

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013358.D
 Acq On : 01 Oct 2019 03:49
 Operator : SY/VA
 Sample : K4946-09
 Misc : 6.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (10-12)

Quant Time: Oct 01 05:43:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	310147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167094	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	136430	53.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.80%	
35) Dibromofluoromethane	7.88	113	137573	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	572452	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	177491	47.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.22%	

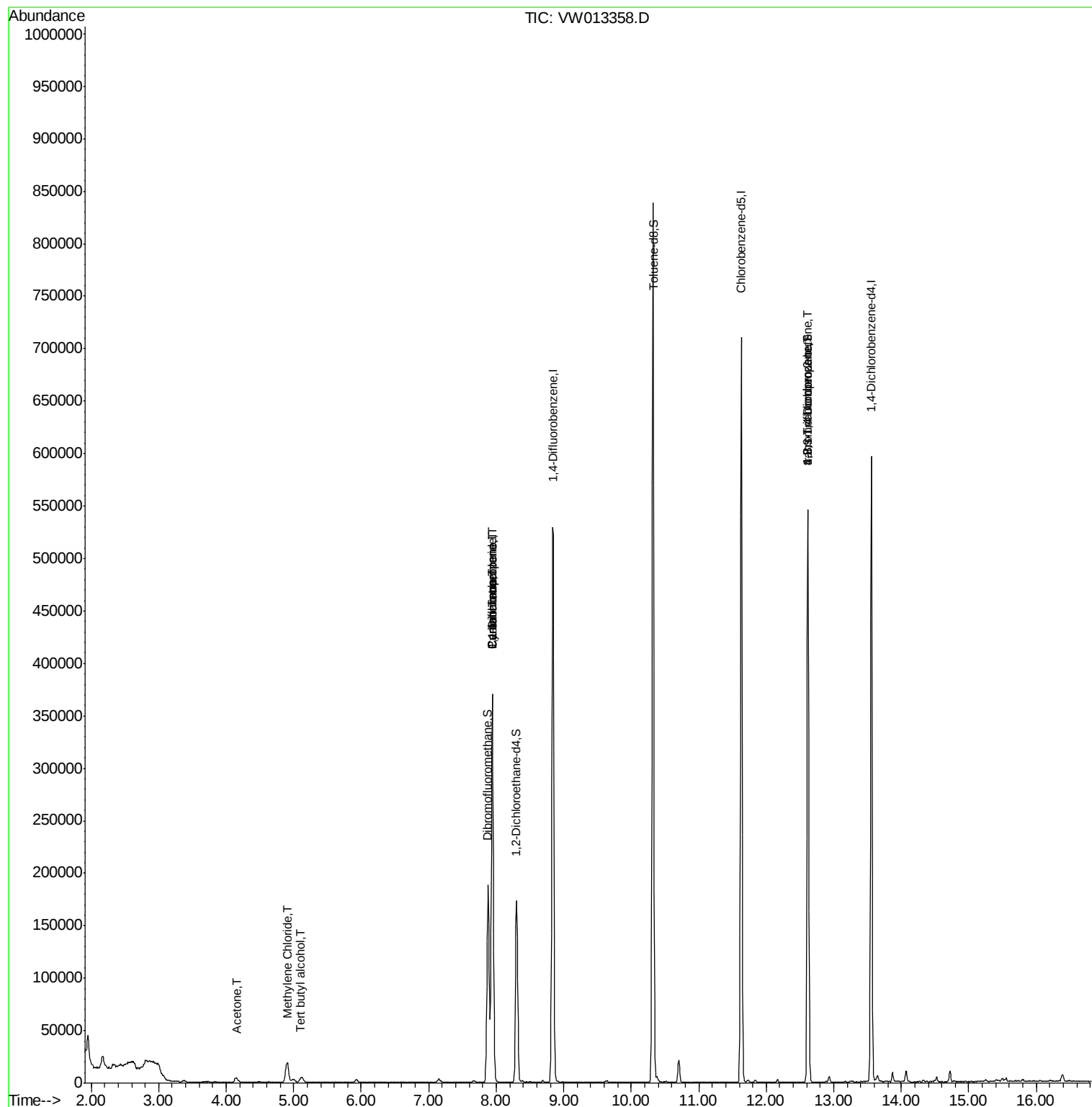
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	4921	17.610	ug/l #	73
16) Acetone	4.15	43	9674	16.947	ug/l	97
20) Methylene Chloride	4.91	84	15231	2.455	ug/l	92
26) 2,2-Dichloropropane	7.14	77	191	Below Cal	#	52
31) Cyclohexane	7.93	56	5557	1.013	ug/l #	8
36) 1,1-Dichloropropene	7.94	75	19283	4.199	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26076	6.334	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82983	56.235	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82983	126.185	ug/l #	12

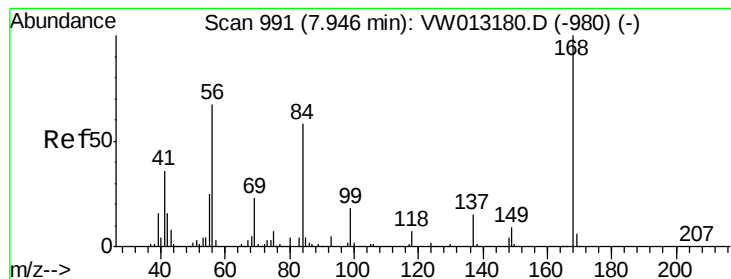
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013358.D

Acq: 01 Oct 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

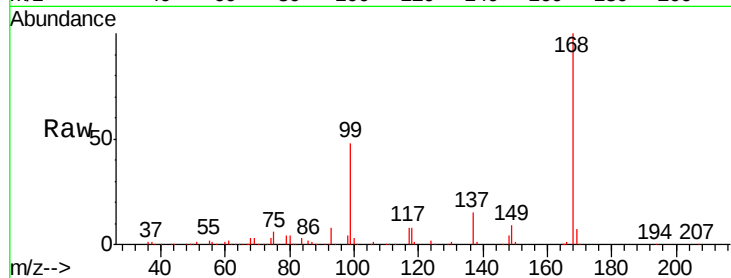
GP-4 (10-12)

