

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013383.D
 Acq On : 02 Oct 2019 17:21
 Operator : SY/VA
 Sample : K4946-08RE
 Misc : 7.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (1-3)

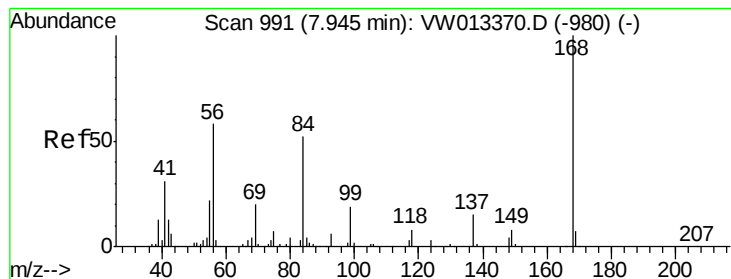
Quant Time: Oct 03 07:03:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144349	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	134901	55.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.46%	
35) Dibromofluoromethane	7.88	113	136313	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.16%	
50) Toluene-d8	10.32	98	556232	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.36%	
62) 4-Bromofluorobenzene	12.62	95	153836	44.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	11255	30.069	ug/l #	73
16) Acetone	4.14	43	1171	1.578	ug/l	93
20) Methylene Chloride	4.91	84	10597	1.691	ug/l #	94
26) 2,2-Dichloropropane	7.15	77	627	Below Cal	#	52
29) Tetrahydrofuran	7.49	42	25	9.737	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	20479	4.590	ug/l #	48
38) Carbon Tetrachloride	7.94	117	28052	7.258	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2273	1.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	71782	55.952	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71782	113.186	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

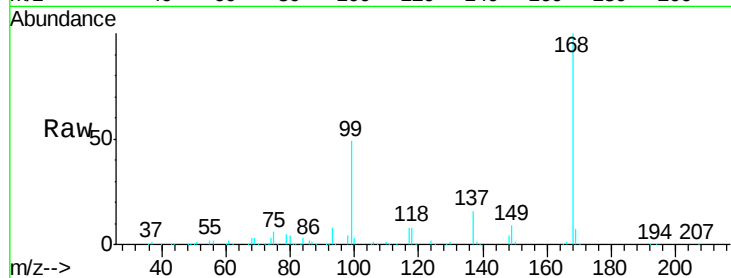
GP-4 (1-3)

Tgt Ion: 168 Resp: 324209

Ion Ratio Lower Upper

168 100

99 48.8 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

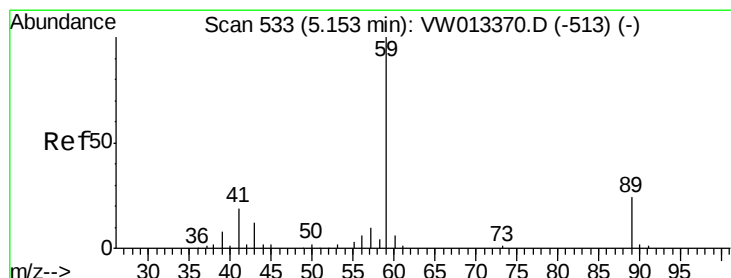
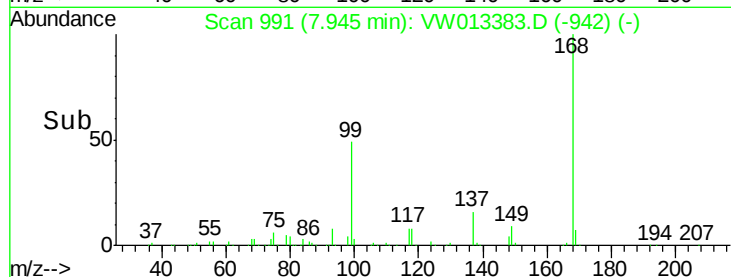
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 30.069 ug/l

