

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013403.D
 Acq On : 03 Oct 2019 04:11
 Operator : SY/VA
 Sample : K5168-06
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 08:04:56 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	308950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	376105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160806	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	124659	54.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.08%	
35) Dibromofluoromethane	7.88	113	129380	54.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.12%	
50) Toluene-d8	10.32	98	517750	52.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	160551	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	

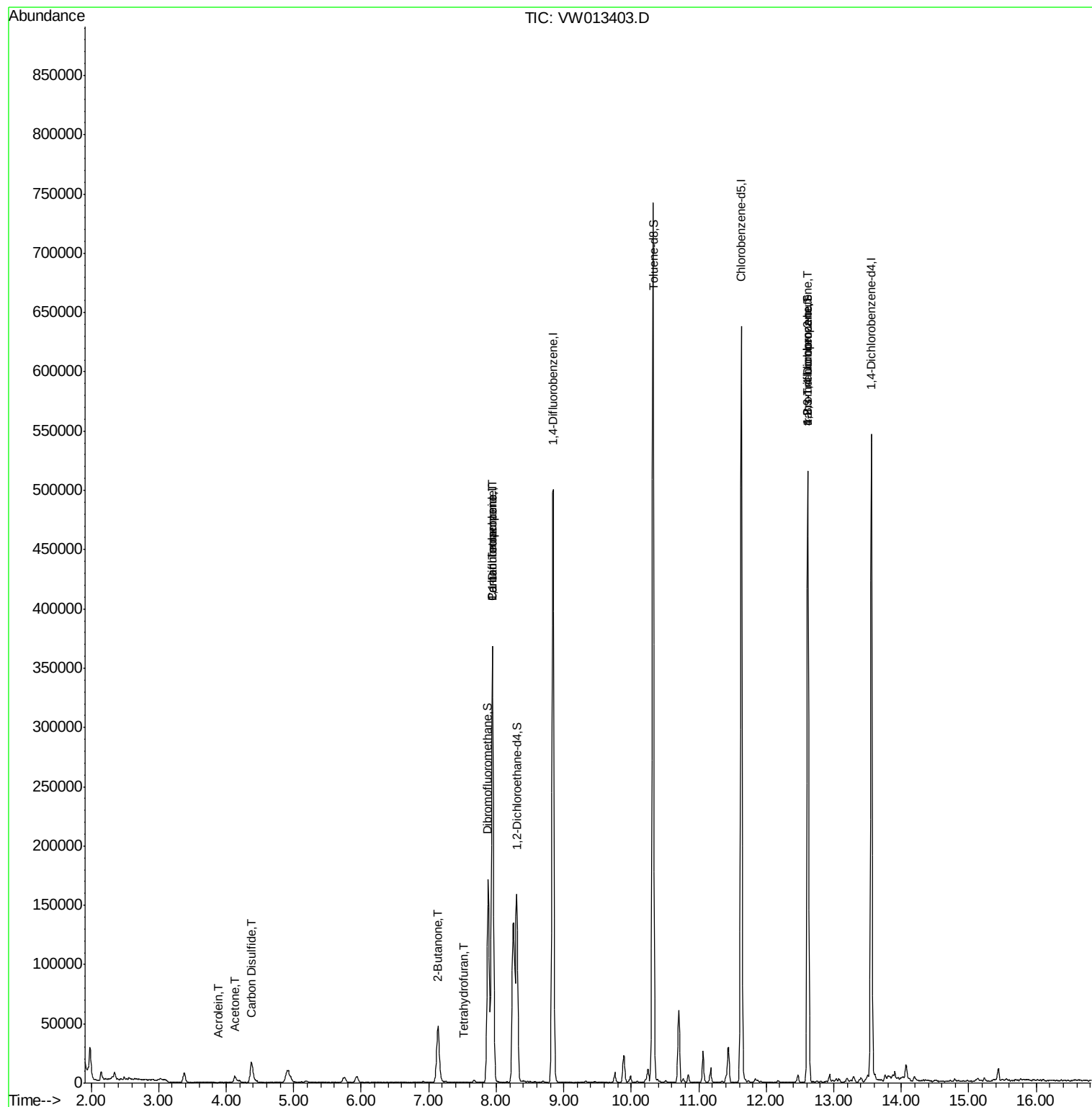
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	2618	Below Cal	#	78
13) Acrolein	3.89	56	367	12.084	ug/l #	64
16) Acetone	4.12	43	9985	14.121	ug/l #	89
17) Carbon Disulfide	4.37	76	38660	4.873	ug/l	99
25) 2-Butanone	7.15	43	3688	4.076	ug/l #	87
26) 2,2-Dichloropropane	7.14	77	3419	Below Cal	#	52
29) Tetrahydrofuran	7.52	42	20	9.730	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	20095	4.787	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26823	7.377	ug/l #	18
49) 1,4-Dioxane	9.21	88	51	Below Cal	#	8
76) 1,2,3-Trichloropropane	12.62	75	74389	52.050	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74389	105.586	ug/l #	12

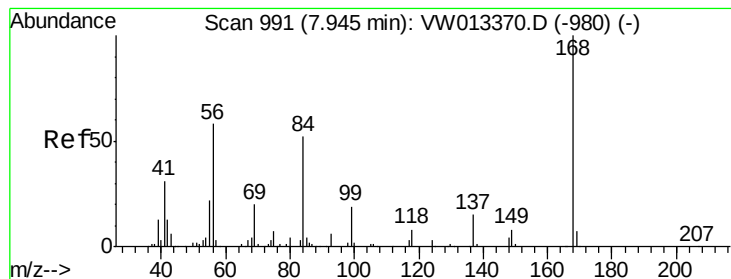
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013403.D

Acq: 03 Oct 2019 04:11

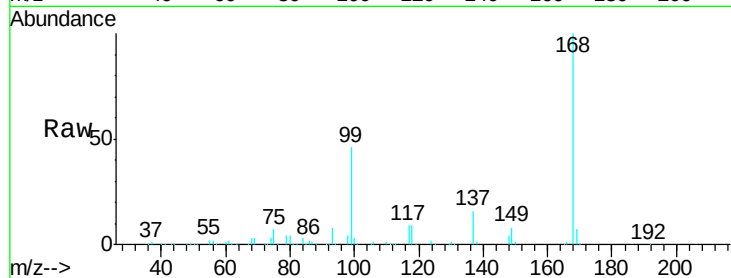
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 168 Resp: 308950

