

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014534.D
 Acq On : 06 Jan 2020 19:51
 Operator : SY/VA
 Sample : K6476-06
 Misc : 10.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Quant Time: Jan 07 04:13:24 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	487922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	768375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	570026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233610	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	247084	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	
35) Dibromofluoromethane	7.88	113	238953	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	10.32	98	935352	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	335895	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	

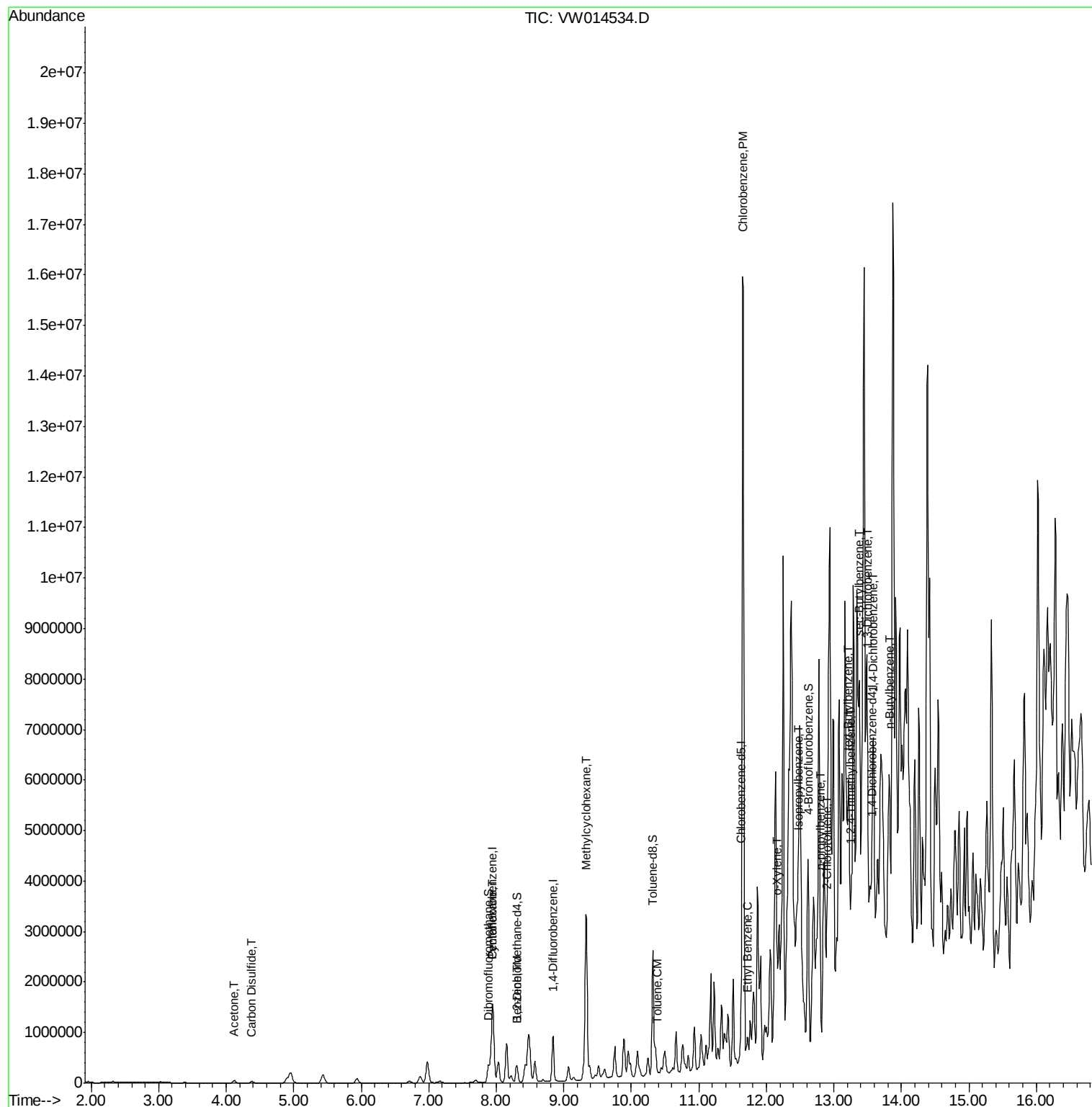
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	76831	63.783	ug/l	99
17) Carbon Disulfide	4.38	76	63042	4.308	ug/l	97
31) Cyclohexane	7.95	56	657696	72.239	ug/l	95
39) Methylcyclohexane	9.34	83	1348534	141.860	ug/l	97
40) Benzene	8.32	78	25576	1.220	ug/l	95
52) Toluene	10.38	92	16256	1.233	ug/l	93
65) Chlorobenzene	11.66	112	8767894	750.799	ug/l	94
67) Ethyl Benzene	11.73	91	51107	2.428	ug/l	90
69) o-Xylene	12.16	106	40750	5.477	ug/l	71
73) Isopropylbenzene	12.46	105	286383	16.707	ug/l	99
78) n-propylbenzene	12.80	91	182532	9.056	ug/l	93
79) 2-Chlorotoluene	12.89	91	100420	8.755	ug/l	76
83) tert-Butylbenzene	13.21	119	383894	30.466	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	84949	5.931	ug/l	99
85) sec-Butylbenzene	13.38	105	1599632	91.712	ug/l #	55
87) 1,3-Dichlorobenzene	13.50	146	524350	67.731	ug/l #	56
88) 1,4-Dichlorobenzene	13.58	146	780674	102.143	ug/l #	72
89) n-Butylbenzene	13.82	91	1466918	99.361	ug/l	90

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

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QLast Update : Fri Jan 03 16:07:20 2020
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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: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

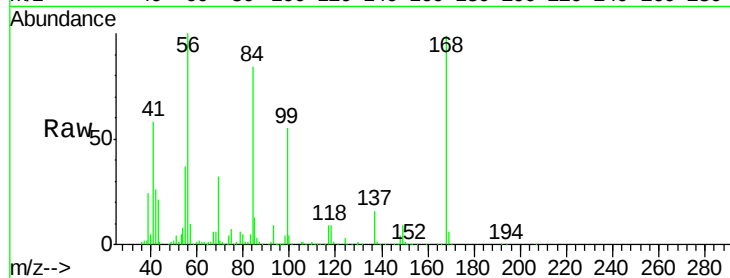
WP022SB455_191227-14-16

Tgt Ion: 168 Resp: 487922

Ion Ratio Lower Upper

168 100

99 55.0 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

250000

200000

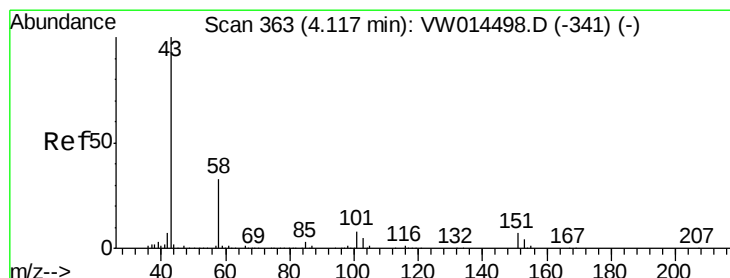
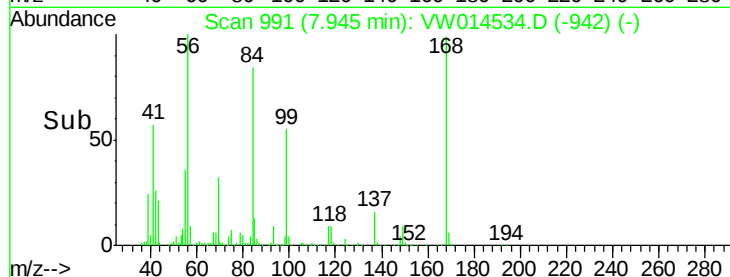
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 63.783 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014534.D

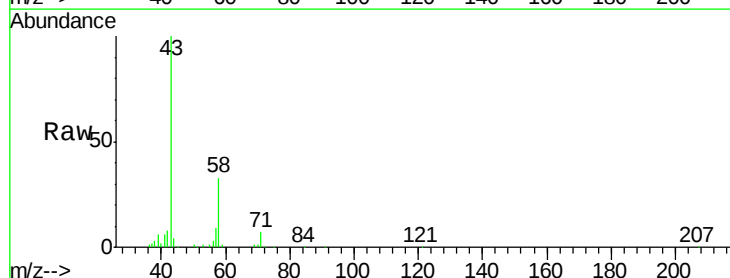
Acq: 06 Jan 2020 19:51

Tgt Ion: 43 Resp: 76831

Ion Ratio Lower Upper

43 100

58 32.7 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

30000

25000

20000

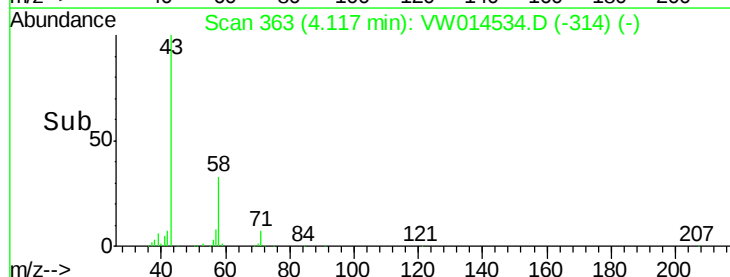
15000

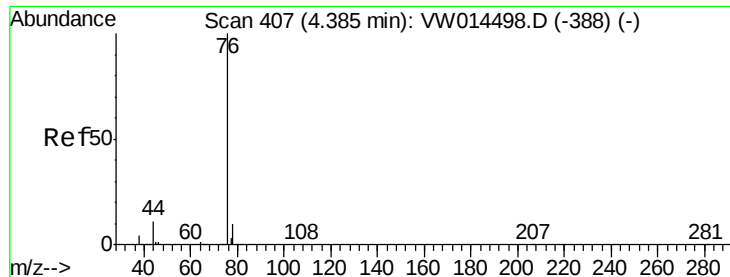
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 4.308 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

