

Data File : VW015312.D
Acq On : 22 Apr 2020 16:55
Operator : SY/VA
Sample : L2360-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GREENWALL

Quant Time: Apr 23 07:04:27 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	207792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	289088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	110435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	75783	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
35) Dibromofluoromethane	7.88	113	81392	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.32	98	343896	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	109655	42.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.32%	

Target Compounds

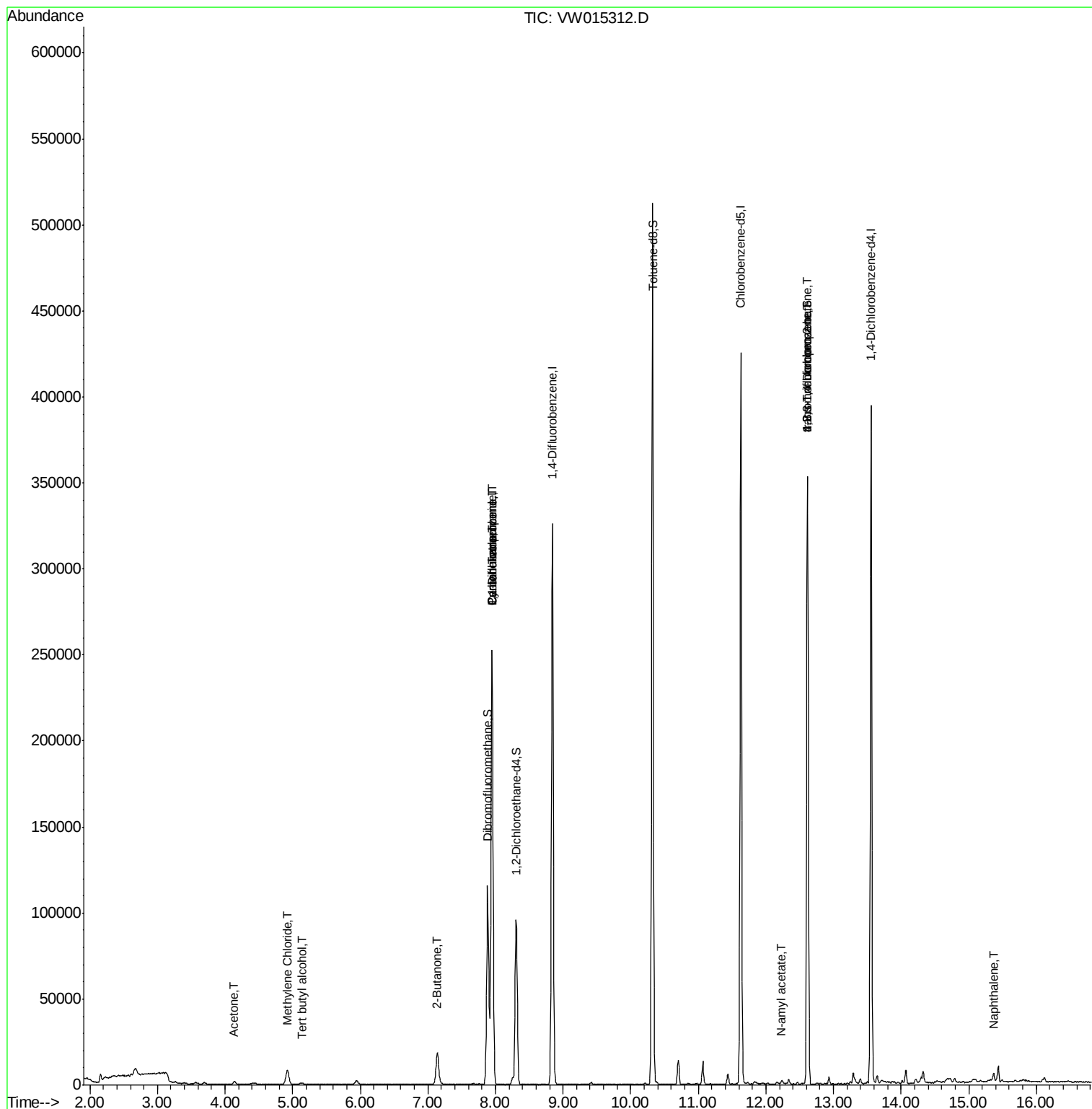
						Qvalue
11) Tert butyl alcohol	5.14	59	1015	7.328	ug/l #	72
16) Acetone	4.14	43	3161	10.651	ug/l	95
20) Methylene Chloride	4.93	84	7141	3.671	ug/l #	83
25) 2-Butanone	7.13	43	663	1.684	ug/l #	48
31) Cyclohexane	7.95	56	3998	1.272	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13444	5.153	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18525	6.497	ug/l #	18
74) N-amyl acetate	12.23	43	1430	1.073	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	55071	64.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55071	140.912	ug/l #	15
95) Naphthalene	15.37	128	4957	1.460	ug/l	98

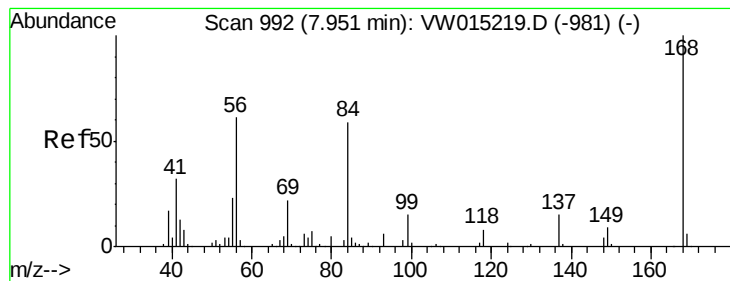
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

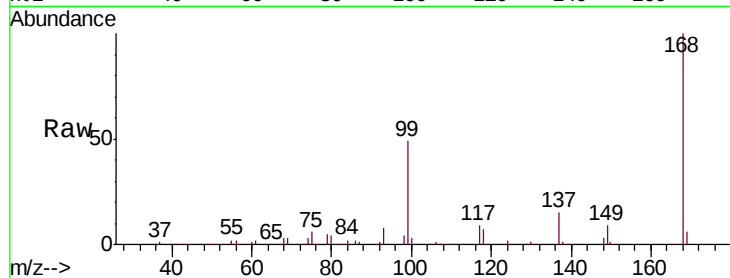
Instrument :
MSVOA_W
ClientSampled :
GREENWALL

