

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013337.D
 Acq On : 30 Sep 2019 17:01
 Operator : SY/VA
 Sample : K5083-06
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 18:08:05 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	7.95	168	149690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	211181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	179298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78353	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	65825	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	7.88	113	63881	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
50) Toluene-d8	10.32	98	242704	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	76297	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

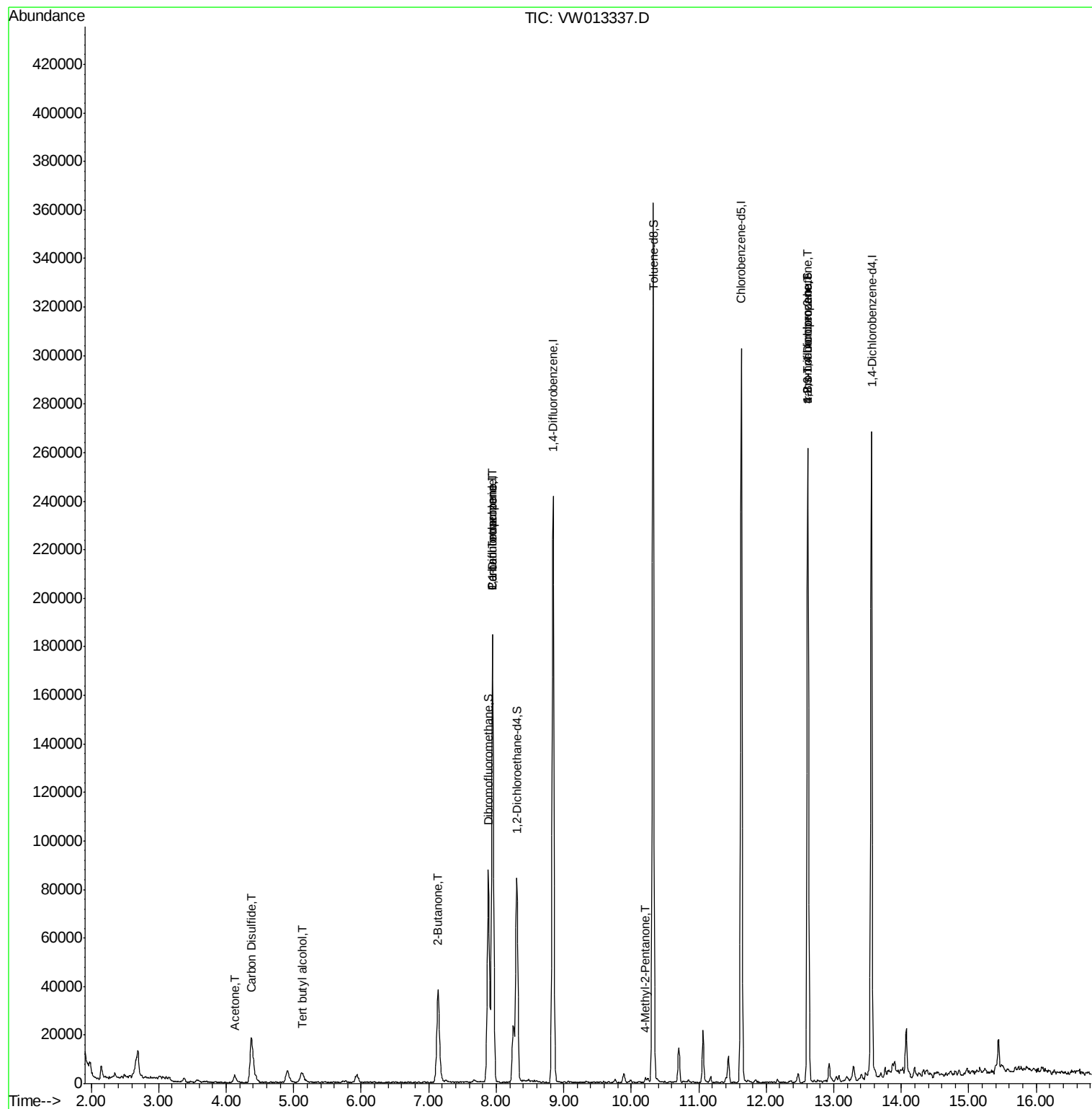
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	4567	43.584	ug/l #	74
16) Acetone	4.13	43	5243	19.031	ug/l	91
17) Carbon Disulfide	4.37	76	38501	9.576	ug/l	96
20) Methylene Chloride	4.90	84	3673	Below Cal	#	86
25) 2-Butanone	7.13	43	2861	6.918	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	2894	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	9849	4.815	ug/l #	47
38) Carbon Tetrachloride	7.94	117	12939	7.057	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1642	1.966	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	35806	51.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35806	116.113	ug/l #	12

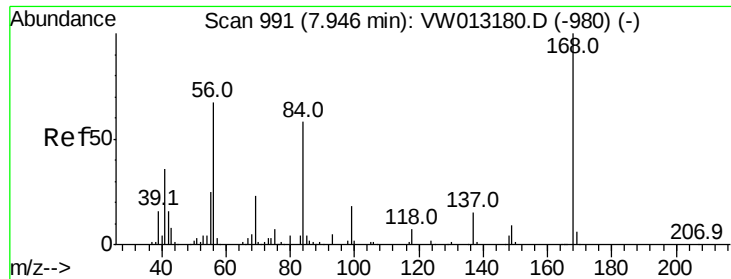
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

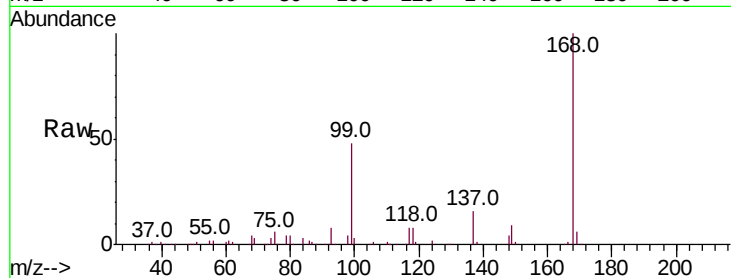
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 149690

