

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013717.D
 Acq On : 24 Oct 2019 18:02
 Operator : SY/VA
 Sample : K5501-10RE
 Misc : 5.22G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 07:59:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

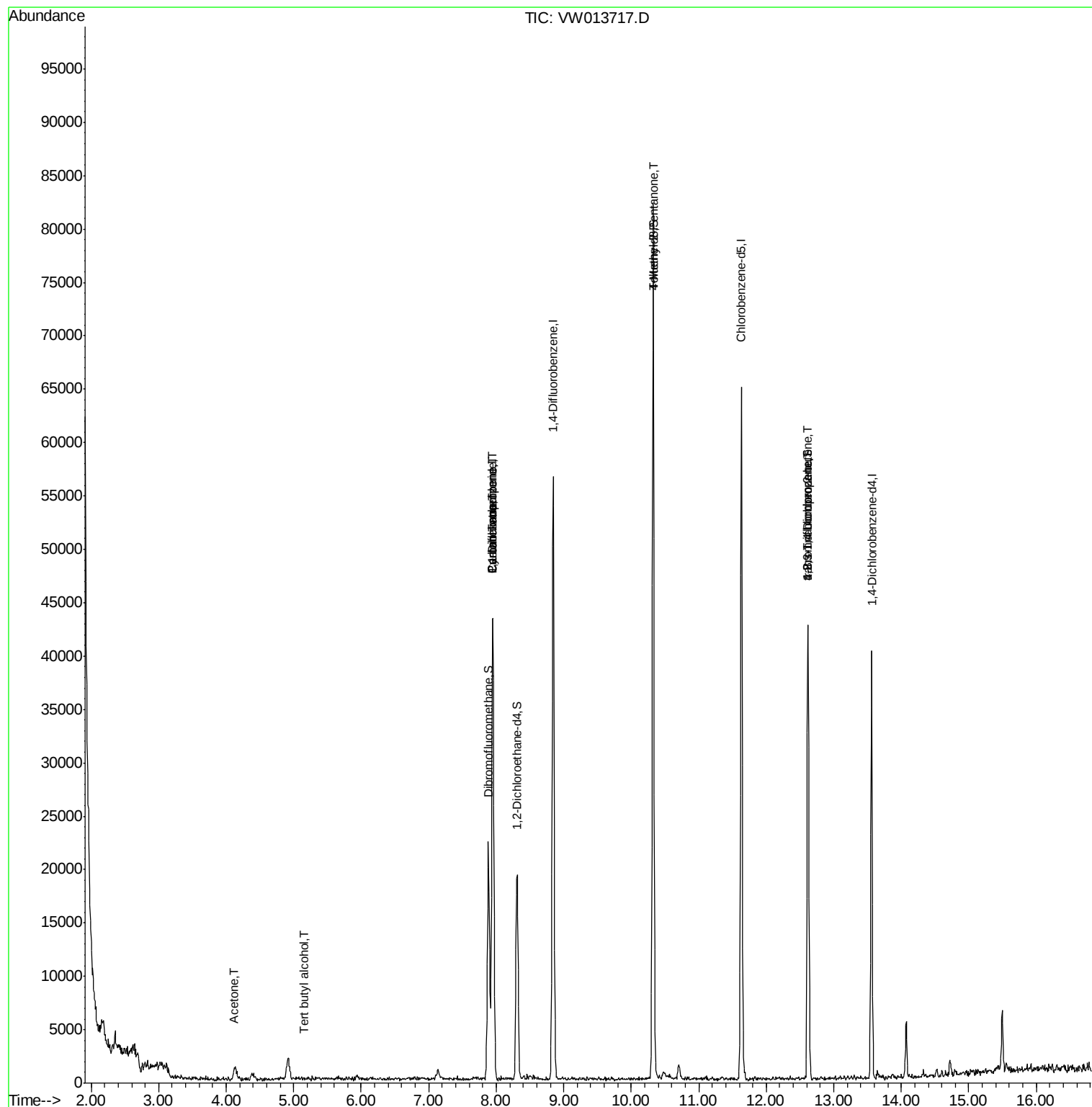
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	36076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	50624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	41327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	10727	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	15910	58.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.58%	
35) Dibromofluoromethane	7.88	113	16029	56.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.96%	
50) Toluene-d8	10.32	98	56259	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	14719	37.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	46	2.847	ug/l #	71
16) Acetone	4.12	43	1127	19.640	ug/l #	82
20) Methylene Chloride	4.91	84	1366	Below Cal		97
31) Cyclohexane	7.95	56	664	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	2545	5.398	ug/l #	44
38) Carbon Tetrachloride	7.95	117	2917	6.871	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	268	1.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	6398	83.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6398	156.959	ug/l #	14

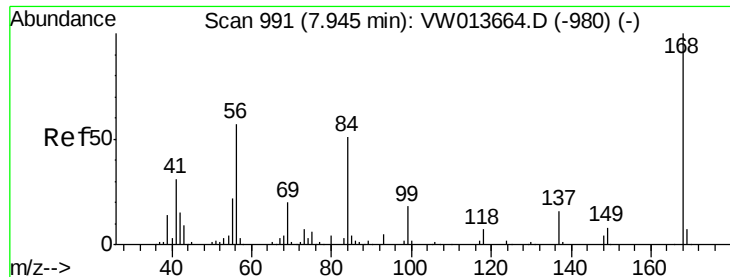
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_W
ClientSampled :

Quant Time: Oct 25 07:59:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013717.D

