

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013474.D
 Acq On : 07 Oct 2019 19:55
 Operator : SY/VA
 Sample : K5152-01
 Misc : 4.58G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 08 10:42:20 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	316240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	156514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129965	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.88	113	133324	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.32	98	537705	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	162663	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds

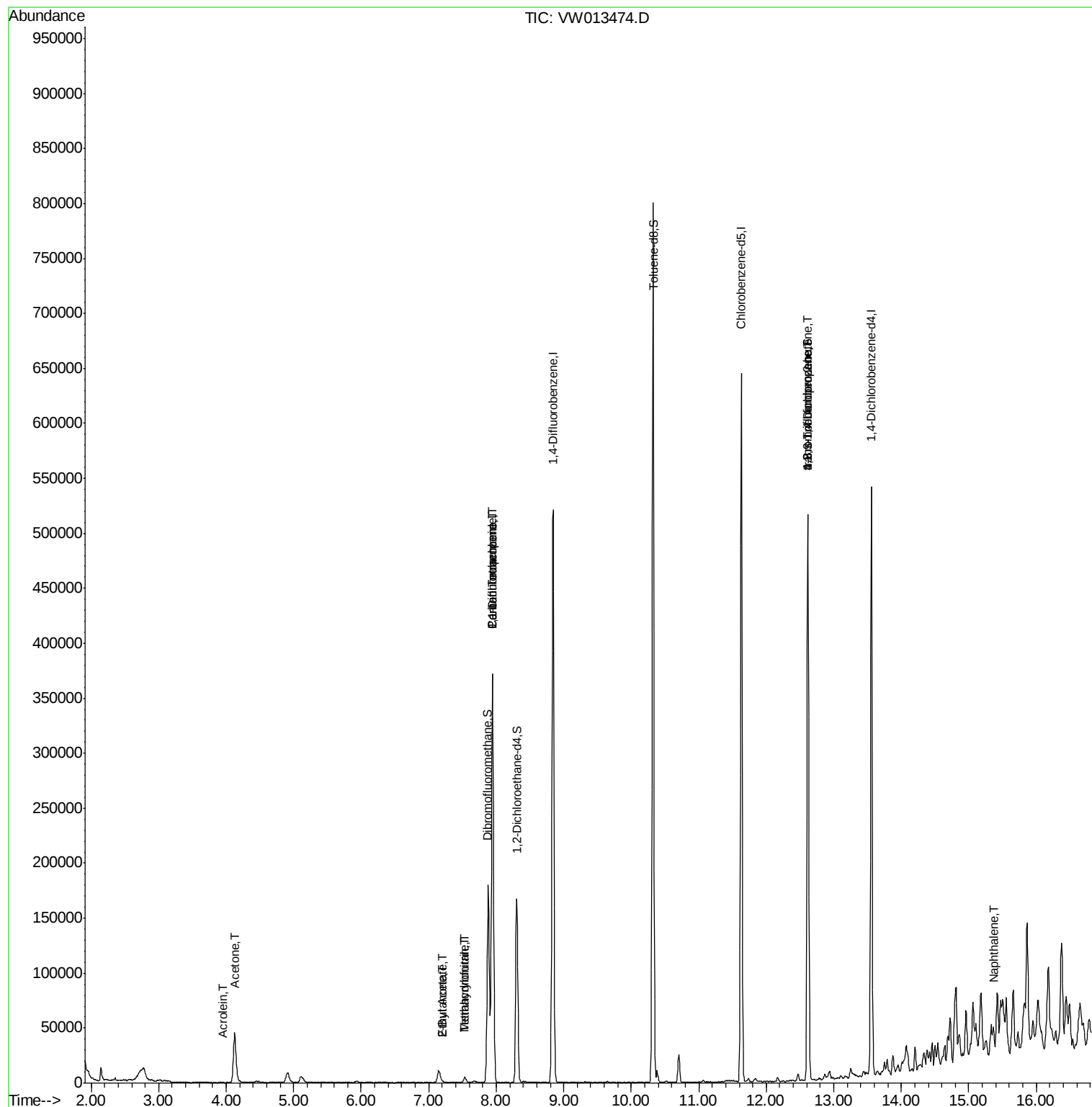
					Qvalue	
11) Tert butyl alcohol	5.11	59	5321	Below Cal	#	74
13) Acrolein	3.94	56	21	10.662	ug/l #	15
16) Acetone	4.12	43	83500	115.367	ug/l	96
25) 2-Butanone	7.20	43	1781	1.923	ug/l #	77
26) 2,2-Dichloropropane	7.14	77	909	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	3845	16.554	ug/l	92
36) 1,1-Dichloropropene	7.94	75	19544	4.387	ug/l #	49
37) Ethyl Acetate	7.20	43	1781	1.054	ug/l #	69
38) Carbon Tetrachloride	7.95	117	27063	7.013	ug/l #	17
41) Methacrylonitrile	7.53	41	2145	1.809	ug/l #	50
76) 1,2,3-Trichloropropane	12.62	75	74483	53.544	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74483	108.497	ug/l #	12
95) Naphthalene	15.36	128	11144	2.013	ug/l #	93

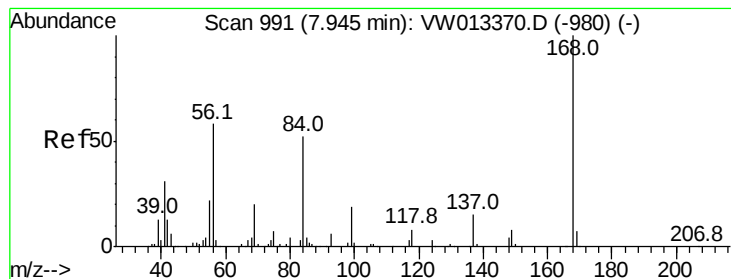
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013474.D

Acq: 07 Oct 2019 19:55

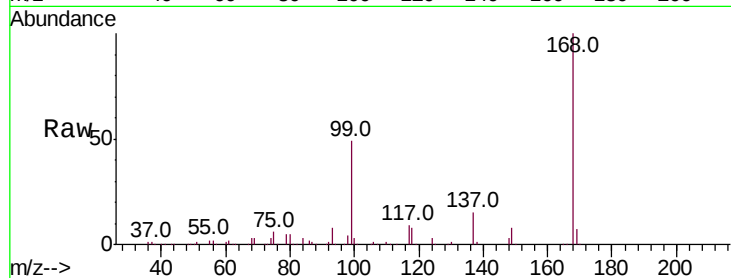
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 316240