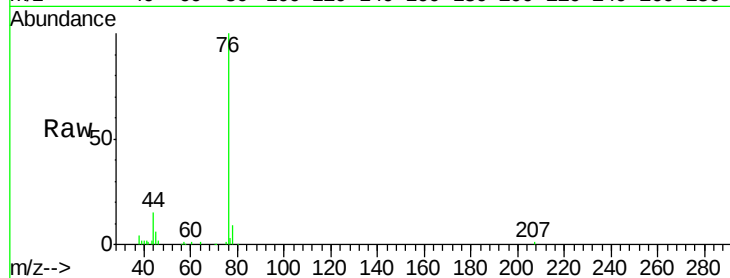
WP022SB455_191227-14-16

Tgt Ion: 76 Resp: 63042

Ion Ratio Lower Upper

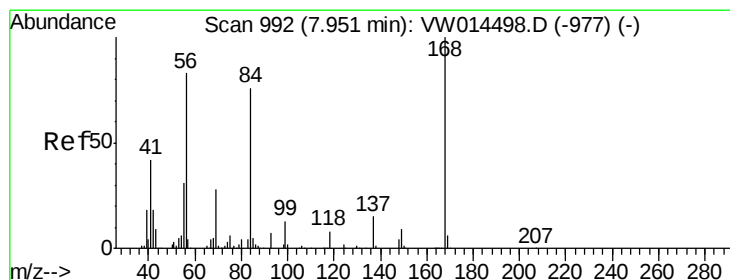
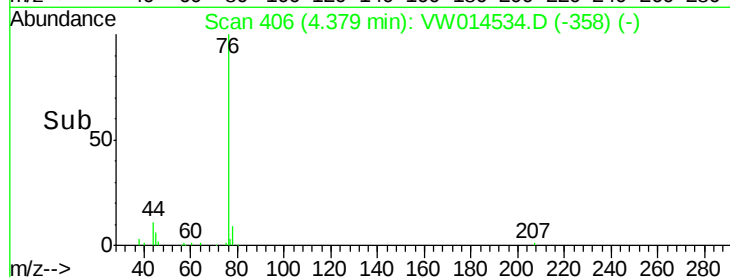
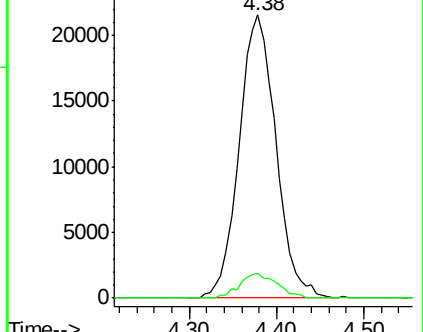
76 100

78 8.7 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#31

Cyclohexane

Concen: 72.239 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

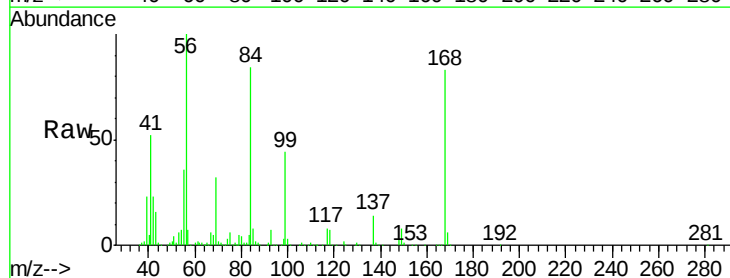
Tgt Ion: 56 Resp: 657696

Ion Ratio Lower Upper

56 100

69 31.9 26.8 40.2

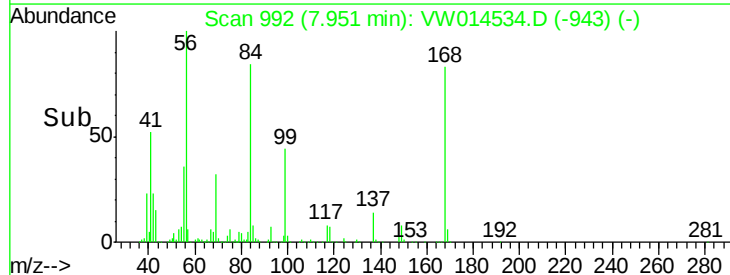
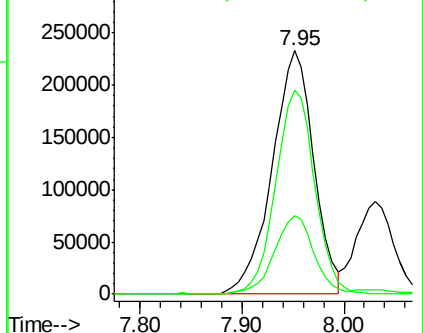
84 83.7 71.8 107.6

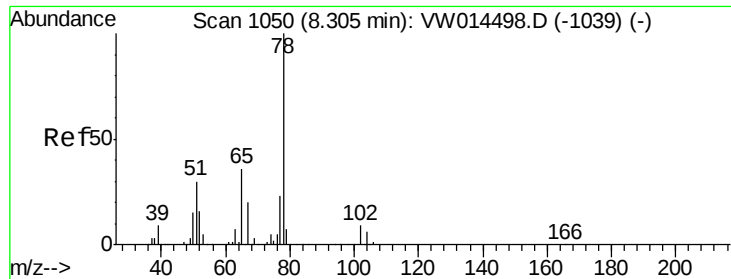


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 57.920 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

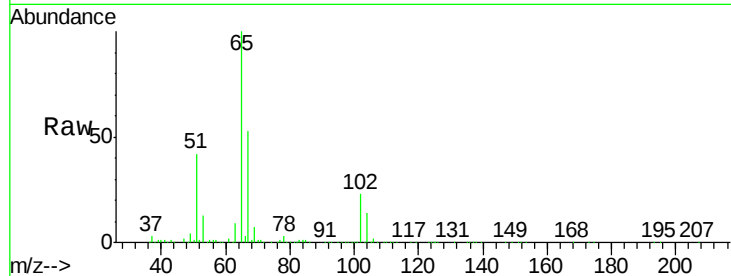
WP022SB455_191227-14-16

Tgt Ion: 65 Resp: 247084

Ion Ratio Lower Upper

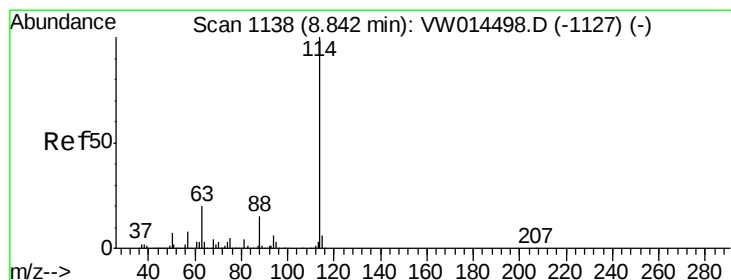
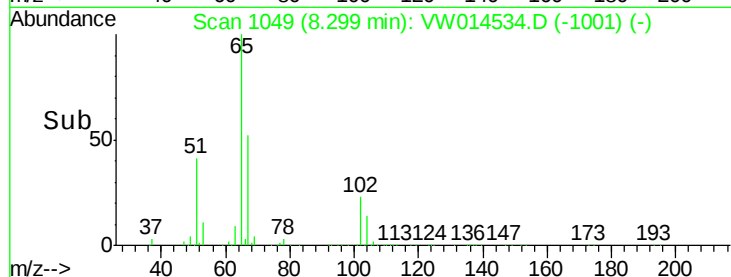
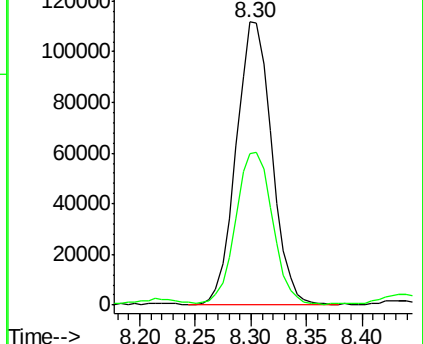
65 100