Ion Ratio Lower Upper

168 100

99 46.0 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

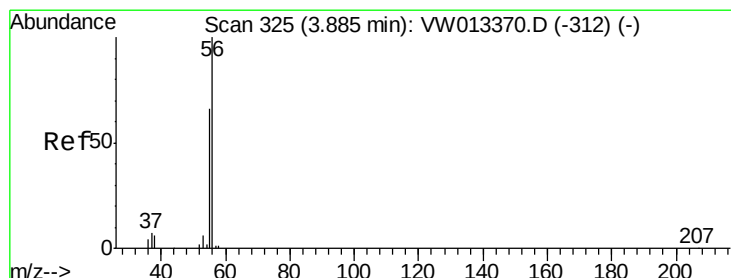
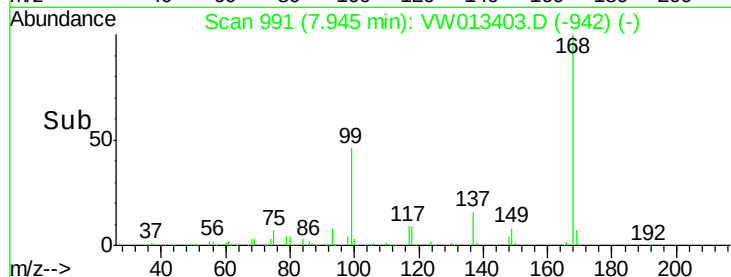
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#13

Acrolein

Concen: 12.084 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013403.D

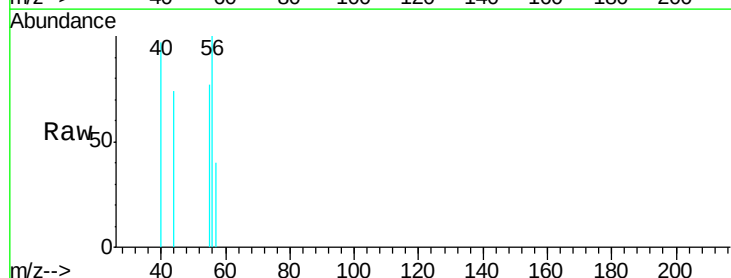
Acq: 03 Oct 2019 04:11

Tgt Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 98.6 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

250

200

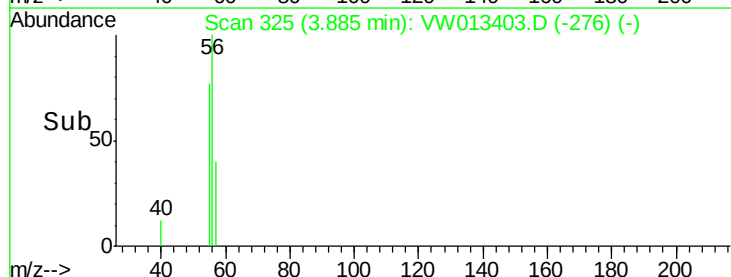
150

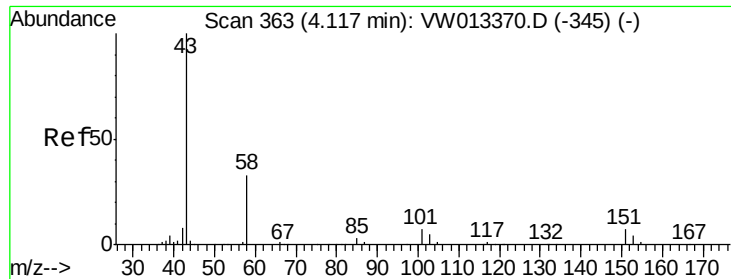
100

50

0

Time--> 3.85 3.90





#16

Acetone

Concen: 14.121 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :

MSVOA_W

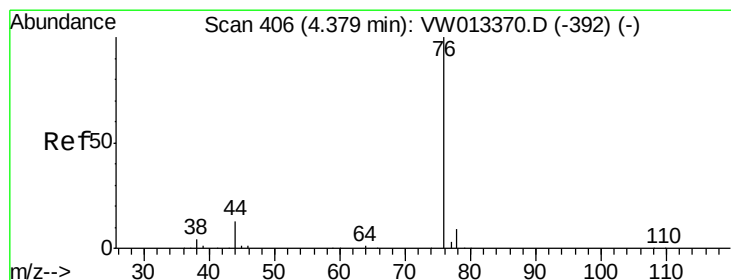
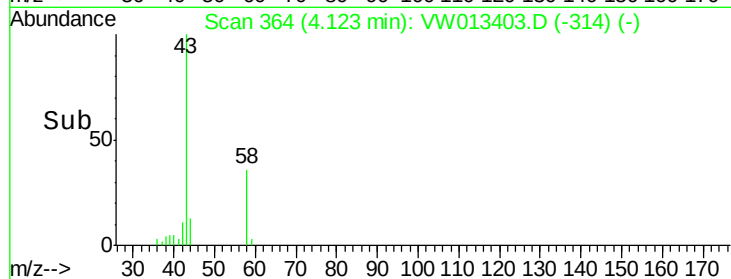
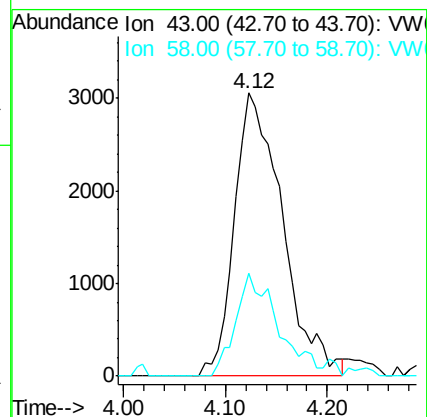
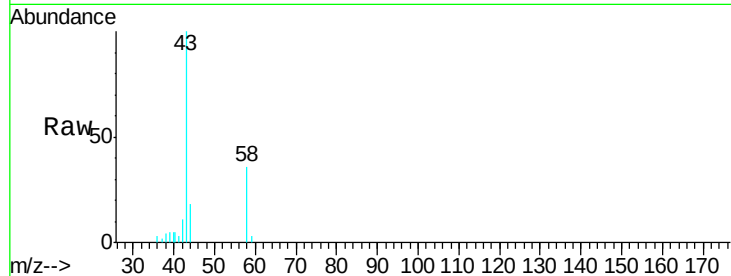
ClientSampleId :

