

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 02:43:38 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						
33) 1,2-Dichloroethane-d4	8.30	65	247084	57.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.84%	
35) Dibromofluoromethane	7.88	113	238953	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
50) Toluene-d8	10.32	98	935352	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	335895	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	

Target Compounds					Qvalue
11) Tert butyl alcohol	5.17	59	2705	Below Cal	# 73
15) Acrylonitrile	5.43	53	7188	6.369	ug/l # 45
16) Acetone	4.12	43	76831	63.783	ug/l 99
17) Carbon Disulfide	4.38	76	63042	4.308	ug/l 97
20) Methylene Chloride	4.92	84	33943	2.692	ug/l 93
25) 2-Butanone	7.16	43	21469	13.888	ug/l # 87
31) Cyclohexane	7.95	56	657696	72.239	ug/l 95
36) 1,1-Dichloropropene	7.95	75	35422	4.782	ug/l # 74
37) Ethyl Acetate	7.16	43	21469	6.390	ug/l # 78
38) Carbon Tetrachloride	7.95	117	44380	6.906	ug/l # 17
39) Methylcyclohexane	9.34	83	1348534	141.860	ug/l 97
40) Benzene	8.32	78	25576	1.220	ug/l 95
43) Isopropyl Acetate	8.42	43	67012	10.985	ug/l # 51
45) 1,2-Dichloropropane	9.33	63	12389	2.409	ug/l # 1
47) Bromodichloromethane	9.76	83	15981	2.549	ug/l # 50
48) Methyl methacrylate	9.51	41	51151	17.173	ug/l # 44
49) 1,4-Dioxane	9.39	88	69	1.453	ug/l # 1
51) 4-Methyl-2-Pentanone	10.25	43	42903	13.543	ug/l # 78
52) Toluene	10.38	92	16256	1.233	ug/l 93
55) 1,1,2-Trichloroethane	10.76	97	197619	53.295	ug/l # 22
56) Ethyl methacrylate	10.66	69	84026	17.436	ug/l # 15
59) 2-Hexanone	10.93	43	336301	154.051	ug/l # 27
65) Chlorobenzene	11.66	112	8767894	750.799	ug/l 94
67) Ethyl Benzene	11.73	91	51107	2.428	ug/l 90
68) m/p-Xylenes	11.84	106	9660	1.199	ug/l # 2
69) o-Xylene	12.16	106	40750	5.477	ug/l 71
71) Bromoform	12.32	173	2264	1.056	ug/l # 55
73) Isopropylbenzene	12.46	105	286383	16.707	ug/l 99
74) N-amyl acetate	12.25	43	2069001	538.326	ug/l # 62
75) 1,1,2,2-Tetrachloroethane	12.69	83	149308	48.259	ug/l # 39
76) 1,2,3-Trichloropropane	12.62	75	109009	49.353	ug/l # 100
78) n-propylbenzene	12.80	91	182532	9.056	ug/l 93
79) 2-Chlorotoluene	12.89	91	100420	8.755	ug/l 76
80) 1,3,5-Trimethylbenzene	13.10	105	266295	18.503	ug/l 71

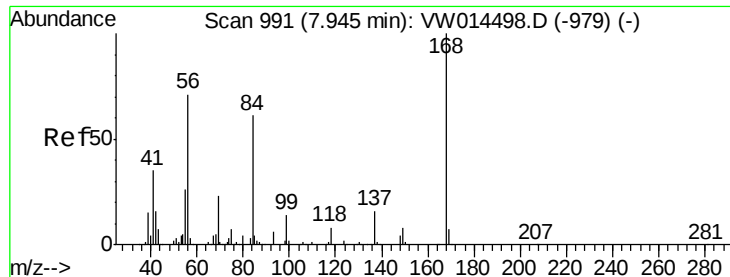
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.62	75	109009	109.961	ug/l #	50
82) 4-Chlorotoluene	12.89	91	100070	8.397	ug/l	84
83) tert-Butylbenzene	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
86) p-Isopropyltoluene	13.65	119	711004	44.722	ug/l	94
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
90) Hexachloroethane	14.10	117	166513	59.955	ug/l #	6
91) 1,2-Dichlorobenzene	13.87	146	307544	45.198	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10552	21.537	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.13	180	20193	4.395	ug/l #	1
95) Naphthalene	15.34	128	27615	3.524	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.58	180	7525	1.879	ug/l #	47

(#) = 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

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MSVOA_W

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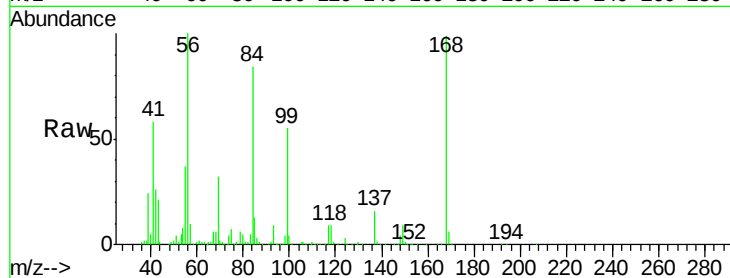
WP022SB455_191227-14-16

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

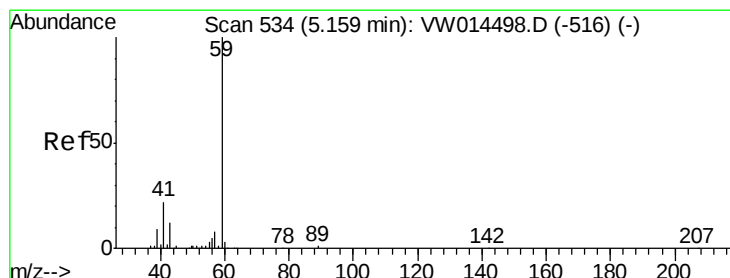
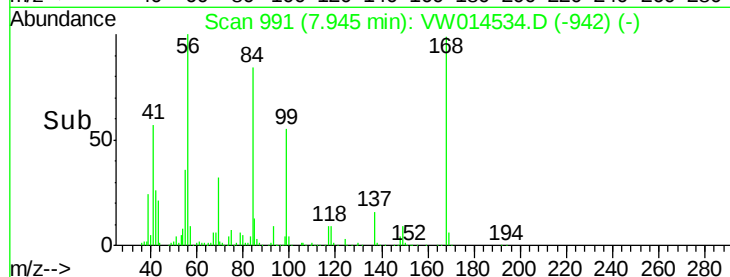
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014534.D

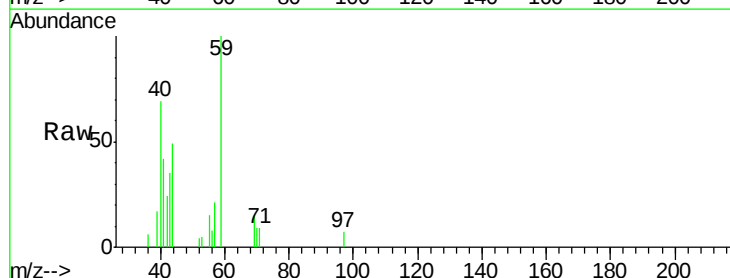
Acq: 06 Jan 2020 19:51

Tgt Ion: 59 Resp: 2705

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

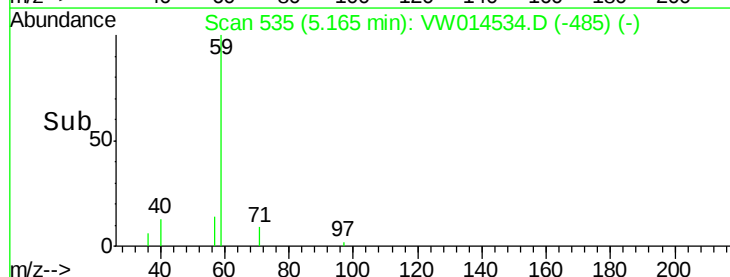
5.17

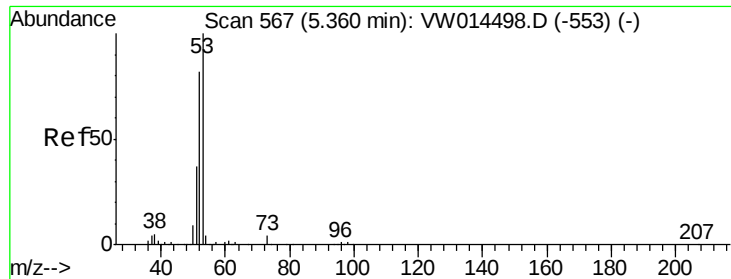
1000

500

0

Time--> 5.05 5.10 5.15 5.20





#15

Acrylonitrile

Concen: 6.369 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.07 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

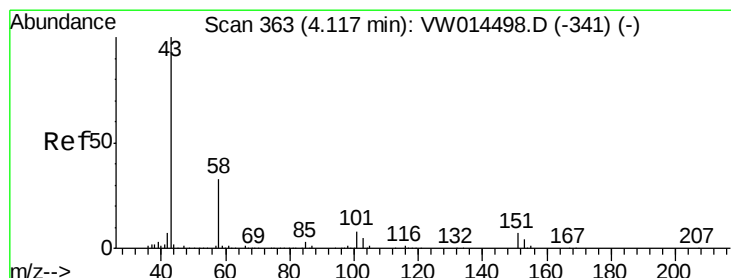
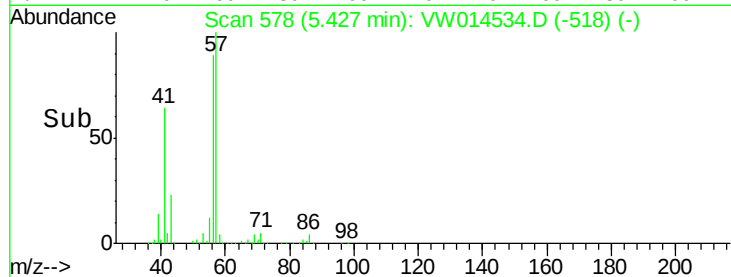
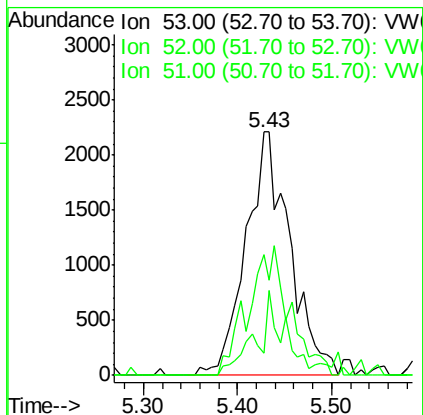
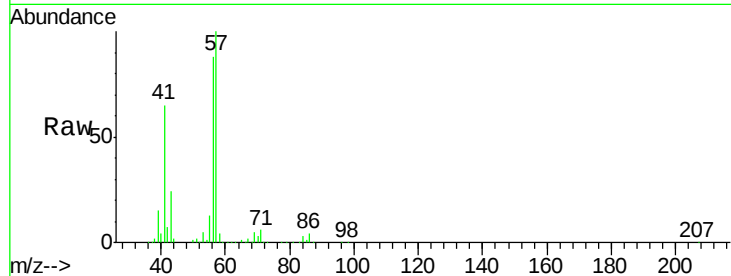
Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion:	53	Resp:	7188
Ion	Ratio	Lower	Upper
53	100		
52	22.6	66.5	99.7#
51	50.4	28.4	42.6#



#16

Acetone

Concen: 63.783 ug/l

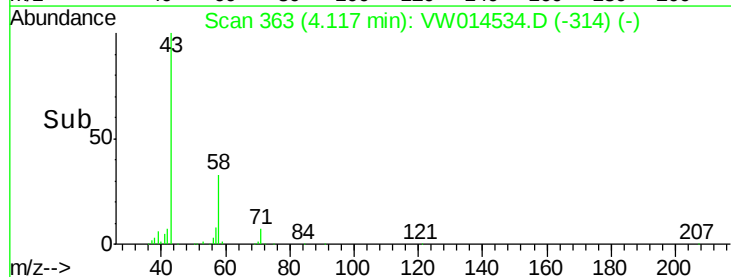
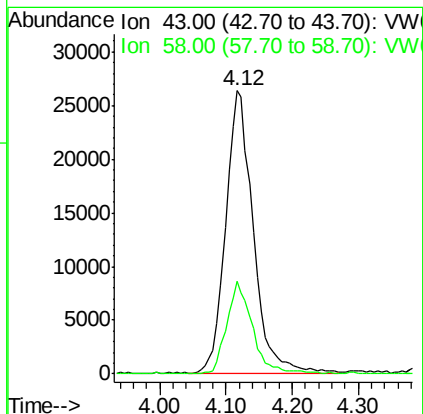
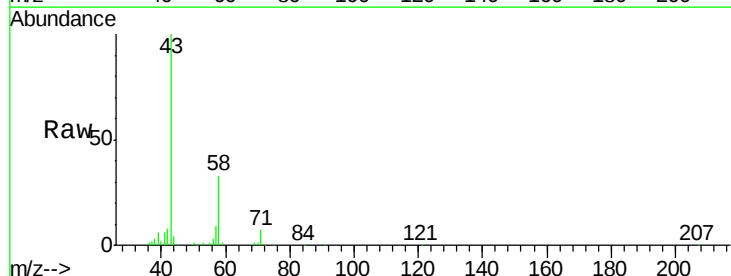
RT: 4.12 min Scan# 363

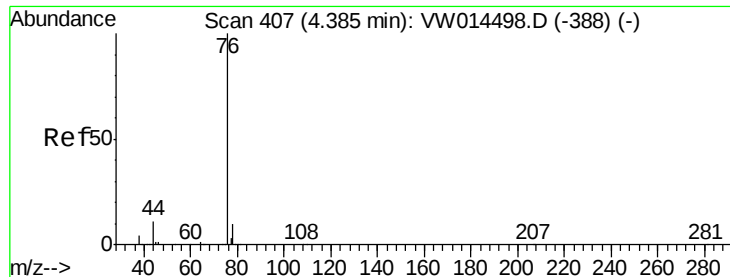
Delta R.T. -0.00 min

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





#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 :

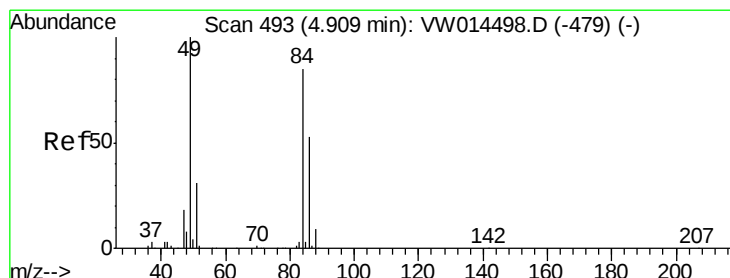
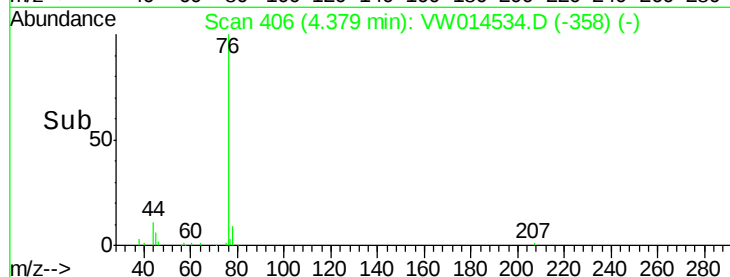
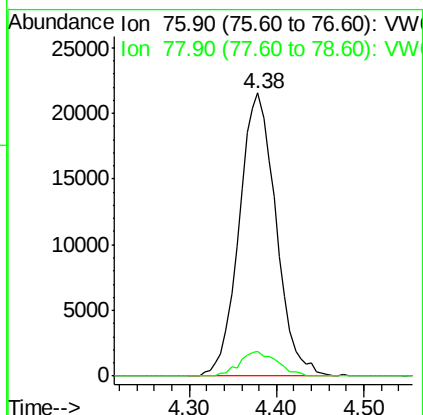
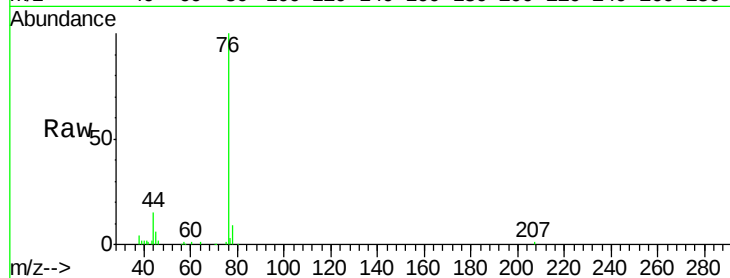
WP022SB455_191227-14-16

Tgt Ion: 76 Resp: 63042

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6



#20

Methylene Chloride

Concen: 2.692 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Tgt Ion: 84 Resp: 33943

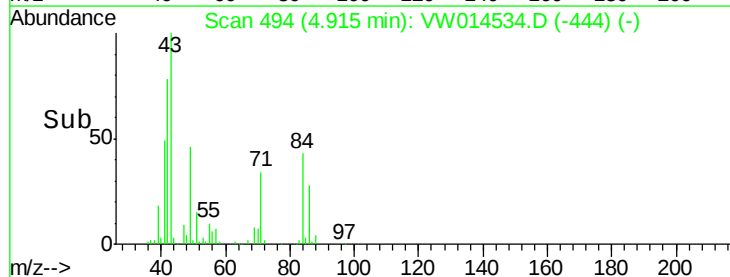
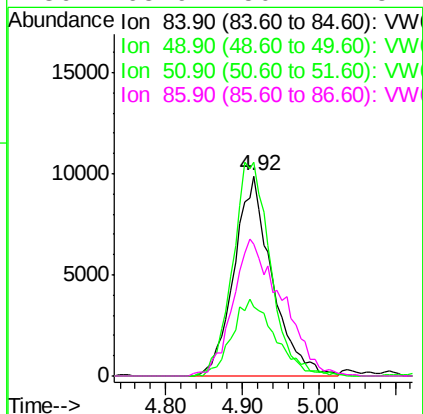
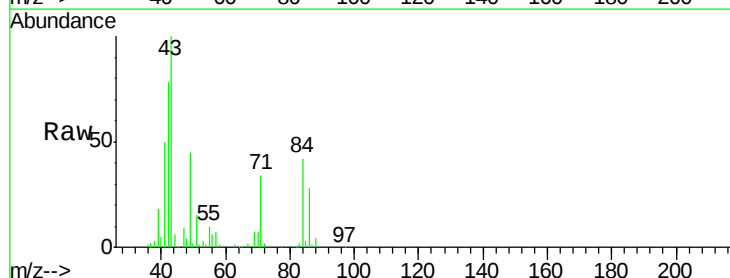
Ion Ratio Lower Upper

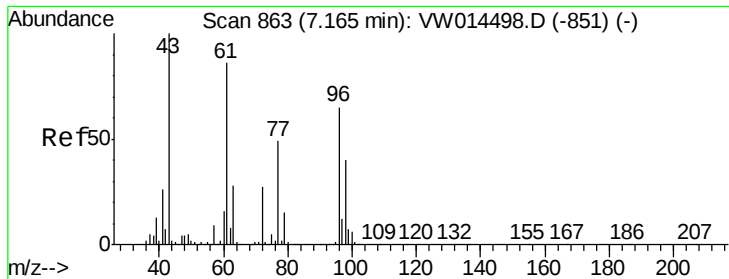
84 100

49 106.8 94.4 141.6

51 34.9 29.5 44.3

86 65.9 50.2 75.2





#25

2-Butanone

Concen: 13.888 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

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ClientSampleId :