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

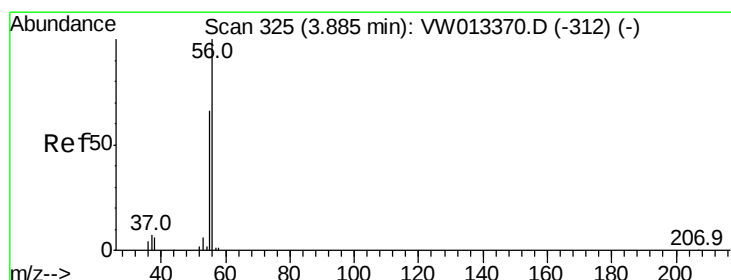
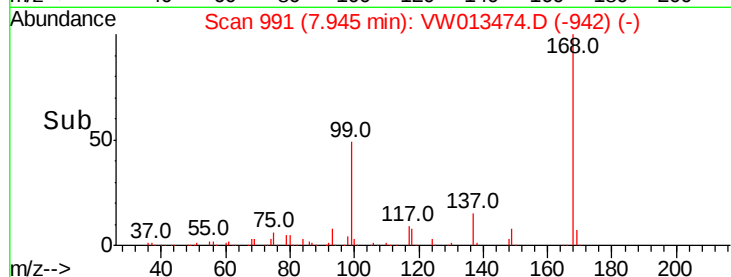
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#13

Acrolein

Concen: 10.662 ug/l

RT: 3.94 min Scan# 334

Delta R.T. 0.06 min

Lab File: VW013474.D

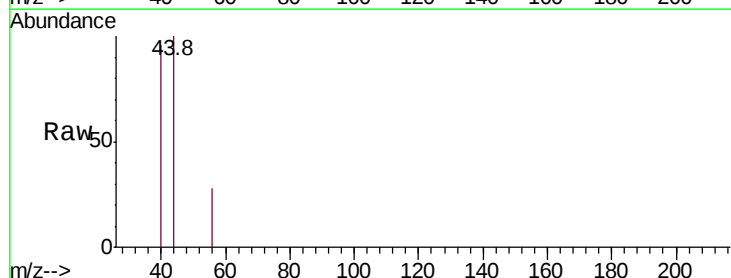
Acq: 07 Oct 2019 19:55

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.94

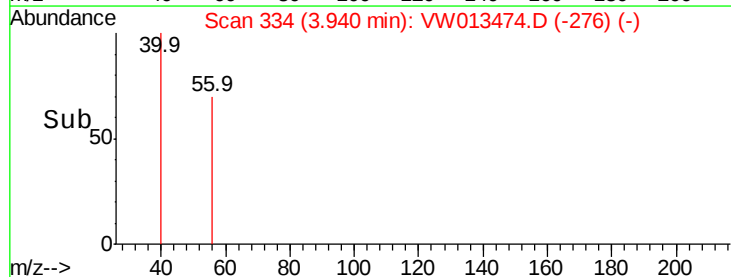
60

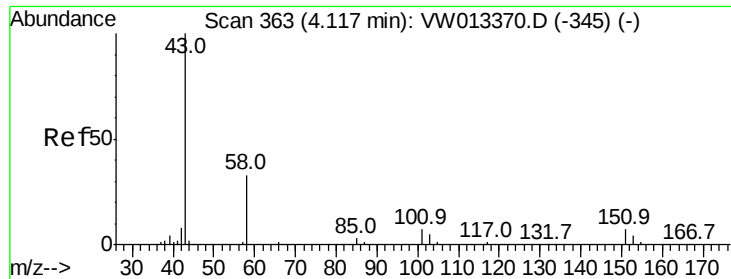
40

20

0

Time--> 3.92 3.93 3.94 3.95 3.96





#16

Acetone

Concen: 115.367 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

Instrument :

MSVOA_W

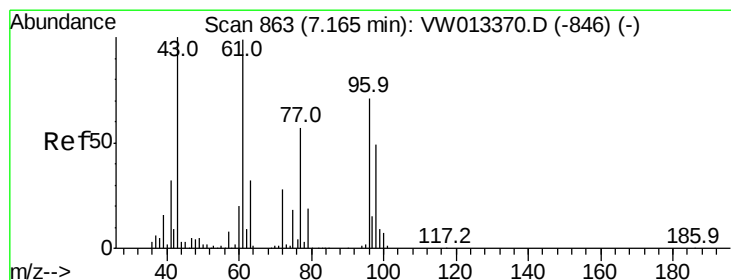
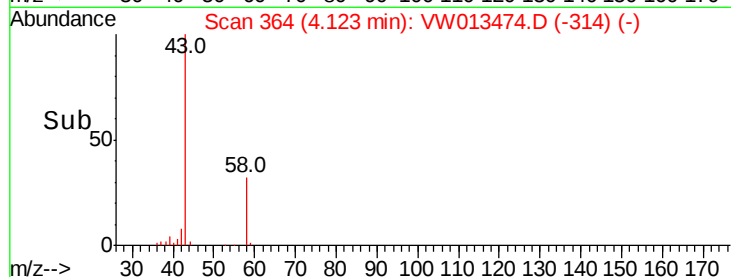
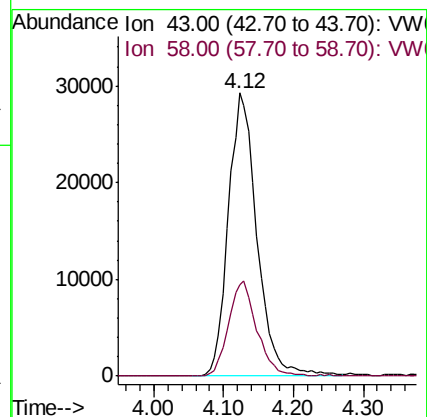
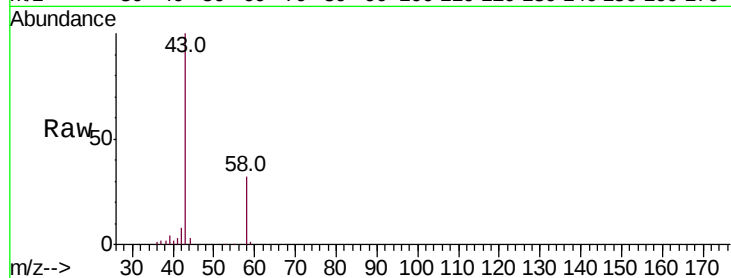
ClientSampleId :