Tgt Ion: 43 Resp: 9985

Ion Ratio Lower Upper

43 100

58 36.2 24.1 36.1#



#17

Carbon Disulfide

Concen: 4.873 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013403.D

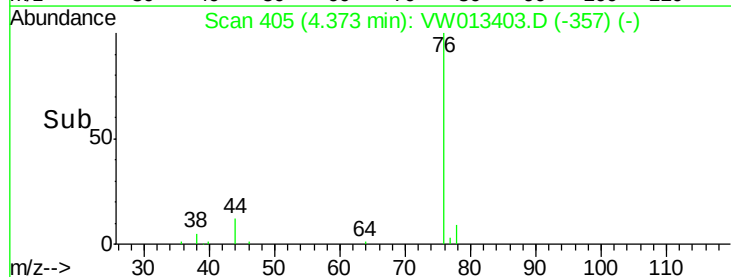
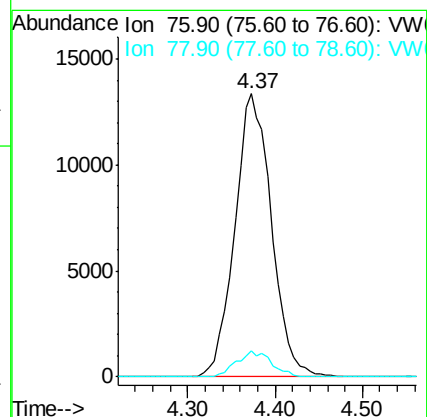
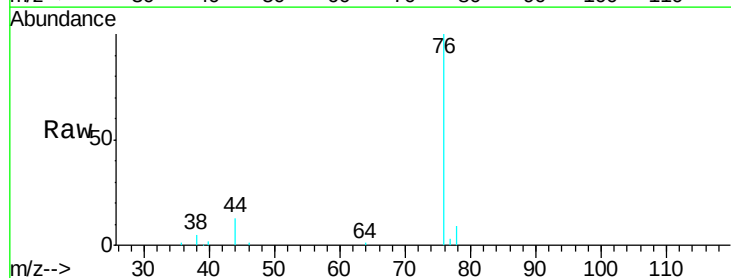
Acq: 03 Oct 2019 04:11

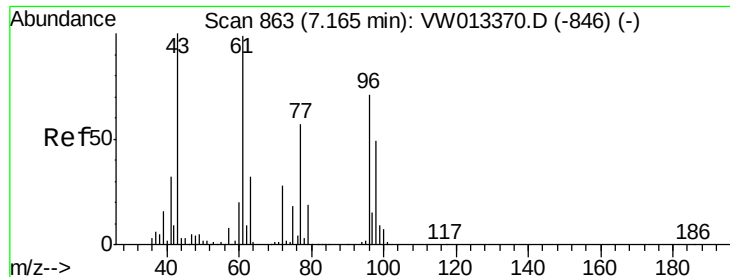
Tgt Ion: 76 Resp: 38660

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4





#25

2-Butanone

Concen: 4.076 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :

MSVOA_W

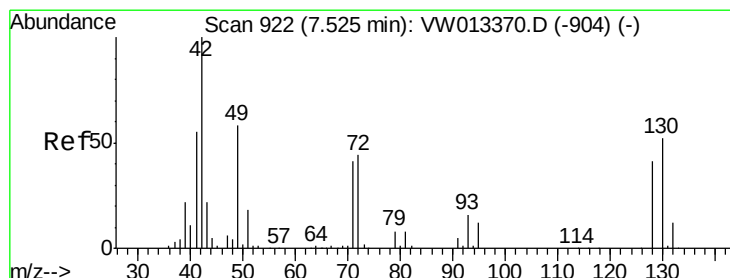
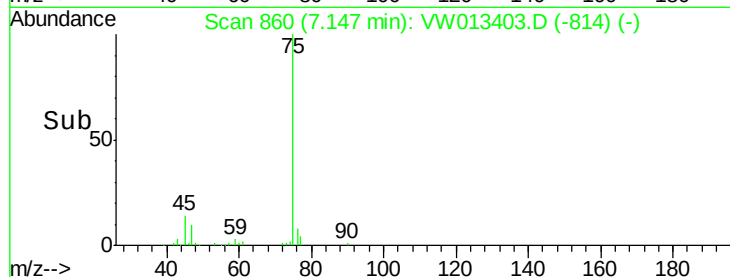
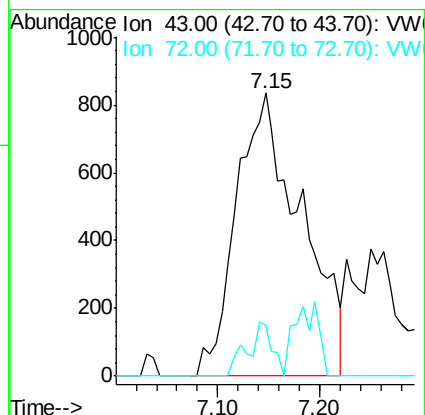
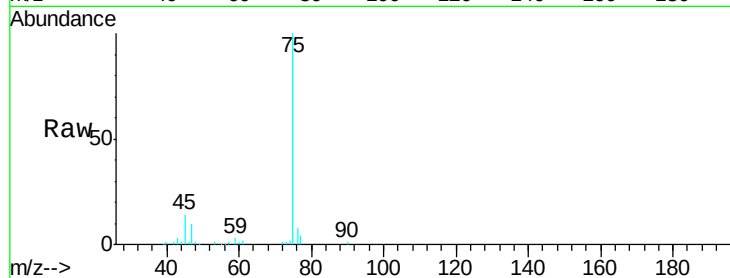
ClientSampleId :