67 55.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

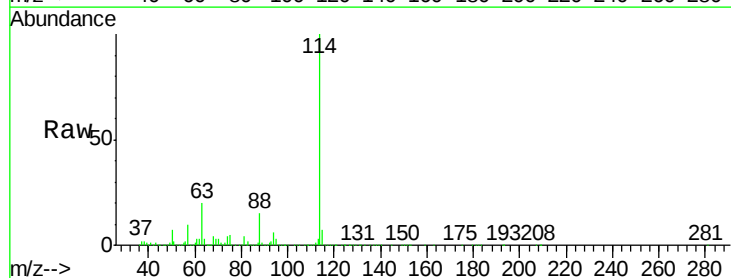
Tgt Ion: 114 Resp: 768375

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

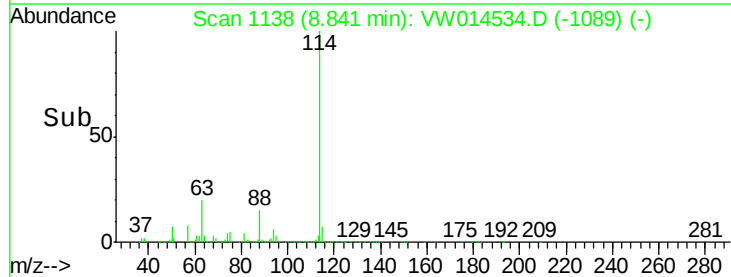
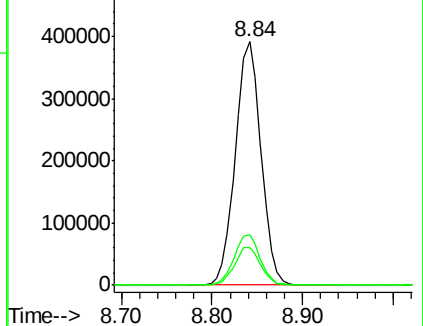
88 15.3 0.0 30.6

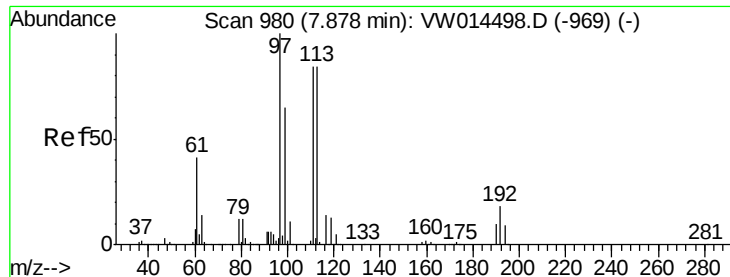


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

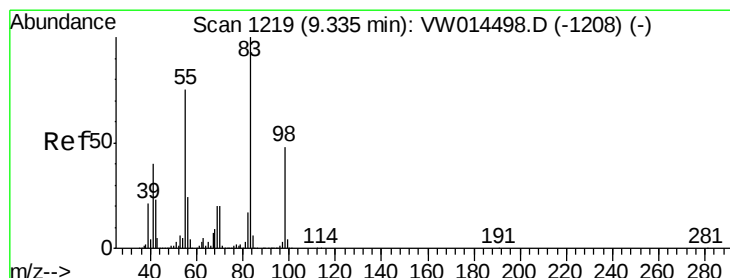
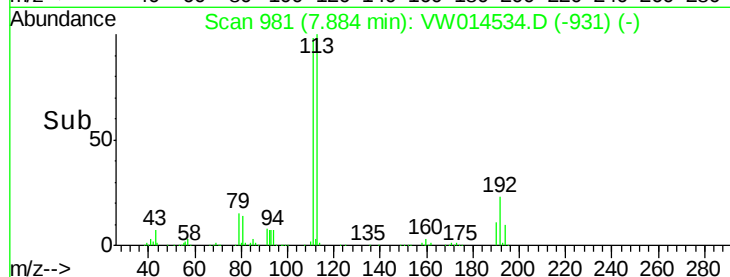
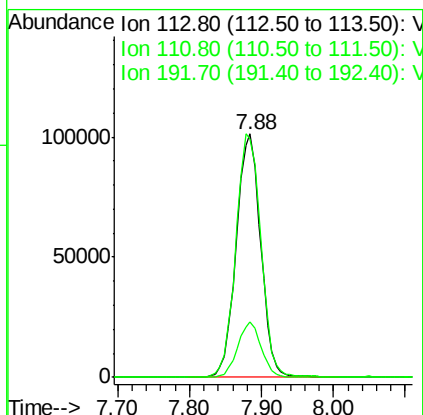
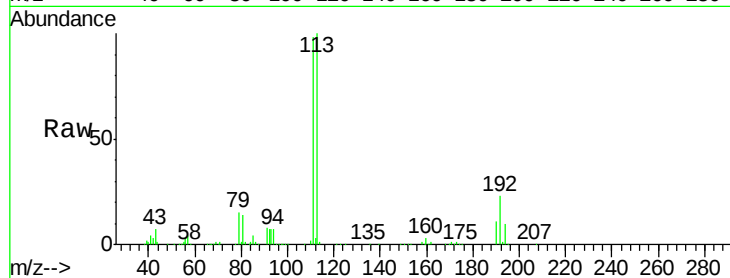




#35
 Dibromofluoromethane
 Concen: 54.414 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

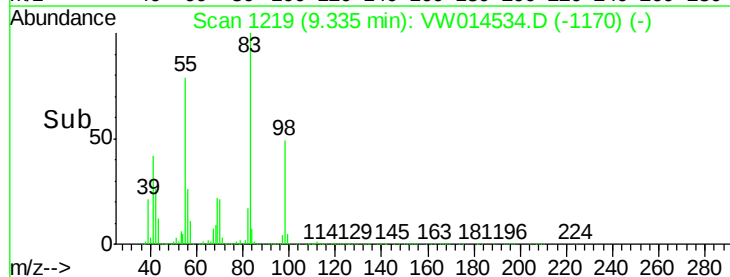
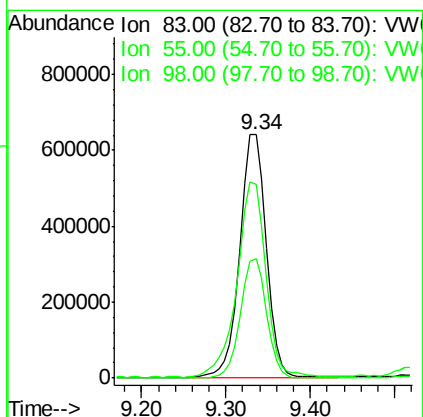
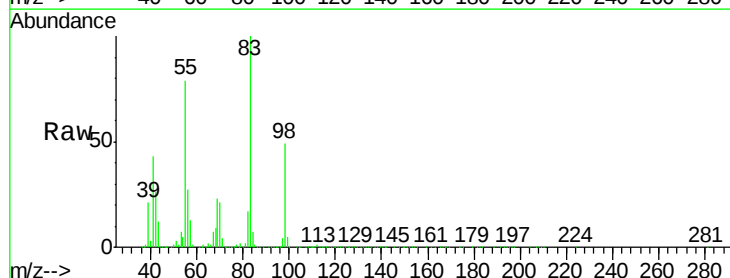
Instrument :
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 ClientSampleId :
 WP022SB455_191227-14-16

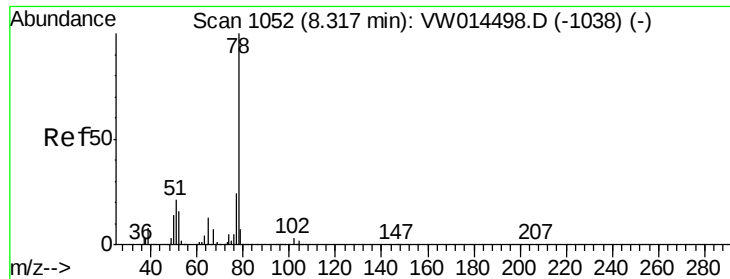
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.2
192	21.8	17.8	26.8



#39
 Methylcyclohexane
 Concen: 141.860 ug/l
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.0	60.1	90.1
98	49.2	38.8	58.2





#40

Benzene

Concen: 1.220 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

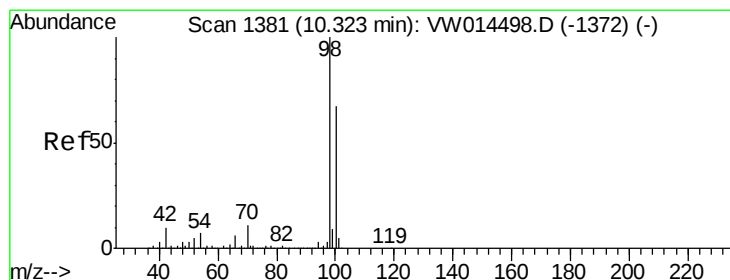
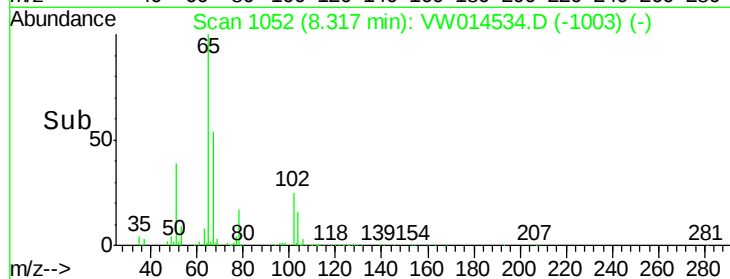
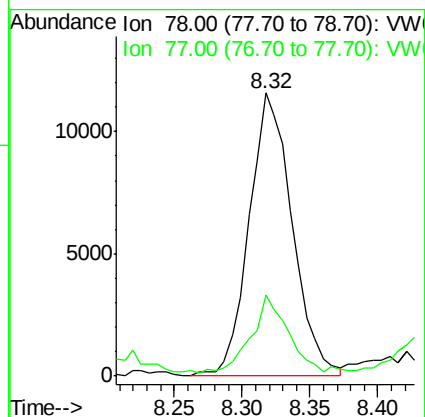
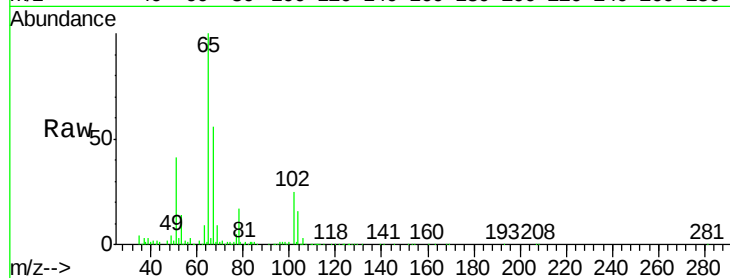
WP022SB455_191227-14-16