Tot Ion: 43 Resp: 83500

Ion Ratio Lower Upper

43 100

58 32.2 24.1 36.1



#25

2-Butanone

Concen: 1.923 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.04 min

Lab File: VW013474.D

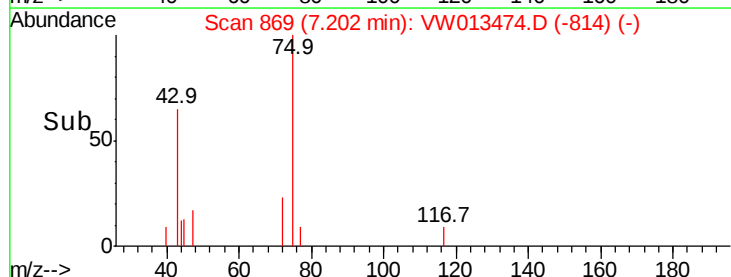
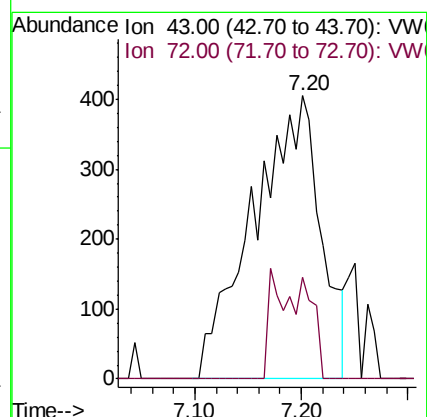
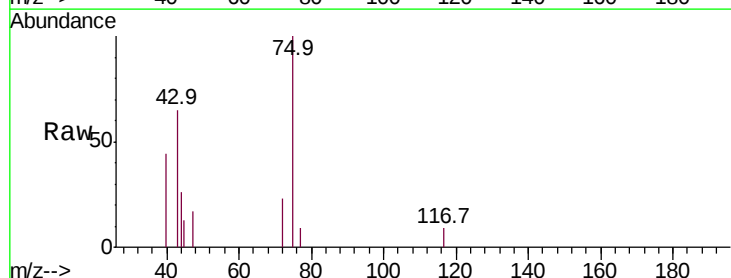
Acq: 07 Oct 2019 19:55

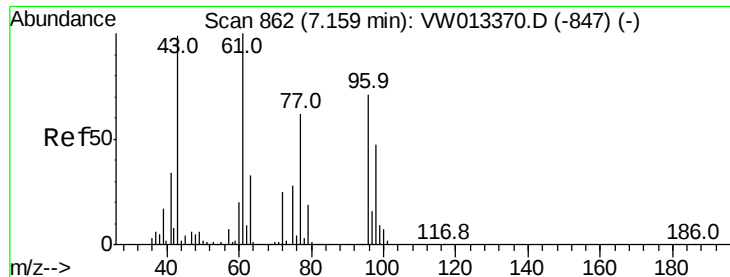
Tgt Ion: 43 Resp: 1781

Ion Ratio Lower Upper

43 100

72 35.8 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

Instrument :

MSVOA_W

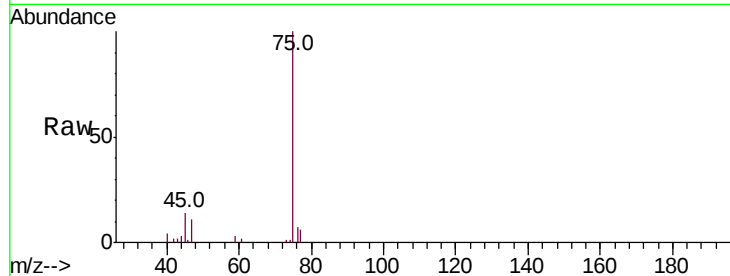
ClientSampled :

Tot Ion: 77 Resp: 909

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

400

300

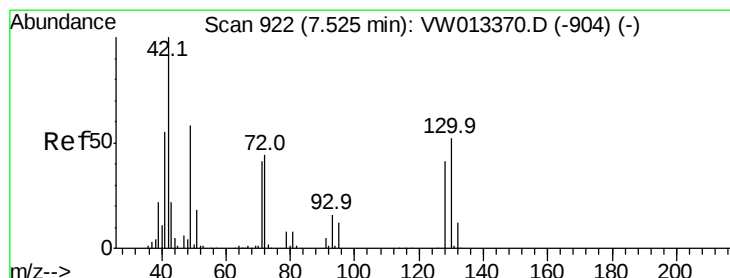
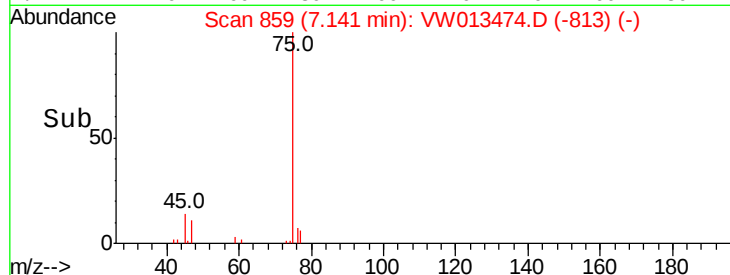
200

100

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 16.554 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

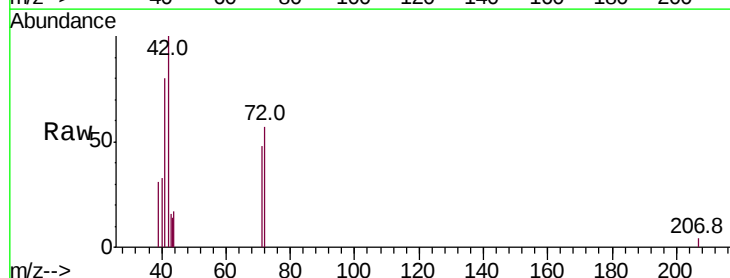
Tgt Ion: 42 Resp: 3845

Ion Ratio Lower Upper

42 100

72 45.5 33.9 50.9

71 46.3 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

1500

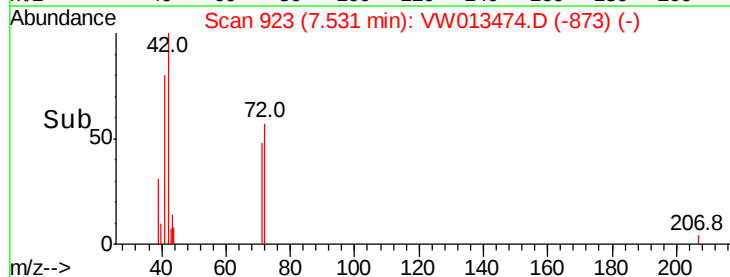
1000

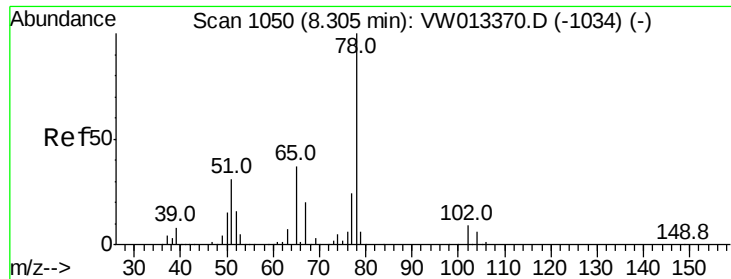
500

0

7.45 7.50 7.55 7.60

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.040 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

Instrument :

MSVOA_W

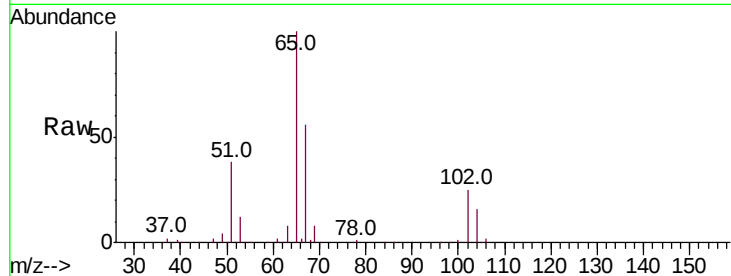
ClientSampleId :

