

Data File : VW015303.D
Acq On : 22 Apr 2020 13:10
Operator : SY/VA
Sample : L2377-01
Misc : 4.20G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MILL-1

Quant Time: Apr 23 07:01:41 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	212189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	293123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104335	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	80184	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
35) Dibromofluoromethane	7.88	113	81748	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.32	98	348335	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	112010	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	

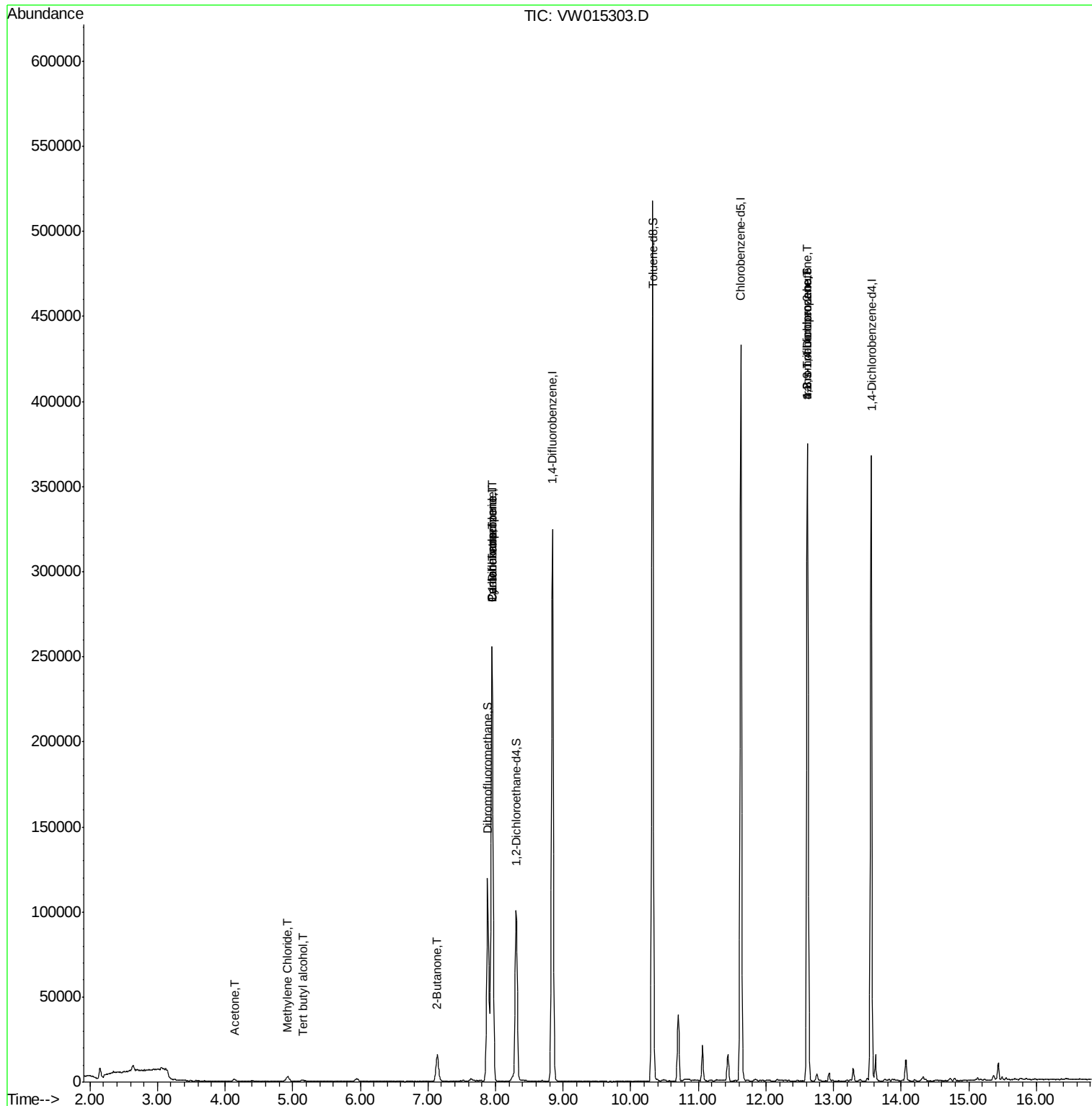
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.16	59	1060	7.494	ug/l #	84
16) Acetone	4.14	43	2835	9.354	ug/l	91
20) Methylene Chloride	4.93	84	2537	1.277	ug/l	90
25) 2-Butanone	7.14	43	1033	2.569	ug/l #	48
31) Cyclohexane	7.95	56	3958	1.233	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	13675	5.169	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18252	6.313	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	56389	69.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56389	152.720	ug/l #	15

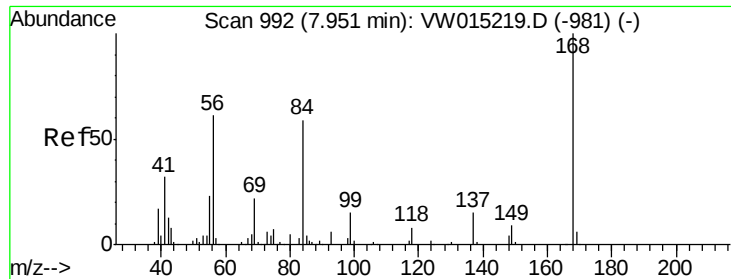
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015303.D