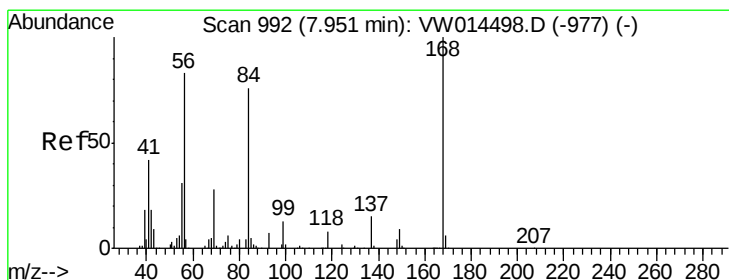
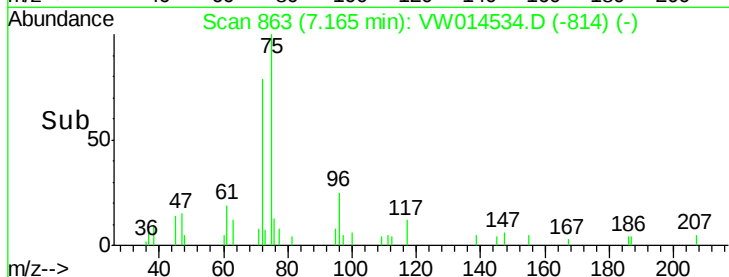
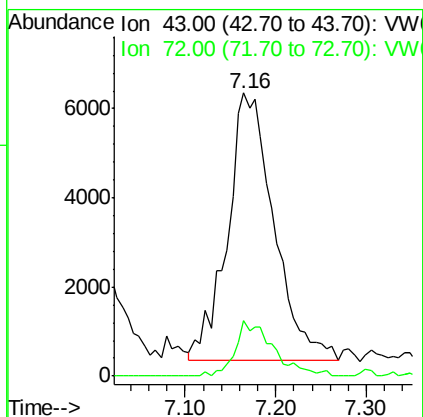
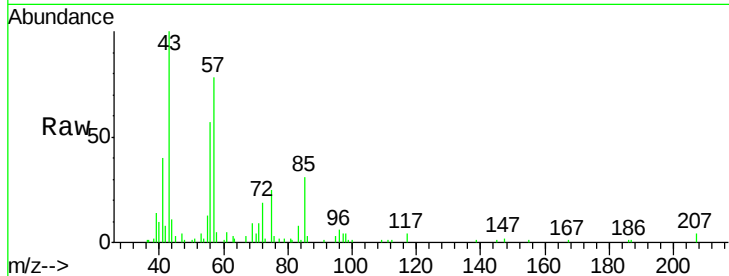
WP022SB455_191227-14-16

Tgt Ion: 43 Resp: 21469

Ion Ratio Lower Upper

43 100

72 20.6 21.9 32.9#



#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

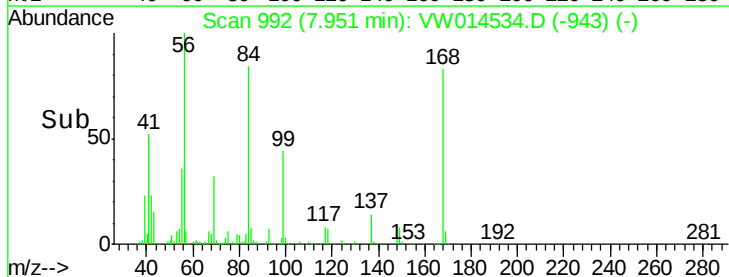
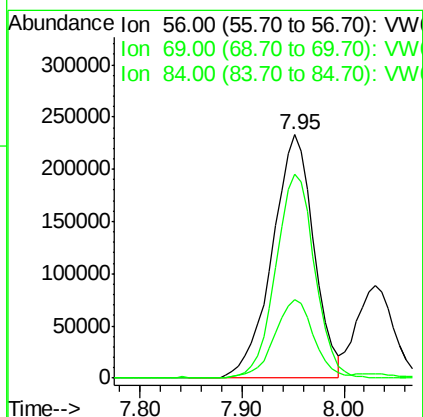
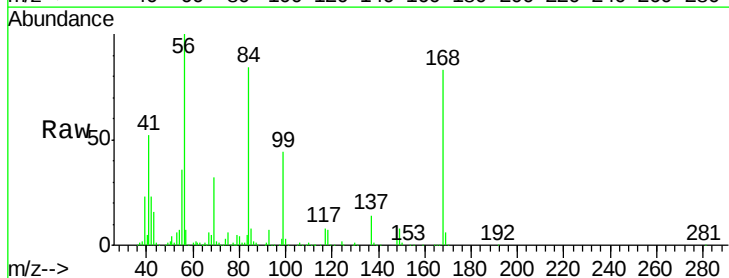
Tgt Ion: 56 Resp: 657696

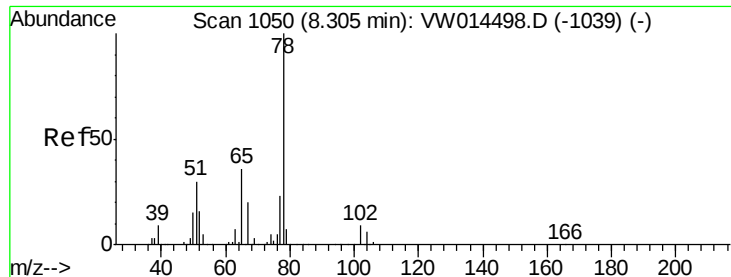
Ion Ratio Lower Upper

56 100

69 31.9 26.8 40.2

84 83.7 71.8 107.6

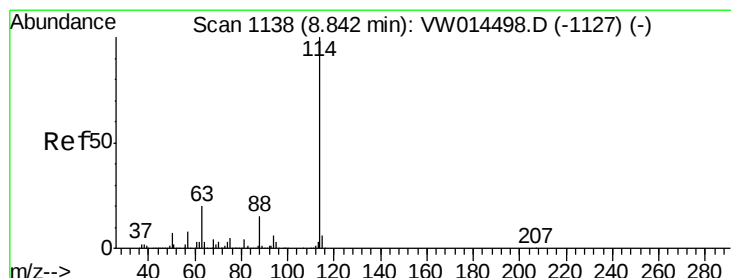
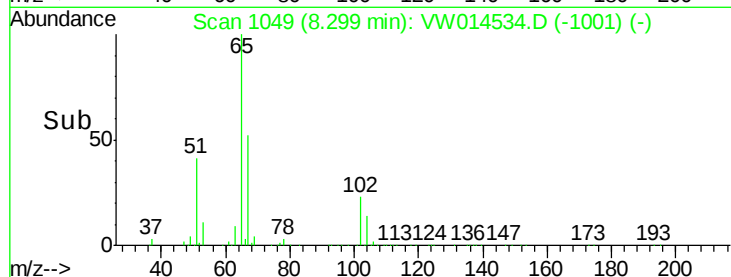
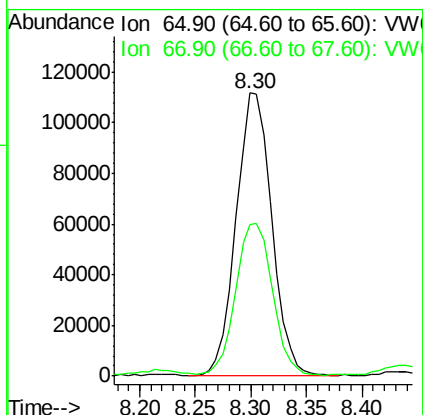
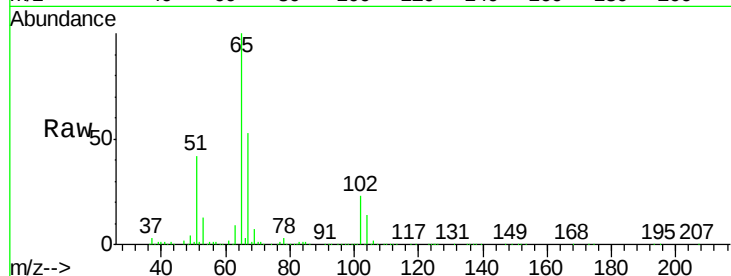




#33
 1,2-Dichloroethane-d4
 Concen: 57.920 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

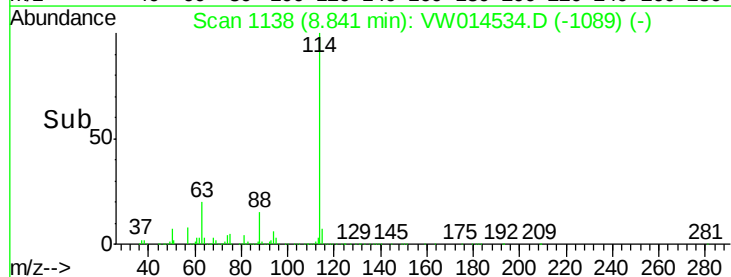
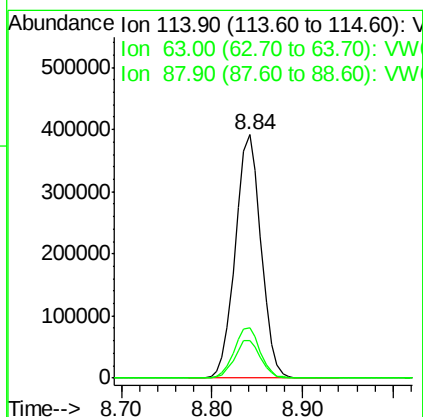
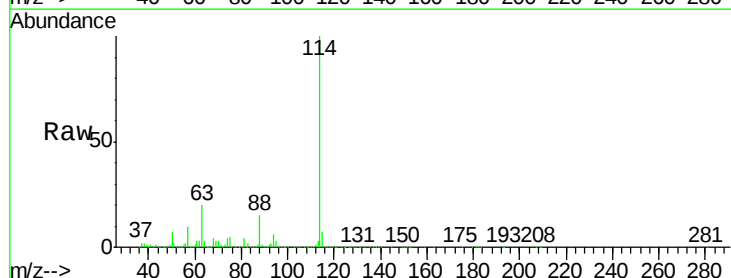
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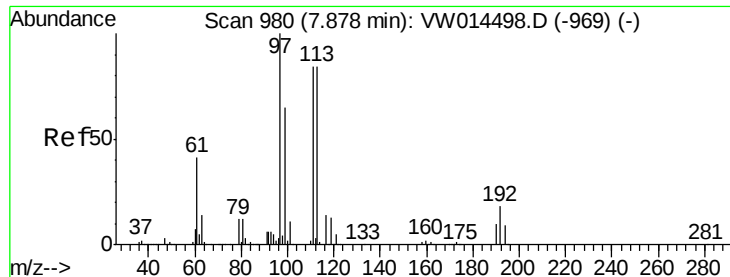
Tgt Ion: 65 Resp: 247084
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 108.4



#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

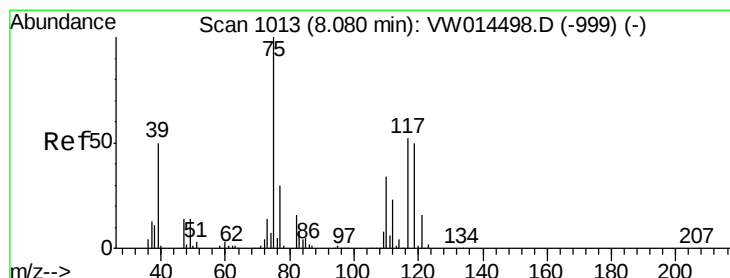
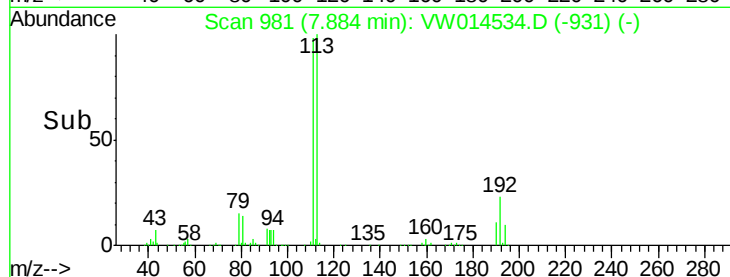
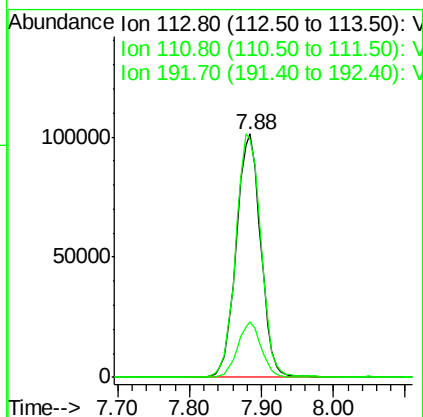
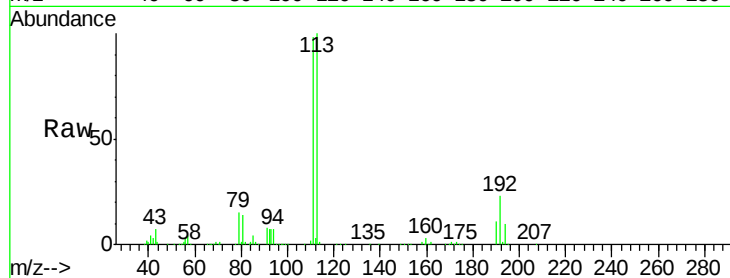




#35
Dibromofluoromethane
Concen: 54.414 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

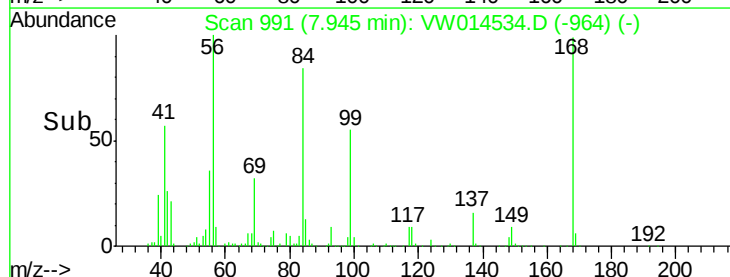
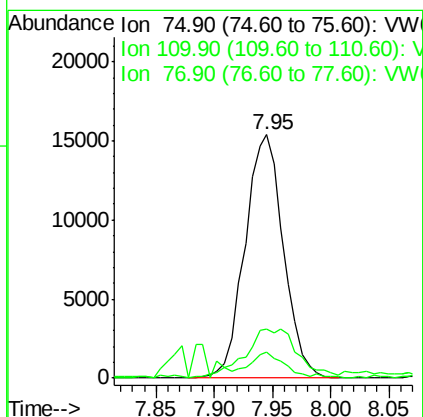
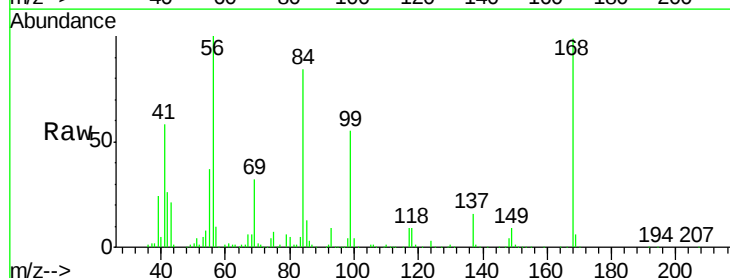
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WP022SB455_191227-14-16

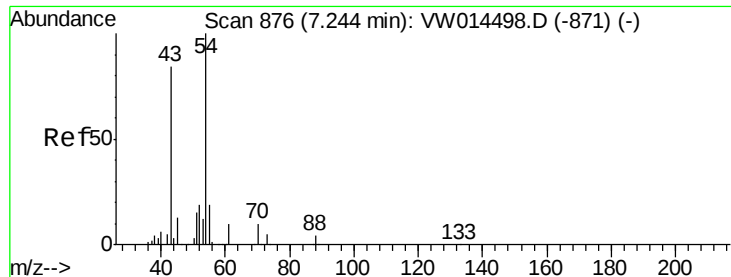
Tgt Ion: 113 Resp: 238953
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.2
192 21.8 17.8 26.8



#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion: 75 Resp: 35422
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 27.8 24.7 37.1





#37

Ethyl Acetate

Concen: 6.390 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.08 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

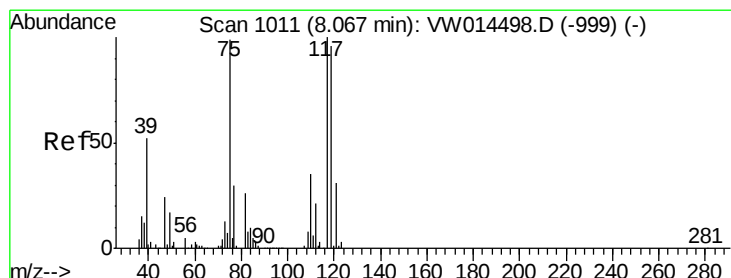
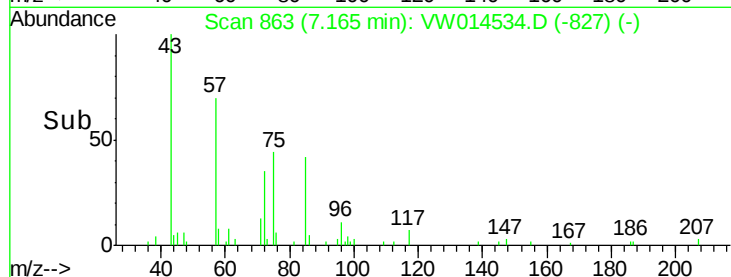
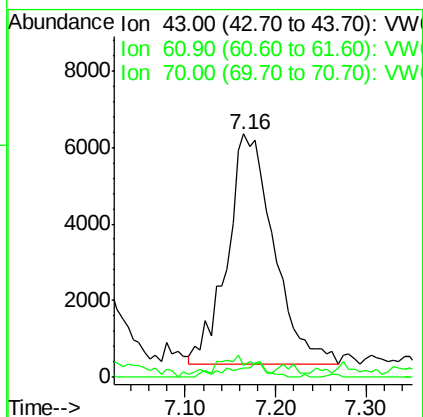
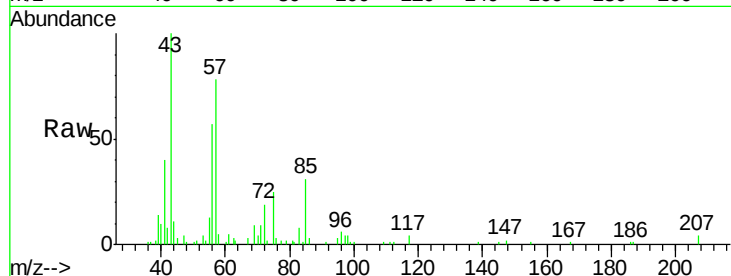
Tgt Ion: 43 Resp: 21469

