

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008521.D
 Acq On : 27 Apr 2022 12:51
 Operator : KP/MD
 Sample : N2511-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1527

Quant Time: Apr 27 15:30:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

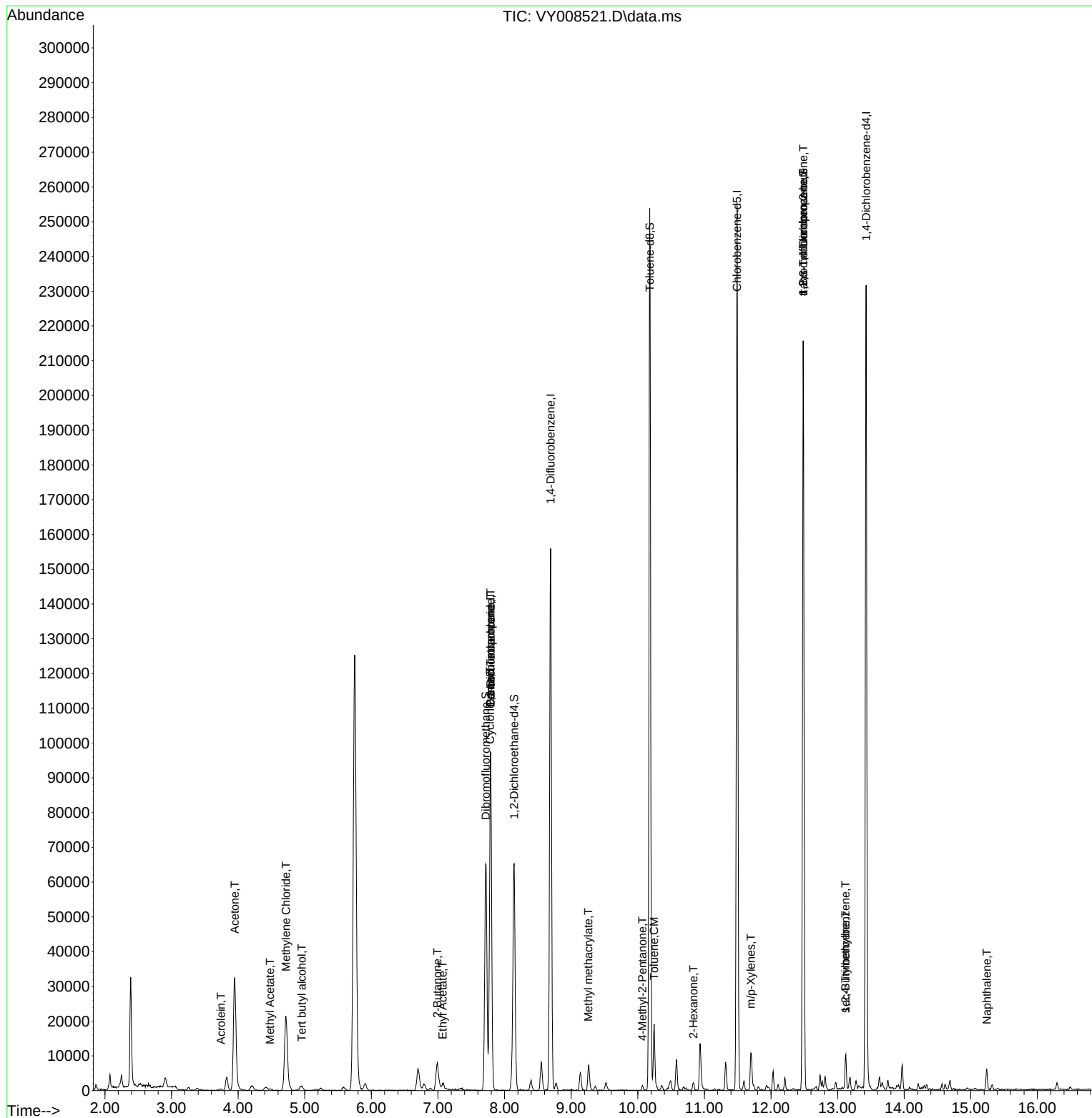
Internal Standards						
1) Pentafluorobenzene	7.789	168	74036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	47607	54.650	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.716	113	45825	51.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.460%	
50) Toluene-d8	10.179	98	168799	47.908	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.820%	
62) 4-Bromofluorobenzene	12.483	95	54792	45.933	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	2396	3.030	ug/l #	94
13) Acrolein	3.741	56	533	5.747	ug/l	92
16) Acetone	3.948	43	57279	282.299	ug/l	90
18) Methyl Acetate	4.479	43	776	1.364	ug/l #	85
20) Methylene Chloride	4.716	84	16974	11.311	ug/l #	81
25) 2-Butanone	6.990	43	10543	33.587	ug/l #	90
31) Cyclohexane	7.783	56	1965	1.372	ug/l #	40
36) 1,1-Dichloropropene	7.789	75	5921	4.202	ug/l #	50
37) Ethyl Acetate	7.070	43	2320	2.977	ug/l #	87
38) Carbon Tetrachloride	7.789	117	7378	5.039	ug/l #	15
48) Methyl methacrylate	9.258	41	1935	3.175	ug/l #	51
51) 4-Methyl-2-Pentanone	10.069	43	958	1.271	ug/l #	85
52) Toluene	10.246	92	7782	2.862	ug/l	93
59) 2-Hexanone	10.837	43	1514	2.918	ug/l	96
68) m/p-Xylenes	11.697	106	3683	1.701	ug/l	84
76) 1,2,3-Trichloropropane	12.483	75	30904	42.495	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30904	98.585	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	5974	1.703	ug/l	100
85) sec-Butylbenzene	13.117	105	5974	1.289	ug/l #	56
95) Naphthalene	15.239	128	5165	2.213	ug/l #	95

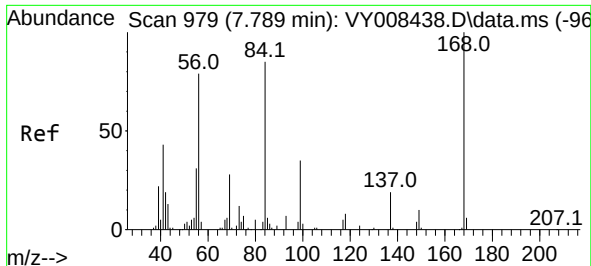
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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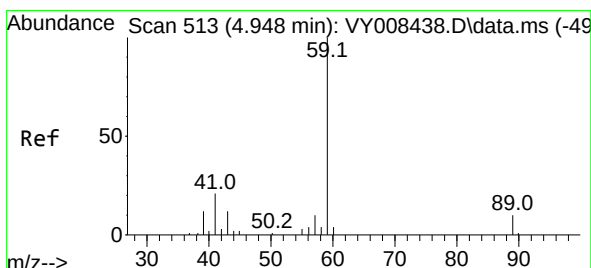
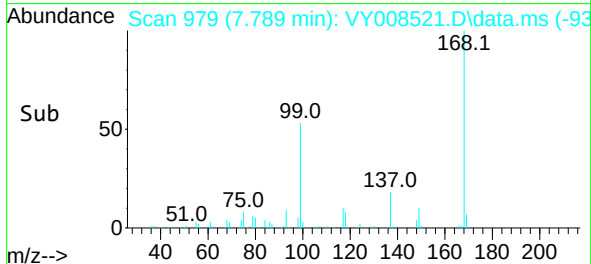
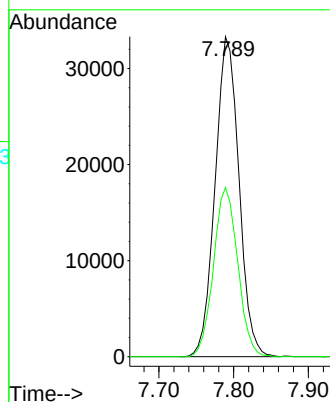
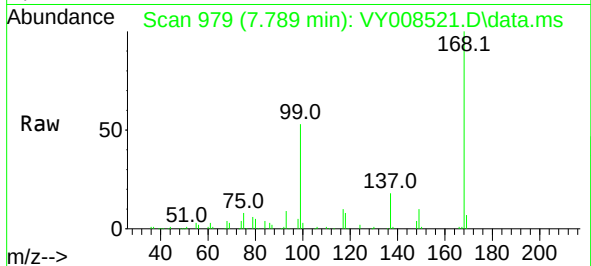




