

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081420\
 Data File : VW016194.D
 Acq On : 14 Aug 2020 16:07
 Operator : SY/VA
 Sample : L3662-07
 Misc : 8.51G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 24051

Quant Time: Aug 17 08:45:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91194	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	95885	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	7.88	113	97341	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.32	98	383972	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	121034	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

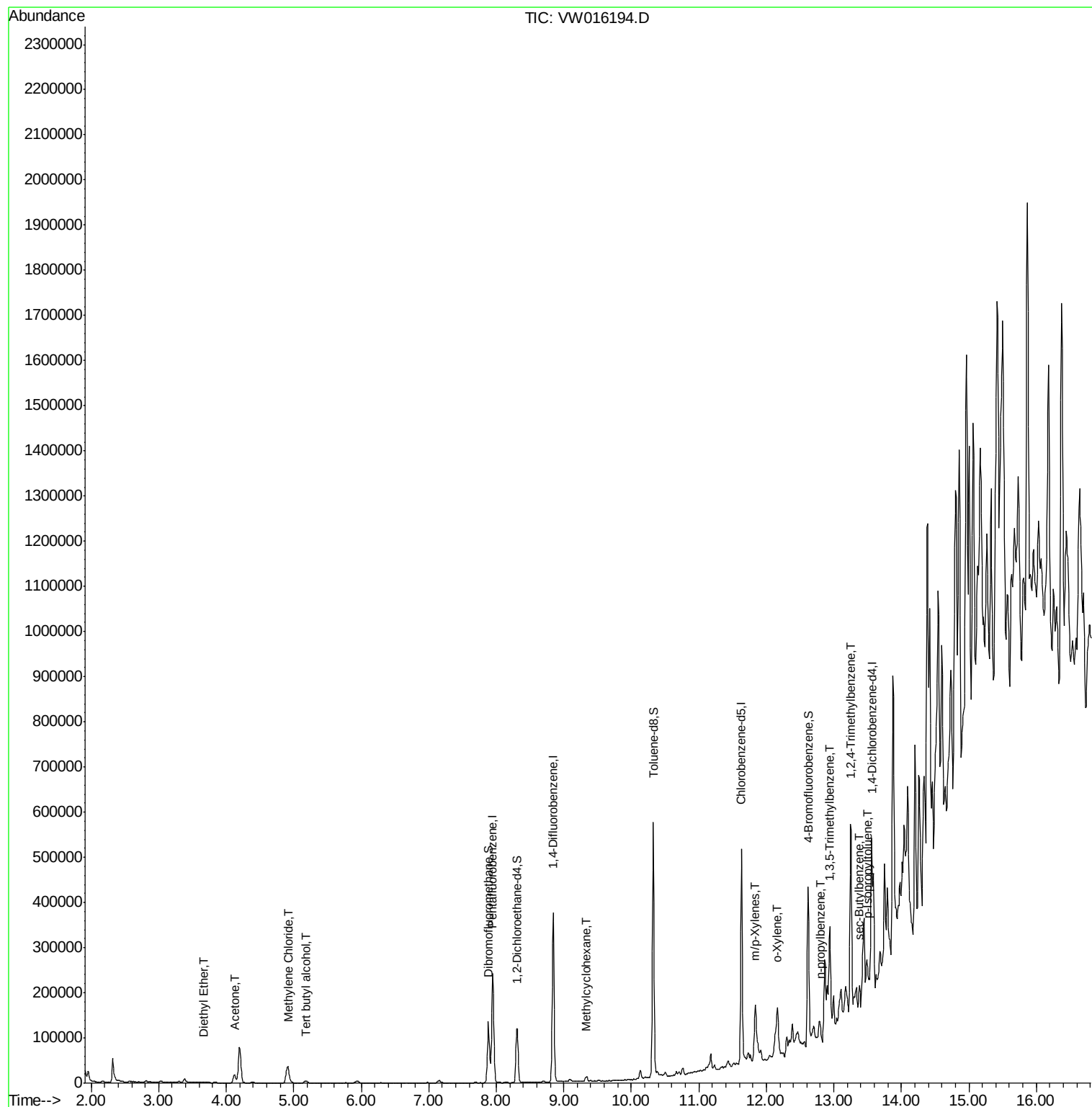
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	997	1.074	ug/l	74
11) Tert butyl alcohol	5.18	59	8397	89.696	ug/l #	83
16) Acetone	4.12	43	32548	96.590	ug/l	97
20) Methylene Chloride	4.91	84	30281	10.569	ug/l	96
39) Methylcyclohexane	9.34	83	4464	1.164	ug/l	91
68) m/p-Xylenes	11.83	106	35416	9.090	ug/l	99
69) o-Xylene	12.16	106	23702	6.829	ug/l	97
78) n-propylbenzene	12.80	91	18983	2.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	59980	10.055	ug/l	89
84) 1,2,4-Trimethylbenzene	13.25	105	248868	42.159	ug/l	98
85) sec-Butylbenzene	13.38	105	19025	2.677	ug/l #	66
86) p-Isopropyltoluene	13.50	119	25468	3.963	ug/l	94

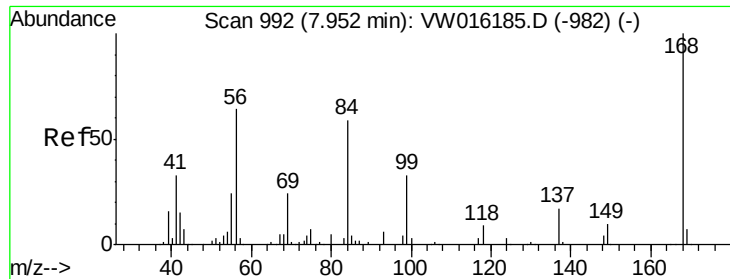
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081420\
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Quant Time: Aug 17 08:45:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

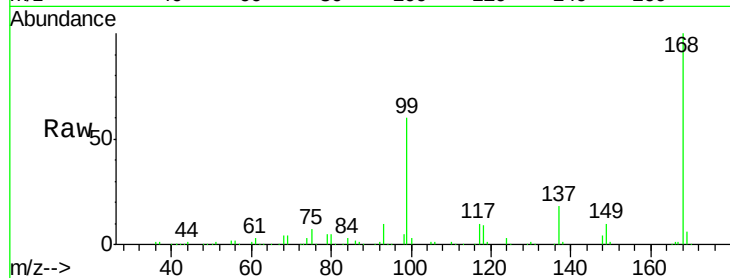
24051

Tot Ion:168 Resp: 180374

Ion Ratio Lower Upper

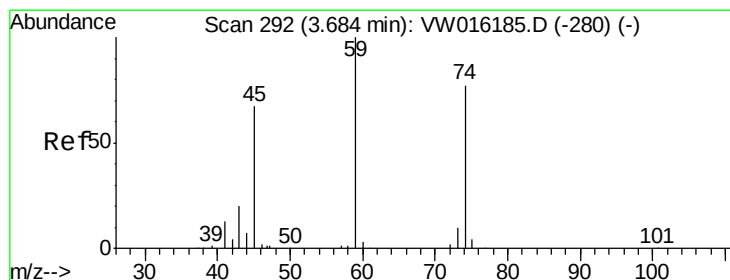
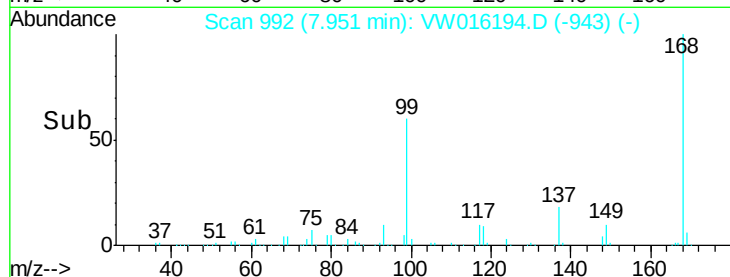
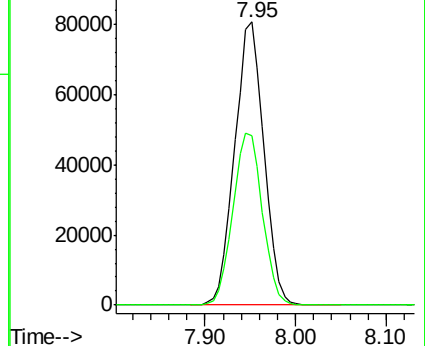
168 100

