

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015257.D
 Acq On : 21 Apr 2020 13:00
 Operator : SY/VA
 Sample : L2358-01
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 05:55:49 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	204473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	260661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	88151	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
35) Dibromofluoromethane	7.88	113	85000	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
50) Toluene-d8	10.32	98	347608	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	115060	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

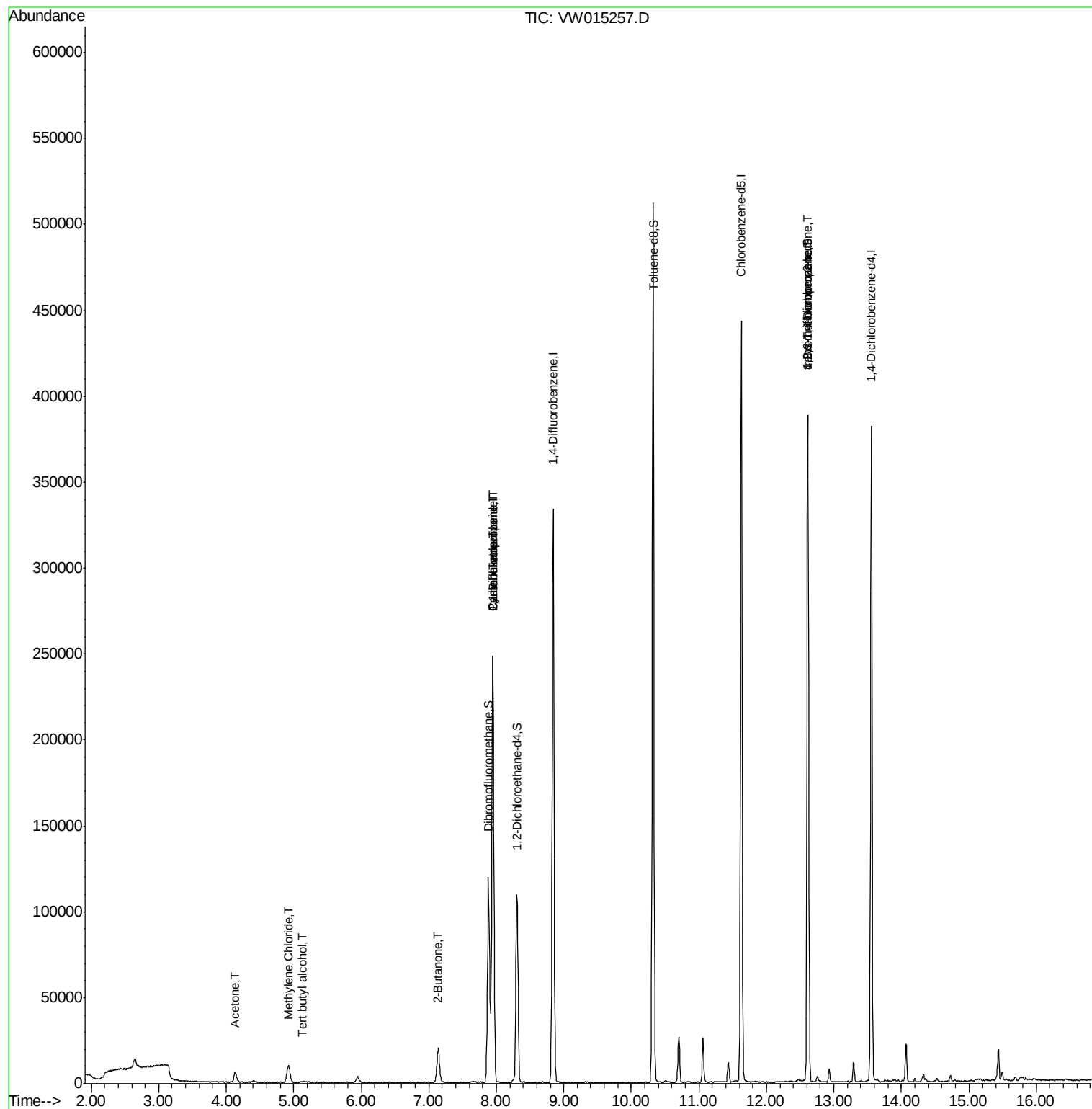
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	354	2.597	ug/l #	11
16) Acetone	4.13	43	10894	37.302	ug/l	94
20) Methylene Chloride	4.92	84	8625	4.506	ug/l	88
25) 2-Butanone	7.15	43	1610	4.155	ug/l #	48
31) Cyclohexane	7.95	56	3886	1.257	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	13493	5.121	ug/l #	49
38) Carbon Tetrachloride	7.95	117	18246	6.337	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57529	68.762	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57529	150.314	ug/l #	15

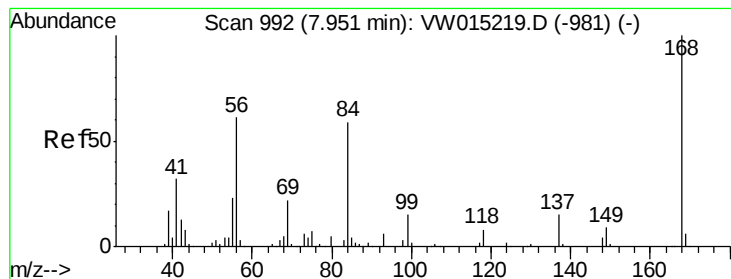
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW015257.D

Acq: 21 Apr 2020 13:00

Instrument :

MSVOA_W

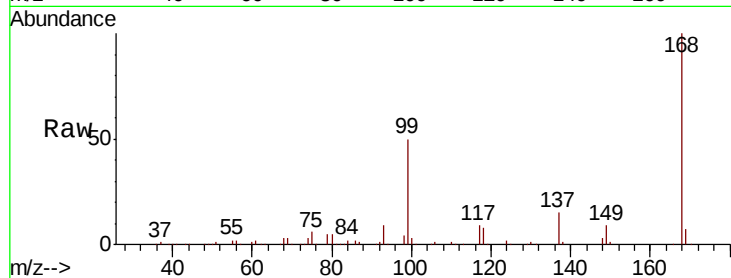
ClientSampleId :