Ion Ratio Lower Upper

43 100

61 7.7 11.7 17.5#

70 0.0 9.0 13.6#



#38

Carbon Tetrachloride

Concen: 6.906 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

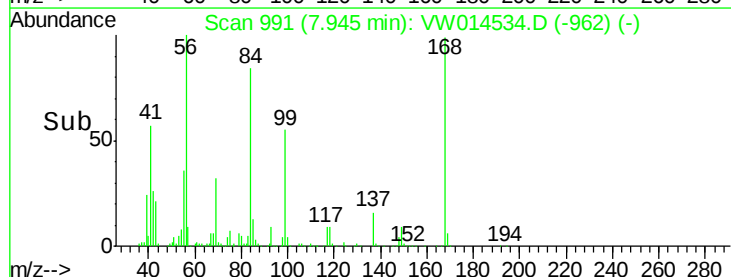
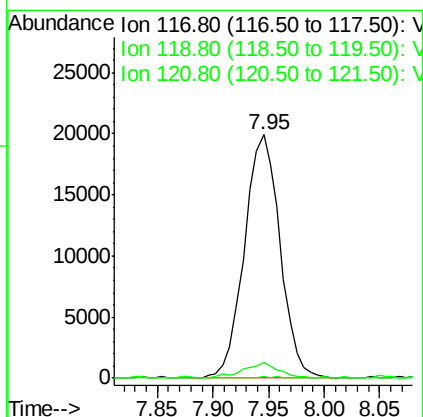
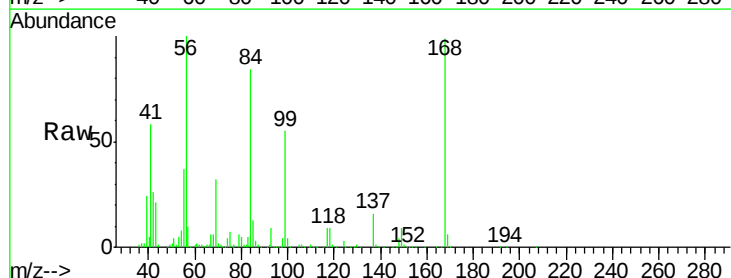
Tgt Ion: 117 Resp: 44380

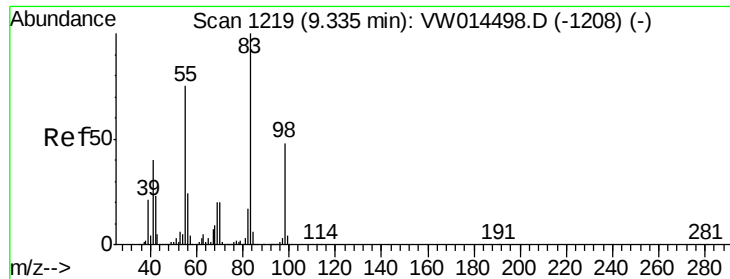
Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.6#

121 0.6 24.6 36.8#

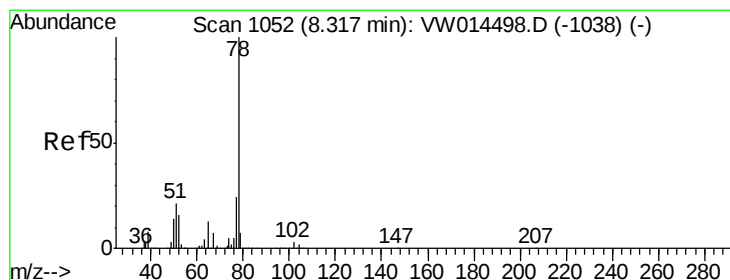
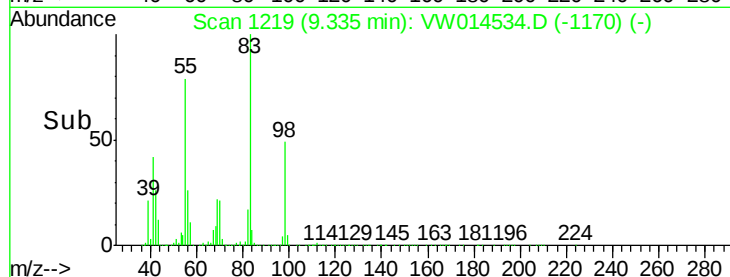
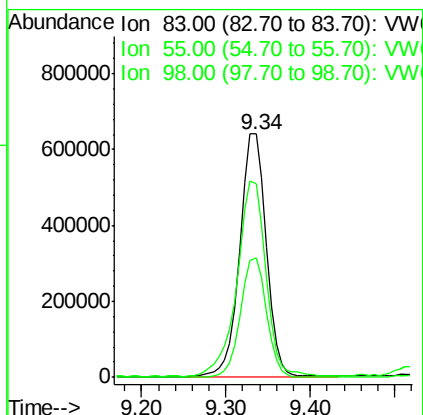
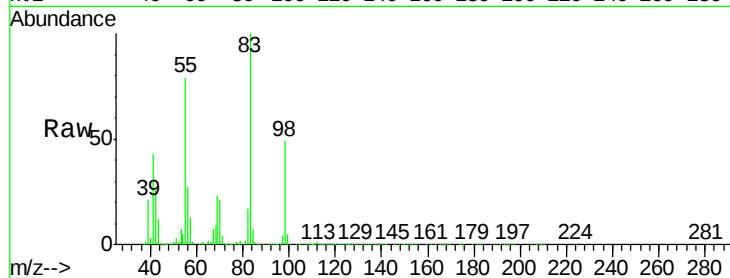




#39
Methylcyclohexane
Concen: 141.860 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

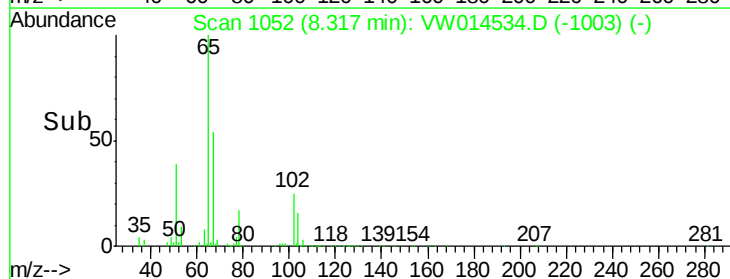
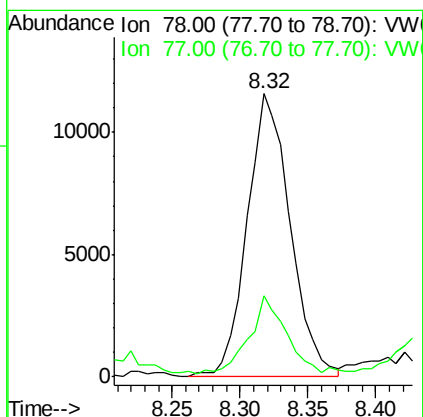
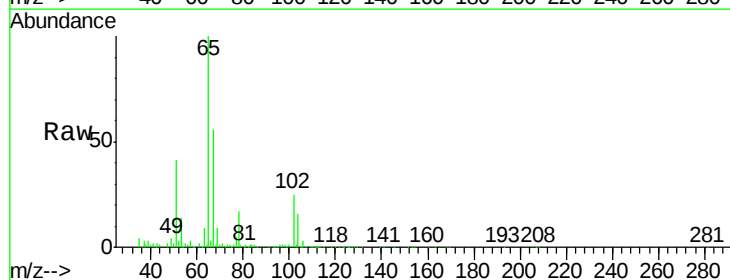
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

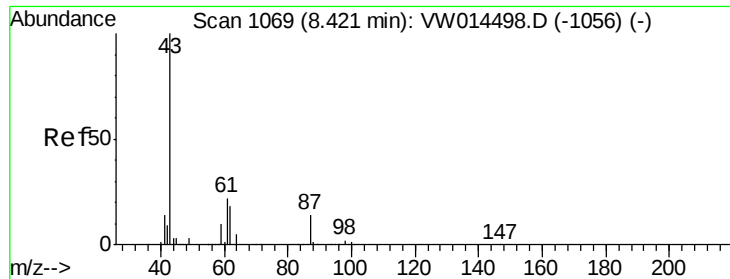
Tgt Ion: 83 Resp: 1348534
Ion Ratio Lower Upper
83 100
55 79.0 60.1 90.1
98 49.2 38.8 58.2



#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

Tgt Ion: 78 Resp: 25576
Ion Ratio Lower Upper
78 100
77 26.6 19.3 28.9





#43

Isopropyl Acetate

Concen: 10.985 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

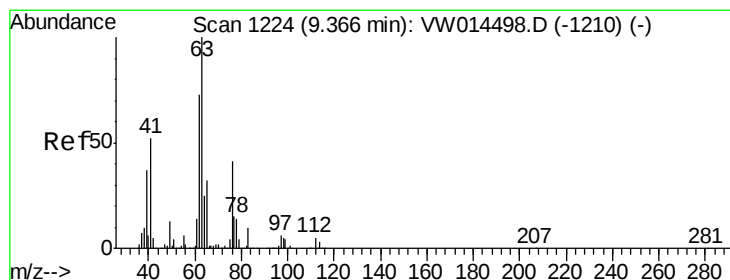
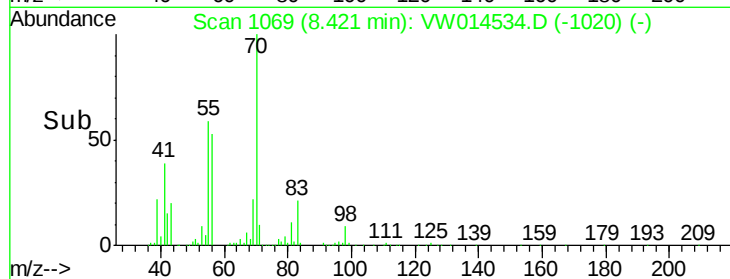
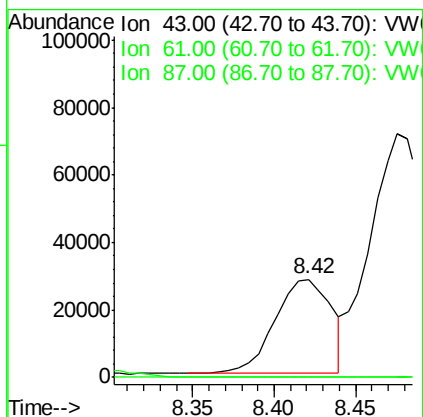
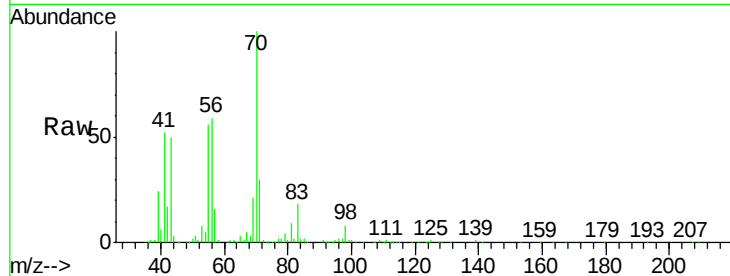
Tgt Ion: 43 Resp: 67012

Ion Ratio Lower Upper

43 100

61 0.4 24.7 37.1#

87 0.0 11.1 16.7#



#45

1,2-Dichloropropane

Concen: 2.409 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.04 min

Lab File: VW014534.D

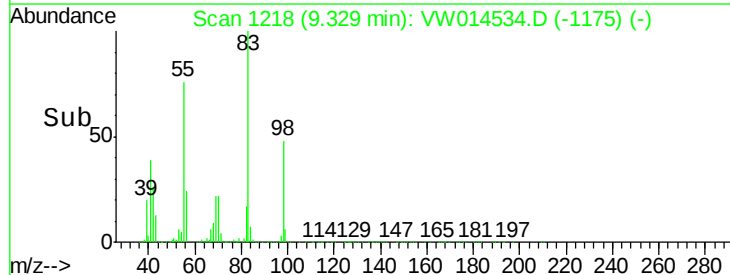
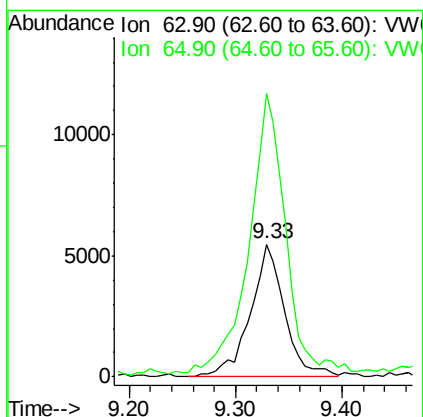
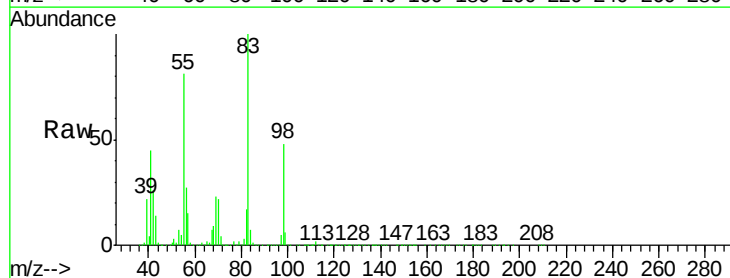
Acq: 06 Jan 2020 19:51

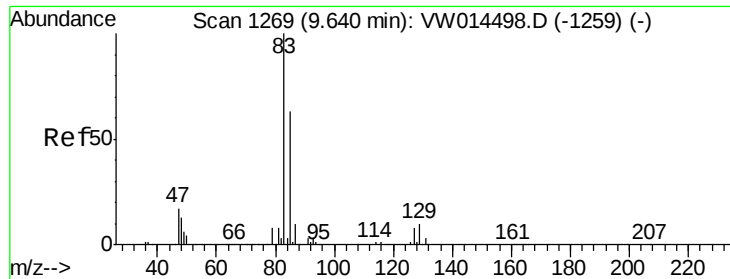
Tgt Ion: 63 Resp: 12389

Ion Ratio Lower Upper

63 100

65 210.5 25.6 38.4#





#47

Bromodichloromethane

Concen: 2.549 ug/l

RT: 9.76 min Scan# 1288

Delta R.T. 0.12 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

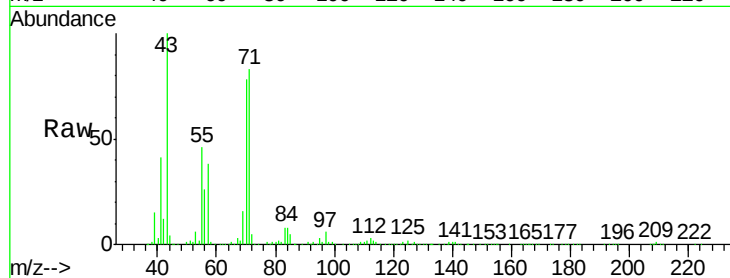
Tgt Ion: 83 Resp: 15981

Ion Ratio Lower Upper

83 100

85 20.1 50.6 76.0#

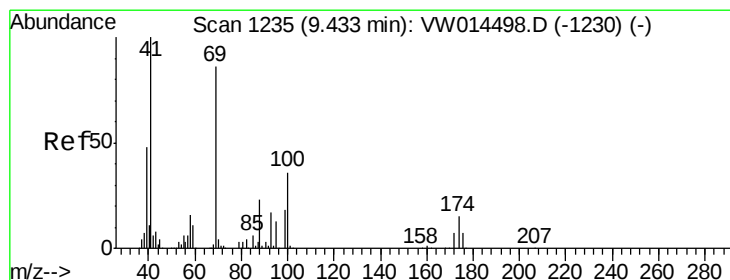
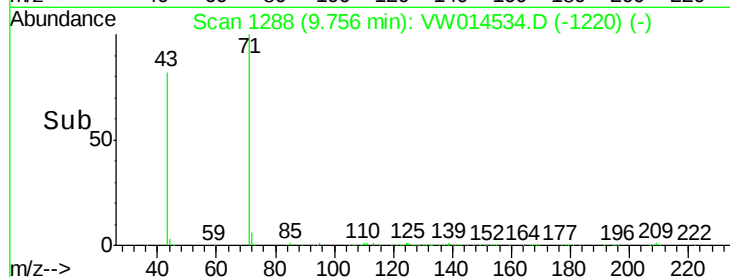
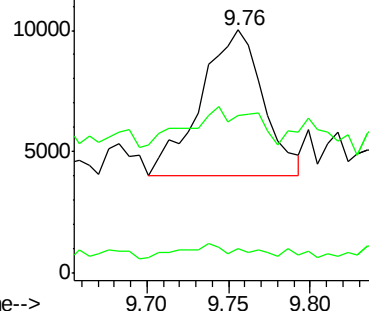
127 5.9 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.173 ug/l

RT: 9.51 min Scan# 1248

Delta R.T. 0.08 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

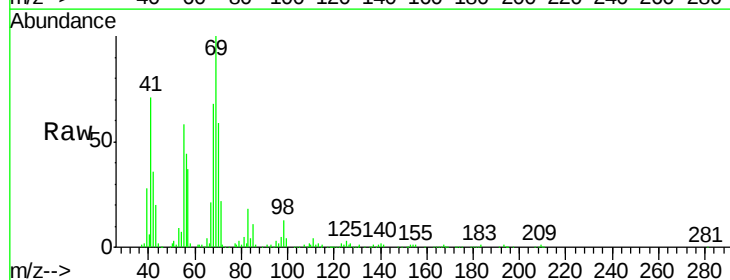
Tgt Ion: 41 Resp: 51151

Ion Ratio Lower Upper

41 100

69 163.3 68.3 102.5#

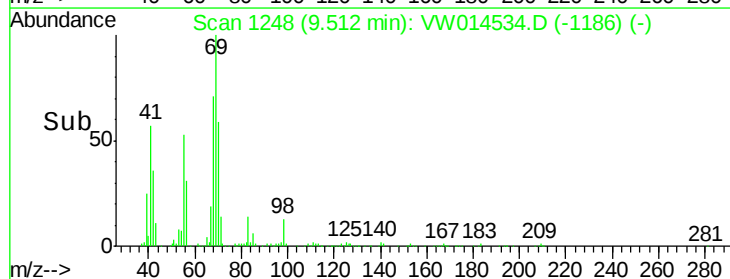
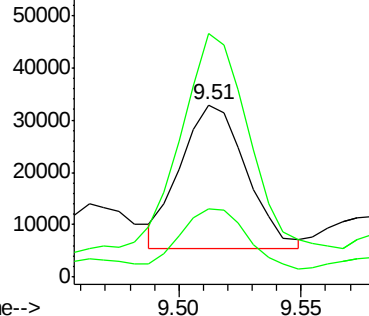
39 47.4 36.8 55.2

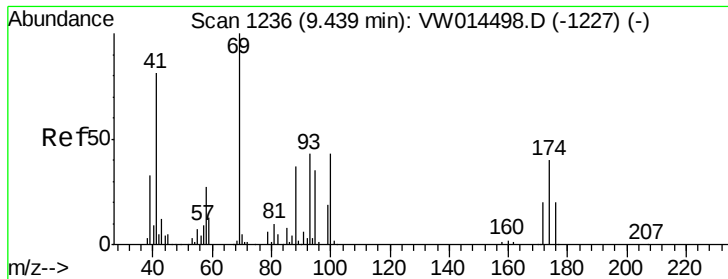


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1.453 ug/l

RT: 9.39 min Scan# 1228

Delta R.T. -0.05 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

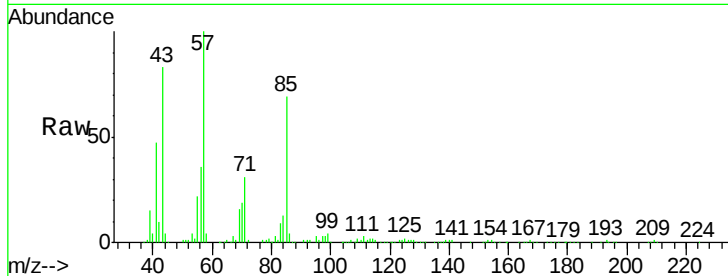
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 139321.7 24.9 37.3#