99 60.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.074 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW016194.D

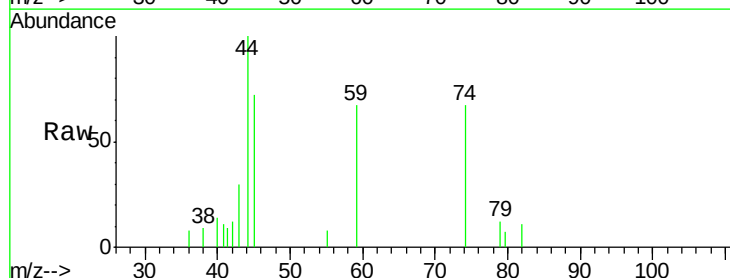
Acq: 14 Aug 2020 16:07

Tgt Ion: 74 Resp: 997

Ion Ratio Lower Upper

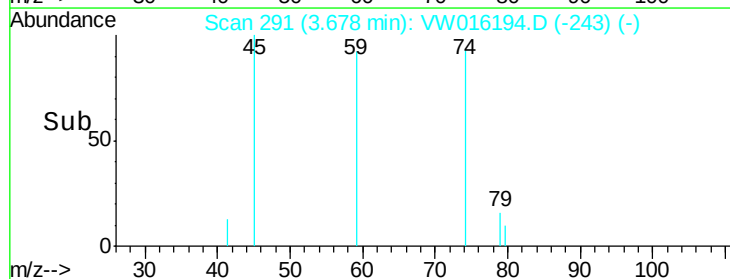
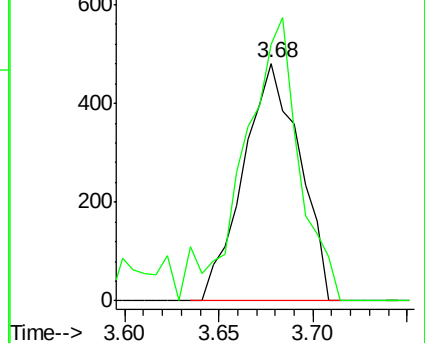
74 100

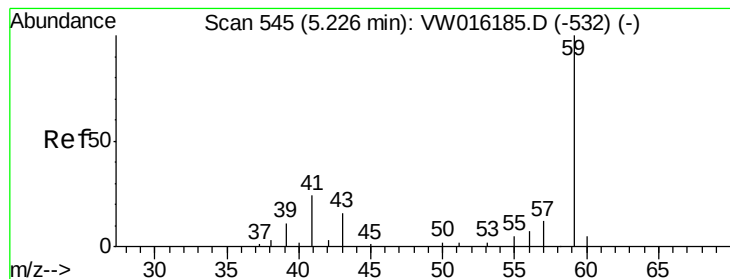
45 116.9 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 89.696 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.05 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

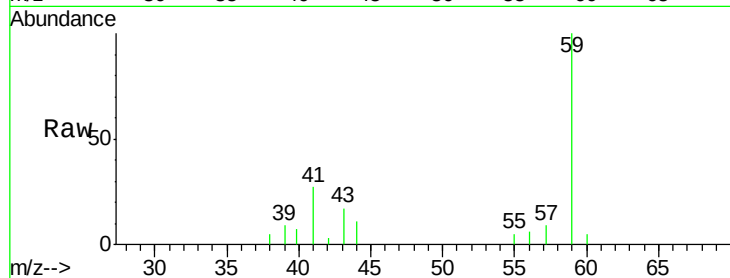
24051

Tot Ion: 59 Resp: 8397

Ion Ratio Lower Upper

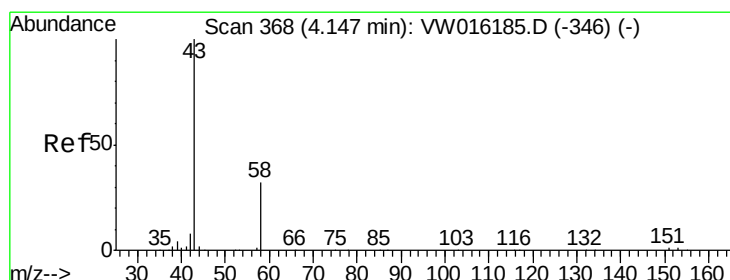
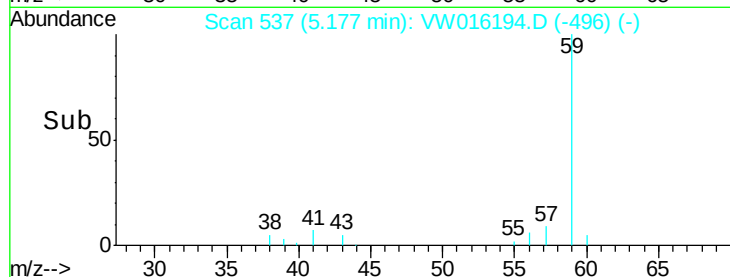
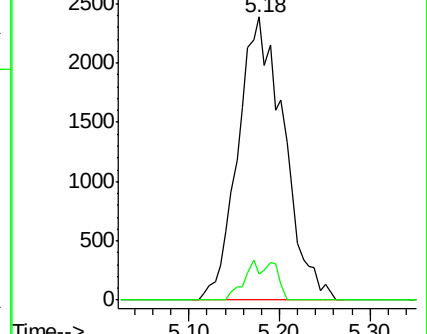
59 100

57 4.7 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 96.590 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW016194.D