Tot Ion:168 Resp: 204473

Ion Ratio Lower Upper

168 100

99 49.7 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

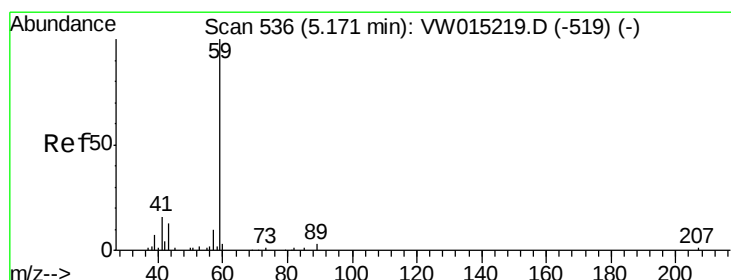
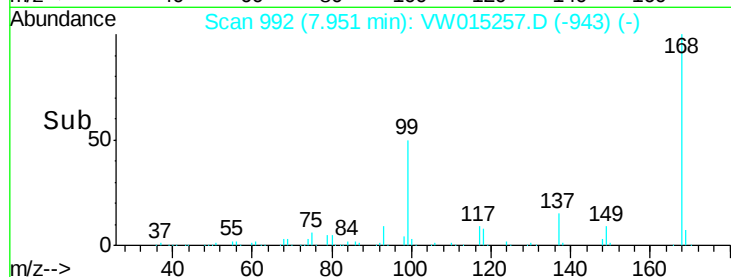
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 2.597 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW015257.D

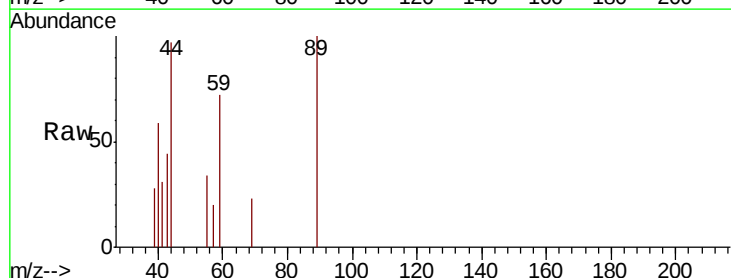
Acq: 21 Apr 2020 13:00

Tgt Ion: 59 Resp: 354

Ion Ratio Lower Upper

59 100

57 43.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

200

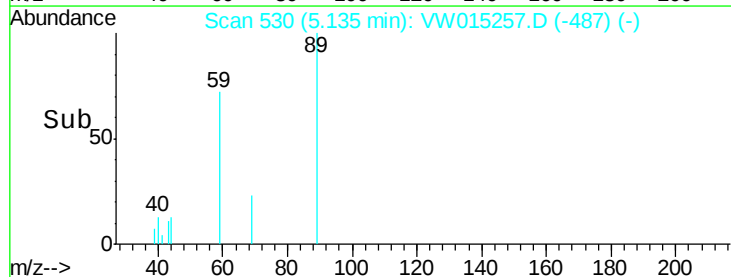
150

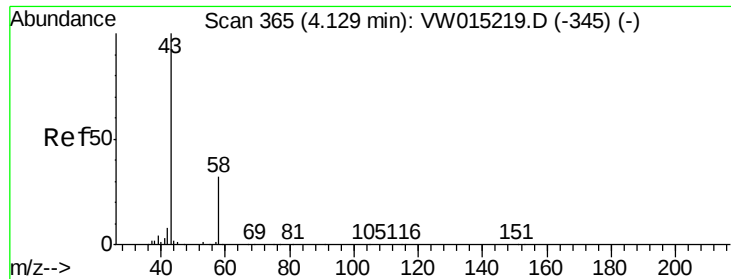
100

50

0

Time--> 5.08 5.10 5.12 5.14

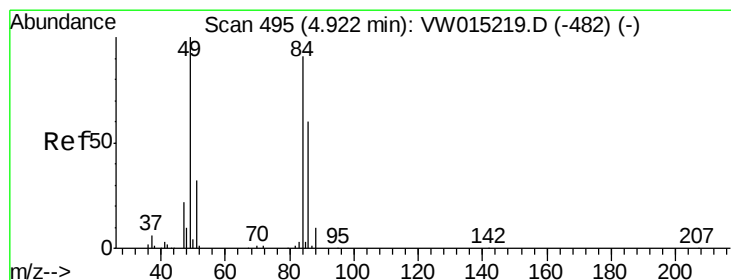
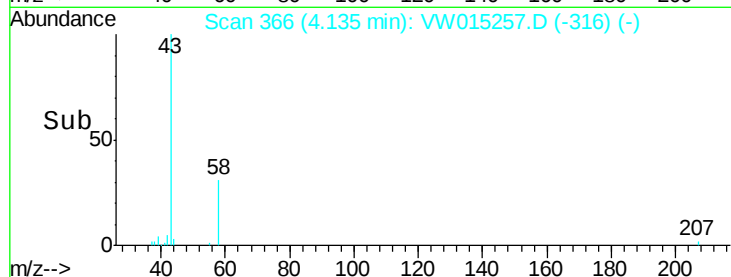
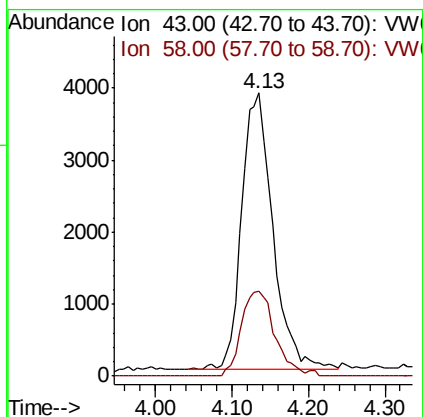
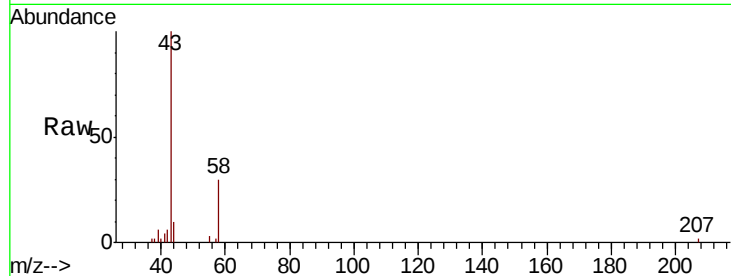