Acq: 24 Oct 2019 18:02

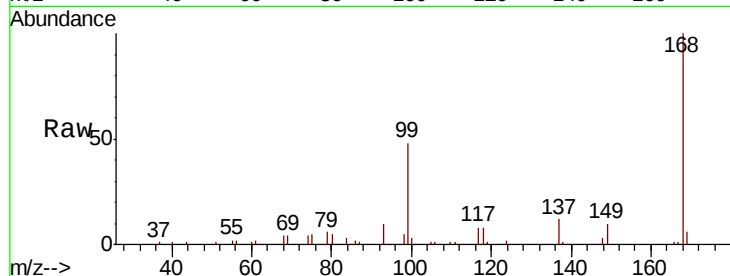
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 36076

Ion Ratio Lower Upper

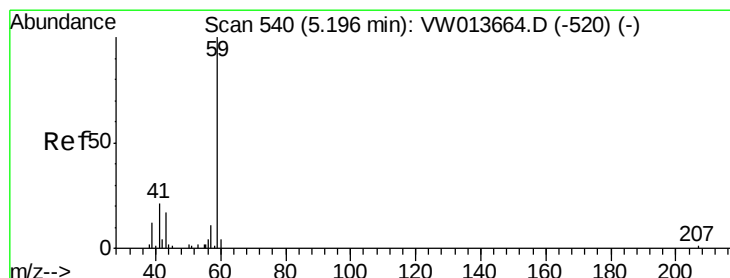
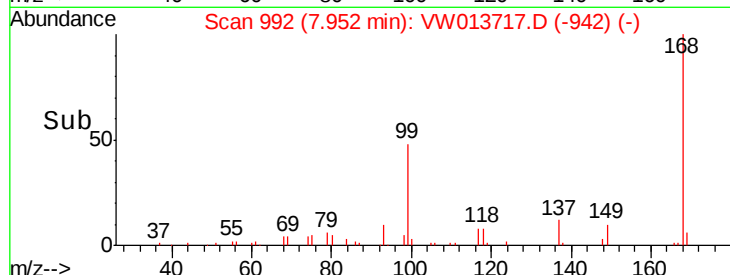
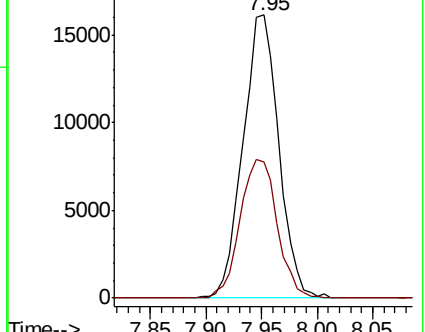
168 100

99 48.2 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.847 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.03 min

Lab File: VW013717.D

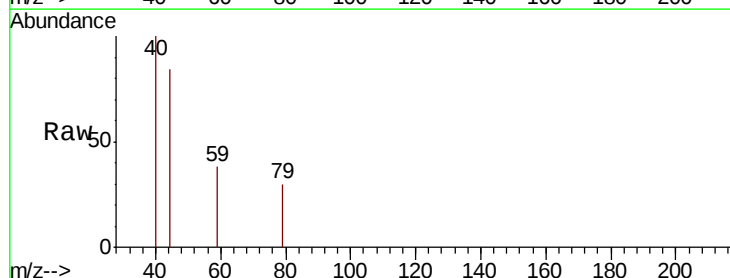
Acq: 24 Oct 2019 18:02

Tgt Ion: 59 Resp: 46

Ion Ratio Lower Upper

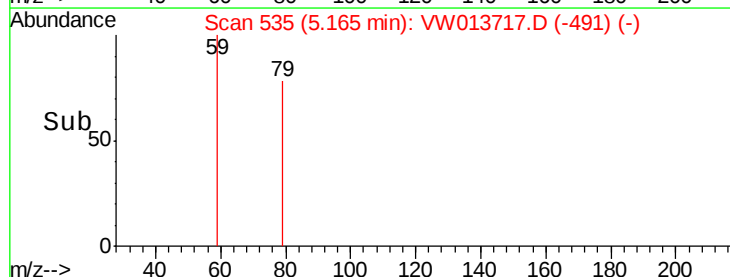
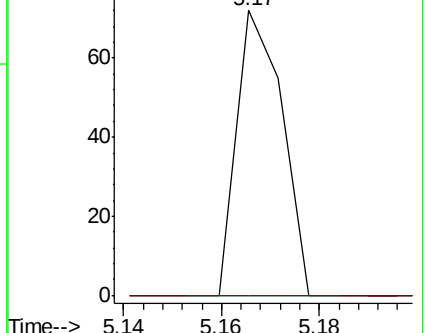
59 100

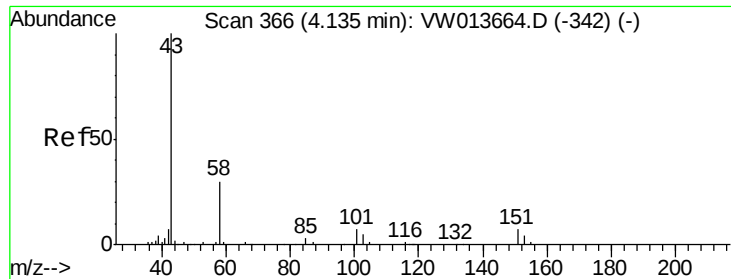
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

