

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014533.D
 Acq On : 06 Jan 2020 19:25
 Operator : SY/VA
 Sample : K6476-02
 Misc : 7.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 07 08:48:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	679007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1138467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	988347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	461037	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	403325	67.94	ug/l	0.00
Spiked Amount			Recovery	=	135.88%	
35) Dibromofluoromethane	7.88	113	264746	40.69	ug/l	0.00
Spiked Amount			Recovery	=	81.38%	
50) Toluene-d8	10.32	98	1477259	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.62	95	543551	59.02	ug/l	0.00
Spiked Amount			Recovery	=	118.04%	

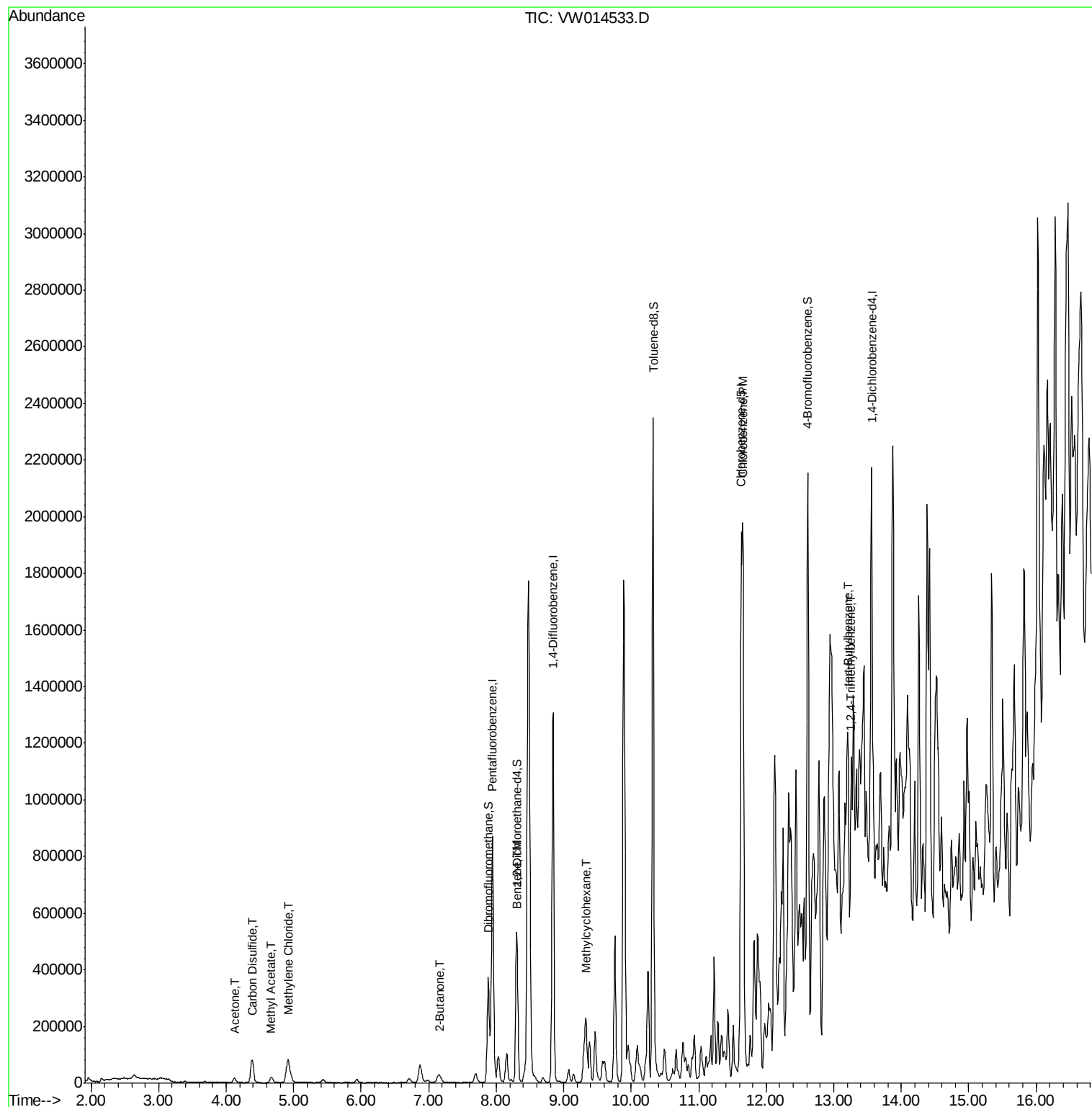
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	29157	17.394	ug/l	99
17) Carbon Disulfide	4.38	76	188706	9.266	ug/l	97
18) Methyl Acetate	4.67	43	40984	10.123	ug/l	93
20) Methylene Chloride	4.92	84	68384	6.121	ug/l	98
25) 2-Butanone	7.17	43	14103	6.556	ug/l #	82
39) Methylcyclohexane	9.33	83	55204	3.919	ug/l #	60
40) Benzene	8.32	78	33784	1.088	ug/l	98
65) Chlorobenzene	11.66	112	961404	47.481	ug/l	97
83) tert-Butylbenzene	13.21	119	60607	2.437	ug/l	89
84) 1,2,4-Trimethylbenzene	13.25	105	32753	1.159	ug/l	94

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

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
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: VW014533.D

Acq: 06 Jan 2020 19:25

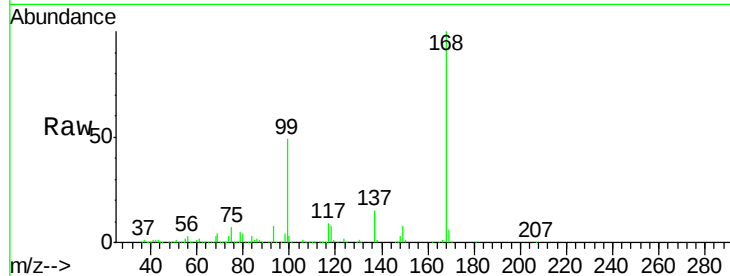
Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:168 Resp: 679007