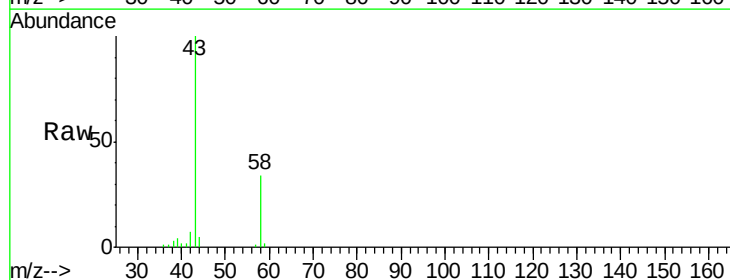
Acq: 14 Aug 2020 16:07

Tgt Ion: 43 Resp: 32548

Ion Ratio Lower Upper

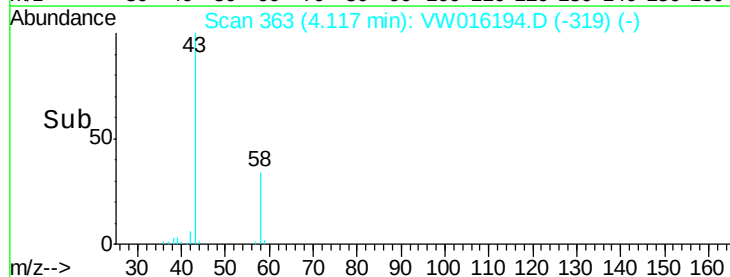
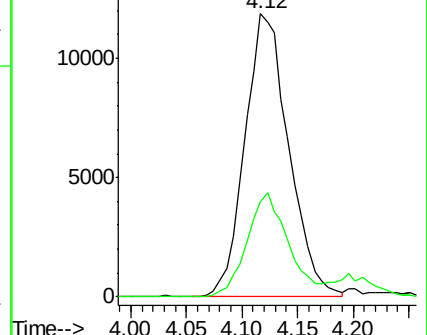
43 100

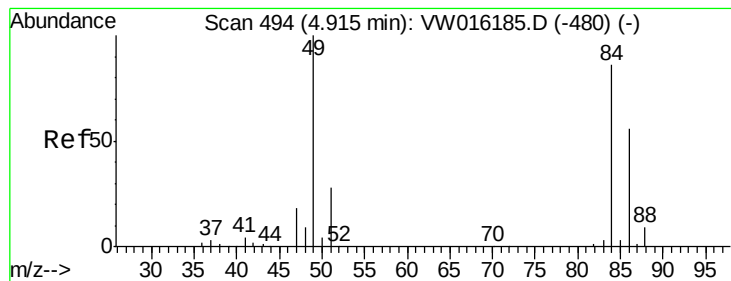
58 33.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 10.569 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

24051

Tot Ion: 84 Resp: 30281

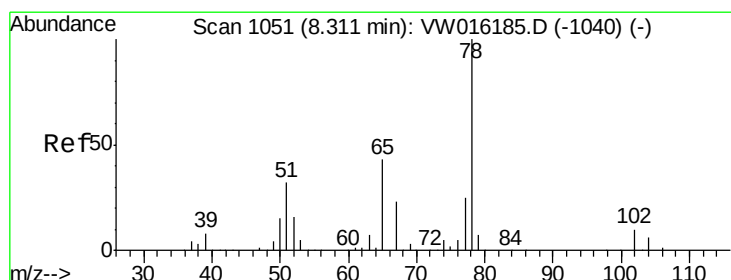
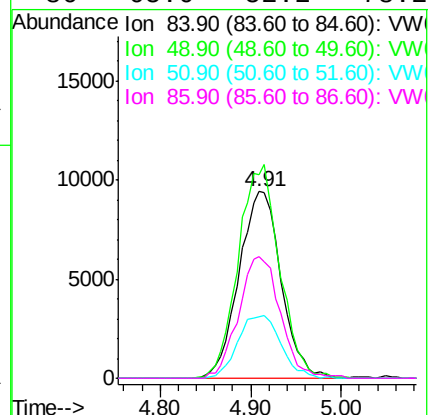
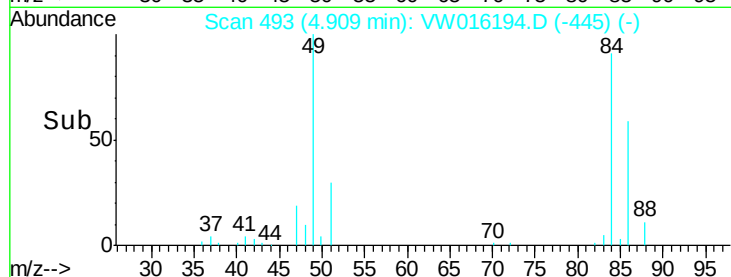
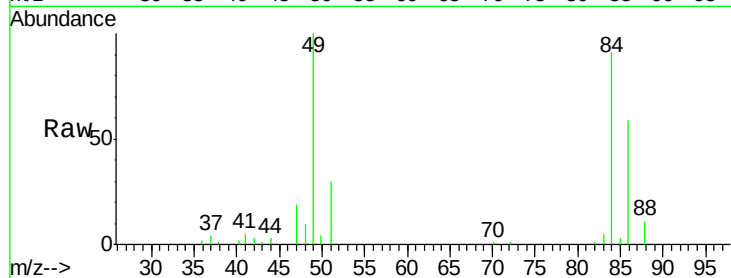
Ion Ratio Lower Upper

84 100

49 109.5 93.4 140.2

51 33.1 26.6 40.0

86 65.0 52.2 78.2



#33

1,2-Dichloroethane-d4

Concen: 54.511 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016194.D

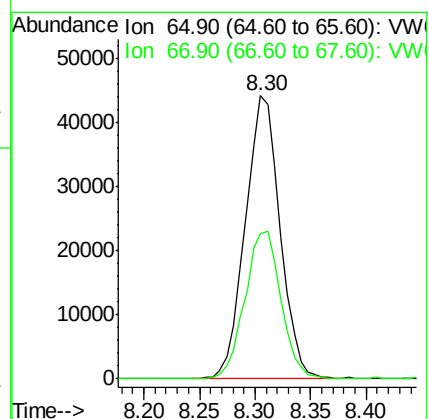
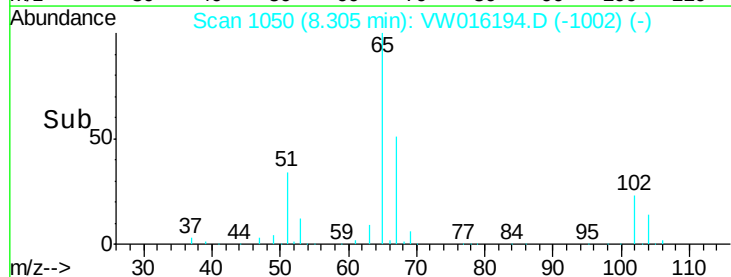
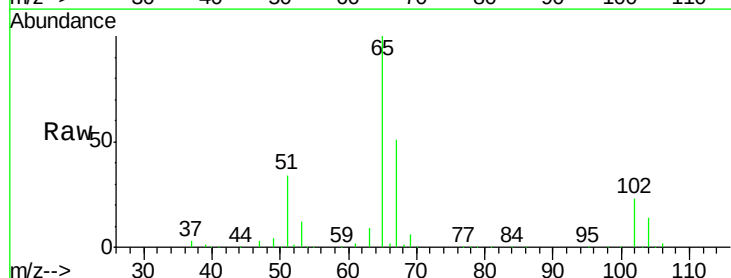
Acq: 14 Aug 2020 16:07

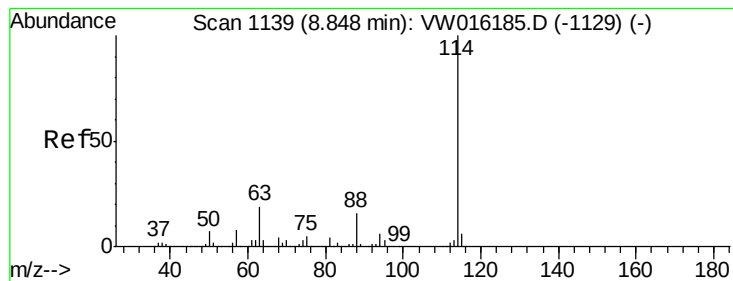
Tgt Ion: 65 Resp: 95885

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_W

ClientSampleId :