#16
Acetone
Concen: 37.302 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

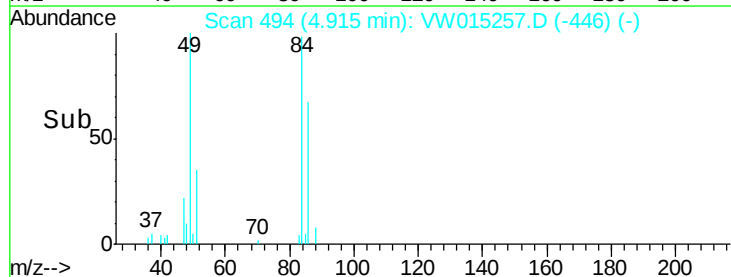
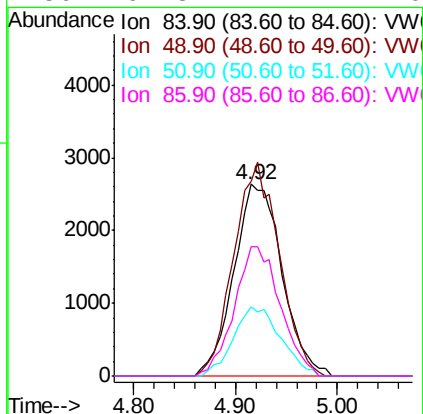
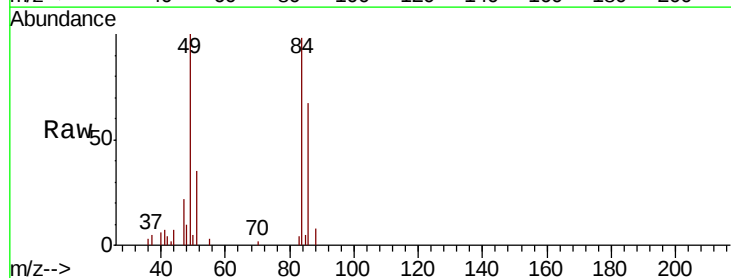
Instrument :
MSVOA_W
ClientSampleId :

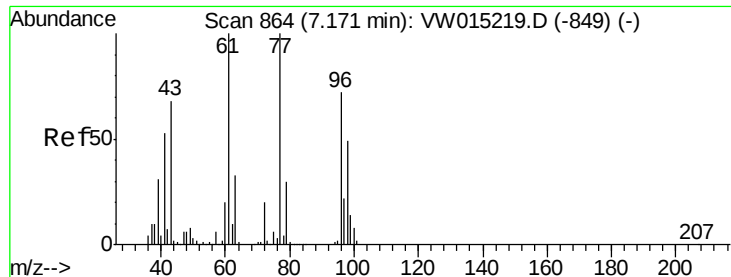
Tot Ion: 43 Resp: 10894
Ion Ratio Lower Upper
43 100
58 30.6 27.0 40.4



#20
Methylene Chloride
Concen: 4.506 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

Tgt Ion: 84 Resp: 8625
Ion Ratio Lower Upper
84 100
49 101.6 95.4 143.0
51 35.8 29.8 44.8
86 67.8 47.4 71.0

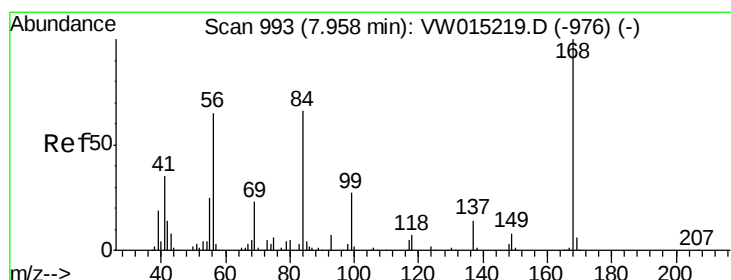
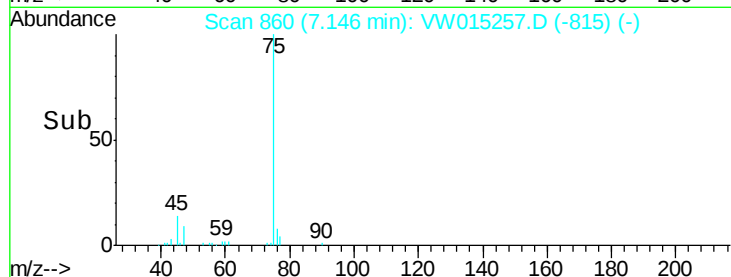
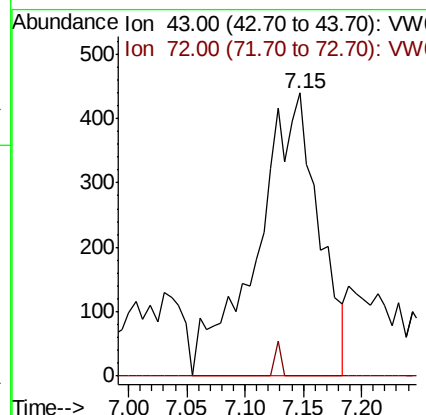
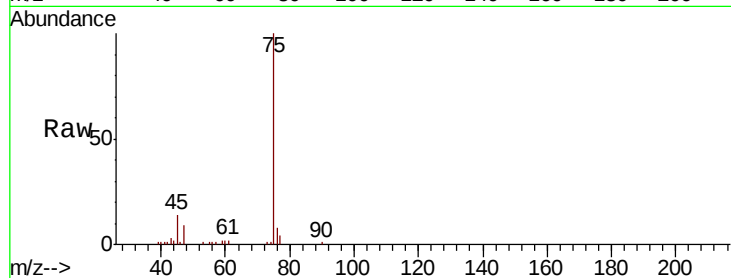




#25
2-Butanone
Concen: 4.155 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