Tot Ion: 65 Resp: 129965

Ion Ratio Lower Upper

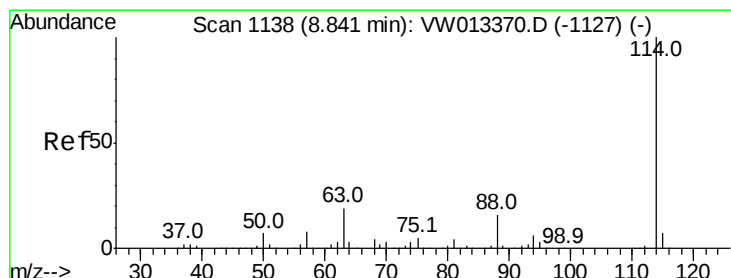
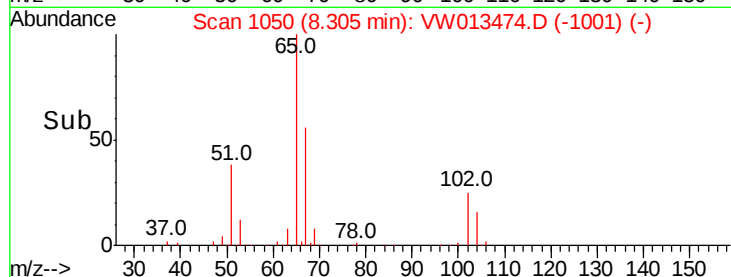
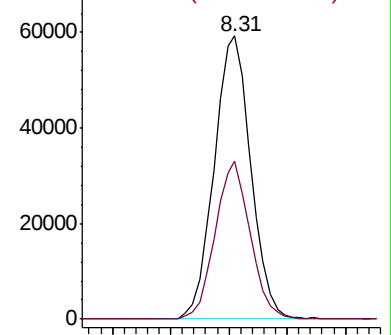
65 100

67 53.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

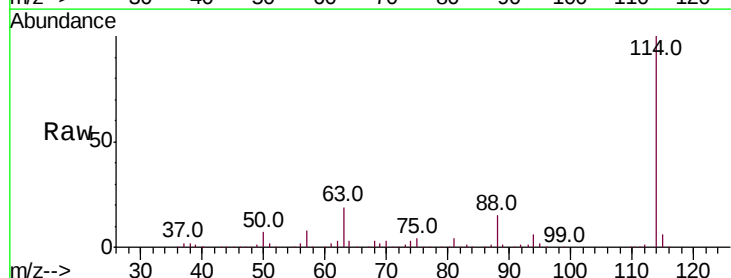
Tgt Ion:114 Resp: 479627

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

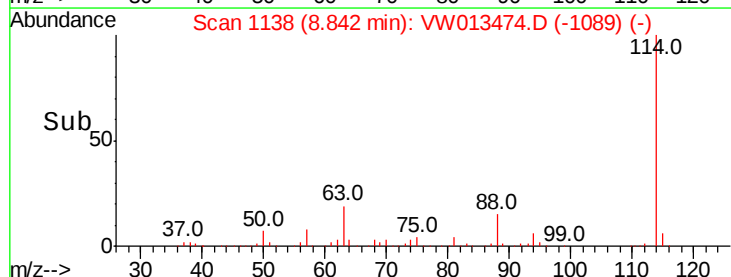
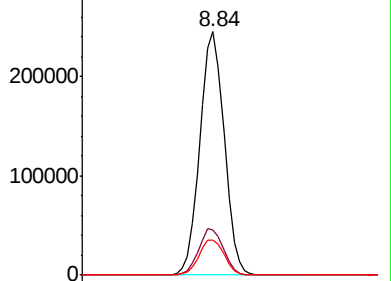
88 14.6 0.0 32.0

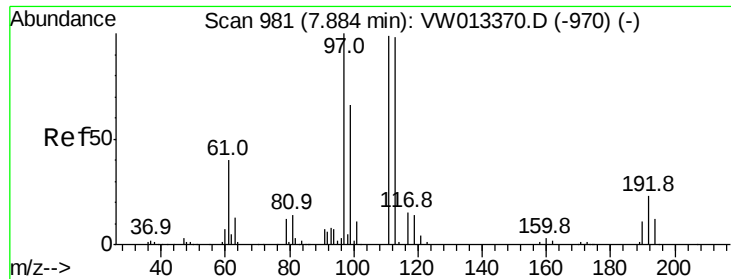


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

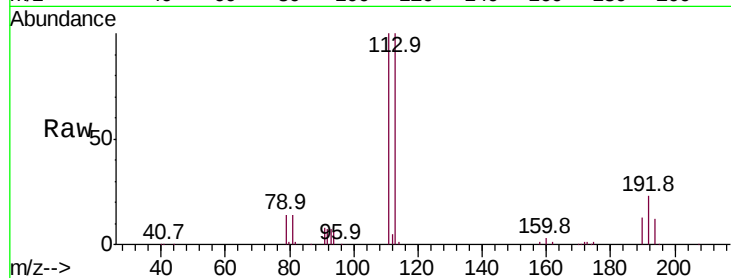




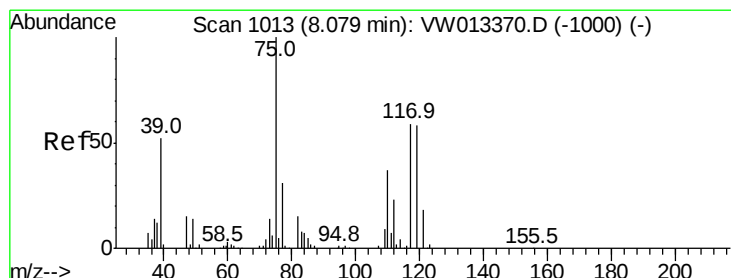
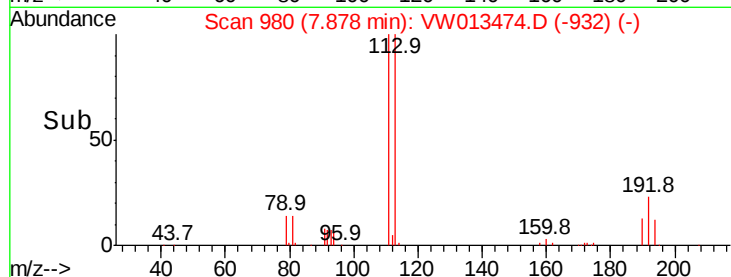
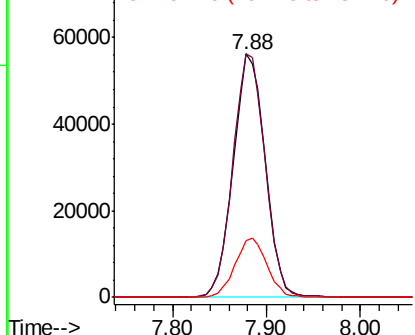
#35
 Dibromofluoromethane
 Concen: 52.975 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013474.D
 Acq: 07 Oct 2019 19:55