24051

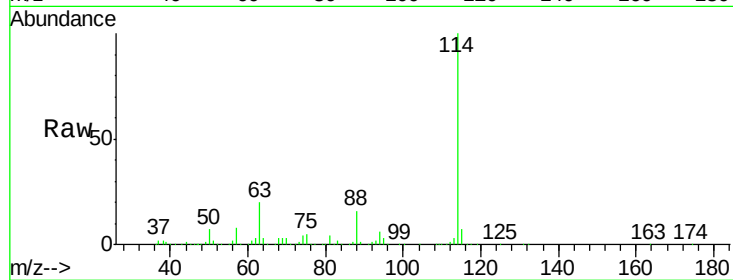
Tot Ion:114 Resp: 323159

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

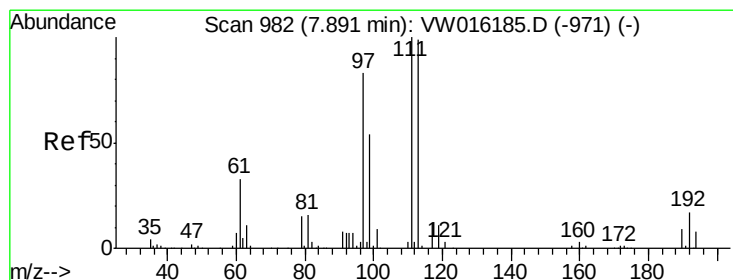
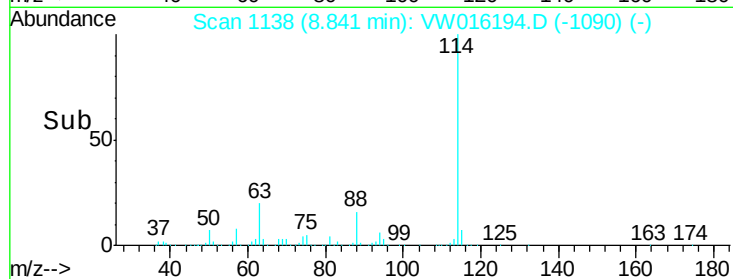
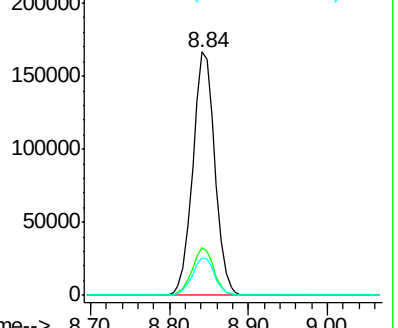
88 15.6 0.0 32.8



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: 48.819 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

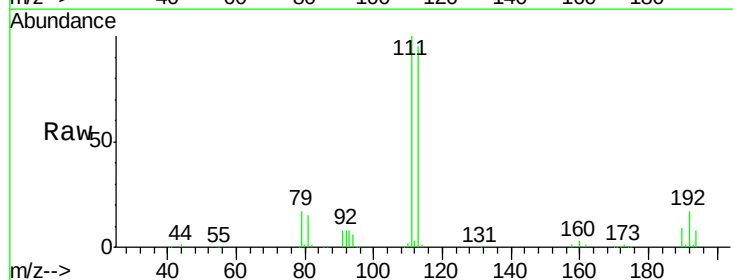
Tgt Ion:113 Resp: 97341

Ion Ratio Lower Upper

113 100

111 103.5 83.5 125.3

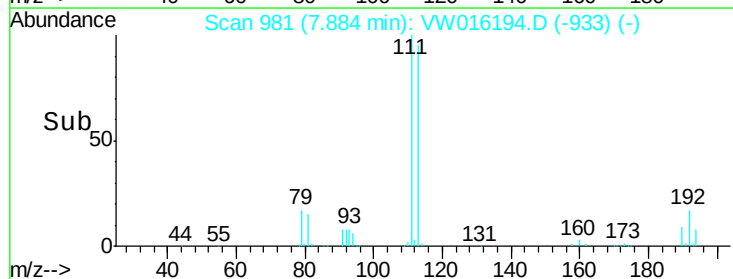
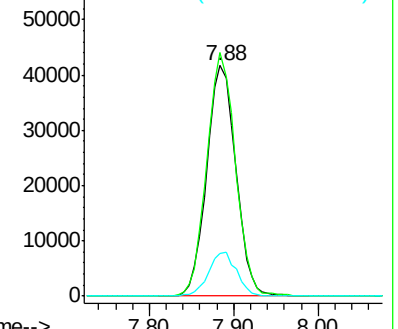
192 18.1 14.3 21.5

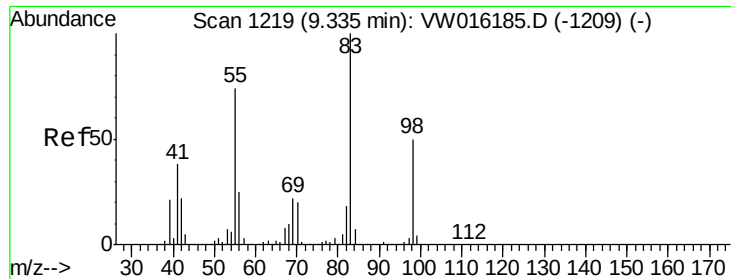


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

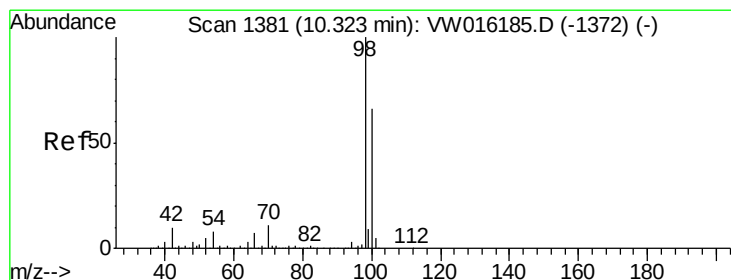
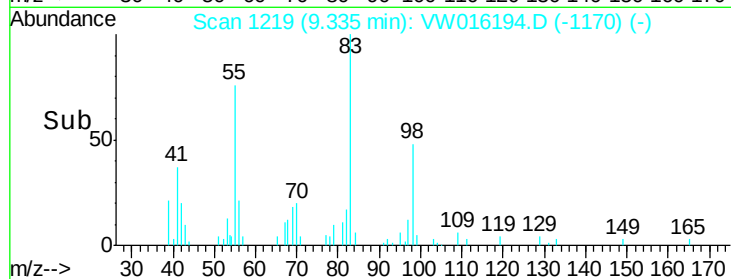
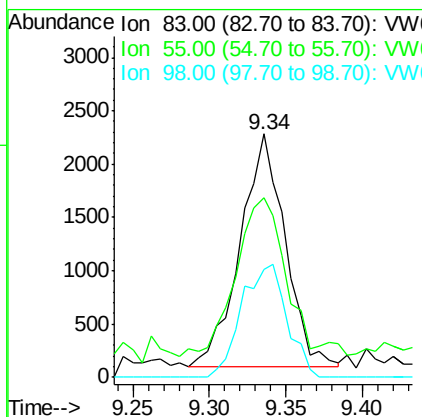
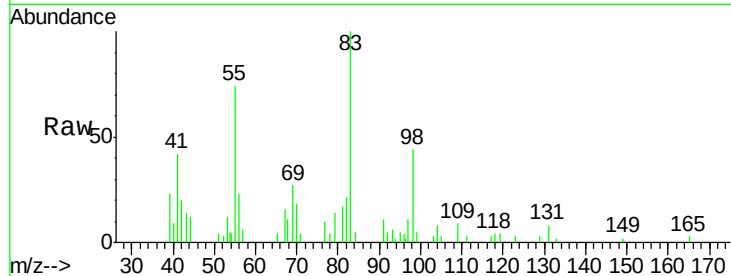




