

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013406.D
 Acq On : 03 Oct 2019 05:29
 Operator : SY/VA
 Sample : K5144-02
 Misc : 3.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 08:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	364179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	538249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	195428	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	146808	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
35) Dibromofluoromethane	7.88	113	149302	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	619611	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	189651	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	

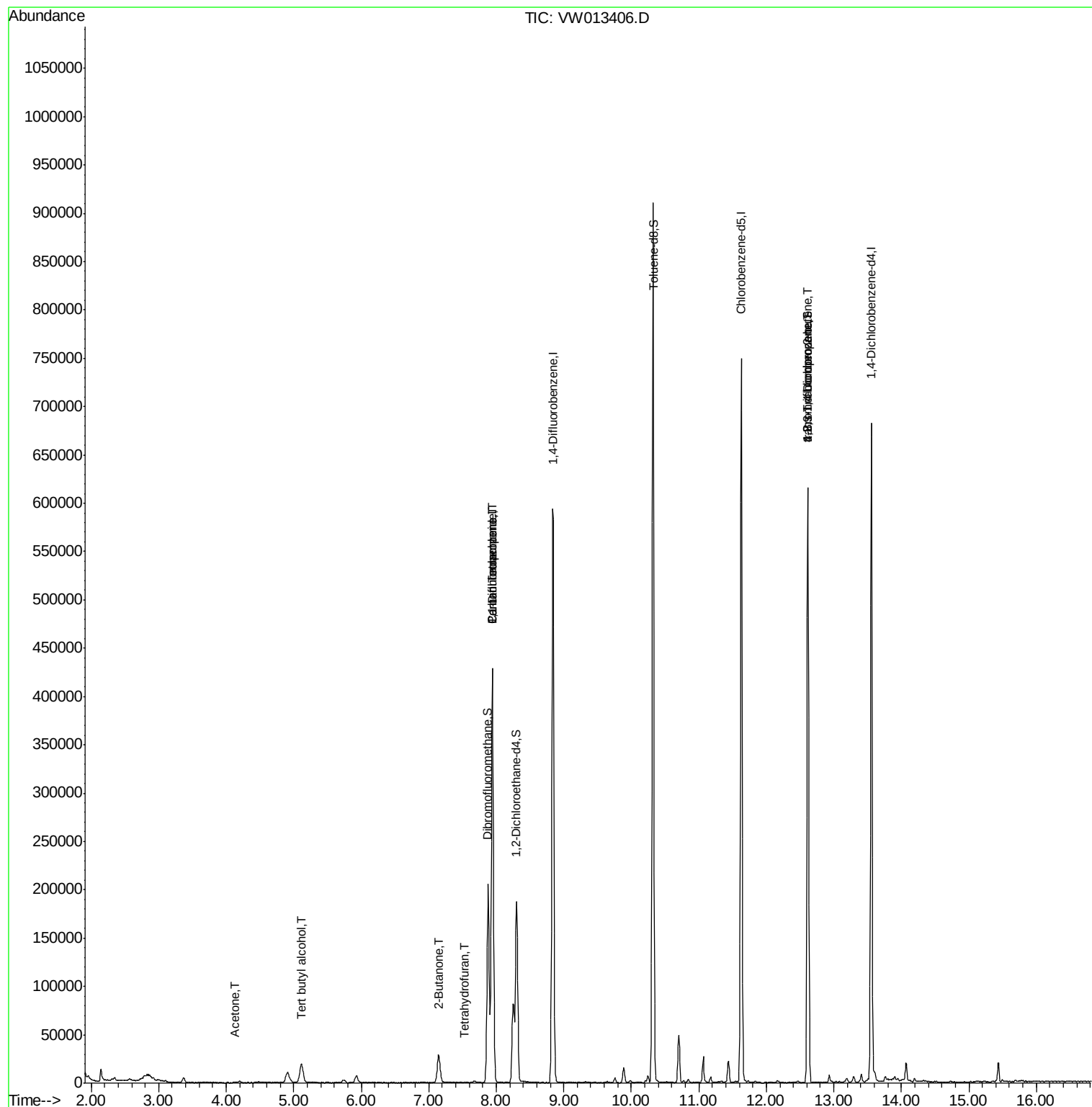
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	18043	59.361	ug/l #	74
16) Acetone	4.14	43	1982	2.378	ug/l	98
25) 2-Butanone	7.14	43	1785	1.674	ug/l #	84
26) 2,2-Dichloropropane	7.15	77	2315	Below Cal	#	52
29) Tetrahydrofuran	7.52	42	83	9.822	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	22881	4.577	ug/l #	48
38) Carbon Tetrachloride	7.95	117	30110	6.953	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	90317	51.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90317	105.487	ug/l #	12

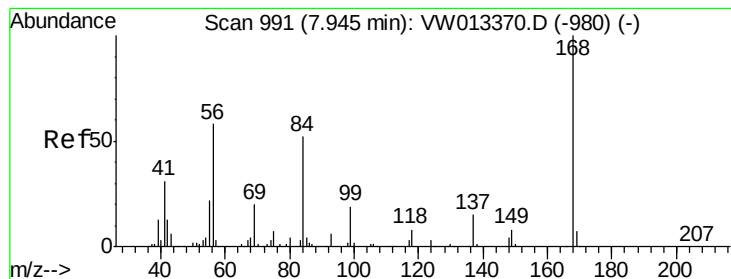
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013406.D

Acq: 03 Oct 2019 05:29

Instrument :

MSVOA_W

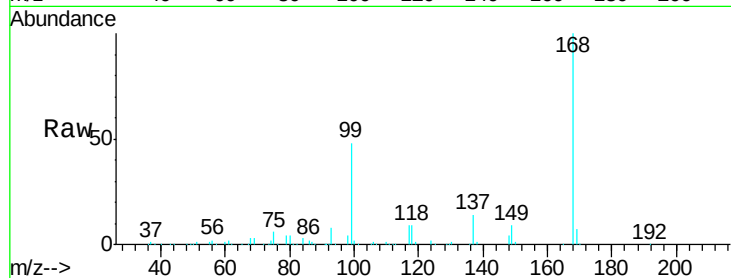
ClientSampled :