Ion Ratio Lower Upper

168 100

99 49.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

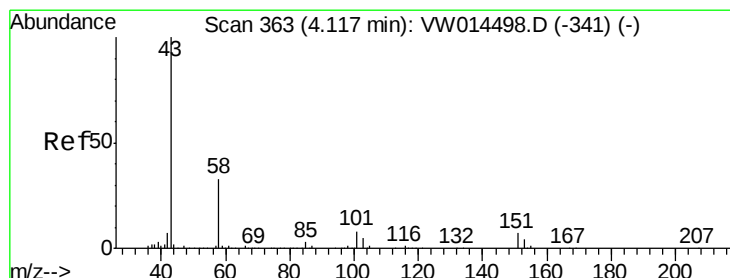
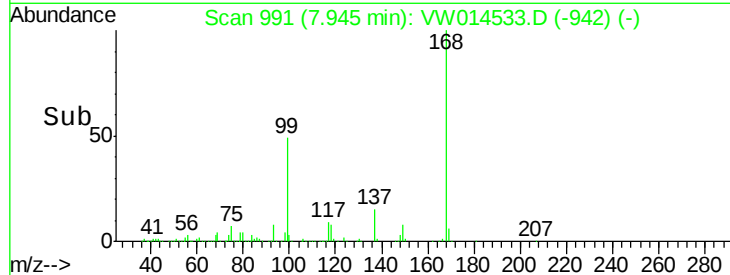
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 17.394 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014533.D

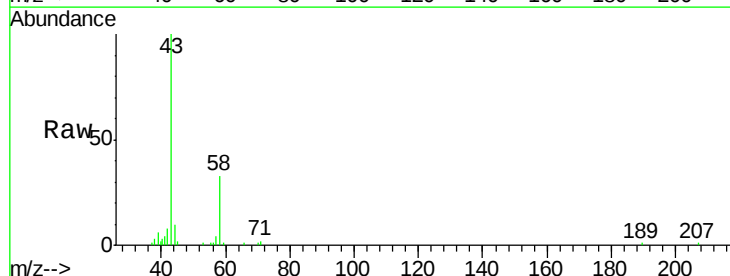
Acq: 06 Jan 2020 19:25

Tgt Ion: 43 Resp: 29157

Ion Ratio Lower Upper

43 100

58 32.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

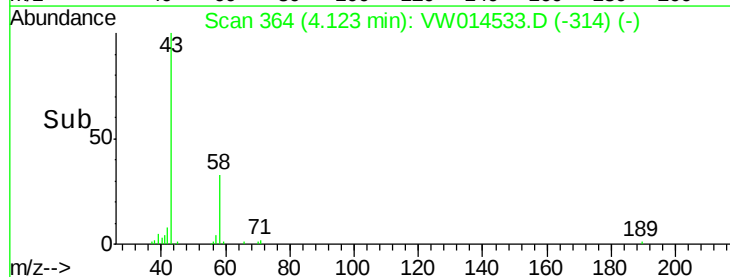
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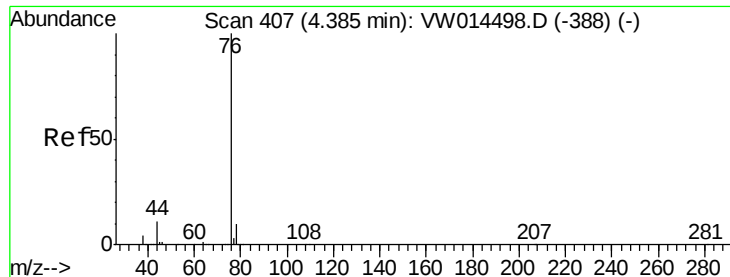
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2000

0

Time-->

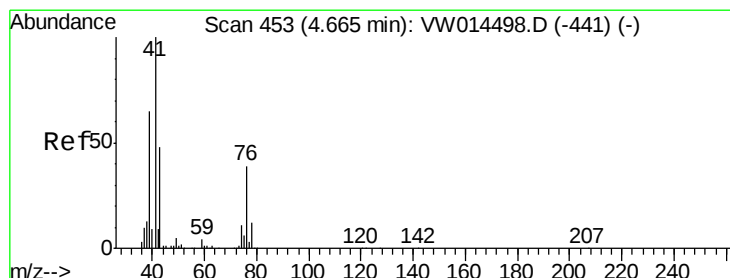
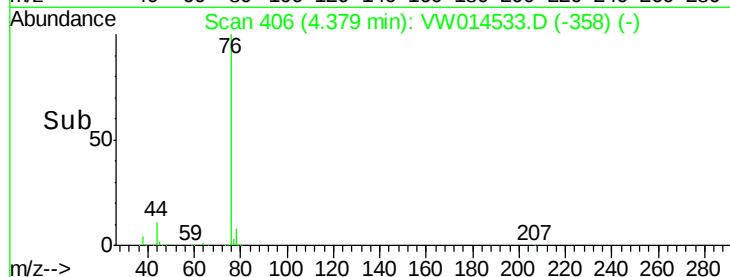
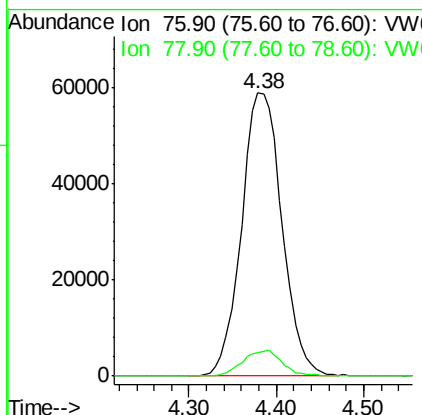
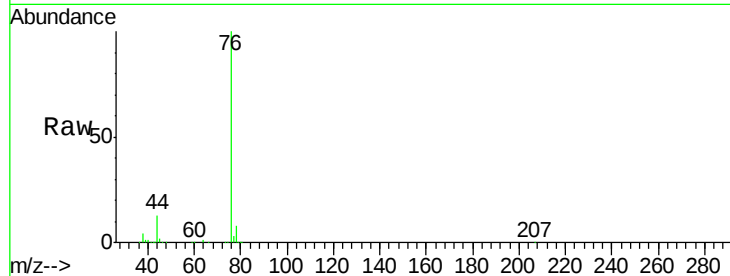




#17
Carbon Disulfide
Concen: 9.266 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014533.D
Acq: 06 Jan 2020 19:25