Acq: 22 Apr 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

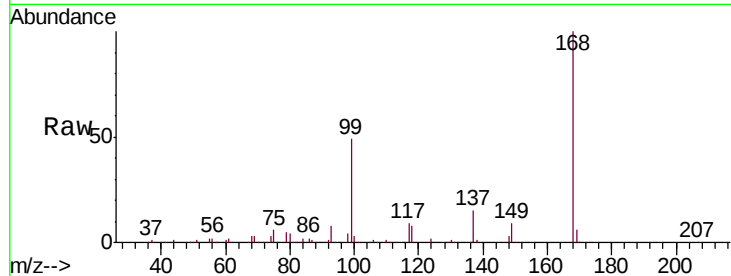
MILL-1

Tgt Ion:168 Resp: 212189

Ion Ratio Lower Upper

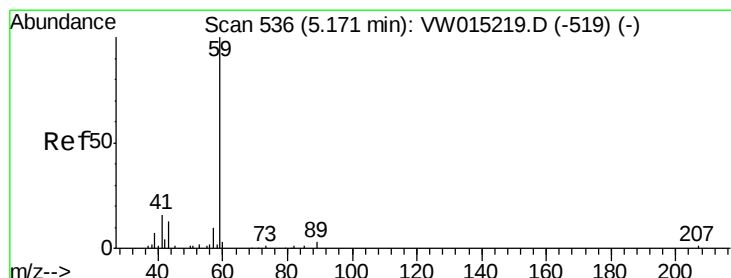
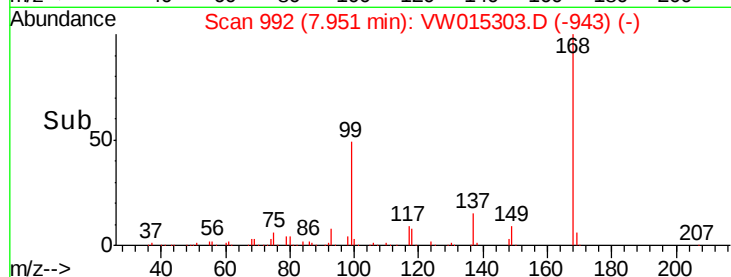
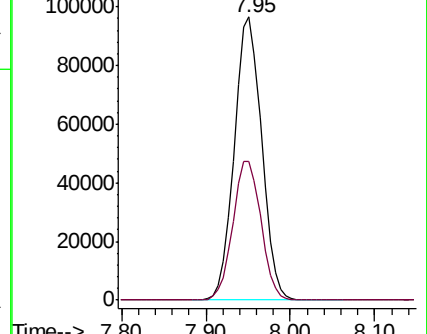
168 100

99 49.0 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: 7.494 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW015303.D

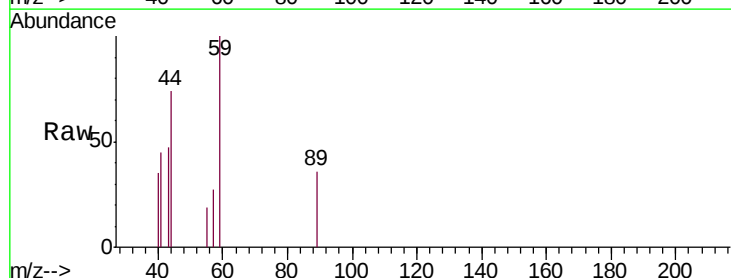
Acq: 22 Apr 2020 13:10

Tgt Ion: 59 Resp: 1060

Ion Ratio Lower Upper

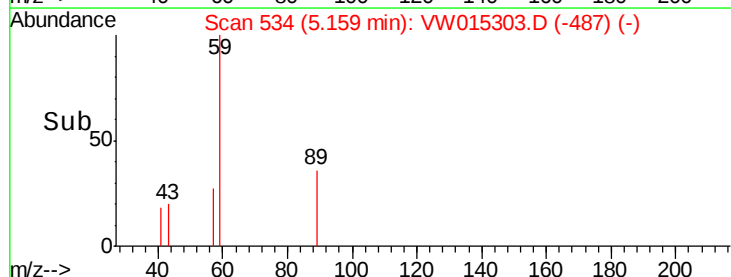
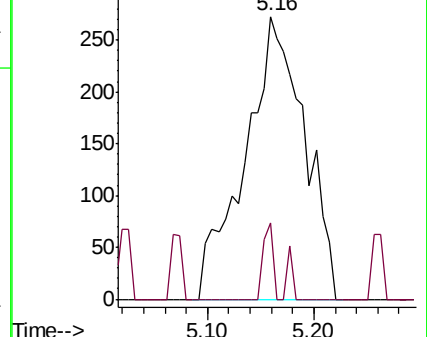
59 100

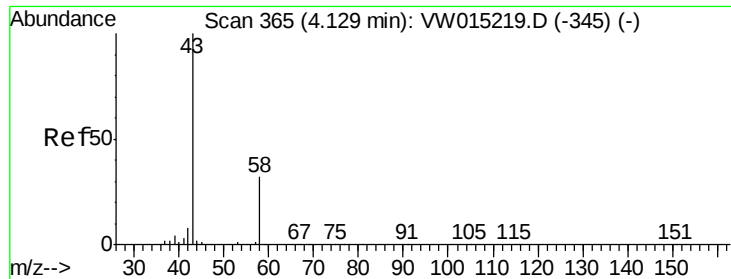
57 4.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

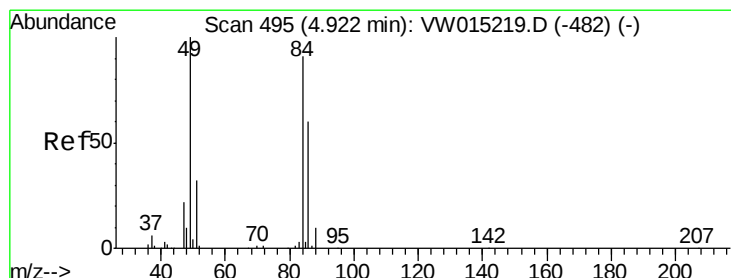
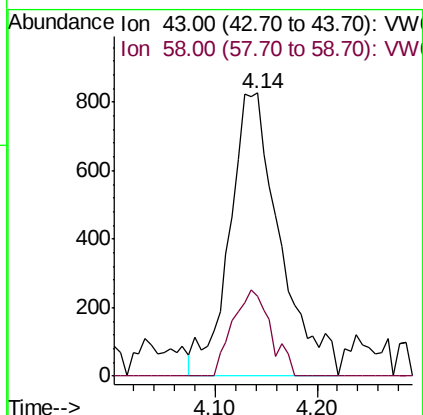
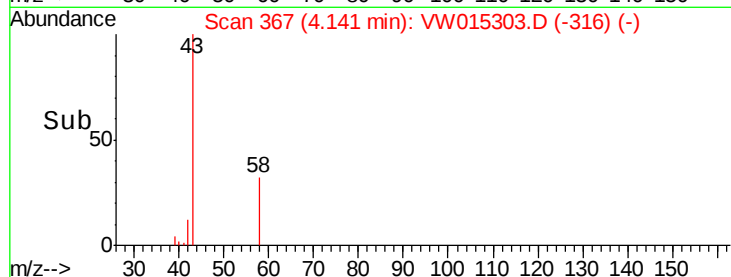
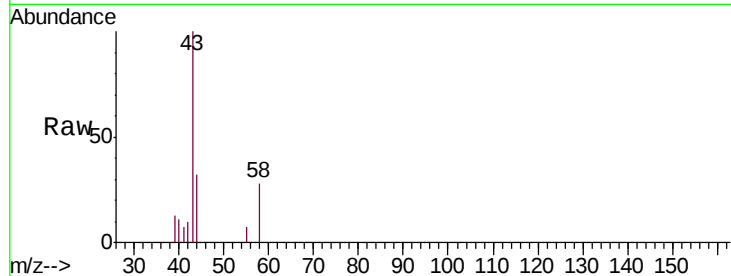