Tgt Ion: 168 Resp: 207792

Ion Ratio Lower Upper

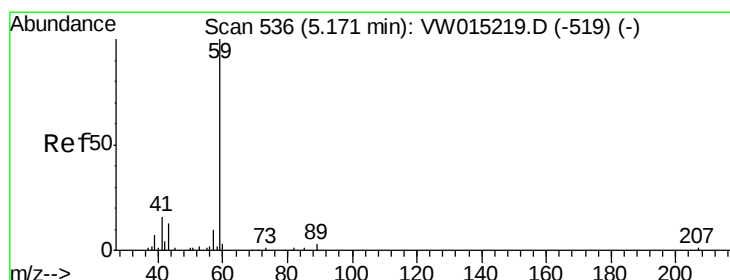
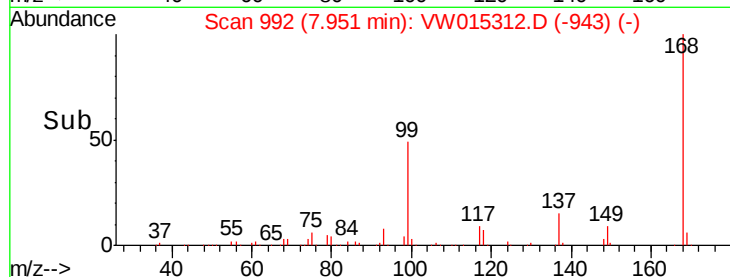
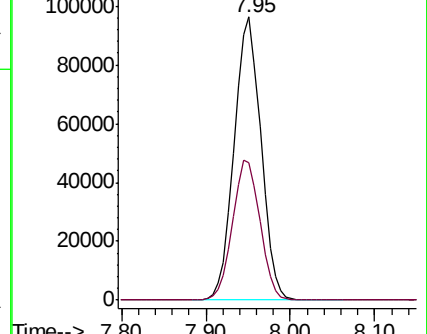
168 100

99 48.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 7.328 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW015312.D

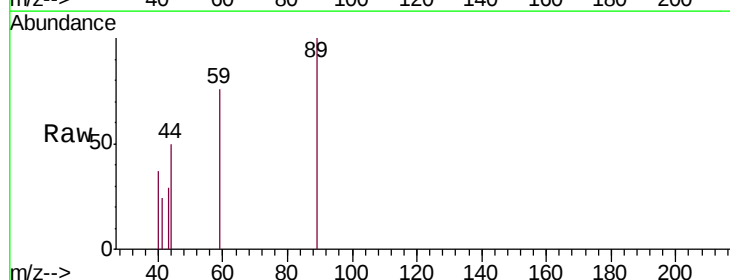
Acq: 22 Apr 2020 16:55

Tgt Ion: 59 Resp: 1015

Ion Ratio Lower Upper

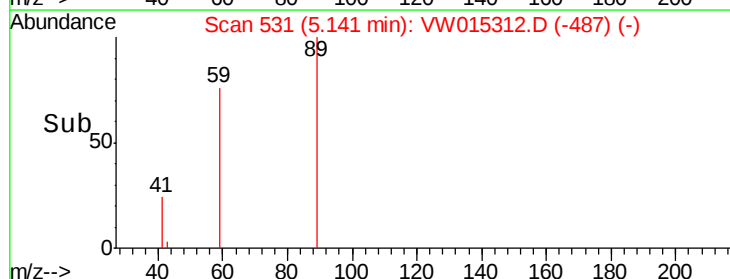
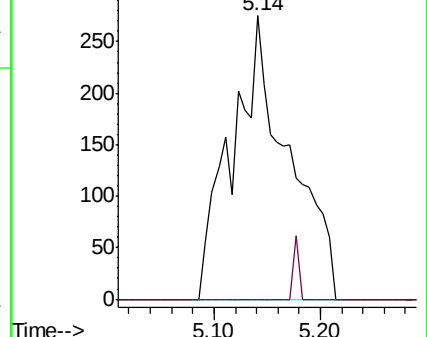
59 100

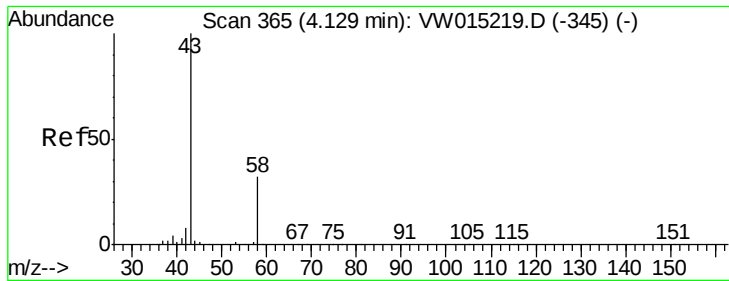
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

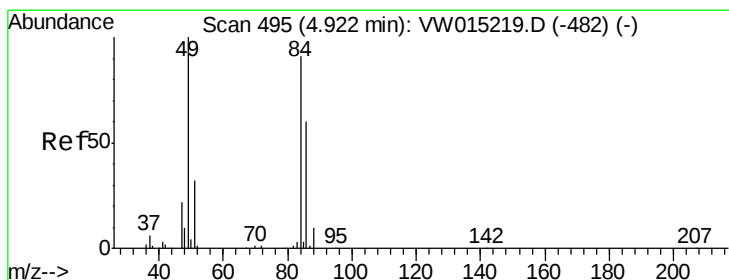
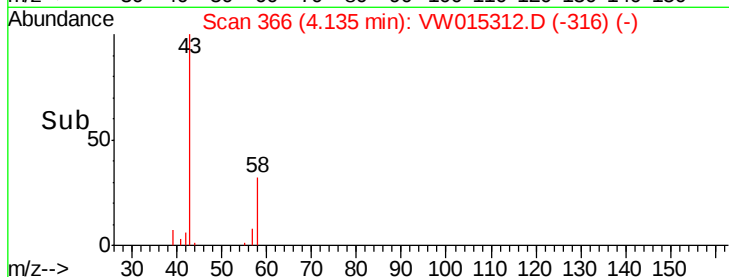
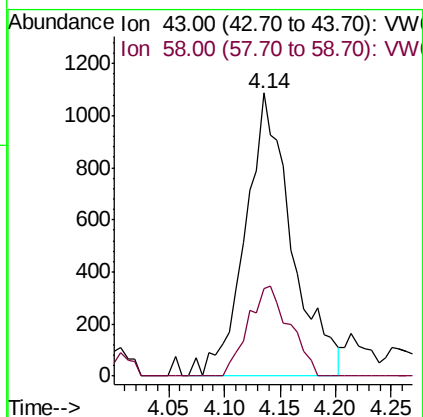
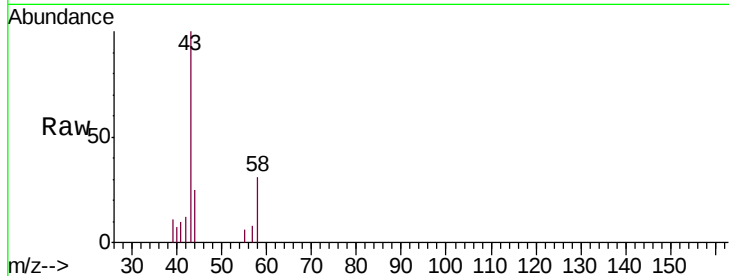