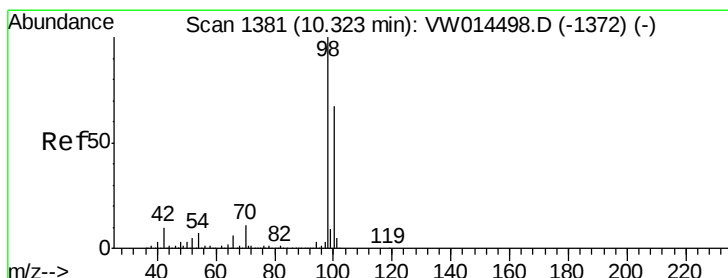
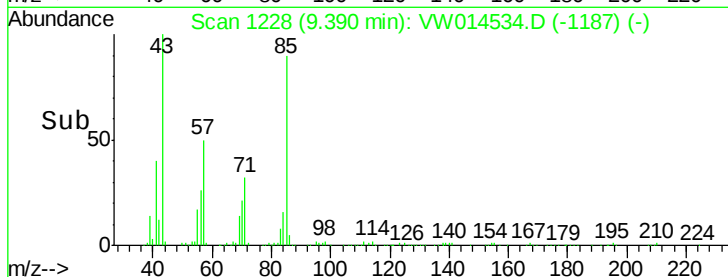
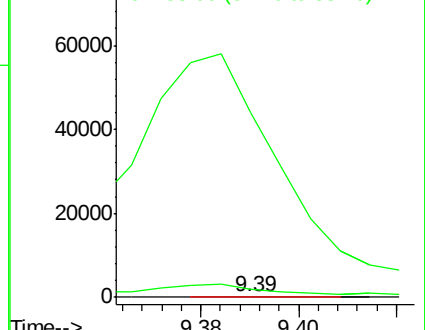
58 5894.2 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.038 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014534.D

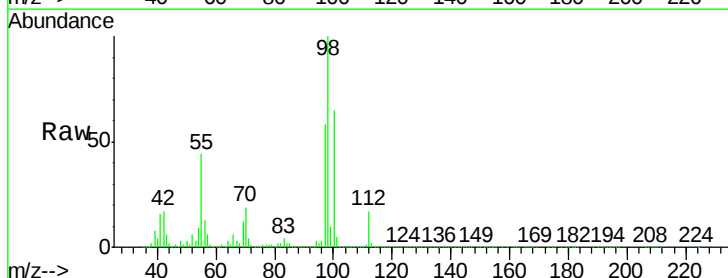
Acq: 06 Jan 2020 19:51

Tgt Ion: 98 Resp: 935352

Ion Ratio Lower Upper

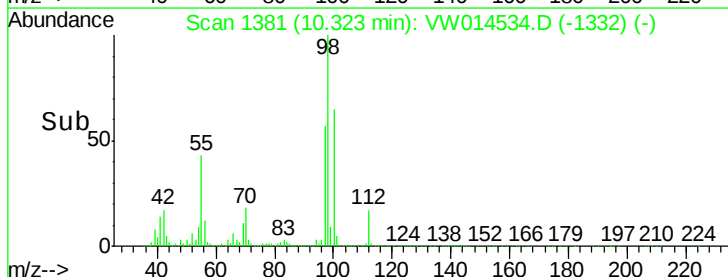
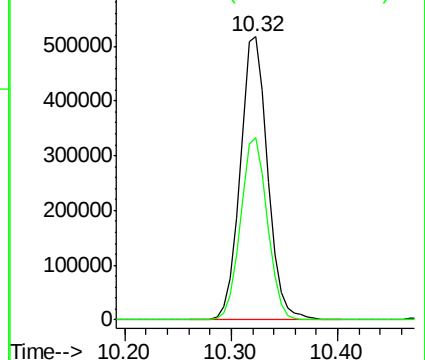
98 100

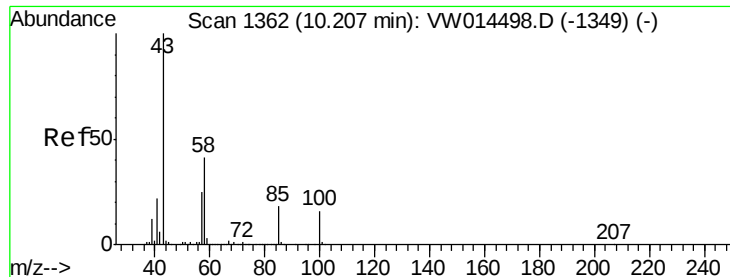
100 62.8 53.8 80.6



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: 13.543 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

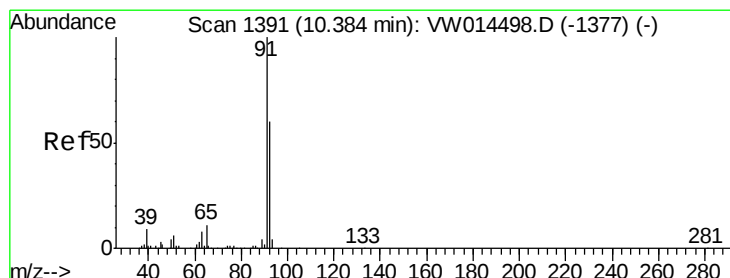
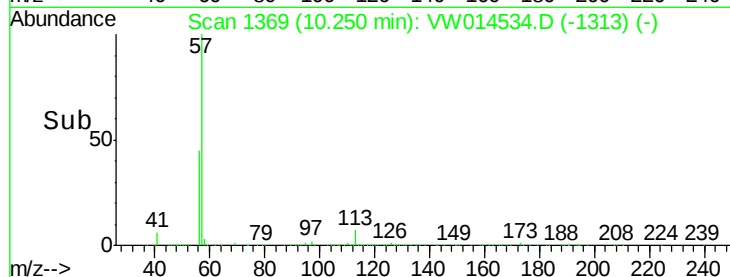
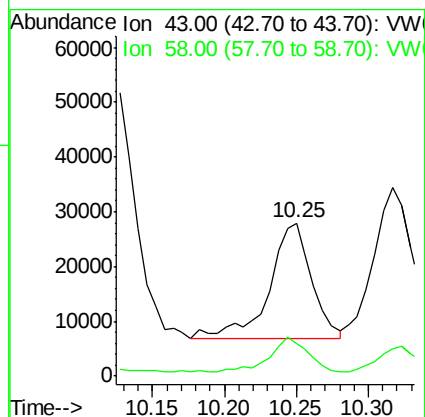
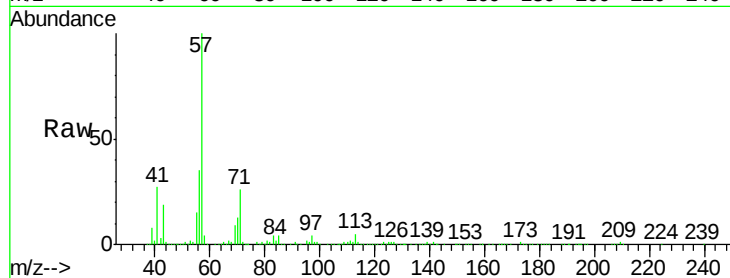
WP022SB455_191227-14-16

Tgt Ion: 43 Resp: 42903

Ion Ratio Lower Upper

43 100

58 27.5 32.7 49.1#



#52

Toluene

Concen: 1.233 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014534.D

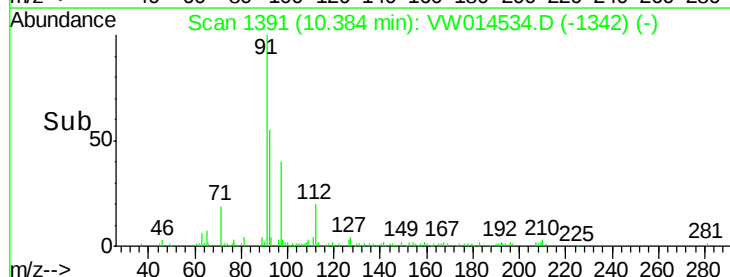
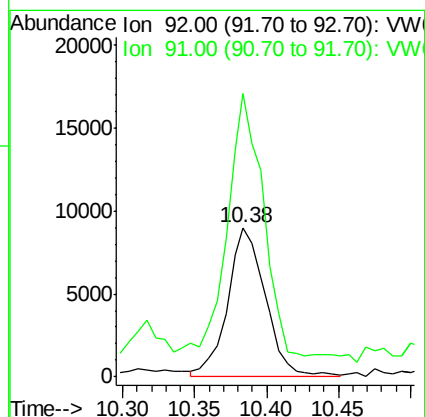
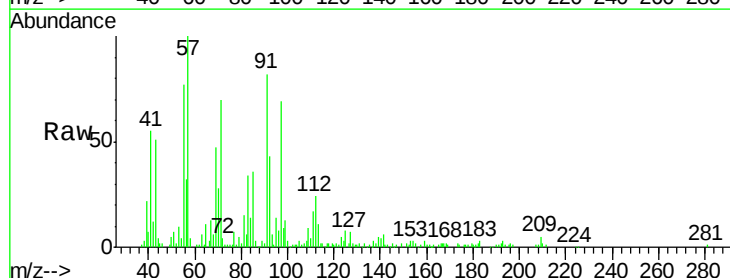
Acq: 06 Jan 2020 19:51

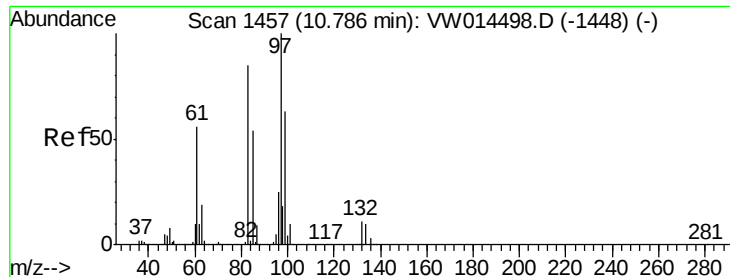
Tgt Ion: 92 Resp: 16256

Ion Ratio Lower Upper

92 100

91 176.6 134.1 201.1

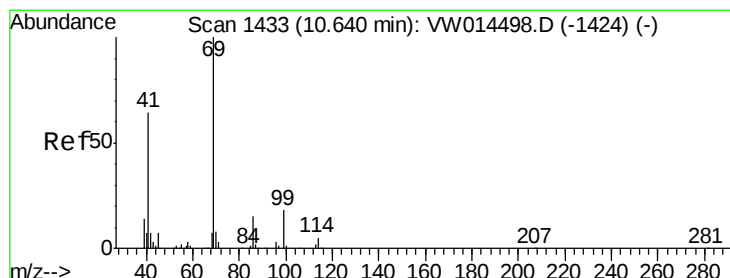
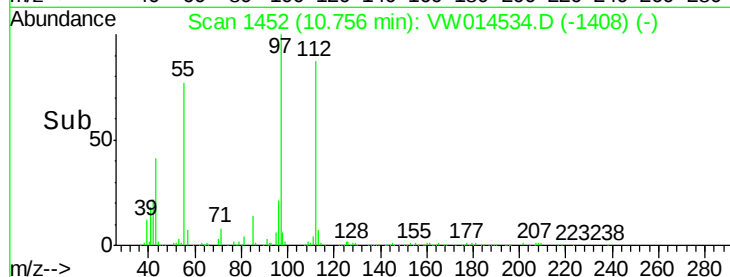
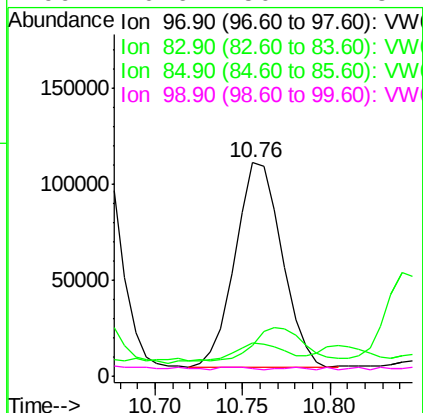
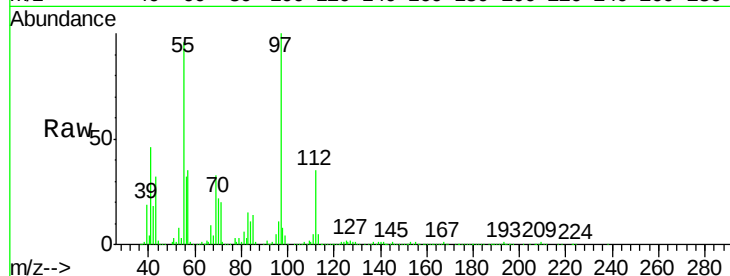




#55
 1,1,2-Trichloroethane
 Concen: 53.295 ug/l
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

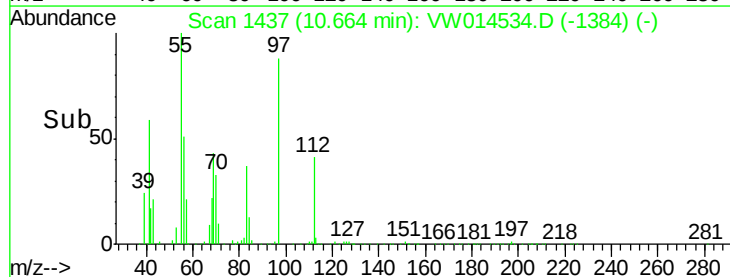
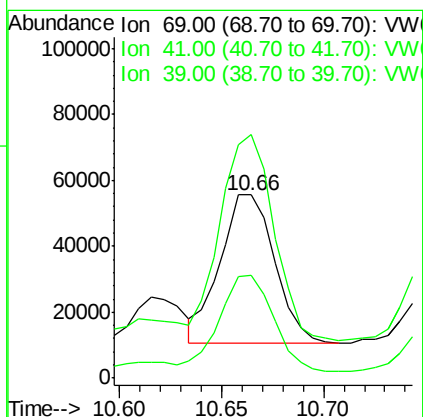
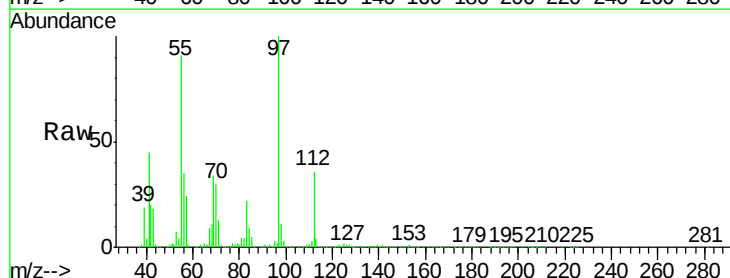
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

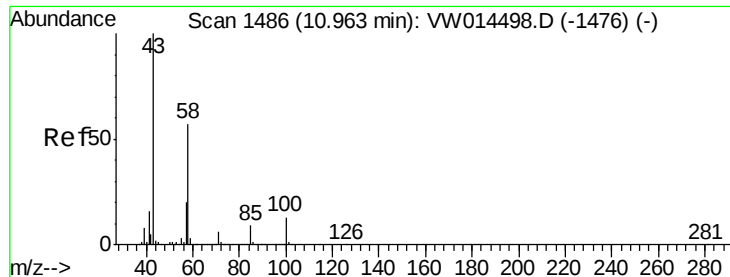
Tgt Ion	Ratio	Lower	Upper
97	100		
83	8.5	68.2	102.4#
85	7.4	43.0	64.4#
99	0.6	50.1	75.1#



#56
 Ethyl methacrylate
 Concen: 17.436 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	135.2	51.3	76.9#
39	63.4	21.0	31.6#

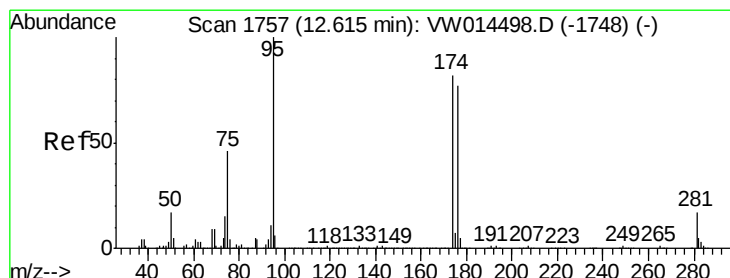
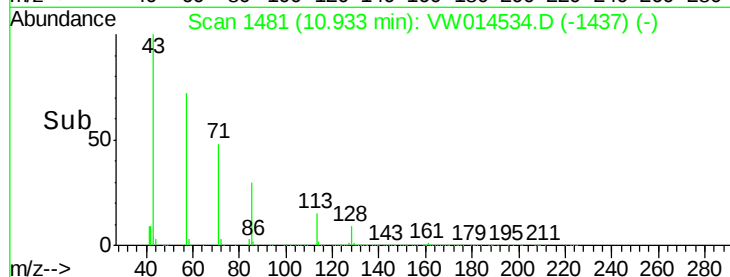
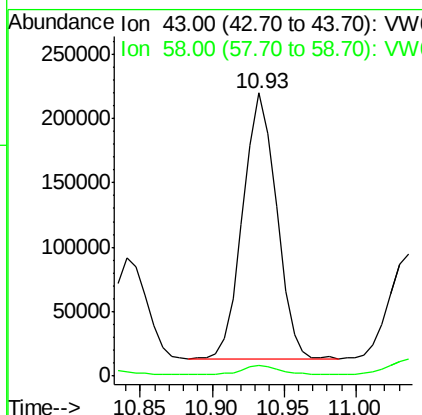
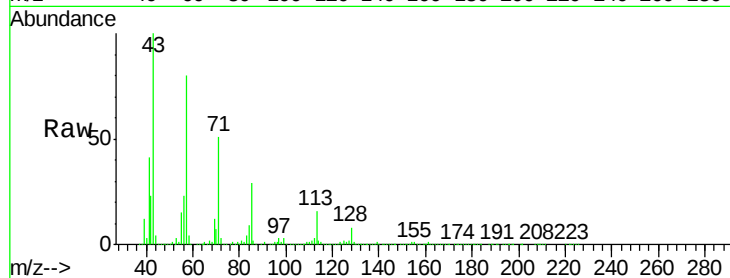




#59
2-Hexanone
Concen: 154.051 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

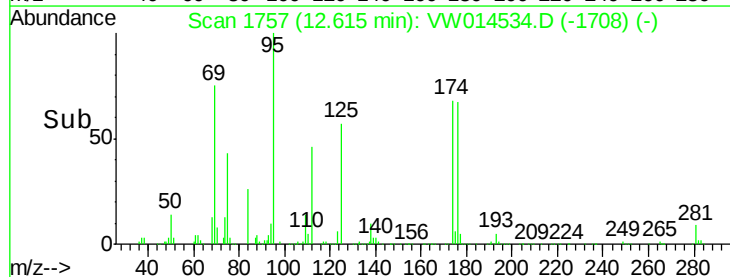
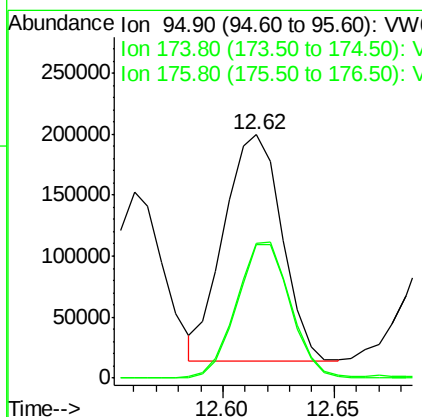
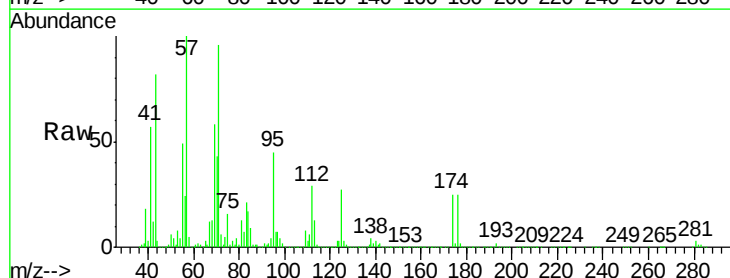
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