#16
Acetone
Concen: 9.354 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

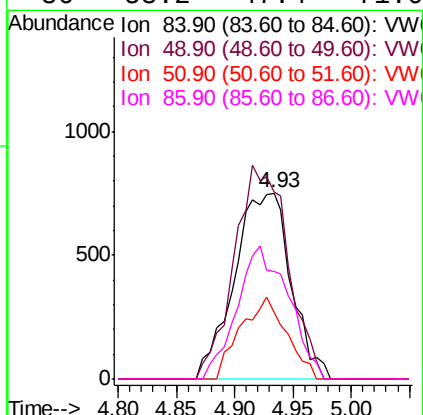
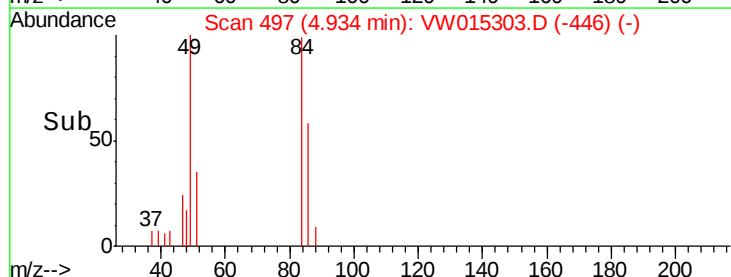
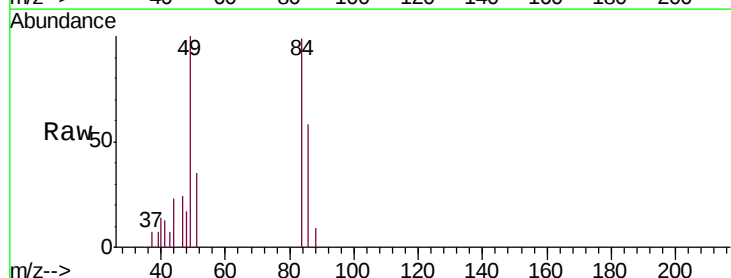
Instrument :
MSVOA_W
ClientSampled :
MILL-1

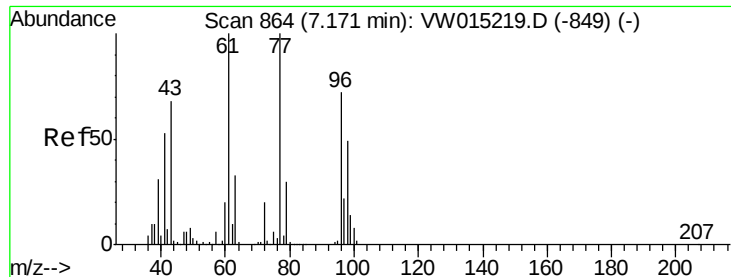
Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
58 28.3 27.0 40.4



#20
Methylene Chloride
Concen: 1.277 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

Tgt Ion: 84 Resp: 2537
Ion Ratio Lower Upper
84 100
49 100.7 95.4 143.0
51 35.7 29.8 44.8
86 58.2 47.4 71.0





#25

2-Butanone

Concen: 2.569 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015303.D

Acq: 22 Apr 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

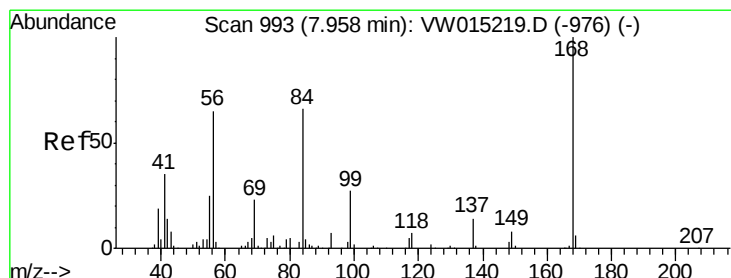
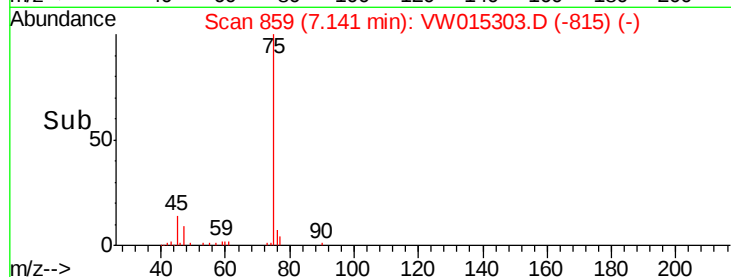
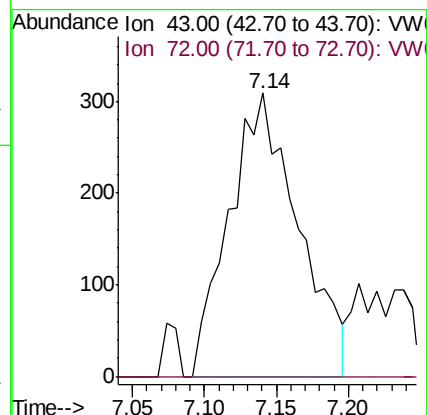
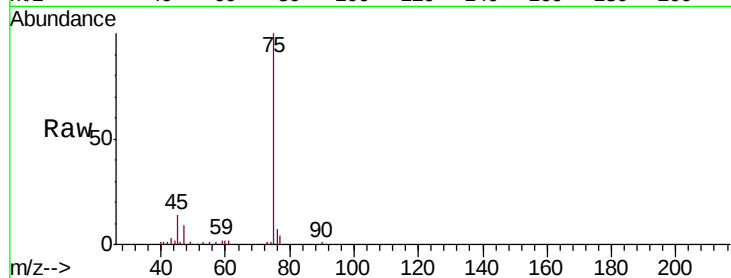
MILL-1

Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015303.D

Acq: 22 Apr 2020 13:10

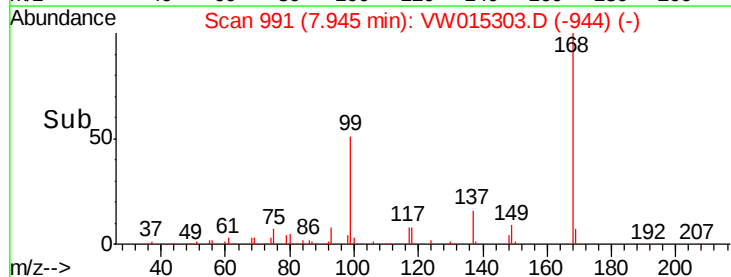
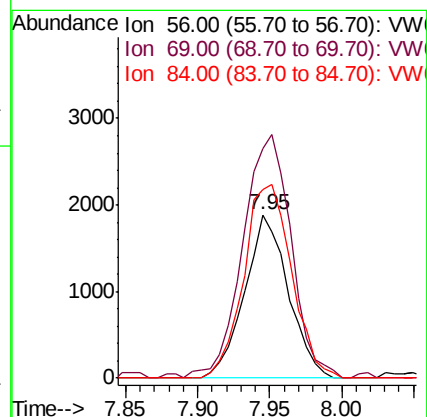
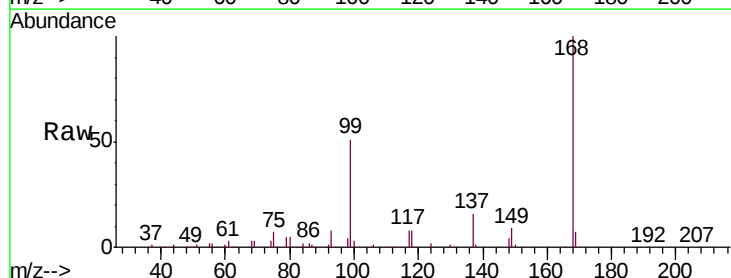
Tgt Ion: 56 Resp: 3958

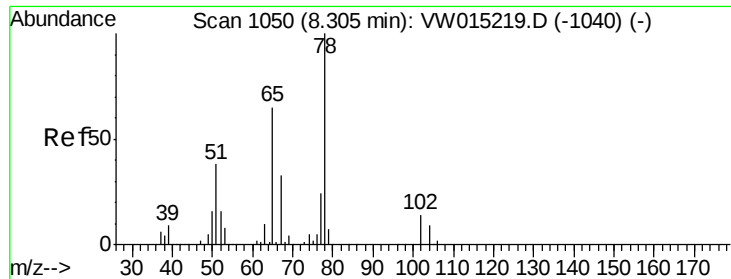
Ion Ratio Lower Upper

56 100

69 140.7 27.1 40.7#

84 115.0 71.9 107.9#

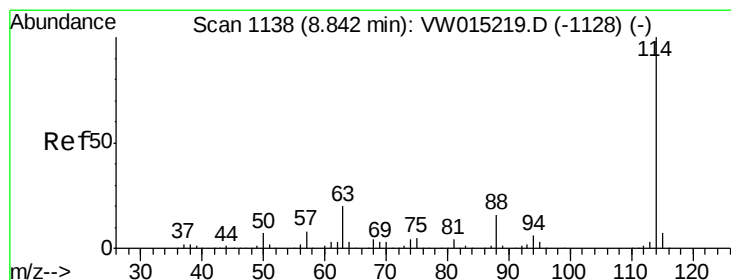
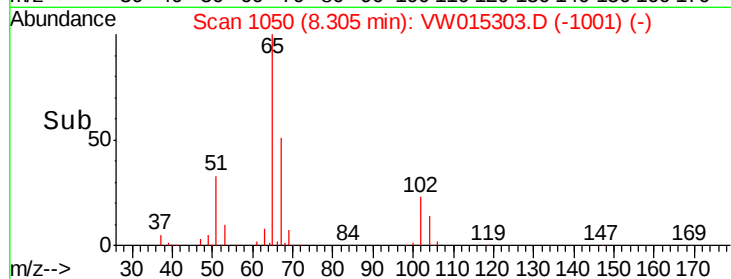
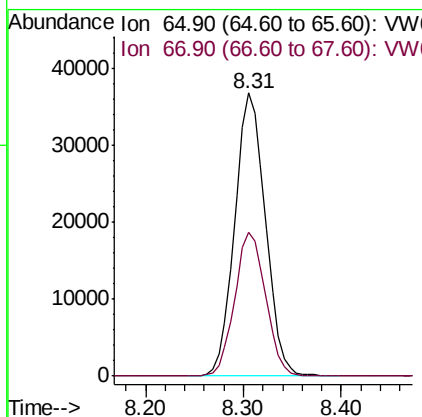
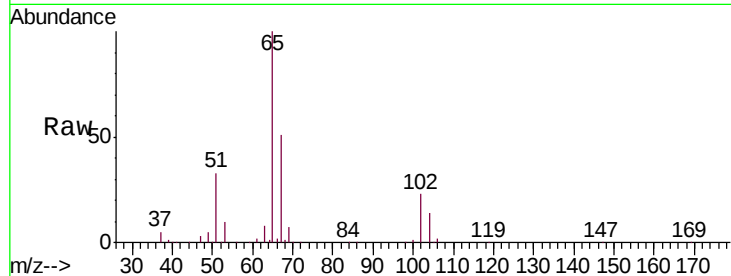




#33
 1,2-Dichloroethane-d4
 Concen: 46.211 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015303.D
 Acq: 22 Apr 2020 13:10