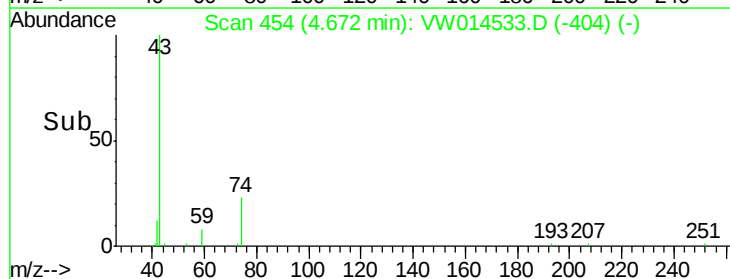
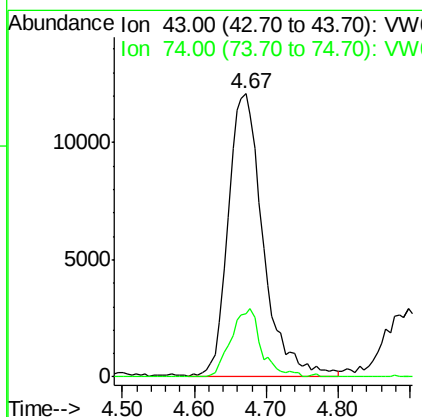
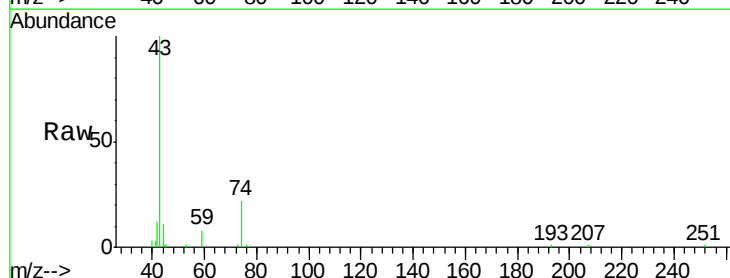
Instrument :
MSVOA_W
ClientSampleId :

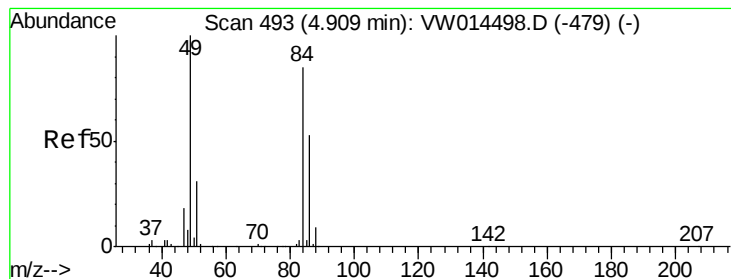
Tgt Ion: 76 Resp: 188706
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.6



#18
Methyl Acetate
Concen: 10.123 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014533.D
Acq: 06 Jan 2020 19:25

Tgt Ion: 43 Resp: 40984
Ion Ratio Lower Upper
43 100
74 20.9 19.3 28.9





#20

Methylene Chloride

Concen: 6.121 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 84 Resp: 68384

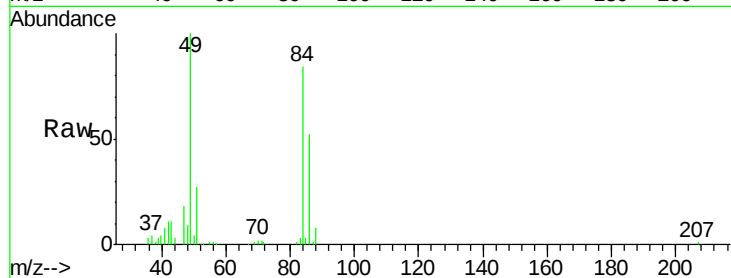
Ion Ratio Lower Upper

84 100

49 119.7 94.4 141.6

51 32.8 29.5 44.3

86 62.7 50.2 75.2

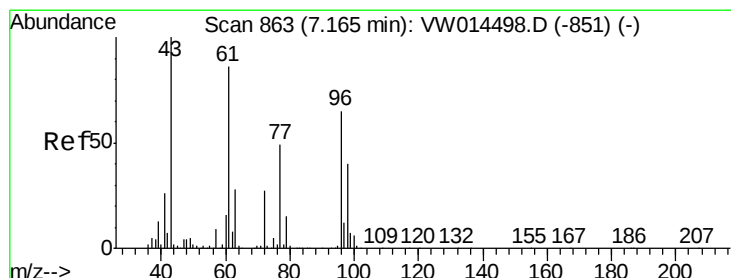
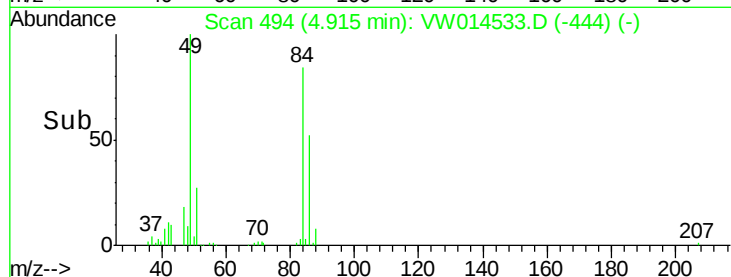
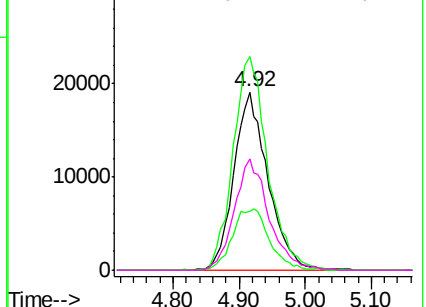


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 6.556 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014533.D