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

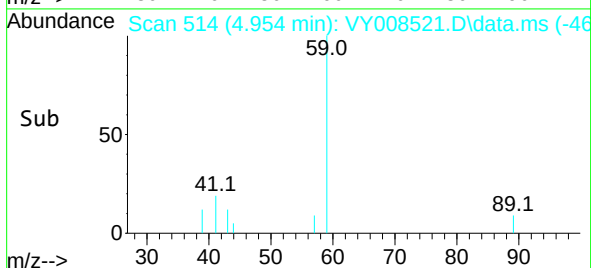
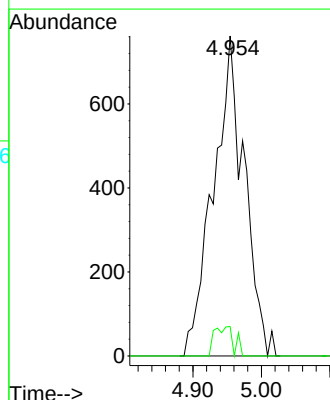
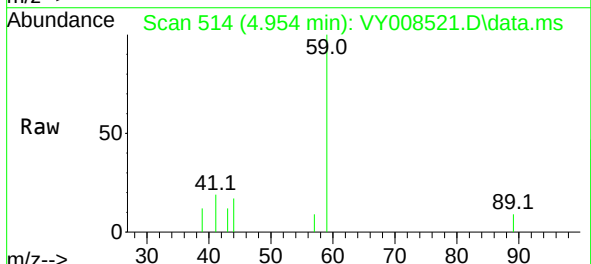
Instrument :
MSVOA_Y
ClientSampleId :
1527

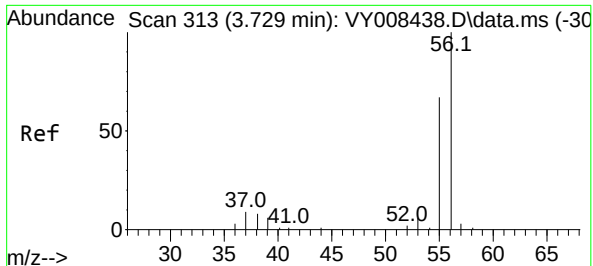
Tgt Ion:168 Resp: 74036
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.030 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 59 Resp: 2396
Ion Ratio Lower Upper
59 100
57 5.8 6.4 9.6#





#13

Acrolein

Concen: 5.747 ug/l

RT: 3.741 min Scan# 313

Delta R.T. 0.012 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

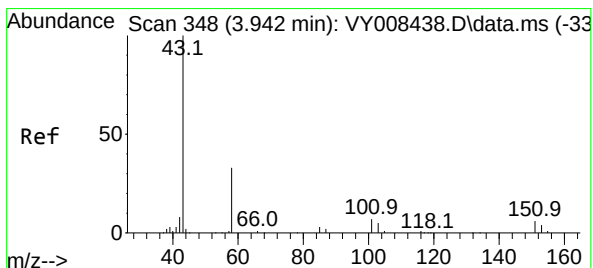
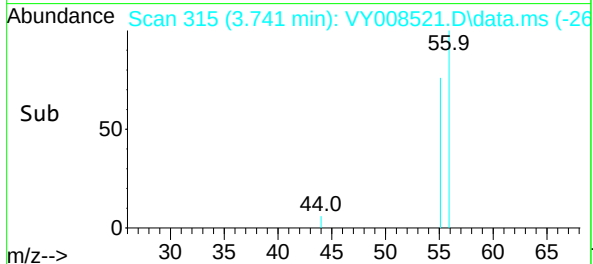
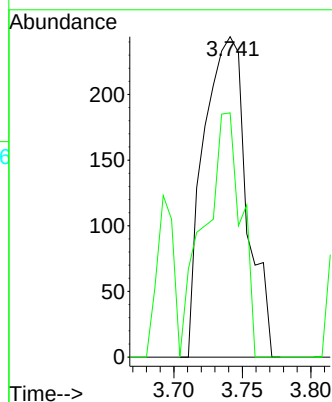
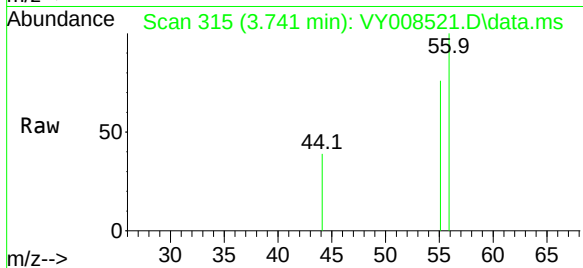
1527

Tgt Ion: 56 Resp: 533

Ion Ratio Lower Upper

56 100

55 65.5 57.6 86.4



#16

Acetone

Concen: 282.299 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008521.D

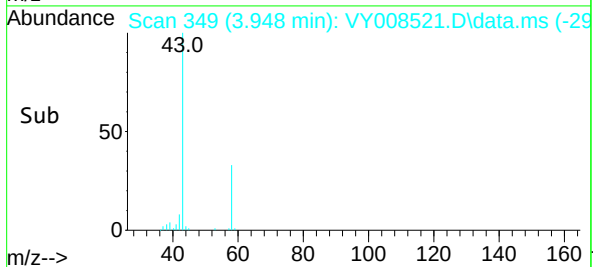
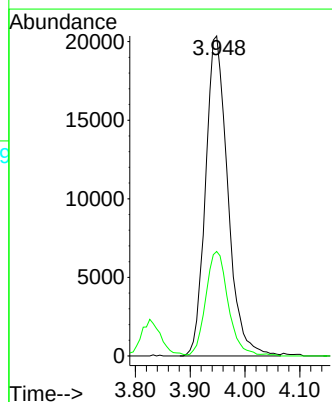
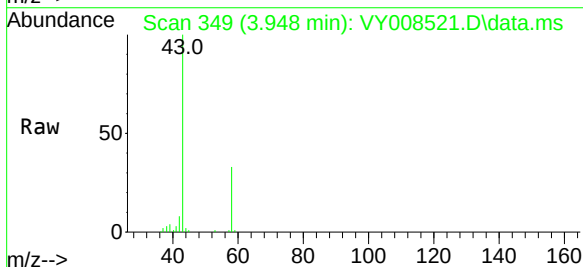
Acq: 27 Apr 2022 12:51

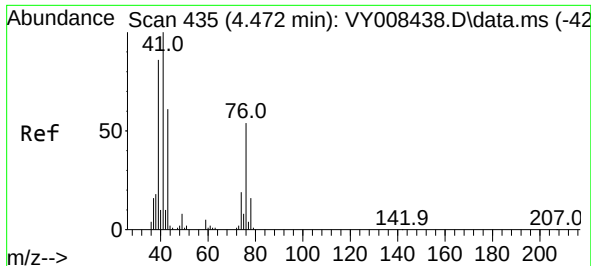
Tgt Ion: 43 Resp: 57279

Ion Ratio Lower Upper

43 100

58 32.6 22.0 33.0





#18

Methyl Acetate

Concen: 1.364 ug/l

RT: 4.479 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

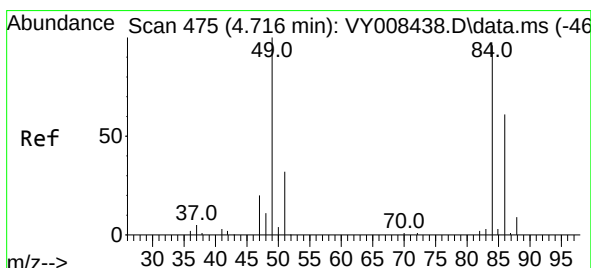
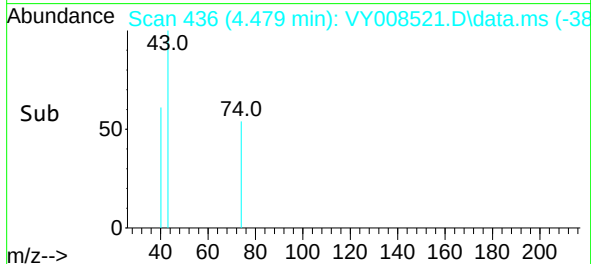
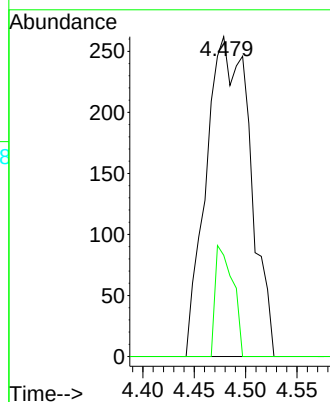
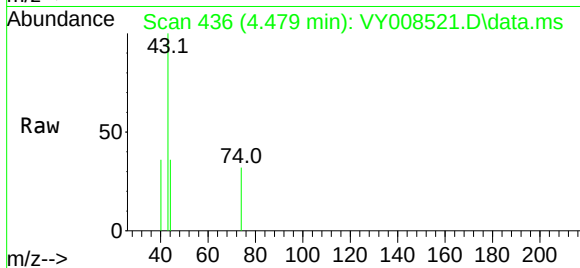
1527