#16
Acetone
Concen: 10.651 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

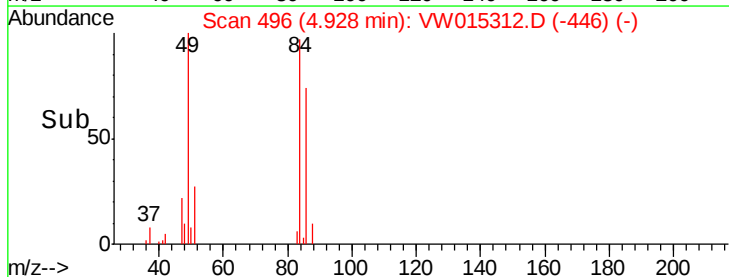
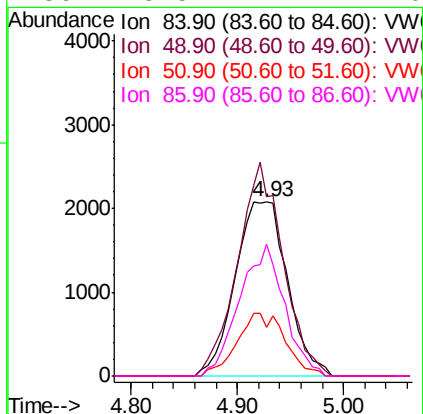
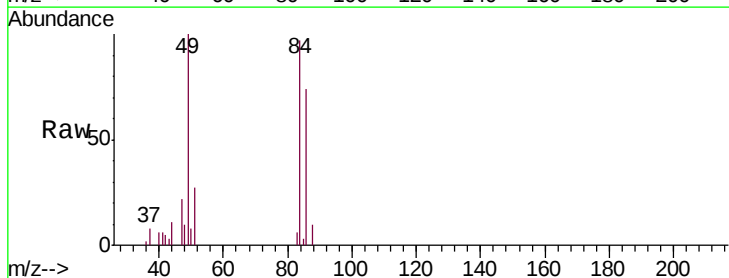
Instrument :
MSVOA_W
ClientSampleId :
GREENWALL

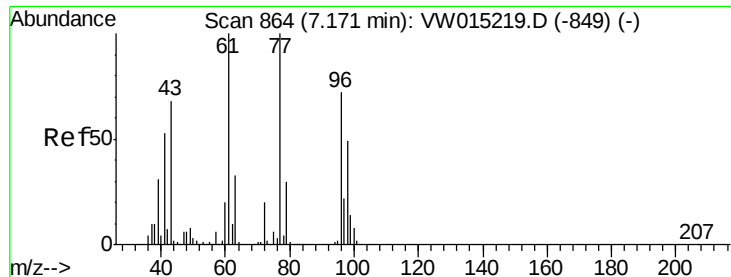
Tgt Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
58 30.9 27.0 40.4



#20
Methylene Chloride
Concen: 3.671 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Tgt Ion: 84 Resp: 7141
Ion Ratio Lower Upper
84 100
49 102.6 95.4 143.0
51 28.0 29.8 44.8#
86 75.5 47.4 71.0#





#25

2-Butanone

Concen: 1.684 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

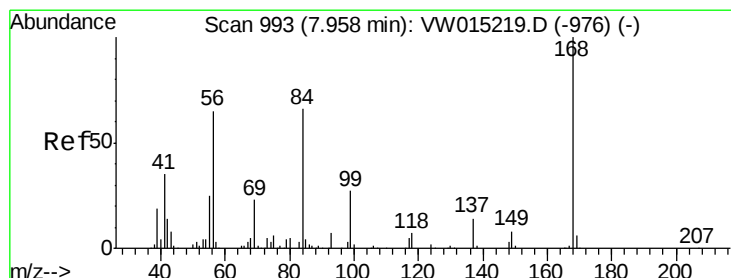
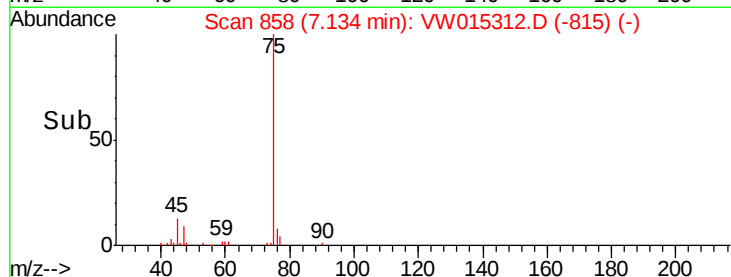
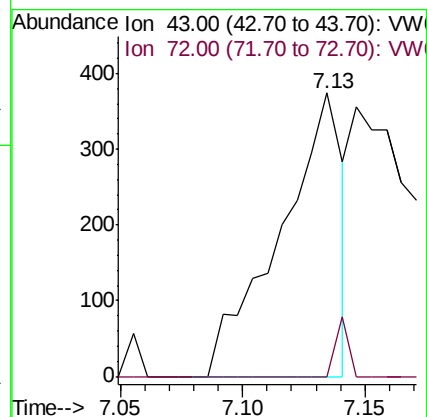
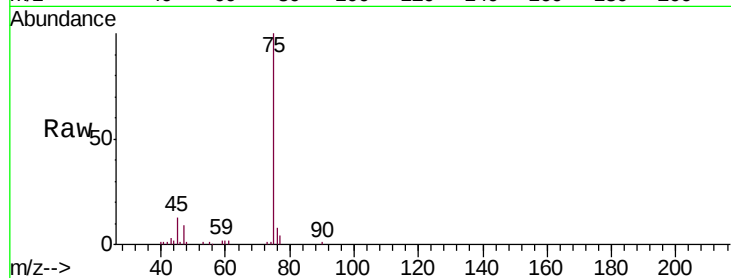
GREENWALL

Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

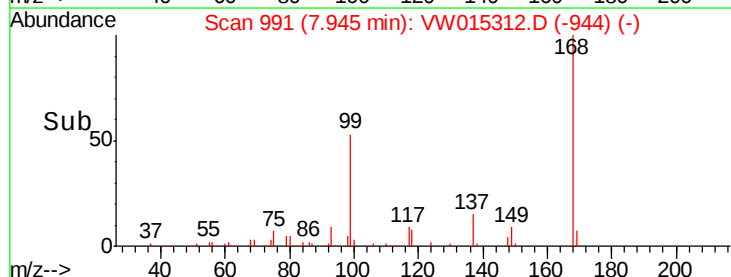
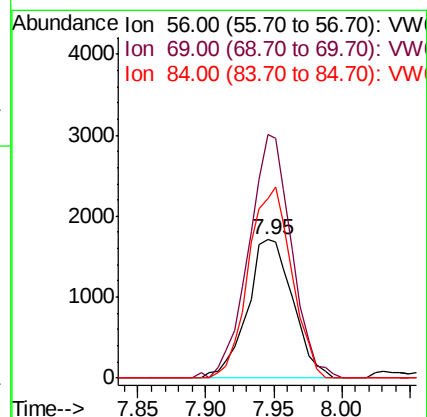
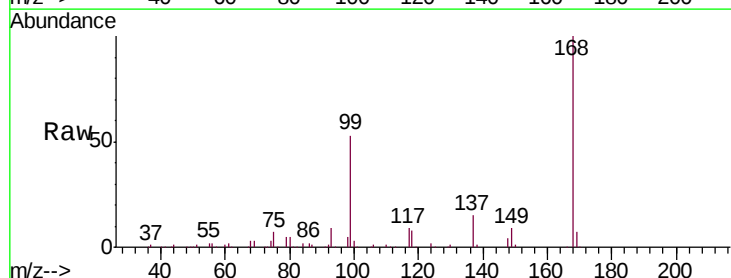
Tgt Ion: 56 Resp: 3998