Ion Ratio Lower Upper

168 100

99 48.5 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

80000

60000

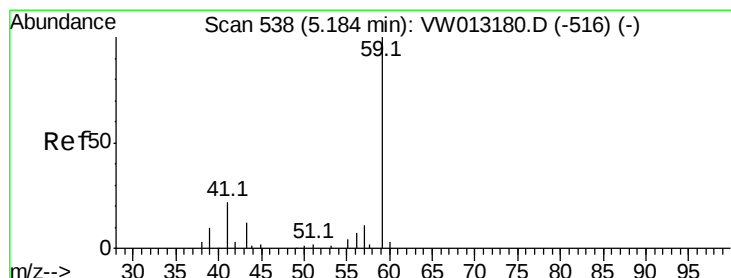
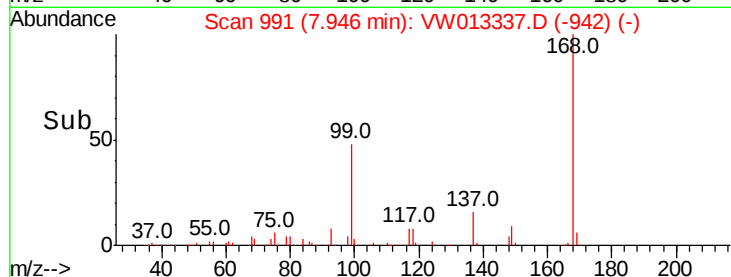
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 43.584 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: VW013337.D

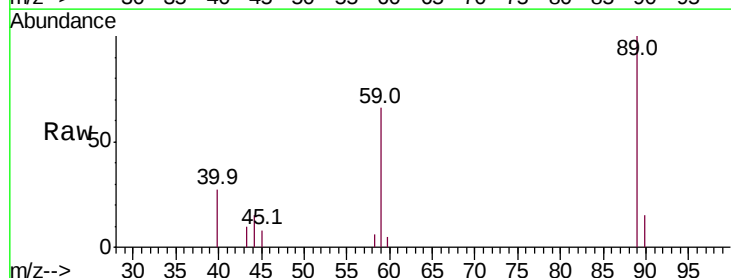
Acq: 30 Sep 2019 17:01

Tgt Ion: 59 Resp: 4567

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

5.14

1200

1000

800

600

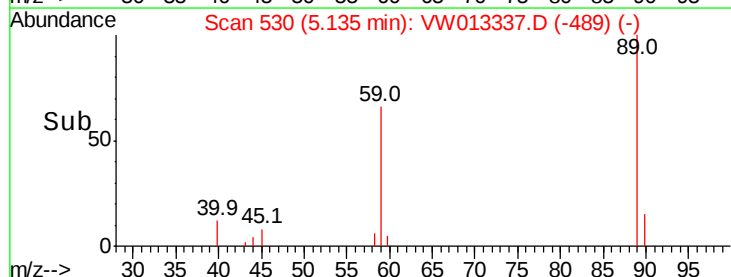
400

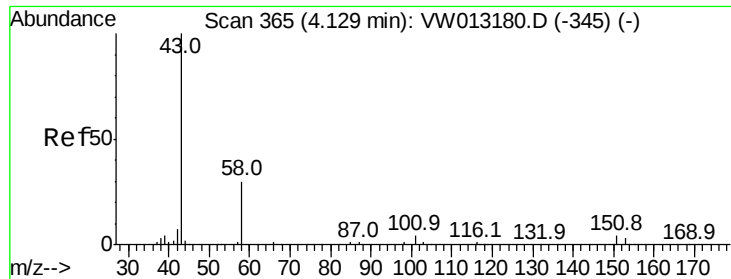
200

0

5.00 5.10 5.20

Time-->





#16

Acetone

Concen: 19.031 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

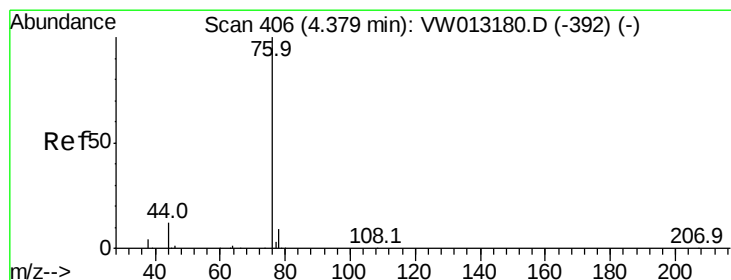
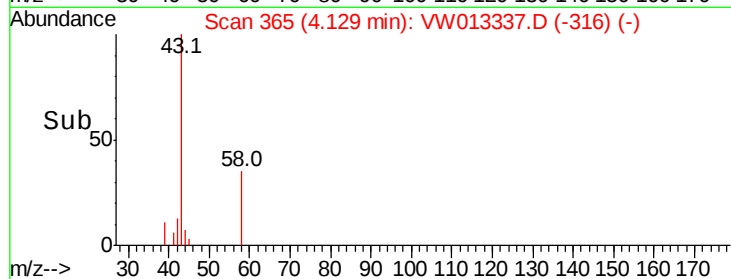
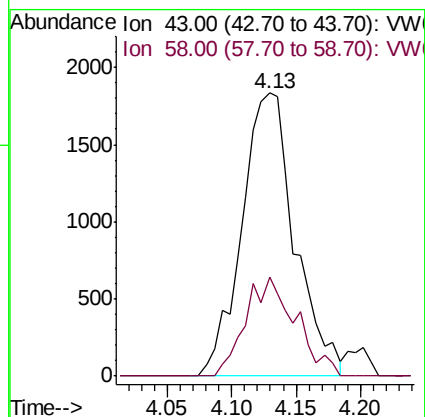
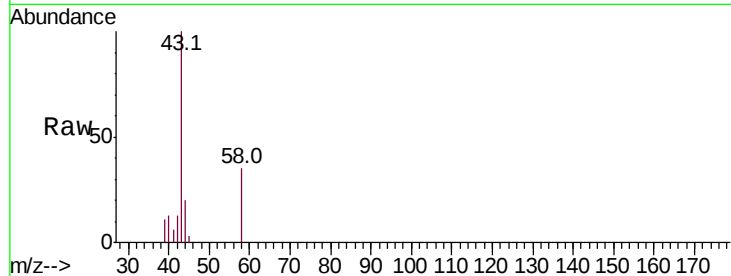
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 5243