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

74 13.9 16.6 24.8#



#20

Methylene Chloride

Concen: 11.311 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Tgt Ion: 84 Resp: 16974

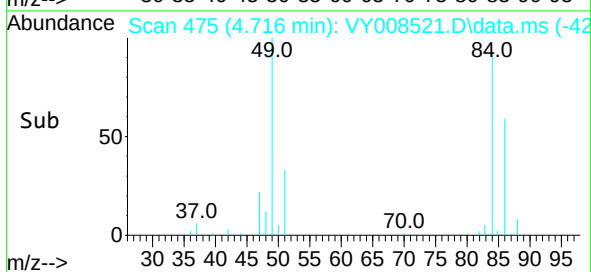
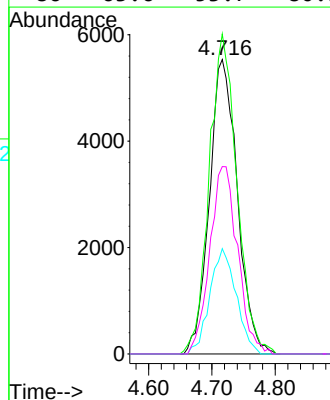
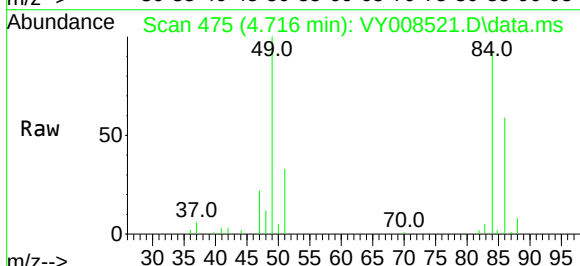
Ion Ratio Lower Upper

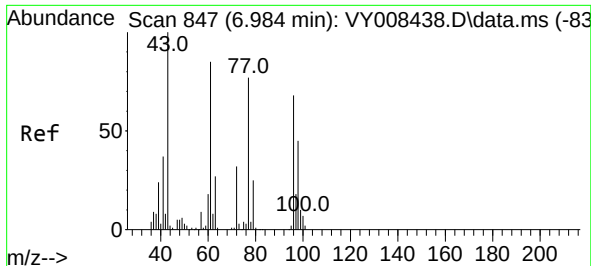
84 100

49 108.7 114.4 171.6#

51 35.8 35.3 52.9

86 63.6 53.7 80.5

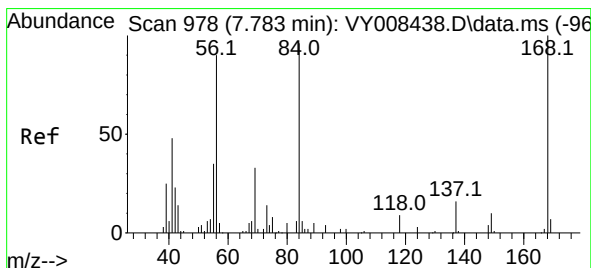
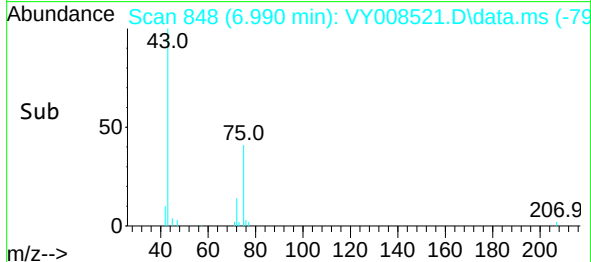
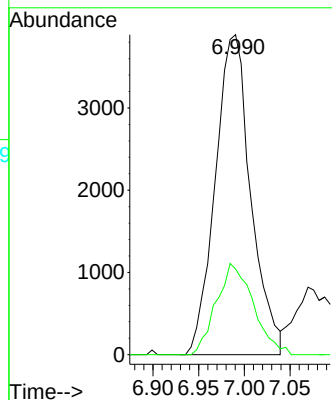
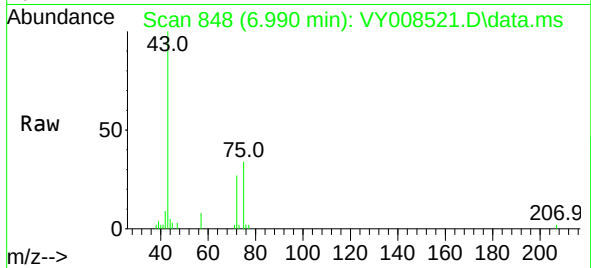




#25
2-Butanone
Concen: 33.587 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

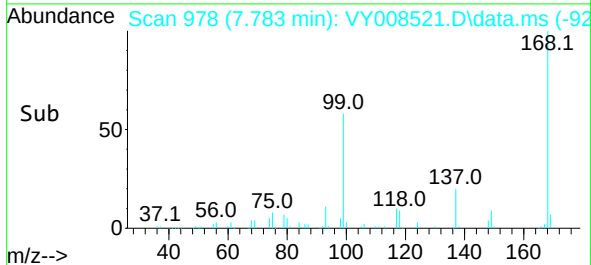
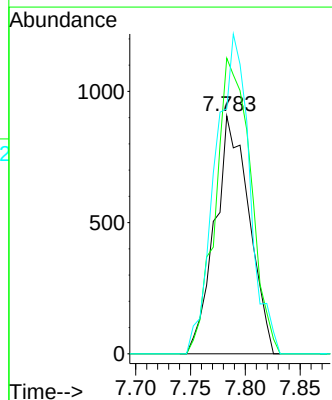
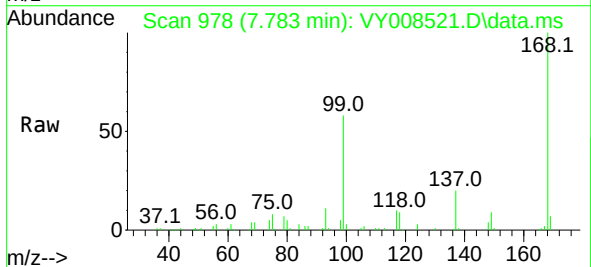
Instrument :
MSVOA_Y
ClientSampleId :
1527

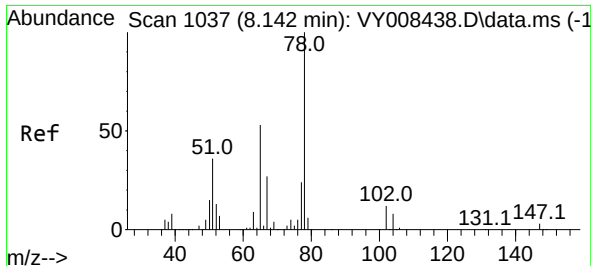
Tgt Ion: 43 Resp: 10543
Ion Ratio Lower Upper
43 100
72 26.8 17.7 26.5#



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 56 Resp: 1965
Ion Ratio Lower Upper
56 100
69 124.3 26.7 40.1#
84 103.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.650 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