Tgt Ion:168 Resp: 364179

Ion Ratio Lower Upper

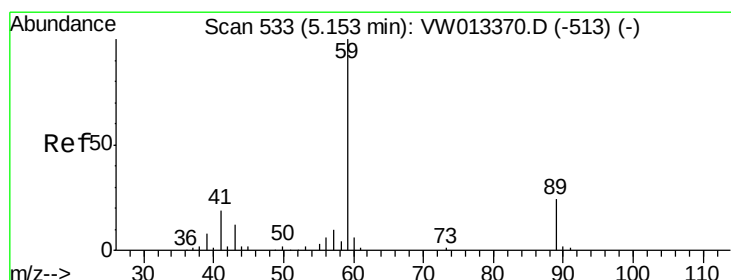
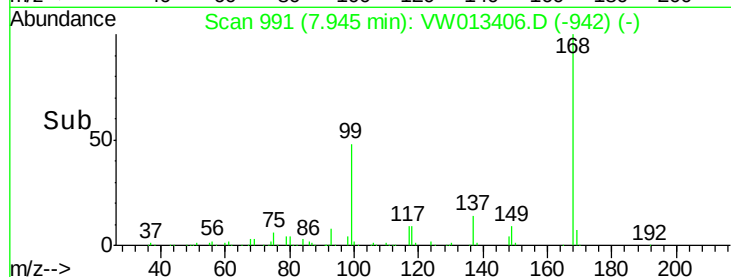
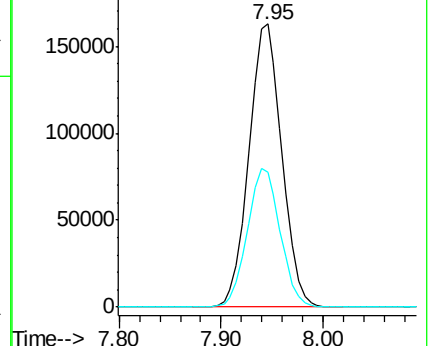
168 100

99 47.6 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 59.361 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013406.D

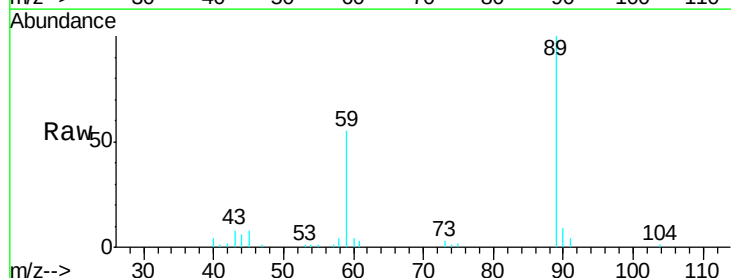
Acq: 03 Oct 2019 05:29

Tgt Ion: 59 Resp: 18043

Ion Ratio Lower Upper

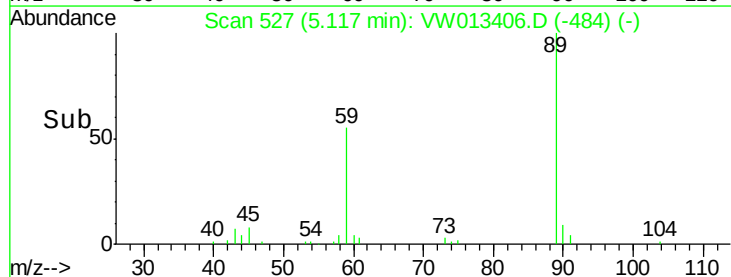
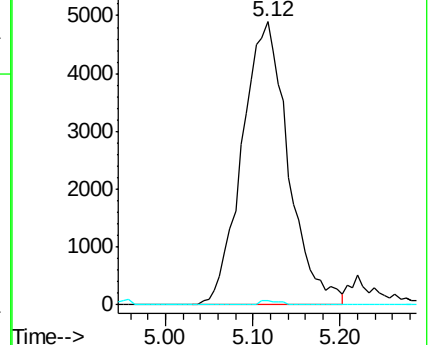
59 100

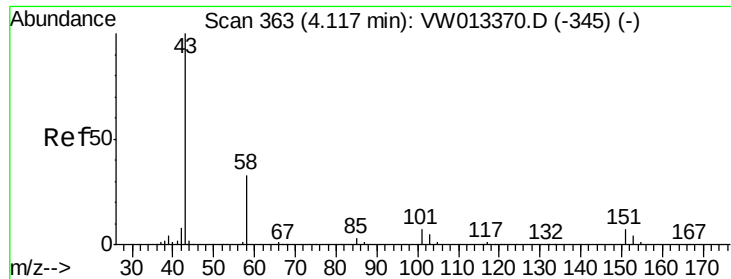
57 0.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 2.378 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013406.D

Acq: 03 Oct 2019 05:29

Instrument :

MSVOA_W

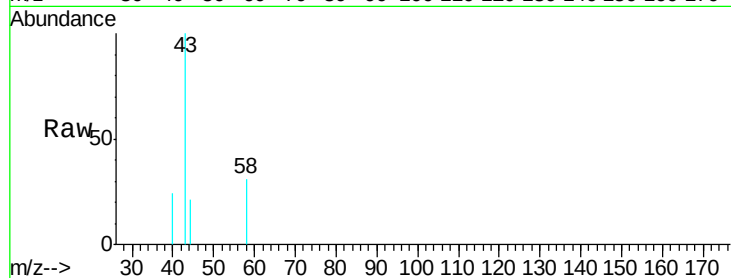
ClientSampleId :