RT: 5.10 min Scan# 525

Delta R.T. -0.05 min

Lab File: VW013383.D

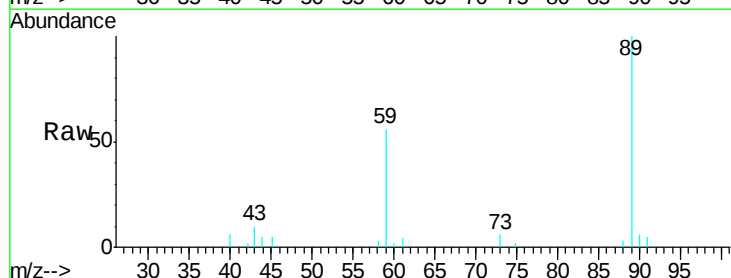
Acq: 02 Oct 2019 17:21

Tgt Ion: 59 Resp: 11255

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

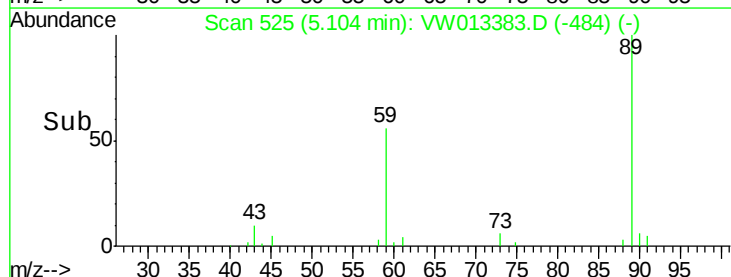
3000

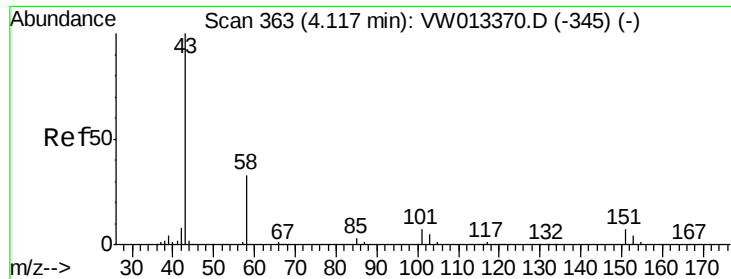
2000

1000

0

Time-->





#16

Acetone

Concen: 1.578 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

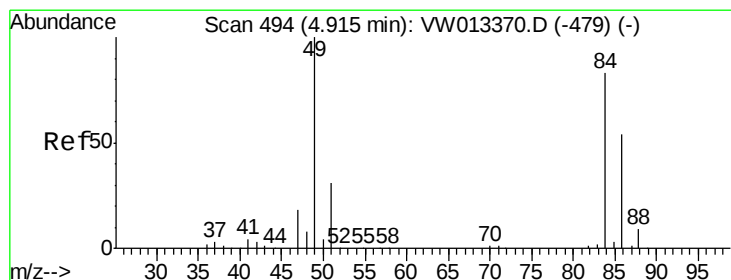
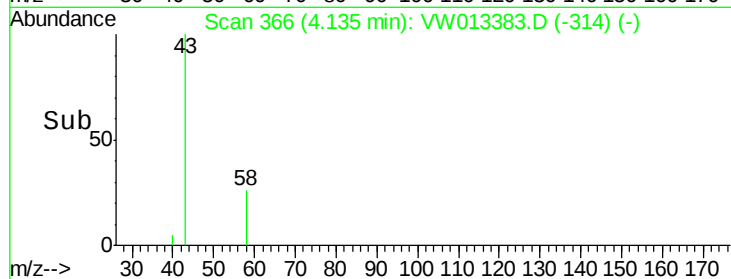
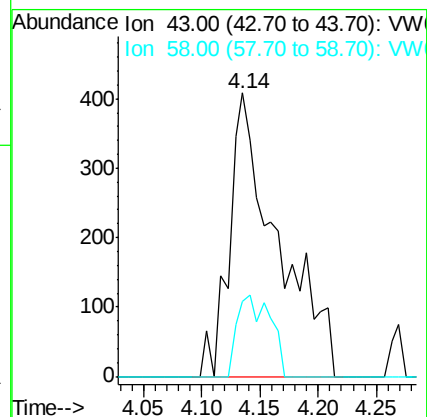
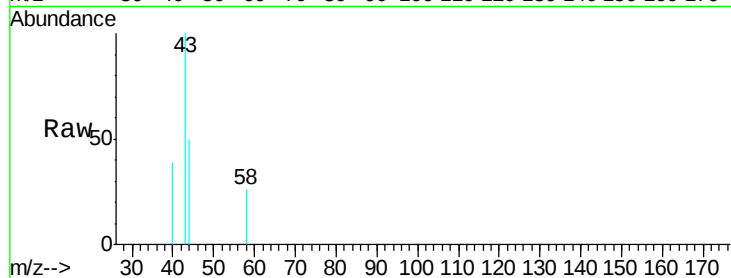
GP-4 (1-3)

Tgt Ion: 43 Resp: 1171

Ion Ratio Lower Upper

43 100

58 26.5 24.1 36.1



#20

Methylene Chloride

Concen: 1.691 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Tgt Ion: 84 Resp: 10597

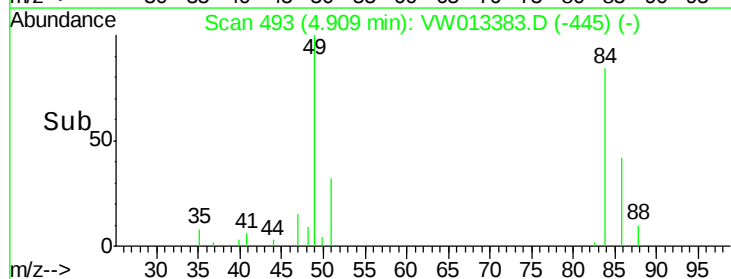
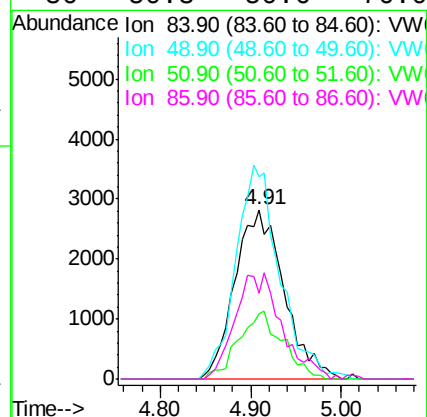
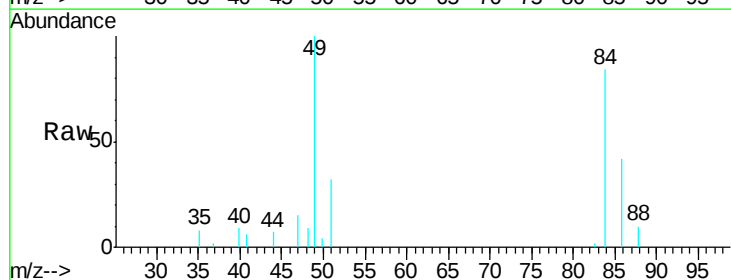
Ion Ratio Lower Upper