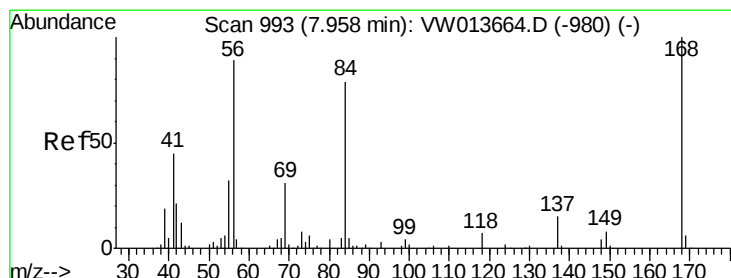
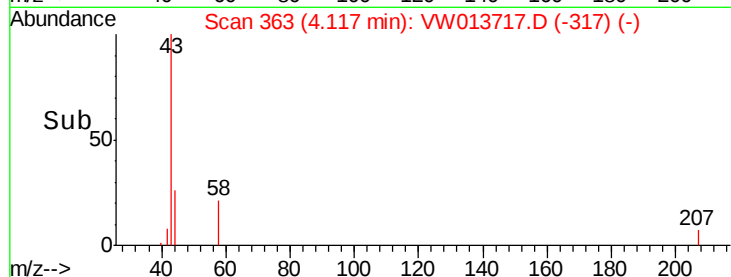
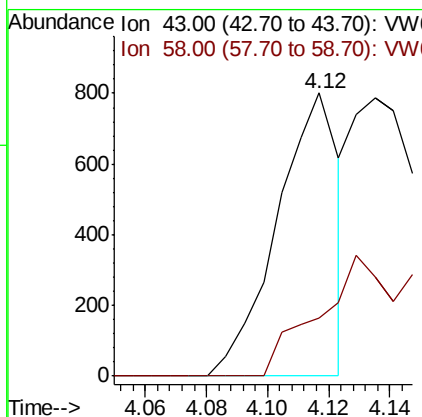
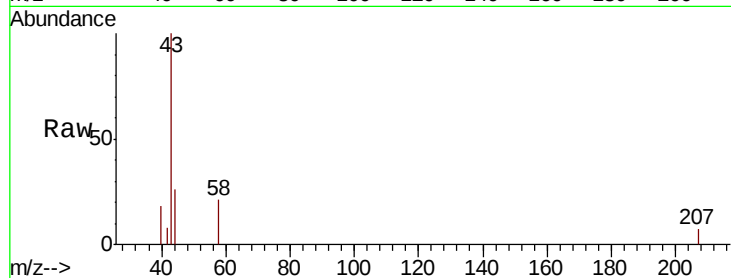




#16
Acetone
Concen: 19.640 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.02 min
Lab File: VW013717.D
Acq: 24 Oct 2019 18:02

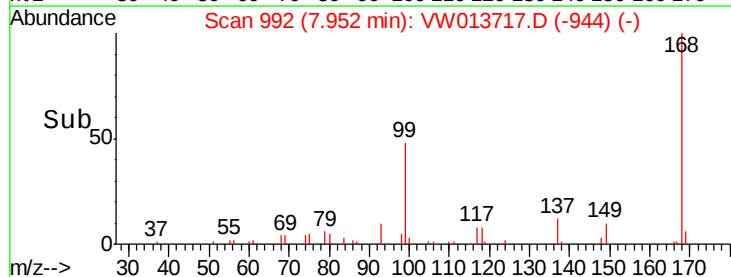
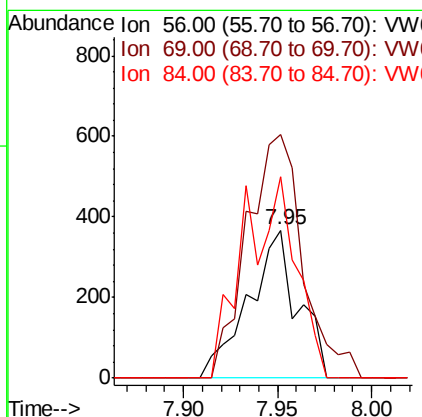
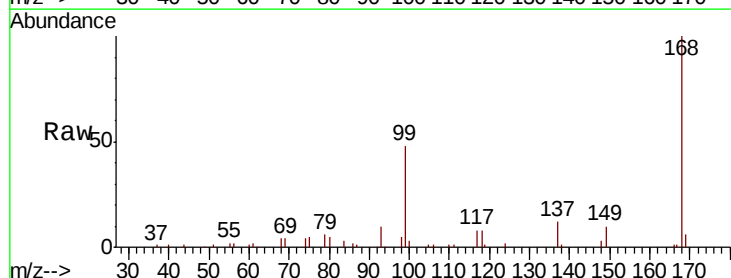
Instrument :
MSVOA_W
ClientSampled :

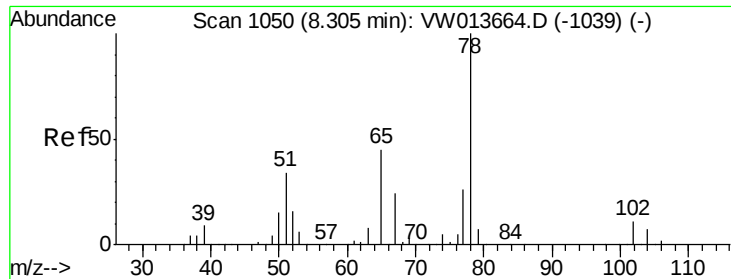
Tot Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 20.6 24.1 36.1#



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013717.D
Acq: 24 Oct 2019 18:02

Tgt Ion: 56 Resp: 664
Ion Ratio Lower Upper
56 100
69 164.1 27.5 41.3#
84 135.9 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 58.789 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013717.D

Acq: 24 Oct 2019 18:02

Instrument :

MSVOA_W

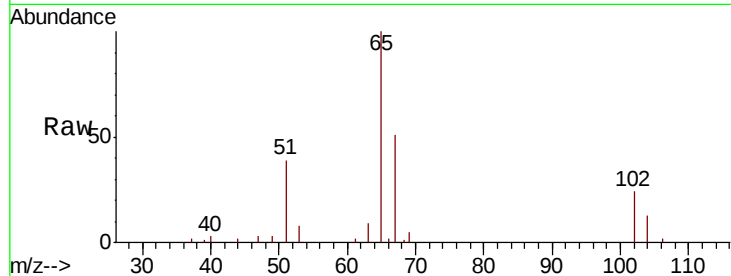
ClientSampled :