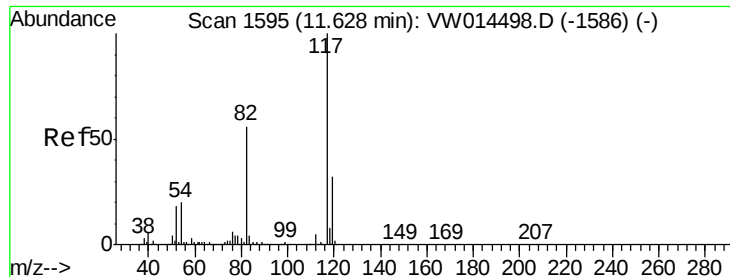
Tgt Ion: 43 Resp: 336301
Ion Ratio Lower Upper
43 100
58 3.6 28.7 86.3#



#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

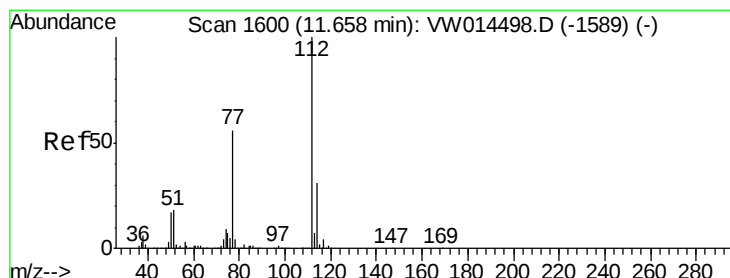
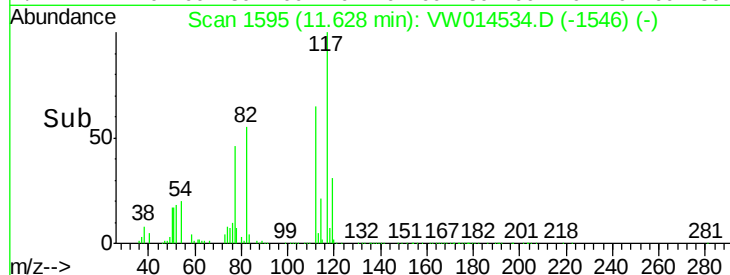
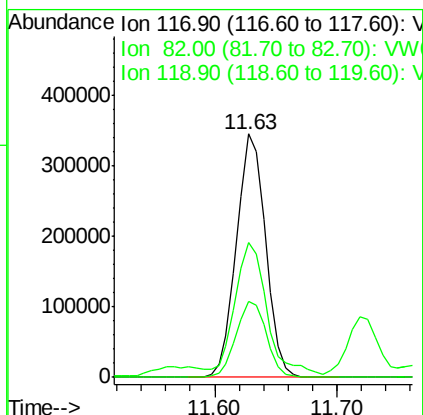
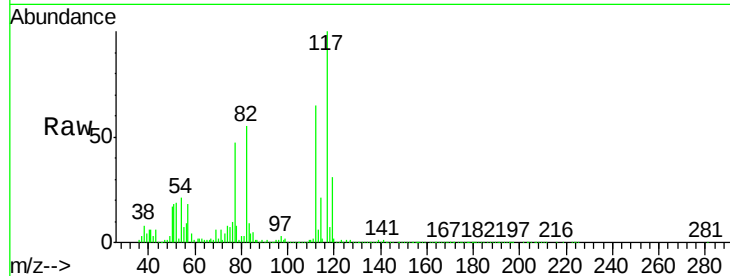




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

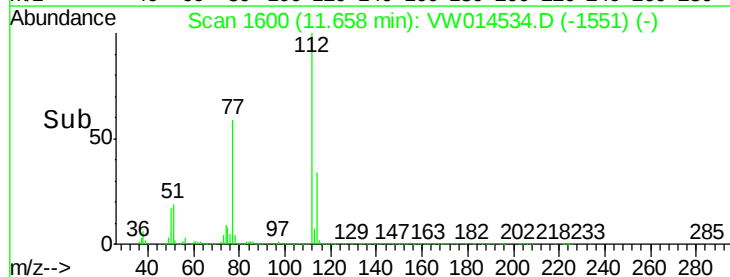
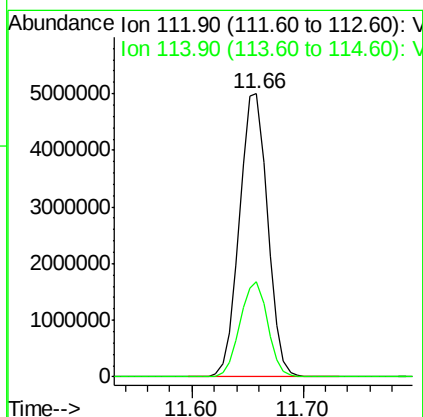
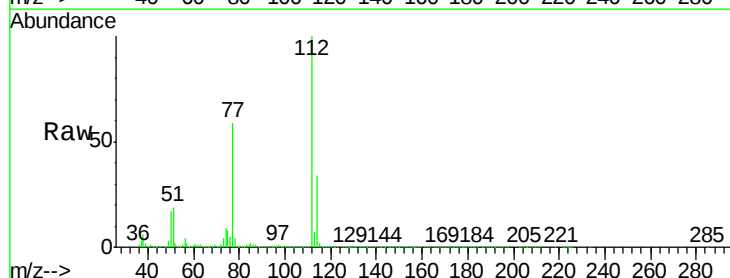
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

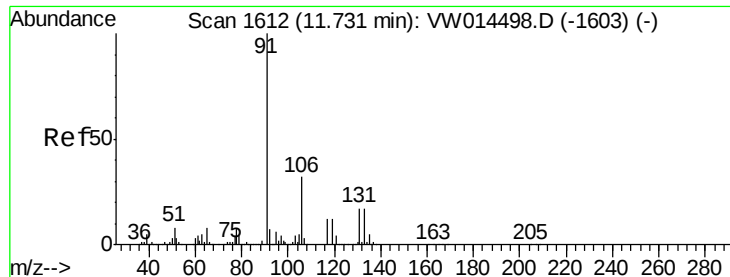
Tgt Ion:117 Resp: 570026
Ion Ratio Lower Upper
117 100
82 51.2 44.6 67.0
119 31.0 25.7 38.5



#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

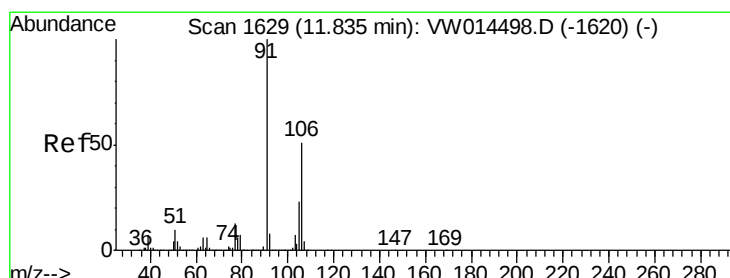
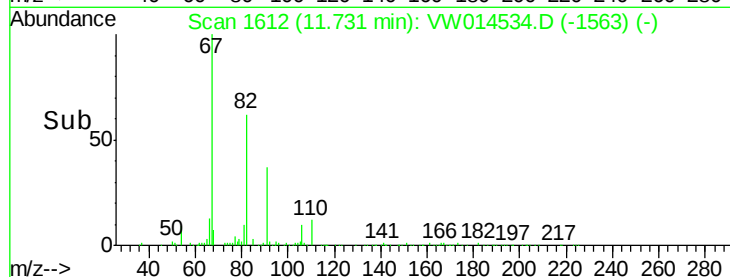
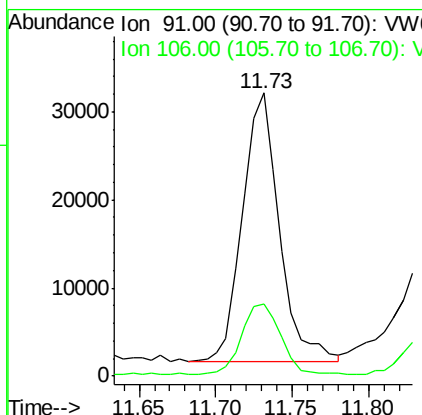
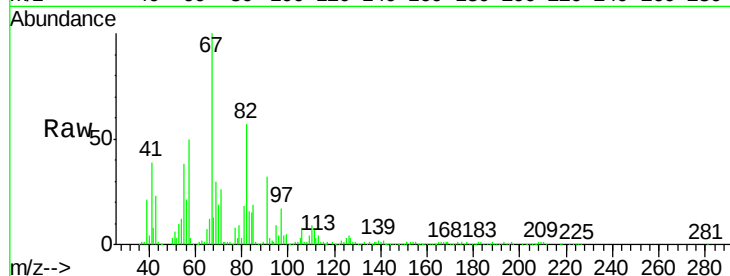




#67
Ethyl Benzene
Concen: 2.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

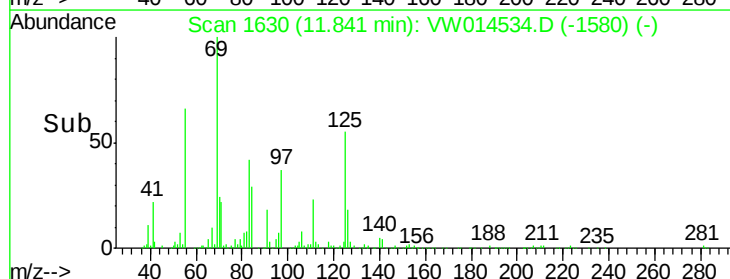
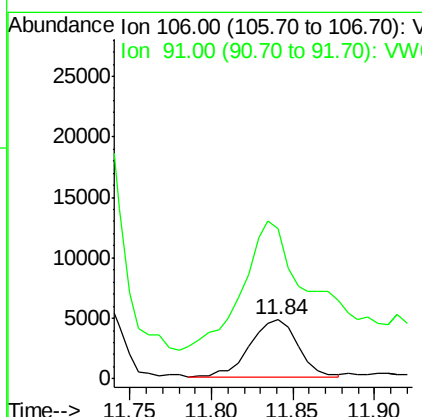
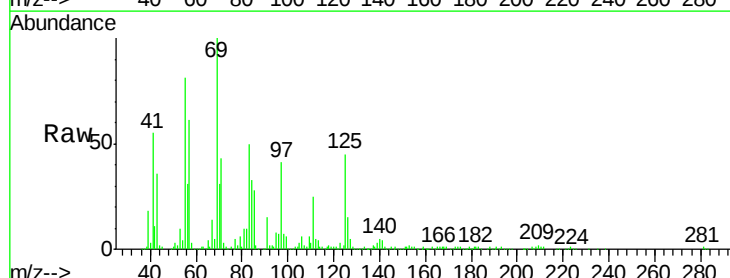
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

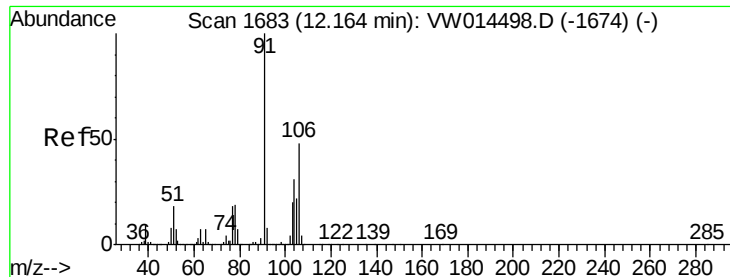
Tgt Ion: 91 Resp: 51107
Ion Ratio Lower Upper
91 100
106 26.2 25.5 38.3



#68
m/p-Xylenes
Concen: 1.199 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion: 106 Resp: 9660
Ion Ratio Lower Upper
106 100
91 347.4 159.0 238.6#

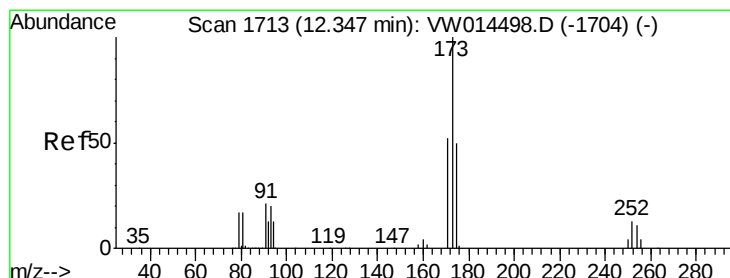
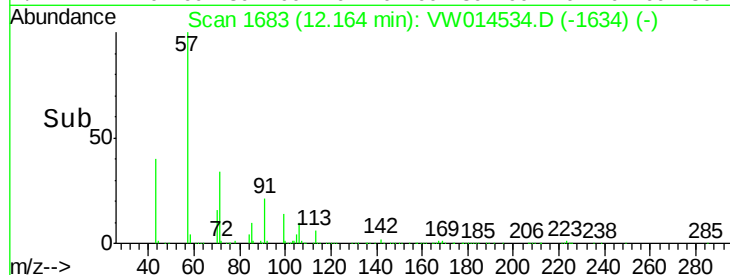
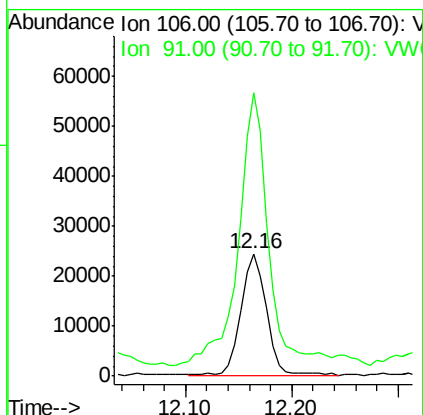
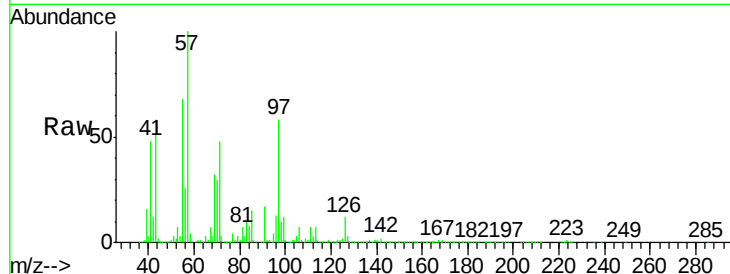




#69
o-Xylene
Concen: 5.477 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

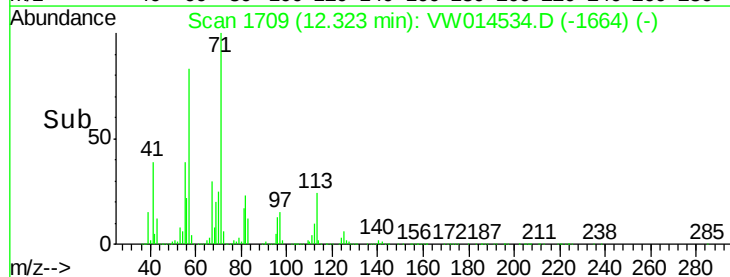
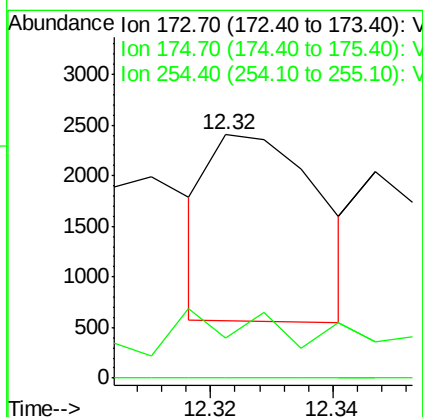
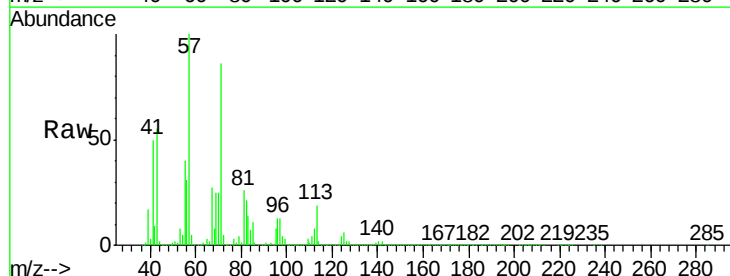
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

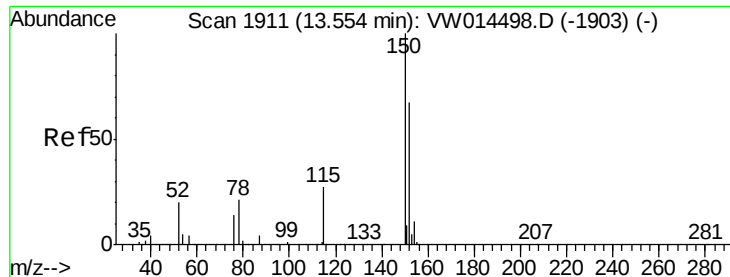
Tgt Ion:106 Resp: 40750
Ion Ratio Lower Upper
106 100
91 255.4 105.2 315.6



#71
Bromoform
Concen: 1.056 ug/l
RT: 12.32 min Scan# 1709
Delta R.T. -0.02 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion:173 Resp: 2264
Ion Ratio Lower Upper
173 100
175 18.4 24.5 73.5#
254 0.0 0.0 0.0





#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

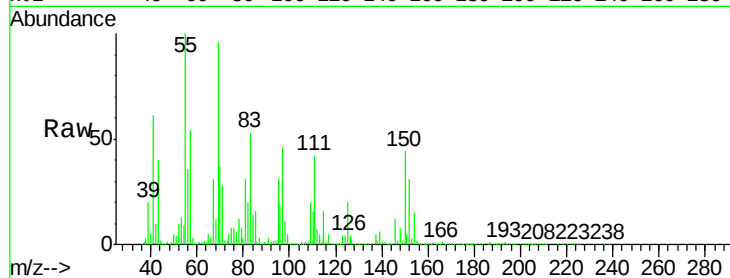
Tgt Ion:152 Resp: 233610

Ion Ratio Lower Upper

152 100

115 38.0 27.7 83.1

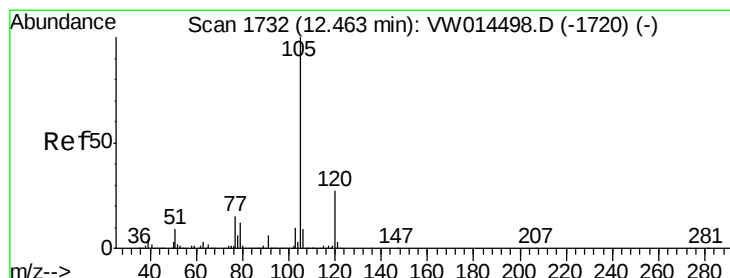
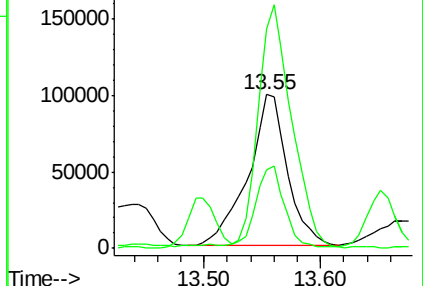
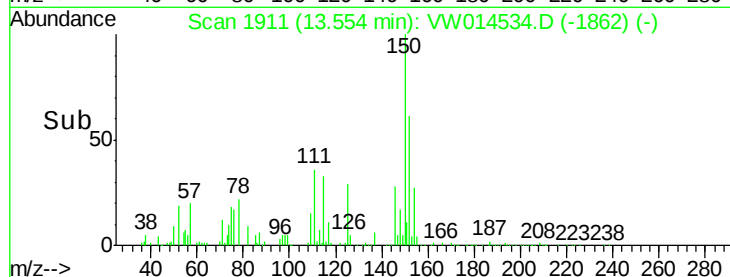
150 136.1 0.0 343.4