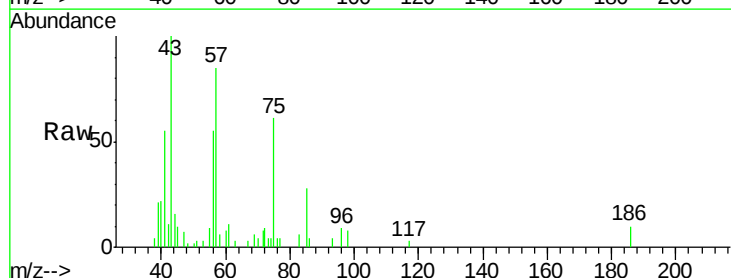
Acq: 06 Jan 2020 19:25

Tgt Ion: 43 Resp: 14103

Ion Ratio Lower Upper

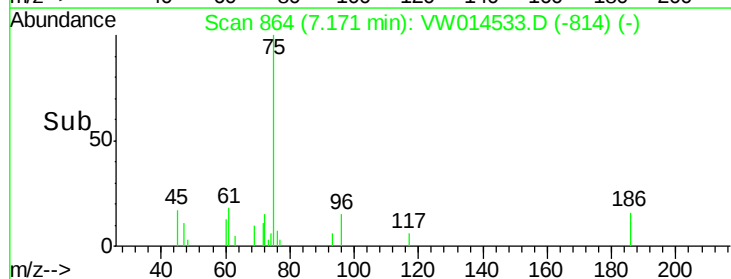
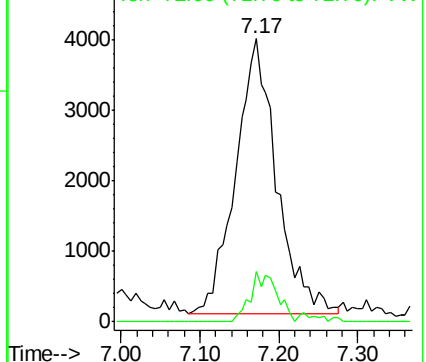
43 100

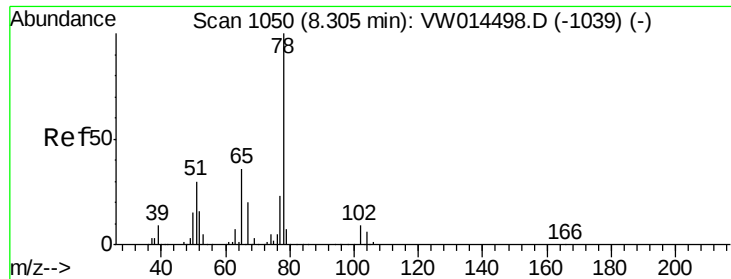
72 18.2 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 67.938 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

Instrument :

MSVOA_W

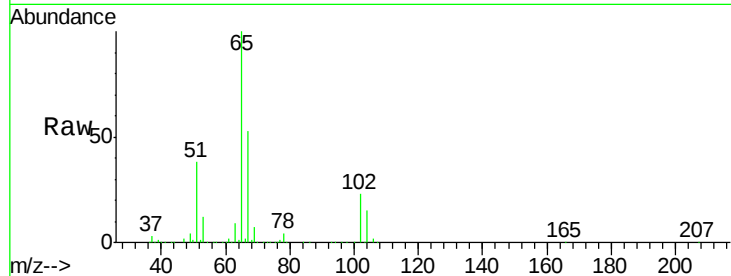
ClientSampleId :

Tgt Ion: 65 Resp: 403325

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

200000

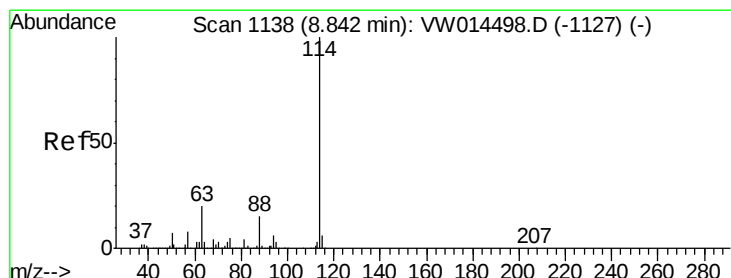
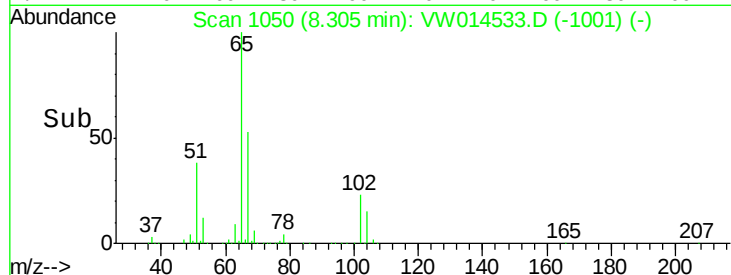
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