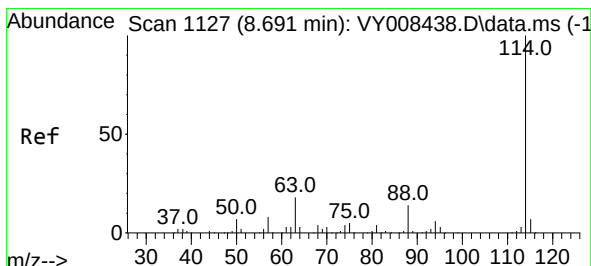
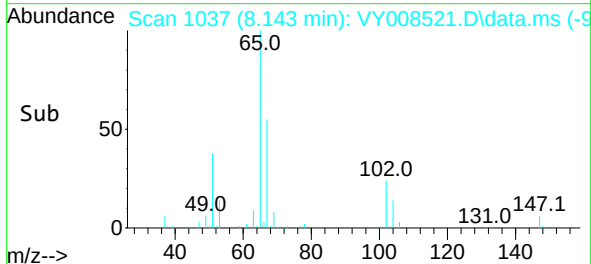
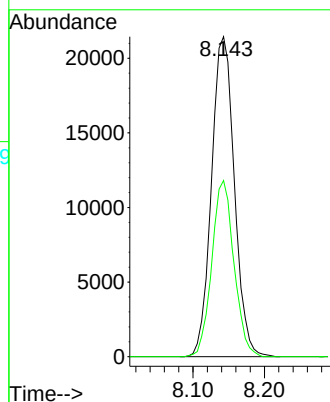
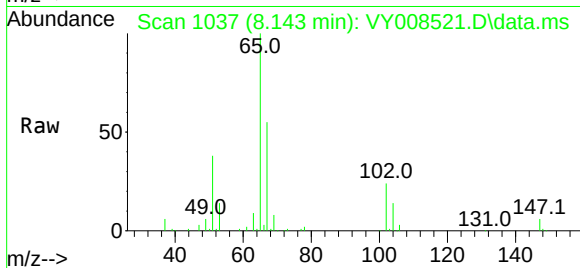
1527

Tgt Ion: 65 Resp: 47607

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

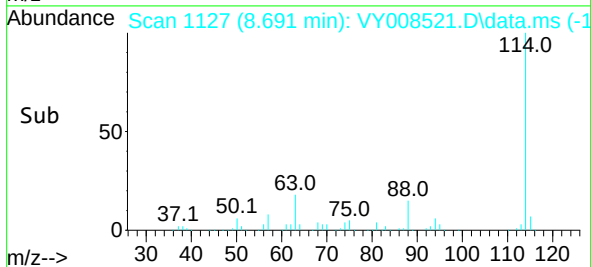
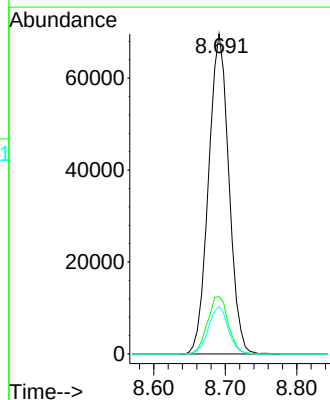
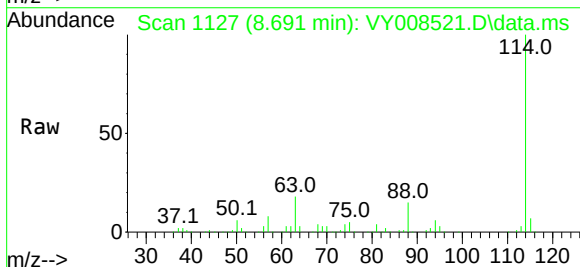
Tgt Ion: 114 Resp: 137264

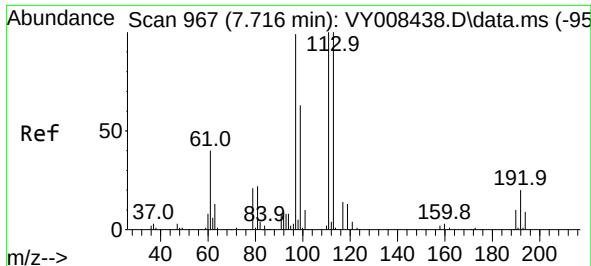
Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 14.8 0.0 31.8

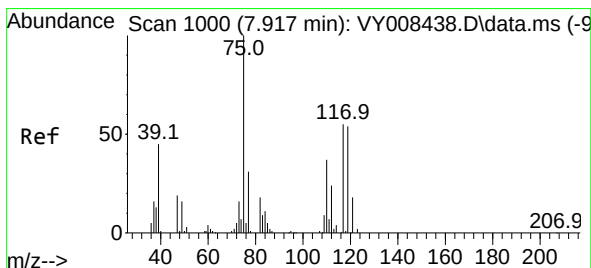
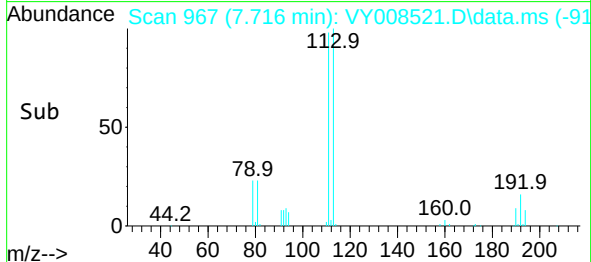
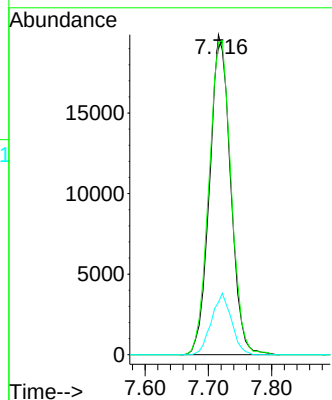
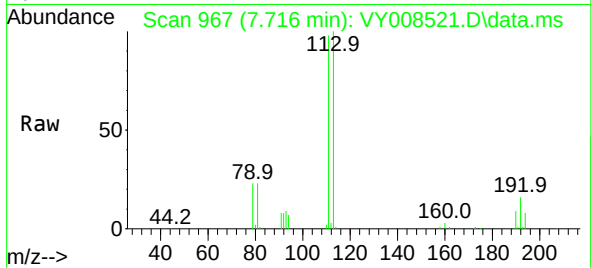




#35
Dibromofluoromethane
Concen: 51.728 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

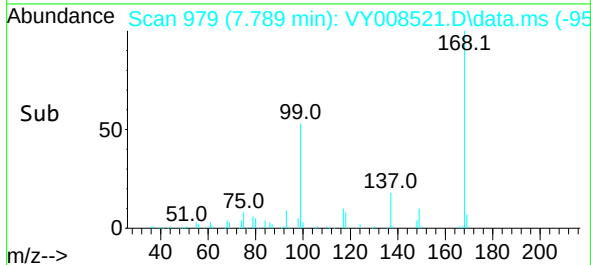
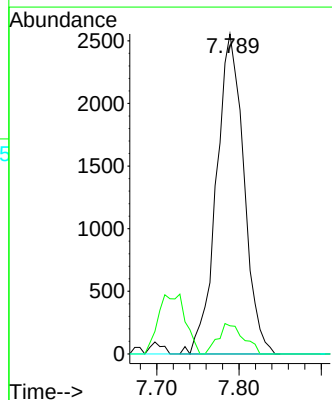
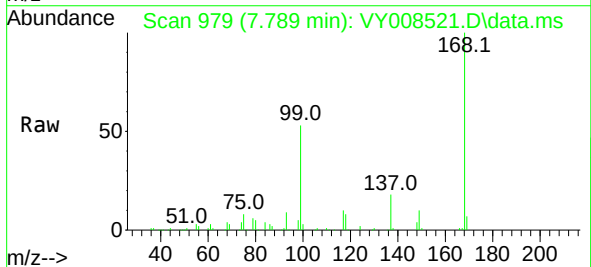
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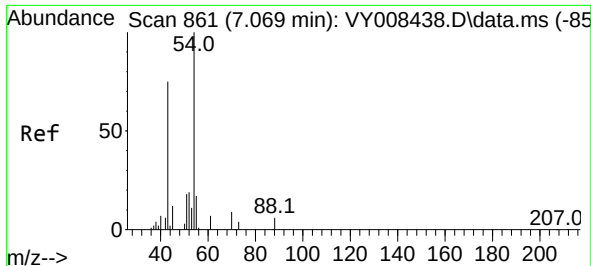
Tgt Ion:113 Resp: 45825
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 18.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.202 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 75 Resp: 5921
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.977 ug/l

RT: 7.070 min Scan# 80

Delta R.T. 0.001 min

Lab File: VY008521.D

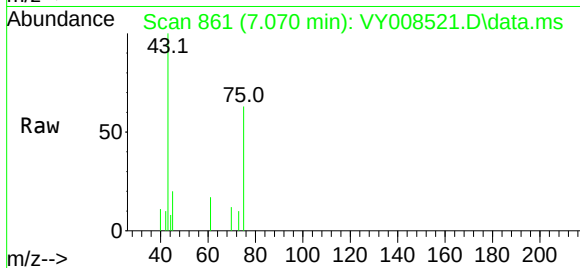
Acq: 27 Apr 2022 12:51

Instrument :