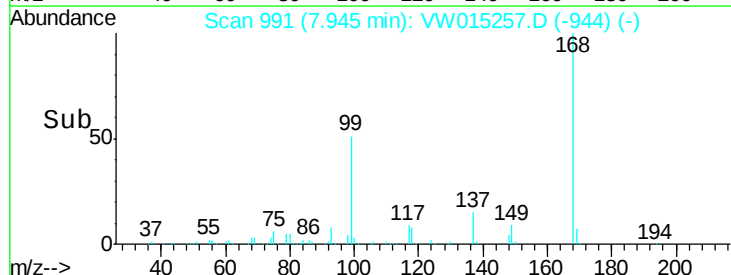
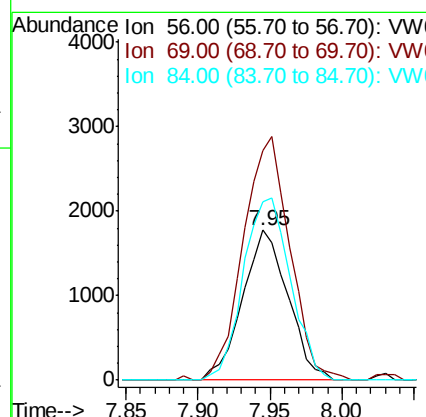
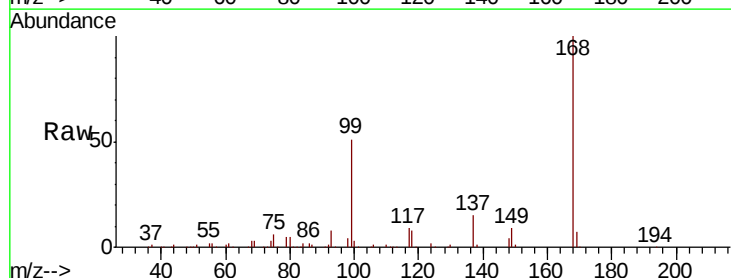
Instrument :
MSVOA_W
ClientSampleId :

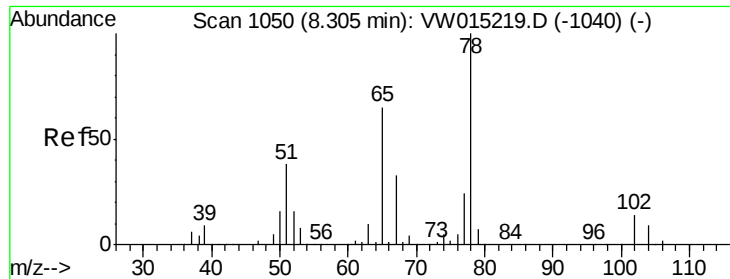
Tot Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
72 0.0 21.6 32.4#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

Tgt Ion: 56 Resp: 3886
Ion Ratio Lower Upper
56 100
69 153.1 27.1 40.7#
84 119.2 71.9 107.9#

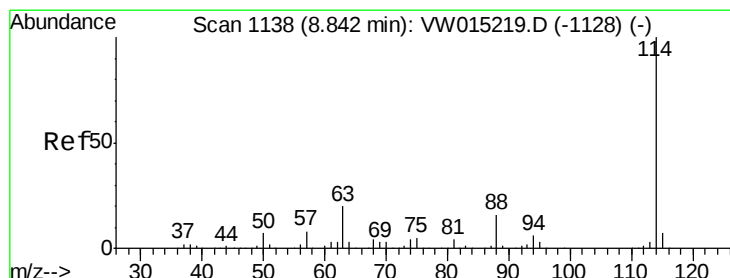
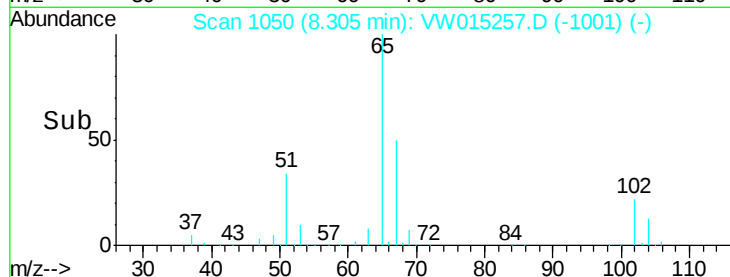
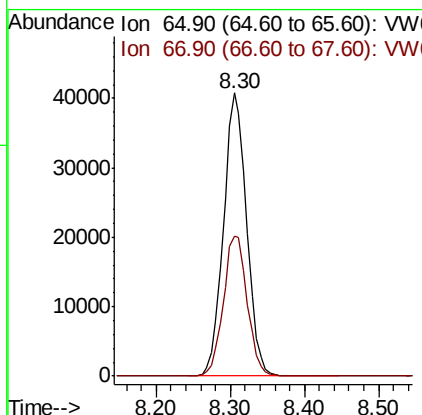
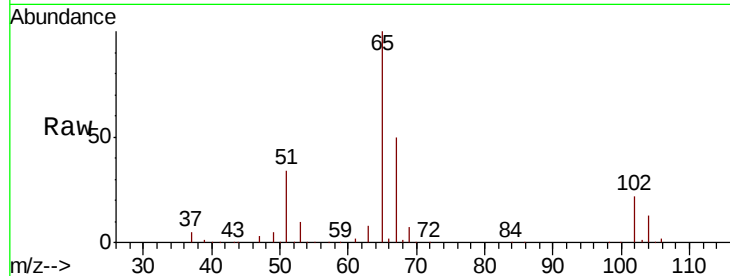




#33
 1,2-Dichloroethane-d4
 Concen: 52.720 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015257.D
 Acq: 21 Apr 2020 13:00