Tgt Ion: 43 Resp: 1982

Ion Ratio Lower Upper

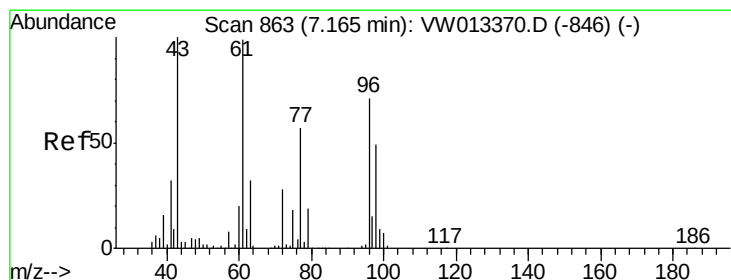
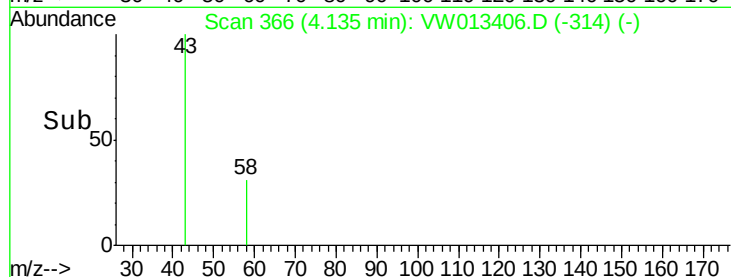
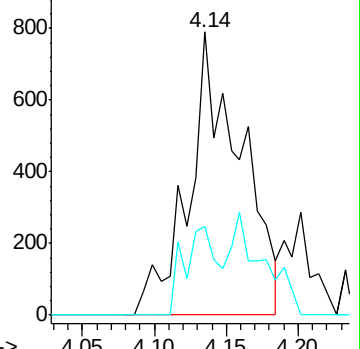
43 100

58 31.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.674 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013406.D

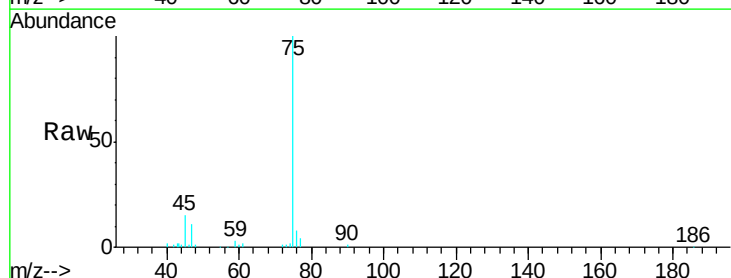
Acq: 03 Oct 2019 05:29

Tgt Ion: 43 Resp: 1785

Ion Ratio Lower Upper

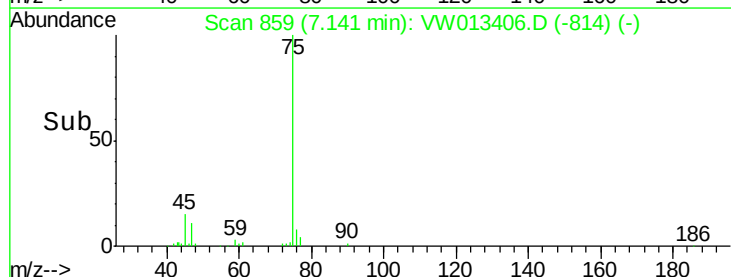
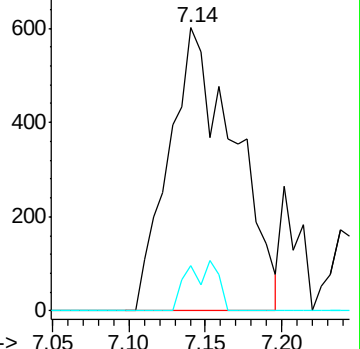
43 100

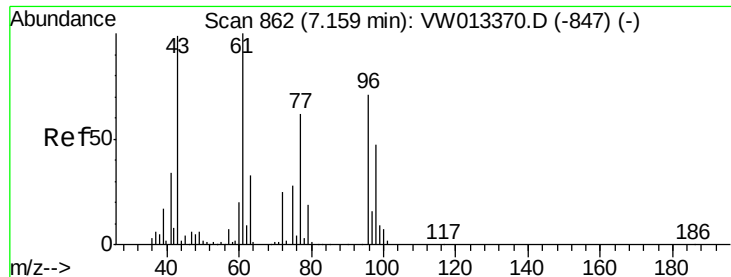
72 16.1 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

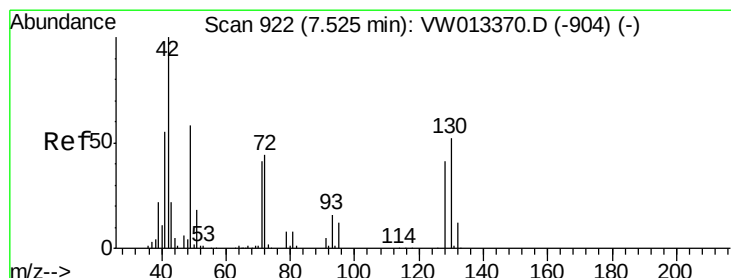
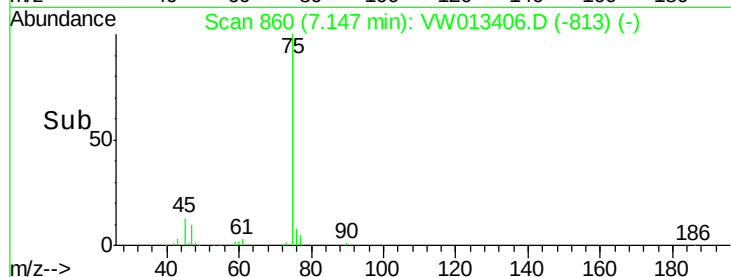
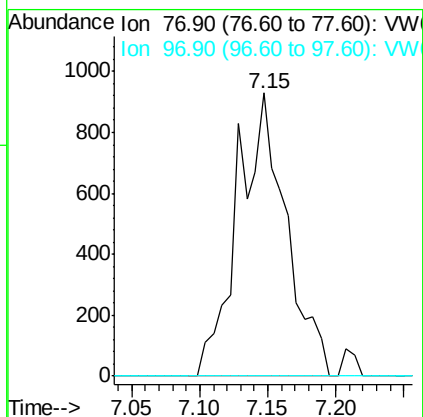
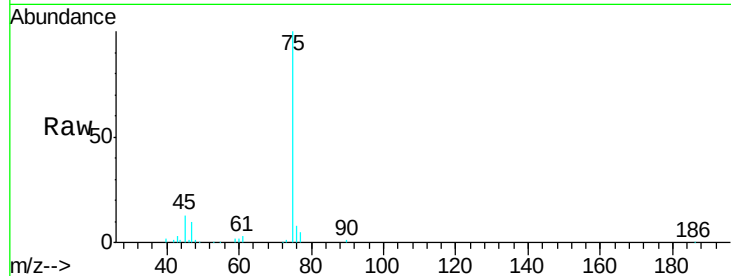