Tgt Ion:168 Resp: 310147

Ion Ratio Lower Upper

168 100

99 48.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

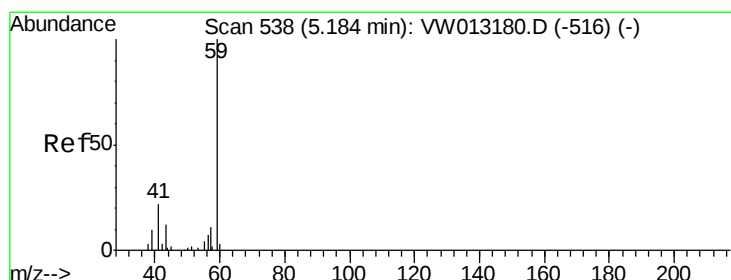
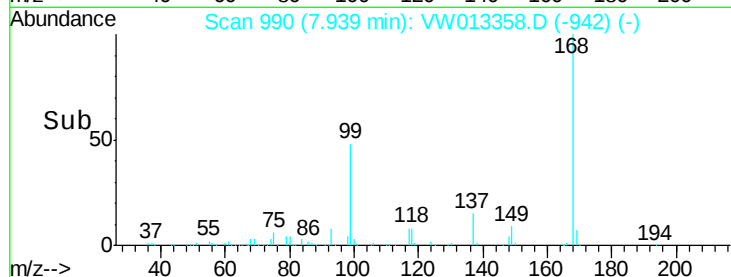
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 17.610 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.08 min

Lab File: VW013358.D

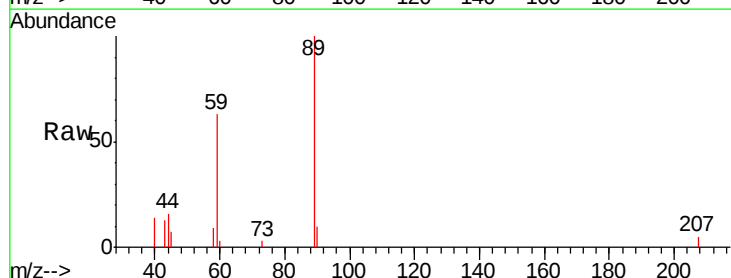
Acq: 01 Oct 2019 03:49

Tgt Ion: 59 Resp: 4921

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.10

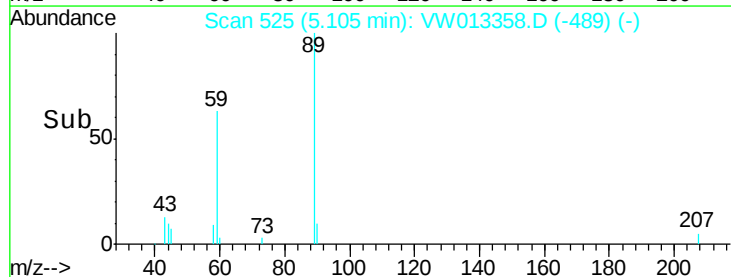
1500

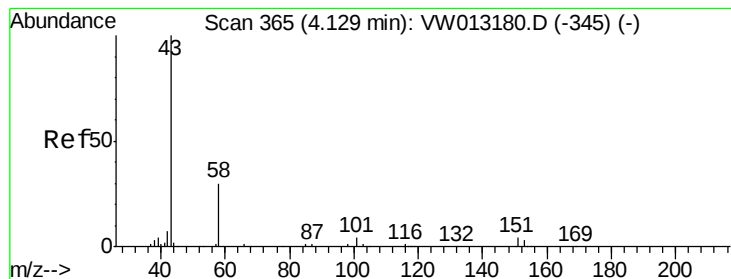
1000

500

0

Time-->





#16

Acetone

Concen: 16.947 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.02 min

Lab File: VW013358.D

Acq: 01 Oct 2019 03:49

Instrument :

MSVOA_W

ClientSampled :

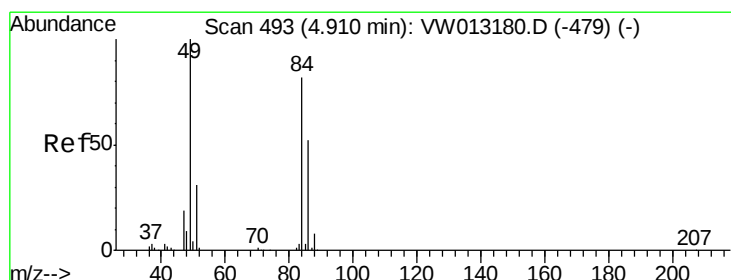
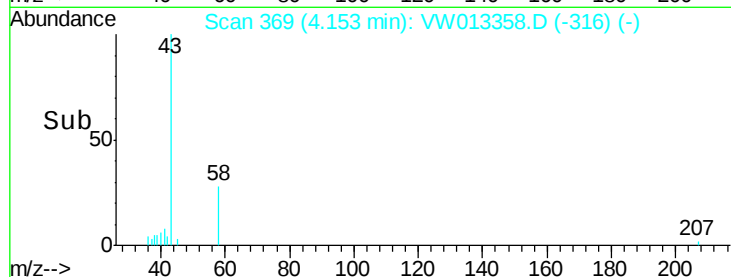
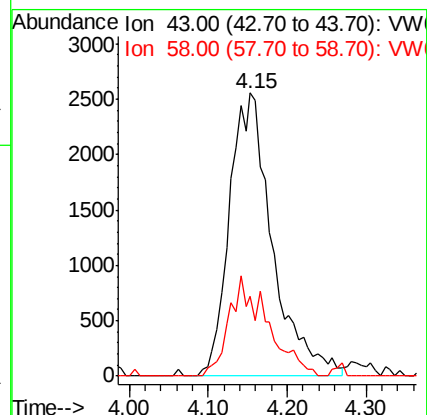
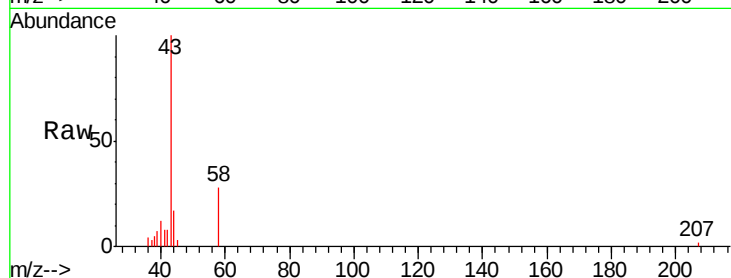
GP-4 (10-12)