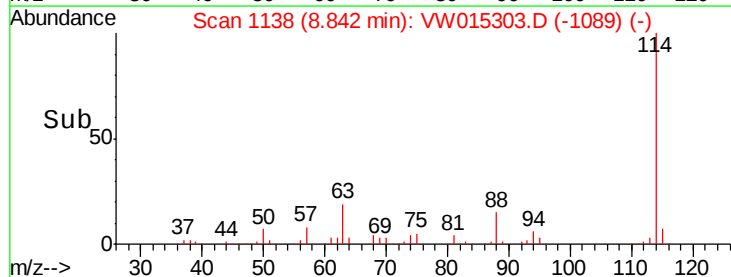
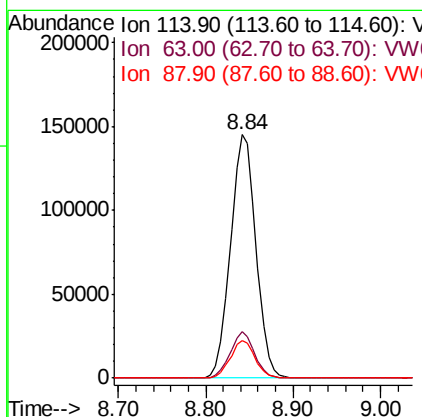
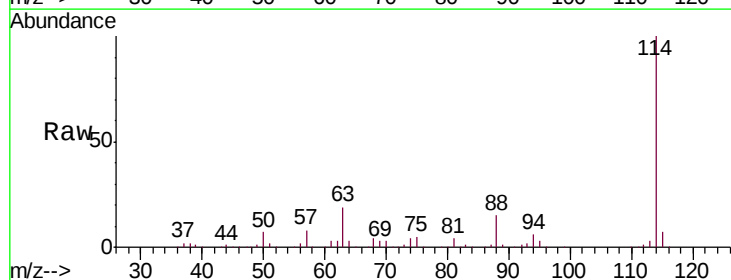
Instrument :
 MSVOA_W
 ClientSampled :
 MILL-1

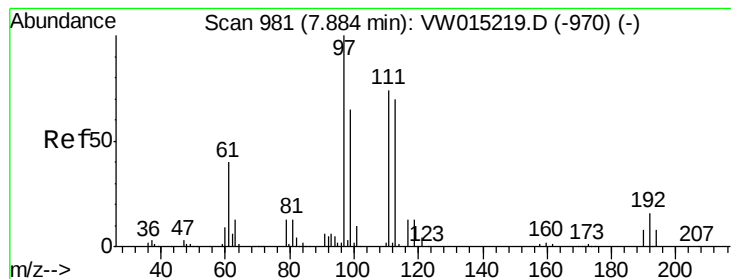
Tgt Ion: 65 Resp: 80184
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015303.D
 Acq: 22 Apr 2020 13:10

Tgt Ion: 114 Resp: 293123
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.8
 88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.348 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015303.D

Acq: 22 Apr 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

MILL-1

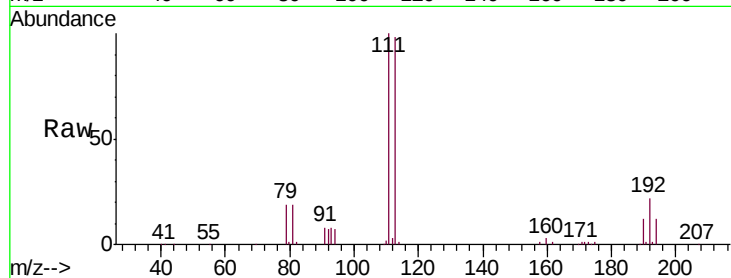
Tgt Ion:113 Resp: 81748

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

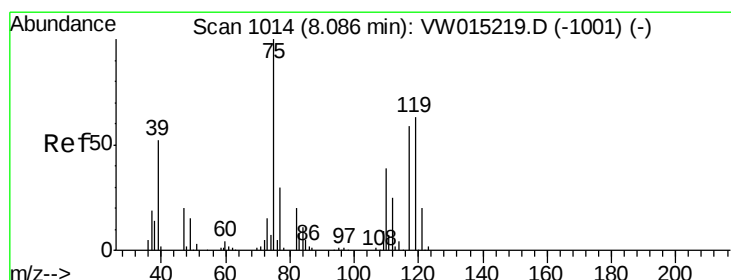
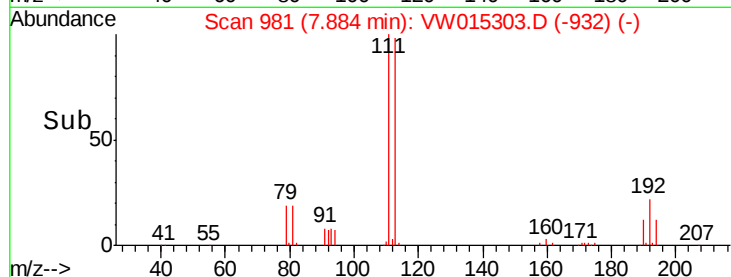
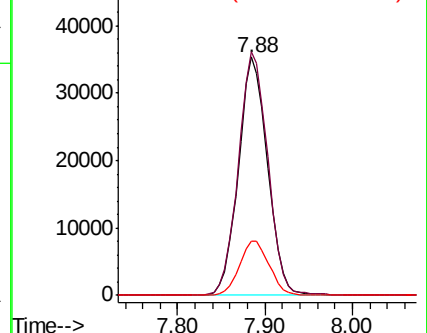
192 23.2 15.1 22.7#



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: 5.169 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015303.D

Acq: 22 Apr 2020 13:10

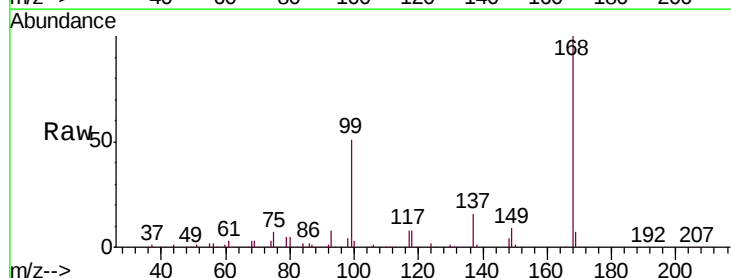
Tgt Ion: 75 Resp: 13675

Ion Ratio Lower Upper

75 100

110 9.5 18.2 54.6#

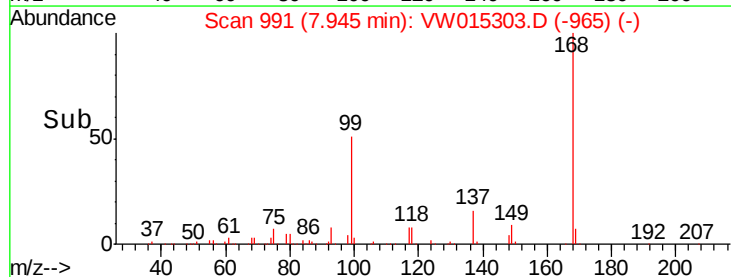
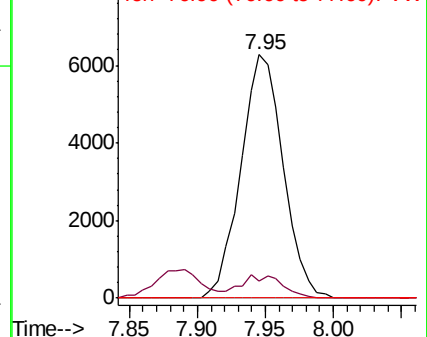
77 0.0 24.5 36.7#