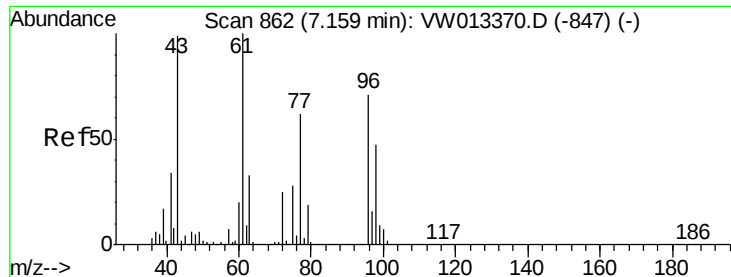
84 100

49 119.4 97.6 146.4

51 38.2 30.2 45.2

86 50.3 50.6 76.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

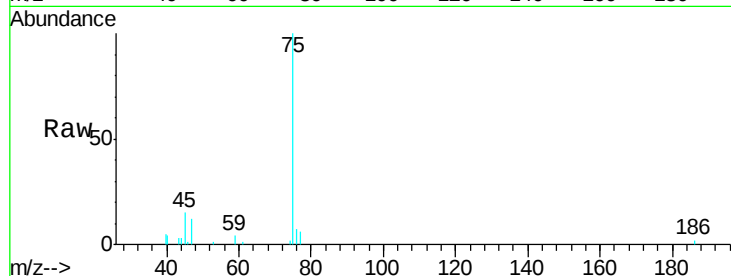
GP-4 (1-3)

Tgt Ion: 77 Resp: 627

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

7.15

250

200

150

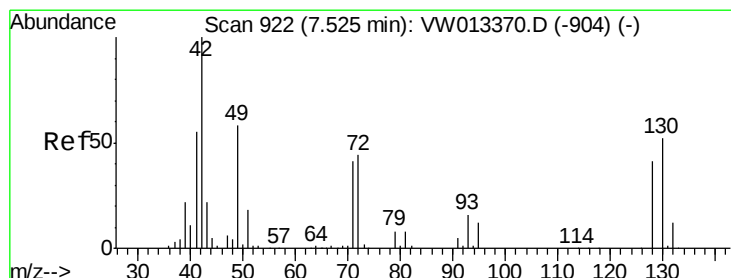
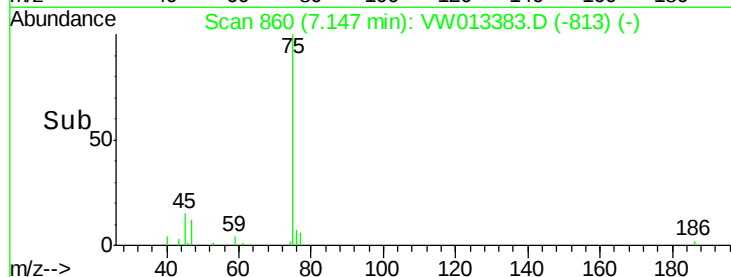
100

50

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 9.737 ug/l

RT: 7.49 min Scan# 917

Delta R.T. -0.03 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

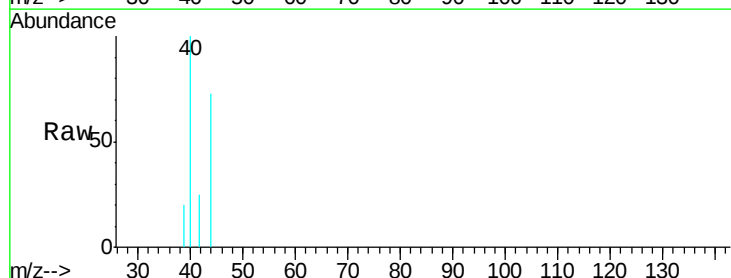
Tgt Ion: 42 Resp: 25

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 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

7.49

80

60

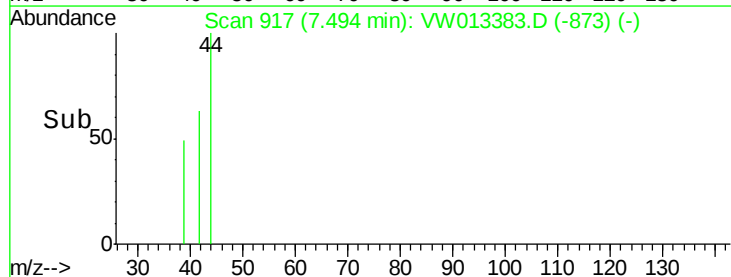
40

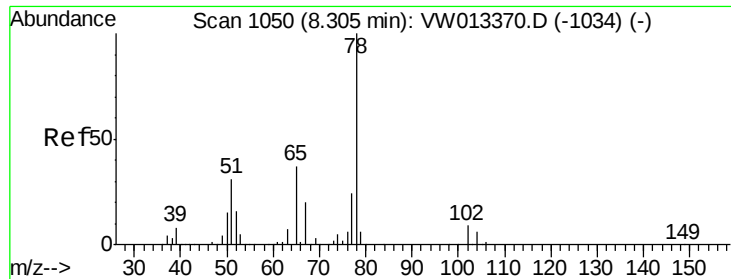
20

0

7.47 7.48 7.49 7.50 7.51

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.726 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