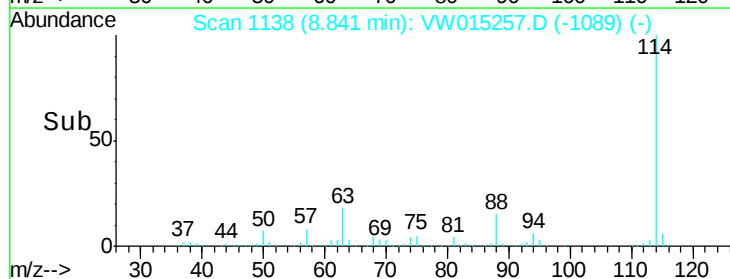
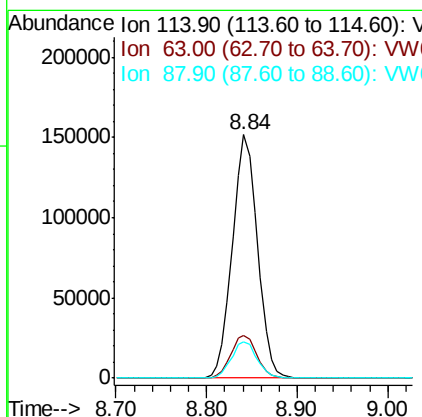
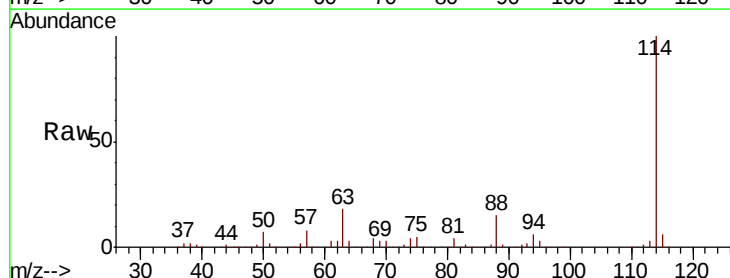
Instrument :
 MSVOA_W
 ClientSampleId :

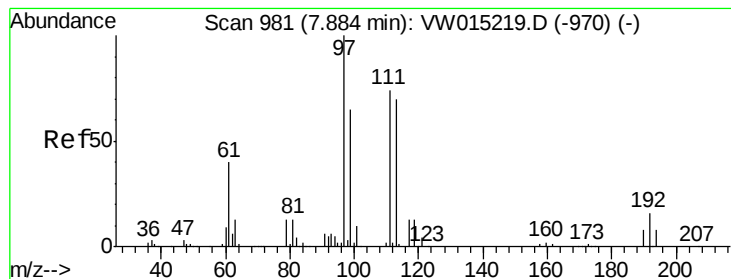
Tot Ion: 65 Resp: 88151
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015257.D
 Acq: 21 Apr 2020 13:00

Tgt Ion: 114 Resp: 291925
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.8
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.566 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015257.D

Acq: 21 Apr 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

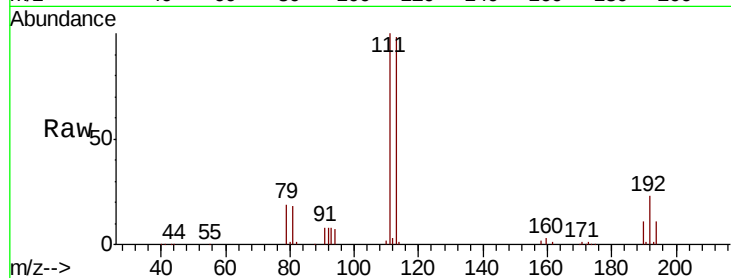
Tot Ion:113 Resp: 85000

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

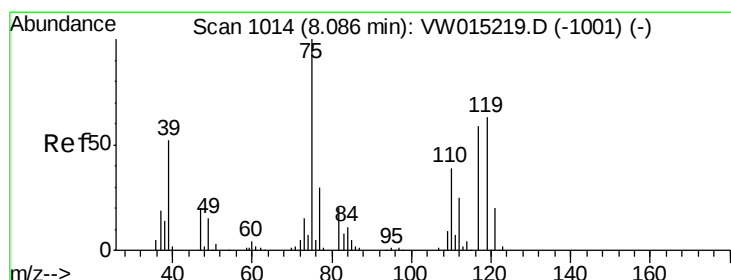
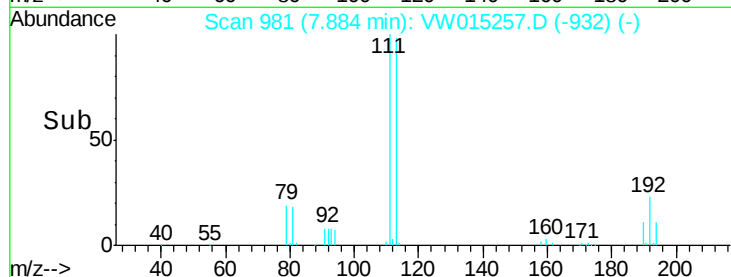
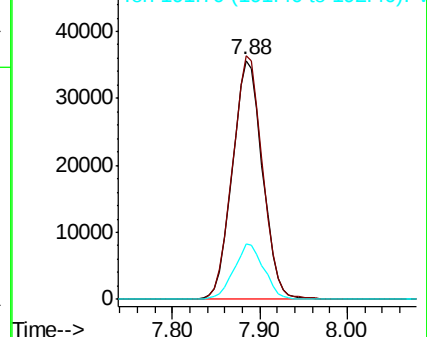
192 23.0 15.1 22.7#



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: 5.121 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015257.D

Acq: 21 Apr 2020 13:00

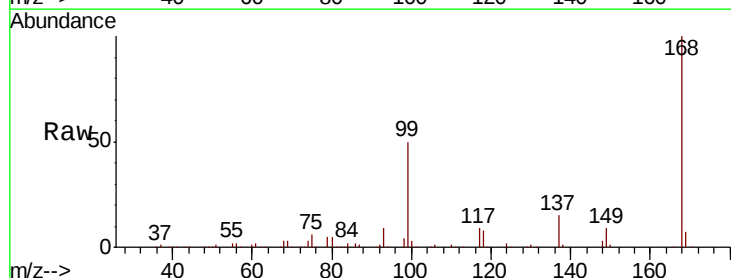
Tgt Ion: 75 Resp: 13493

Ion Ratio Lower Upper

75 100

110 9.1 18.2 54.6#

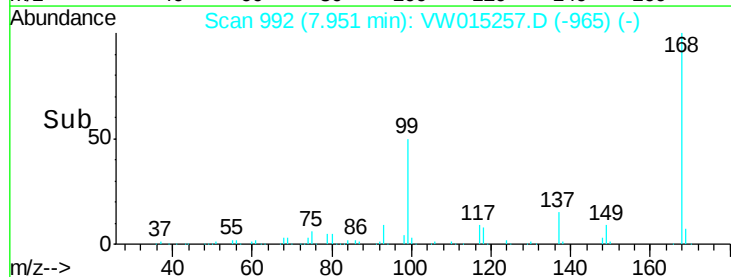
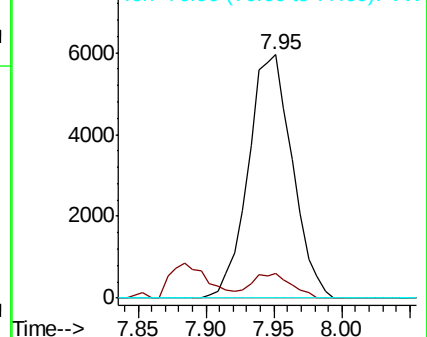
77 0.0 24.5 36.7#