Tgt Ion: 78 Resp: 25576

Ion Ratio Lower Upper

78 100

77 26.6 19.3 28.9



#50

Toluene-d8

Concen: 51.038 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014534.D

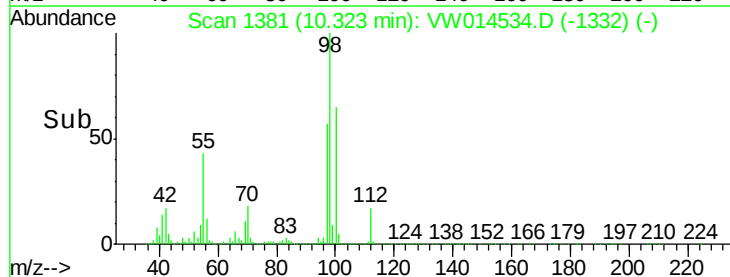
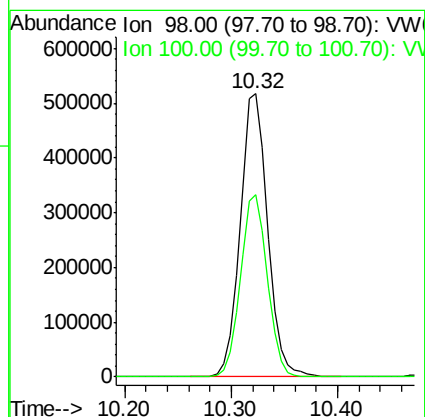
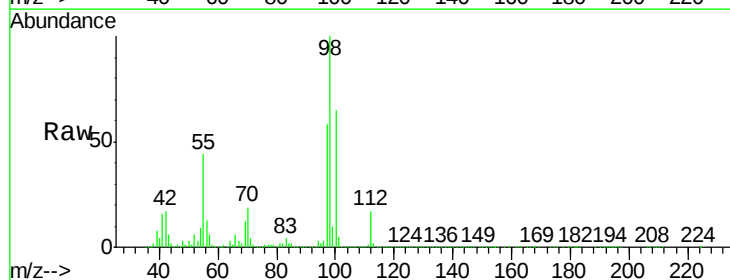
Acq: 06 Jan 2020 19:51

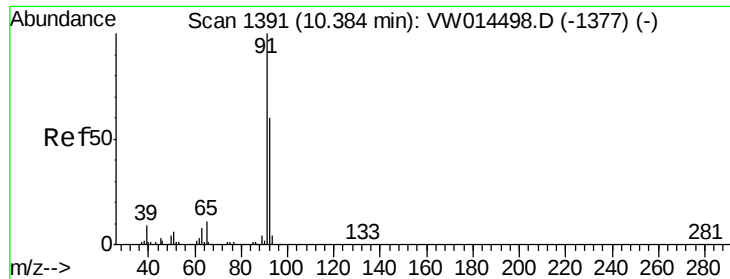
Tgt Ion: 98 Resp: 935352

Ion Ratio Lower Upper

98 100

100 62.8 53.8 80.6





#52

Toluene

Concen: 1.233 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

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ClientSampleId :

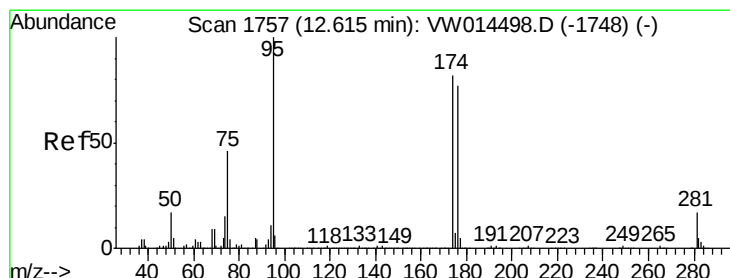
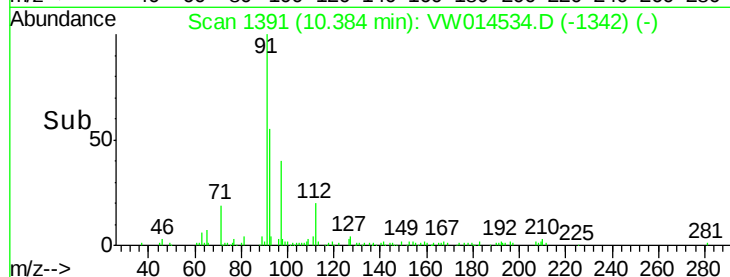
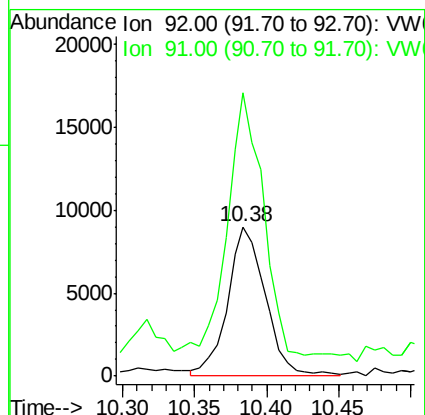
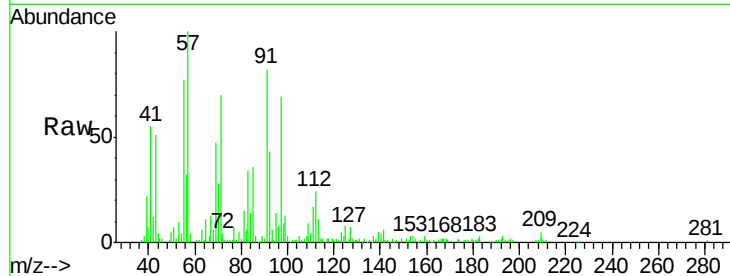
WP022SB455_191227-14-16

Tgt Ion: 92 Resp: 16256

Ion Ratio Lower Upper

92 100

91 176.6 134.1 201.1



#62

4-Bromofluorobenzene

Concen: 54.036 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

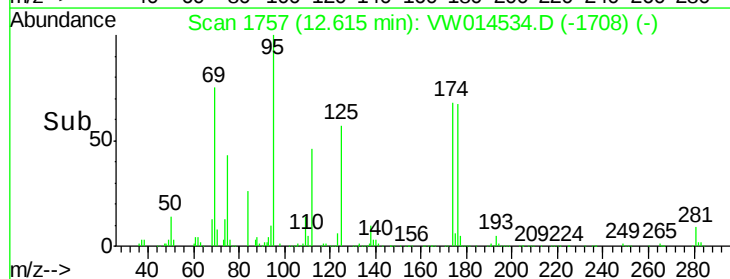
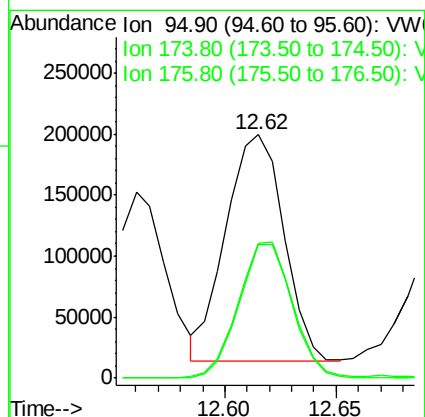
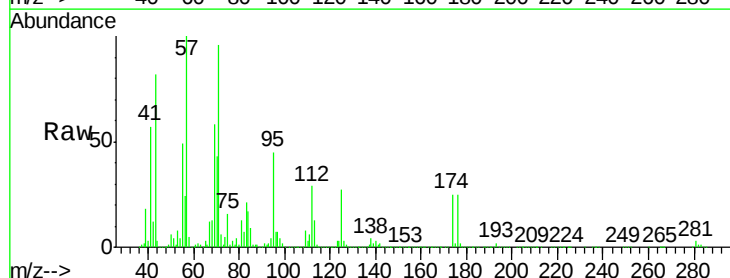
Tgt Ion: 95 Resp: 335895