Ion Ratio Lower Upper

43 100

58 35.0 24.1 36.1



#17

Carbon Disulfide

Concen: 9.576 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013337.D

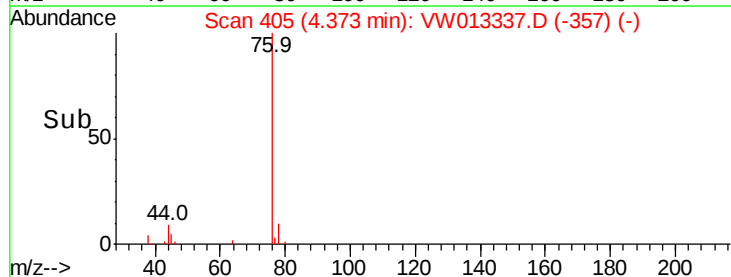
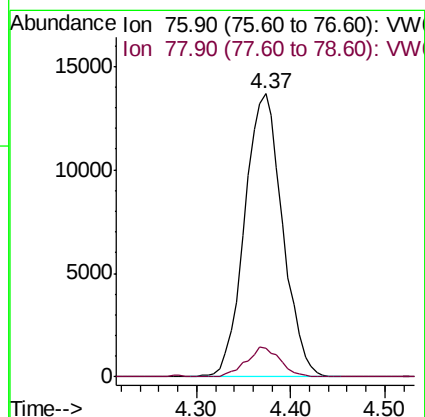
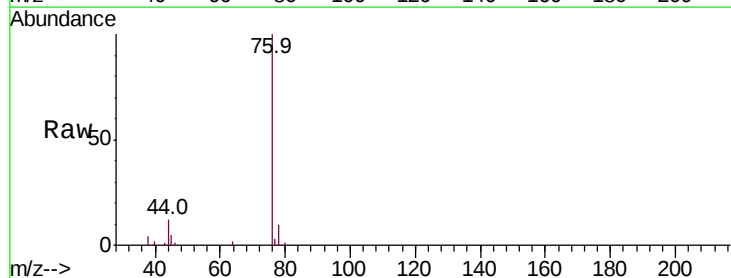
Acq: 30 Sep 2019 17:01

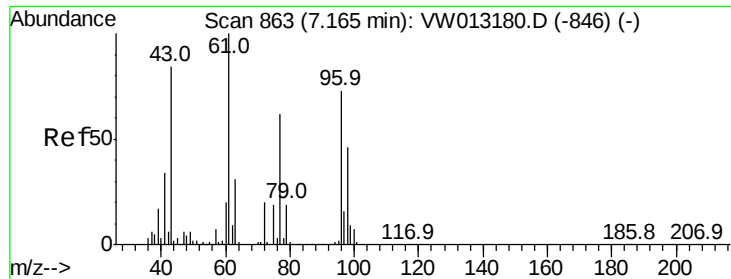
Tgt Ion: 76 Resp: 38501

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.4





#25

2-Butanone

Concen: 6.918 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

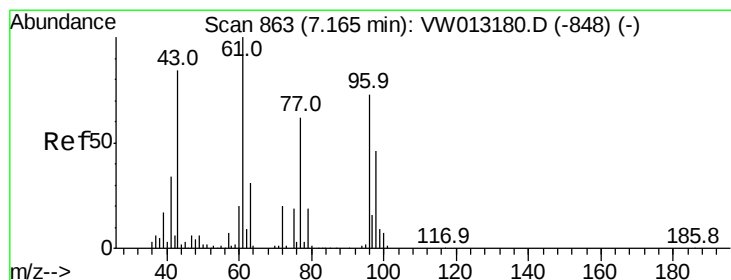
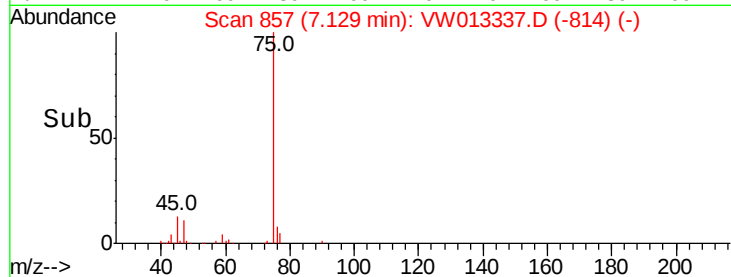
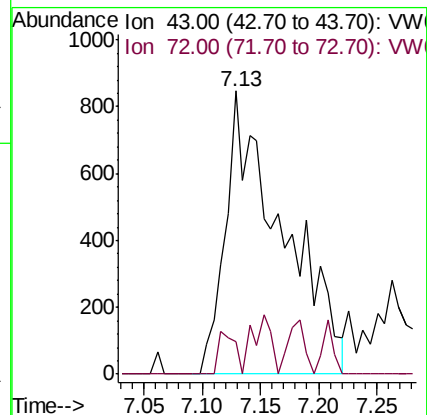
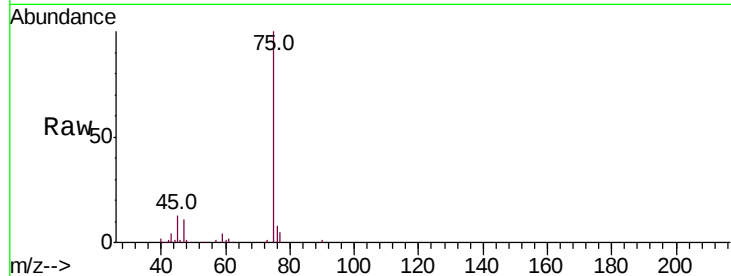
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2861

Ion Ratio Lower Upper

43 100

72 11.7 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: VW013337.D

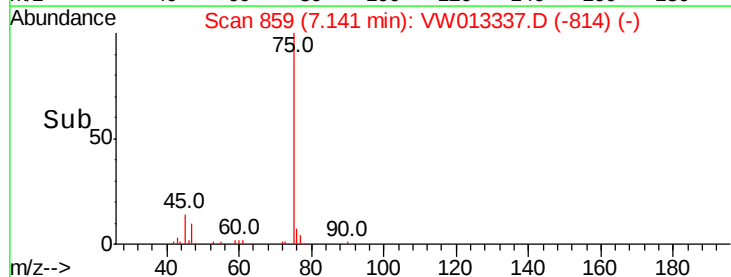
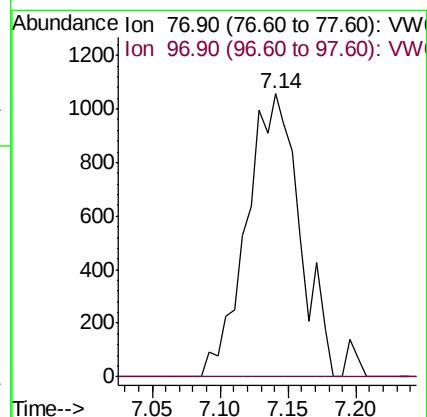
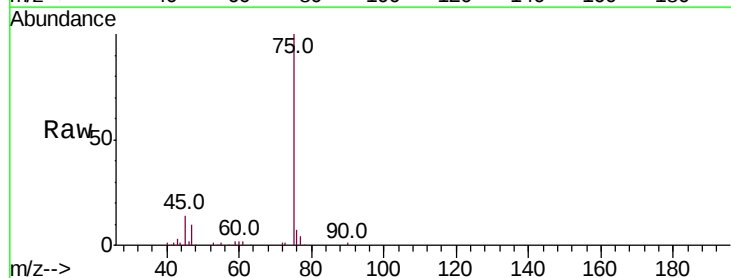
Acq: 30 Sep 2019 17:01