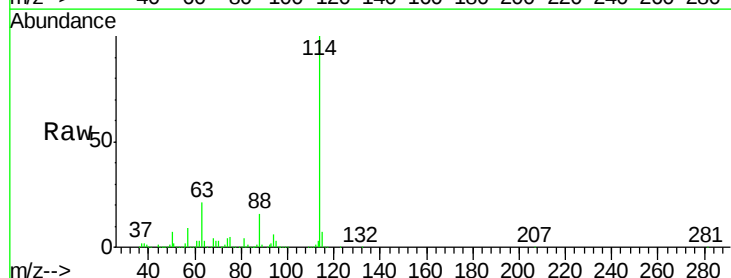
Tgt Ion: 114 Resp: 1138467

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 15.7 0.0 30.6



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

8.84

800000

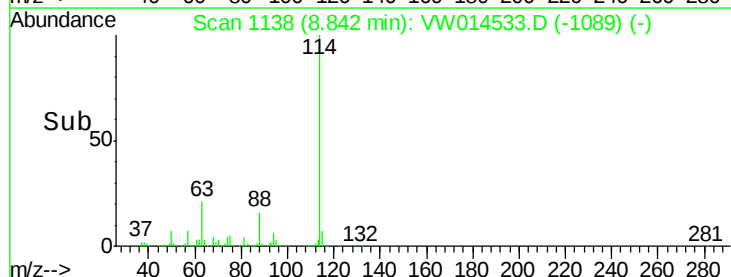
600000

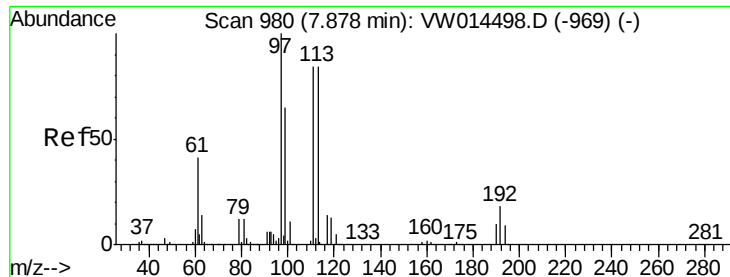
400000

200000

0

Time-->

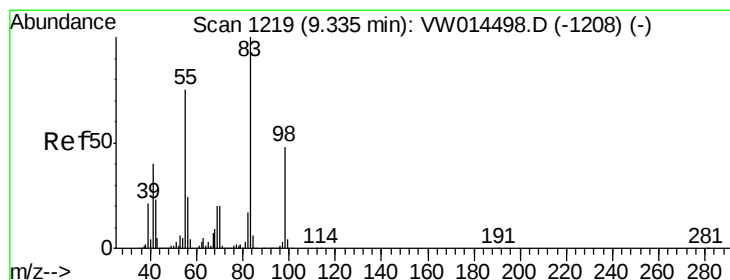
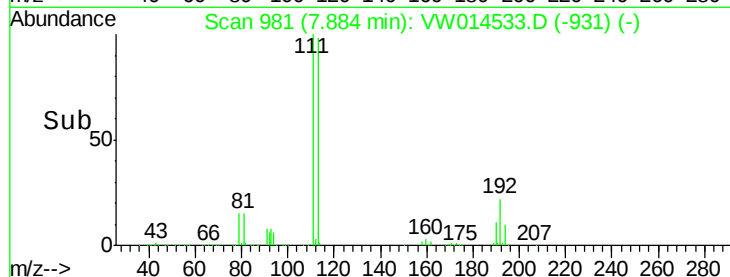
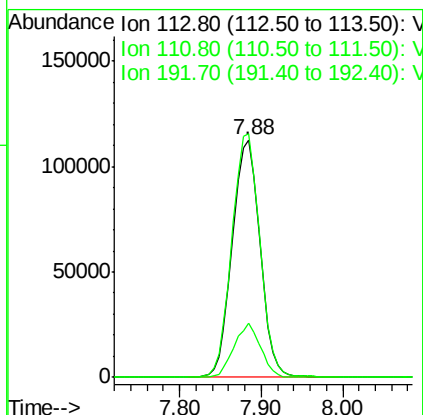
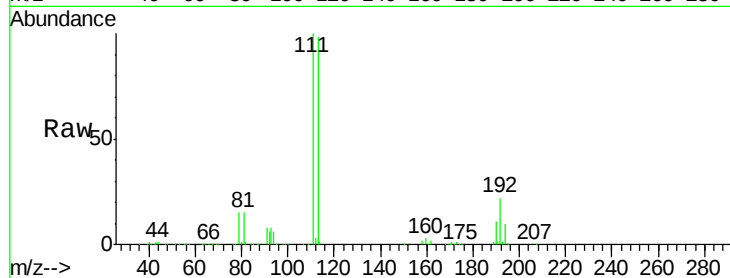




#35
 Dibromofluoromethane
 Concen: 40.689 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014533.D
 Acq: 06 Jan 2020 19:25

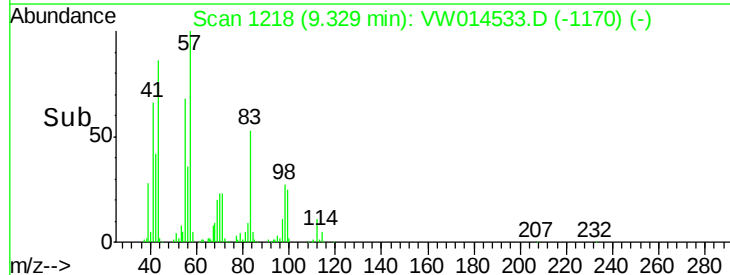
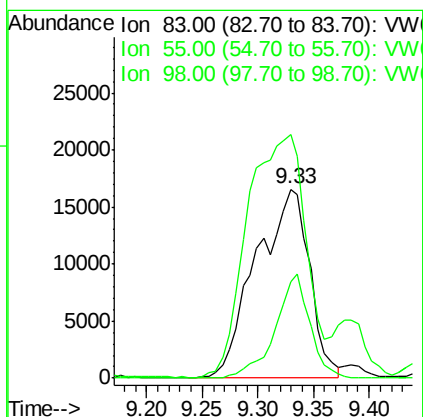
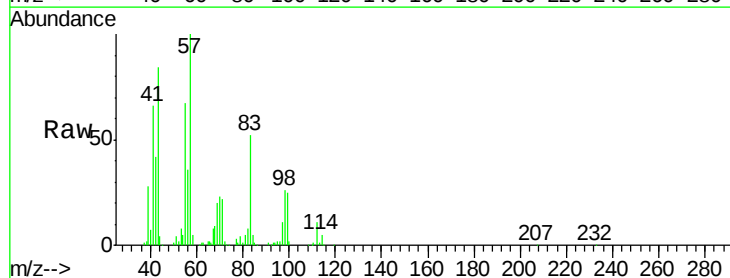
Instrument :
 MSVOA_W
 ClientSampled :

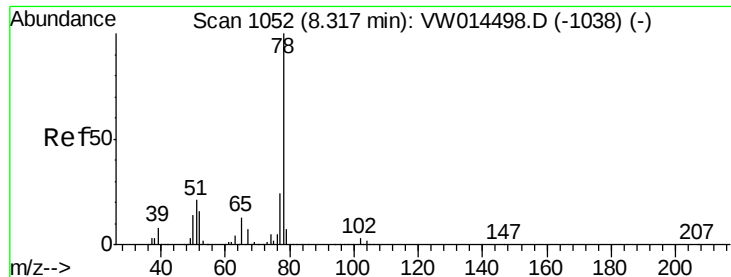
Tgt Ion: 113 Resp: 264746
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.4 122.2
 192 21.6 17.8 26.8



#39
 Methylcyclohexane
 Concen: 3.919 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014533.D
 Acq: 06 Jan 2020 19:25

Tgt Ion: 83 Resp: 55204
 Ion Ratio Lower Upper
 83 100
 55 128.9 60.1 90.1#
 98 50.9 38.8 58.2





#40

Benzene

Concen: 1.088 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

Instrument :