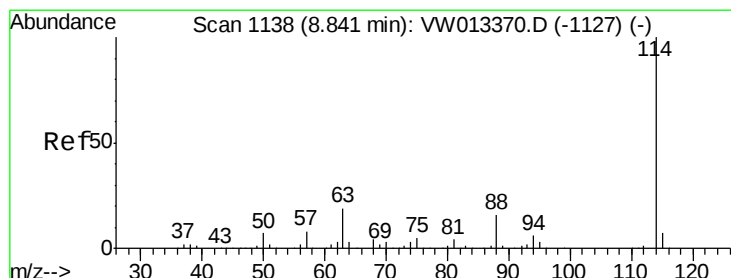
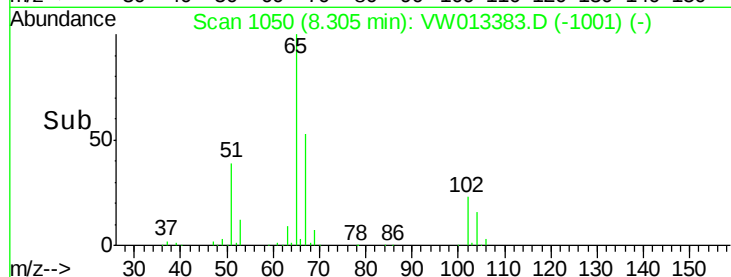
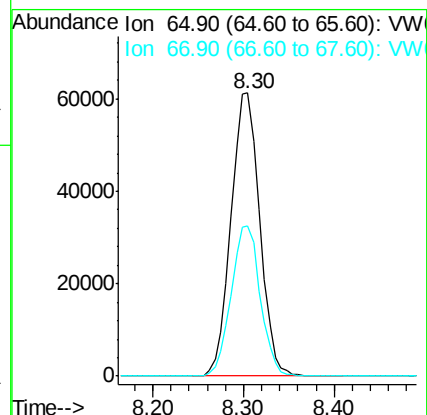
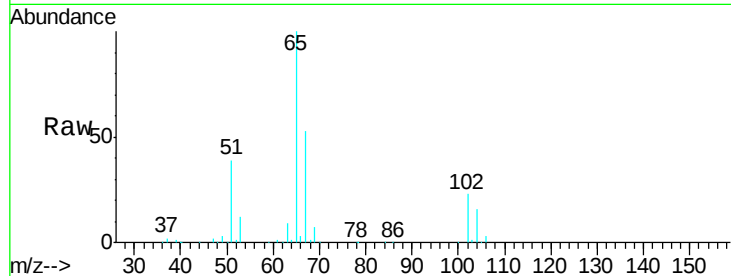
GP-4 (1-3)

Tgt Ion: 65 Resp: 134901

Ion Ratio Lower Upper

65 100

67 53.7 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: VW013383.D

Acq: 02 Oct 2019 17:21

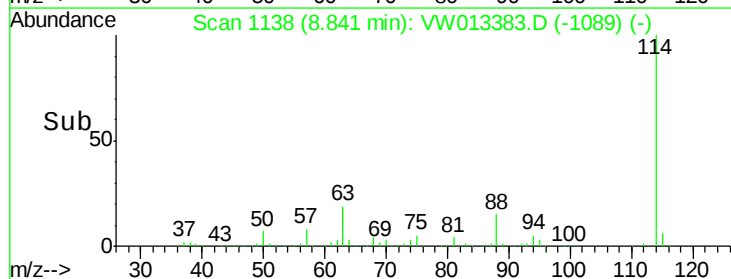
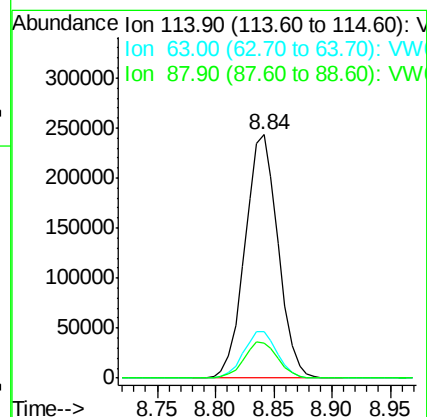
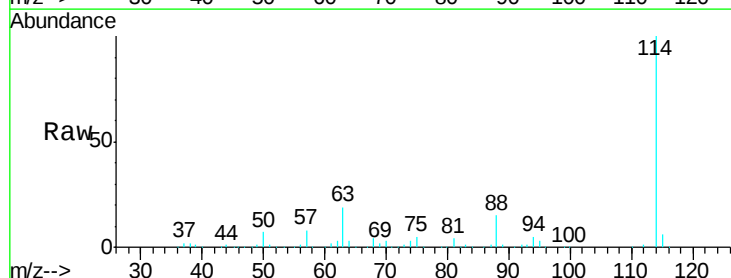
Tgt Ion: 114 Resp: 480356

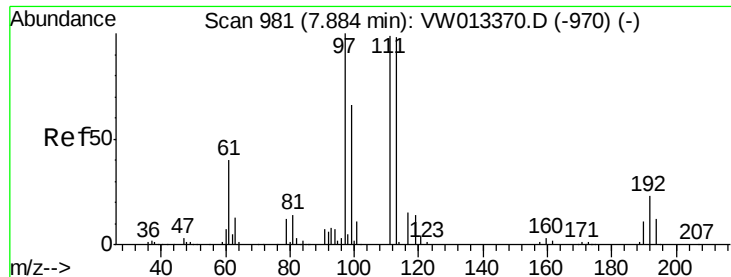
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

88 14.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.081 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