#39
Methylcyclohexane
Concen: 1.164 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

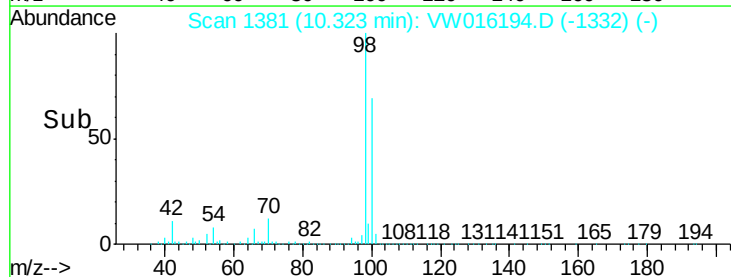
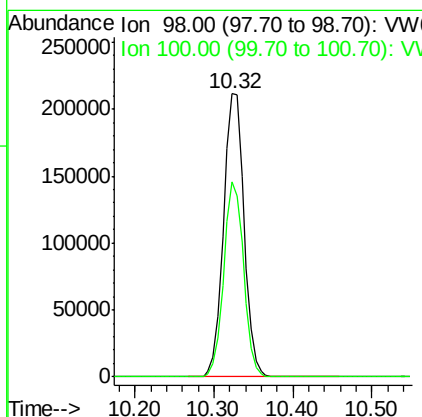
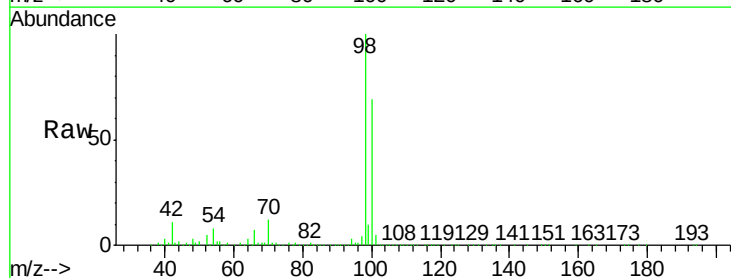
Instrument :
MSVOA_W
ClientSampled :
24051

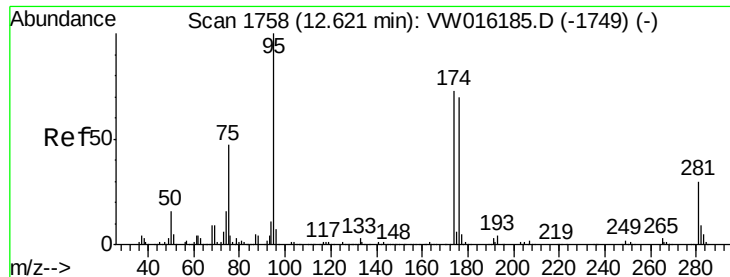
Tot Ion: 83 Resp: 4464
Ion Ratio Lower Upper
83 100
55 64.6 59.2 88.8
98 46.2 40.2 60.2



#50
Toluene-d8
Concen: 49.749 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

Tgt Ion: 98 Resp: 383972
Ion Ratio Lower Upper
98 100
100 66.2 53.5 80.3

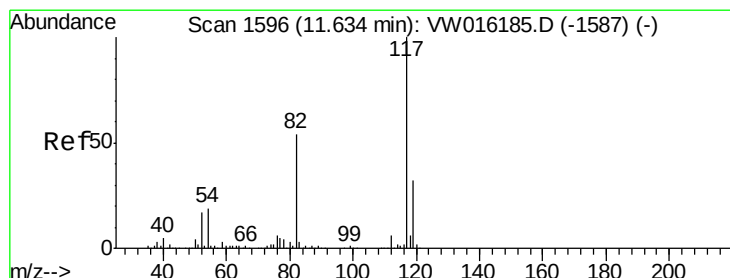
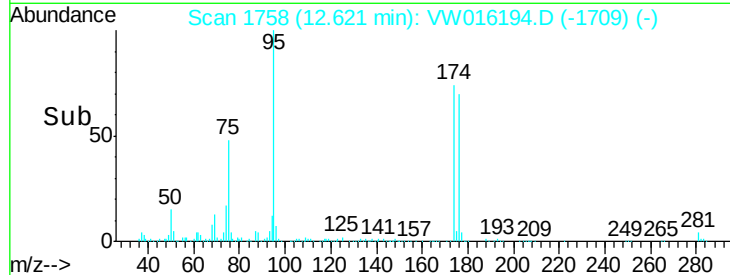
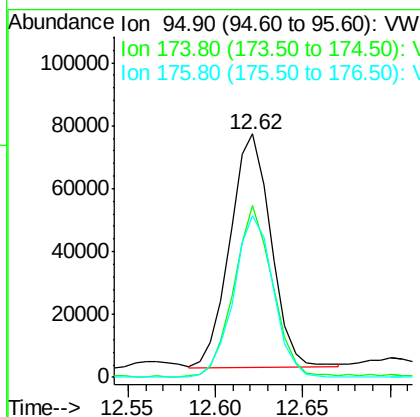
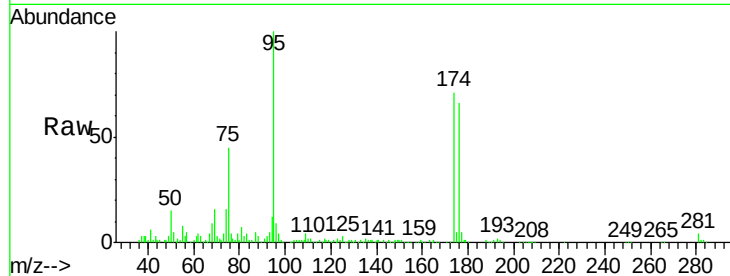




#62
4-Bromofluorobenzene
Concen: 43.871 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