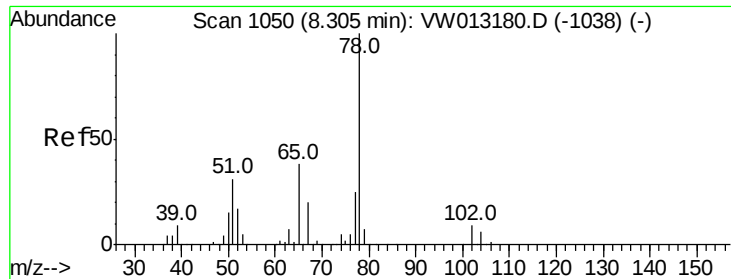
Tgt Ion: 77 Resp: 2894

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#33

1,2-Dichloroethane-d4

Concen: 53.880 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_W

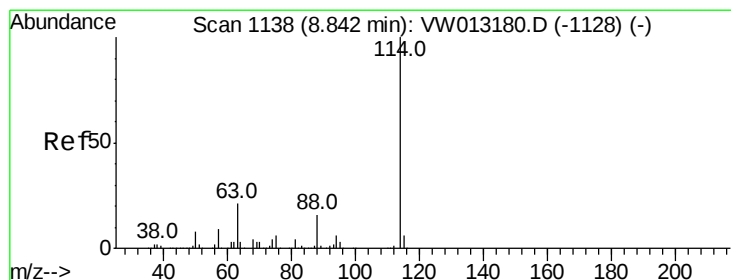
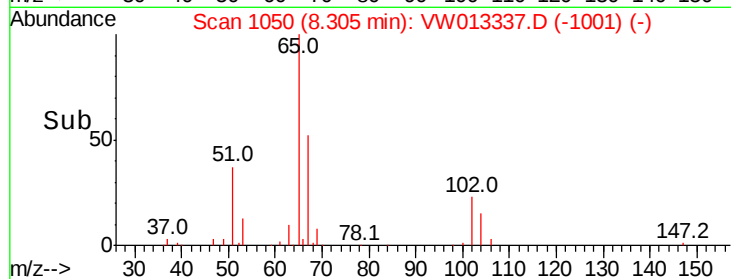
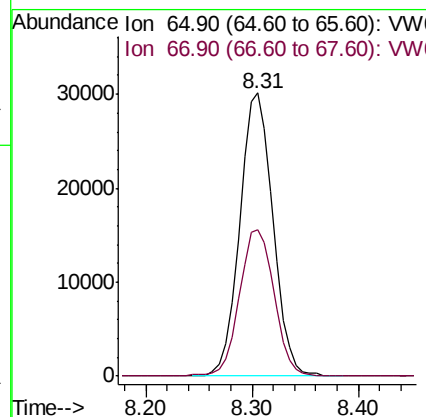
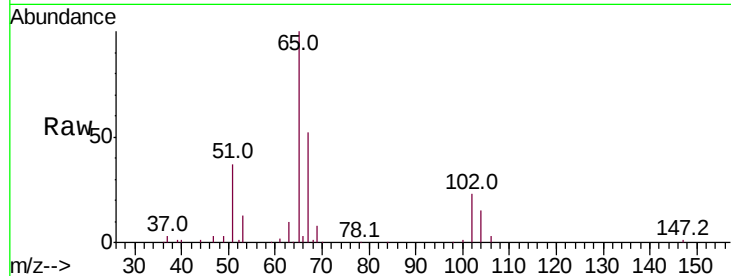
ClientSampleId :

Tot Ion: 65 Resp: 65825

Ion Ratio Lower Upper

65 100

67 54.5 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: VW013337.D

Acq: 30 Sep 2019 17:01

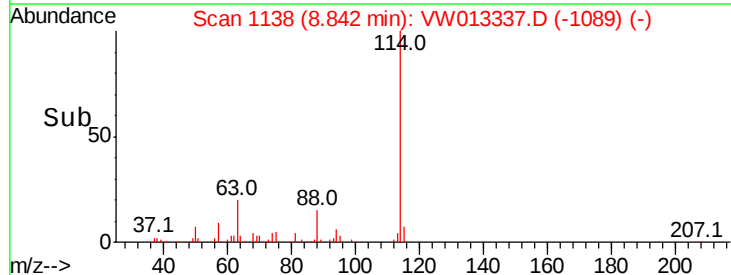
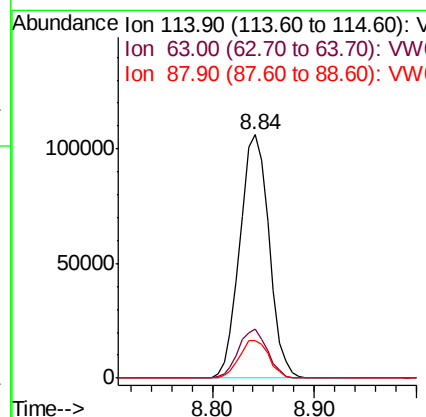
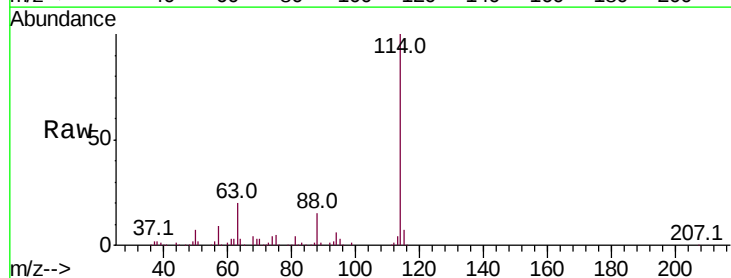
Tgt Ion: 114 Resp: 211181