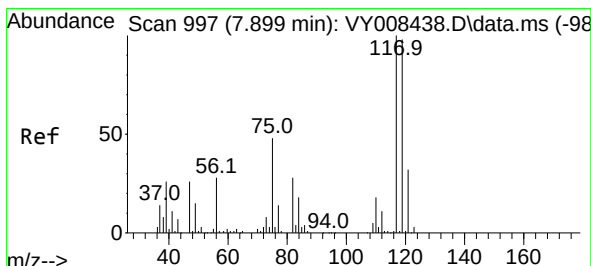
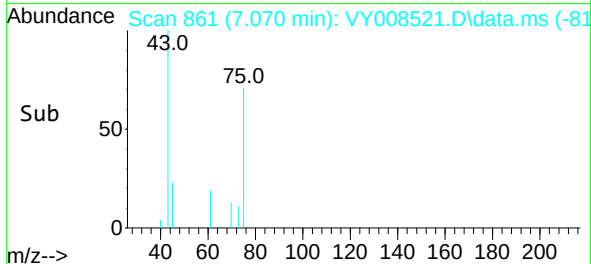
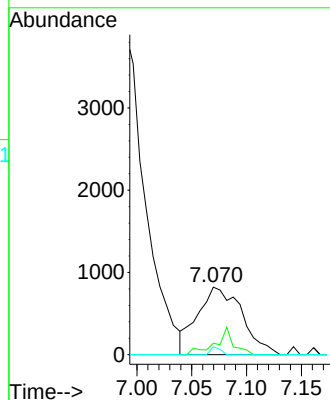
MSVOA_Y

ClientSampleId :

1527



Tgt Ion:	43	Resp:	2320
Ion	Ratio	Lower	Upper
43	100		
61	16.0	9.7	14.5#
70	2.5	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.039 ug/l

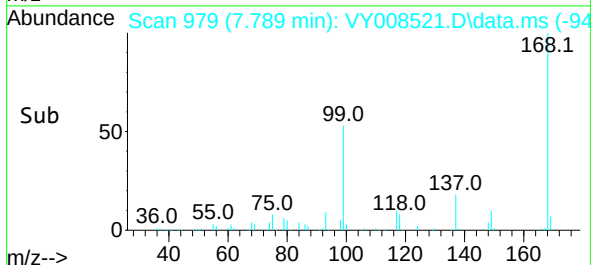
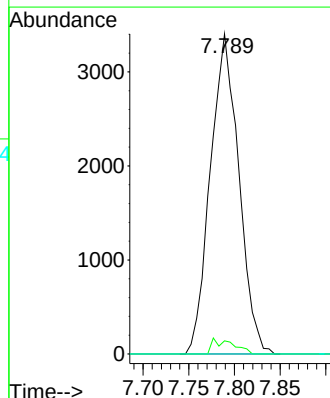
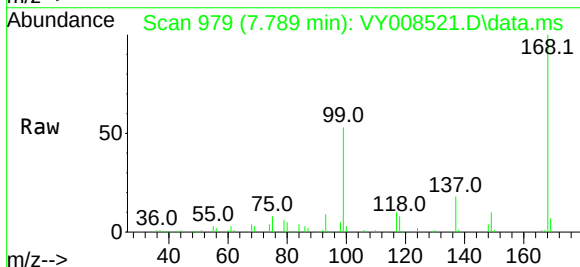
RT: 7.789 min Scan# 979

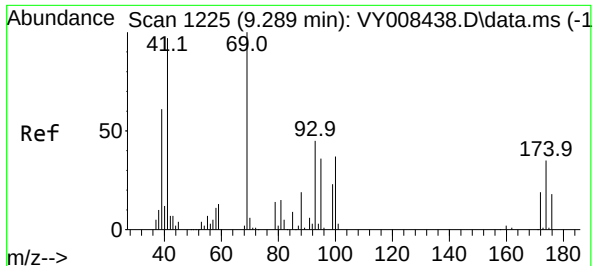
Delta R.T. -0.110 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Tgt Ion:	117	Resp:	7378
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.9	116.9#
121	0.0	24.8	37.2#

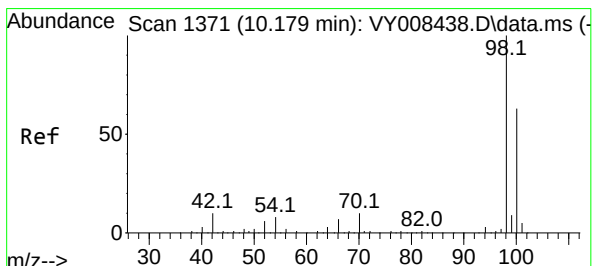
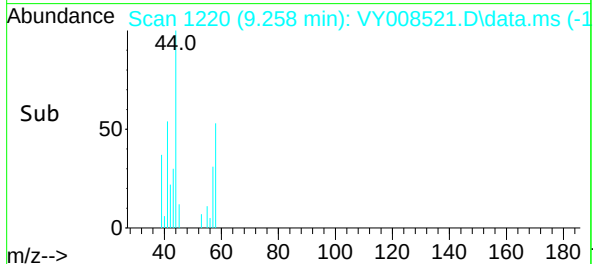
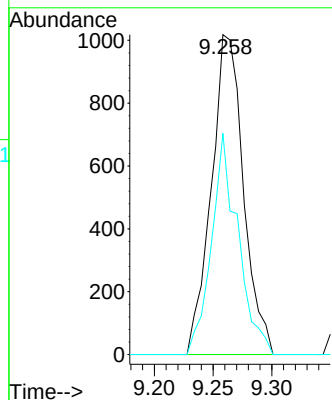
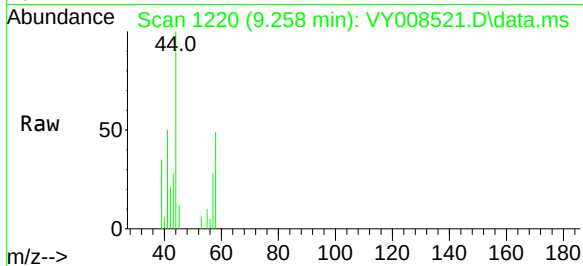




#48
Methyl methacrylate
Concen: 3.175 ug/l
RT: 9.258 min Scan# 11527
Delta R.T. -0.031 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

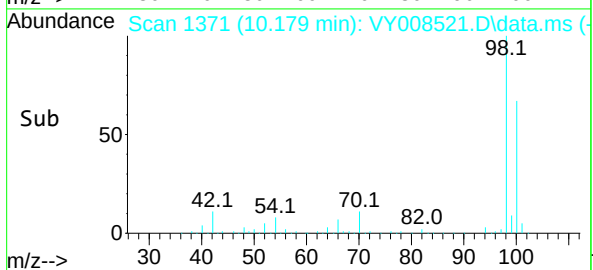
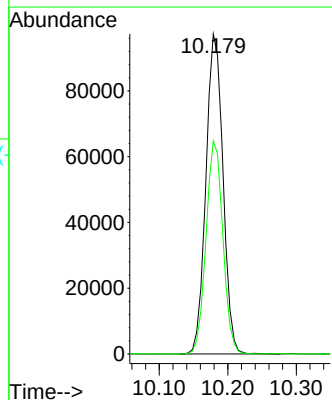
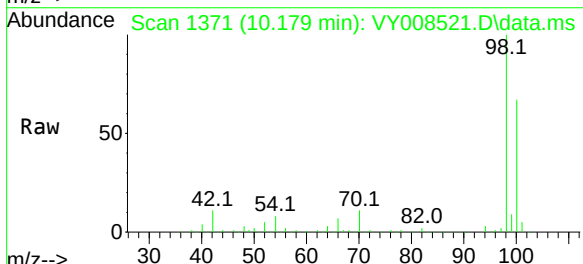
Instrument :
MSVOA_Y
ClientSampleId :
1527

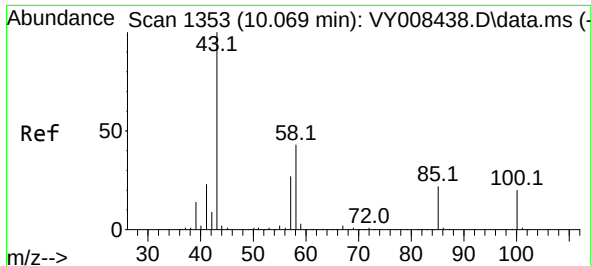
Tgt Ion: 41 Resp: 1935
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.2 47.4 71.0



