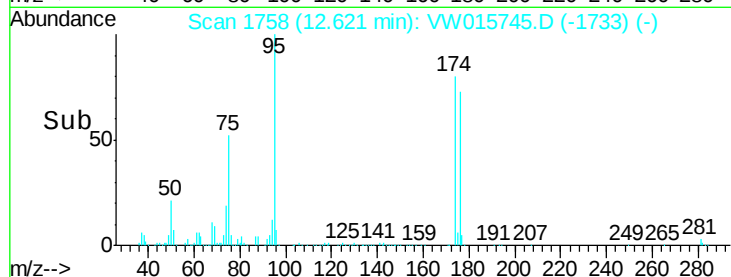
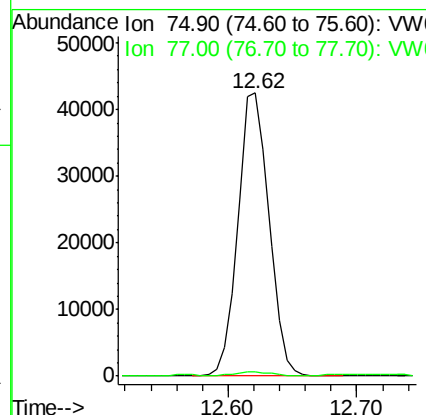
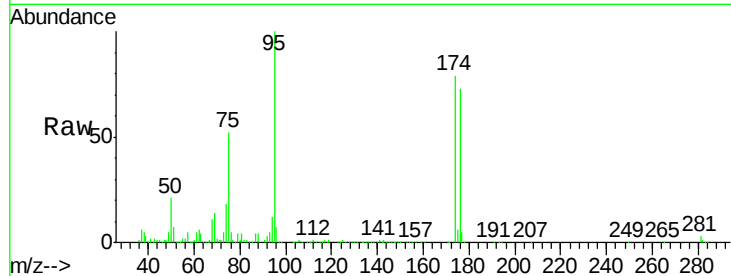
ClientSampleId :

Tot Ion: 75 Resp: 71096

Ion Ratio Lower Upper

75 100

77 1.2 179.1 537.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.599 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015745.D

Acq: 26 Jun 2020 14:34

Tgt Ion: 75 Resp: 71096

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

89 0.0 36.6 55.0#