Tgt Ion: 43 Resp: 9674

Ion Ratio Lower Upper

43 100

58 28.3 24.1 36.1



#20

Methylene Chloride

Concen: 2.455 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013358.D

Acq: 01 Oct 2019 03:49

Tgt Ion: 84 Resp: 15231

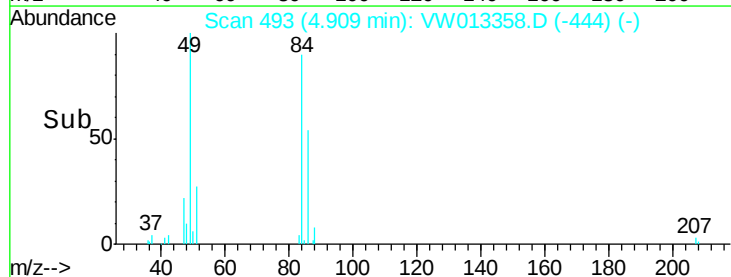
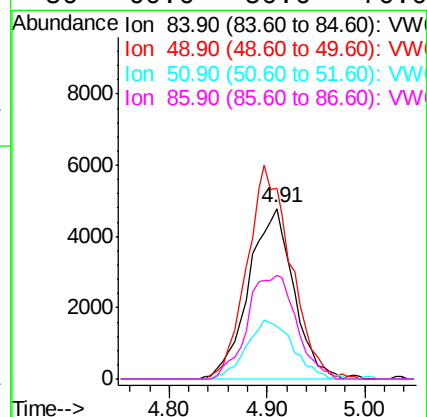
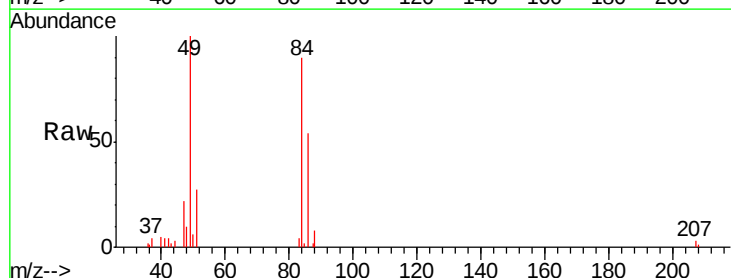
Ion Ratio Lower Upper

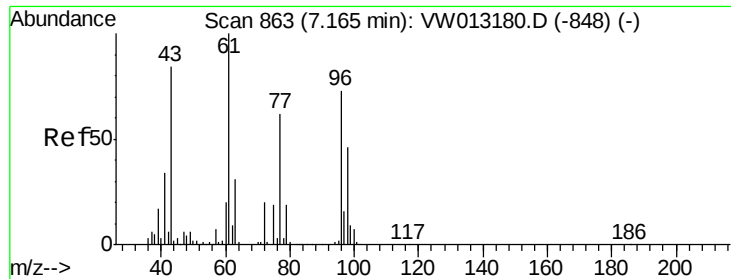
84 100

49 111.6 97.6 146.4

51 30.4 30.2 45.2

86 60.6 50.6 76.0

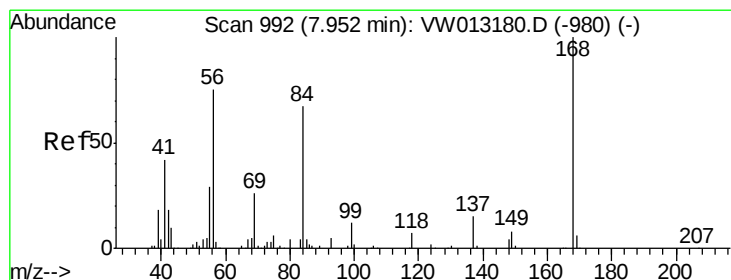
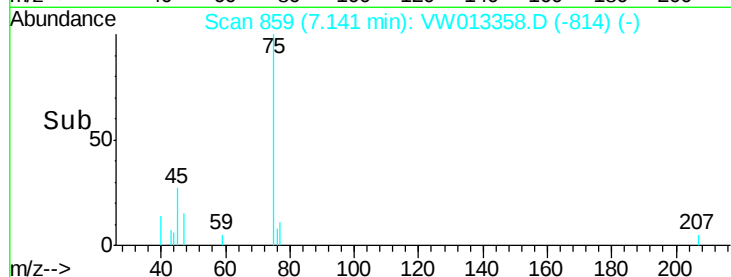
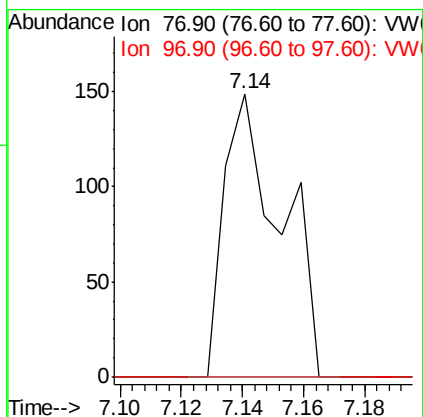
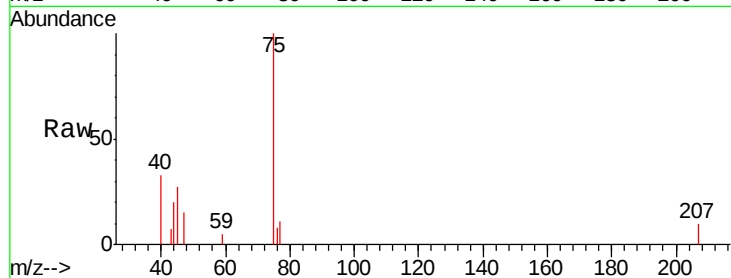