Tgt Ion: 43 Resp: 3688

Ion Ratio Lower Upper

43 100

72 17.6 19.4 29.0#



#29

Tetrahydrofuran

Concen: 9.730 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

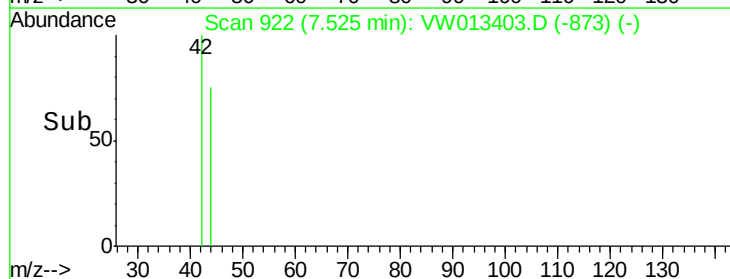
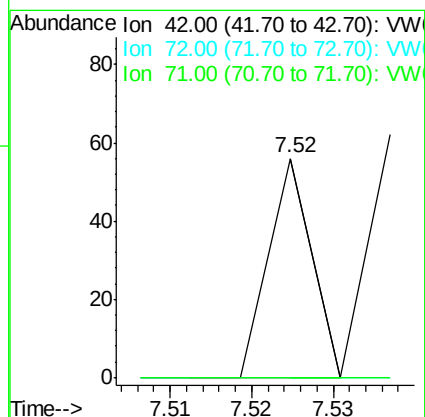
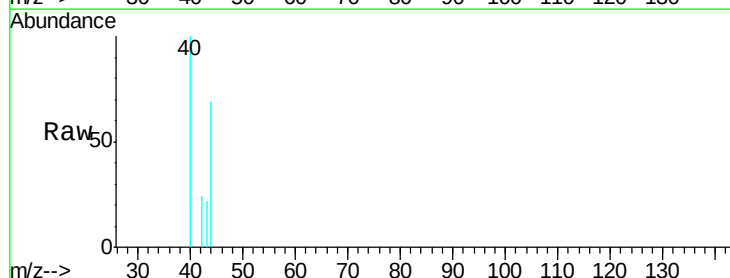
Tgt Ion: 42 Resp: 20

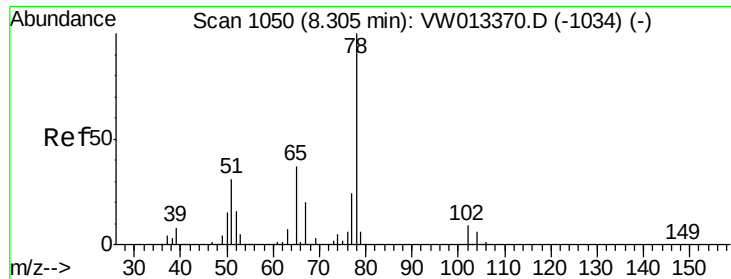
Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#

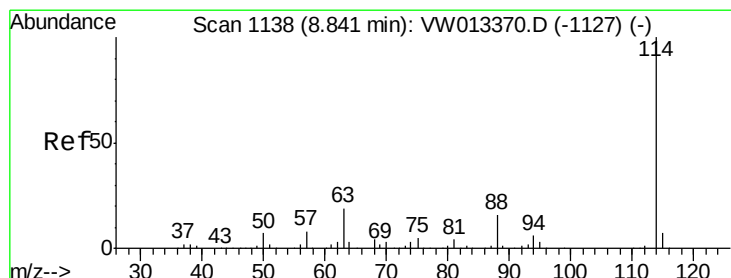
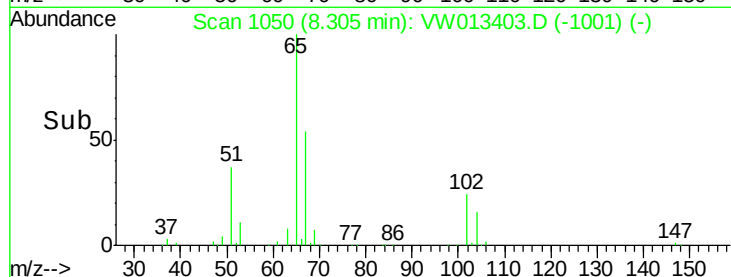
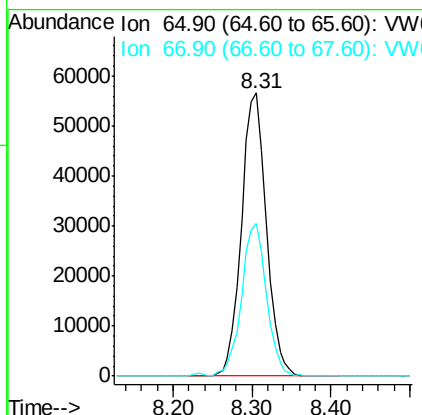
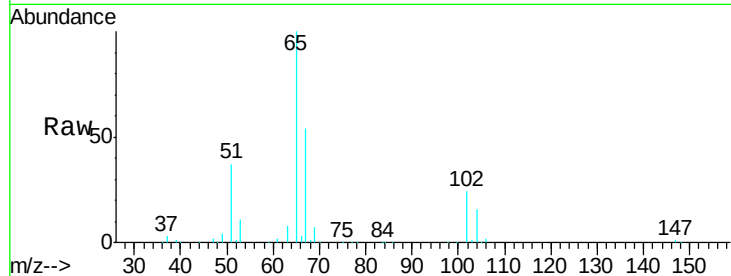




#33
 1,2-Dichloroethane-d4
 Concen: 54.039 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013403.D
 Acq: 03 Oct 2019 04:11

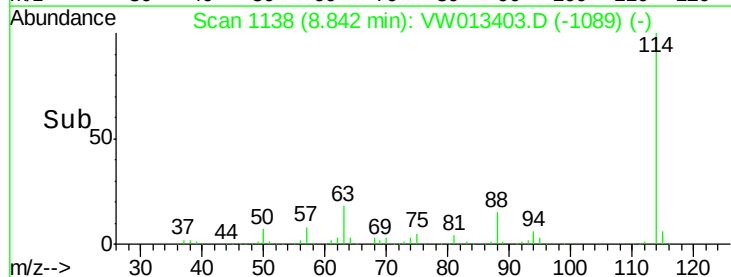
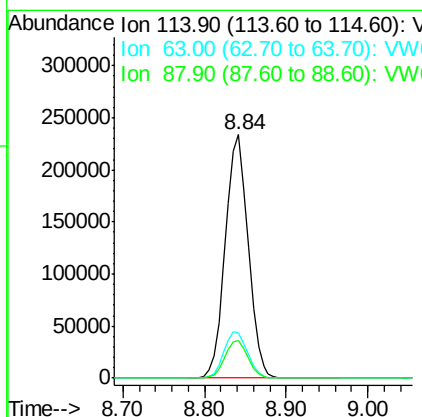
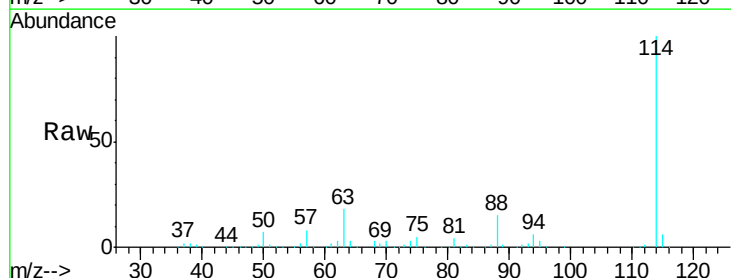
Instrument :
 MSVOA_W
 ClientSampleId :