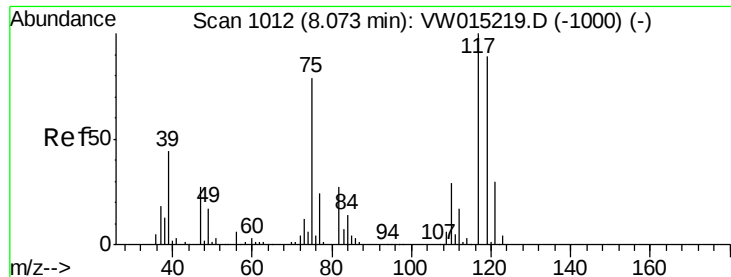


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

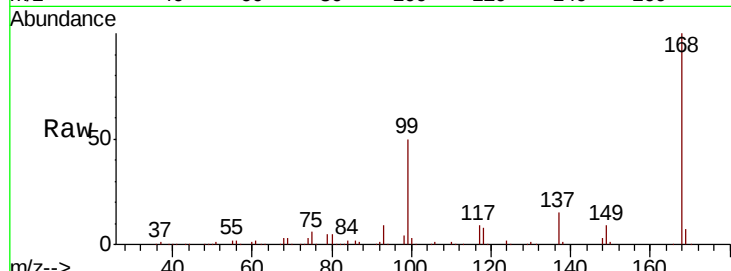




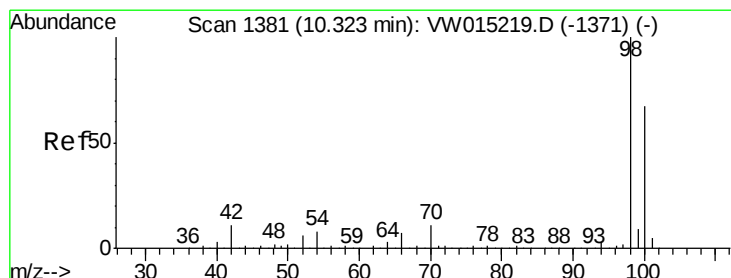
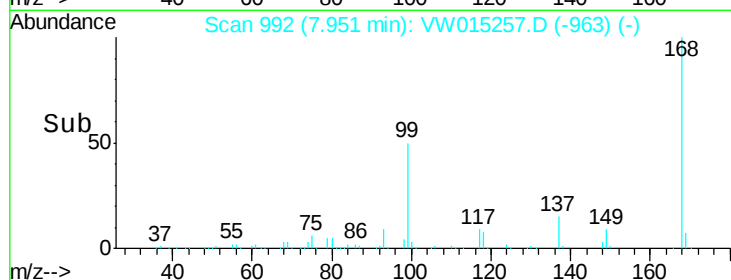
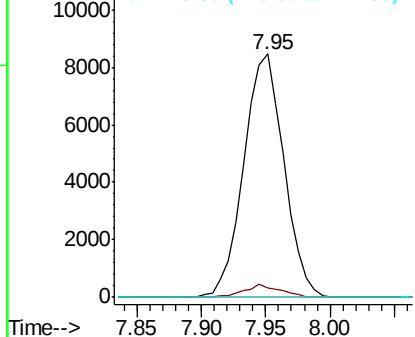
#38
Carbon Tetrachloride
Concen: 6.337 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 18246
Ion Ratio Lower Upper
117 100
119 3.9 72.3 108.5#
121 0.0 23.7 35.5#

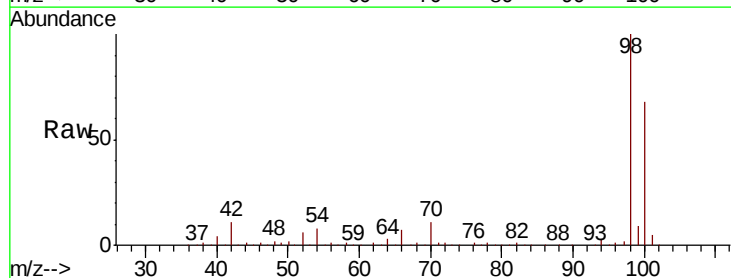


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

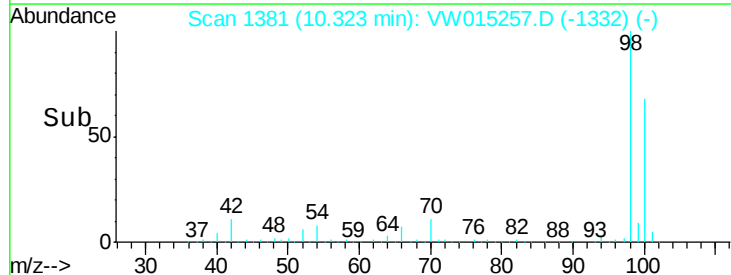
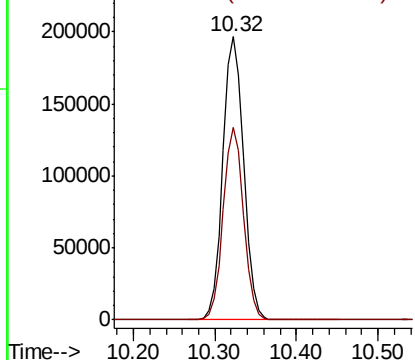


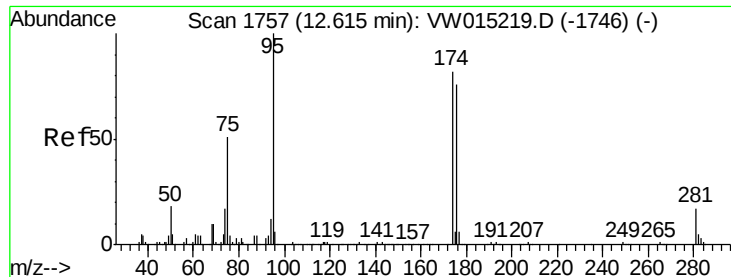
#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