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

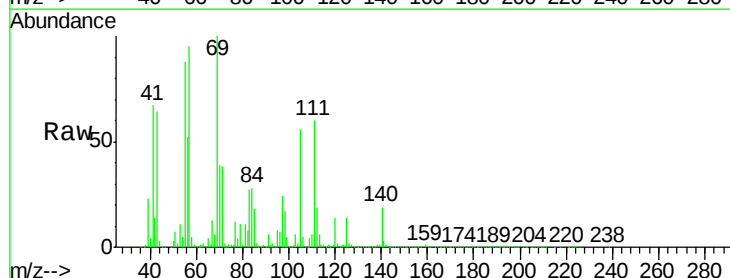
Acq: 06 Jan 2020 19:51

Tgt Ion:105 Resp: 286383

Ion Ratio Lower Upper

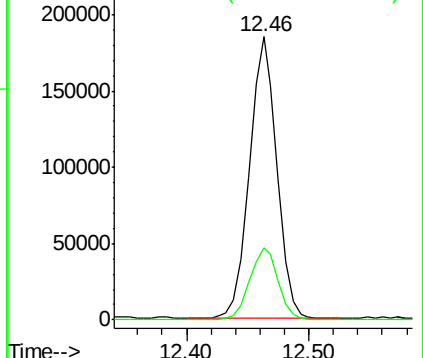
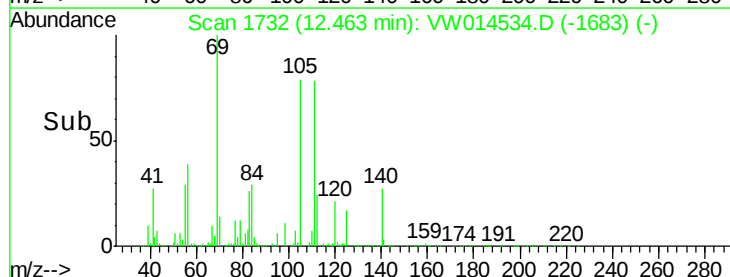
105 100

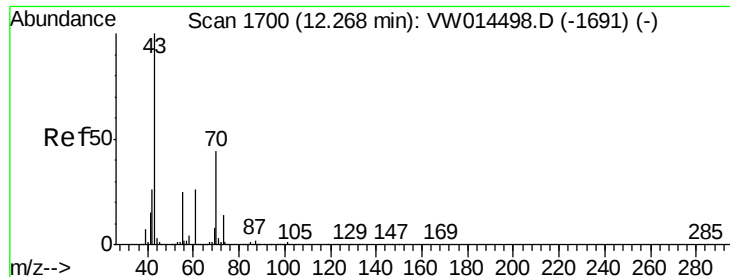
120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 538.326 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

Tgt Ion: 43 Resp: 2069001

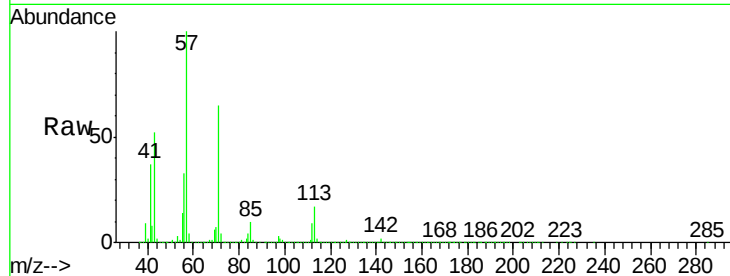
Ion Ratio Lower Upper

43 100

70 18.4 36.5 54.7#

55 16.9 20.9 31.3#

61 0.0 20.7 31.1#

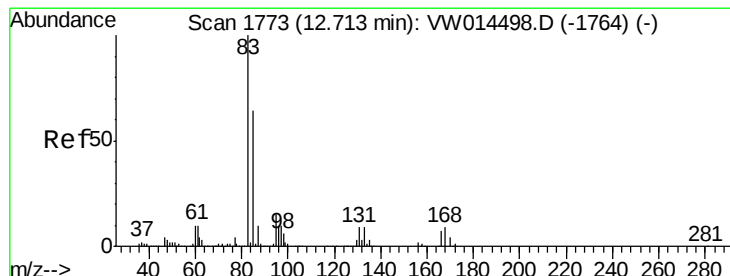
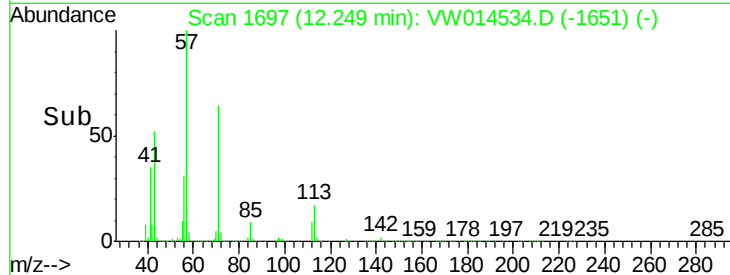
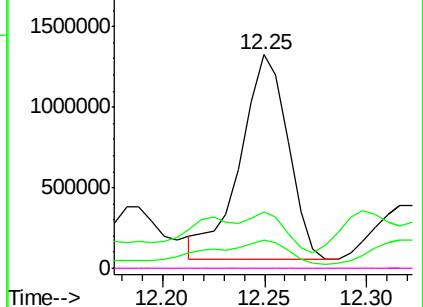


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 48.259 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

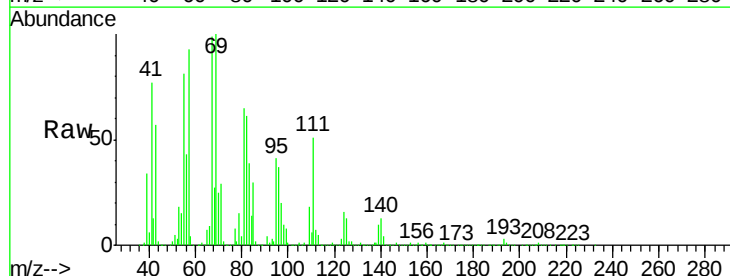
Tgt Ion: 83 Resp: 149308

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

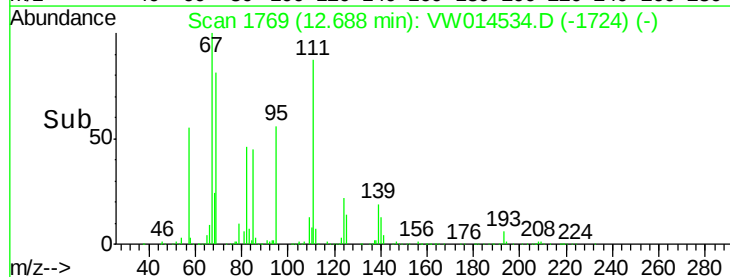
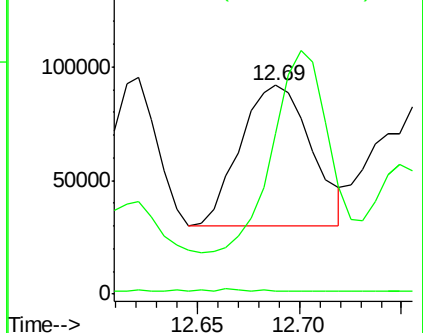
85 115.9 31.9 95.7#

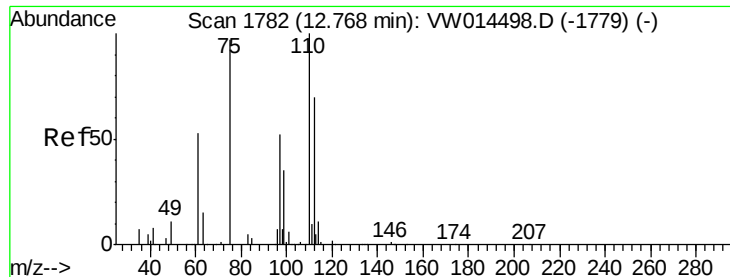


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 49.353 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

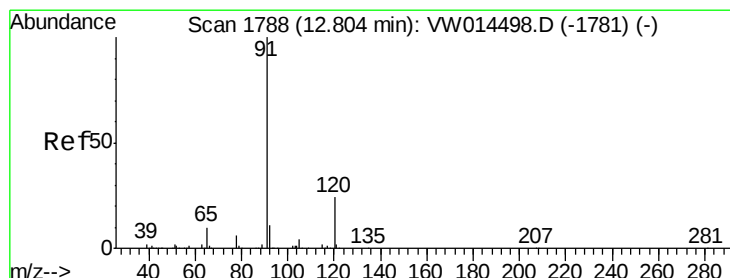
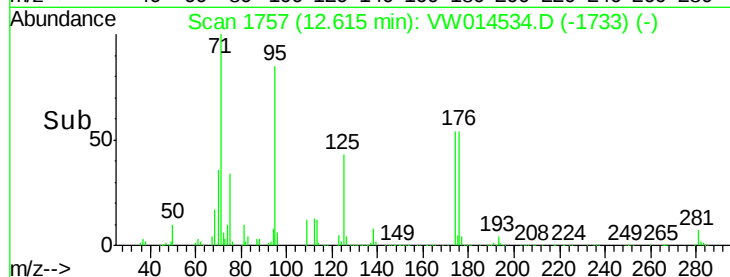
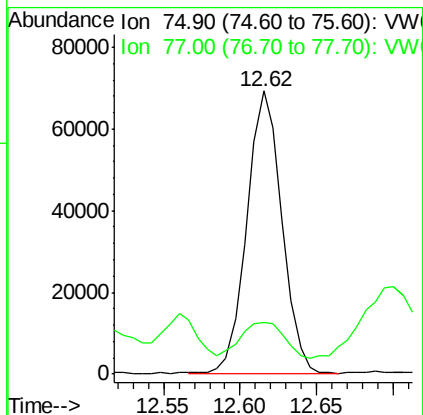
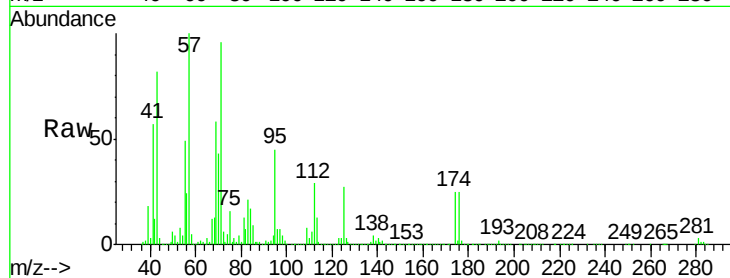
WP022SB455_191227-14-16

Tgt Ion: 75 Resp: 109009

Ion Ratio Lower Upper

75 100

77 16.2 0.0 0.0#



#78

n-propylbenzene

Concen: 9.056 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014534.D

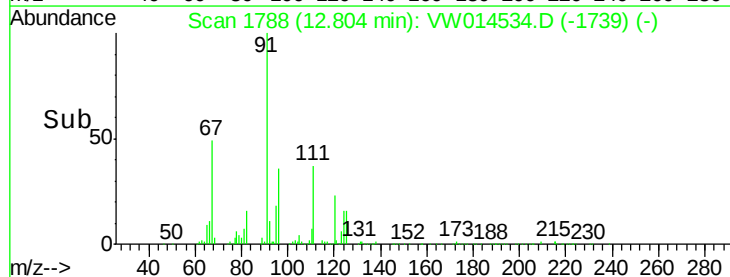
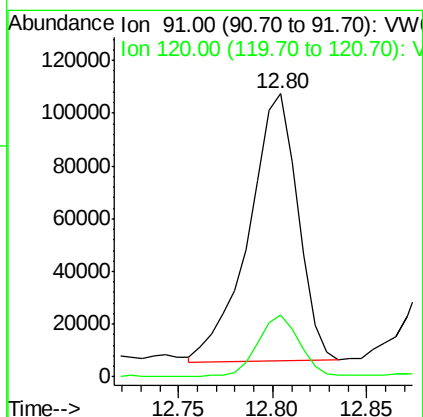
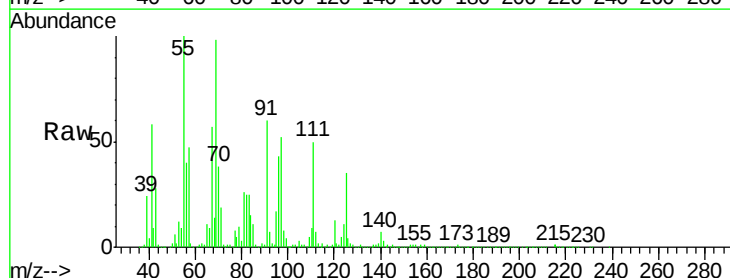
Acq: 06 Jan 2020 19:51

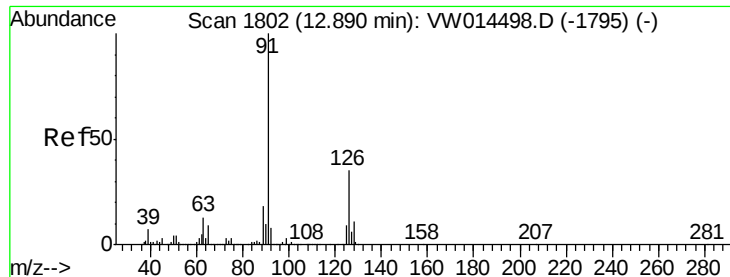
Tgt Ion: 91 Resp: 182532

Ion Ratio Lower Upper

91 100

120 19.8 11.7 35.1

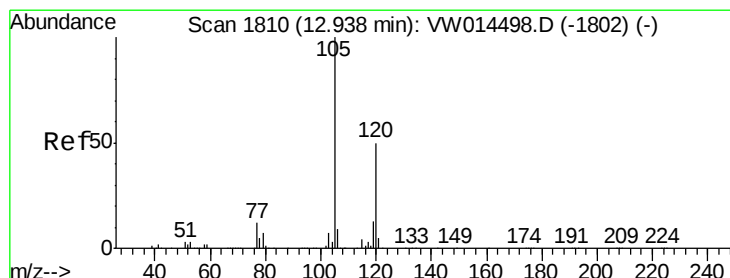
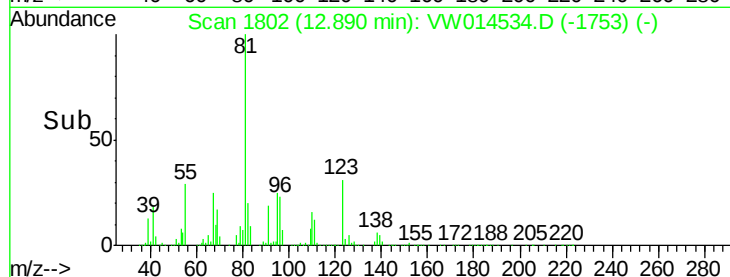
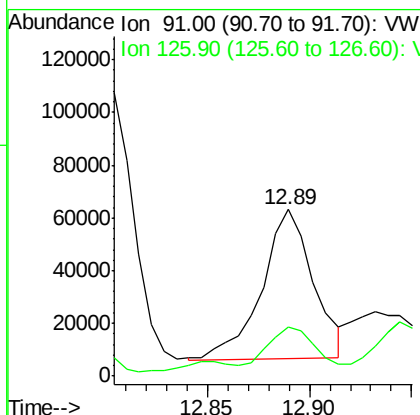
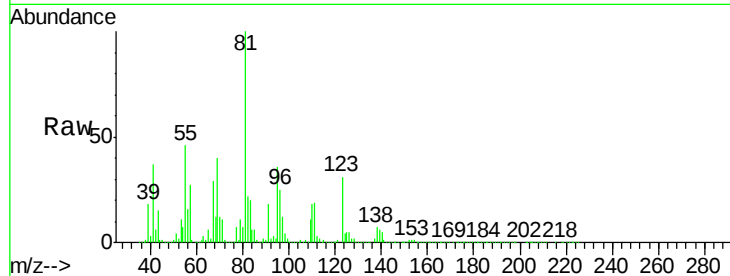




#79
 2-Chlorotoluene
 Concen: 8.755 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

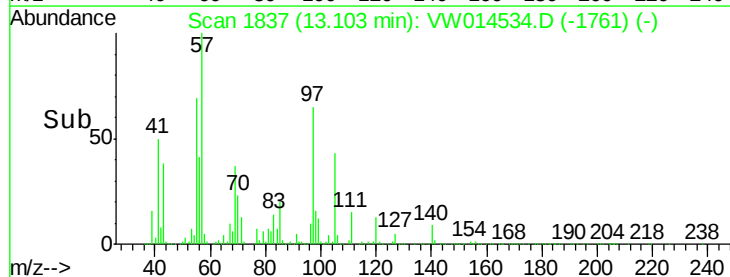
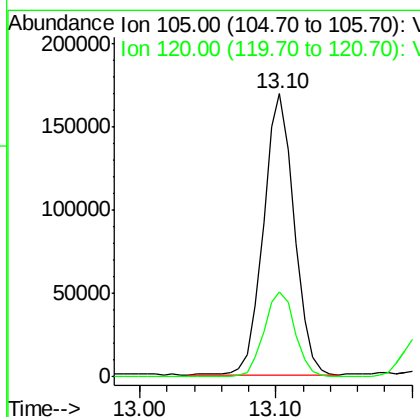
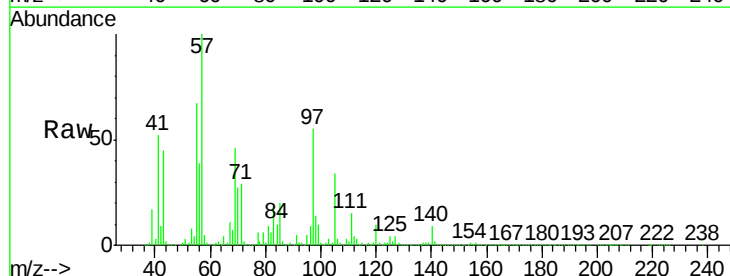
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

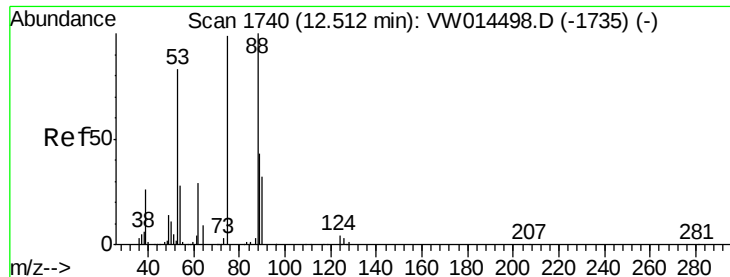
Tgt Ion: 91 Resp: 100420
 Ion Ratio Lower Upper
 91 100
 126 20.1 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 18.503 ug/l
 RT: 13.10 min Scan# 1837
 Delta R.T. 0.16 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion: 105 Resp: 266295
 Ion Ratio Lower Upper
 105 100
 120 30.4 25.2 75.6