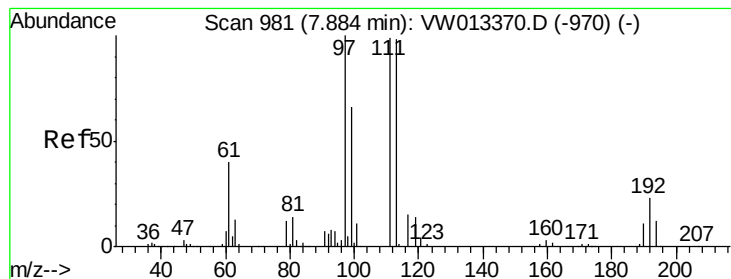
Tgt Ion: 65 Resp: 124659
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013403.D
 Acq: 03 Oct 2019 04:11

Tgt Ion: 114 Resp: 451926
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.4
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.559 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :
MSVOA_W
ClientSampled :

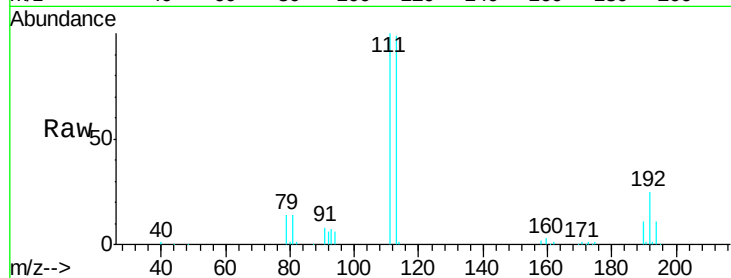
Tgt Ion:113 Resp: 129380

Ion Ratio Lower Upper

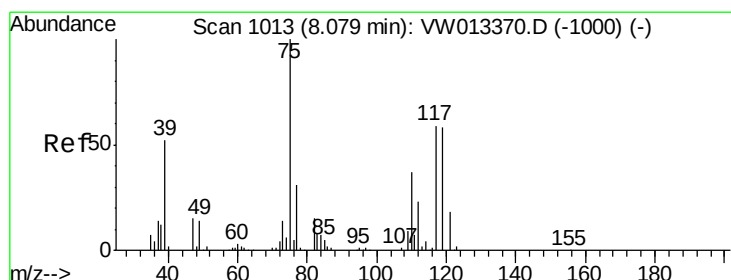
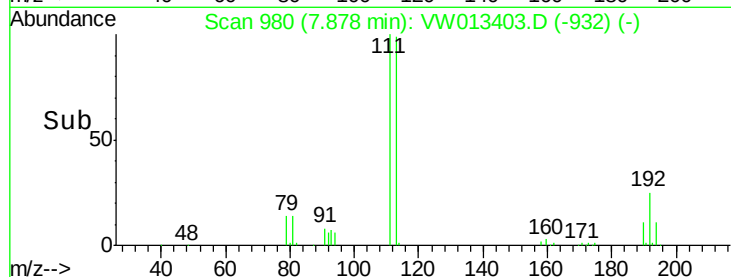
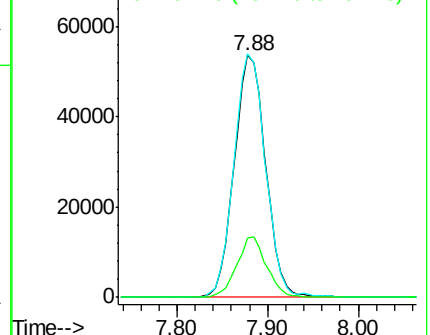
113 100

111 100.7 81.9 122.9

192 23.6 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: 4.787 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

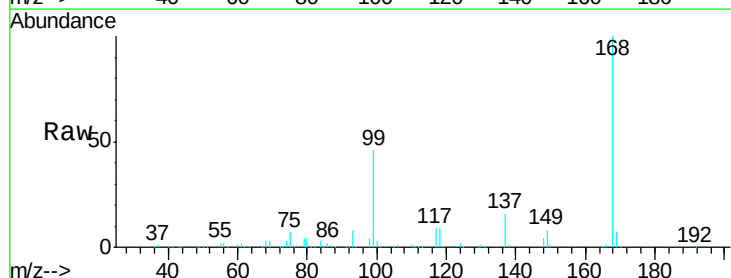
Tgt Ion: 75 Resp: 20095

Ion Ratio Lower Upper

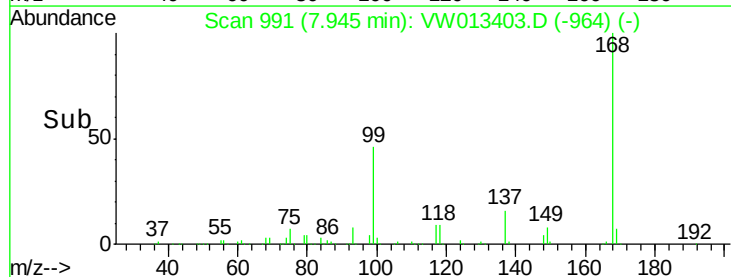
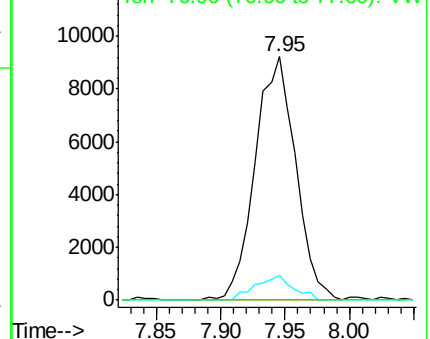
75 100