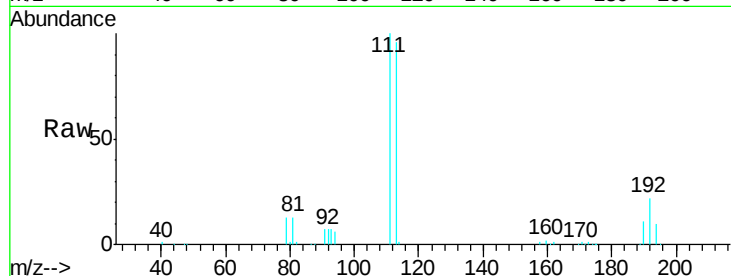
Tgt Ion:113 Resp: 136313

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

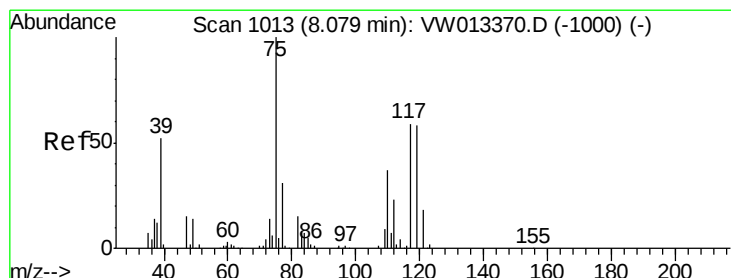
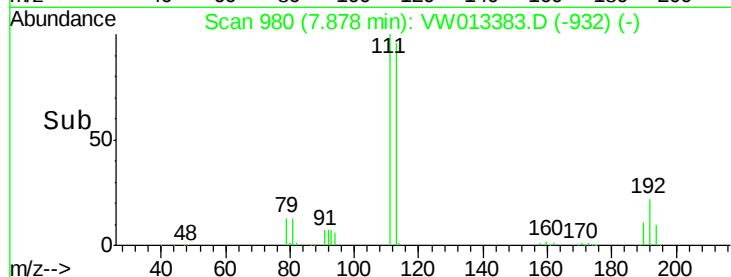
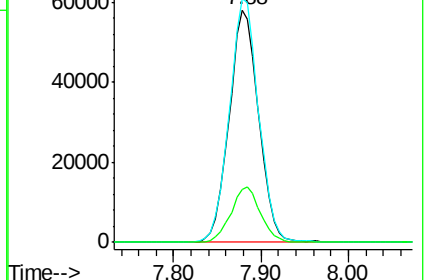
192 23.7 19.1 28.7



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: 4.590 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

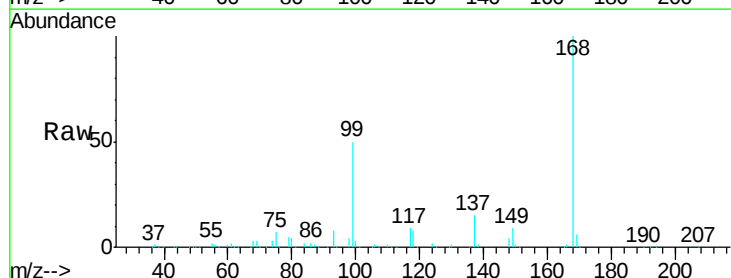
Tgt Ion: 75 Resp: 20479

Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.3#

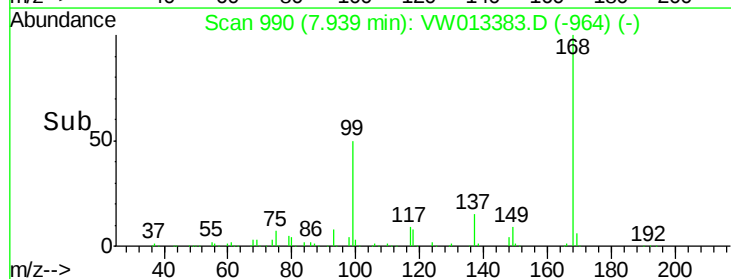
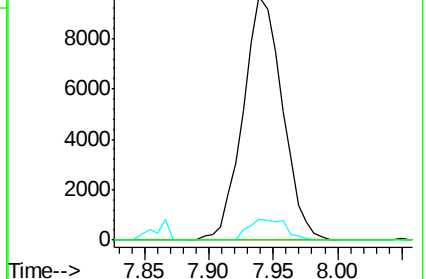
77 0.0 25.8 38.6#

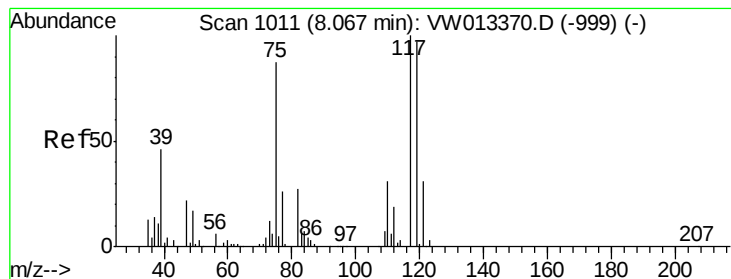


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.258 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

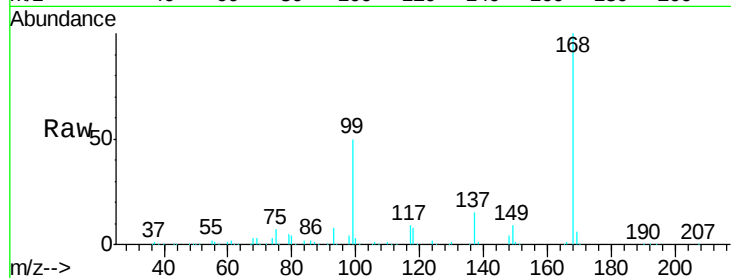
Tgt Ion:117 Resp: 28052

Ion Ratio Lower Upper

117 100

119 4.7 73.5 110.3#

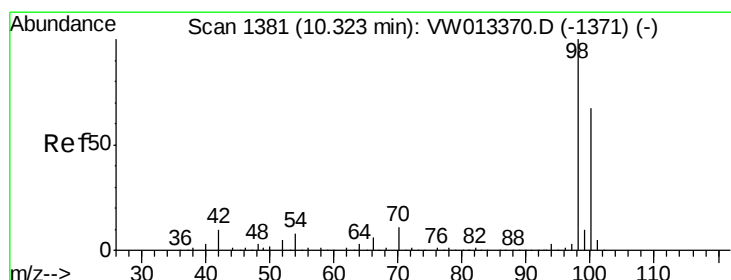
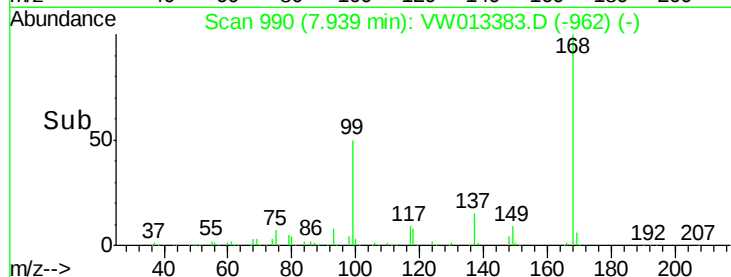
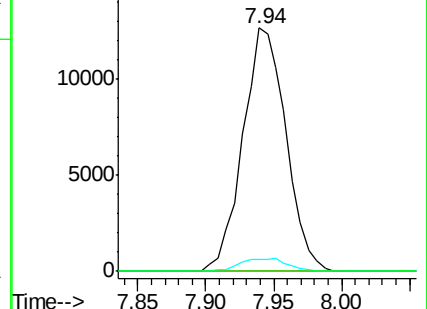
121 0.0 25.0 37.6#