#50
Toluene-d8
Concen: 47.908 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 98 Resp: 168799
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

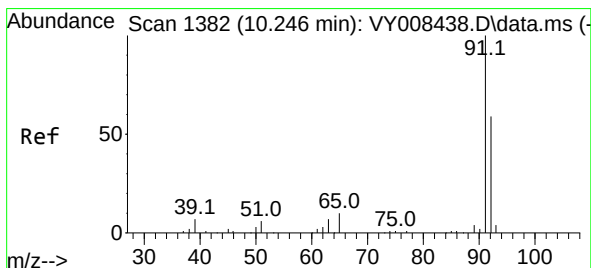
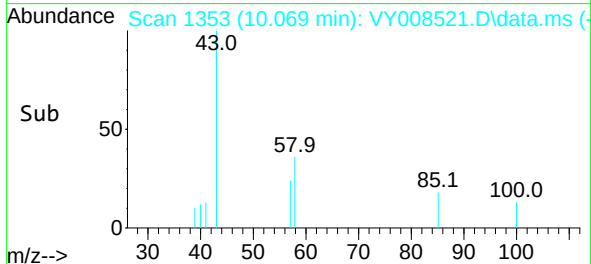
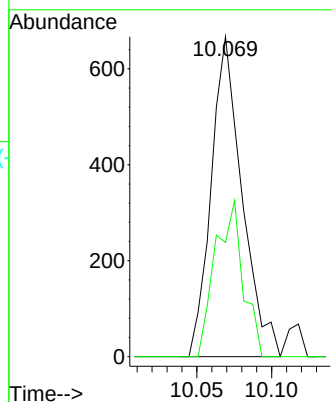
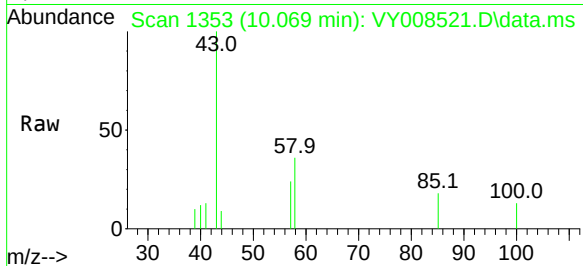




#51
4-Methyl-2-Pentanone
Concen: 1.271 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

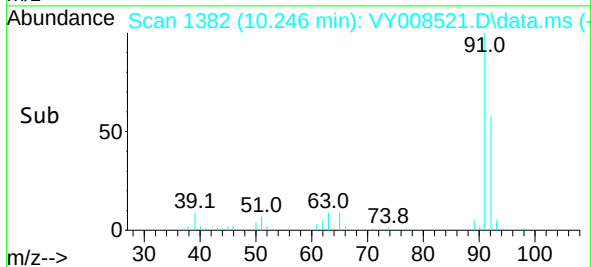
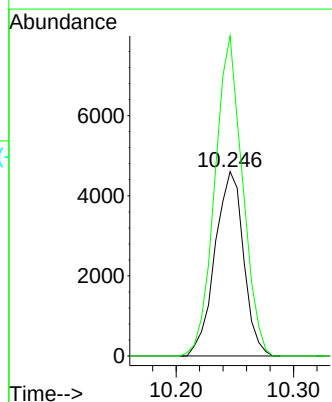
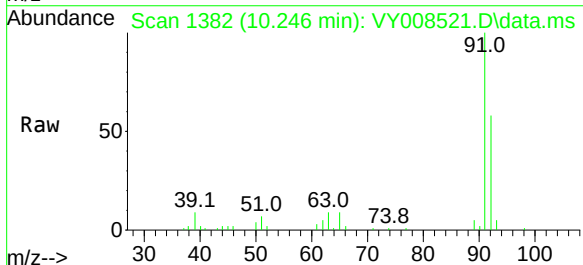
Instrument :
MSVOA_Y
ClientSampleId :
1527

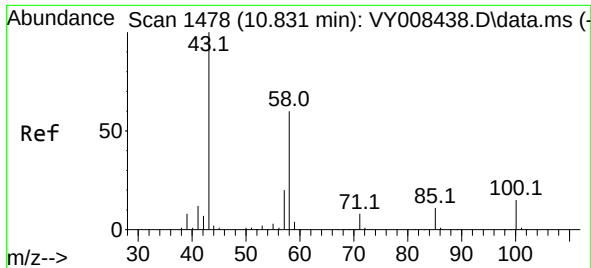
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 43.8 28.1 42.1#



#52
Toluene
Concen: 2.862 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 92 Resp: 7782
Ion Ratio Lower Upper
92 100
91 168.2 142.6 213.8

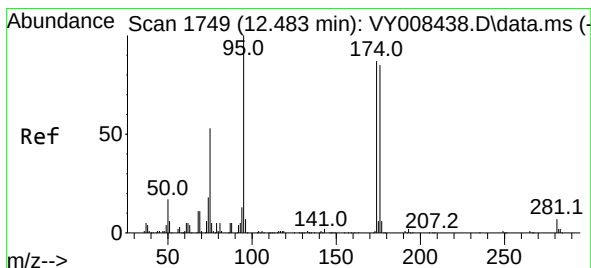
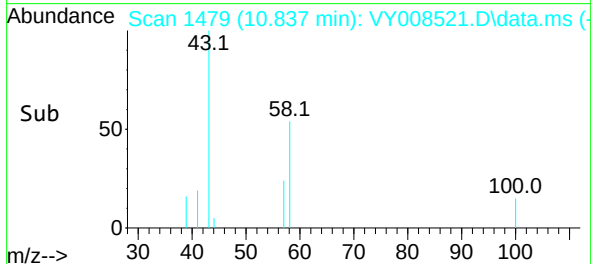
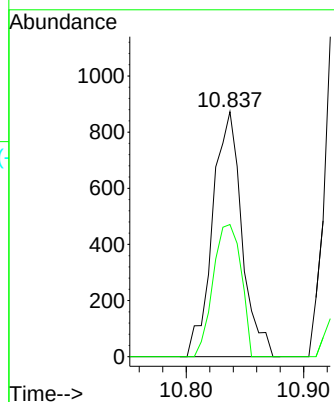
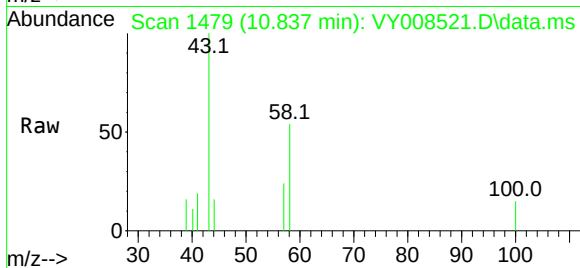




#59
2-Hexanone
Concen: 2.918 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

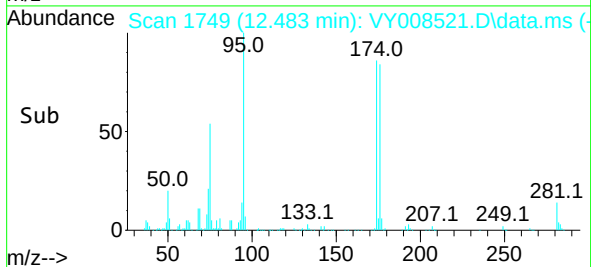
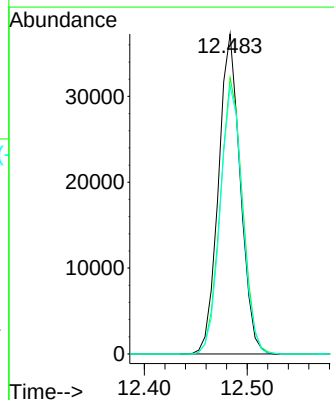
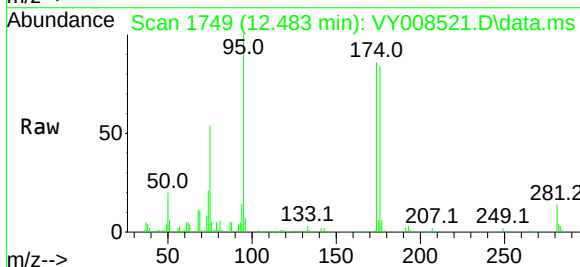
Instrument :
MSVOA_Y
ClientSampleId :
1527