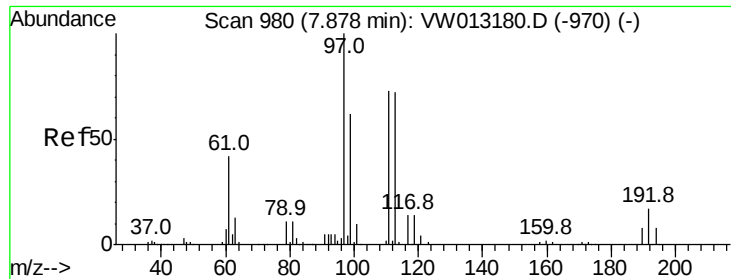
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

88 15.4 0.0 32.0

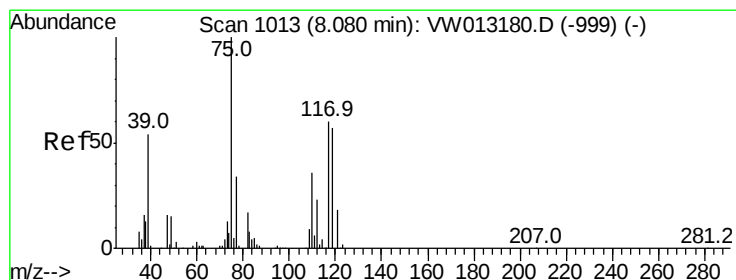
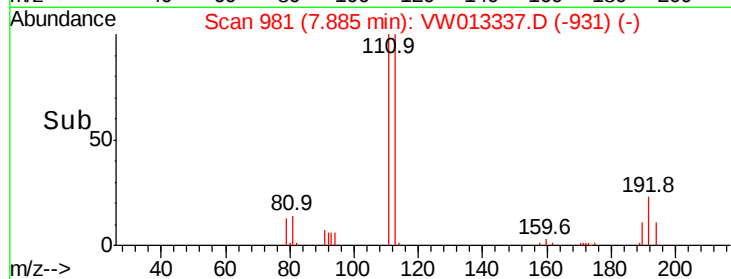
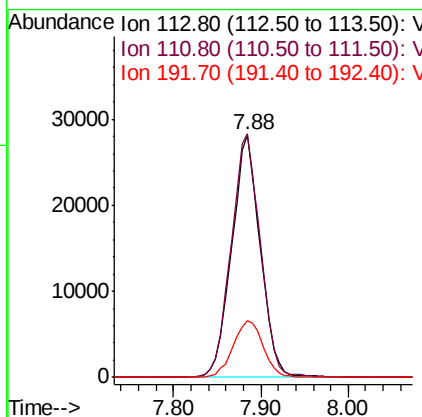
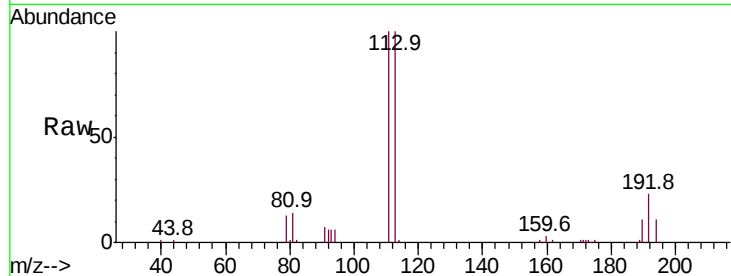




#35
 Dibromofluoromethane
 Concen: 54.999 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013337.D
 Acq: 30 Sep 2019 17:01

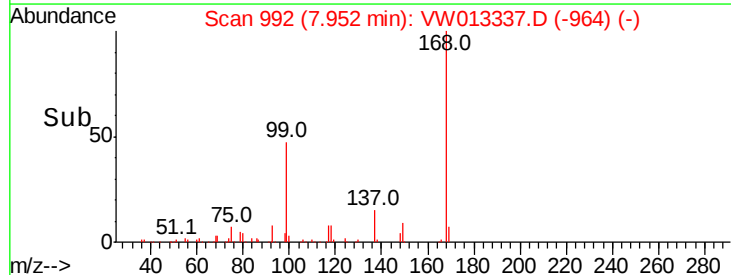
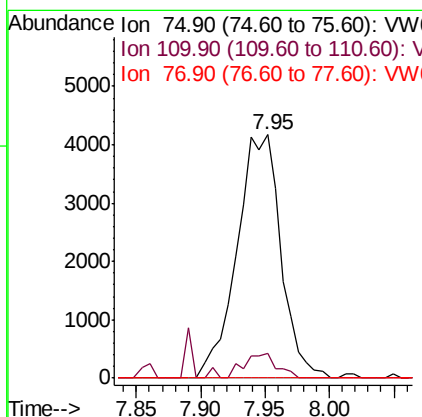
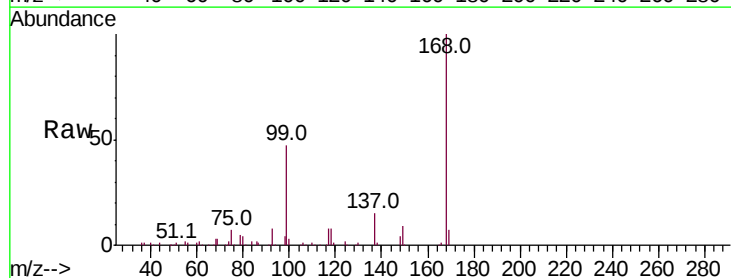
Instrument :
 MSVOA_W
 ClientSampleId :

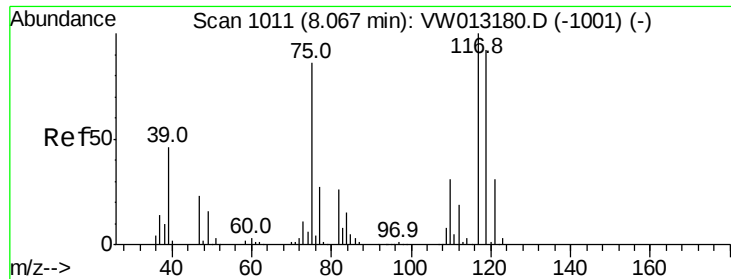
Tot Ion:113 Resp: 63881
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 24.4 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013337.D
 Acq: 30 Sep 2019 17:01

Tgt Ion: 75 Resp: 9849
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.1 54.3#
 77 0.0 25.8 38.6#