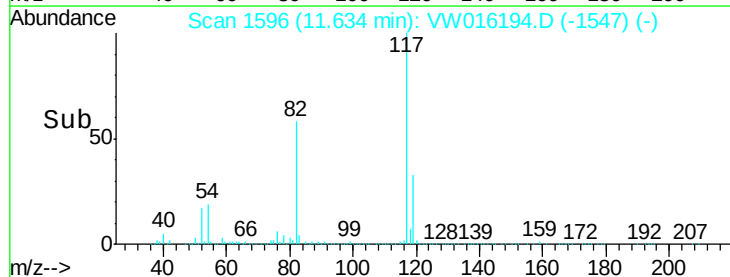
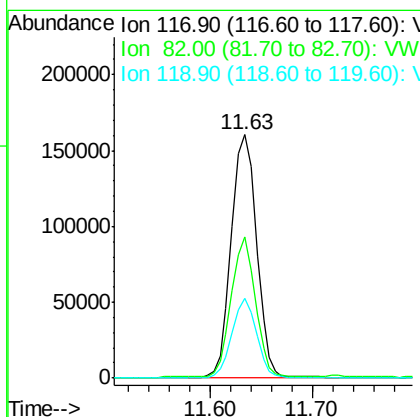
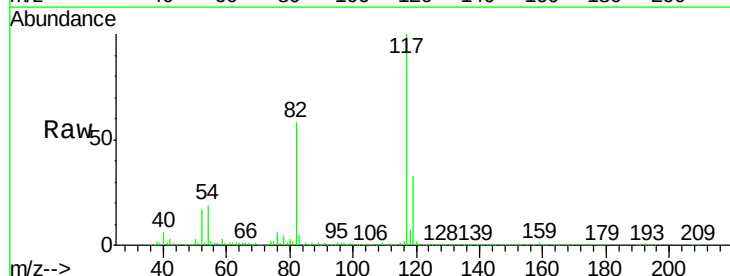
Instrument :
MSVOA_W
ClientSampleId :
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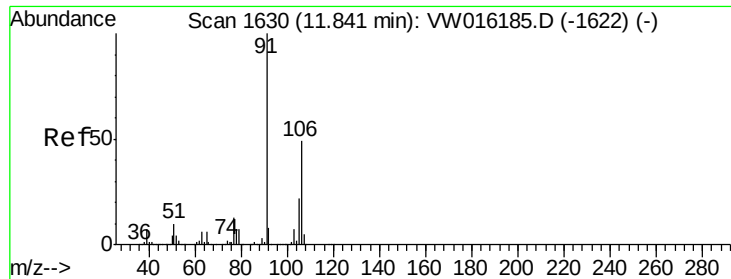
Tot Ion: 95 Resp: 121034
Ion Ratio Lower Upper
95 100
174 69.0 0.0 145.6
176 67.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

Tgt Ion: 117 Resp: 275164
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 32.7 25.4 38.0

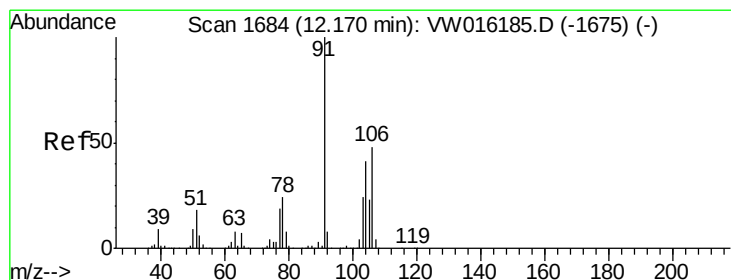
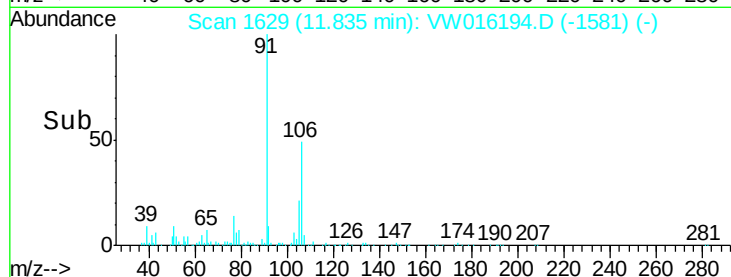
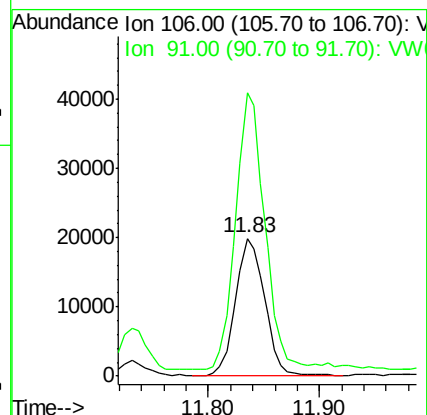
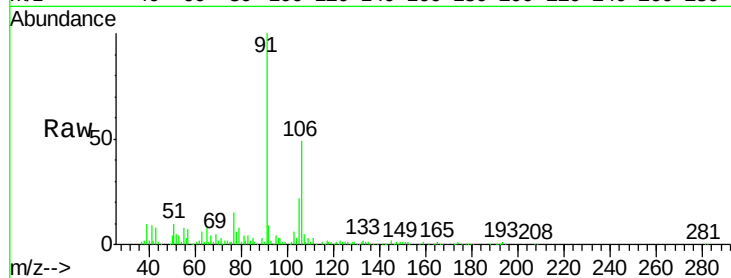




#68
m/p-Xylenes
Concen: 9.090 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

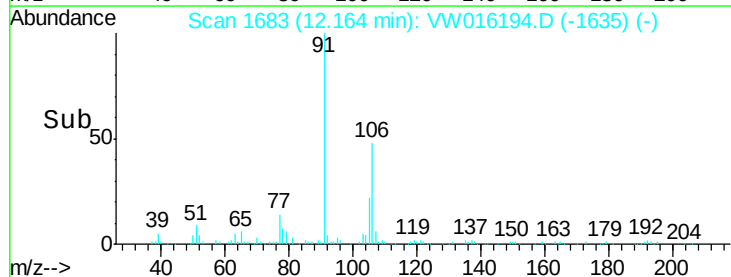
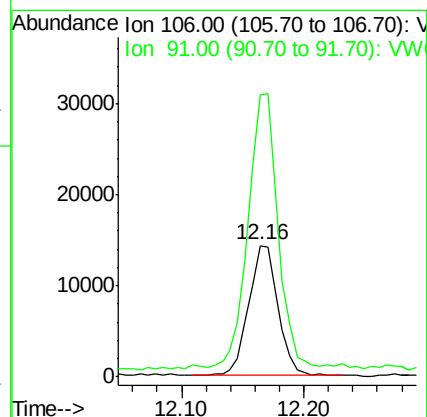
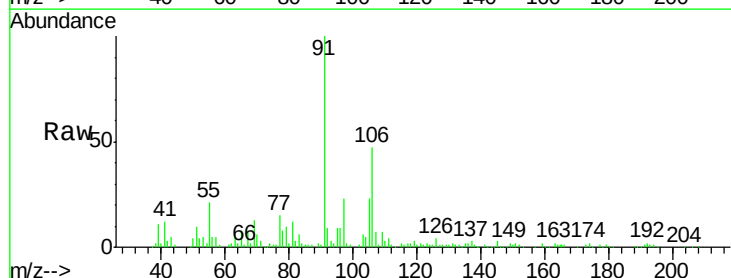
Instrument :
MSVOA_W
ClientSampled :
24051

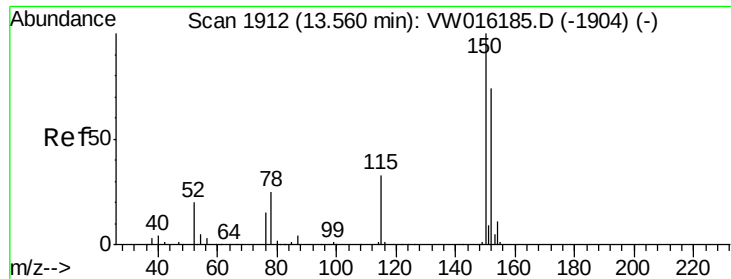
Tot Ion:106 Resp: 35416
Ion Ratio Lower Upper
106 100
91 203.3 161.4 242.2