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

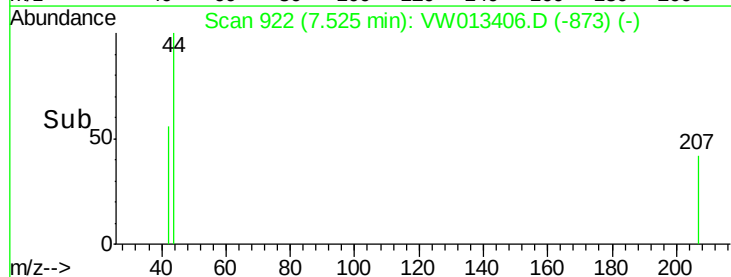
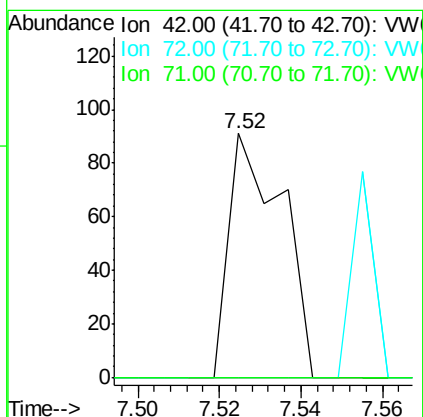
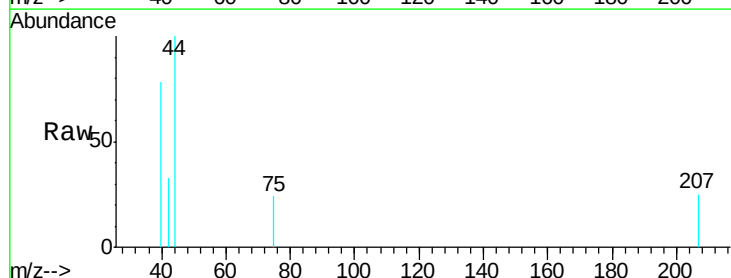
Instrument :
 MSVOA_W
 ClientSampled :

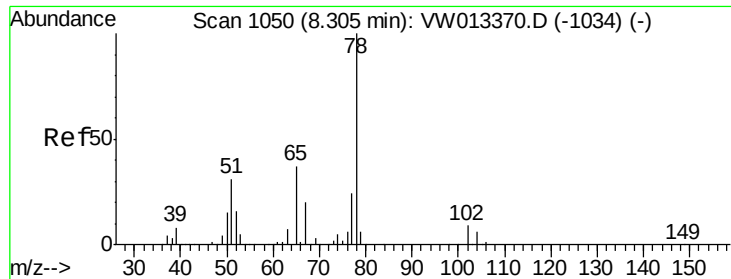
Tgt Ion: 77 Resp: 2315
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 9.822 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

Tgt Ion: 42 Resp: 83
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.9 50.9#
 71 0.0 31.9 47.9#

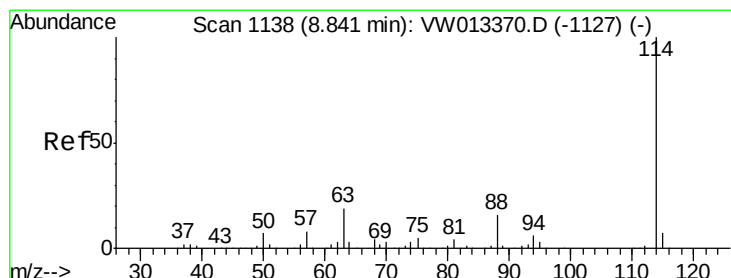
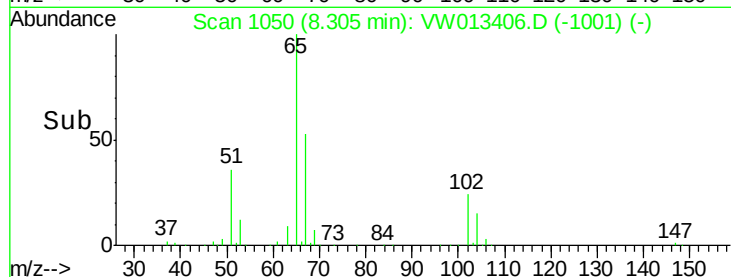
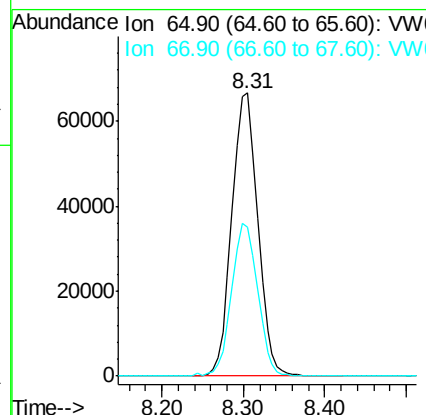
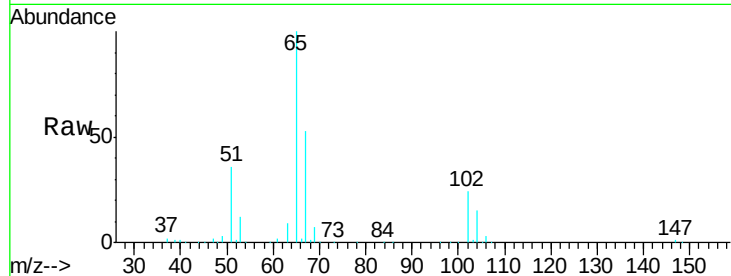




#33
 1,2-Dichloroethane-d4
 Concen: 53.989 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