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: 53.178 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013383.D

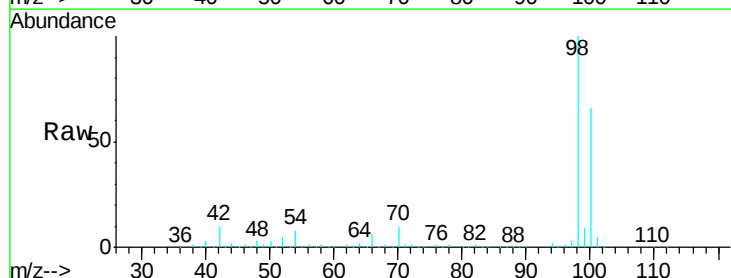
Acq: 02 Oct 2019 17:21

Tgt Ion: 98 Resp: 556232

Ion Ratio Lower Upper

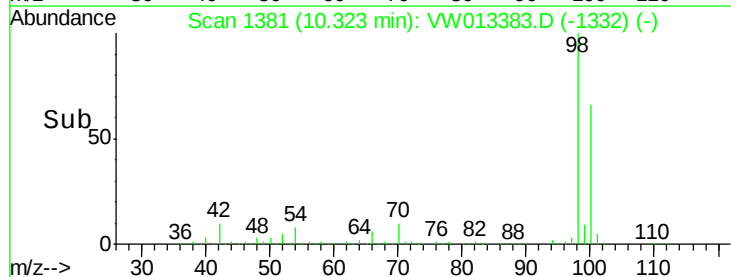
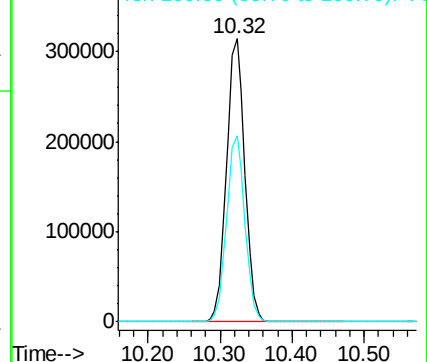
98 100

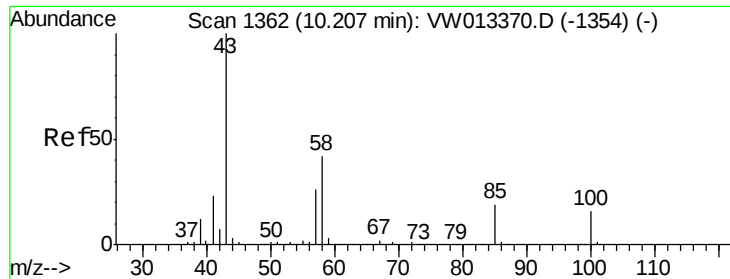
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.167 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

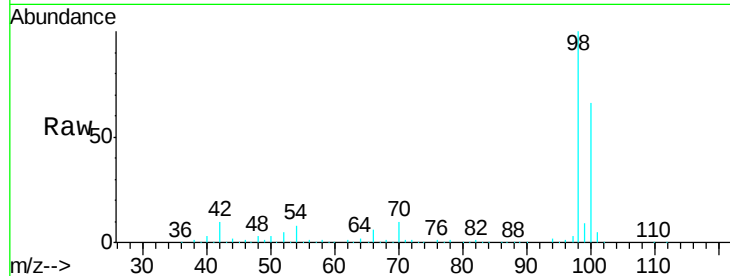
GP-4 (1-3)

Tgt Ion: 43 Resp: 2273

Ion Ratio Lower Upper

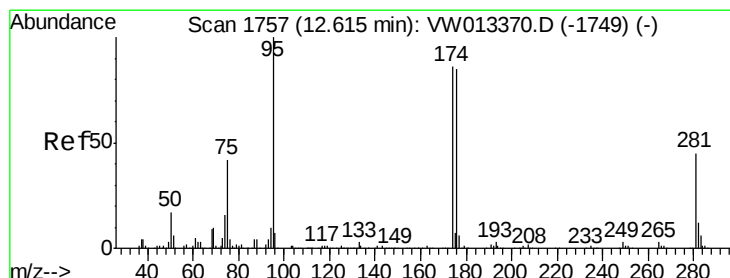
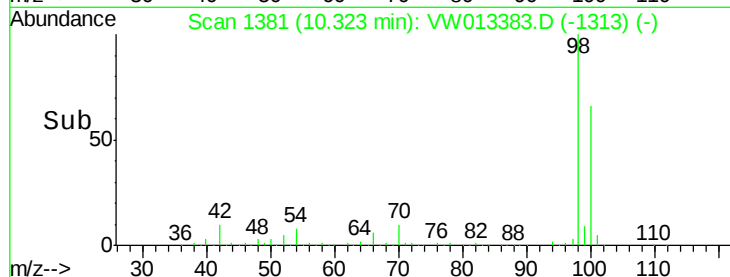
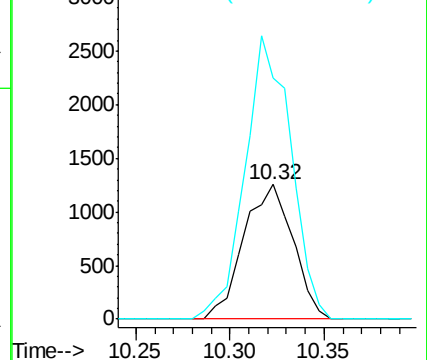
43 100