Tot Ion: 65 Resp: 15910

Ion Ratio Lower Upper

65 100

67 50.6 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

8000

6000

4000

2000

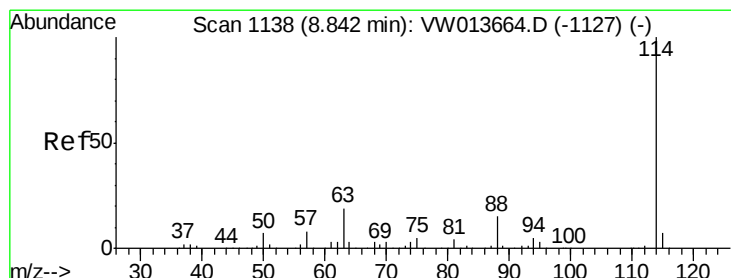
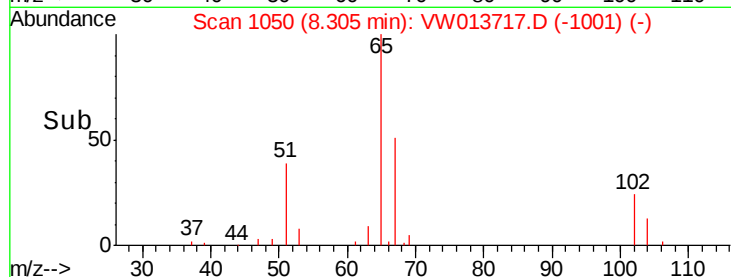
0

Time-->

8.20

8.30

8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW013717.D

Acq: 24 Oct 2019 18:02

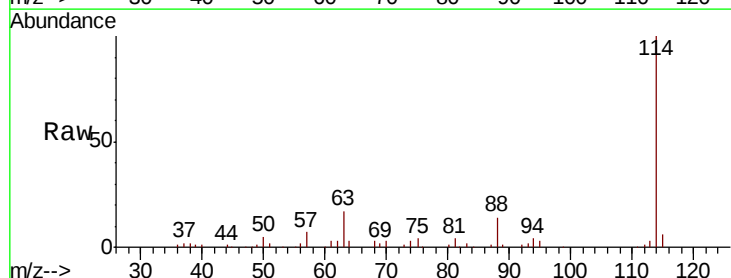
Tgt Ion: 114 Resp: 50624

Ion Ratio Lower Upper

114 100

63 16.9 0.0 37.6

88 14.0 0.0 30.2



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

30000

20000

10000

0

Time-->

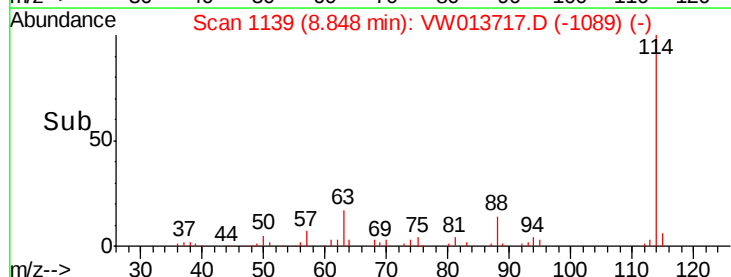
8.75

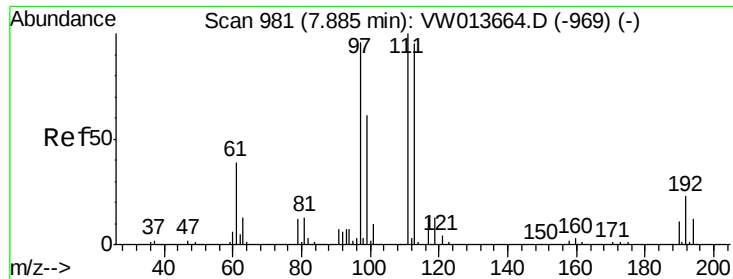
8.80

8.85

8.90

8.95

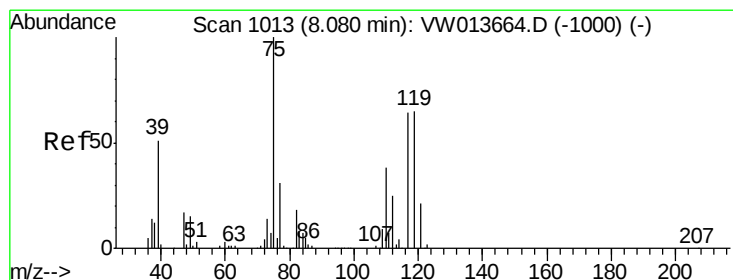
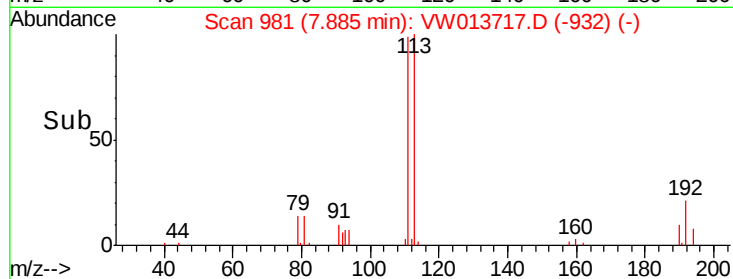
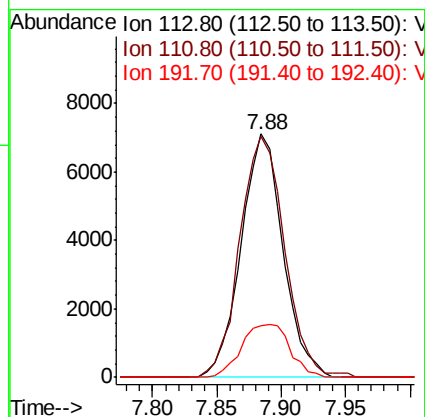
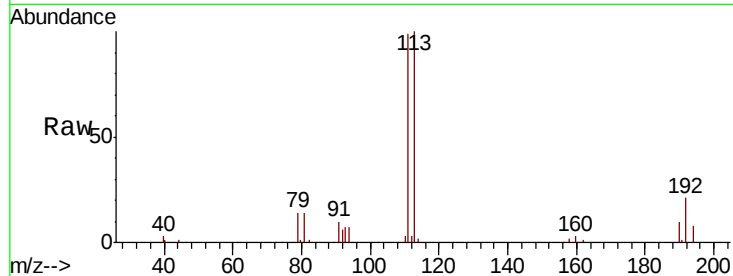