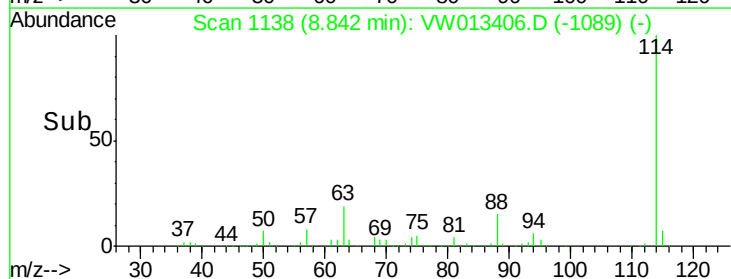
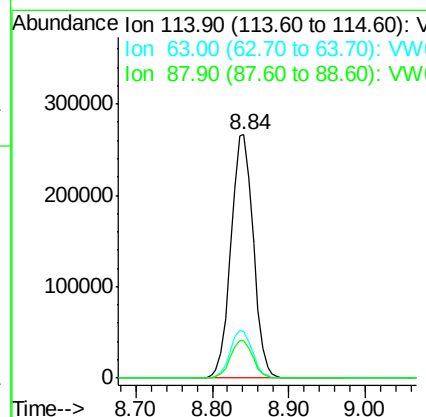
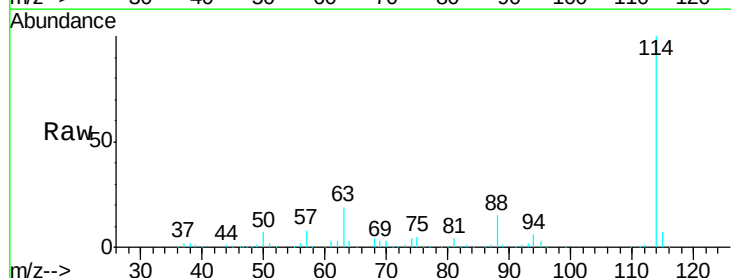
Instrument :
 MSVOA_W
 ClientSampleId :

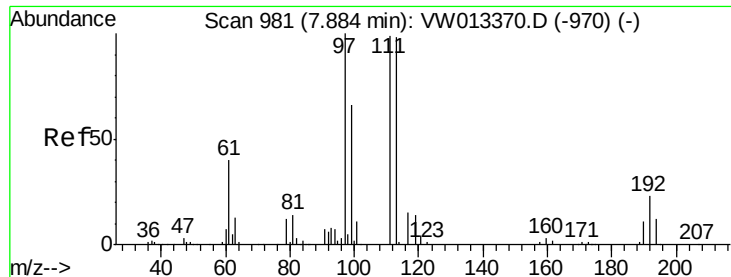
Tgt Ion: 65 Resp: 146808
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

Tgt Ion: 114 Resp: 538249
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.4 0.0 32.0

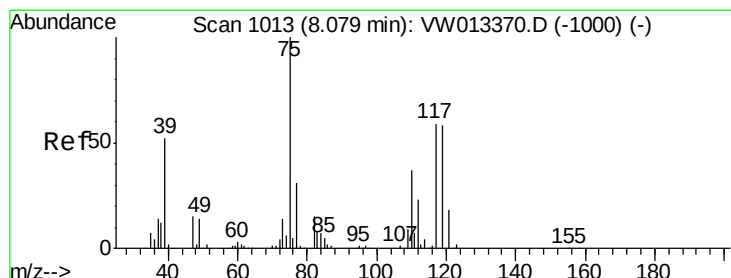
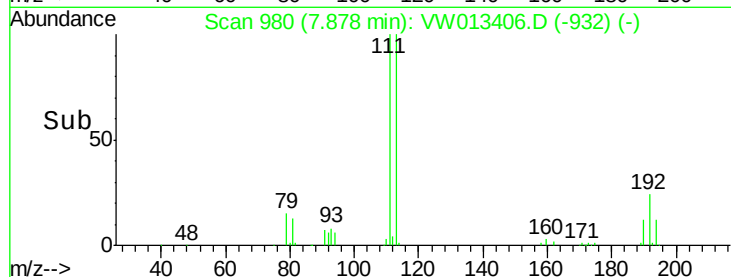
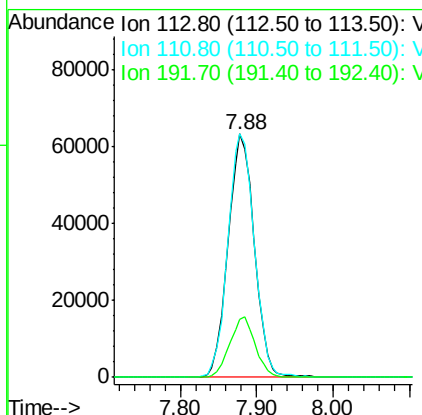
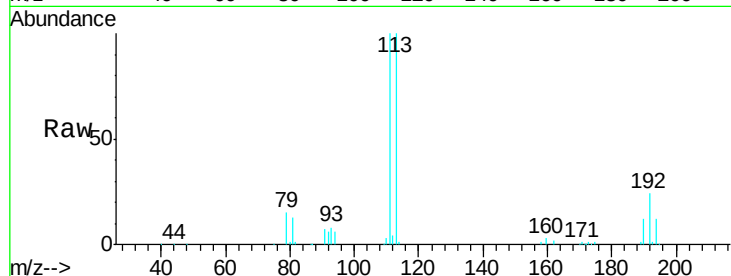




#35
 Dibromofluoromethane
 Concen: 52.863 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

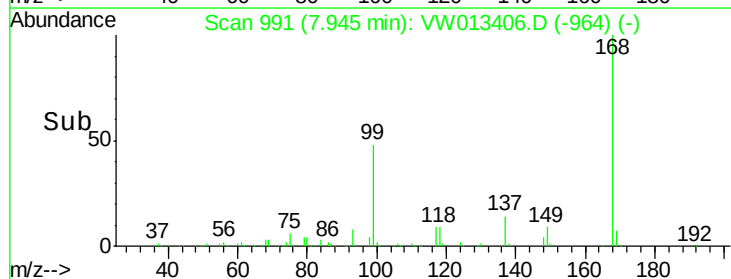
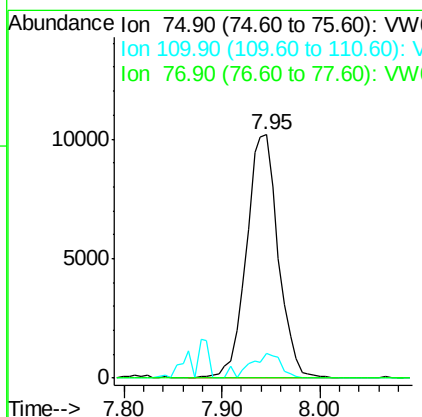
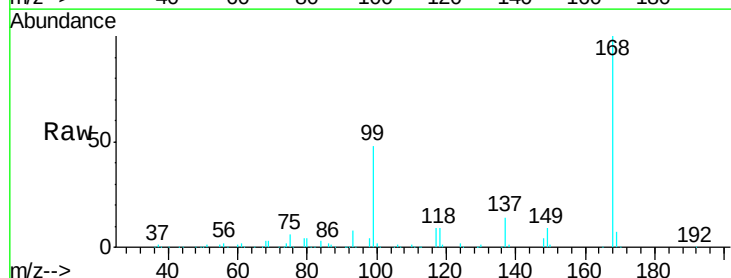
Instrument :
 MSVOA_W
 ClientSampleId :