#69
o-Xylene
Concen: 6.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

Tgt Ion:106 Resp: 23702
Ion Ratio Lower Upper
106 100
91 216.0 106.0 317.9



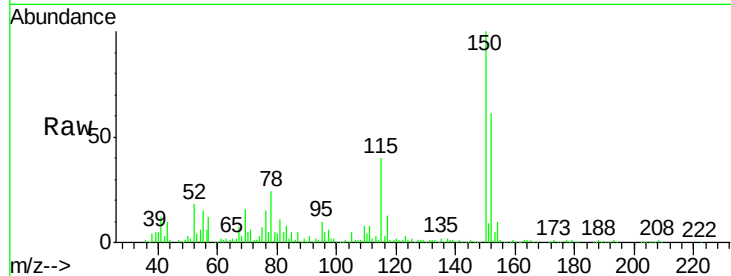


#72

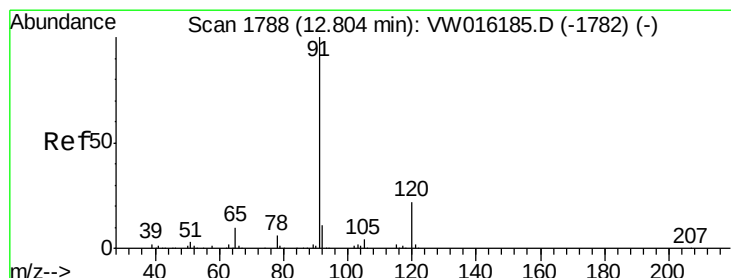
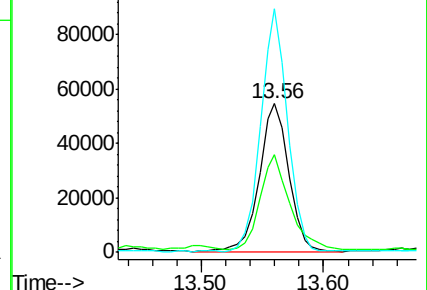
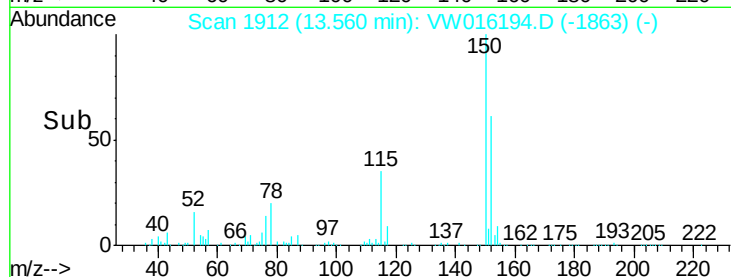
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

Instrument :
MSVOA_W
ClientSampleId :
24051

Tot Ion:152 Resp: 91194
Ion Ratio Lower Upper
152 100
115 64.7 30.9 92.5
150 148.2 0.0 337.8



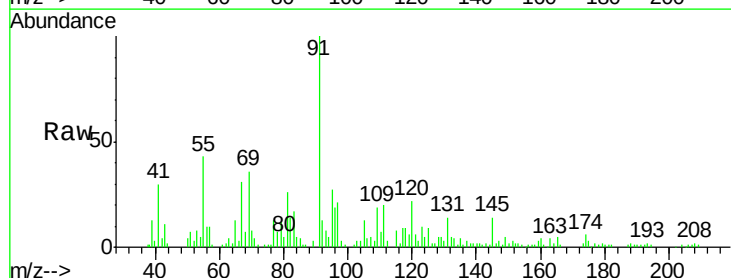
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



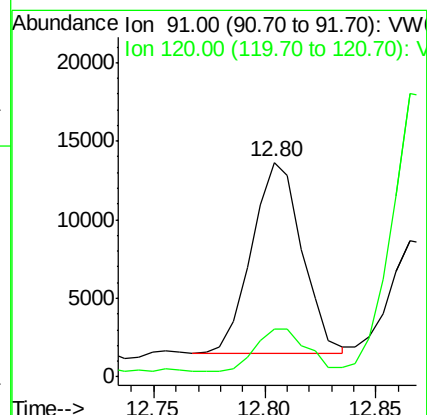
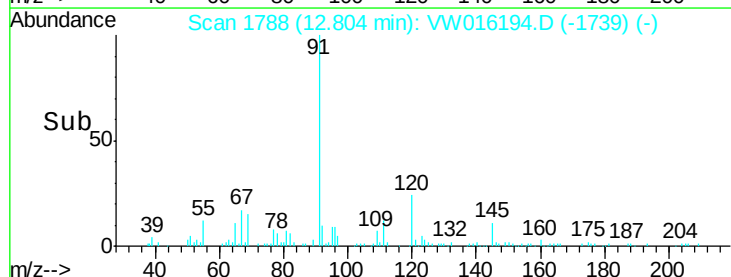
#78

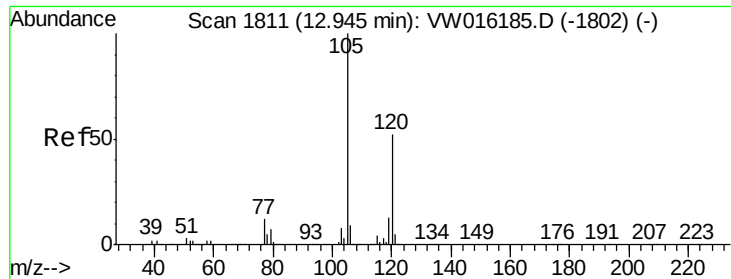
n-propylbenzene
Concen: 2.289 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW016194.D
Acq: 14 Aug 2020 16:07

Tgt Ion: 91 Resp: 18983
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

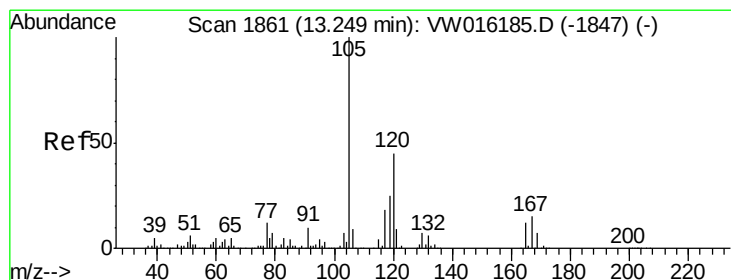
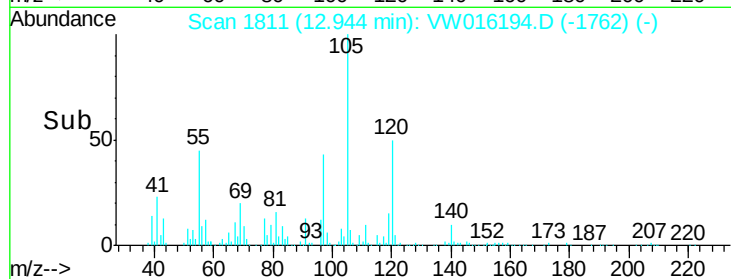
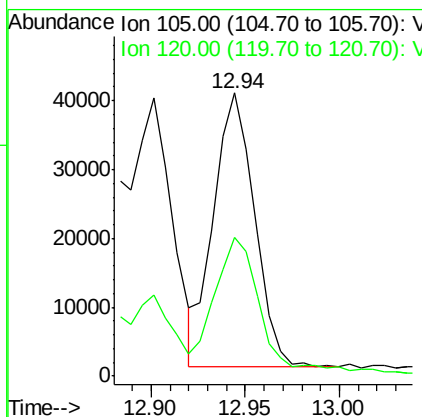
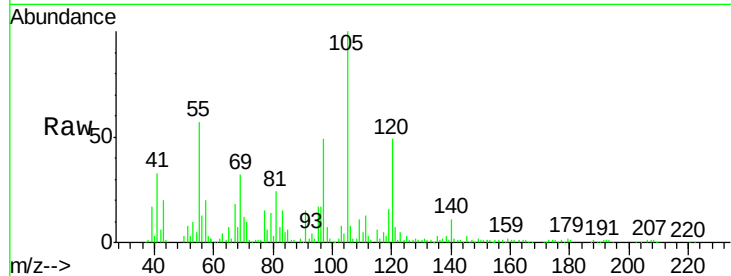