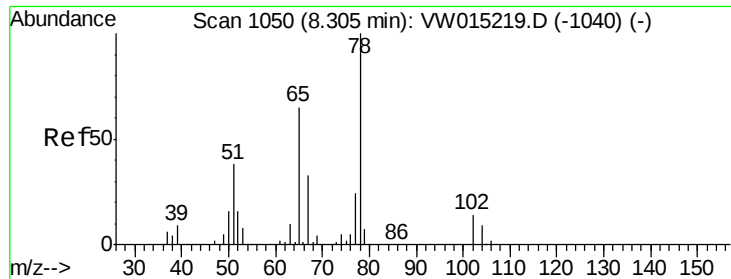
Ion Ratio Lower Upper

56 100

69 176.4 27.1 40.7#

84 129.9 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 44.599 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

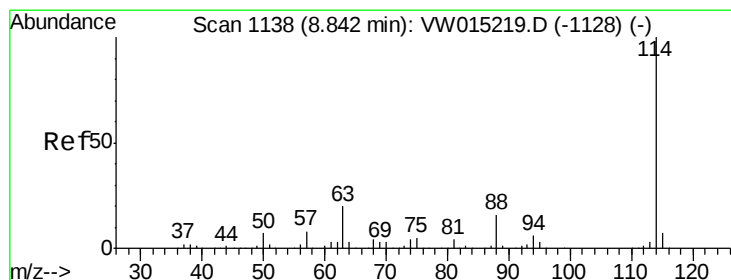
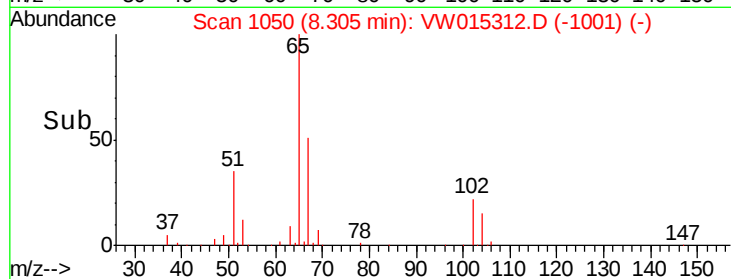
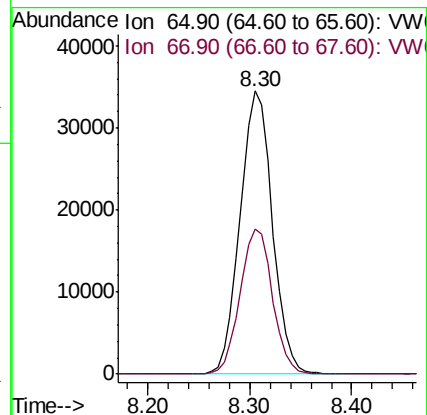
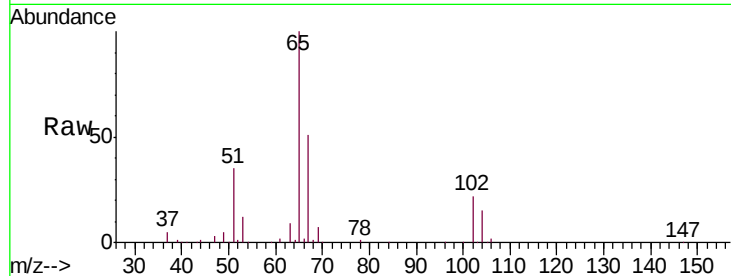
GREENWALL

Tgt Ion: 65 Resp: 75783

Ion Ratio Lower Upper

65 100

67 51.5 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: VW015312.D

Acq: 22 Apr 2020 16:55

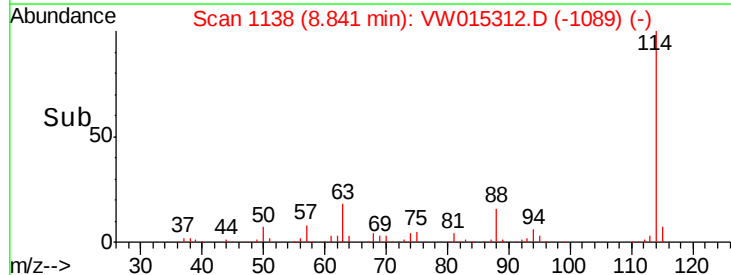
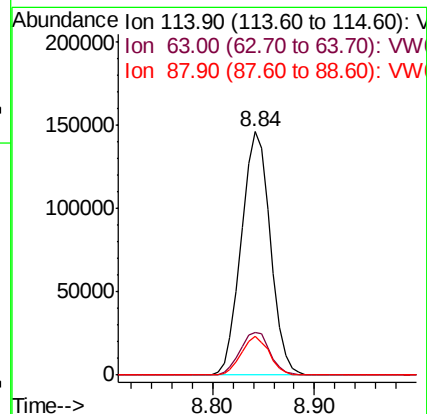
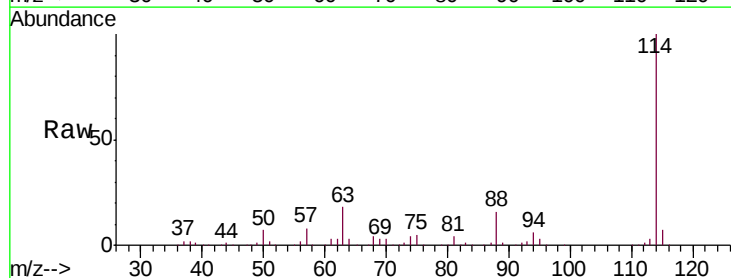
Tgt Ion: 114 Resp: 289088

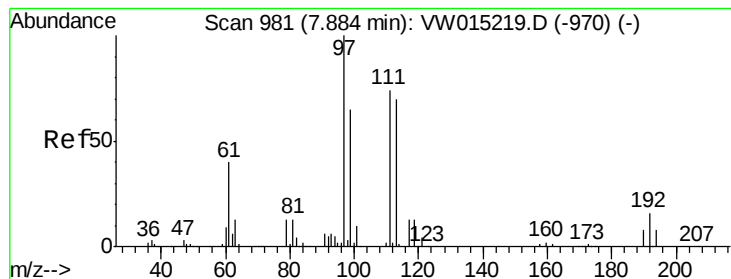
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.8

88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.828 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