#35
 Dibromofluoromethane
 Concen: 56.983 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

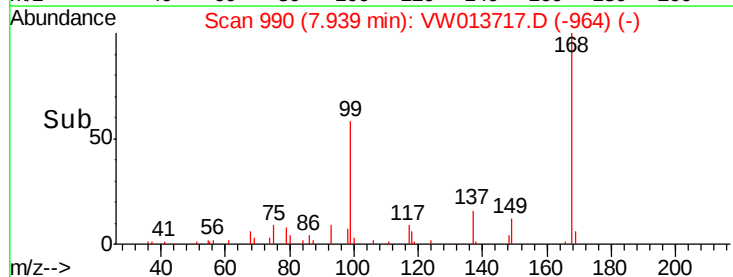
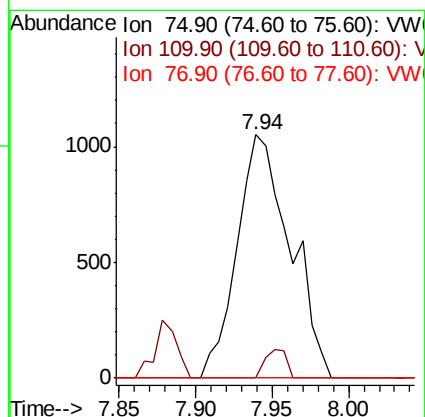
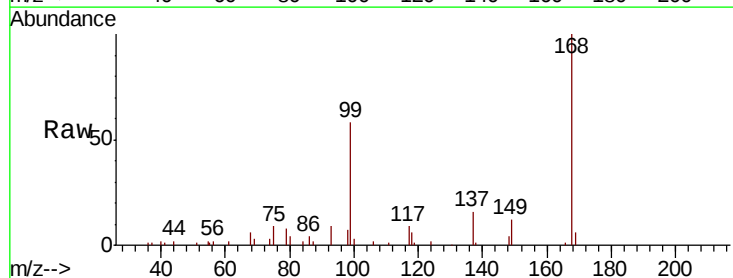
Instrument :
 MSVOA_W
 ClientSampleId :

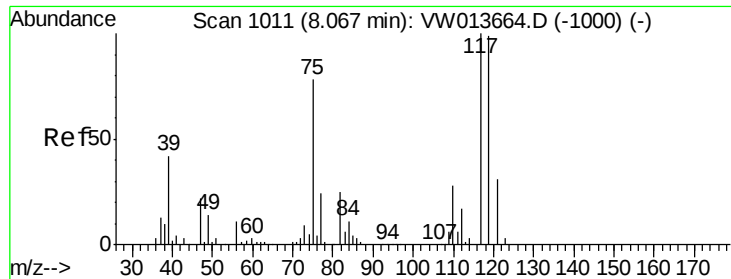
Tot Ion:113 Resp: 16029
 Ion Ratio Lower Upper
 113 100
 111 106.0 83.0 124.6
 192 24.9 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 5.398 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

Tgt Ion: 75 Resp: 2545
 Ion Ratio Lower Upper
 75 100
 110 4.8 18.7 56.1#
 77 0.0 25.4 38.0#

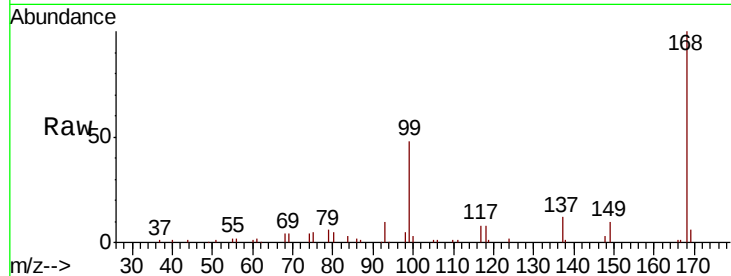




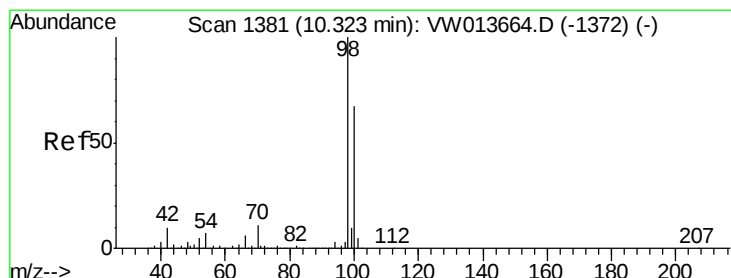
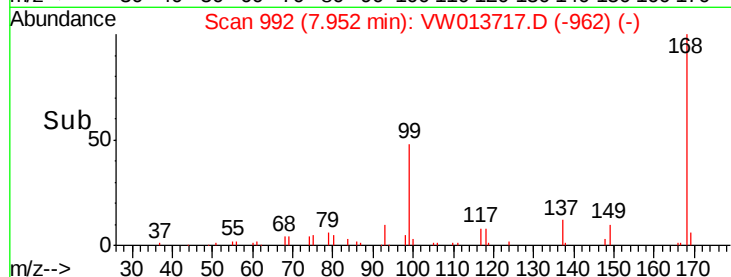
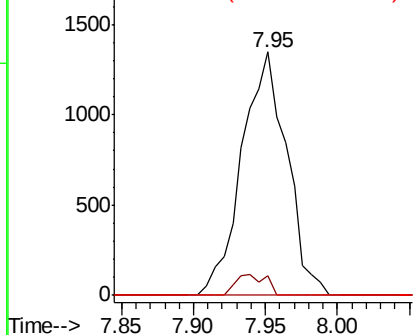
#38
Carbon Tetrachloride
Concen: 6.871 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW013717.D
Acq: 24 Oct 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 2917
Ion Ratio Lower Upper
117 100
119 8.3 79.0 118.4#
121 0.0 24.5 36.7#