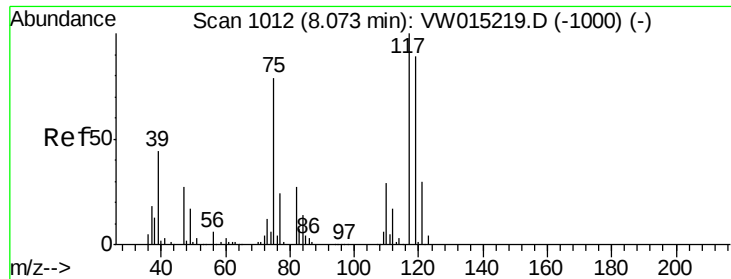


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

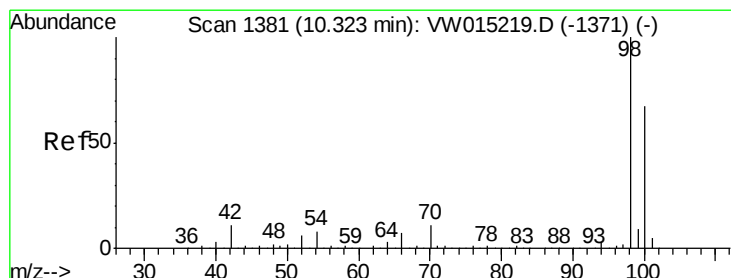
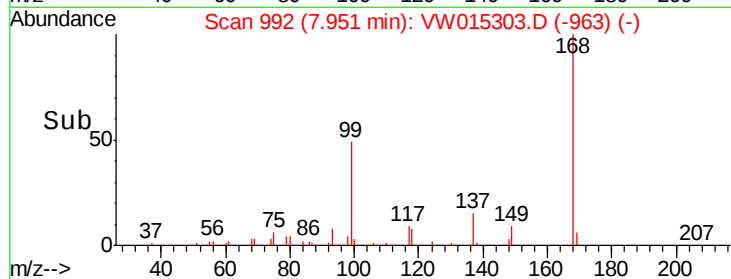
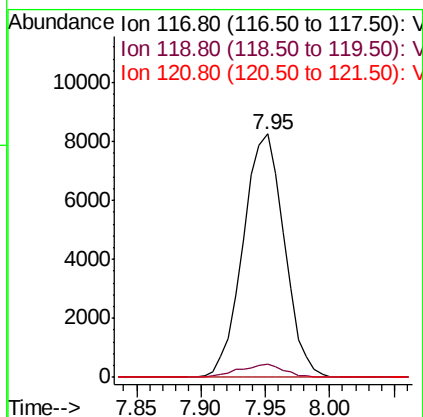
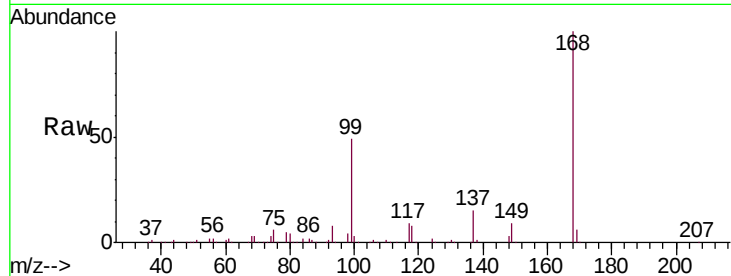




#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

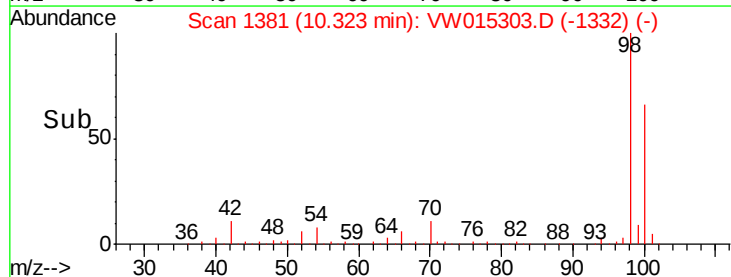
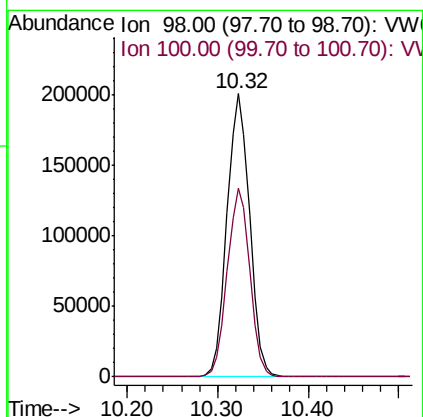
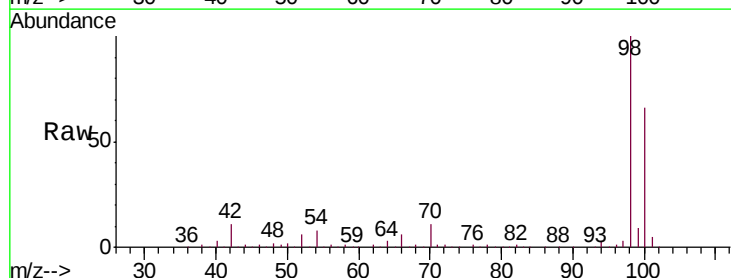
Instrument :
MSVOA_W
ClientSampled :
MILL-1