MSVOA_W

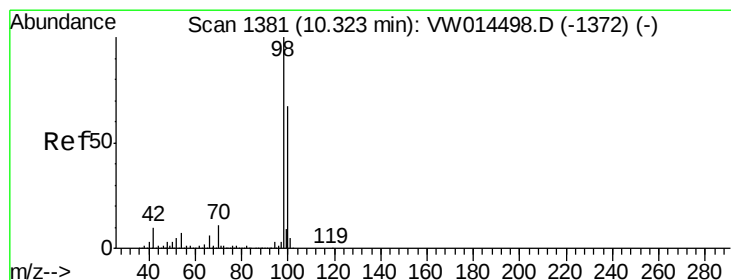
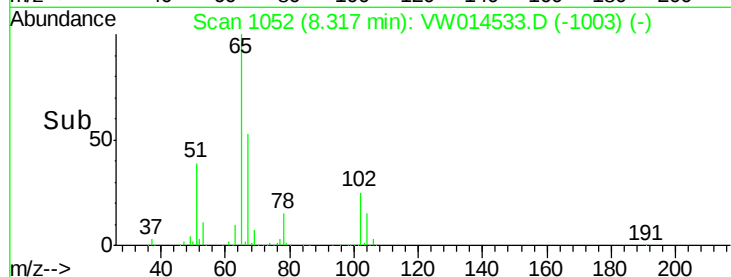
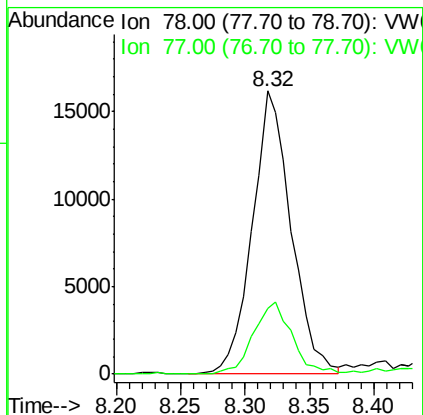
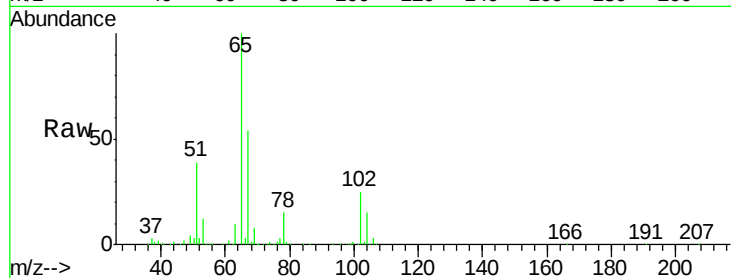
ClientSampleId :

Tgt Ion: 78 Resp: 33784

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9



#50

Toluene-d8

Concen: 54.404 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014533.D

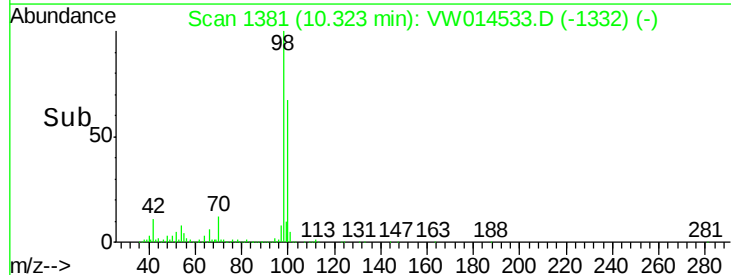
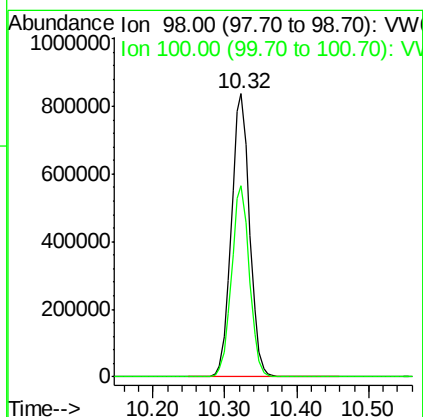
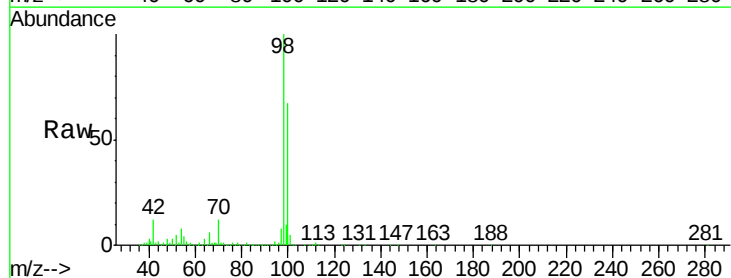
Acq: 06 Jan 2020 19:25

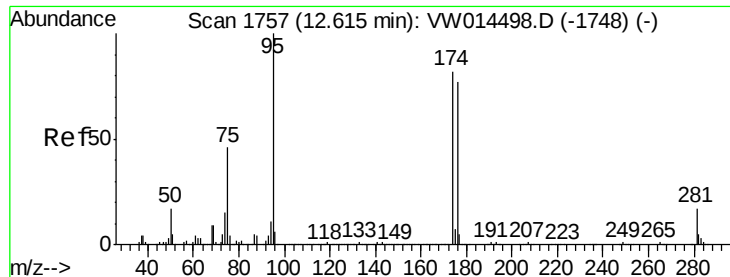
Tgt Ion: 98 Resp: 1477259

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 59.017 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