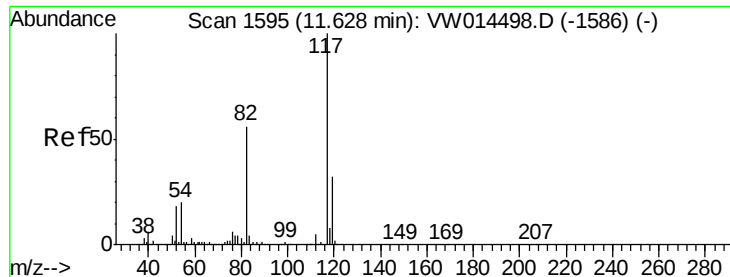
Ion Ratio Lower Upper

95 100

174 56.6 0.0 168.6

176 54.6 0.0 162.0

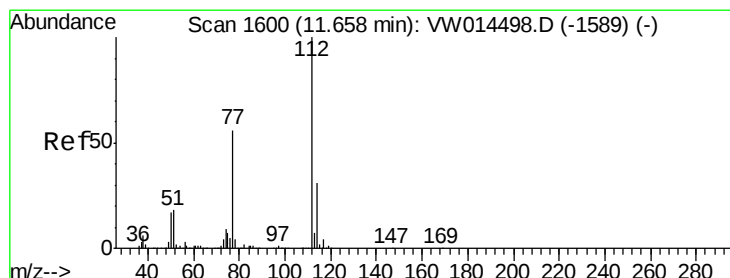
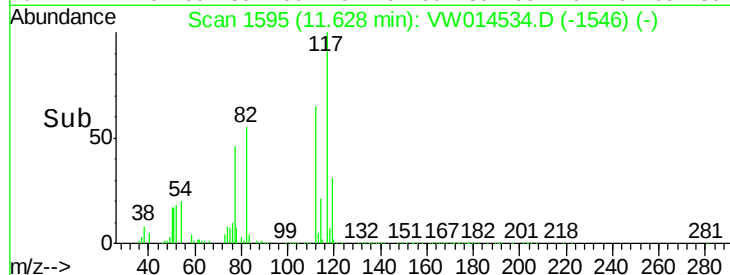
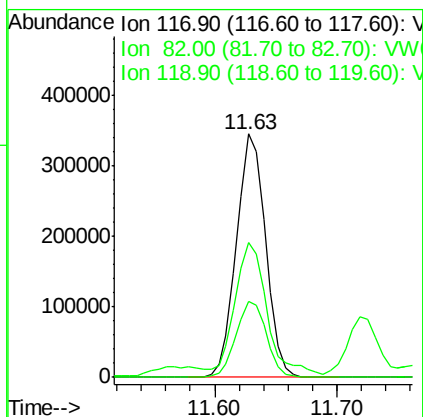
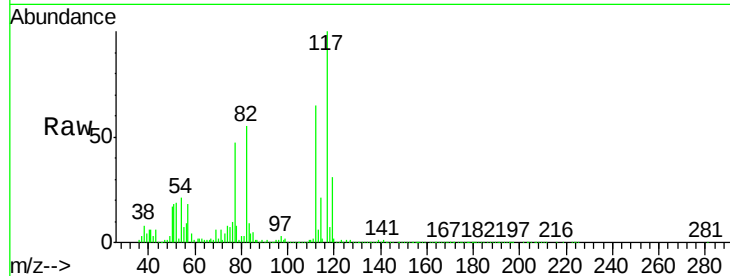




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

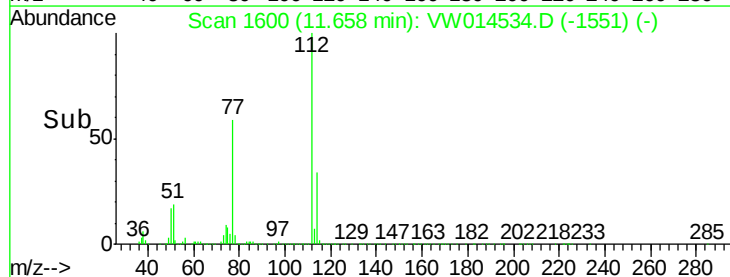
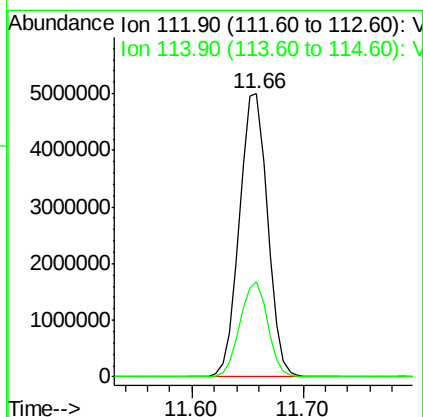
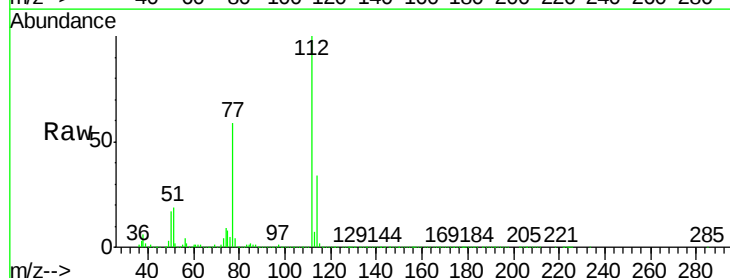
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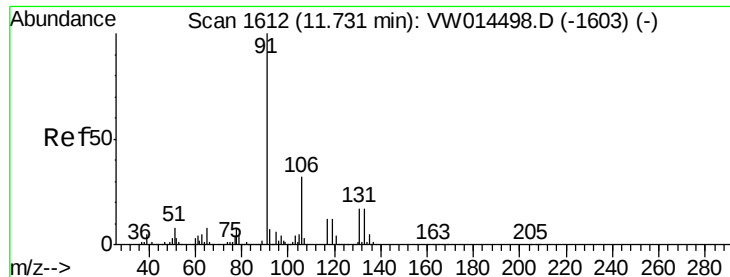
Tgt Ion:117 Resp: 570026
Ion Ratio Lower Upper
117 100
82 51.2 44.6 67.0
119 31.0 25.7 38.5



#65
Chlorobenzene
Concen: 750.799 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion:112 Resp: 8767894
Ion Ratio Lower Upper
112 100
114 33.8 24.6 37.0

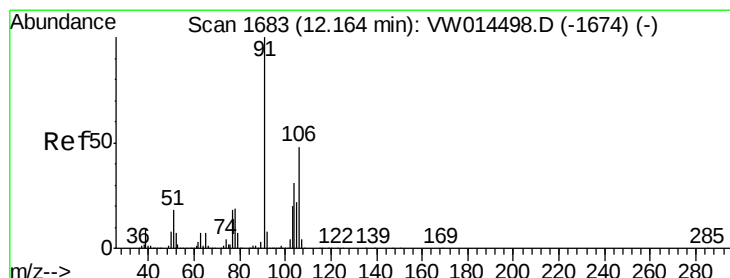
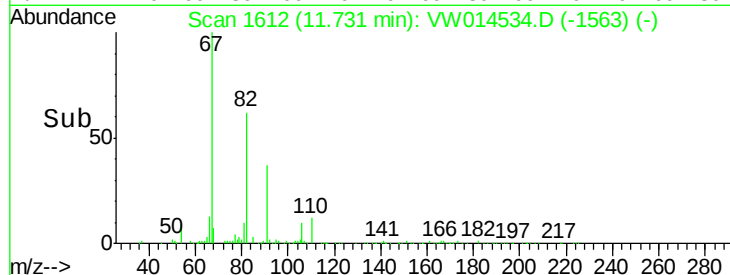
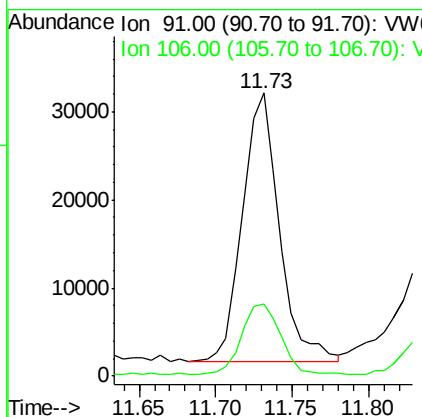
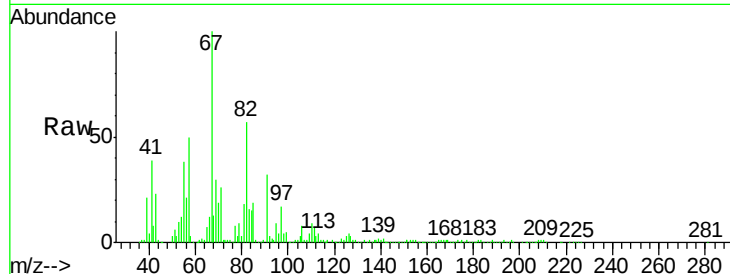




#67
Ethyl Benzene
Concen: 2.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