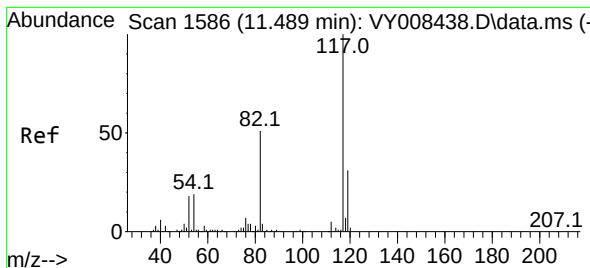
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 51.4 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 45.933 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 95 Resp: 54792
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.0
176 85.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

1527

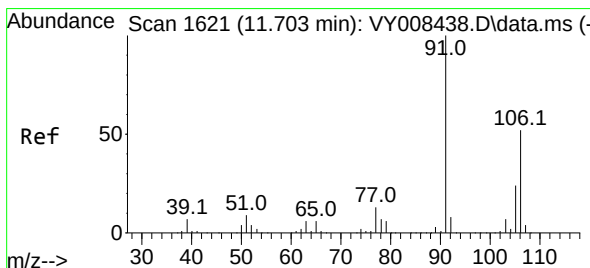
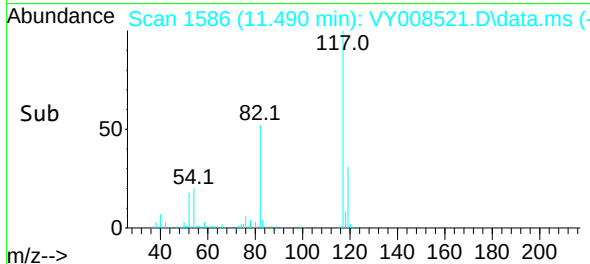
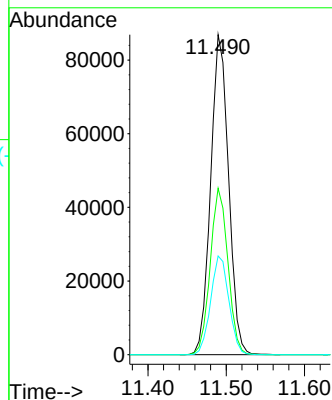
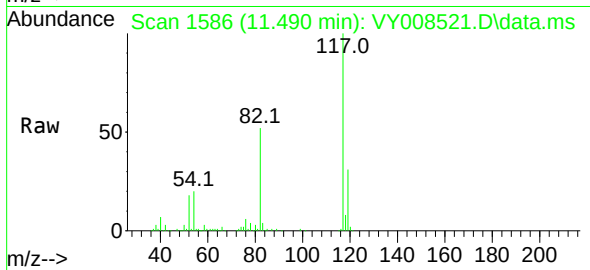
Tgt Ion:117 Resp: 137773

Ion Ratio Lower Upper

117 100

82 52.0 43.0 64.4

119 30.8 25.4 38.0



#68

m/p-Xylenes

Concen: 1.701 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY008521.D

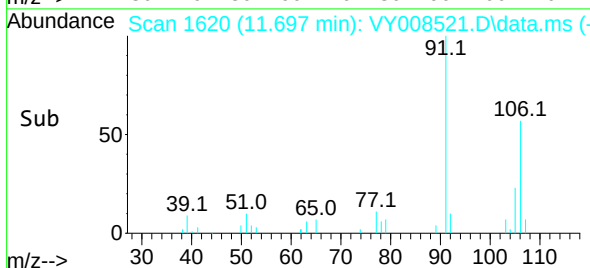
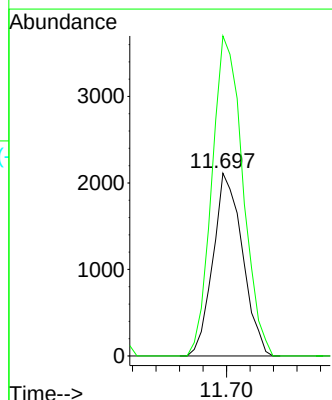
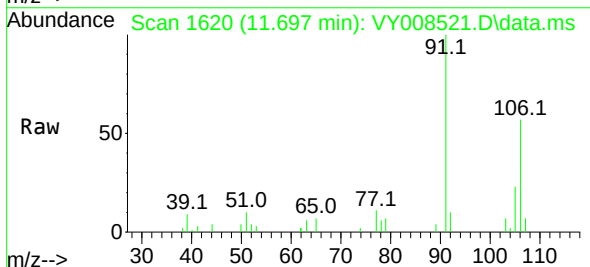
Acq: 27 Apr 2022 12:51

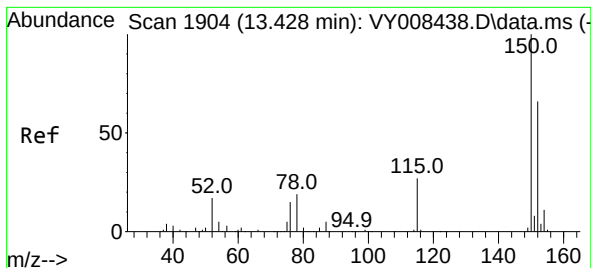
Tgt Ion:106 Resp: 3683

Ion Ratio Lower Upper

106 100

91 183.1 166.6 249.8

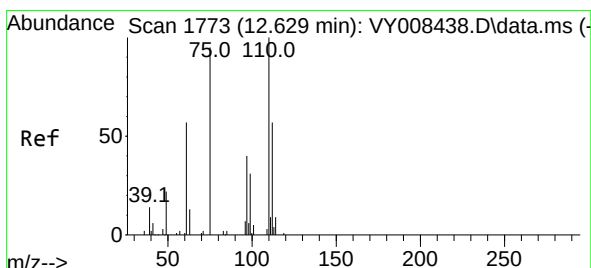
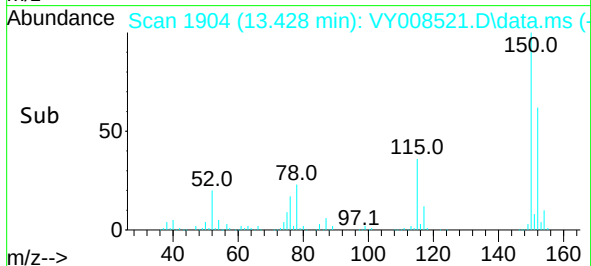
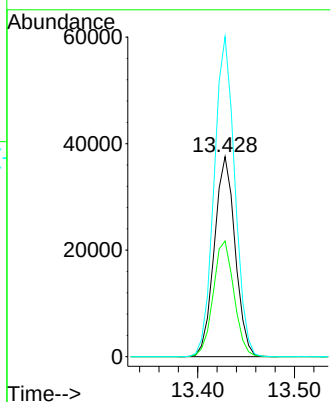
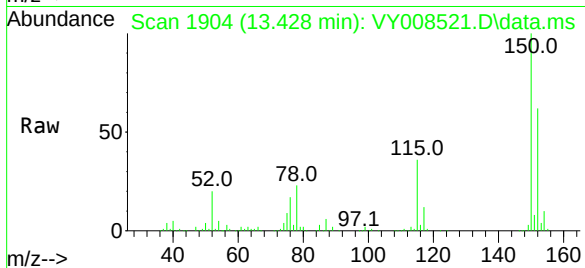




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1527
 Delta R.T. 0.000 min
 Lab File: VY008521.D
 Acq: 27 Apr 2022 12:51

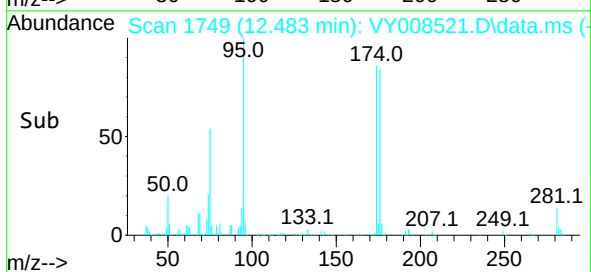
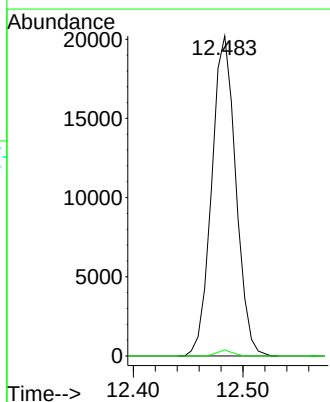
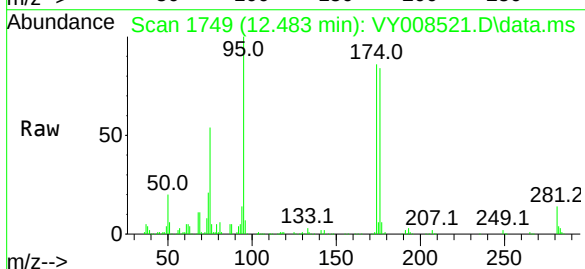
Instrument :
 MSVOA_Y
 ClientSampleId :
 1527