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

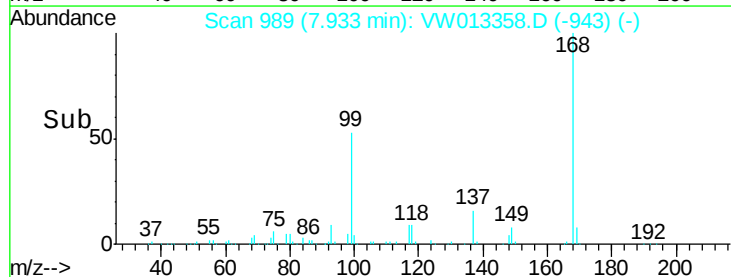
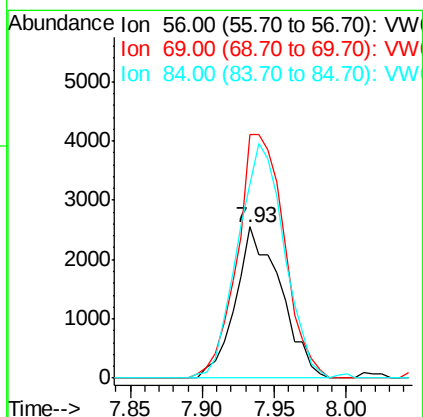
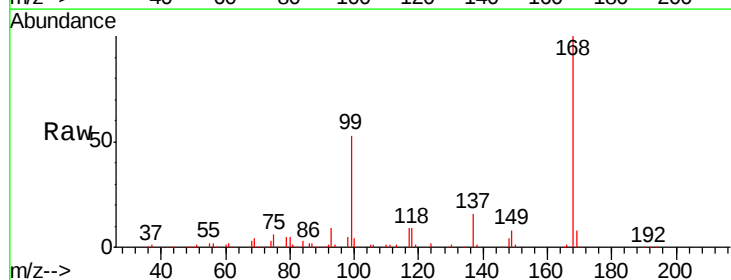
Instrument :
MSVOA_W
ClientSampleId :
GP-4 (10-12)

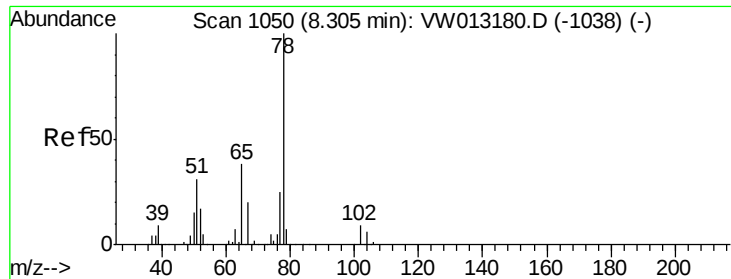
Tgt Ion: 77 Resp: 191
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

Tgt Ion: 56 Resp: 5557
Ion Ratio Lower Upper
56 100
69 161.4 27.2 40.8#
84 128.3 70.8 106.2#

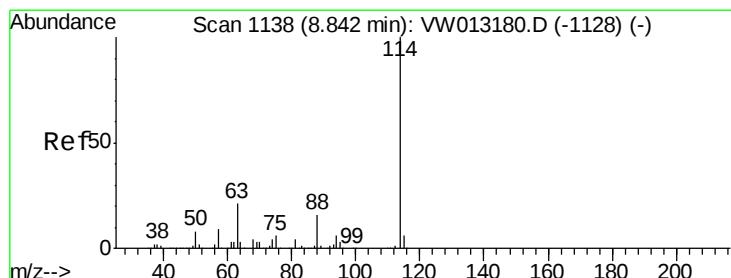
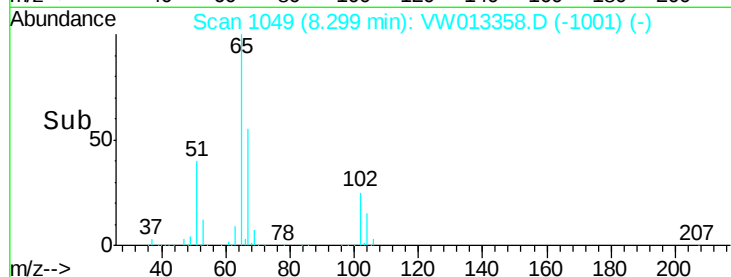
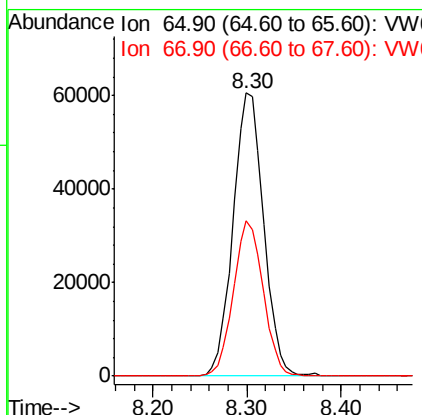
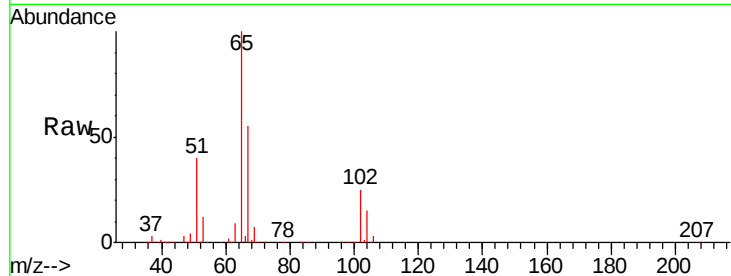




#33
 1,2-Dichloroethane-d4
 Concen: 53.898 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013358.D
 Acq: 01 Oct 2019 03:49