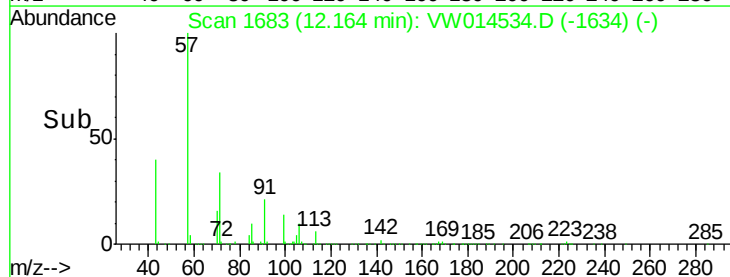
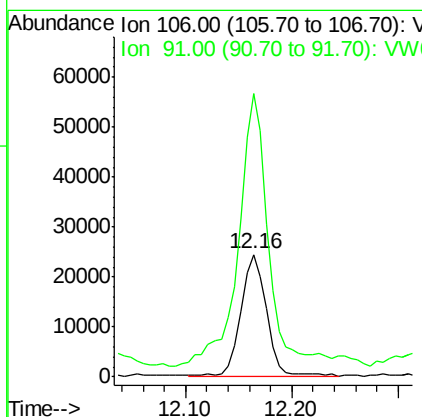
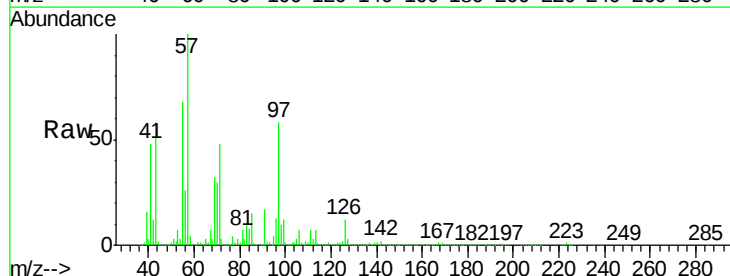
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

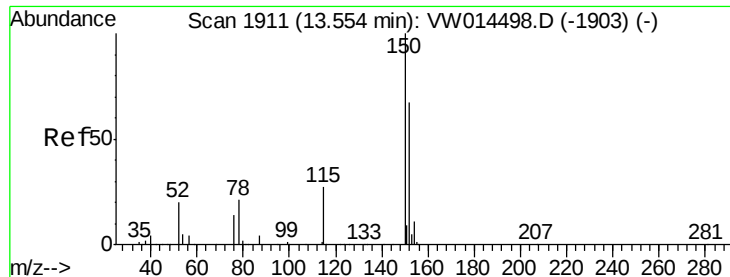
Tgt Ion: 91 Resp: 51107
Ion Ratio Lower Upper
91 100
106 26.2 25.5 38.3



#69
o-Xylene
Concen: 5.477 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion: 106 Resp: 40750
Ion Ratio Lower Upper
106 100
91 255.4 105.2 315.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

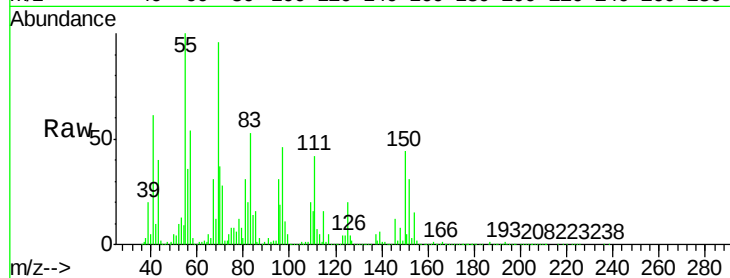
Tgt Ion:152 Resp: 233610

Ion Ratio Lower Upper

152 100

115 38.0 27.7 83.1

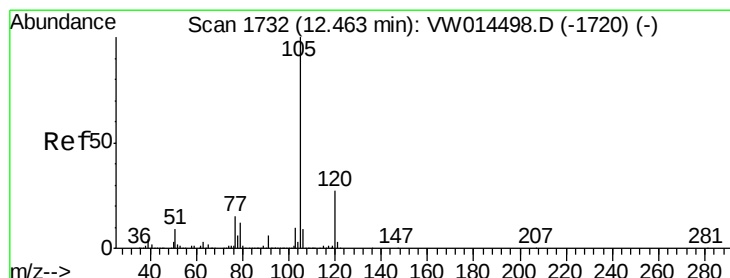
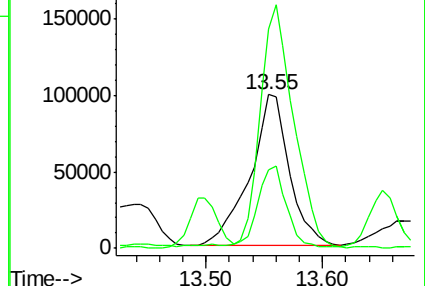
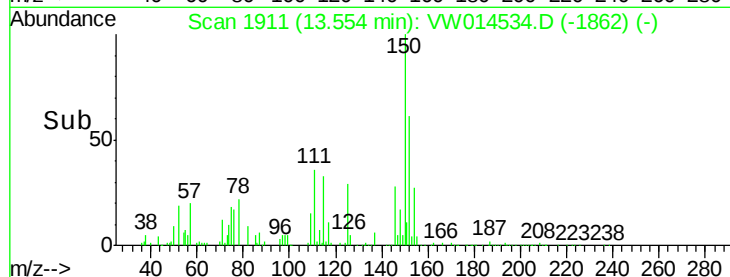
150 136.1 0.0 343.4



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



#73

Isopropylbenzene

Concen: 16.707 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014534.D

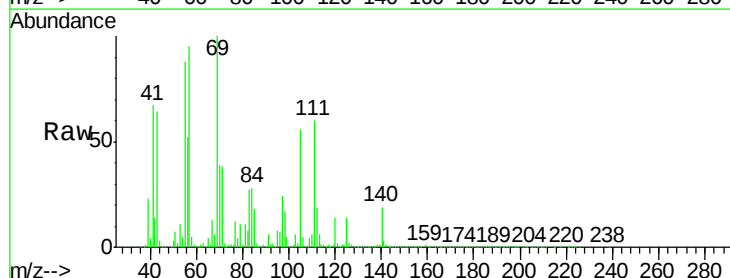
Acq: 06 Jan 2020 19:51

Tgt Ion:105 Resp: 286383

Ion Ratio Lower Upper

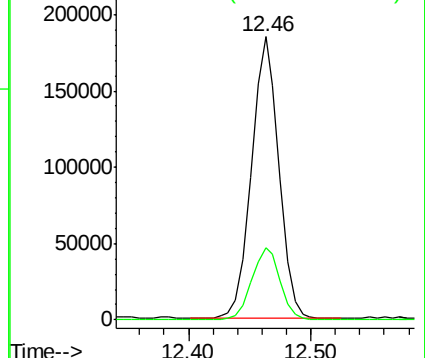
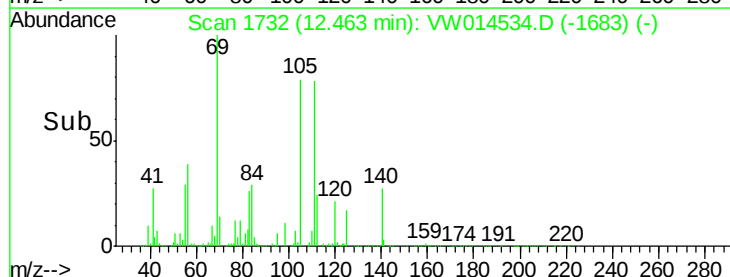
105 100

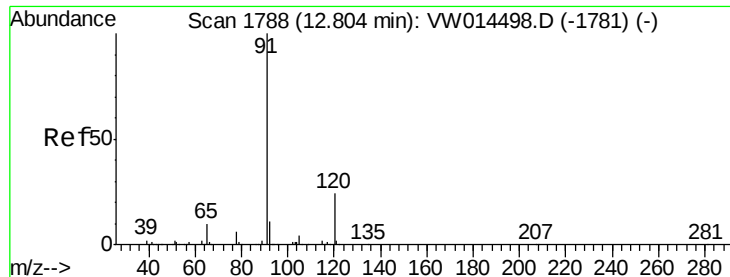
120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 9.056 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

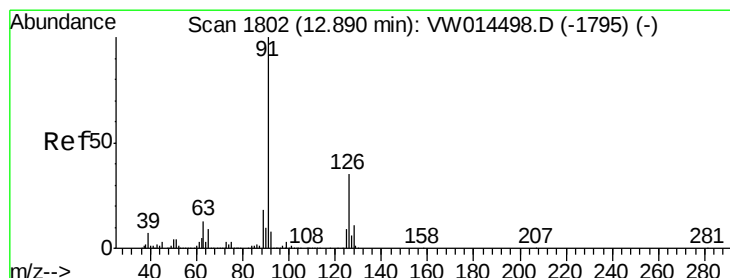
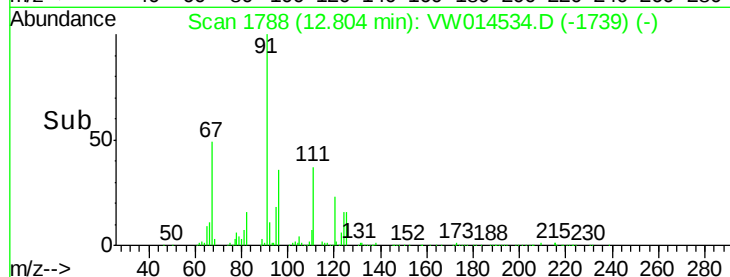
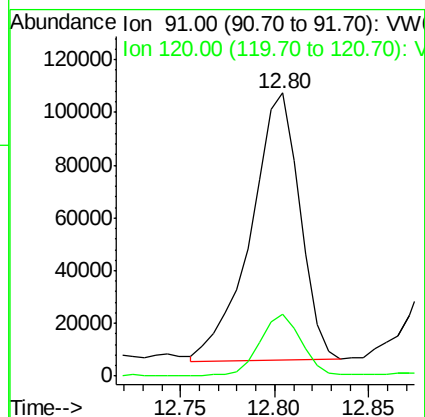
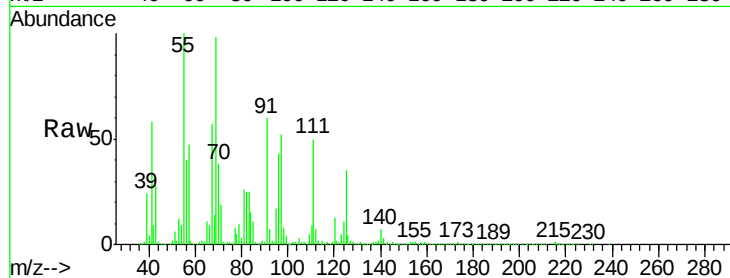
WP022SB455_191227-14-16