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 133324
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.9 122.9
 192 24.1 19.1 28.7

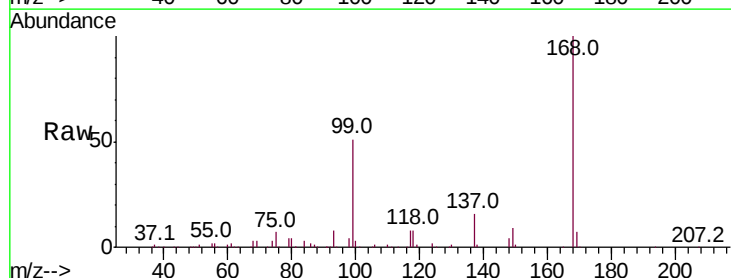


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

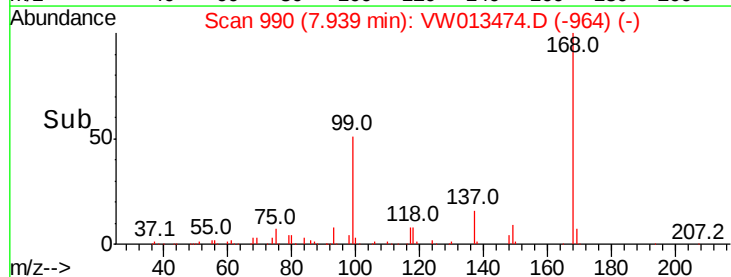
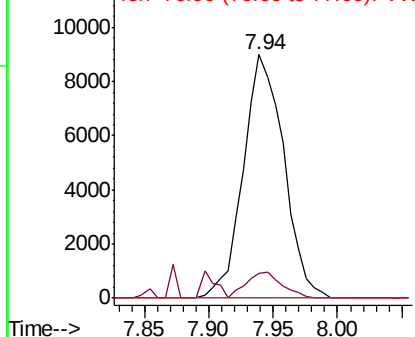


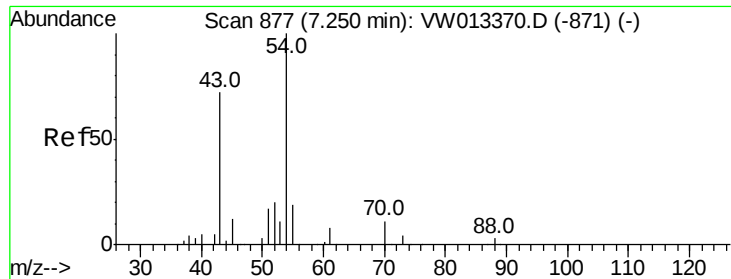
#36
 1,1-Dichloropropene
 Concen: 4.387 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013474.D
 Acq: 07 Oct 2019 19:55

Tgt Ion: 75 Resp: 19544
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 25.8 38.6#



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

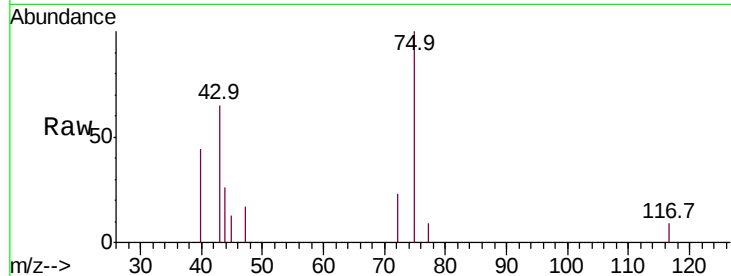




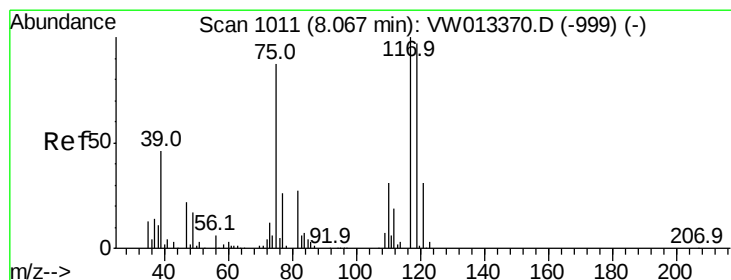
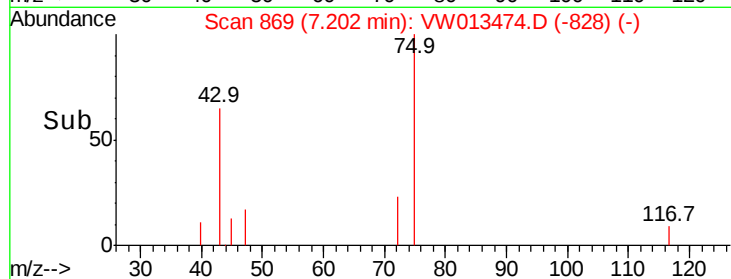
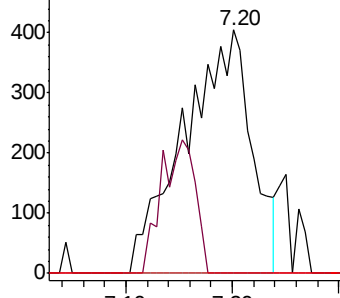
#37
Ethyl Acetate
Concen: 1.054 ug/l
RT: 7.20 min Scan# 869
Delta R.T. -0.05 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1781
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 8.2 12.2#

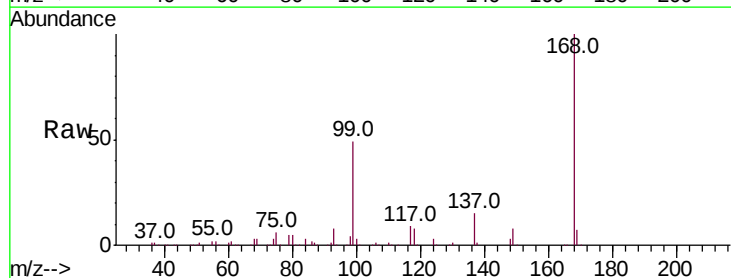


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

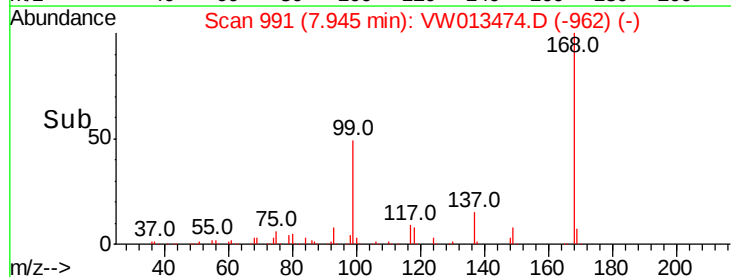
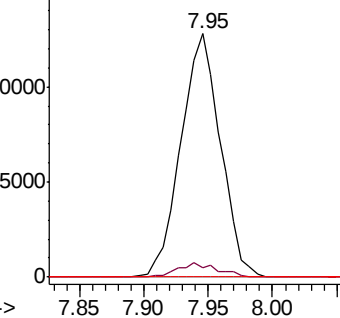