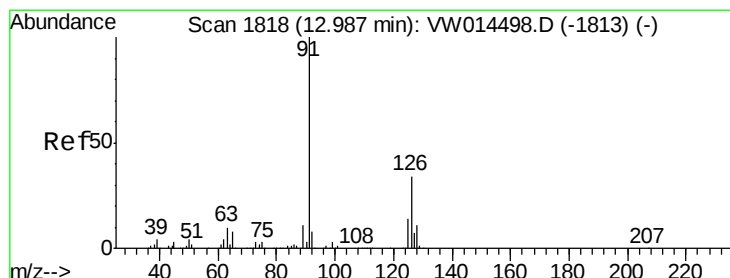
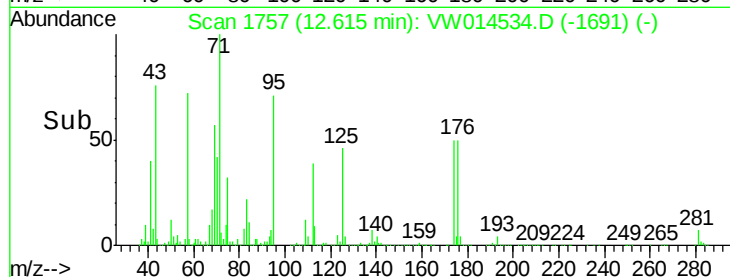
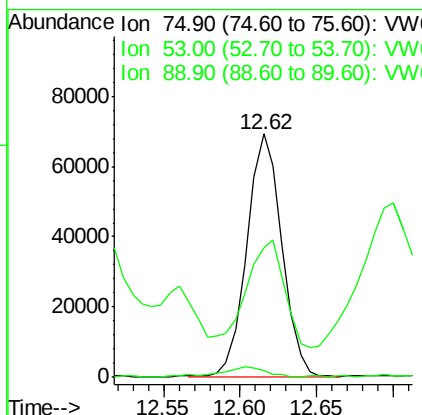
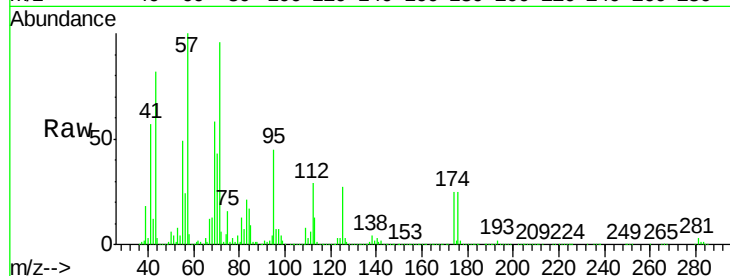




#81
trans-1,4-Dichloro-2-butene
Concen: 109.961 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

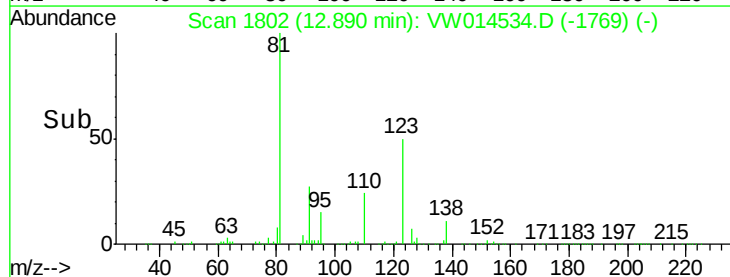
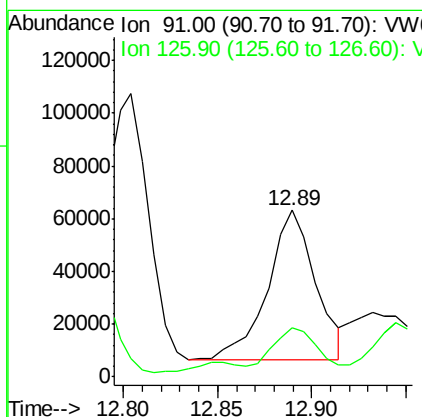
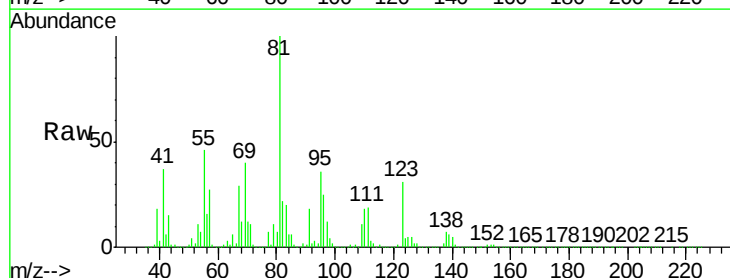
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

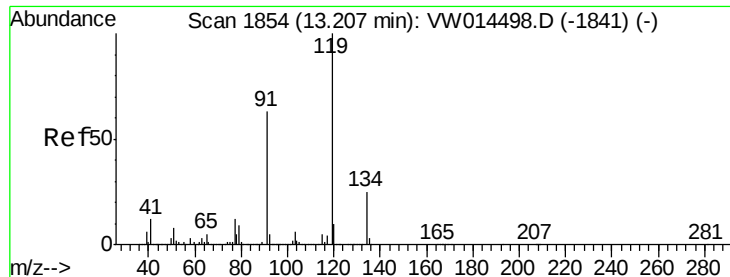
Tgt Ion: 75 Resp: 109009
Ion Ratio Lower Upper
75 100
53 47.0 70.9 106.3#
89 4.8 35.8 53.8#



#82
4-Chlorotoluene
Concen: 8.397 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.10 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

Tgt Ion: 91 Resp: 100070
Ion Ratio Lower Upper
91 100
126 24.9 17.1 51.2

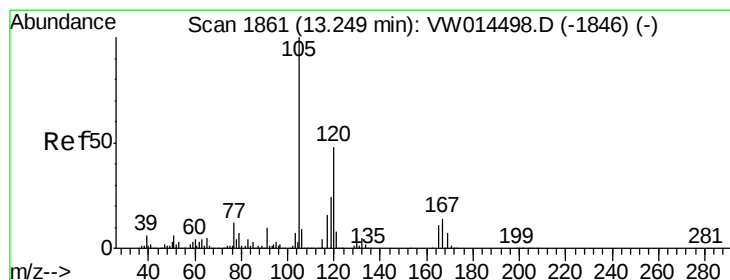
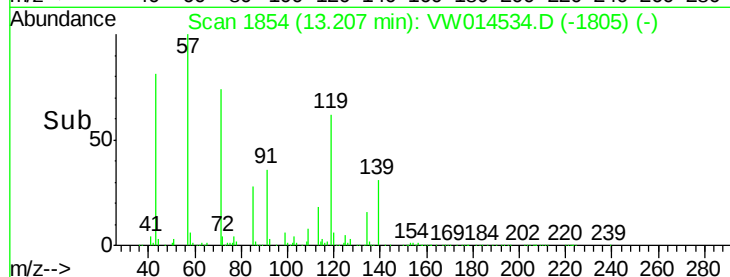
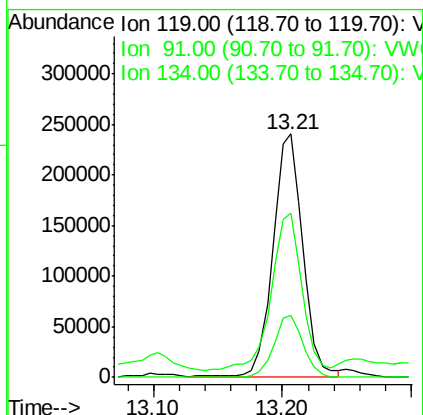
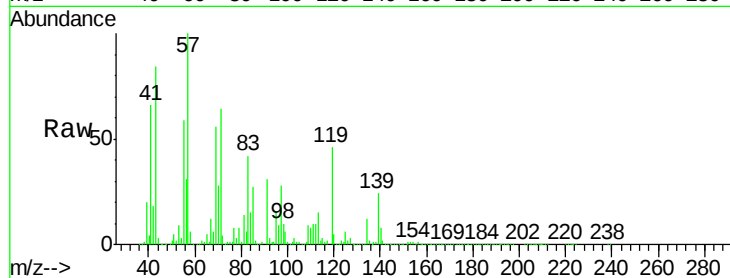




#83
tert-Butylbenzene
Concen: 30.466 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014534.D
Acq: 06 Jan 2020 19:51

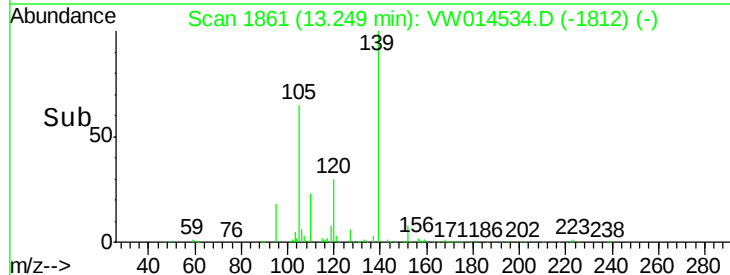
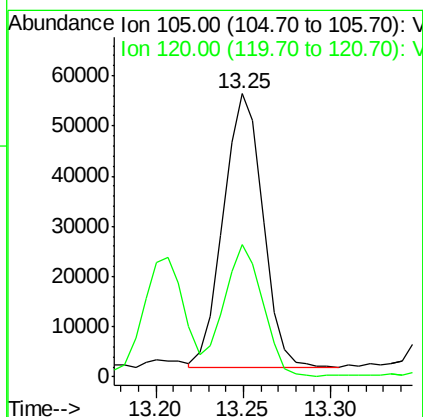
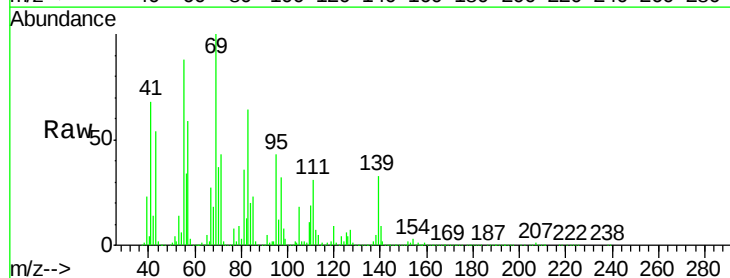
Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

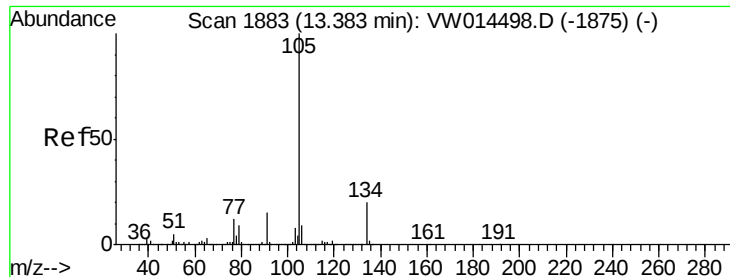
Tgt Ion:119 Resp: 383894
Ion Ratio Lower Upper
119 100
91 66.9 31.1 93.3
134 25.2 13.5 40.5



#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:105 Resp: 84949
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 :

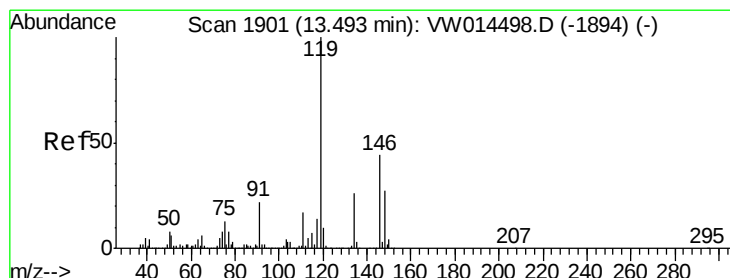
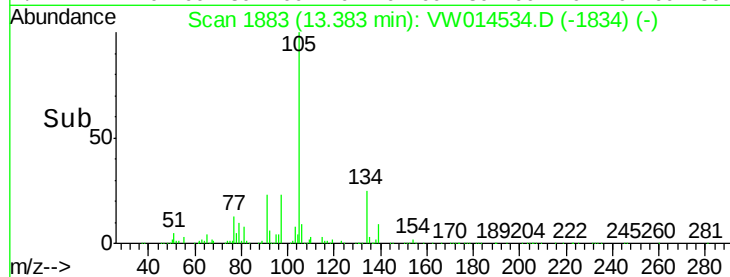
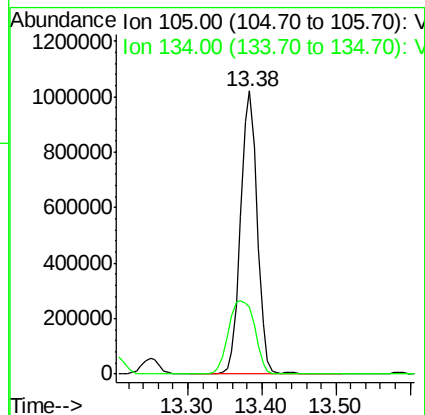
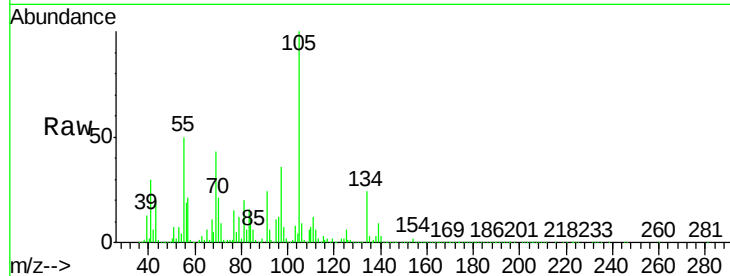
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Tgt Ion:105 Resp: 1599632

Ion Ratio Lower Upper

105 100

134 41.2 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 44.722 ug/l

RT: 13.65 min Scan# 1927

Delta R.T. 0.16 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

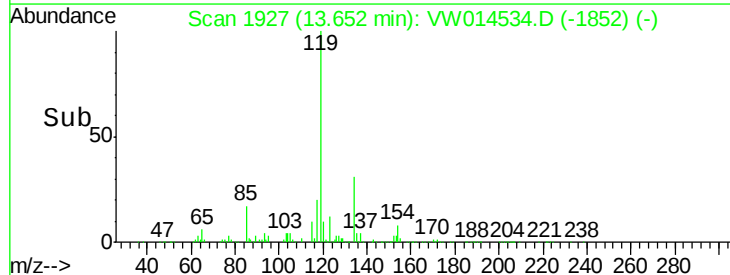
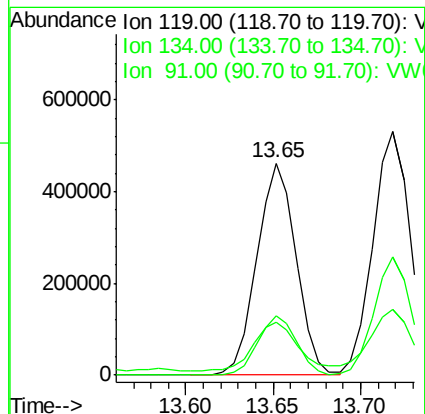
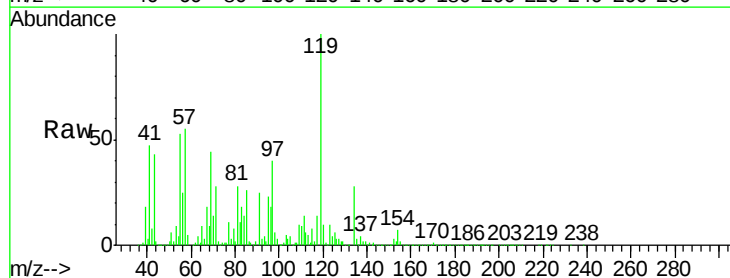
Tgt Ion:119 Resp: 711004

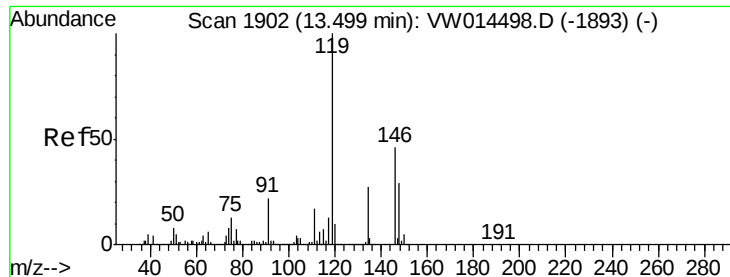
Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

91 26.4 11.1 33.3





#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

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

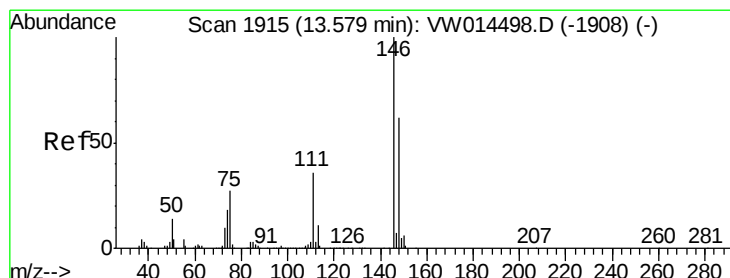
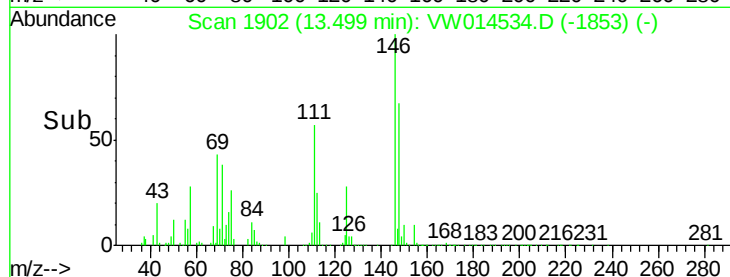
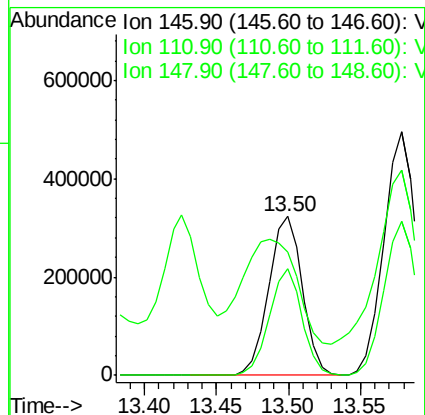
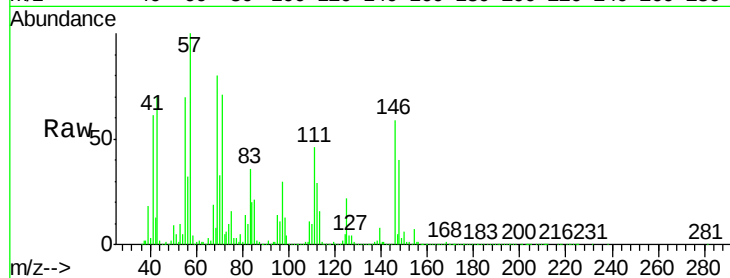
Tgt Ion:146 Resp: 524350