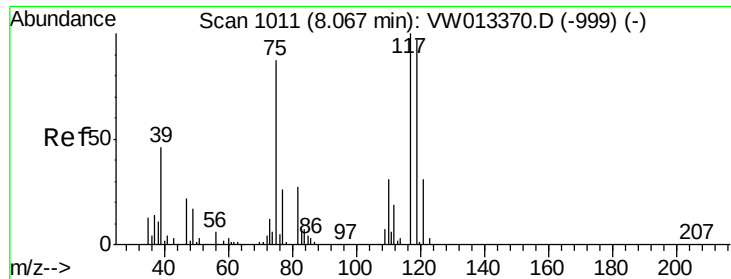
Tgt Ion:113 Resp: 149302
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.9 122.9
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013406.D
 Acq: 03 Oct 2019 05:29

Tgt Ion: 75 Resp: 22881
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.8 38.6#

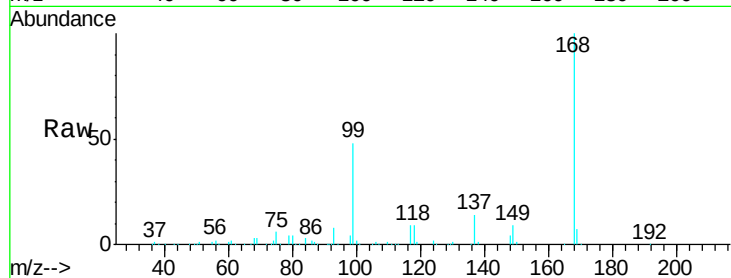




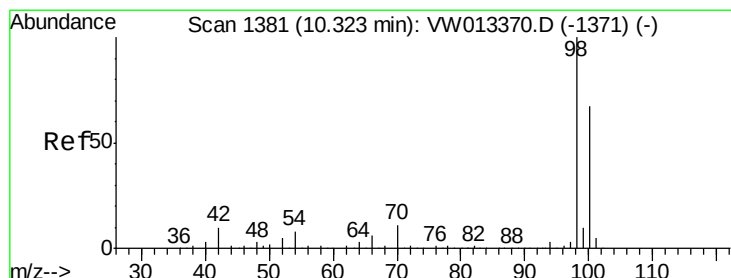
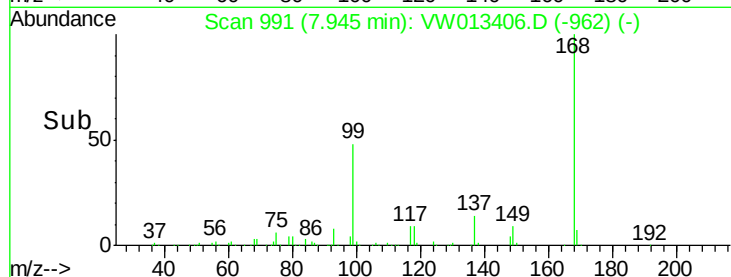
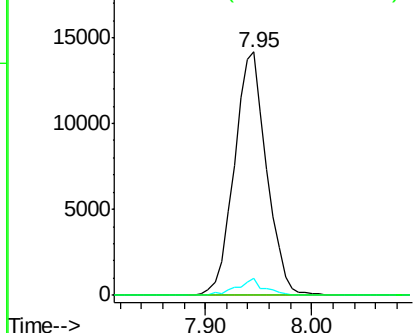
#38
Carbon Tetrachloride
Concen: 6.953 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013406.D
Acq: 03 Oct 2019 05:29

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:117 Resp: 30110
Ion Ratio Lower Upper
117 100
119 6.8 73.5 110.3#
121 0.0 25.0 37.6#

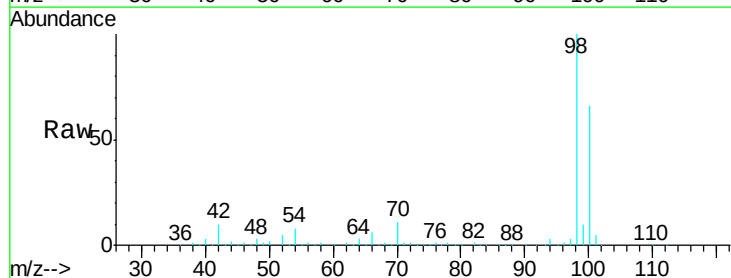


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

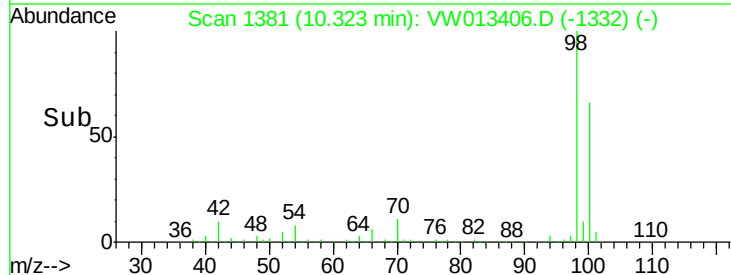
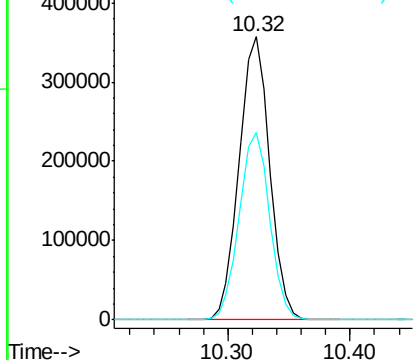