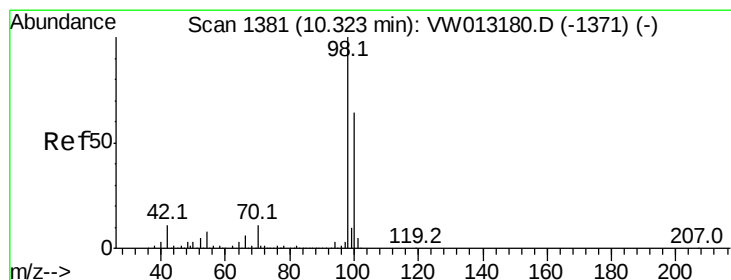
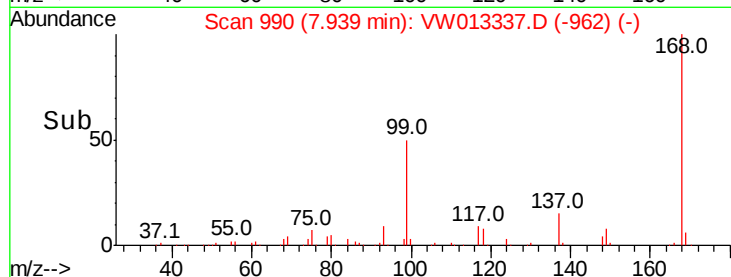
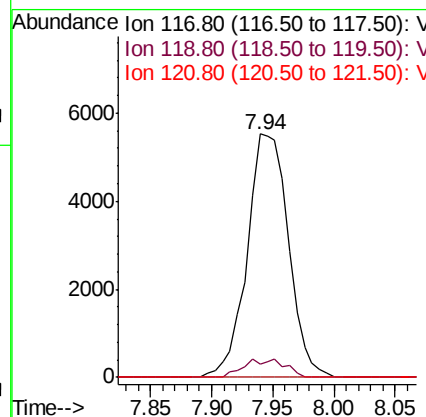
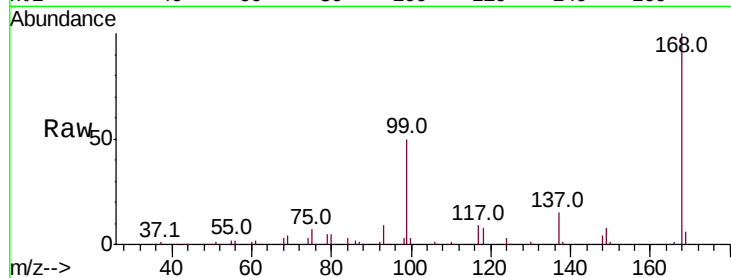




#38
Carbon Tetrachloride
Concen: 7.057 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013337.D
Acq: 30 Sep 2019 17:01

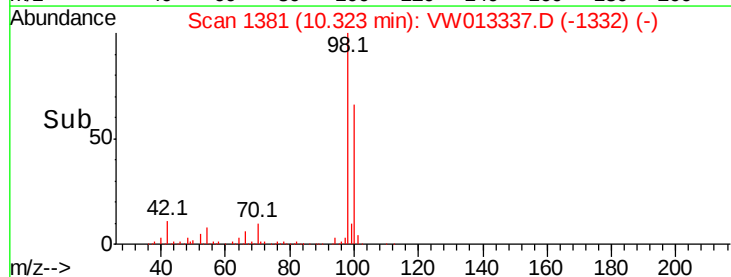
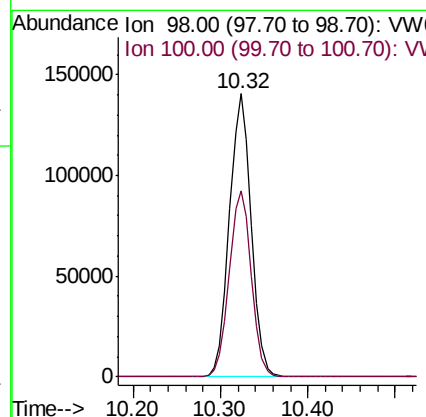
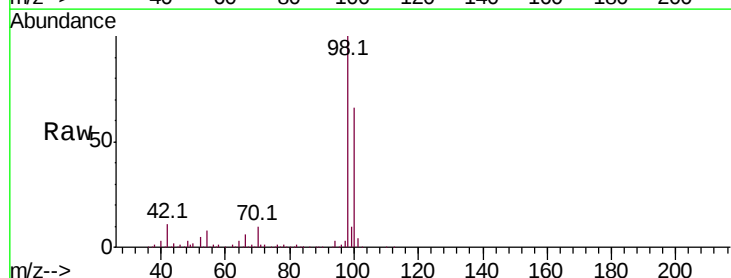
Instrument :
MSVOA_W
ClientSampleId :

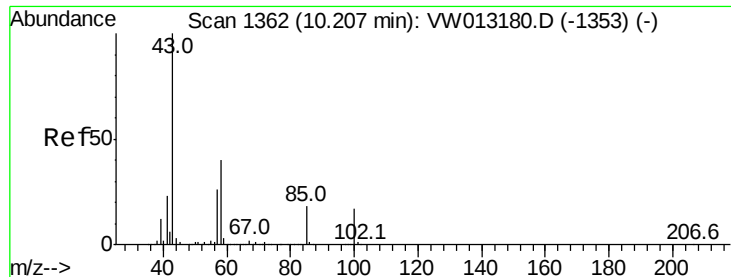
Tot Ion:117 Resp: 12939
Ion Ratio Lower Upper
117 100
119 5.2 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013337.D
Acq: 30 Sep 2019 17:01

Tgt Ion: 98 Resp: 242704
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.966 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

Instrument :