Tgt Ion: 91 Resp: 182532

Ion Ratio Lower Upper

91 100

120 19.8 11.7 35.1



#79

2-Chlorotoluene

Concen: 8.755 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014534.D

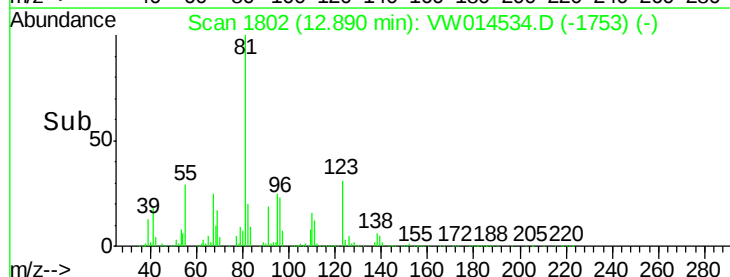
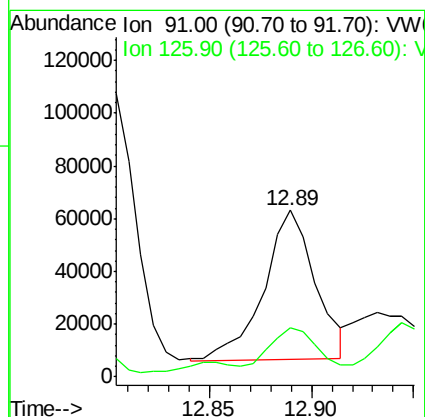
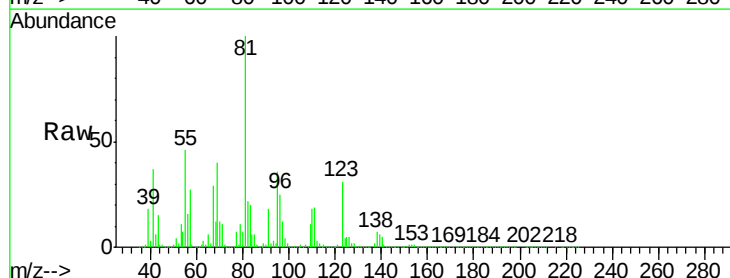
Acq: 06 Jan 2020 19:51

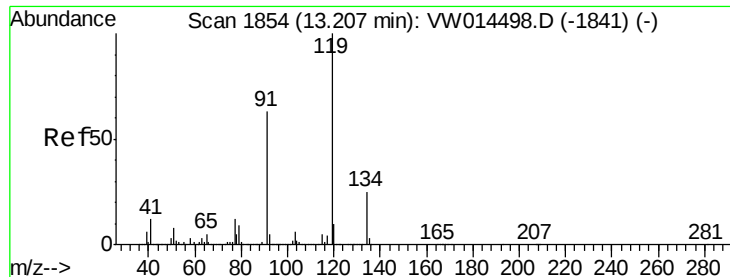
Tgt Ion: 91 Resp: 100420

Ion Ratio Lower Upper

91 100

126 20.1 17.1 51.2

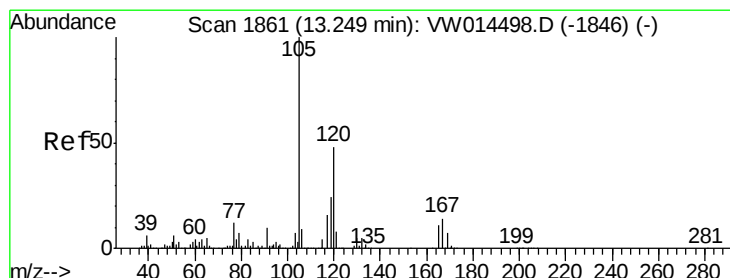
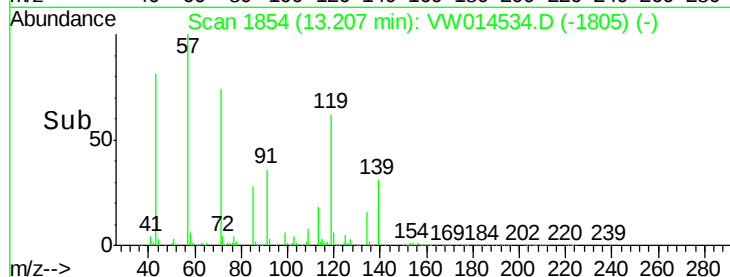
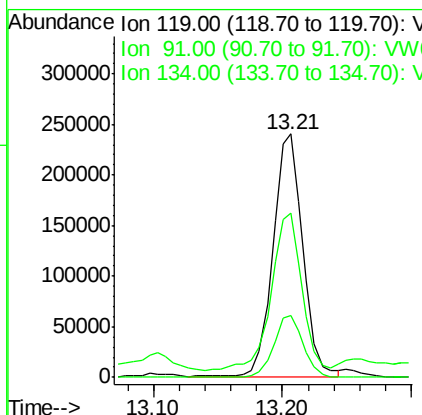
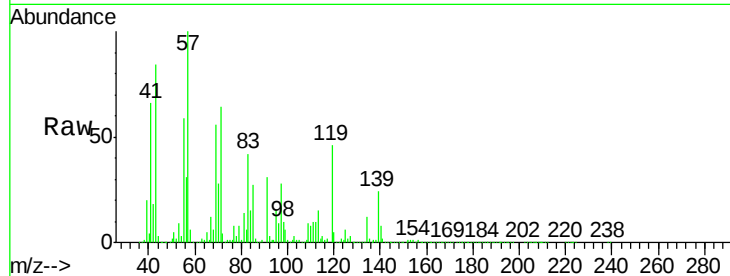




#83
tert-Butylbenzene
Concen: 30.466 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

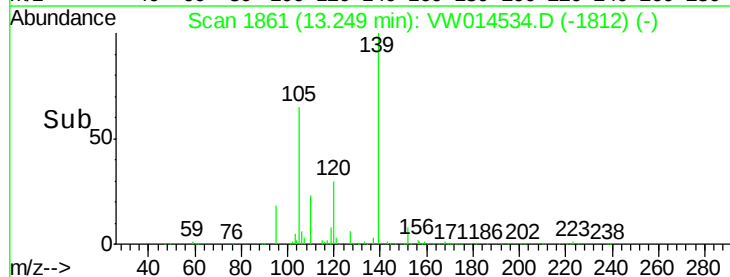
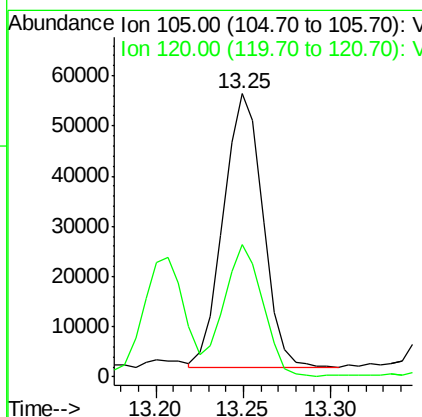
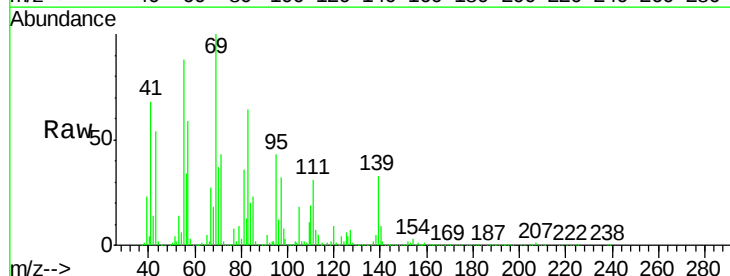
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