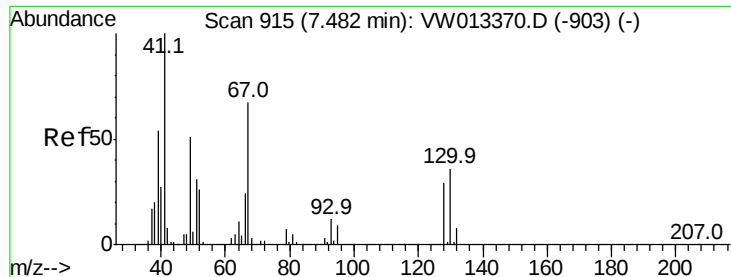
#38
Carbon Tetrachloride
Concen: 7.013 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Tgt Ion: 117 Resp: 27063
Ion Ratio Lower Upper
117 100
119 4.1 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

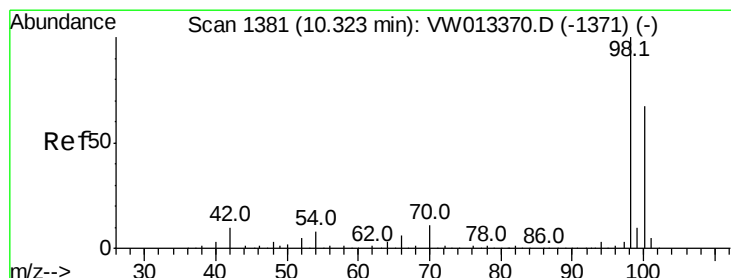
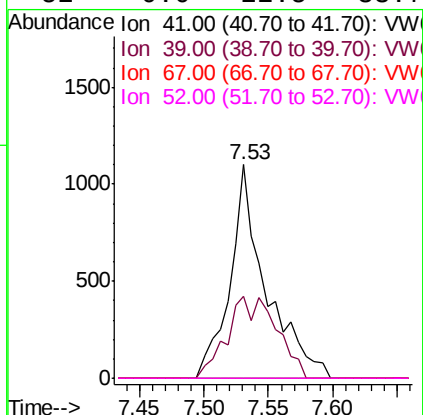
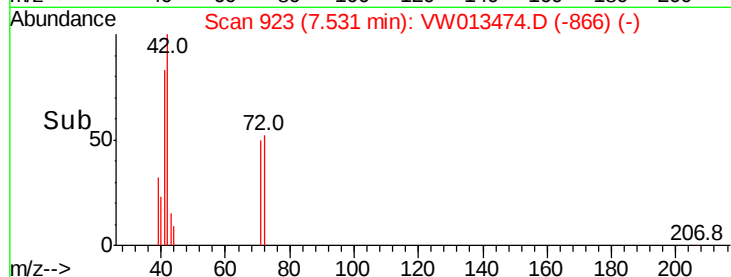
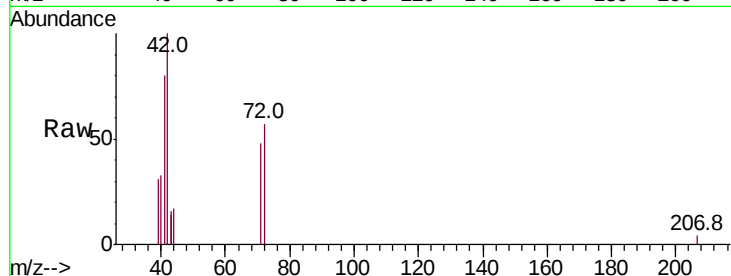




#41
Methacrylonitrile
Concen: 1.809 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

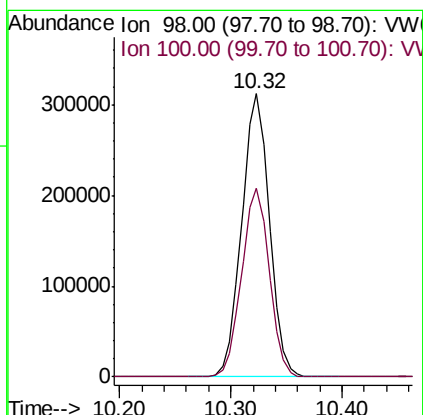
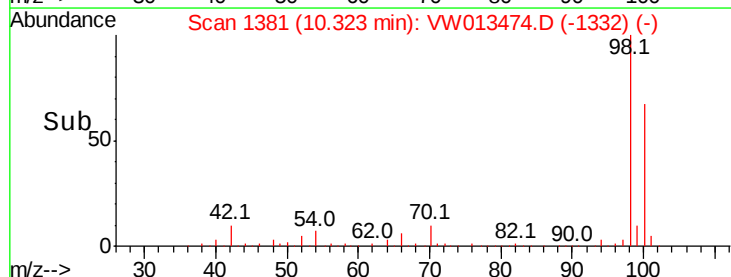
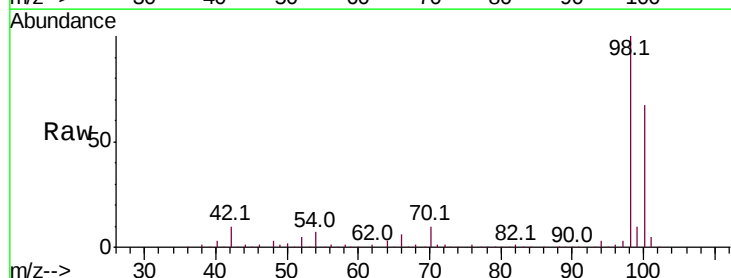
Instrument :
MSVOA_W
ClientSampleId :

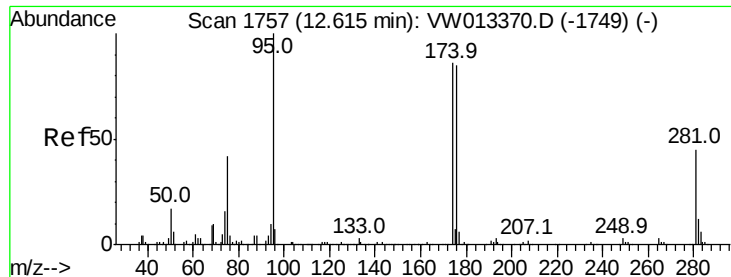
Tot Ion: 41 Resp: 2145
Ion Ratio Lower Upper
41 100
39 52.6 45.9 68.9
67 0.0 54.5 81.7#
52 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 51.485 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Tgt Ion: 98 Resp: 537705
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3