MSVOA_W

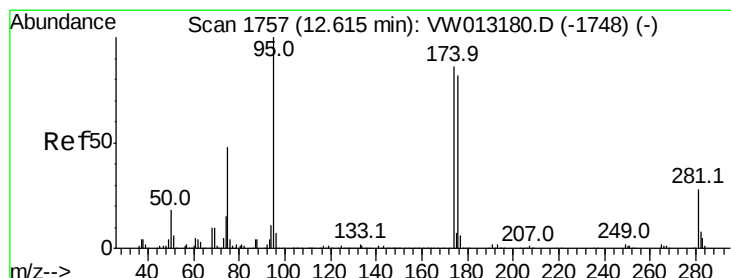
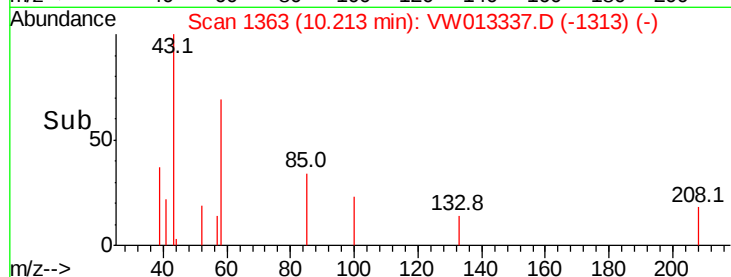
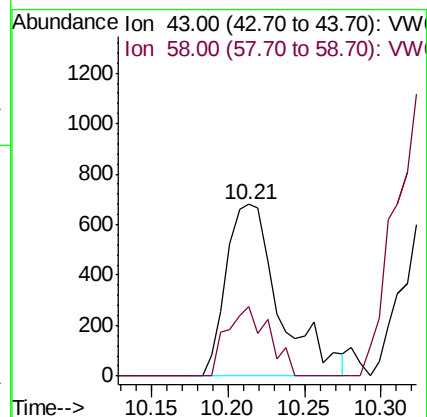
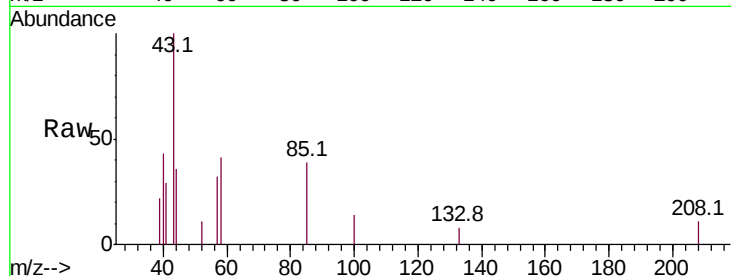
ClientSampled :

Tot Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

58 32.2 31.7 47.5



#62

4-Bromofluorobenzene

Concen: 45.949 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013337.D

Acq: 30 Sep 2019 17:01

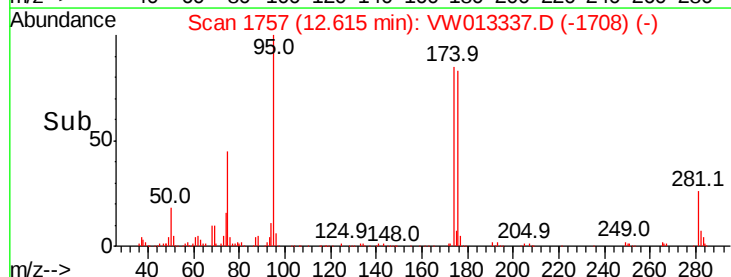
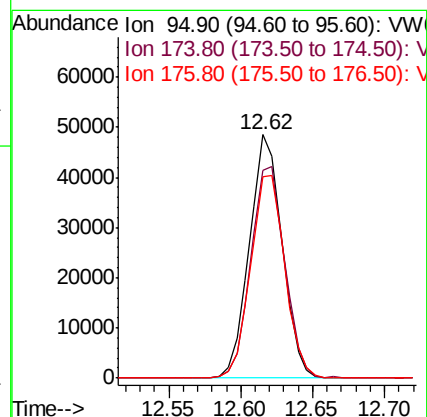
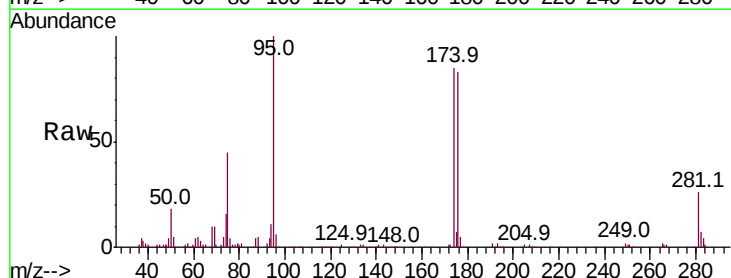
Tgt Ion: 95 Resp: 76297

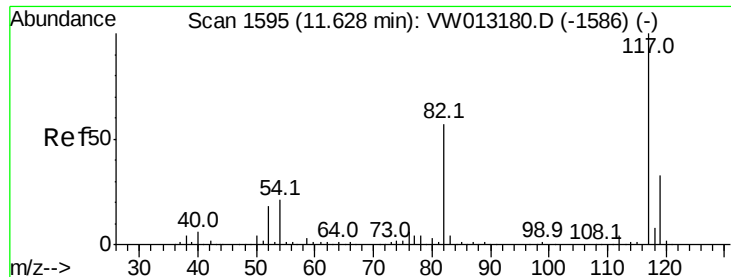
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.4

176 86.6 0.0 172.2

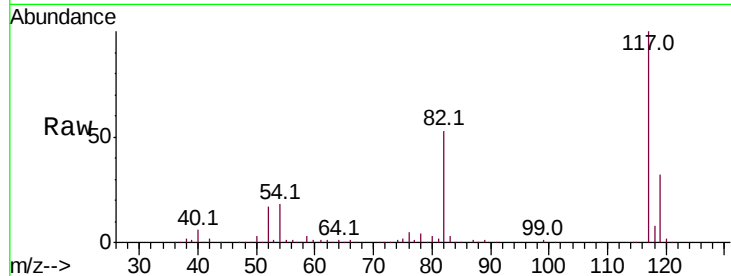




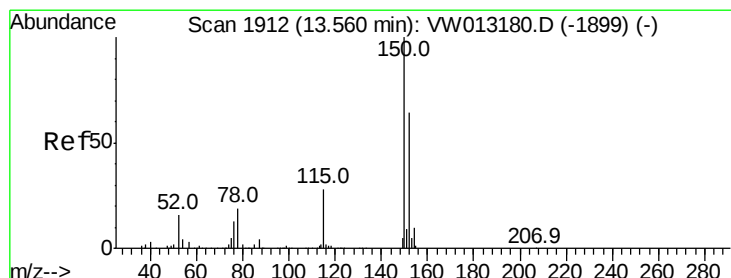
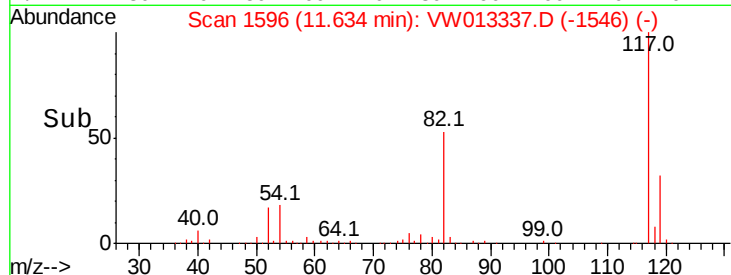
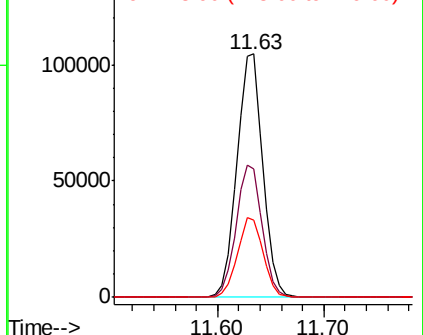
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013337.D
Acq: 30 Sep 2019 17:01