GREENWALL

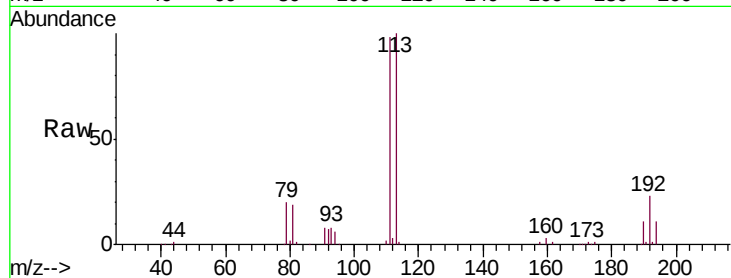
Tgt Ion:113 Resp: 81392

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

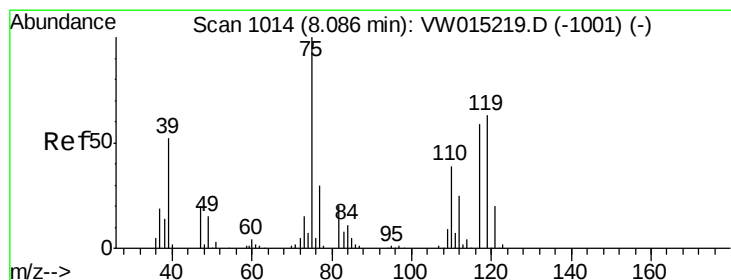
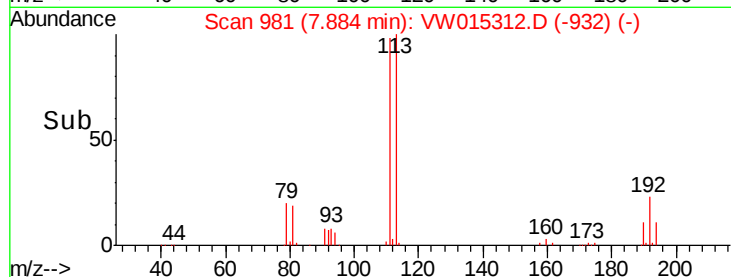
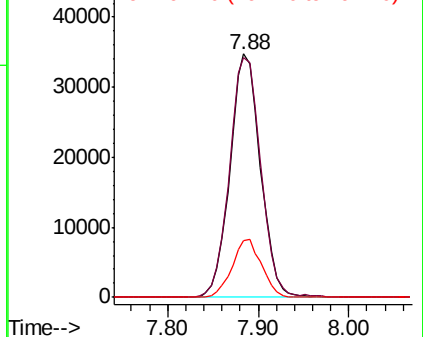
192 23.2 15.1 22.7#



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: 5.153 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

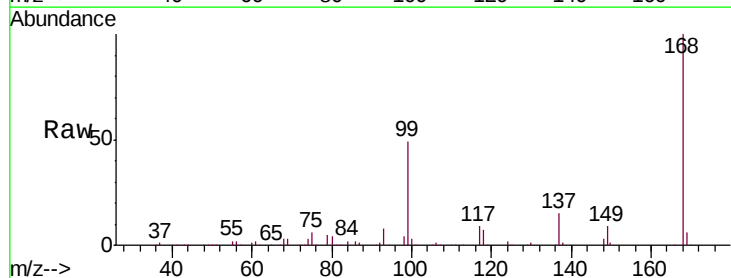
Tgt Ion: 75 Resp: 13444

Ion Ratio Lower Upper

75 100

110 9.9 18.2 54.6#

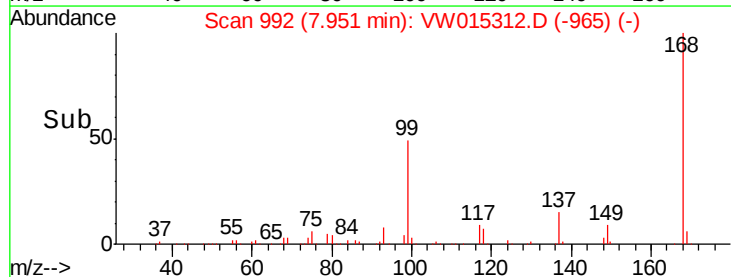
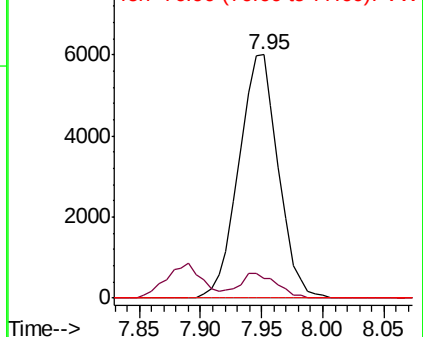
77 0.0 24.5 36.7#

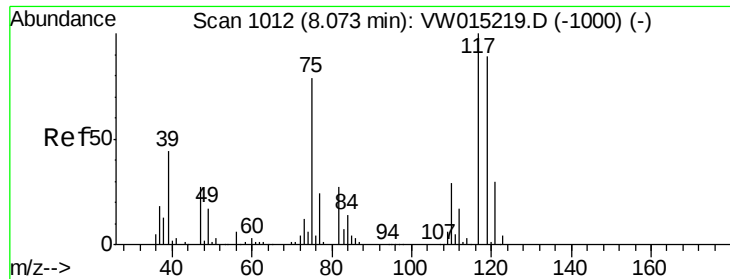


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

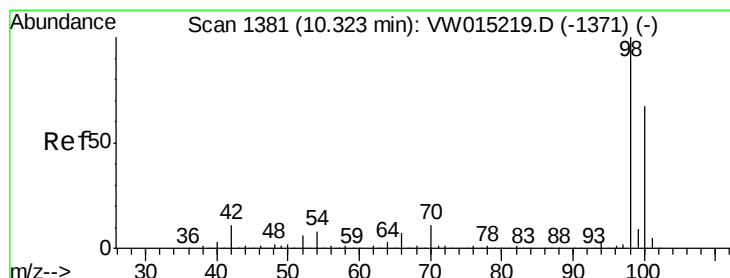
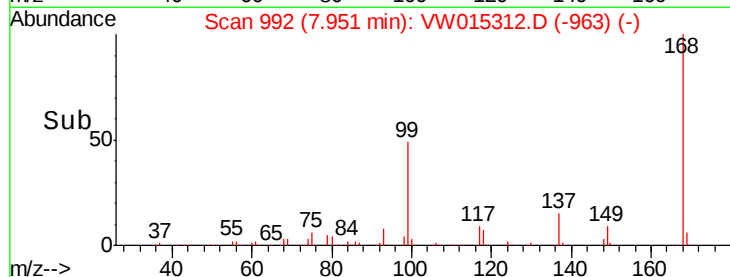
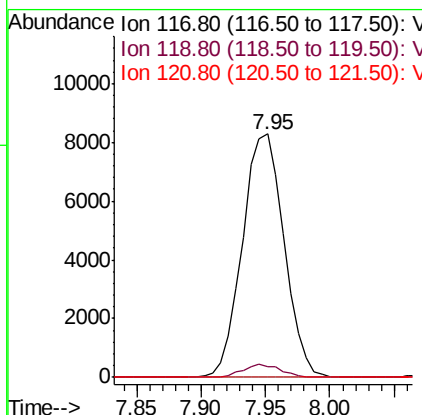
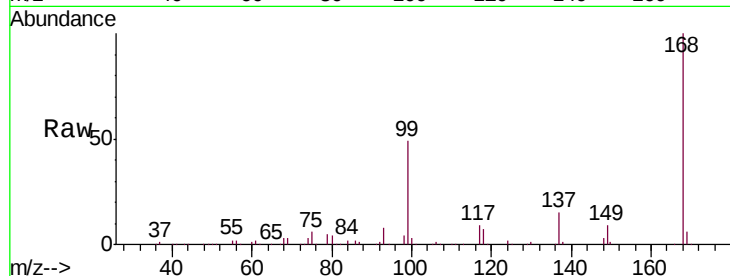