Tgt Ion: 98 Resp: 347608
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



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

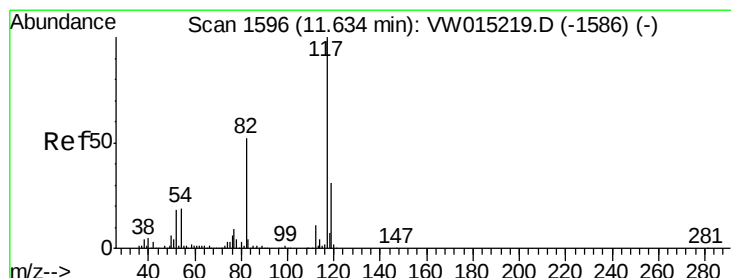
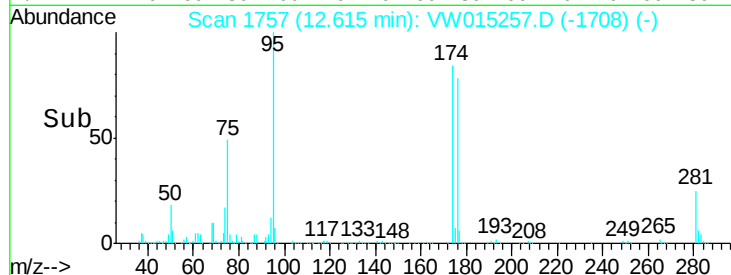
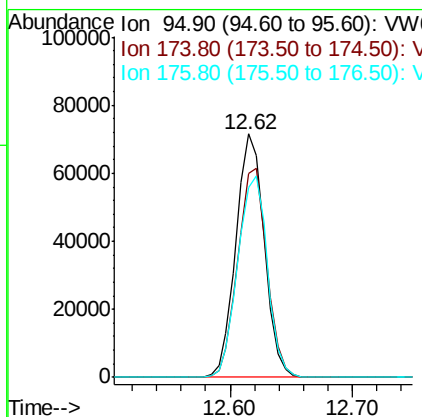
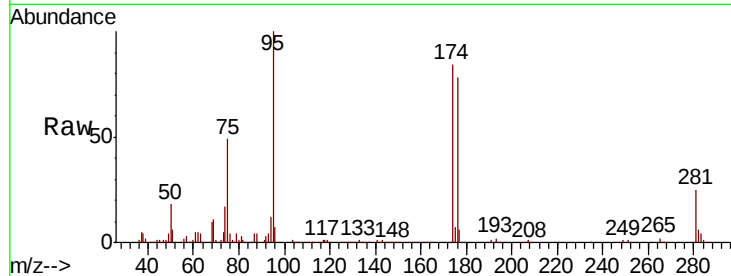




#62
4-Bromofluorobenzene
Concen: 44.332 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

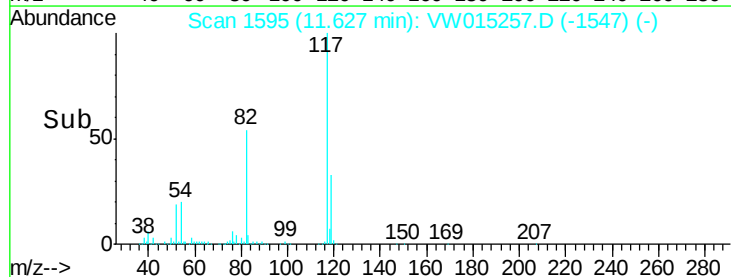
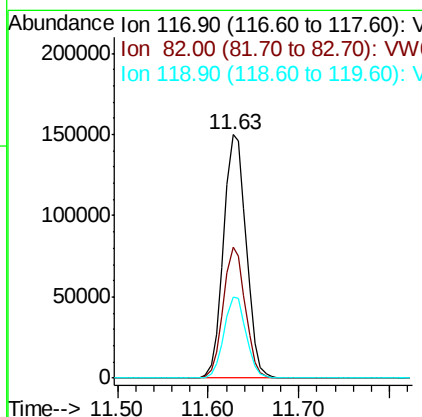
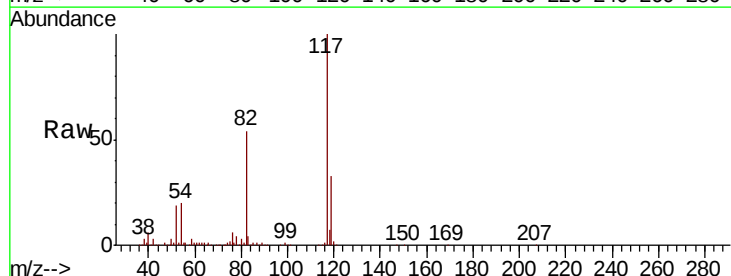
Instrument :
MSVOA_W
ClientSampled :

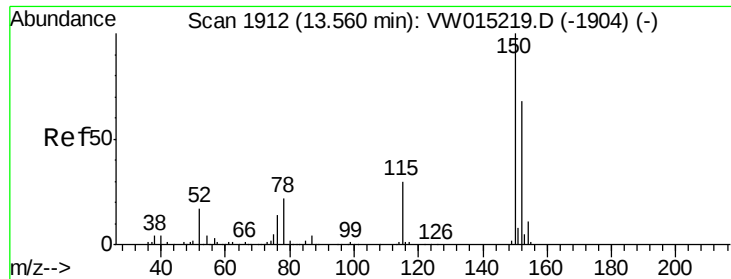
Tot Ion	95	Resp	115060
Ion Ratio	Lower	Upper	
95	100		
174	88.1	0.0	144.4
176	86.2	0.0	140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015257.D
Acq: 21 Apr 2020 13:00

Tgt Ion	117	Resp	260661
Ion Ratio	Lower	Upper	
117	100		
82	53.8	44.1	66.1
119	33.0	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: VW015257.D