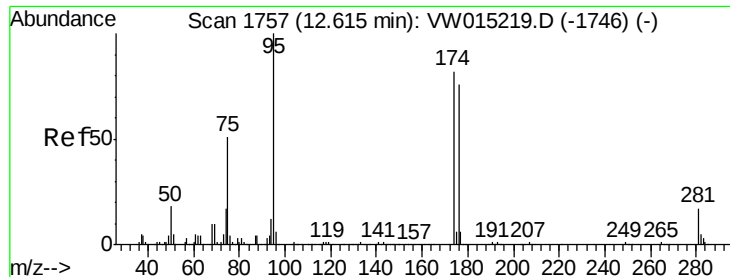
Tgt Ion:117 Resp: 18252
Ion Ratio Lower Upper
117 100
119 5.4 72.3 108.5#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 50.999 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

Tgt Ion: 98 Resp: 348335
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3

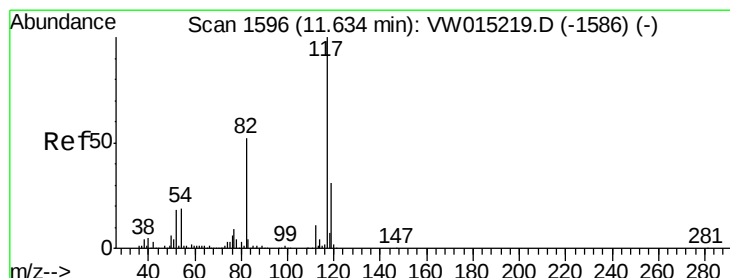
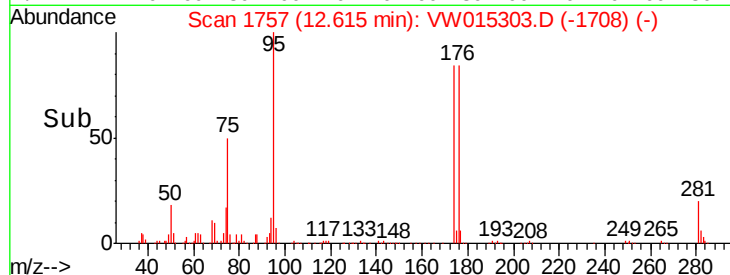
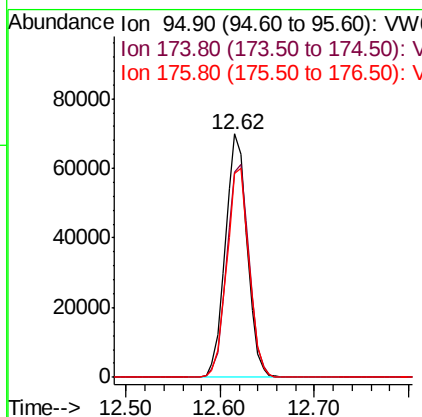
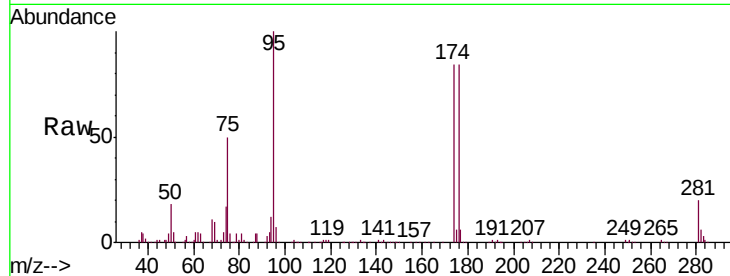




#62
4-Bromofluorobenzene
Concen: 42.981 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

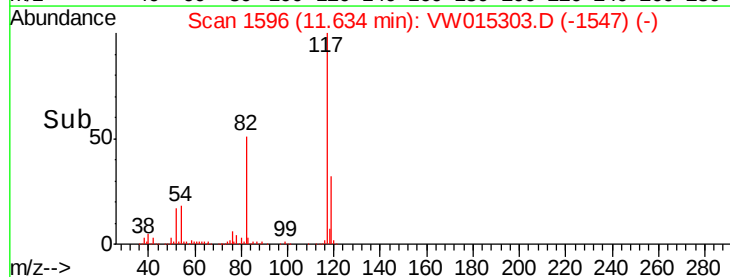
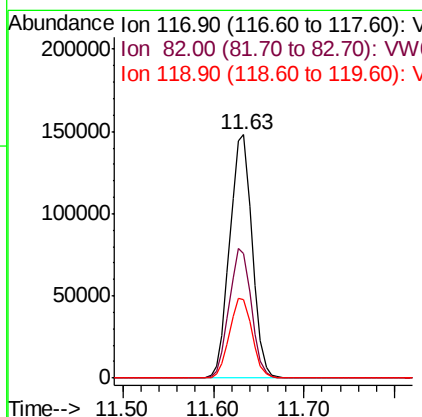
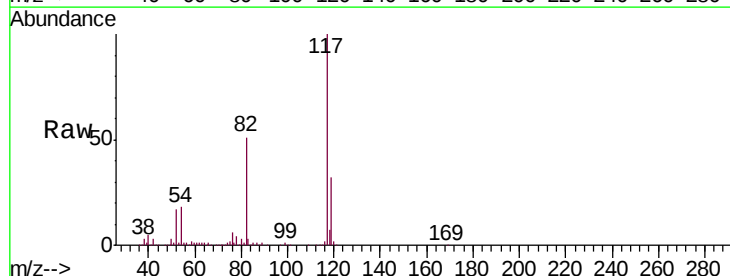
Instrument :
MSVOA_W
ClientSampleId :
MILL-1

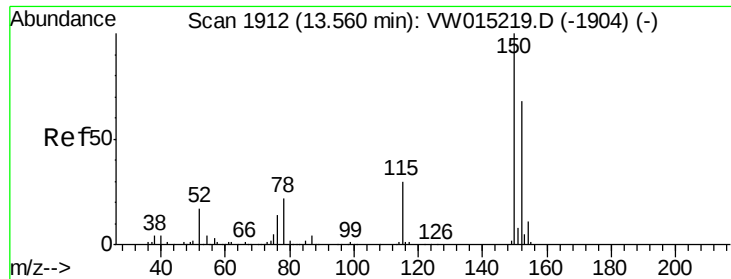
Tgt Ion: 95 Resp: 112010
Ion Ratio Lower Upper
95 100
174 90.0 0.0 144.4
176 87.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015303.D
Acq: 22 Apr 2020 13:10

Tgt Ion: 117 Resp: 255201
Ion Ratio Lower Upper
117 100
82 51.2 44.1 66.1
119 32.4 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: VW015303.D