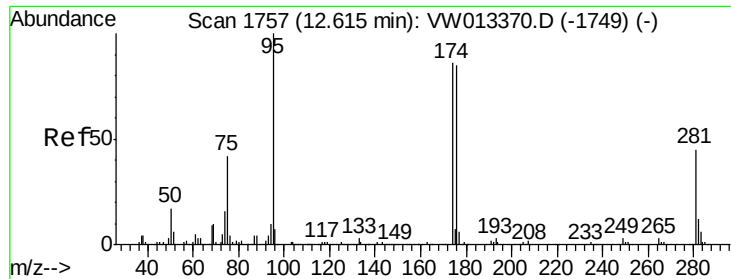
#50
Toluene-d8
Concen: 52.866 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013406.D
Acq: 03 Oct 2019 05:29

Tgt Ion: 98 Resp: 619611
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



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

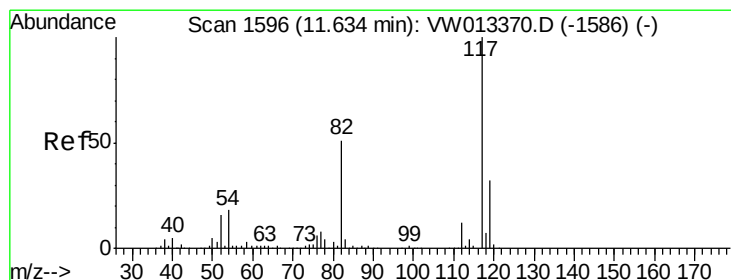
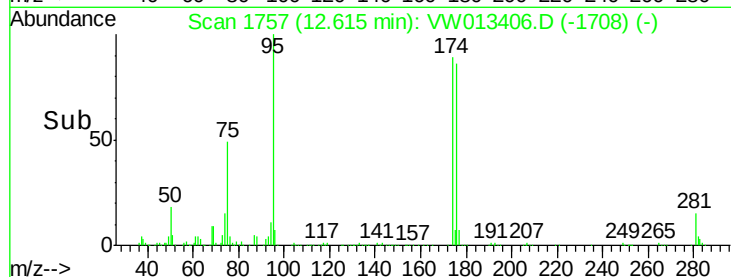
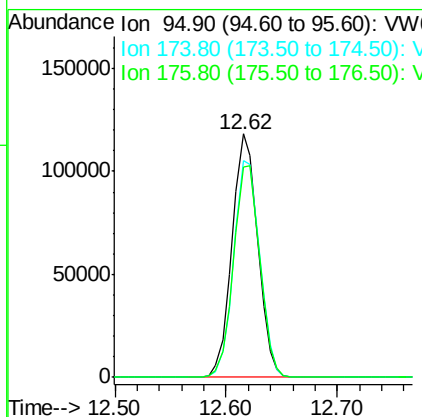
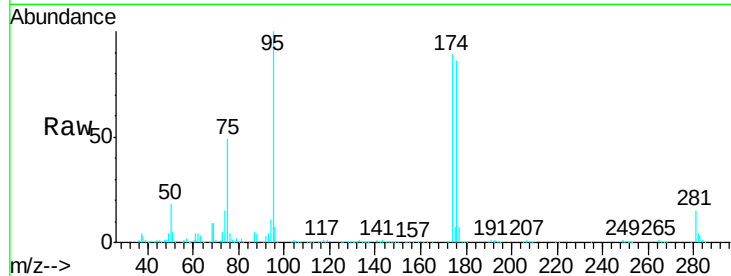




#62
4-Bromofluorobenzene
Concen: 48.456 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013406.D
Acq: 03 Oct 2019 05:29

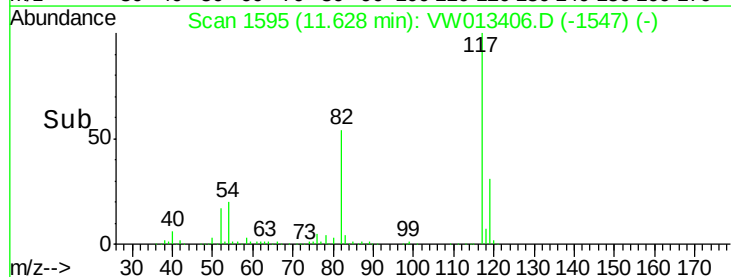
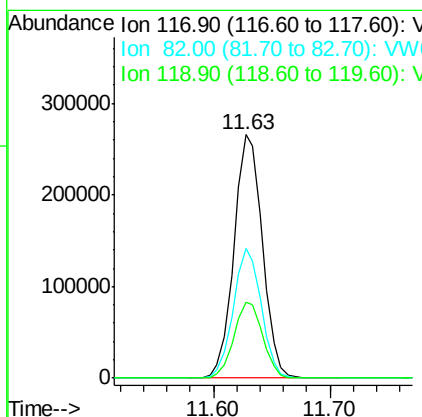
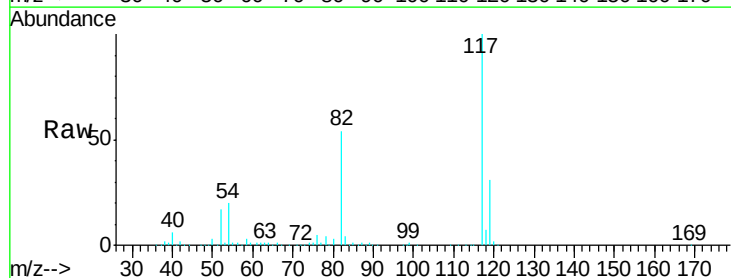
Instrument :
MSVOA_W
ClientSampleId :

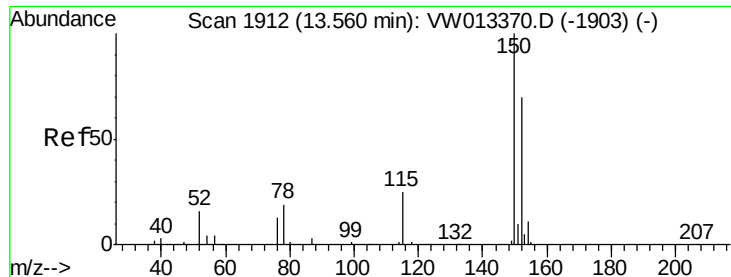
Tgt Ion: 95 Resp: 189651
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.4
176 88.7 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013406.D
Acq: 03 Oct 2019 05:29

Tgt Ion: 117 Resp: 451749
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 31.4 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: VW013406.D

Acq: 03 Oct 2019 05:29

Instrument :