#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

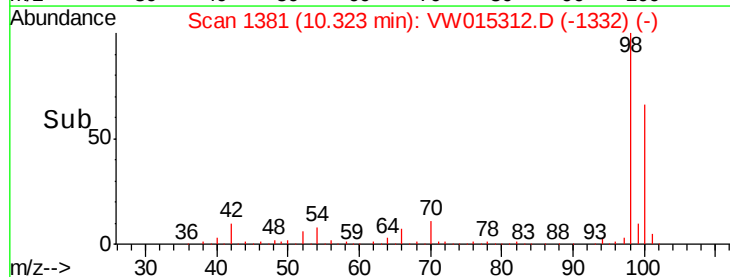
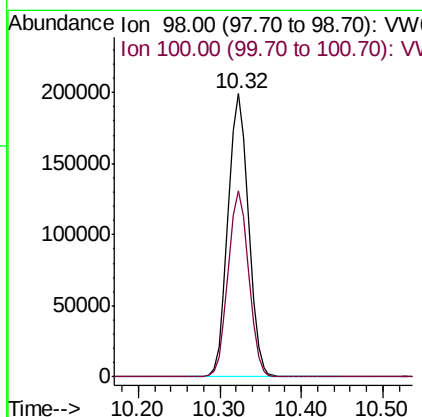
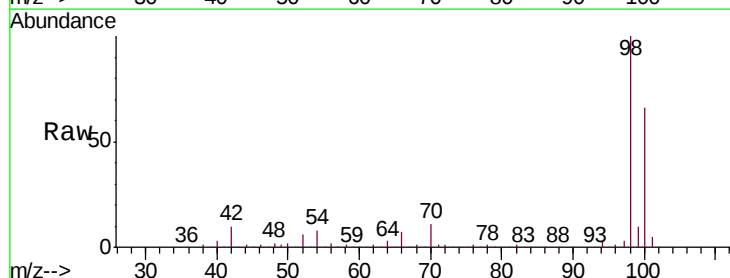
Instrument :
MSVOA_W
ClientSampled :
GREENWALL

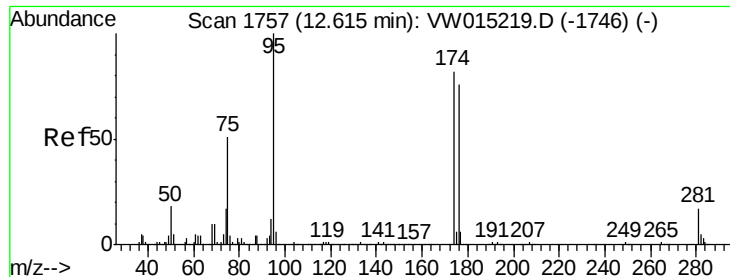
Tgt Ion: 117 Resp: 18525
Ion Ratio Lower Upper
117 100
119 4.4 72.3 108.5#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 51.052 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Tgt Ion: 98 Resp: 343896
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

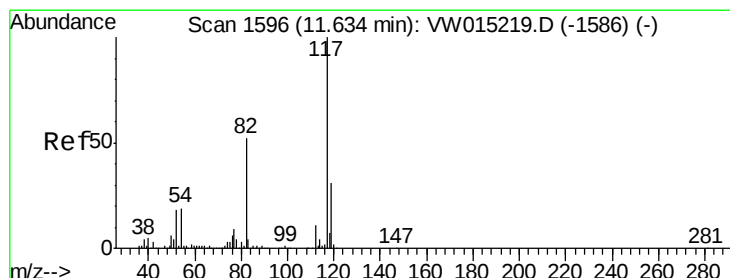
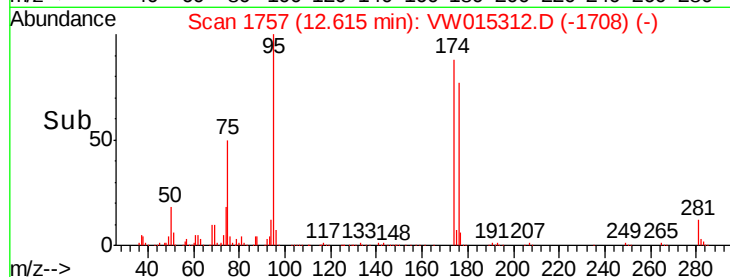
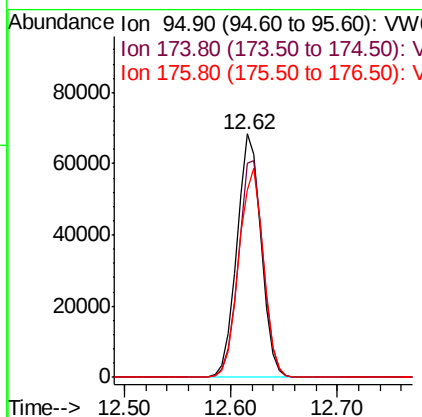
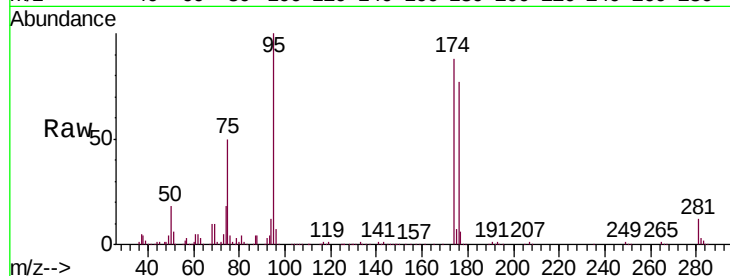




#62
4-Bromofluorobenzene
Concen: 42.664 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