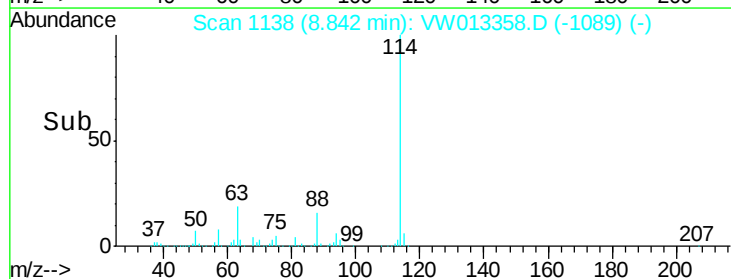
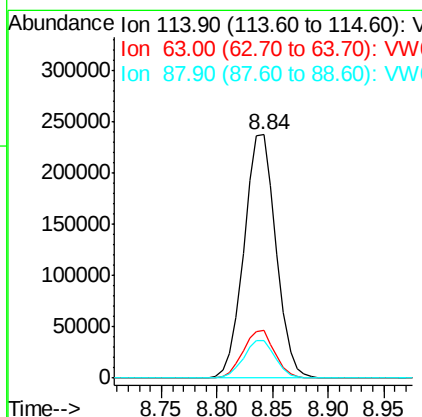
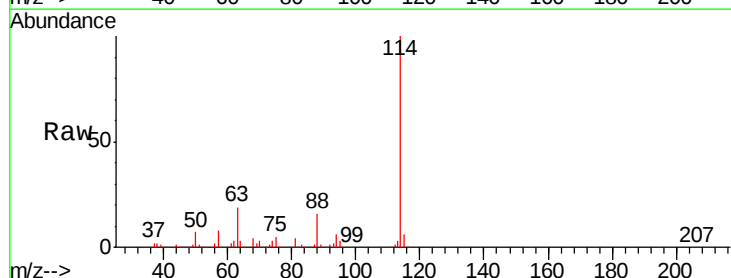
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (10-12)

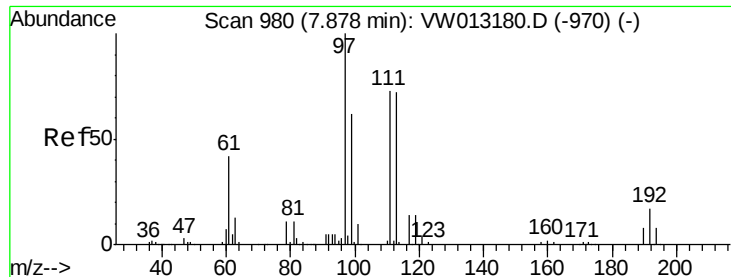
Tgt Ion: 65 Resp: 136430
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013358.D
 Acq: 01 Oct 2019 03:49

Tgt Ion: 114 Resp: 474112
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.5 0.0 32.0

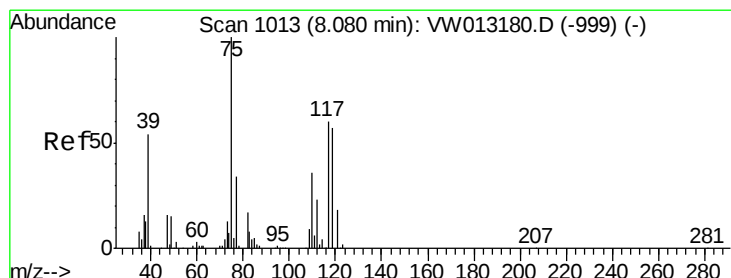
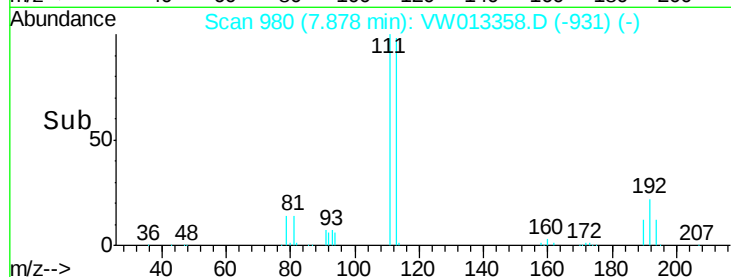
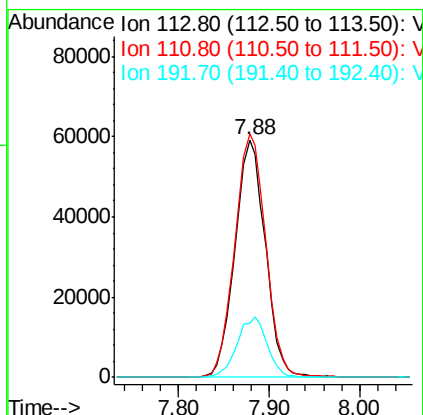
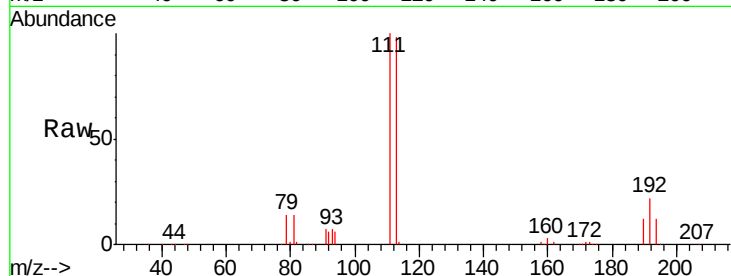




#35
 Dibromofluoromethane
 Concen: 52.758 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013358.D
 Acq: 01 Oct 2019 03:49

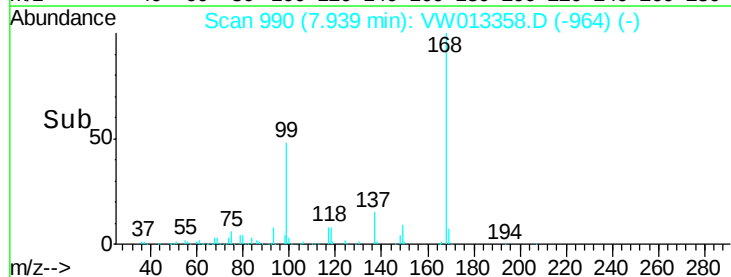
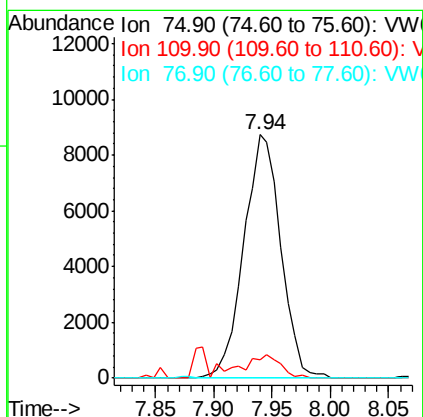
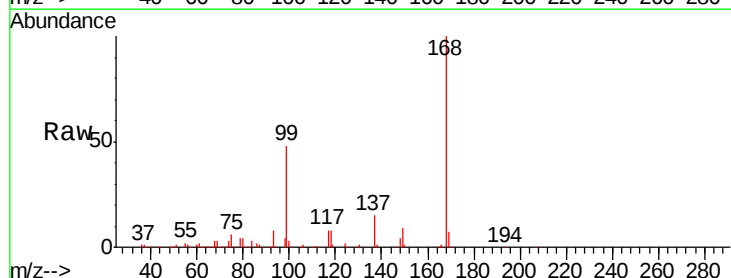
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (10-12)