Acq: 21 Apr 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

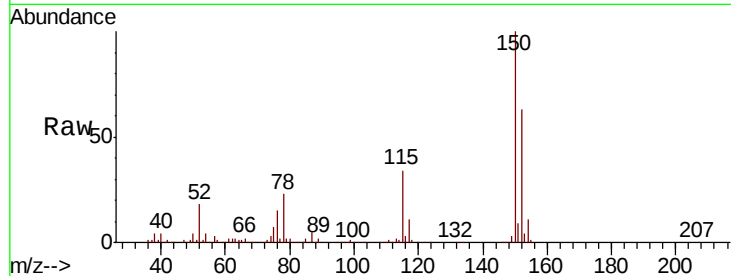
Tot Ion:152 Resp: 108148

Ion Ratio Lower Upper

152 100

115 56.2 31.3 93.9

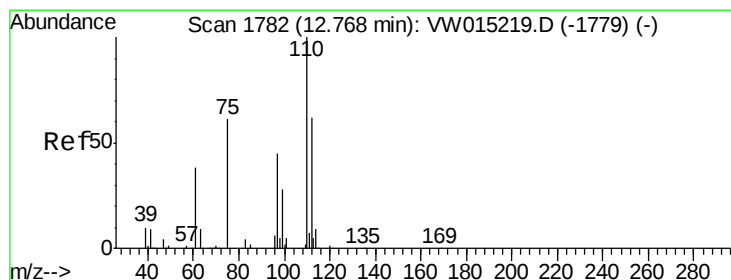
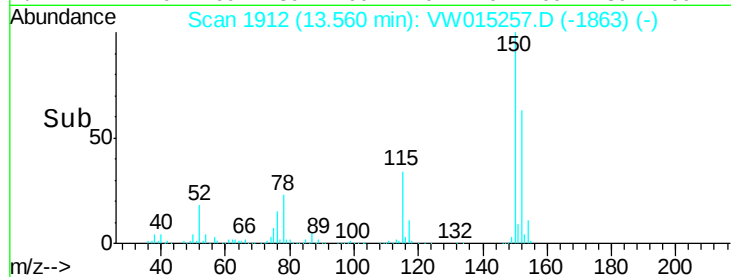
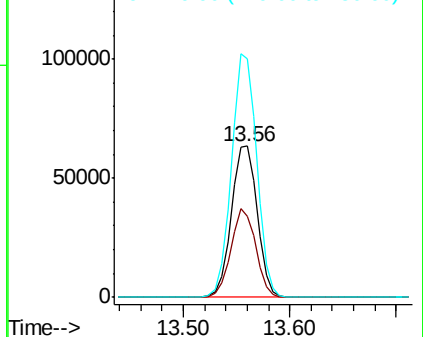
150 157.6 0.0 343.4



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: 68.762 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015257.D

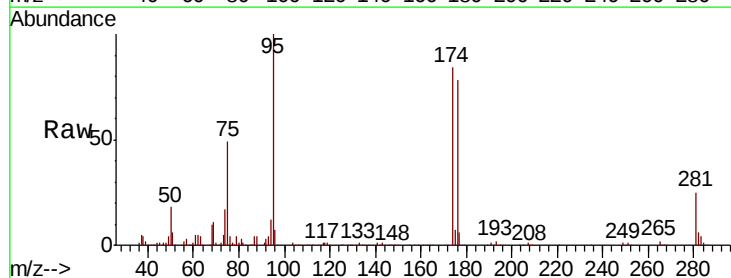
Acq: 21 Apr 2020 13:00

Tgt Ion: 75 Resp: 57529

Ion Ratio Lower Upper

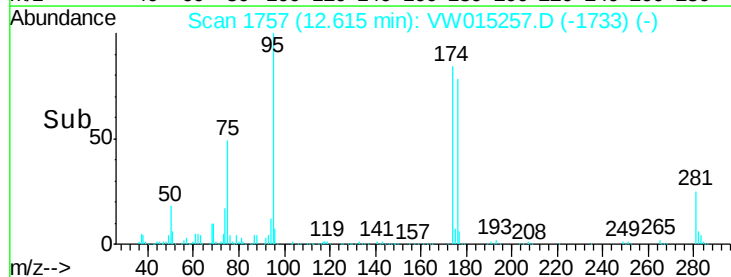
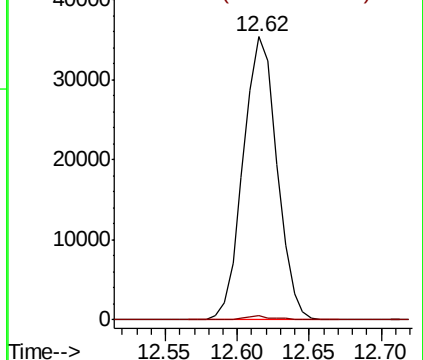
75 100

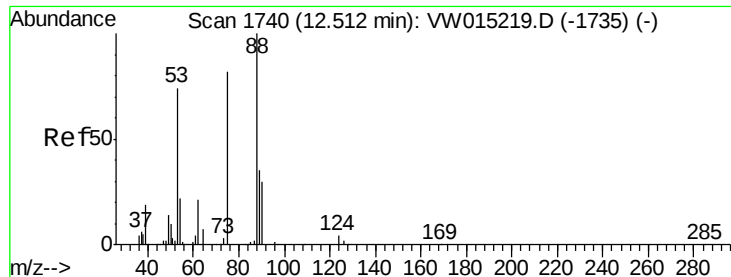
77 1.4 0.0 0.0#



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: 150.314 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015257.D

Acq: 21 Apr 2020 13:00

Instrument :

MSVOA_W

ClientSampleId :

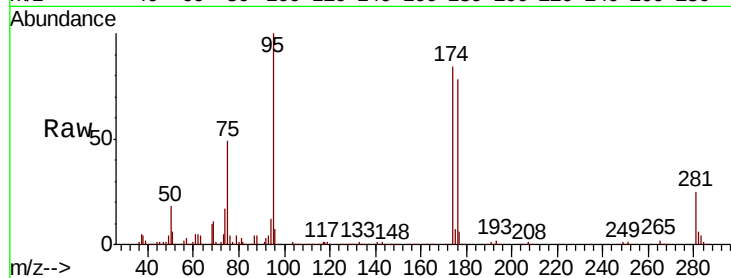
Tot Ion: 75 Resp: 57529

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.2 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