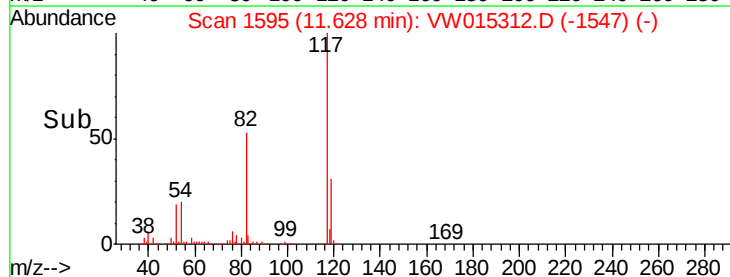
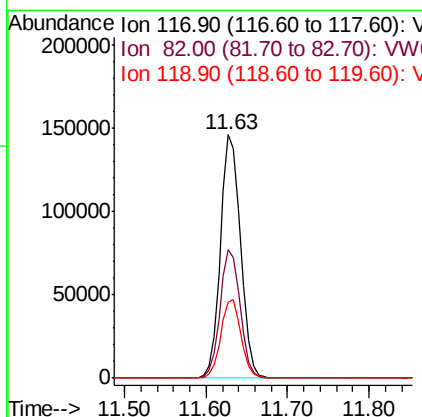
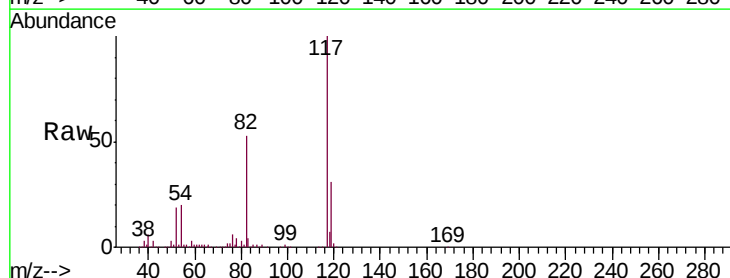
Instrument :
MSVOA_W
ClientSampleId :
GREENWALL

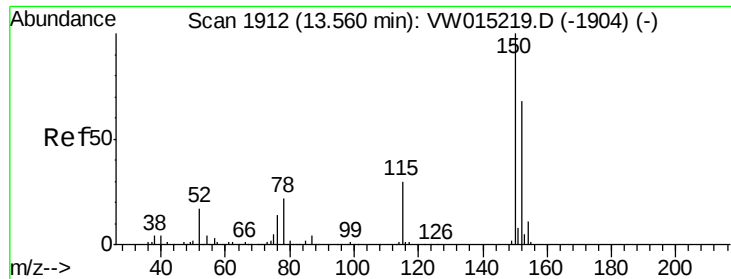
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	109655		
174	90.7		0.0	144.4
176	87.4		0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	250467		
82	52.7		44.1	66.1
119	31.1		24.9	37.3



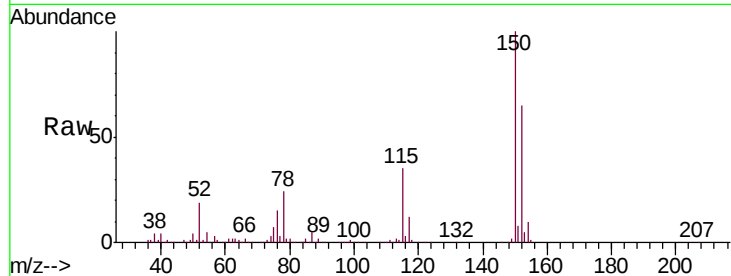


#72

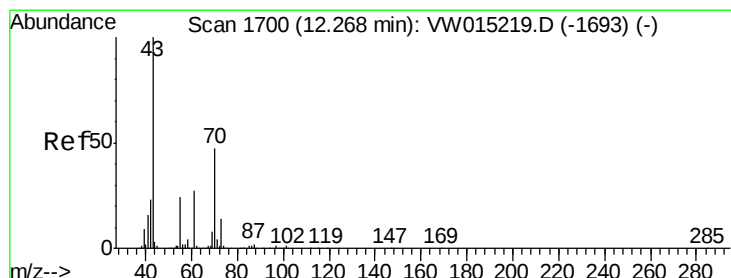
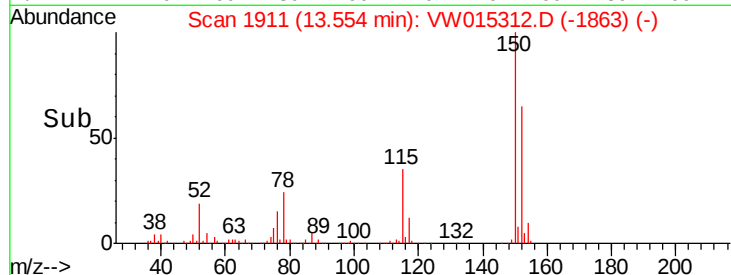
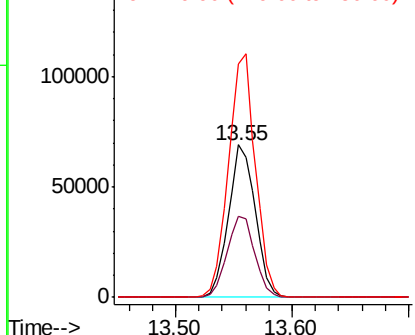
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :
GREENWALL

Tgt Ion:152 Resp: 110435
Ion Ratio Lower Upper
152 100
115 54.9 31.3 93.9
150 160.0 0.0 343.4



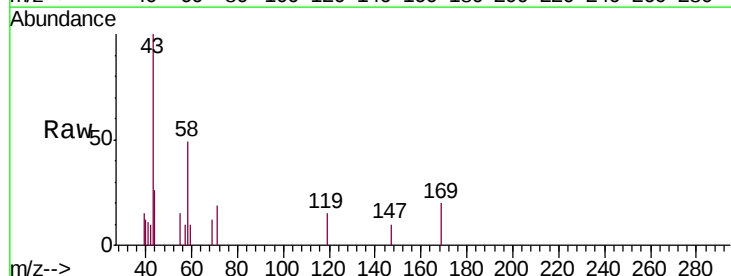
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



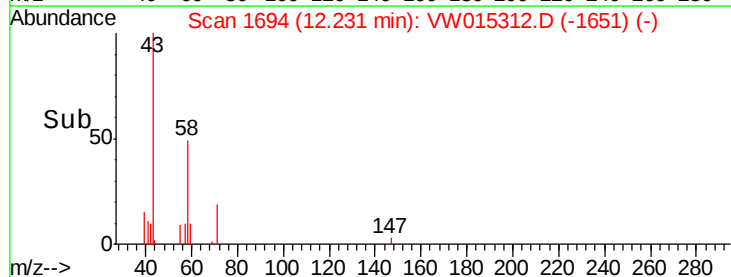
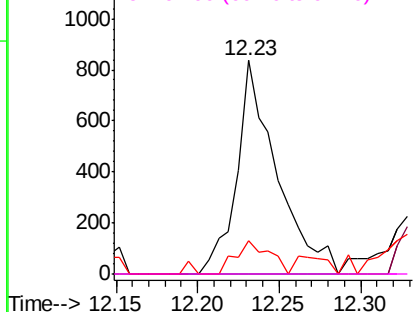
#74