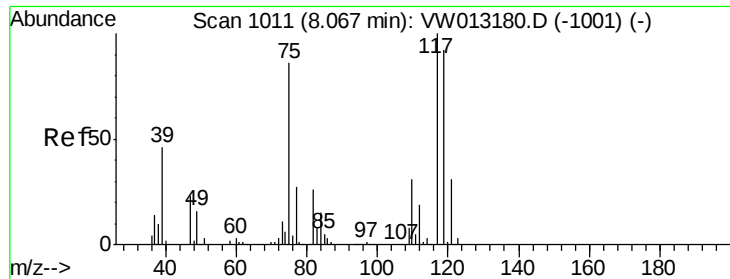
Tgt Ion: 113 Resp: 137573
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.9 122.9
 192 25.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.199 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013358.D
 Acq: 01 Oct 2019 03:49

Tgt Ion: 75 Resp: 19283
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.1 54.3#
 77 0.0 25.8 38.6#

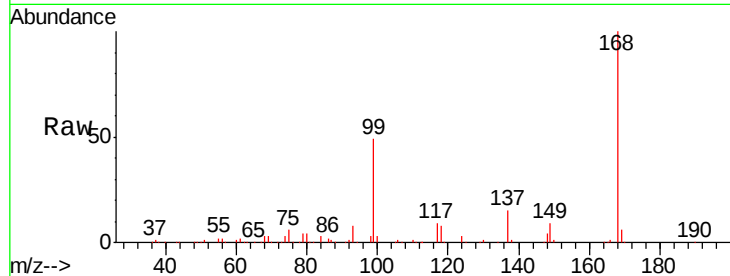




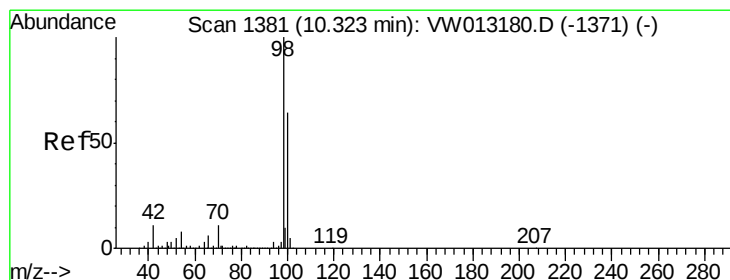
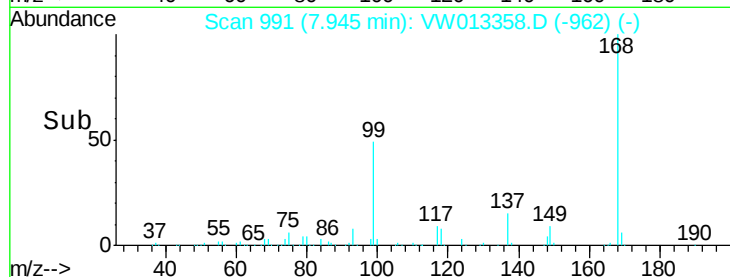
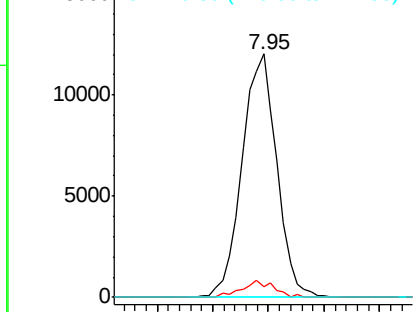
#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

Instrument :
MSVOA_W
ClientSampleId :
GP-4 (10-12)

Tgt Ion: 117 Resp: 26076
Ion Ratio Lower Upper
117 100
119 4.4 73.5 110.3#
121 0.0 25.0 37.6#

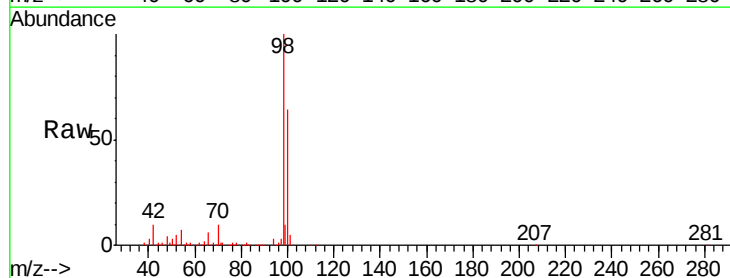


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

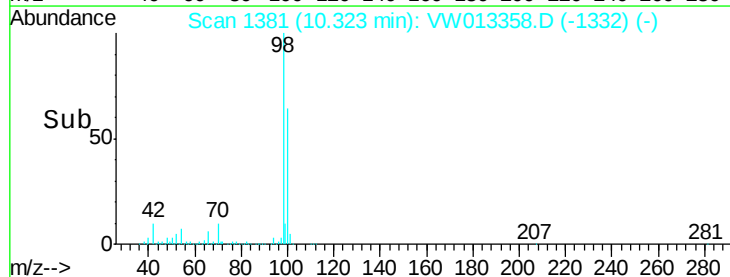
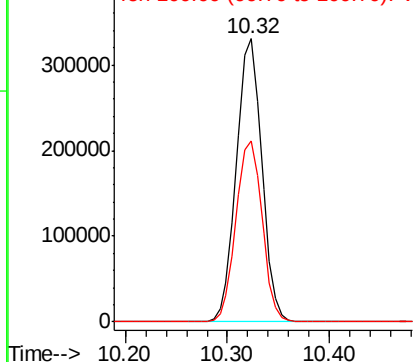