MSVOA_W

ClientSampleId :

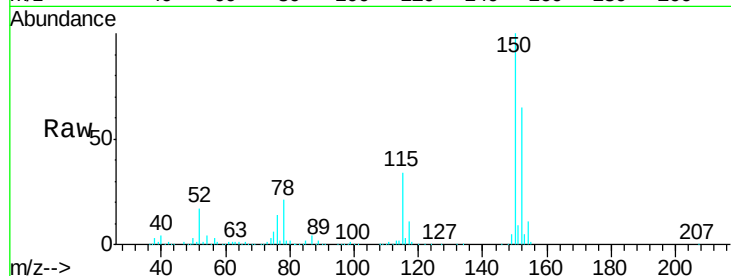
Tgt Ion:152 Resp: 195428

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

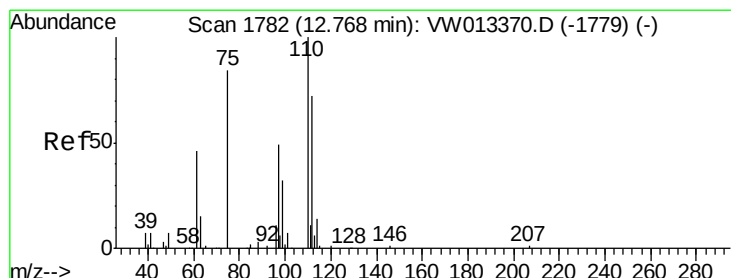
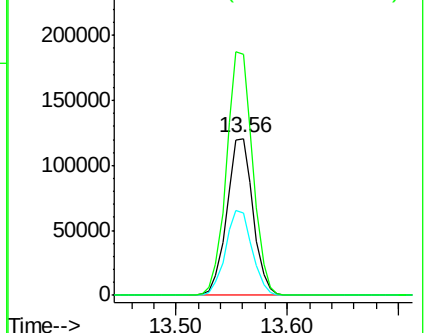
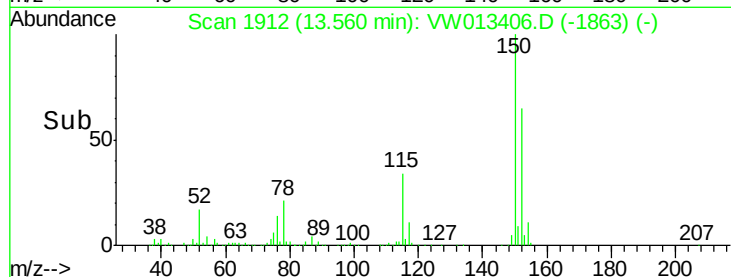
150 155.5 0.0 349.0



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: 51.999 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013406.D

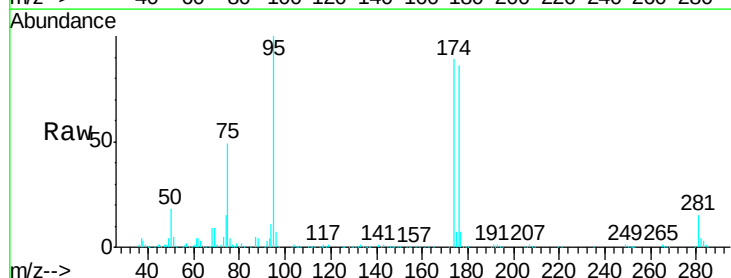
Acq: 03 Oct 2019 05:29

Tgt Ion: 75 Resp: 90317

Ion Ratio Lower Upper

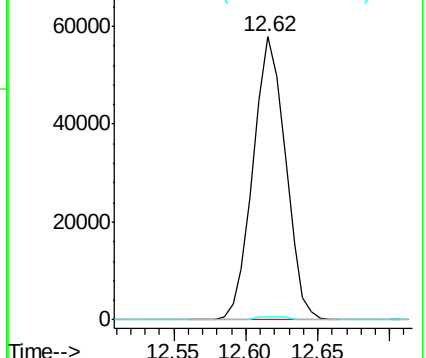
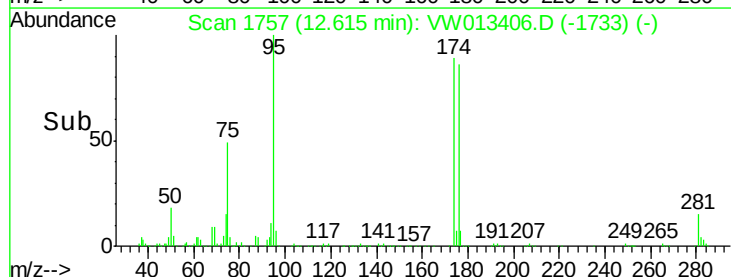
75 100

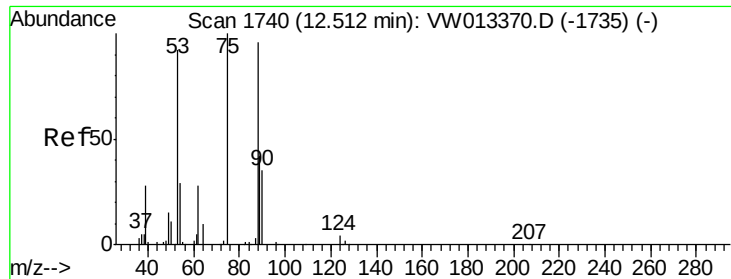
77 1.3 0.0 0.0#



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: 105.487 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013406.D

Acq: 03 Oct 2019 05:29

Instrument :

MSVOA_W

ClientSampleId :

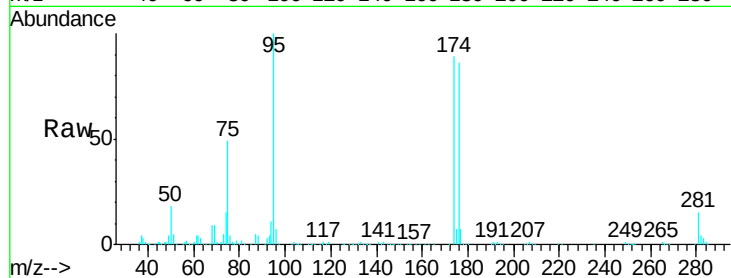
Tgt Ion: 75 Resp: 90317

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.2 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