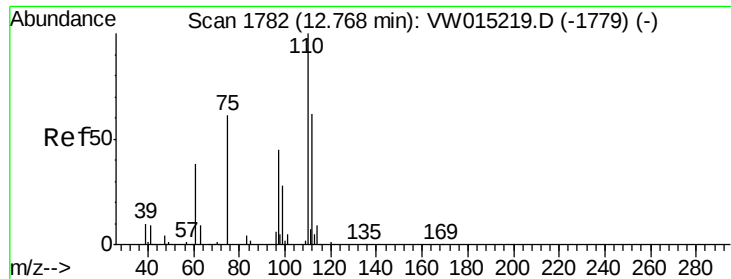
N-ethyl acetate
Concen: 1.073 ug/l
RT: 12.23 min Scan# 1694
Delta R.T. -0.04 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
70 0.0 35.4 53.2#
55 13.1 18.5 27.7#
61 0.0 20.3 30.5#



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: 64.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

Instrument :

MSVOA_W

ClientSampleId :

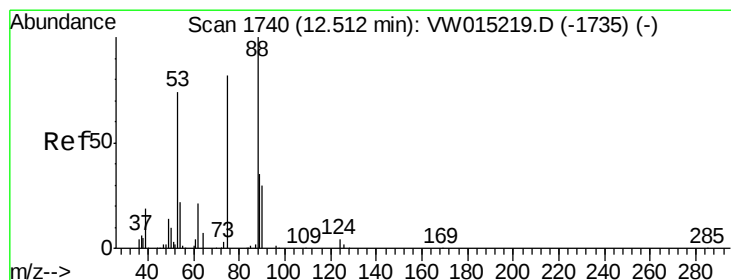
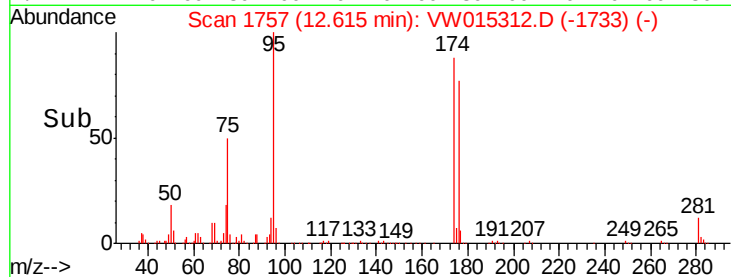
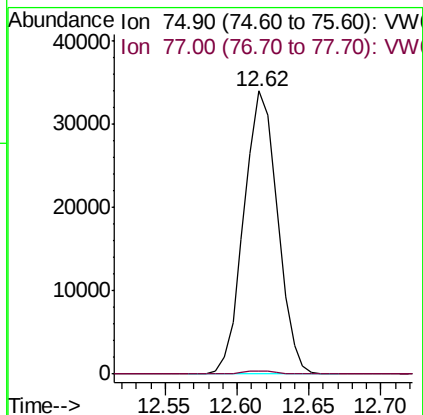
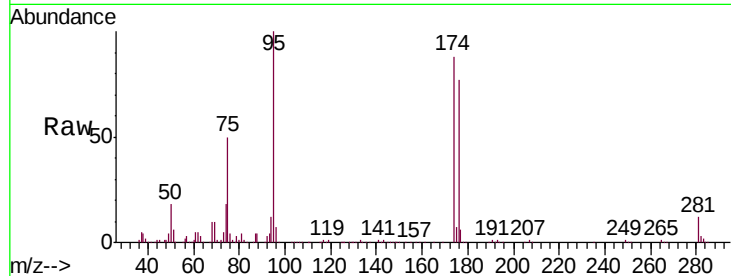
GREENWALL

Tgt Ion: 75 Resp: 55071

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.912 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015312.D

Acq: 22 Apr 2020 16:55

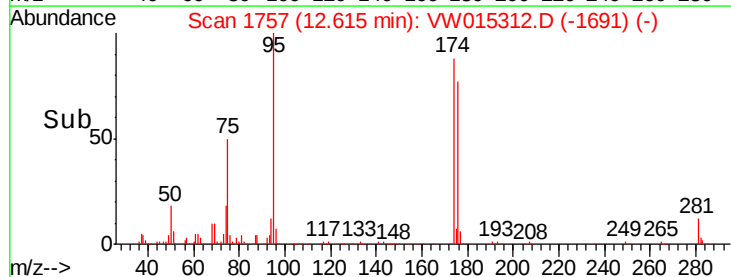
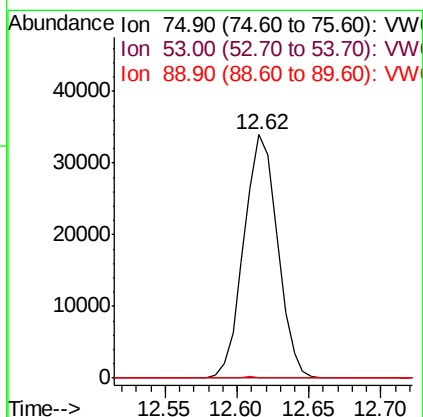
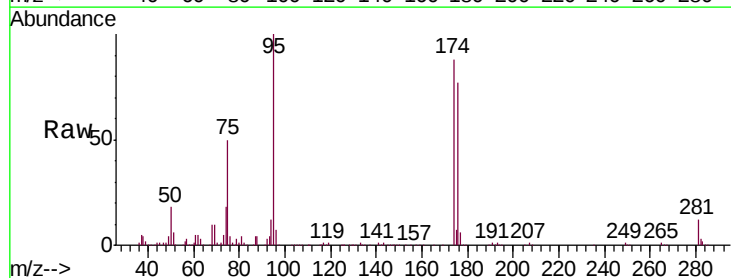
Tgt Ion: 75 Resp: 55071

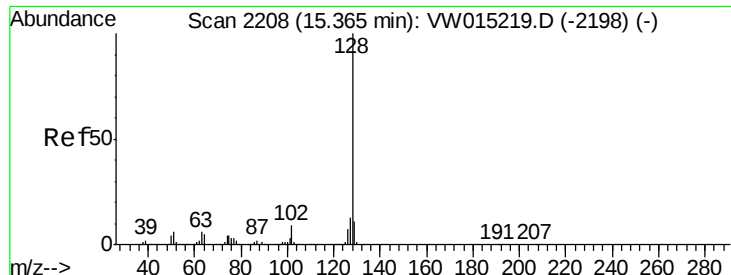
Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#

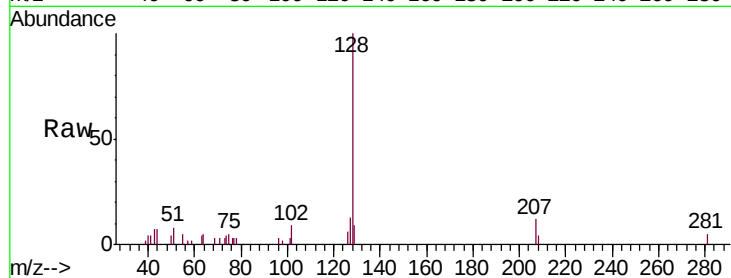




#95
Naphthalene
Concen: 1.460 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015312.D
Acq: 22 Apr 2020 16:55

Instrument :
MSVOA_W
ClientSampleId :
GREENWALL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.0	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