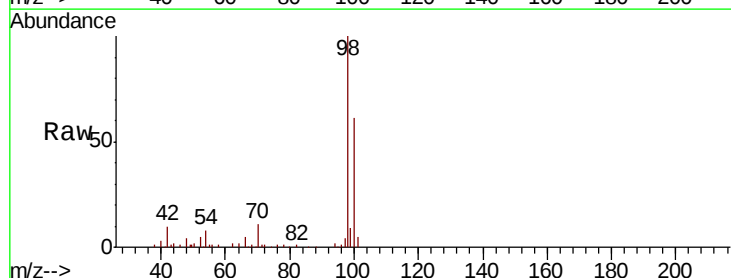


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

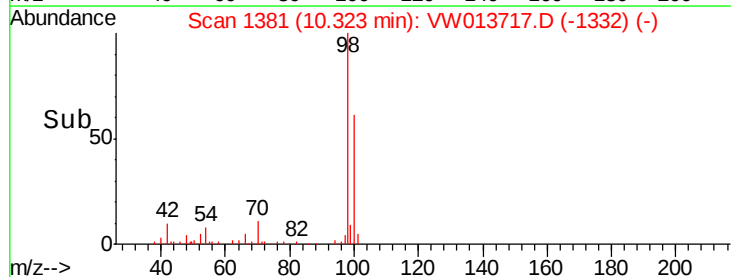
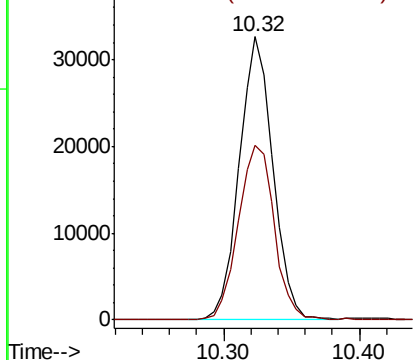


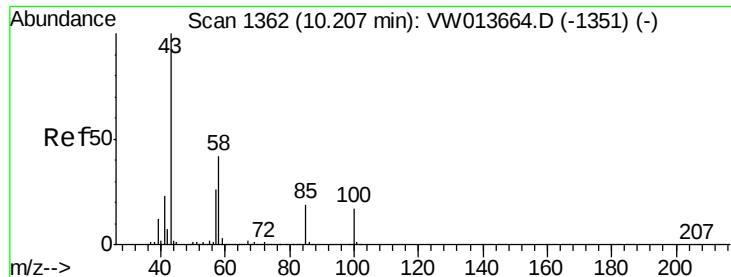
#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013717.D
Acq: 24 Oct 2019 18:02

Tgt Ion: 98 Resp: 56259
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



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

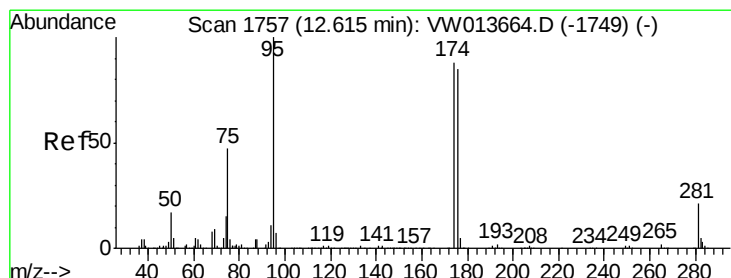
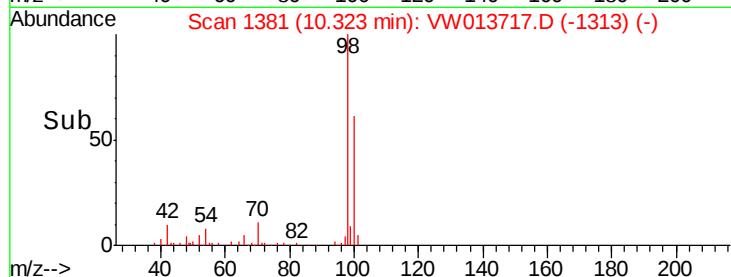
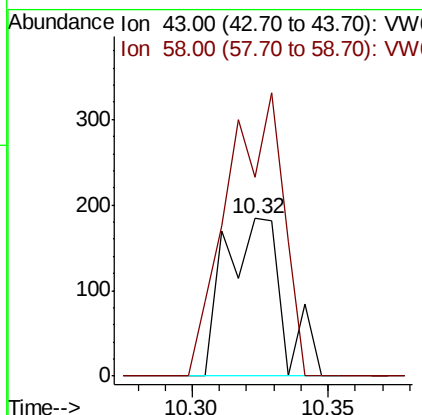
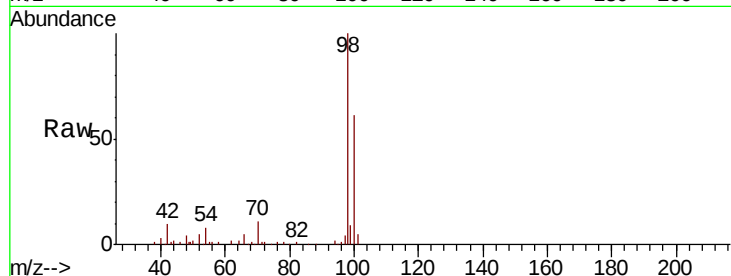