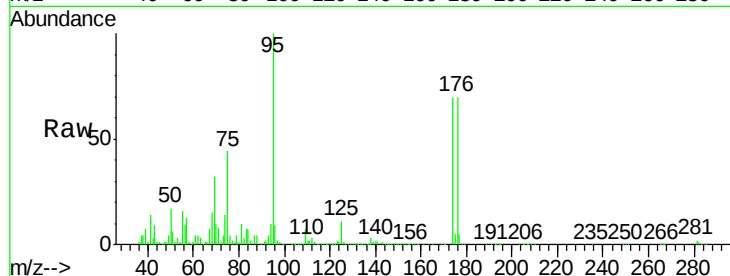
Tgt Ion: 95 Resp: 543551

Ion Ratio Lower Upper

95 100

174 74.4 0.0 168.6

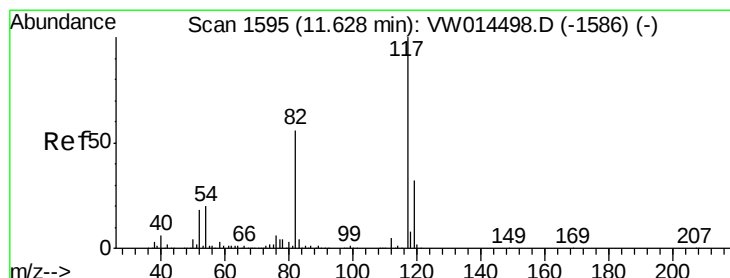
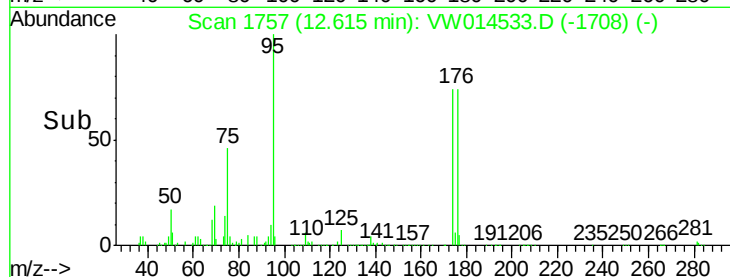
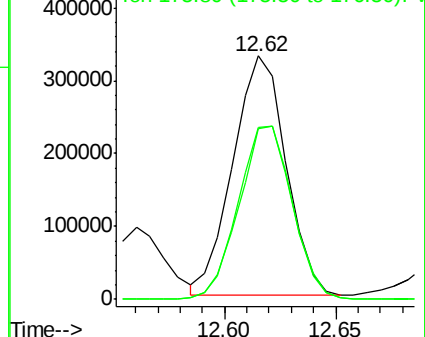
176 72.8 0.0 162.0



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. 0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

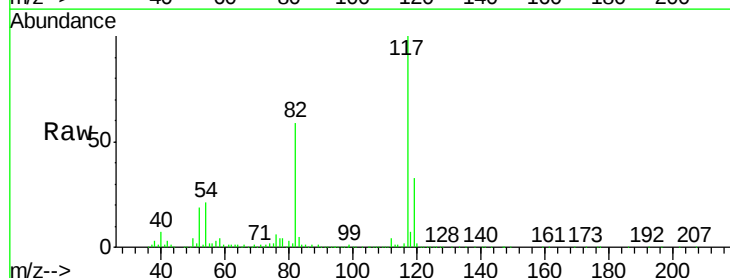
Tgt Ion: 117 Resp: 988347

Ion Ratio Lower Upper

117 100

82 58.7 44.6 67.0

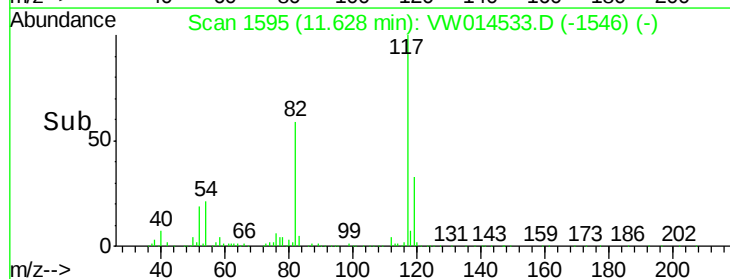
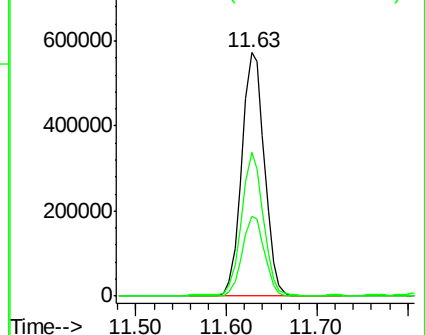
119 32.8 25.7 38.5

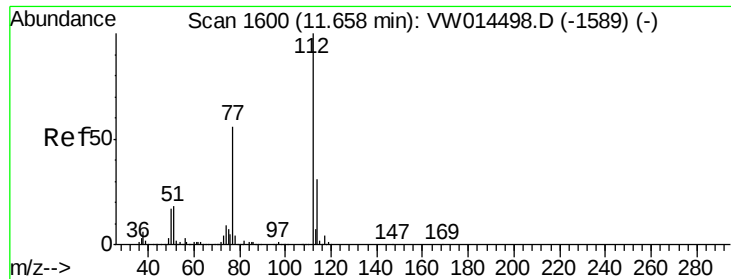


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

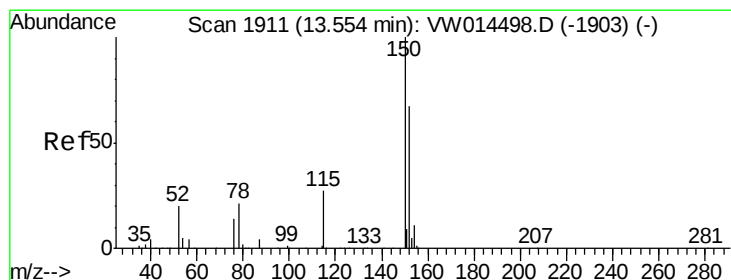
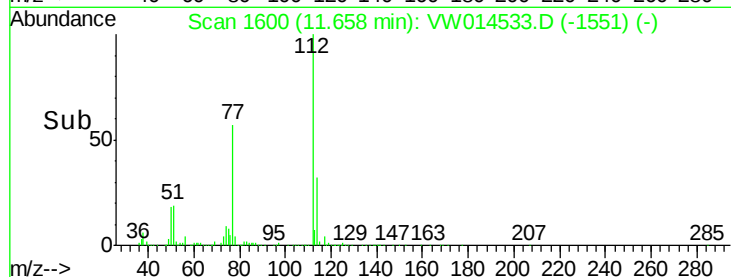
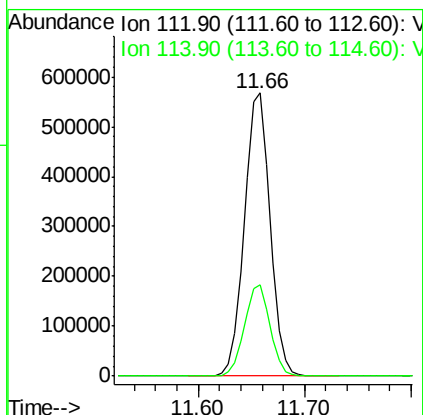
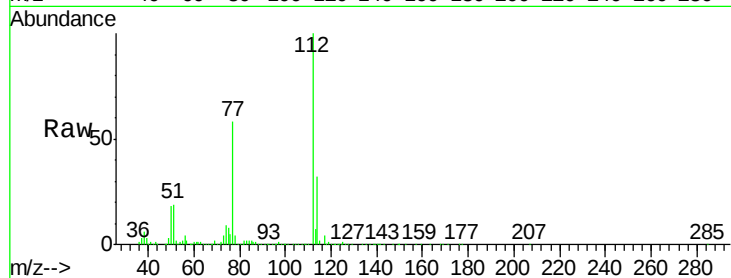