58 195.7 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 44.042 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

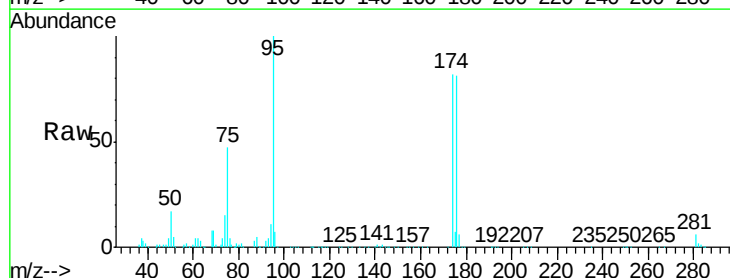
Tgt Ion: 95 Resp: 153836

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

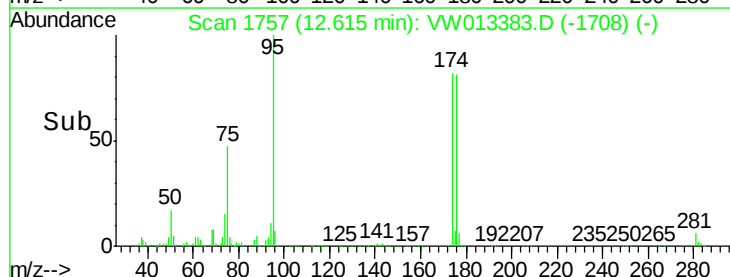
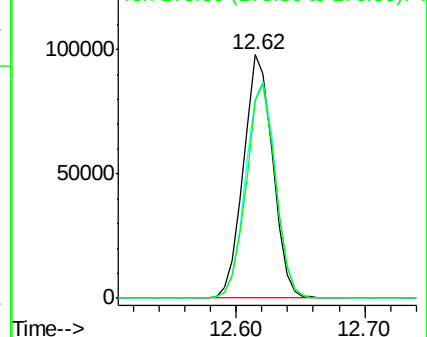
176 86.9 0.0 172.2

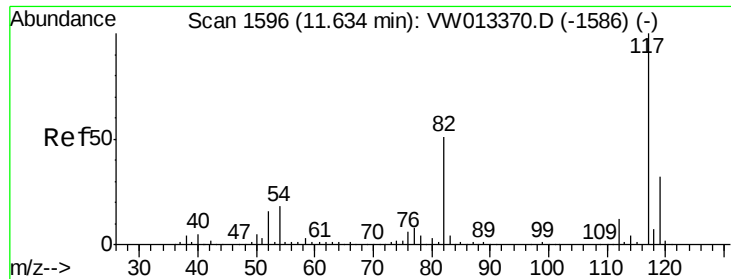


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

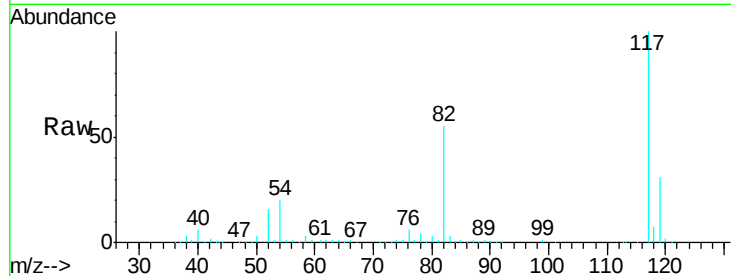




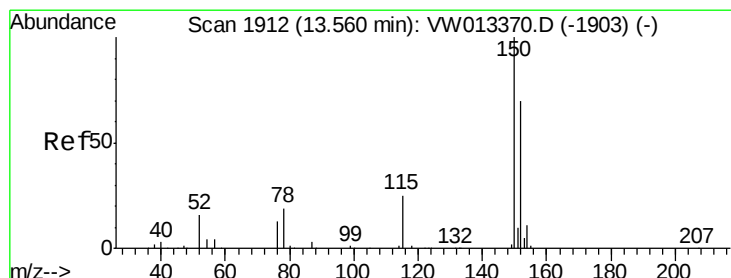
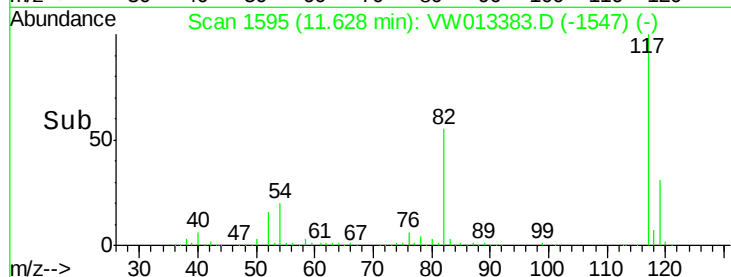
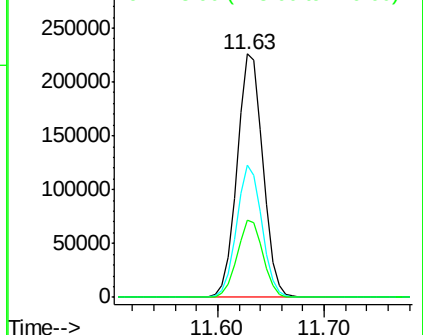
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013383.D
Acq: 02 Oct 2019 17:21