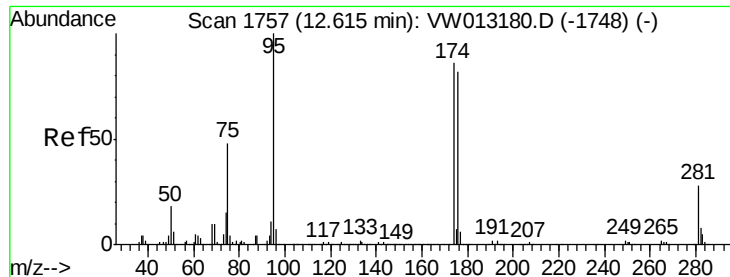
#50
Toluene-d8
Concen: 52.455 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

Tgt Ion: 98 Resp: 572452
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



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

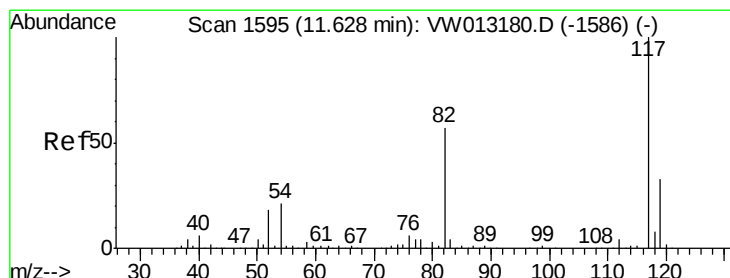
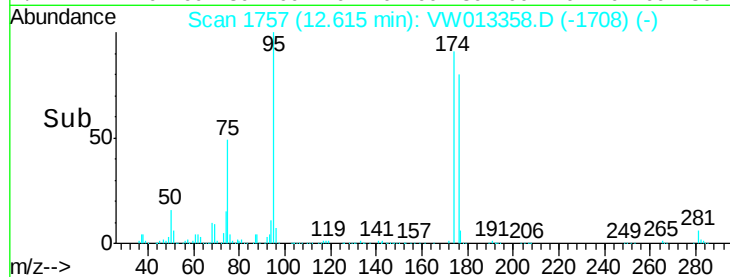
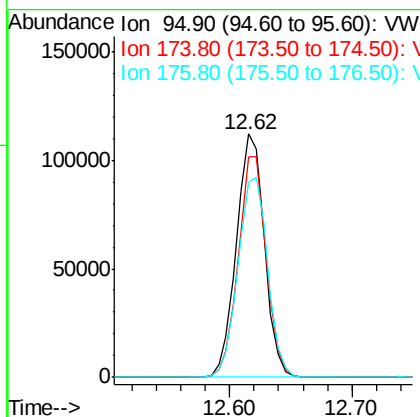
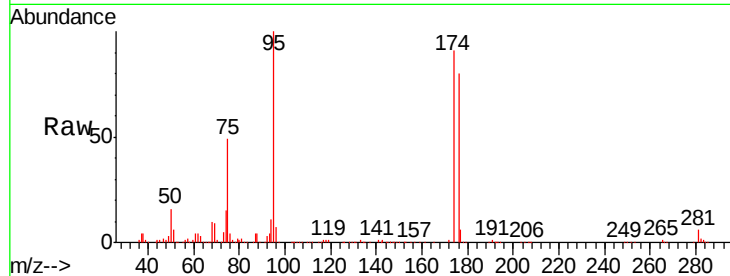




#62
4-Bromofluorobenzene
Concen: 47.612 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

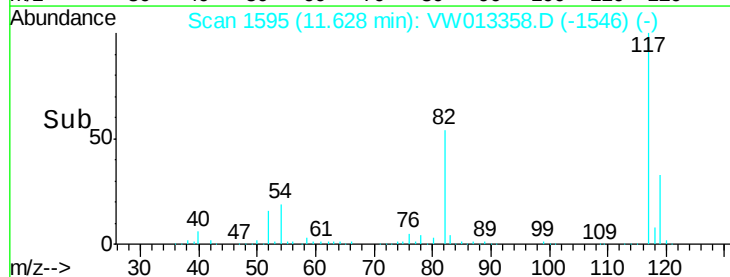
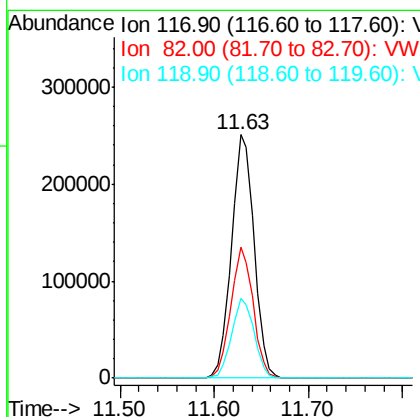
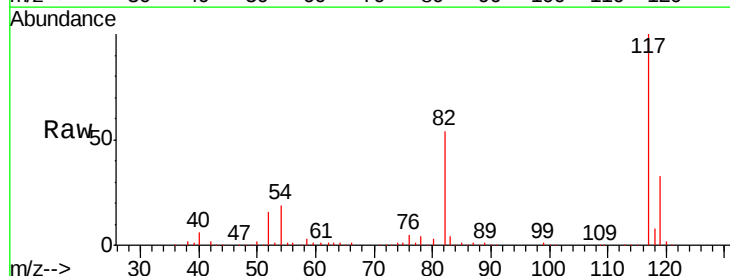
Instrument :
MSVOA_W
ClientSampleId :
GP-4 (10-12)

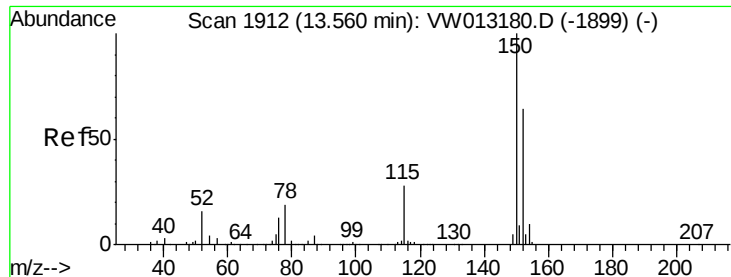
Tgt Ion: 95 Resp: 177491
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.4
176 87.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013358.D
Acq: 01 Oct 2019 03:49

Tgt Ion: 117 Resp: 417717
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 32.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013358.D

Acq: 01 Oct 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (10-12)