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

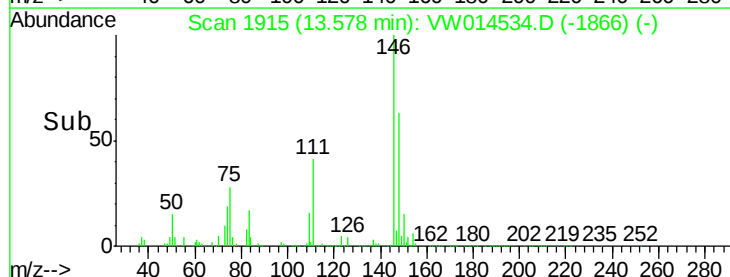
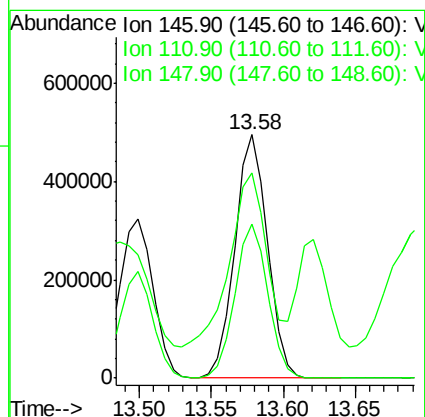
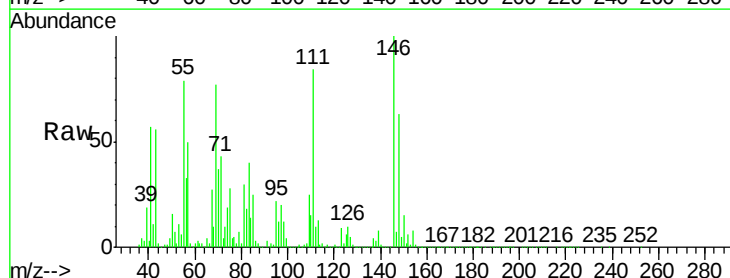
Tgt Ion:146 Resp: 780674

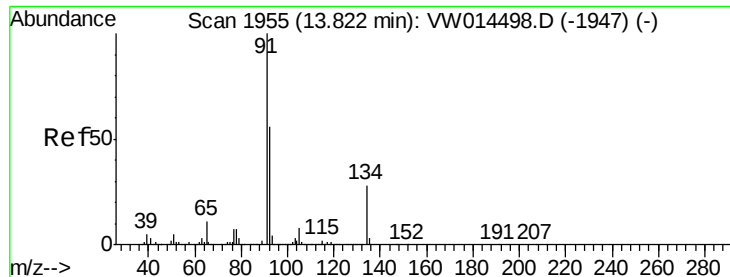
Ion Ratio Lower Upper

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

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

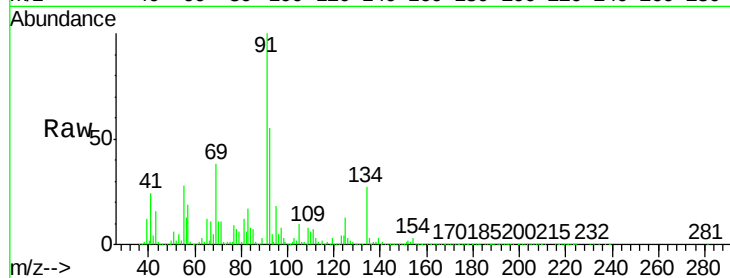
Tgt Ion: 91 Resp: 1466918

Ion Ratio Lower Upper

91 100

92 51.7 27.5 82.5

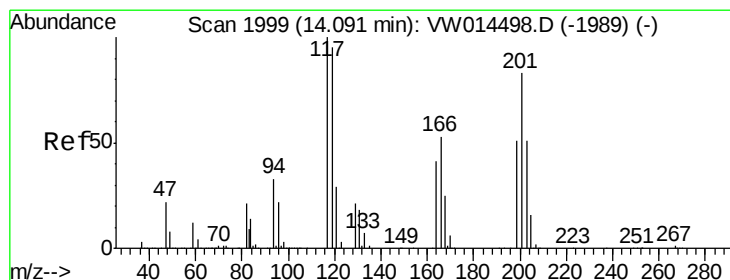
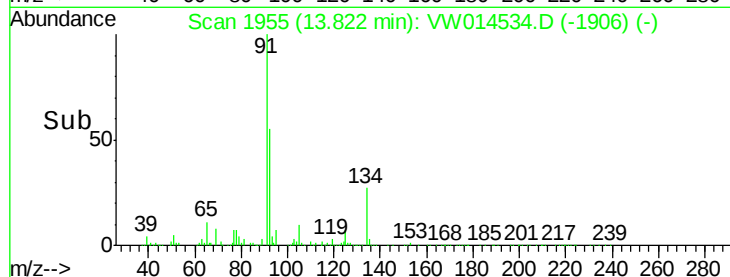
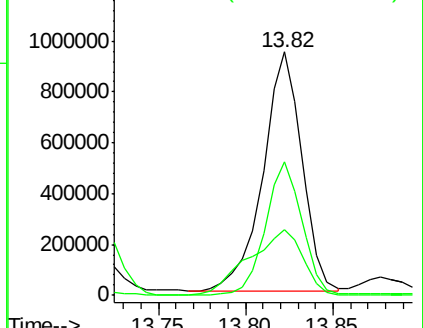
134 37.7 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 59.955 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW014534.D

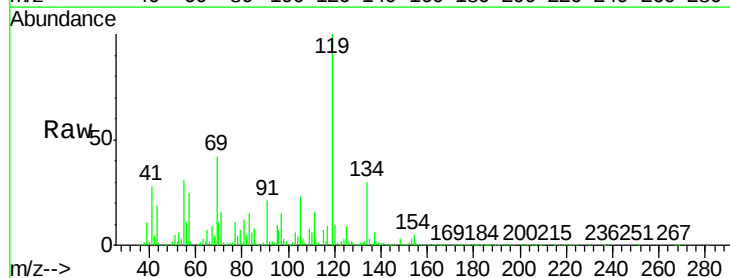
Acq: 06 Jan 2020 19:51

Tgt Ion: 117 Resp: 166513

Ion Ratio Lower Upper

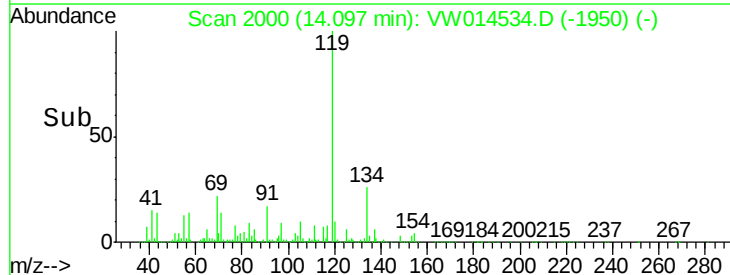
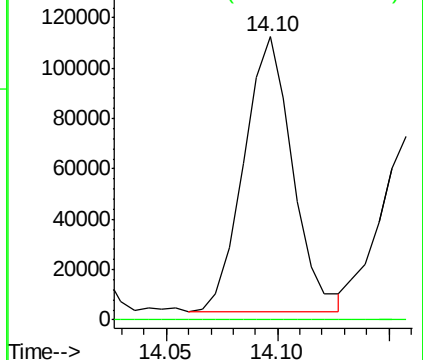
117 100

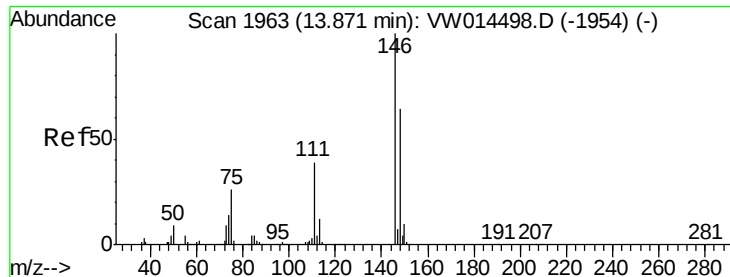
201 0.1 43.0 128.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 45.198 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

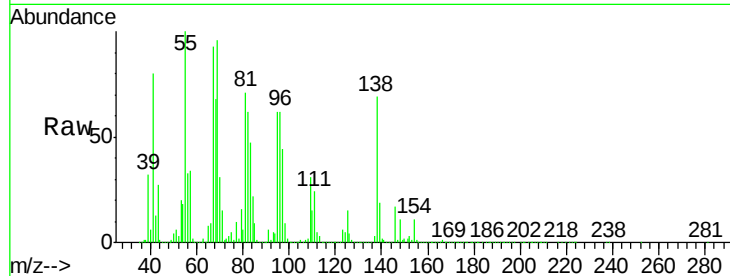
Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

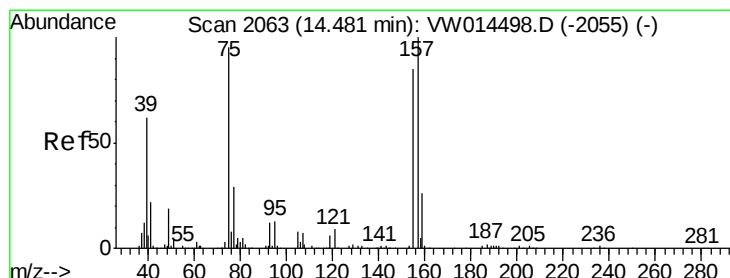
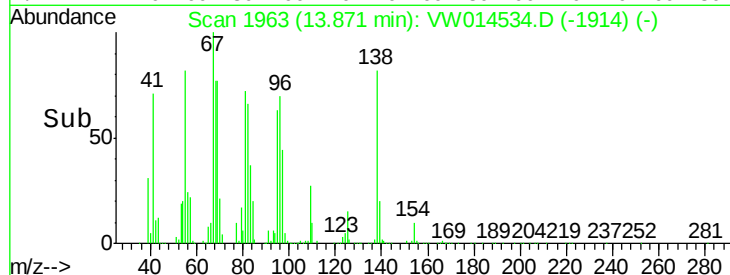
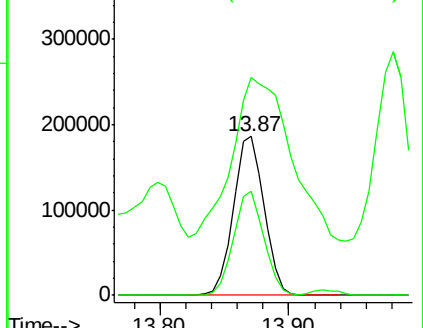
Tgt Ion:	146	Resp:	307544
Ion	Ratio	Lower	Upper
146	100		
111	243.7	20.4	61.3#
148	64.7	32.3	96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.537 ug/l

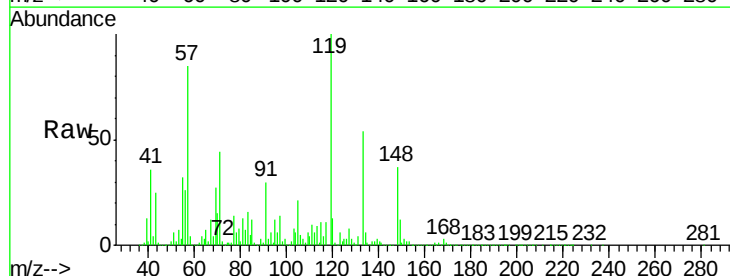
RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW014534.D

Acq: 06 Jan 2020 19:51

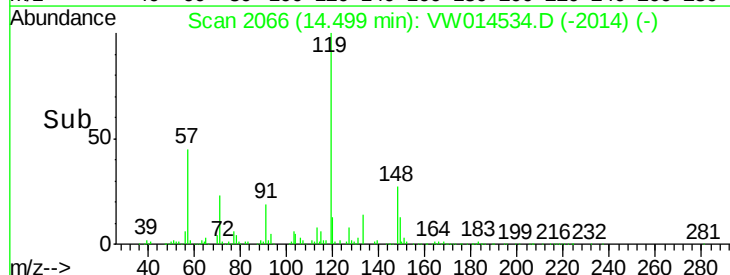
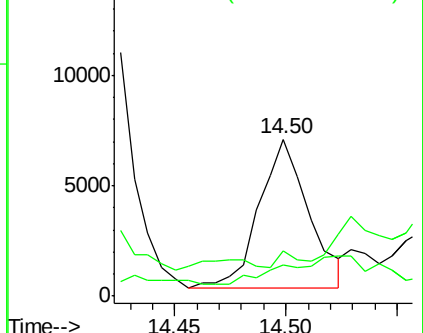
Tgt Ion:	75	Resp:	10552
Ion	Ratio	Lower	Upper
75	100		
155	0.0	45.8	137.4#
157	0.0	58.1	174.2#

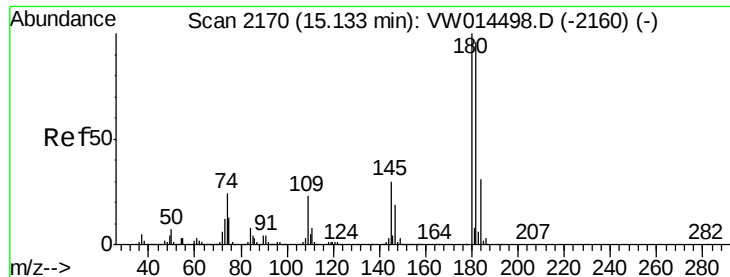


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

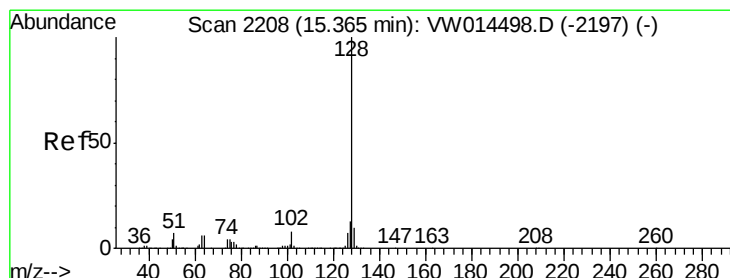
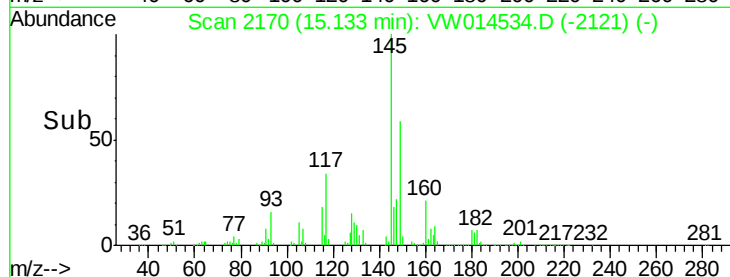
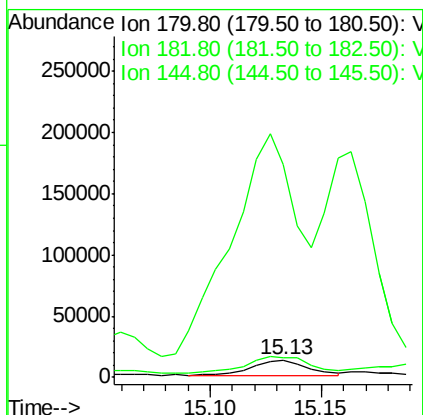
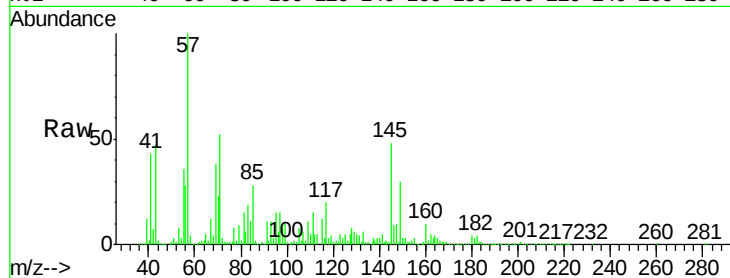




#93
 1,2,4-Trichlorobenzene
 Concen: 4.395 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

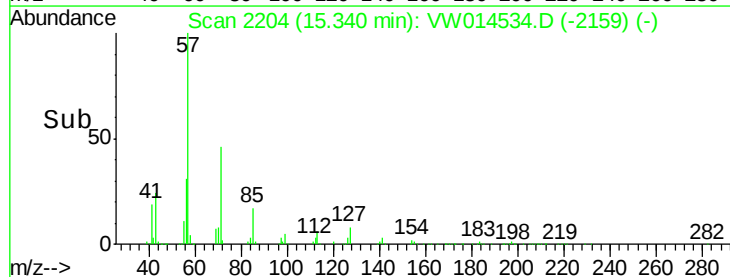
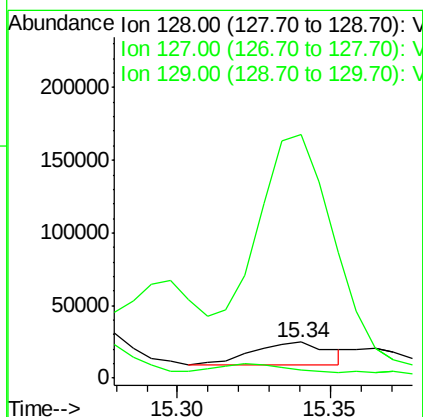
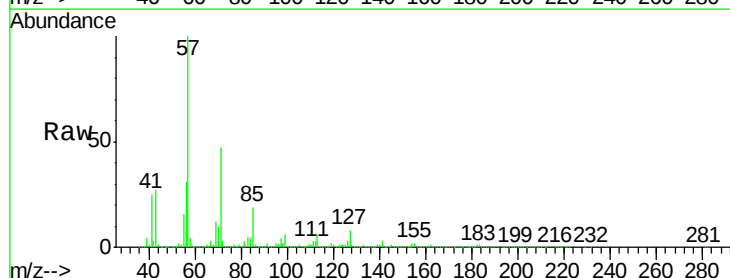
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

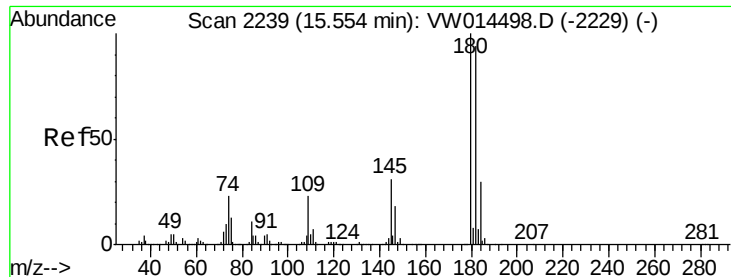
Tgt Ion:180 Resp: 20193
 Ion Ratio Lower Upper
 180 100
 182 136.0 47.3 141.8
 145 2200.4 14.7 44.1#



#95
 Naphthalene
 Concen: 3.524 ug/l
 RT: 15.34 min Scan# 2204
 Delta R.T. -0.02 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Tgt Ion:128 Resp: 27615
 Ion Ratio Lower Upper
 128 100
 127 1032.7 10.6 15.8#
 129 30.1 8.7 13.1#

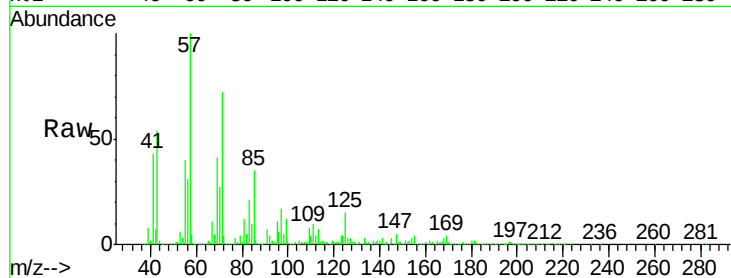




#96
 1,2,3-Trichlorobenzene
 Concen: 1.879 ug/l
 RT: 15.58 min Scan# 2243
 Delta R.T. 0.02 min
 Lab File: VW014534.D
 Acq: 06 Jan 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	44.0	47.4	142.2#
145	0.0	15.5	46.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