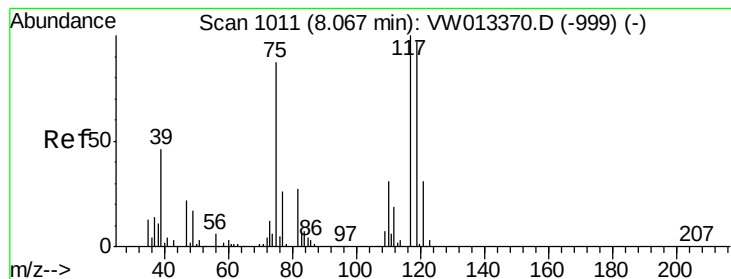
110 9.4 18.1 54.3#

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





#38

Carbon Tetrachloride

Concen: 7.377 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :

MSVOA_W

ClientSampleId :

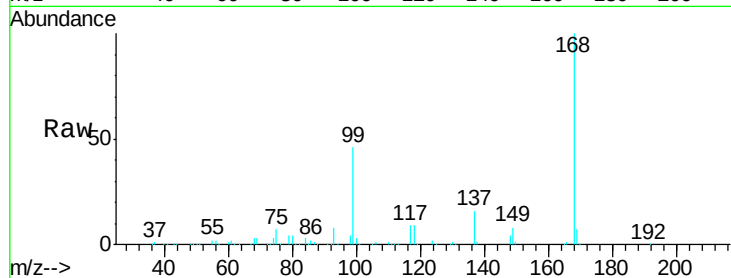
Tgt Ion: 117 Resp: 26823

Ion Ratio Lower Upper

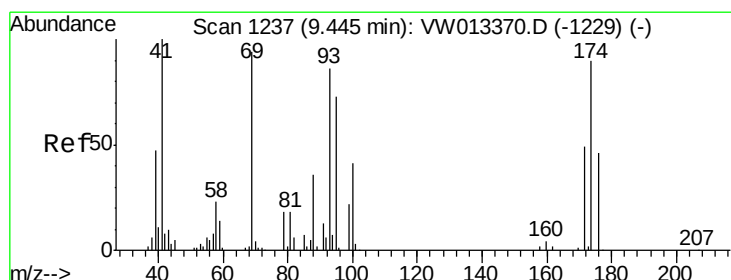
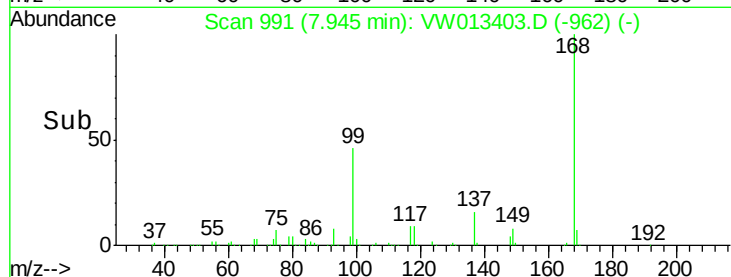
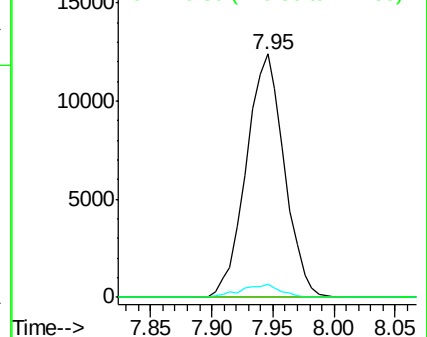
117 100

119 5.4 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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.21 min Scan# 1198

Delta R.T. -0.24 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

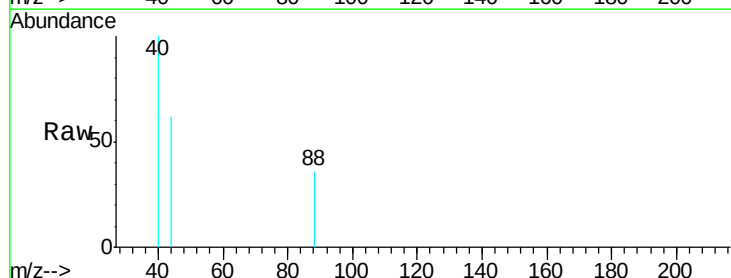
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

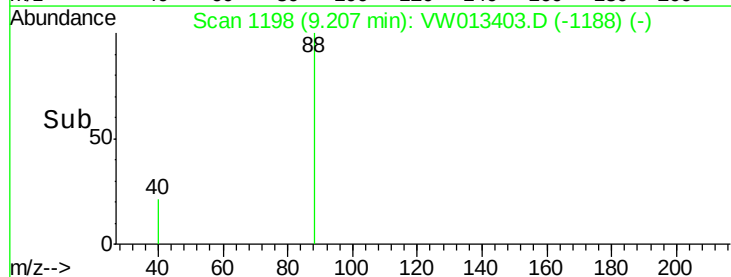
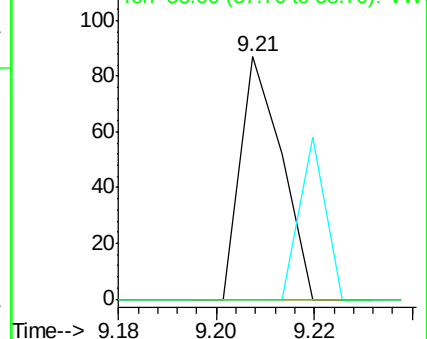
88 100

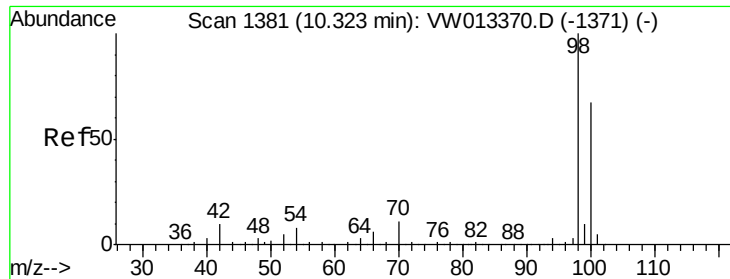
43 0.0 0.0 0.0

58 0.0 65.4 98.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.613 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :

MSVOA_W

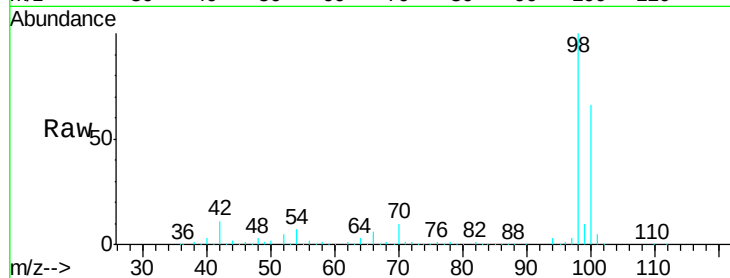
ClientSampleId :

Tgt Ion: 98 Resp: 517750

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

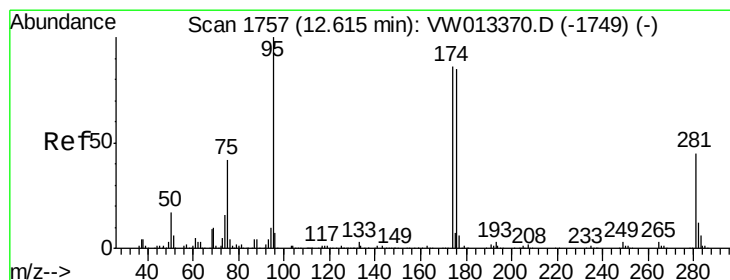
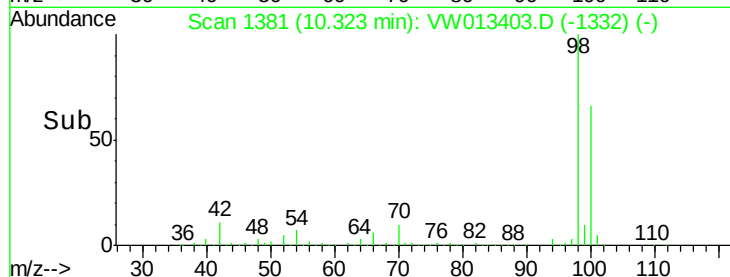
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.856 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

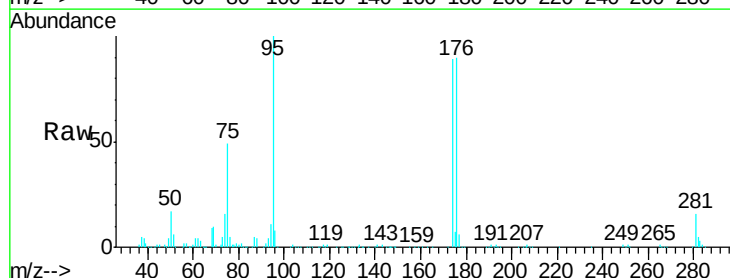
Tgt Ion: 95 Resp: 160551

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 87.4 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

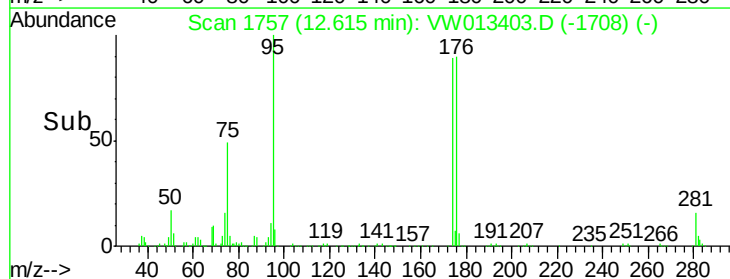
60000

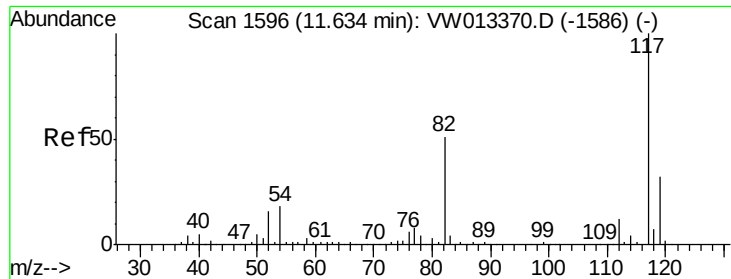
40000

20000

0

Time-->

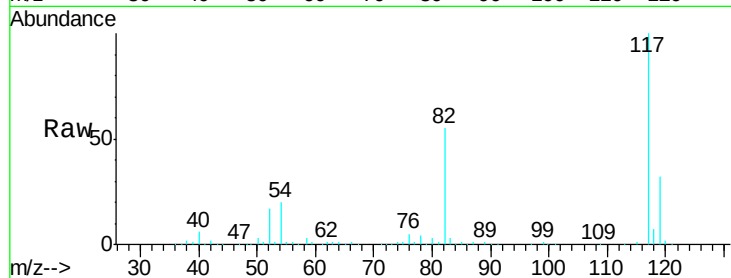




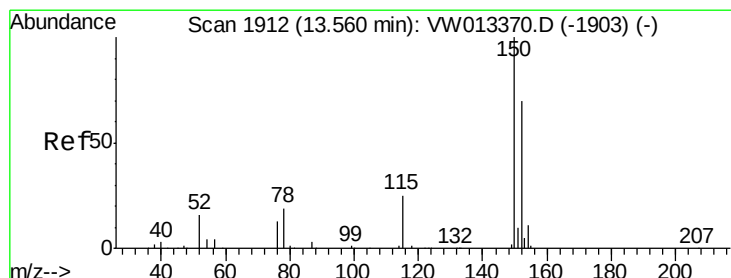
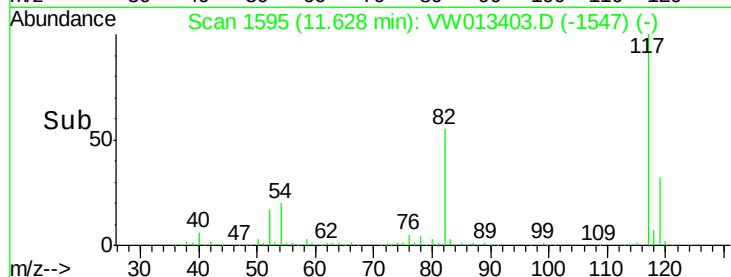
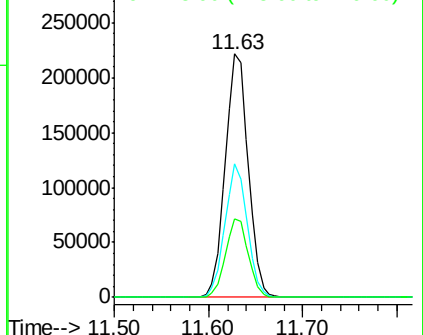
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013403.D
Acq: 03 Oct 2019 04:11