#51
 4-Methyl-2-Pentanone
 Concen: 1.561 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.12 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

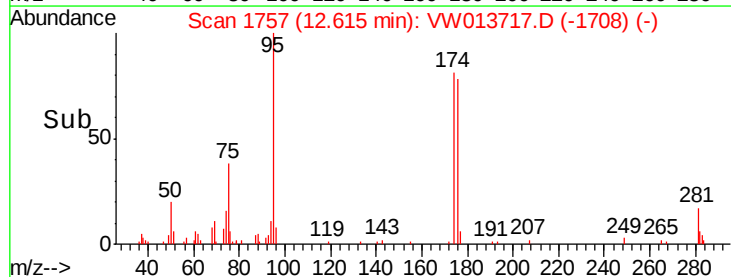
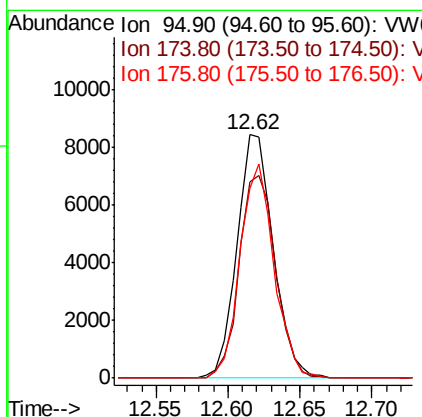
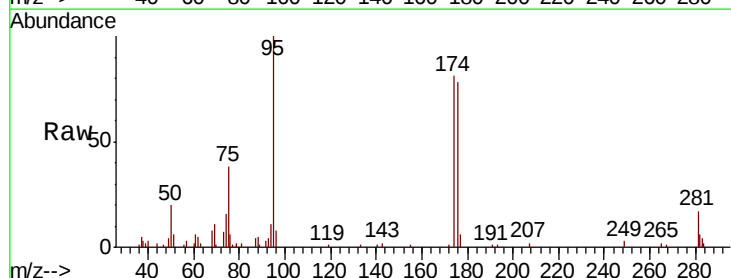
Instrument :
 MSVOA_W
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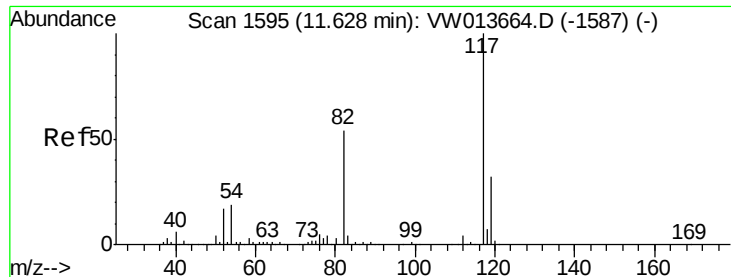
Tot Ion: 43 Resp: 268
 Ion Ratio Lower Upper
 43 100
 58 175.4 32.6 49.0#



#62
 4-Bromofluorobenzene
 Concen: 37.925 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

Tgt Ion: 95 Resp: 14719
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 183.6
 176 82.5 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013717.D

Acq: 24 Oct 2019 18:02

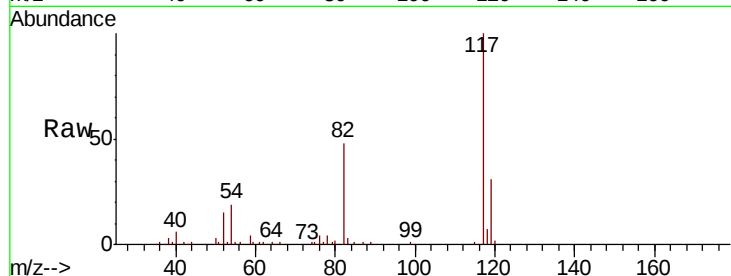
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:117 Resp: 41327

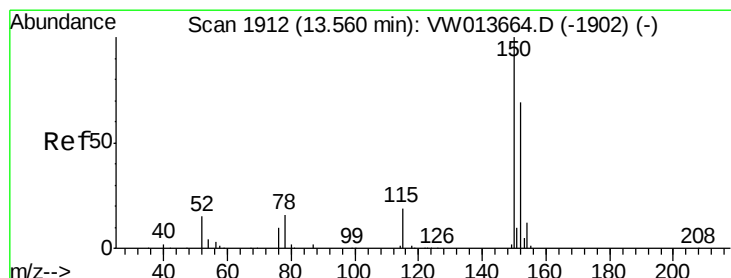
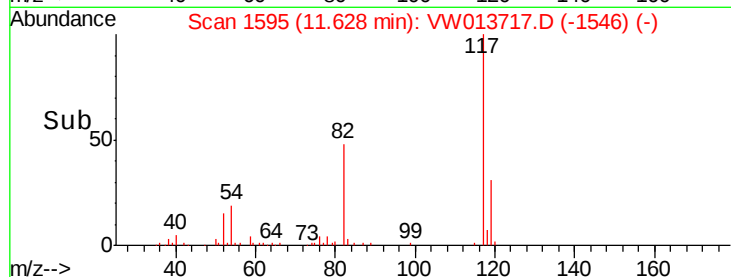
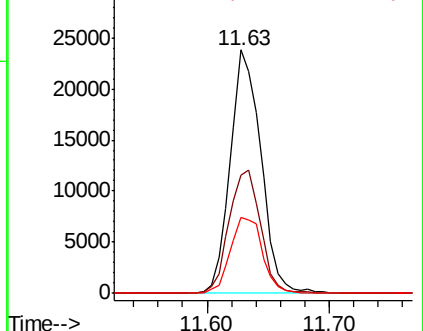
Ion	Ratio	Lower	Upper
117	100		
82	48.4	43.6	65.4
119	31.1	25.4	38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