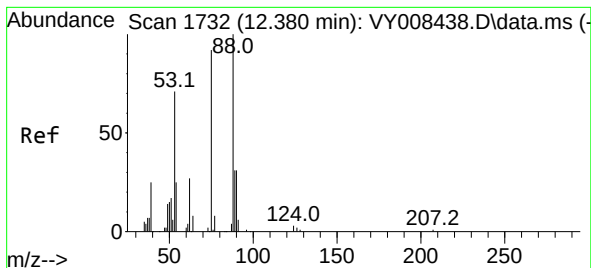
Tgt Ion:152 Resp: 56193
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.2 84.7
 150 158.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 42.495 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008521.D
 Acq: 27 Apr 2022 12:51

Tgt Ion: 75 Resp: 30904
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

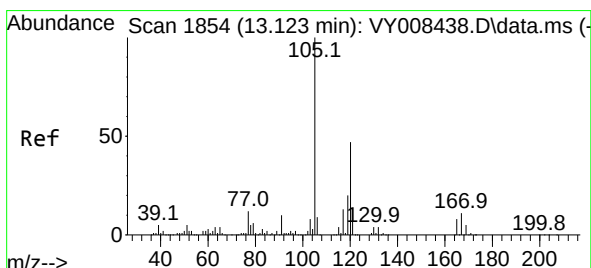
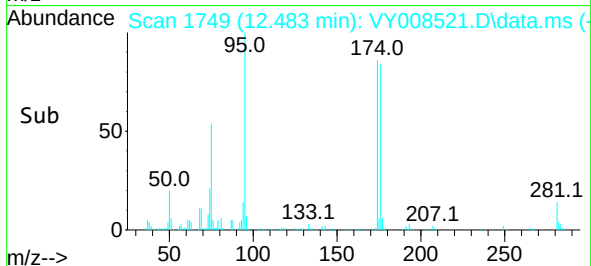
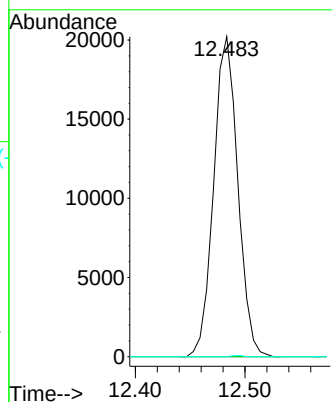
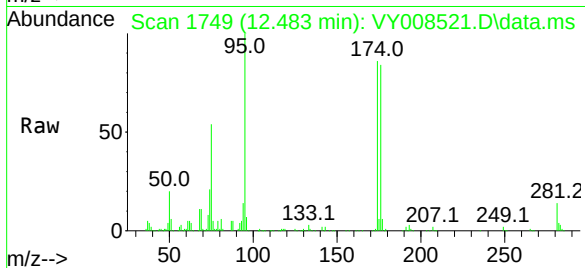




#81
trans-1,4-Dichloro-2-butene
Concen: 98.585 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

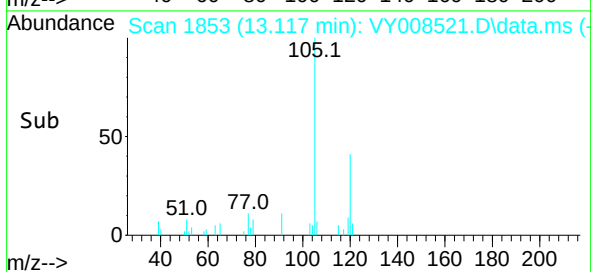
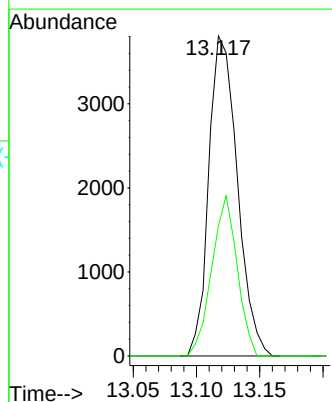
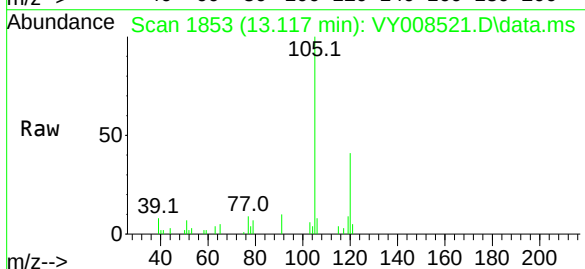
Instrument :
MSVOA_Y
ClientSampleId :
1527

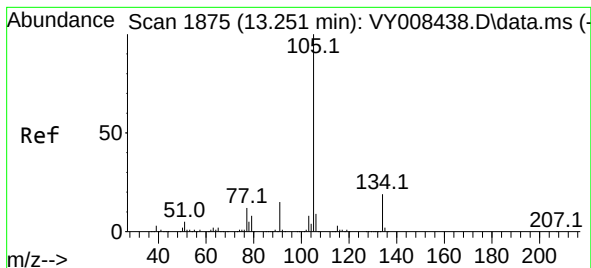
Tgt Ion: 75 Resp: 30904
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.703 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY008521.D
Acq: 27 Apr 2022 12:51

Tgt Ion: 105 Resp: 5974
Ion Ratio Lower Upper
105 100
120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 1.289 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Instrument :

MSVOA_Y

ClientSampleId :

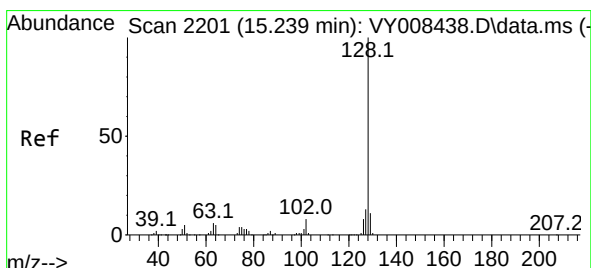
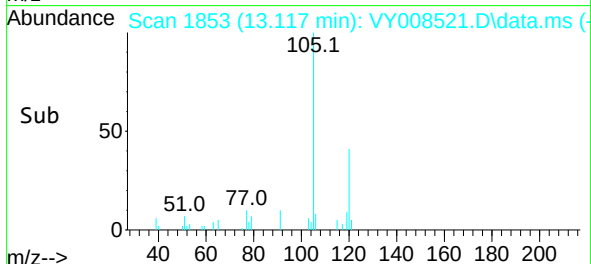
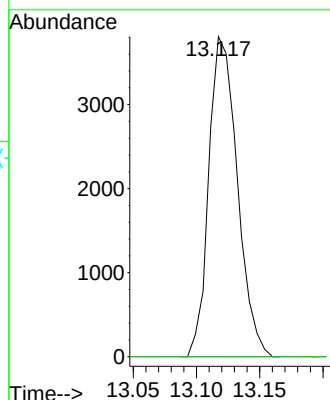
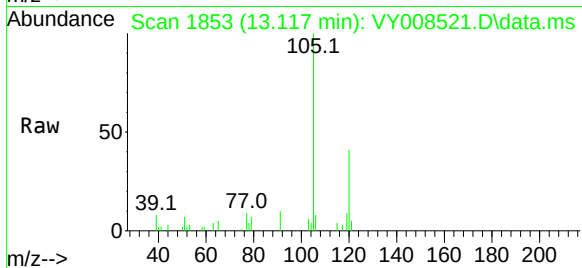
1527

Tgt Ion:105 Resp: 5974

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#



#95

Naphthalene

Concen: 2.213 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY008521.D

Acq: 27 Apr 2022 12:51

Tgt Ion:128 Resp: 5165

Ion Ratio Lower Upper

128 100

127 10.6 11.0 16.4#

129 10.0 8.4 12.6