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 179298
Ion Ratio Lower Upper
117 100
82 52.5 45.9 68.9
119 32.0 26.2 39.2

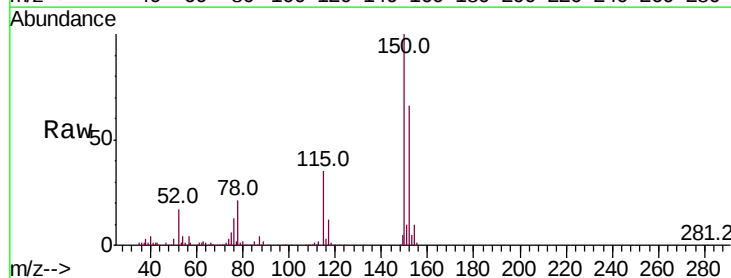


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

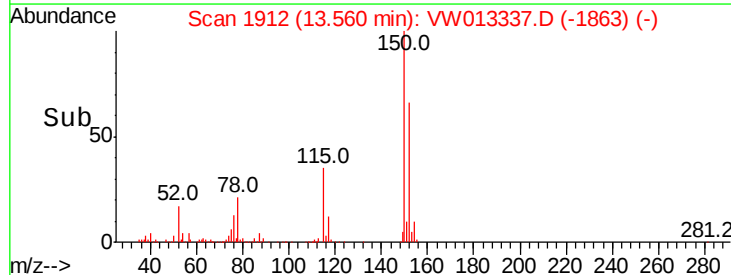
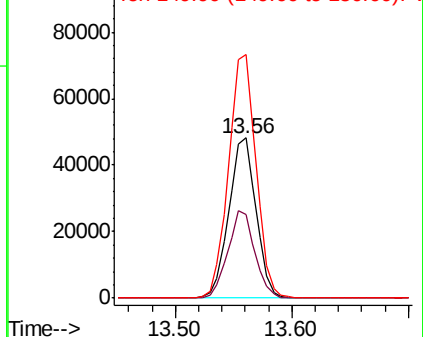


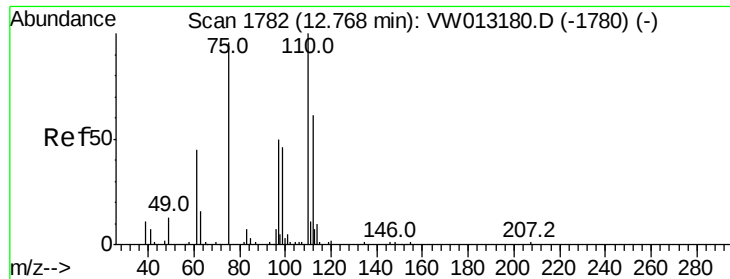
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013337.D
Acq: 30 Sep 2019 17:01

Tgt Ion:152 Resp: 78353
Ion Ratio Lower Upper
152 100
115 53.8 27.3 81.9
150 153.1 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

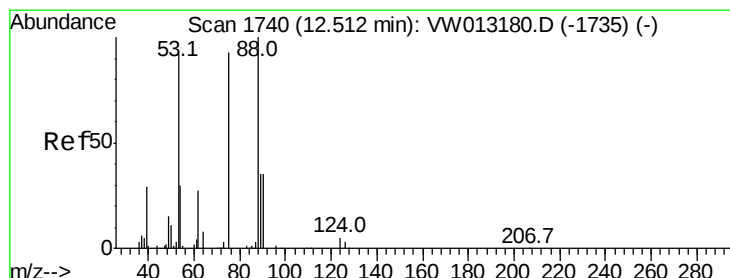
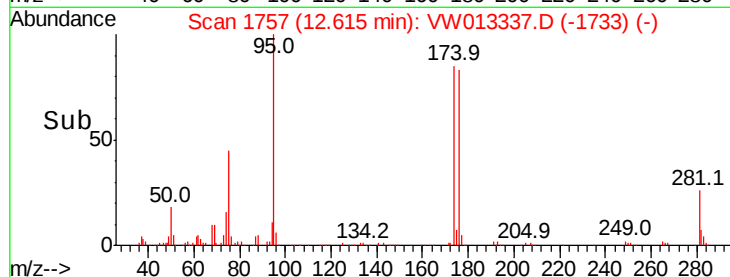
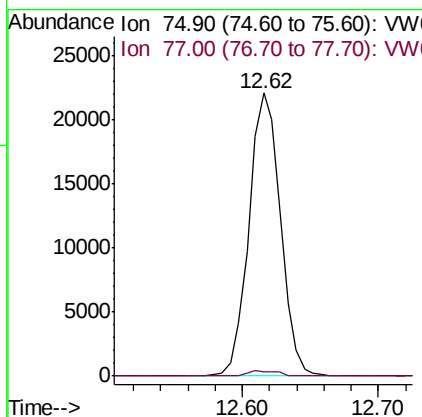
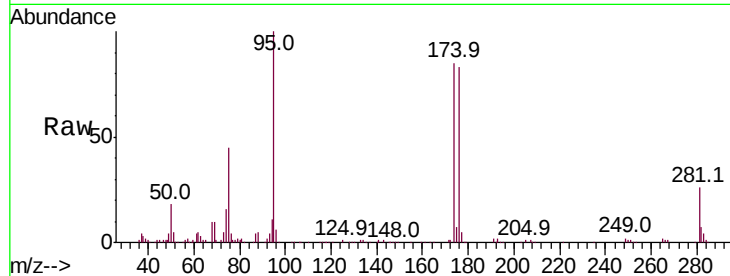




#76
 1,2,3-Trichloropropane
 Concen: 51.746 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013337.D
 Acq: 30 Sep 2019 17:01

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 35806
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.113 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013337.D
 Acq: 30 Sep 2019 17:01

Tgt Ion: 75 Resp: 35806
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.6 114.8#
 89 0.3 33.5 50.3#