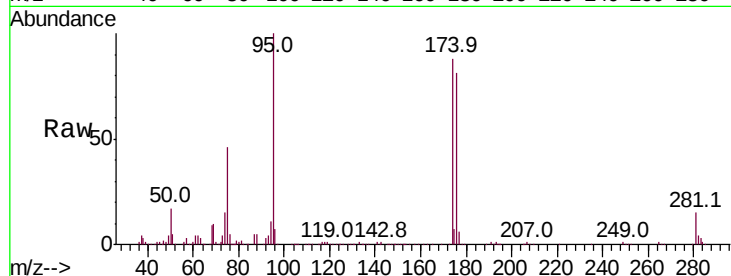




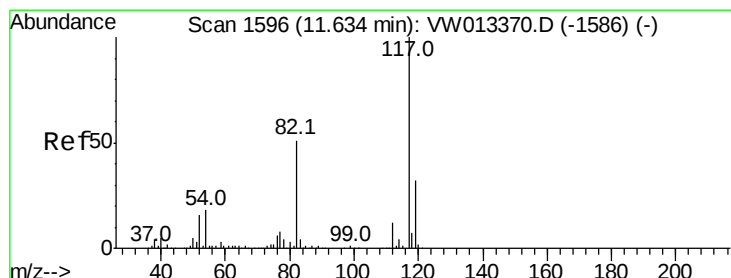
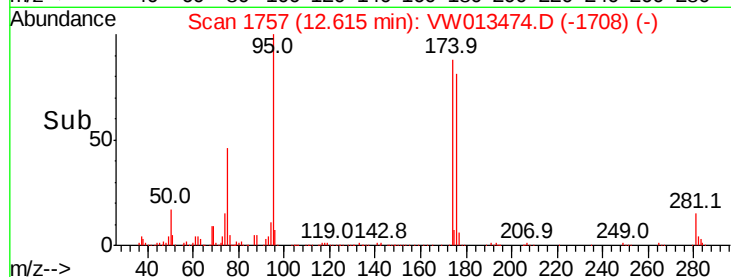
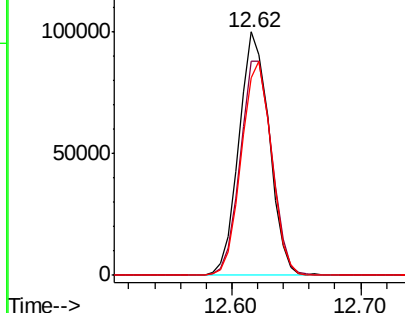
#62
4-Bromofluorobenzene
Concen: 46.640 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 162663
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.4
176 87.1 0.0 172.2

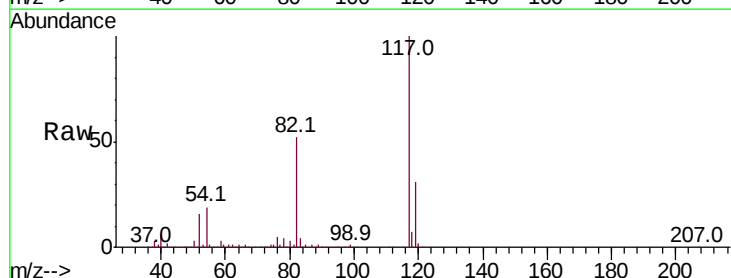


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

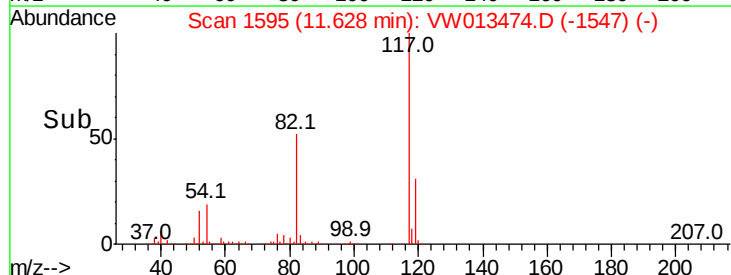
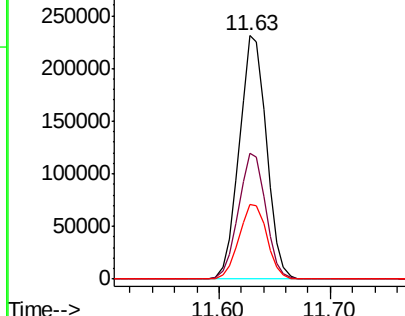


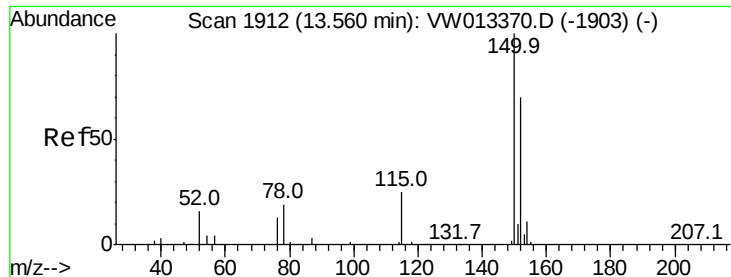
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Tgt Ion: 117 Resp: 391372
Ion Ratio Lower Upper
117 100
82 51.8 45.9 68.9
119 30.7 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



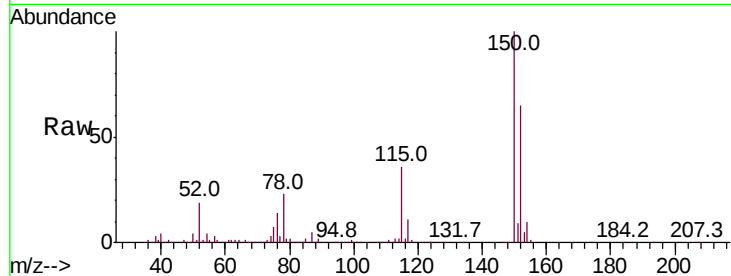


#72

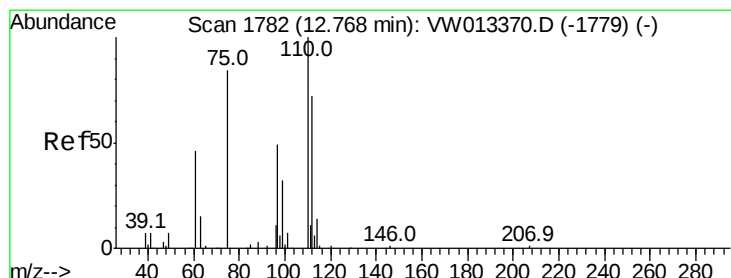
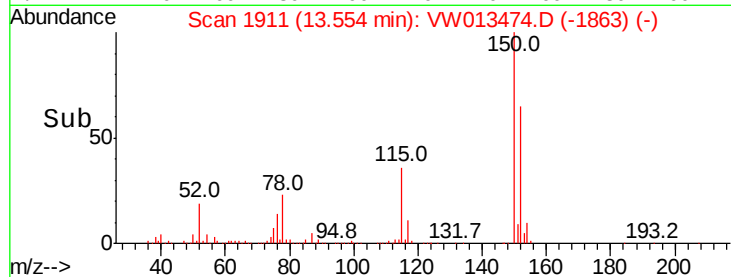
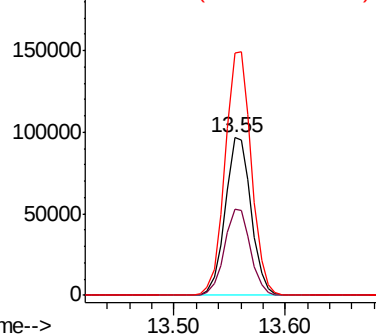
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 156514
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 156.6 0.0 349.0