Acq: 22 Apr 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

MILL-1

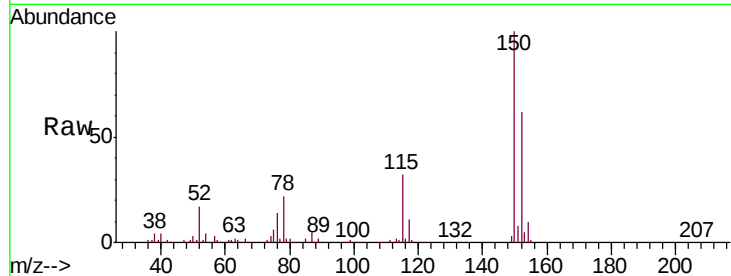
Tgt Ion:152 Resp: 104335

Ion Ratio Lower Upper

152 100

115 55.3 31.3 93.9

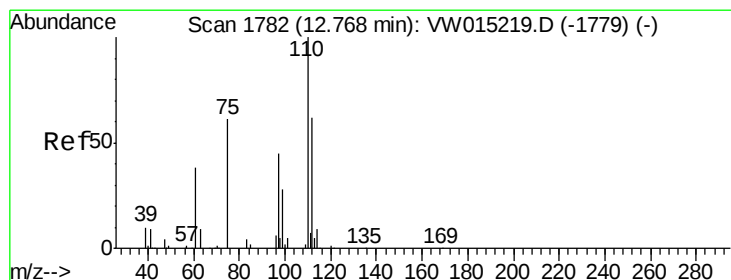
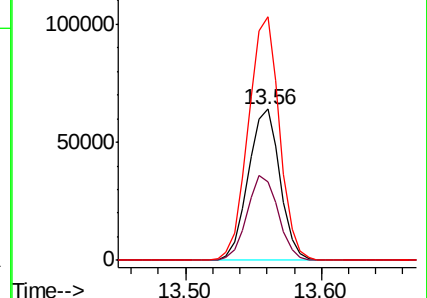
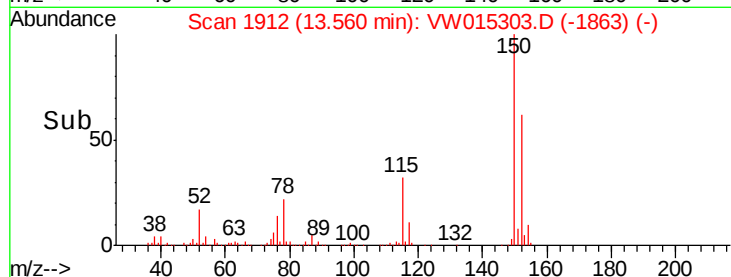
150 158.4 0.0 343.4



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: 69.862 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015303.D

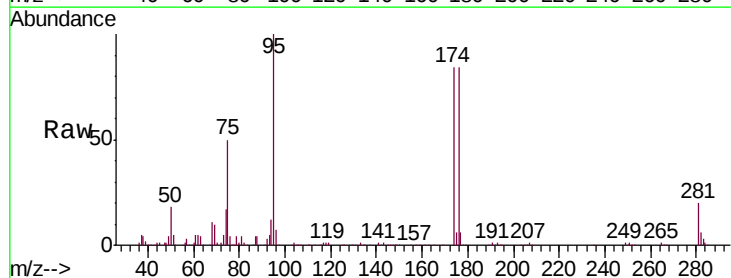
Acq: 22 Apr 2020 13:10

Tgt Ion: 75 Resp: 56389

Ion Ratio Lower Upper

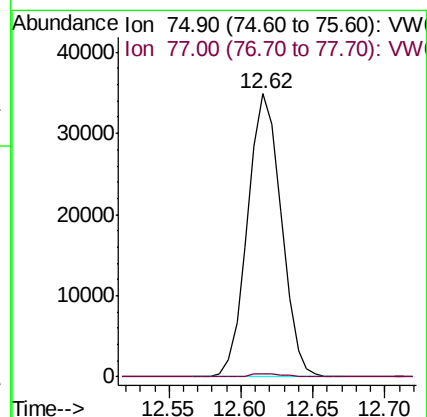
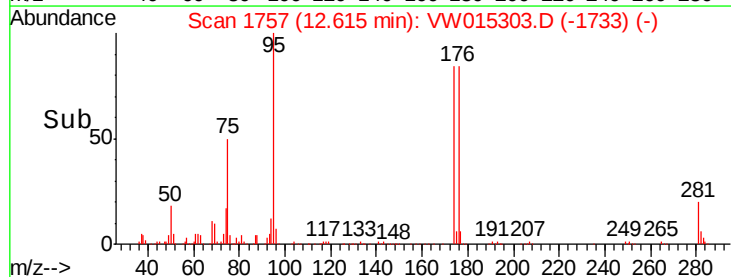
75 100

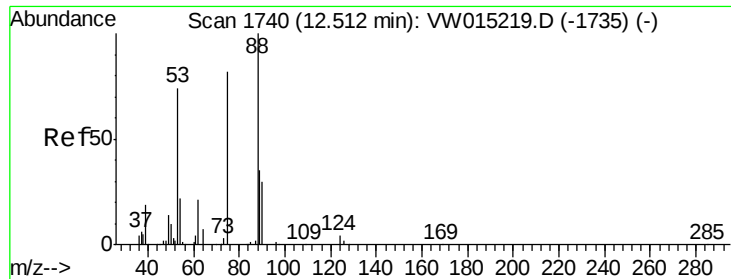
77 1.2 0.0 0.0#



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: 152.720 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015303.D

Acq: 22 Apr 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

MILL-1

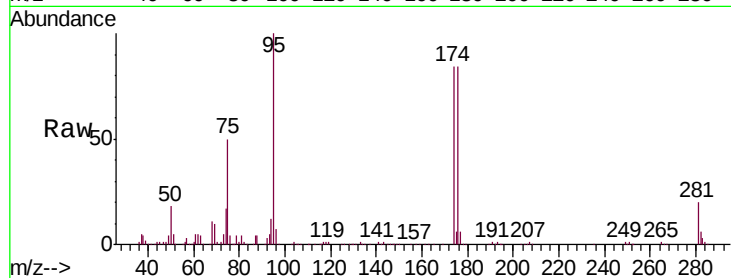
Tgt Ion: 75 Resp: 56389

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