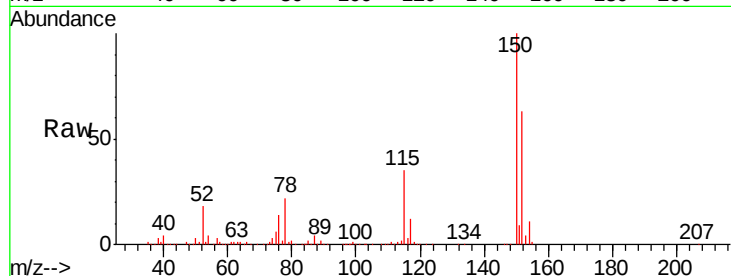
Tgt Ion:152 Resp: 167094

Ion Ratio Lower Upper

152 100

115 56.7 27.3 81.9

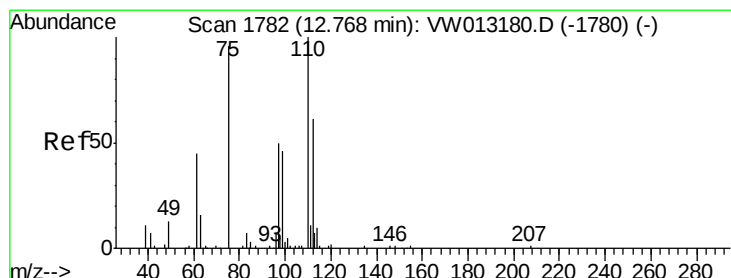
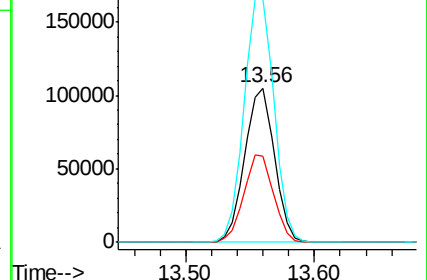
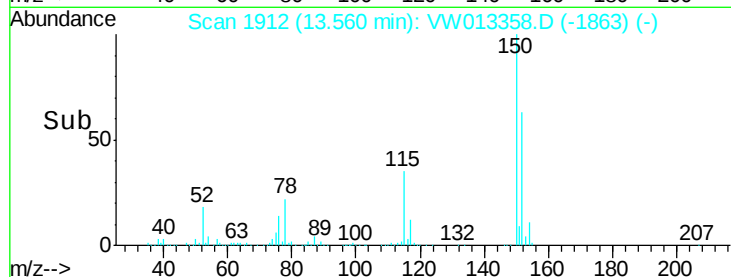
150 160.1 0.0 349.0



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: 56.235 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013358.D

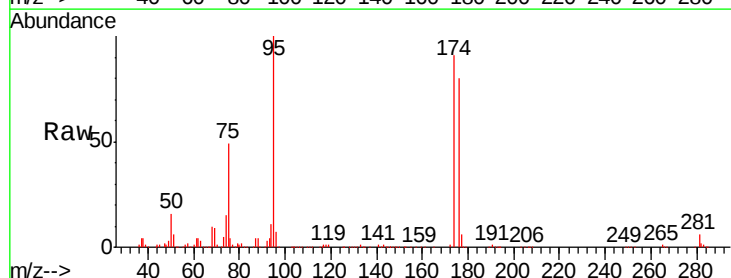
Acq: 01 Oct 2019 03:49

Tgt Ion: 75 Resp: 82983

Ion Ratio Lower Upper

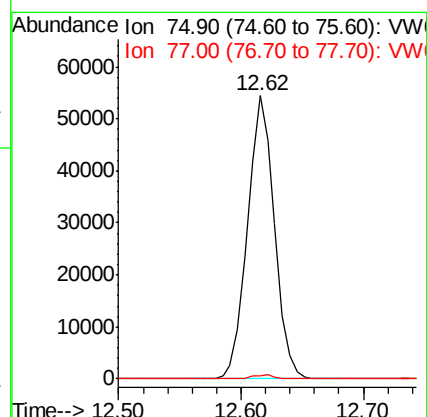
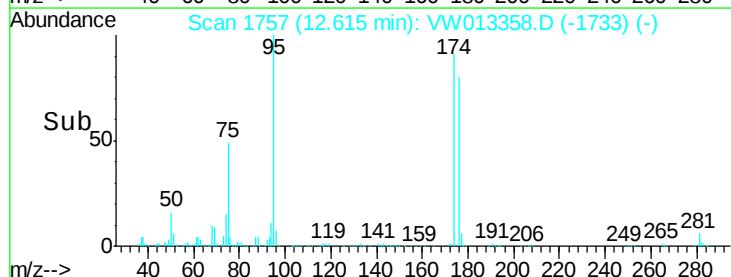
75 100

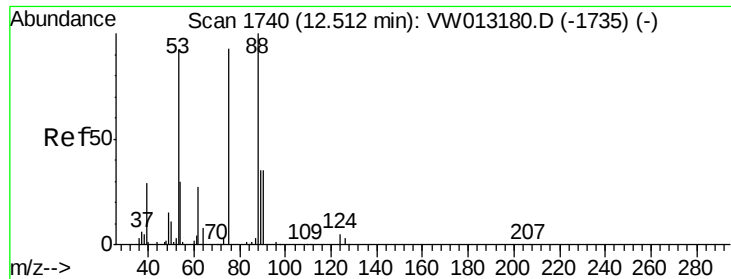
77 1.4 0.0 0.0#



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: 126.185 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013358.D

Acq: 01 Oct 2019 03:49

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (10-12)

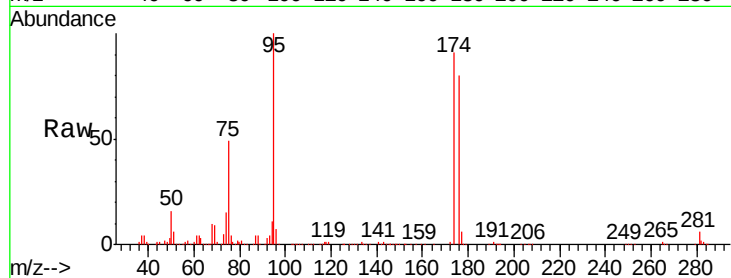
Tgt Ion: 75 Resp: 82983

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.1 33.5 50.3#



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