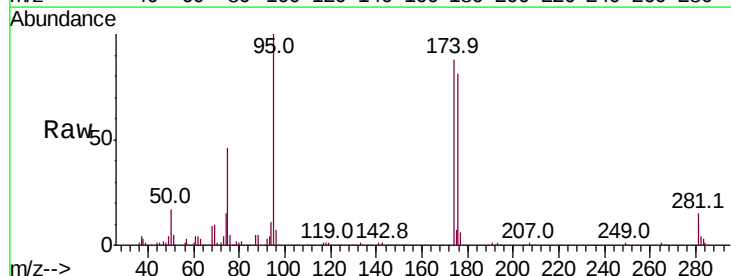
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



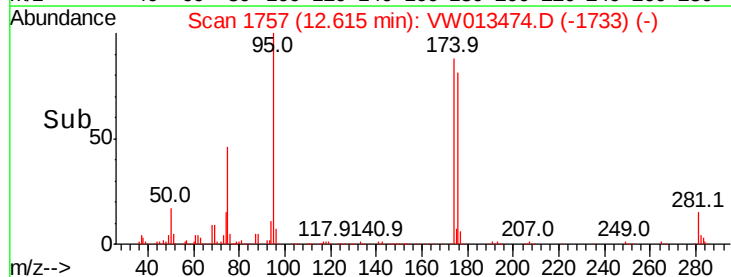
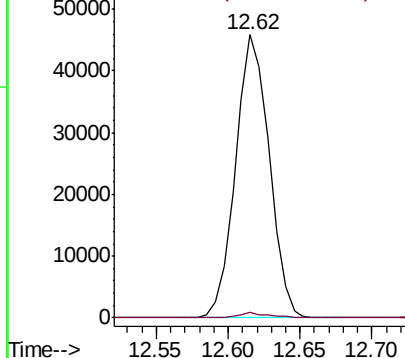
#76

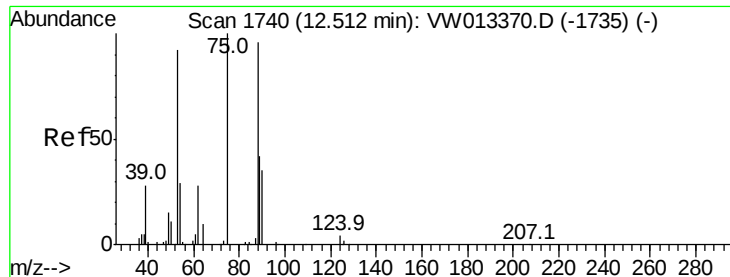
1,2,3-Trichloropropane
Concen: 53.544 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013474.D
Acq: 07 Oct 2019 19:55

Tgt Ion: 75 Resp: 74483
Ion Ratio Lower Upper
75 100
77 1.8 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: 108.497 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

Instrument :

MSVOA_W

ClientSampleId :

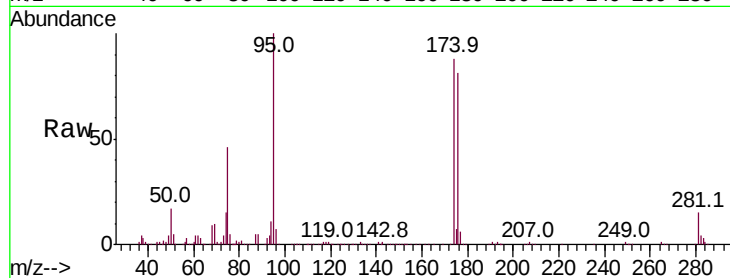
Tot Ion: 75 Resp: 74483

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

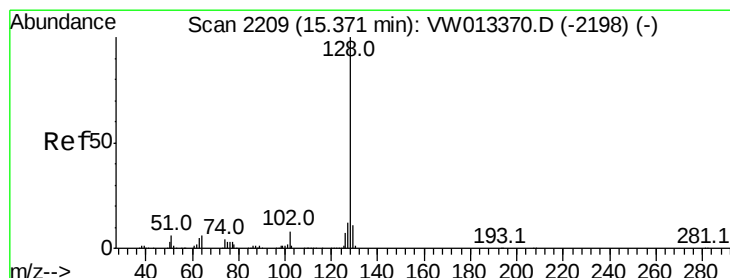
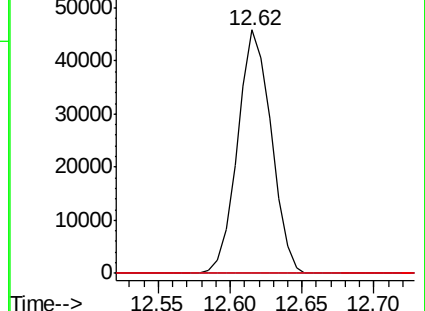
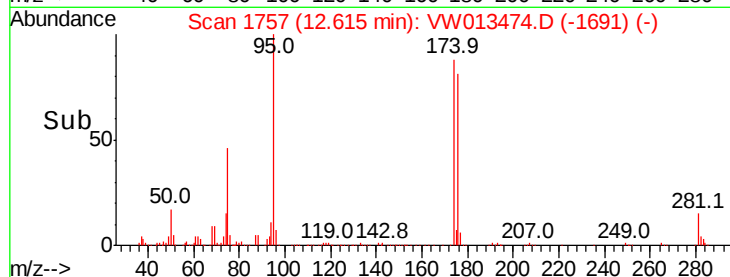
89 0.0 33.5 50.3#



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



#95

Naphthalene

Concen: 2.013 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013474.D

Acq: 07 Oct 2019 19:55

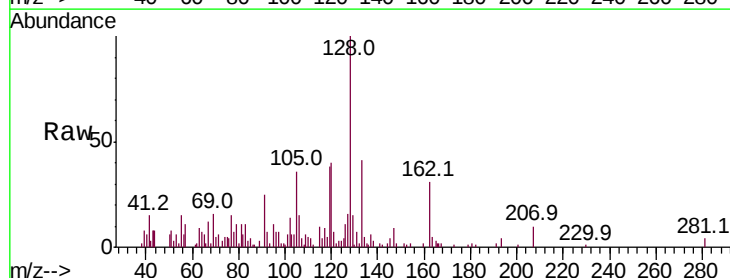
Tgt Ion: 128 Resp: 11144

Ion Ratio Lower Upper

128 100

127 17.2 10.6 15.8#

129 9.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