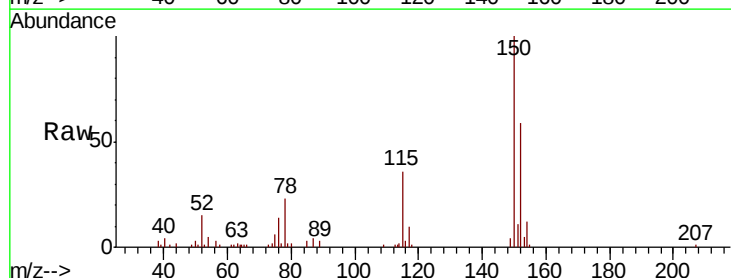
Delta R.T. 0.00 min

Lab File: VW013717.D

Acq: 24 Oct 2019 18:02

Tgt Ion:152 Resp: 10727

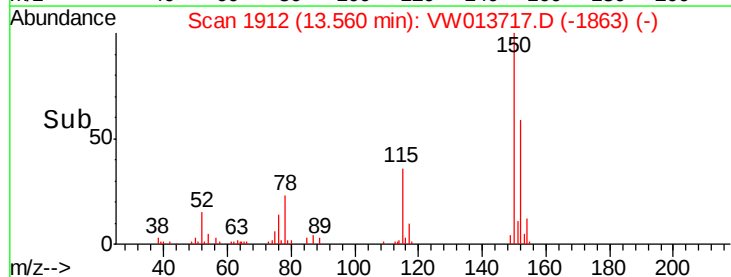
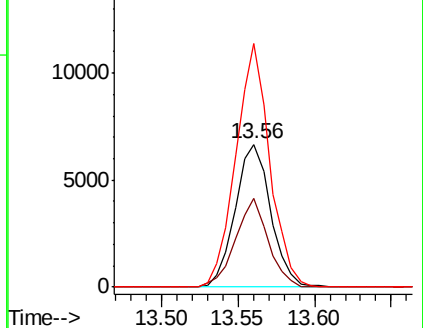
Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.4	82.2
150	162.3	0.0	345.4

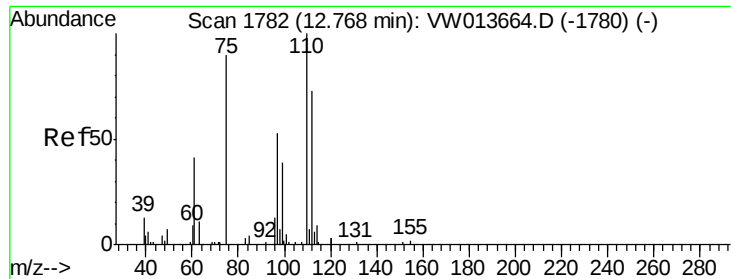


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

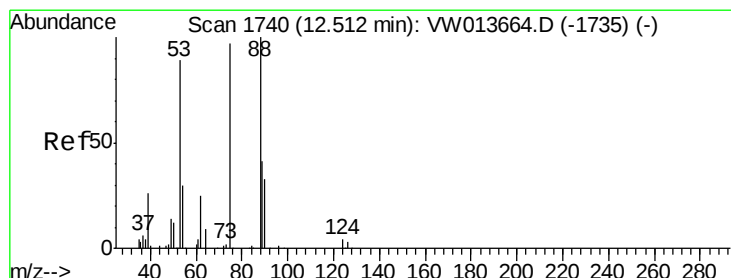
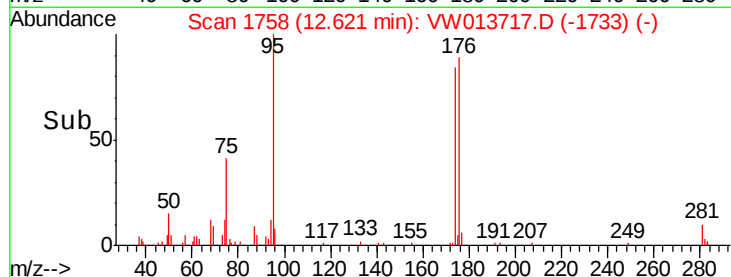
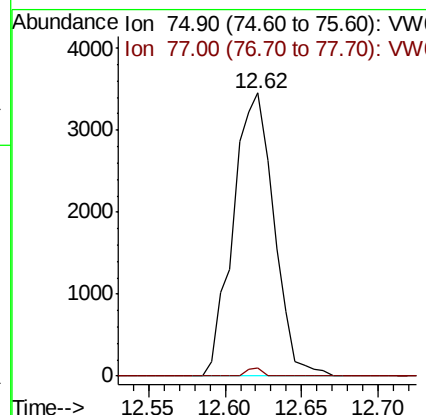
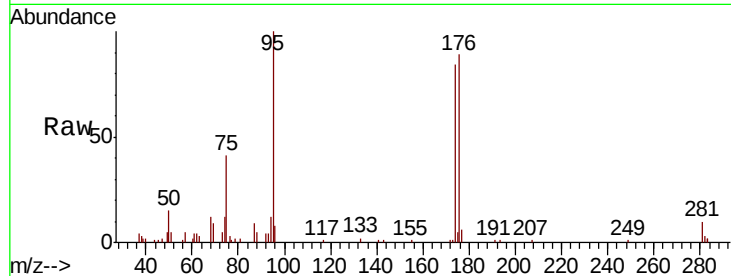




#76
 1,2,3-Trichloropropane
 Concen: 83.053 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 6398
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.959 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW013717.D
 Acq: 24 Oct 2019 18:02

Tgt Ion: 75 Resp: 6398
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.7 107.5#
 89 0.3 35.8 53.8#