Instrument :
MSVOA_W
ClientSampled :
GP-4 (1-3)

Tgt Ion:117 Resp: 385495
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 31.5 26.2 39.2

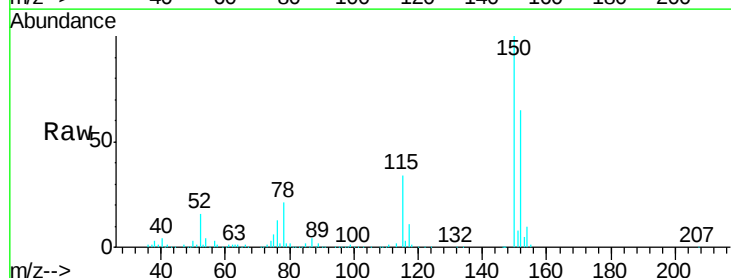


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

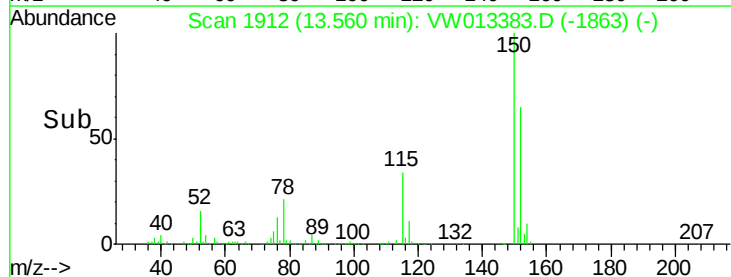
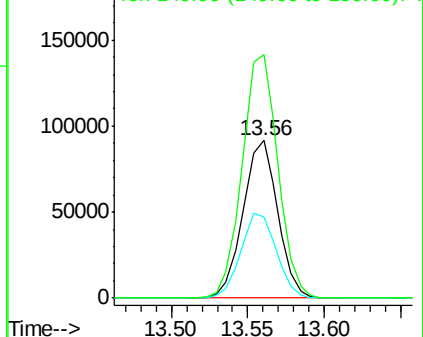


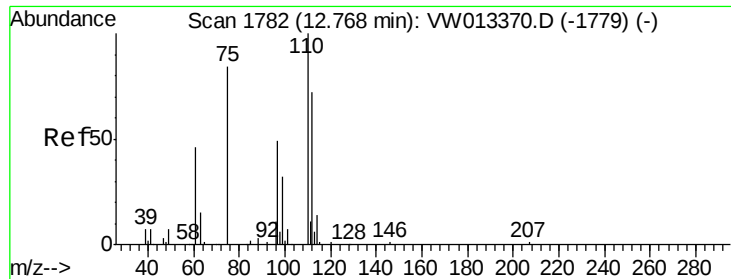
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013383.D
Acq: 02 Oct 2019 17:21

Tgt Ion:152 Resp: 144349
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 158.8 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: 55.952 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Instrument :

MSVOA_W

ClientSampleId :

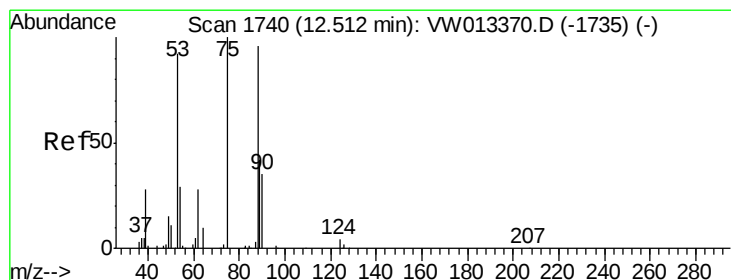
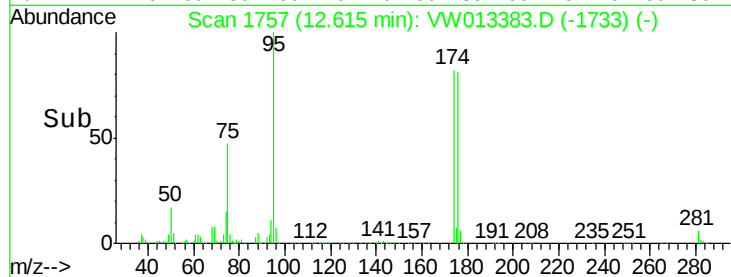
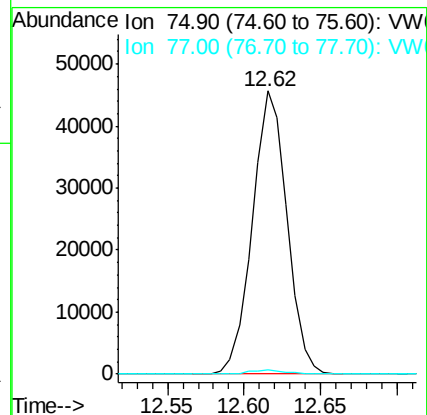
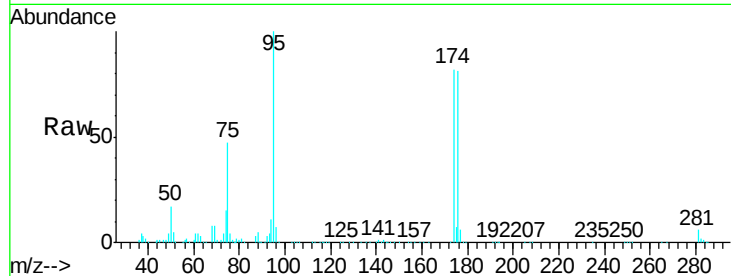
GP-4 (1-3)

Tgt Ion: 75 Resp: 71782

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013383.D

Acq: 02 Oct 2019 17:21

Tgt Ion: 75 Resp: 71782

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