#65
Chlorobenzene
Concen: 47.481 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014533.D
Acq: 06 Jan 2020 19:25

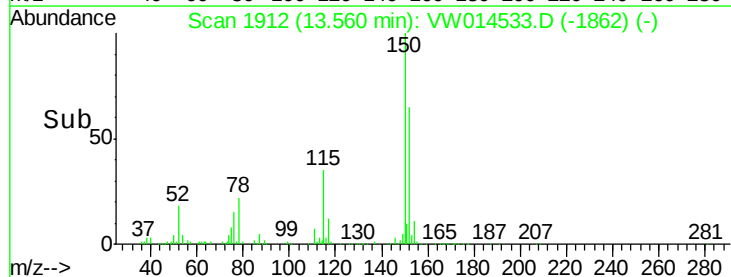
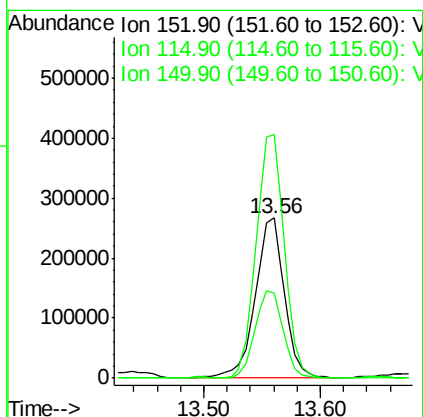
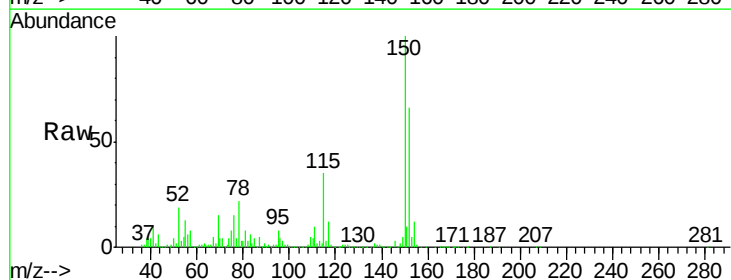
Instrument :
MSVOA_W
ClientSampled :

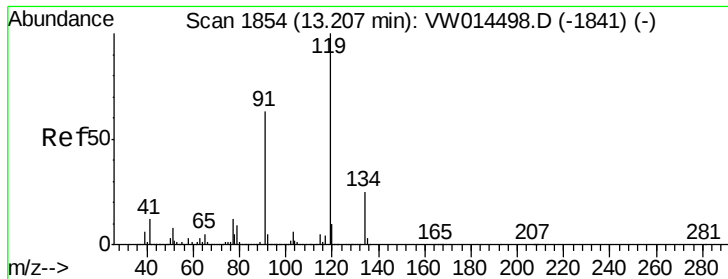
Tgt Ion:112 Resp: 961404
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW014533.D
Acq: 06 Jan 2020 19:25

Tgt Ion:152 Resp: 461037
Ion Ratio Lower Upper
152 100
115 52.9 27.7 83.1
150 148.6 0.0 343.4





#83

tert-Butylbenzene

Concen: 2.437 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW014533.D

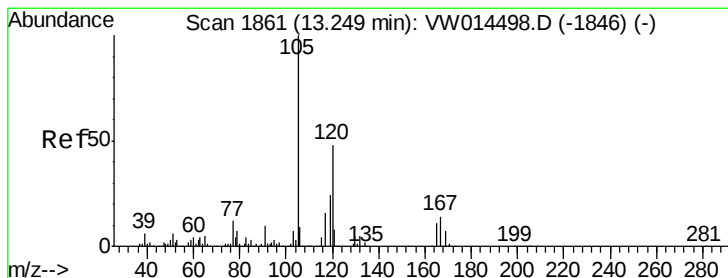
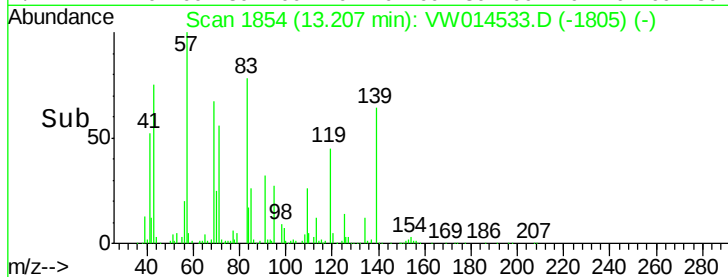
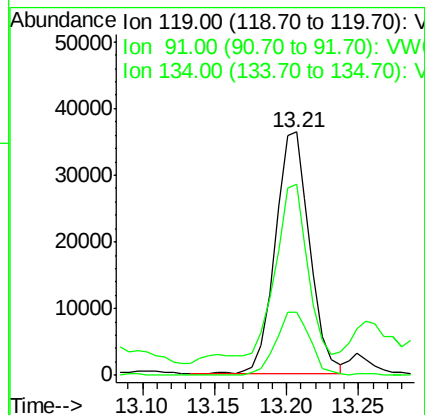
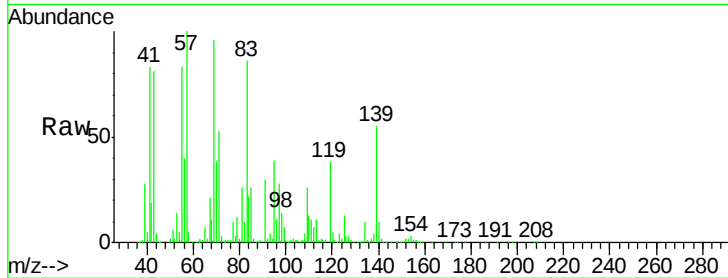
Acq: 06 Jan 2020 19:25

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	119	Resp:	60607
Ion	Ratio	Lower	Upper
119	100		
91	74.2	31.1	93.3
134	26.4	13.5	40.5



#84

1,2,4-Trimethylbenzene

Concen: 1.159 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014533.D

Acq: 06 Jan 2020 19:25

Tgt Ion:	105	Resp:	32753
Ion	Ratio	Lower	Upper
105	100		
120	42.5	23.4	70.0