#80
 1,3,5-Trimethylbenzene
 Concen: 10.055 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016194.D
 Acq: 14 Aug 2020 16:07

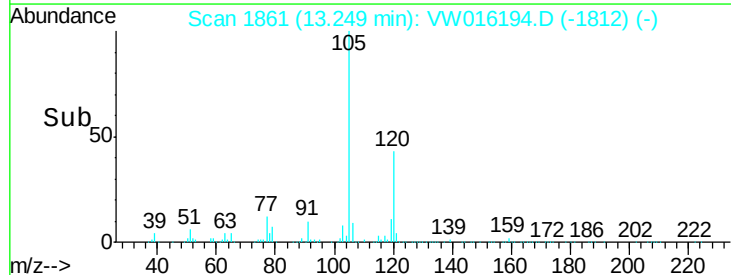
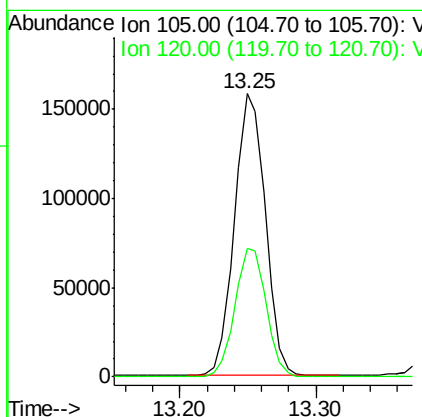
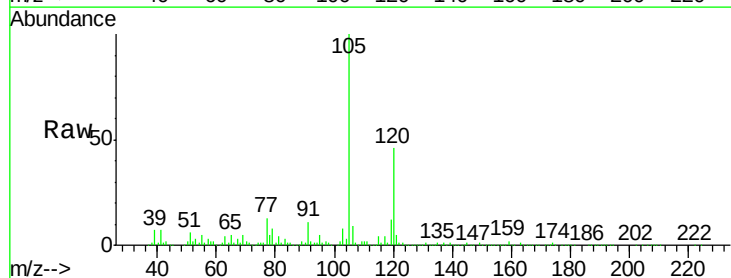
Instrument :
 MSVOA_W
 ClientSampled :
 24051

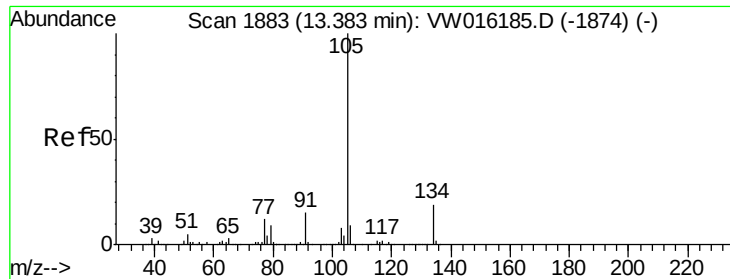
Tot Ion:105 Resp: 59980
 Ion Ratio Lower Upper
 105 100
 120 58.0 25.1 75.2



#84
 1,2,4-Trimethylbenzene
 Concen: 42.159 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW016194.D
 Acq: 14 Aug 2020 16:07

Tgt Ion:105 Resp: 248868
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 2.677 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Instrument :

MSVOA_W

ClientSampled :

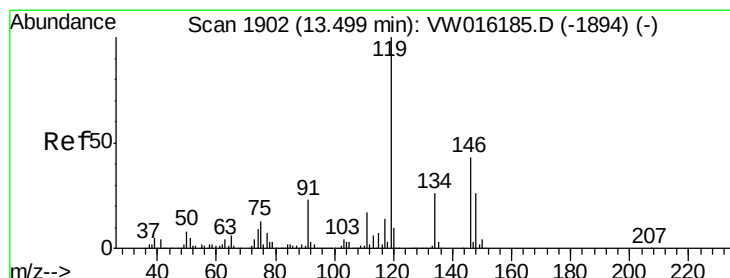
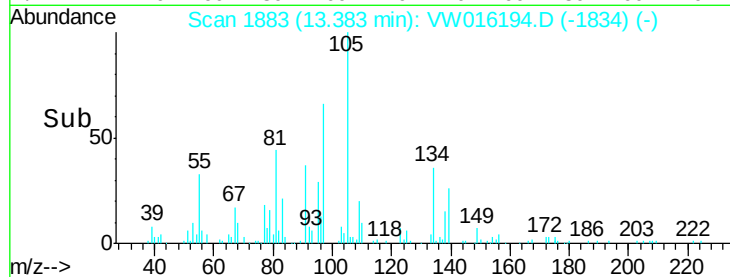
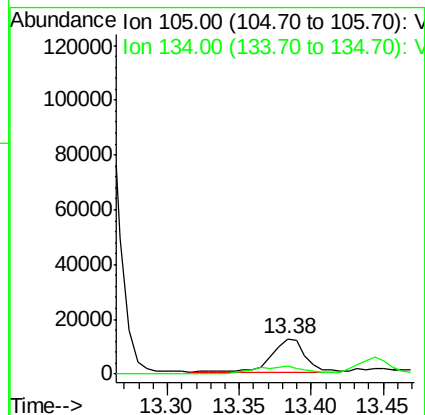
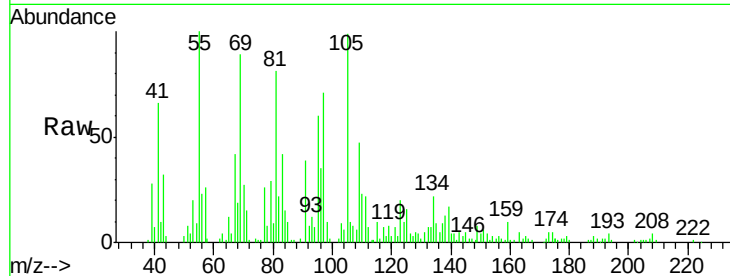
24051

Tot Ion:105 Resp: 19025

Ion Ratio Lower Upper

105 100

134 35.1 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 3.963 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016194.D

Acq: 14 Aug 2020 16:07

Tgt Ion:119 Resp: 25468

Ion Ratio Lower Upper

119 100

134 28.1 12.8 38.4

91 20.4 11.8 35.3