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:117 Resp: 376105
Ion Ratio Lower Upper
117 100
82 54.7 45.9 68.9
119 32.1 26.2 39.2

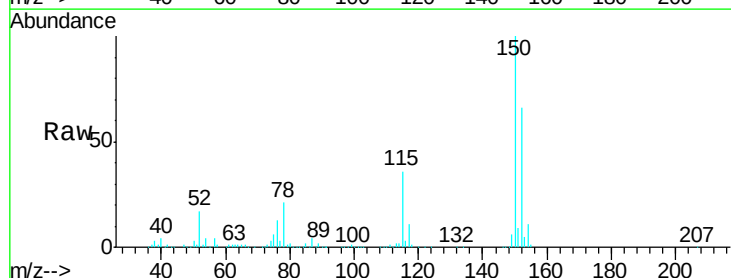


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

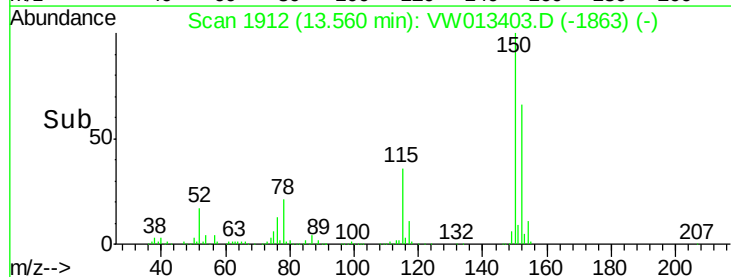
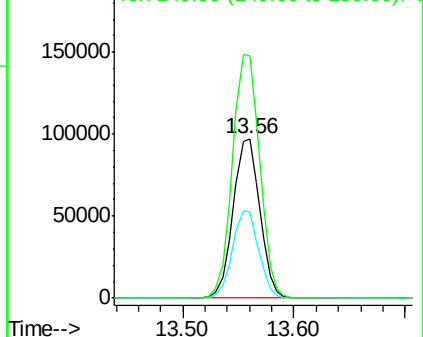


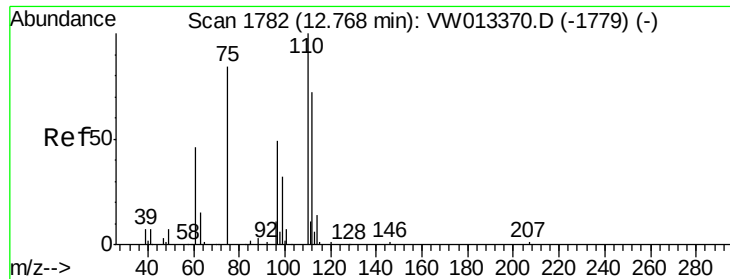
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013403.D
Acq: 03 Oct 2019 04:11

Tgt Ion:152 Resp: 160806
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 156.1 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: 52.050 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

Instrument :

MSVOA_W

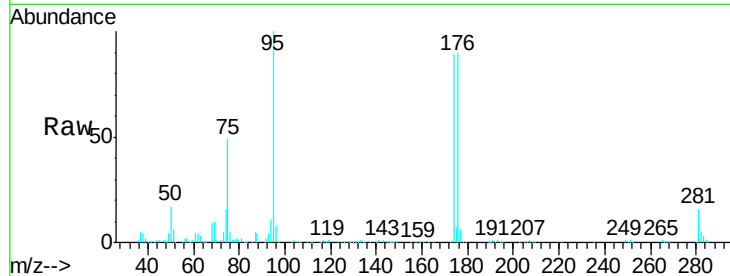
ClientSampled :

Tgt Ion: 75 Resp: 74389

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

50000

40000

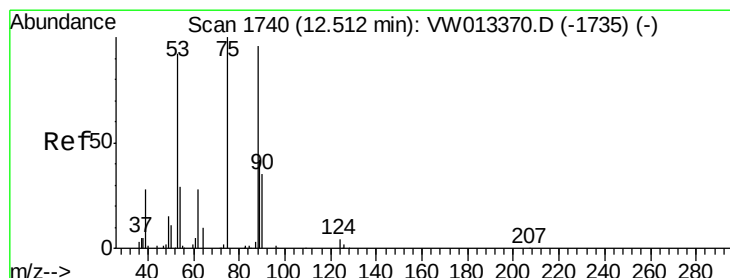
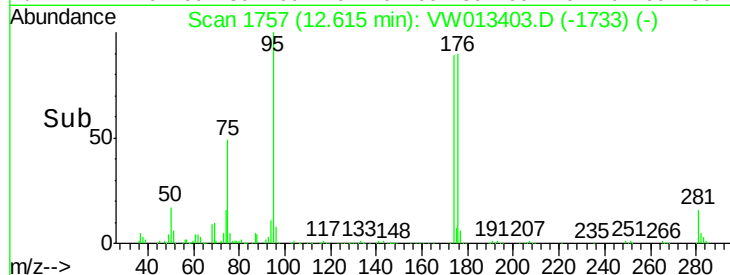
30000

20000

10000

0

Time--> 12.50 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 105.586 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013403.D

Acq: 03 Oct 2019 04:11

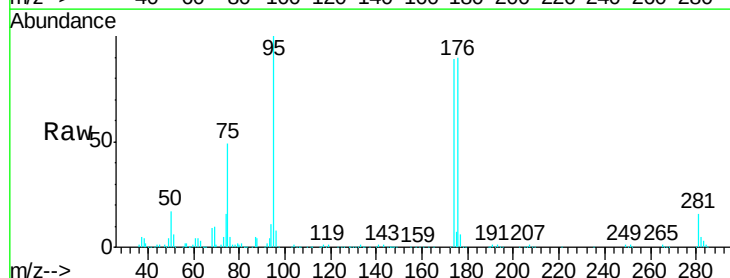
Tgt Ion: 75 Resp: 74389

Ion Ratio Lower Upper

75 100

53 0.1 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

12.62

60000

50000

40000

30000

20000

10000

0

Time--> 12.50 12.60 12.70