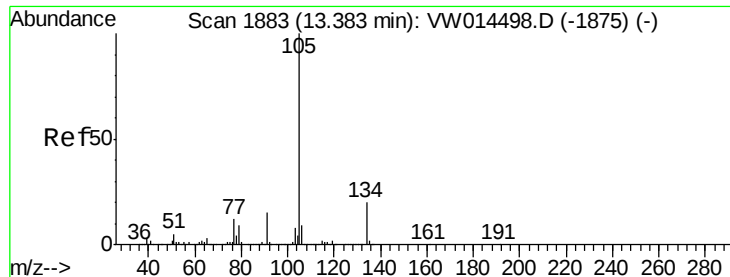
Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.9	31.1	93.3
134	25.2	13.5	40.5



#84
1,2,4-Trimethylbenzene
Concen: 5.931 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.0

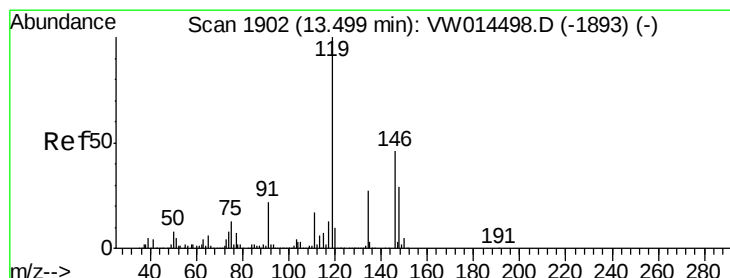
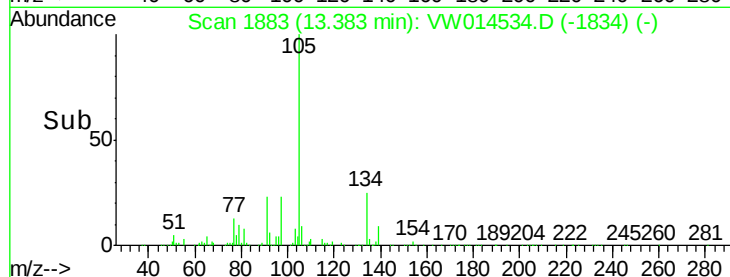
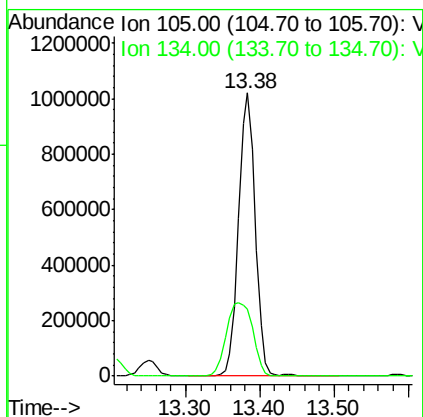
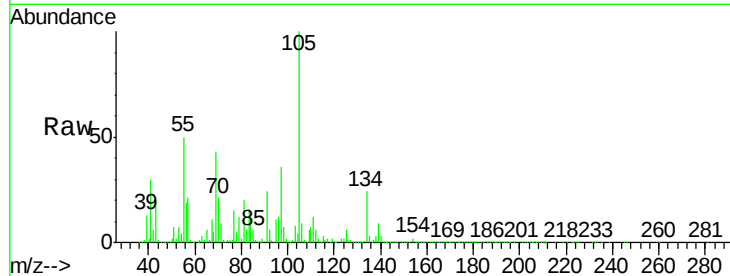




#85
 sec-Butylbenzene
 Concen: 91.712 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

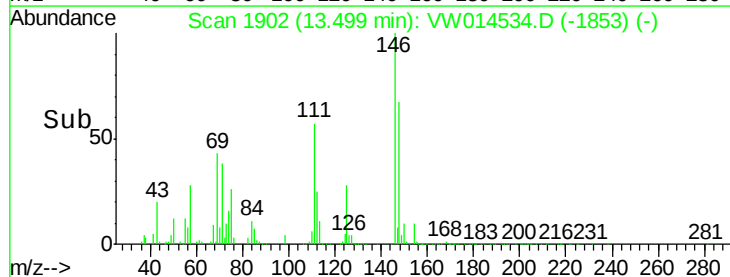
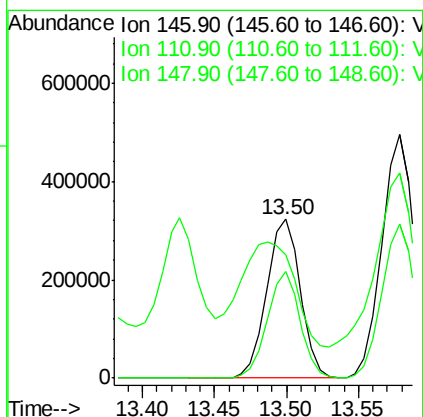
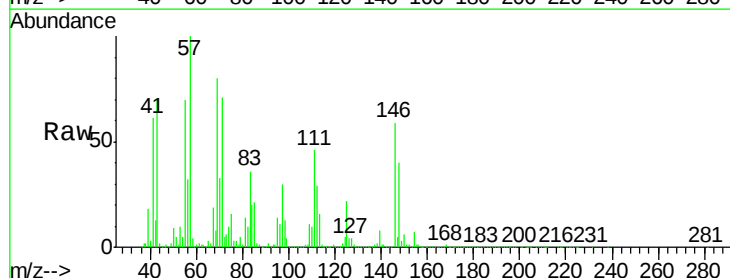
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

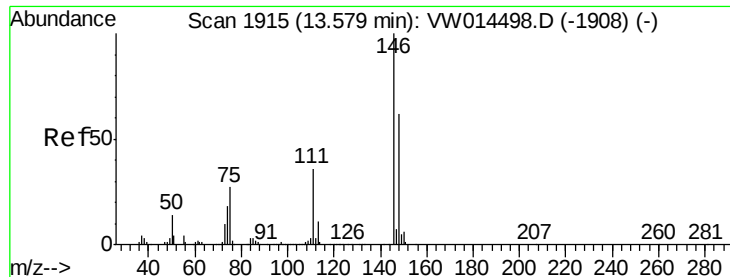
Tgt Ion:105 Resp: 1599632
 Ion Ratio Lower Upper
 105 100
 134 41.2 10.2 30.6#



#87
 1,3-Dichlorobenzene
 Concen: 67.731 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion:146 Resp: 524350
 Ion Ratio Lower Upper
 146 100
 111 106.7 19.3 57.9#
 148 65.1 31.8 95.4

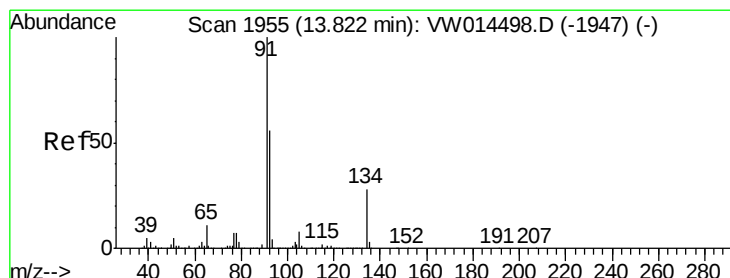
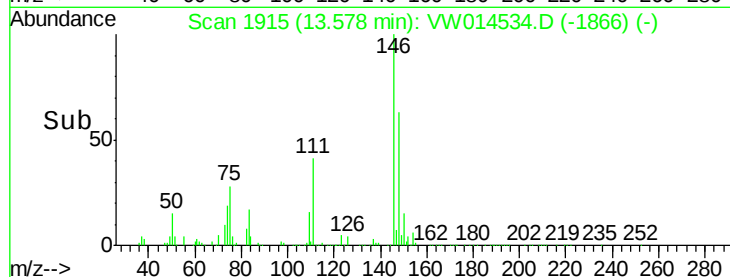
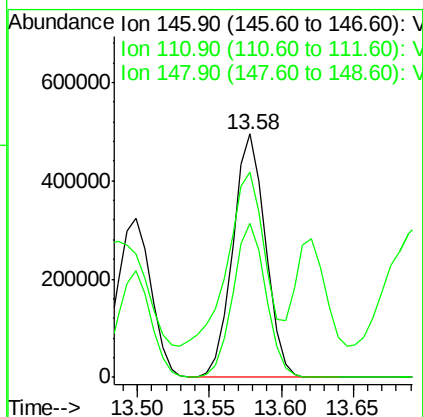
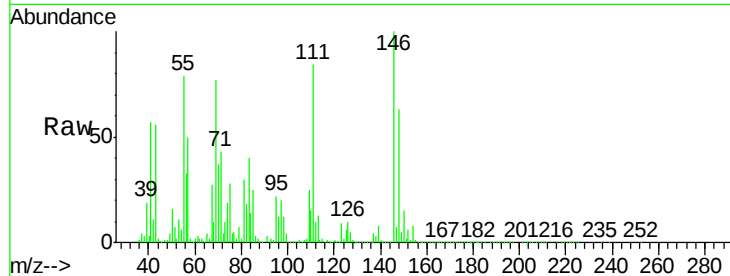




#88
 1,4-Dichlorobenzene
 Concen: 102.143 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Tgt Ion:146 Resp: 780674
 Ion Ratio Lower Upper
 146 100
 111 81.4 18.7 56.1#
 148 63.9 31.7 95.1



#89
 n-Butylbenzene
 Concen: 99.361 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion: 91 Resp: 1466918
 Ion Ratio Lower Upper
 91 100
 92 51.7 27.5 82.5
 134 37.7 13.7 41.1

