

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033022\
 Data File : VY008114.D
 Acq On : 30 Mar 2022 16:51
 Operator : SY/MD
 Sample : N2155-08RE
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22L076-HRE

Quant Time: Mar 31 04:34:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

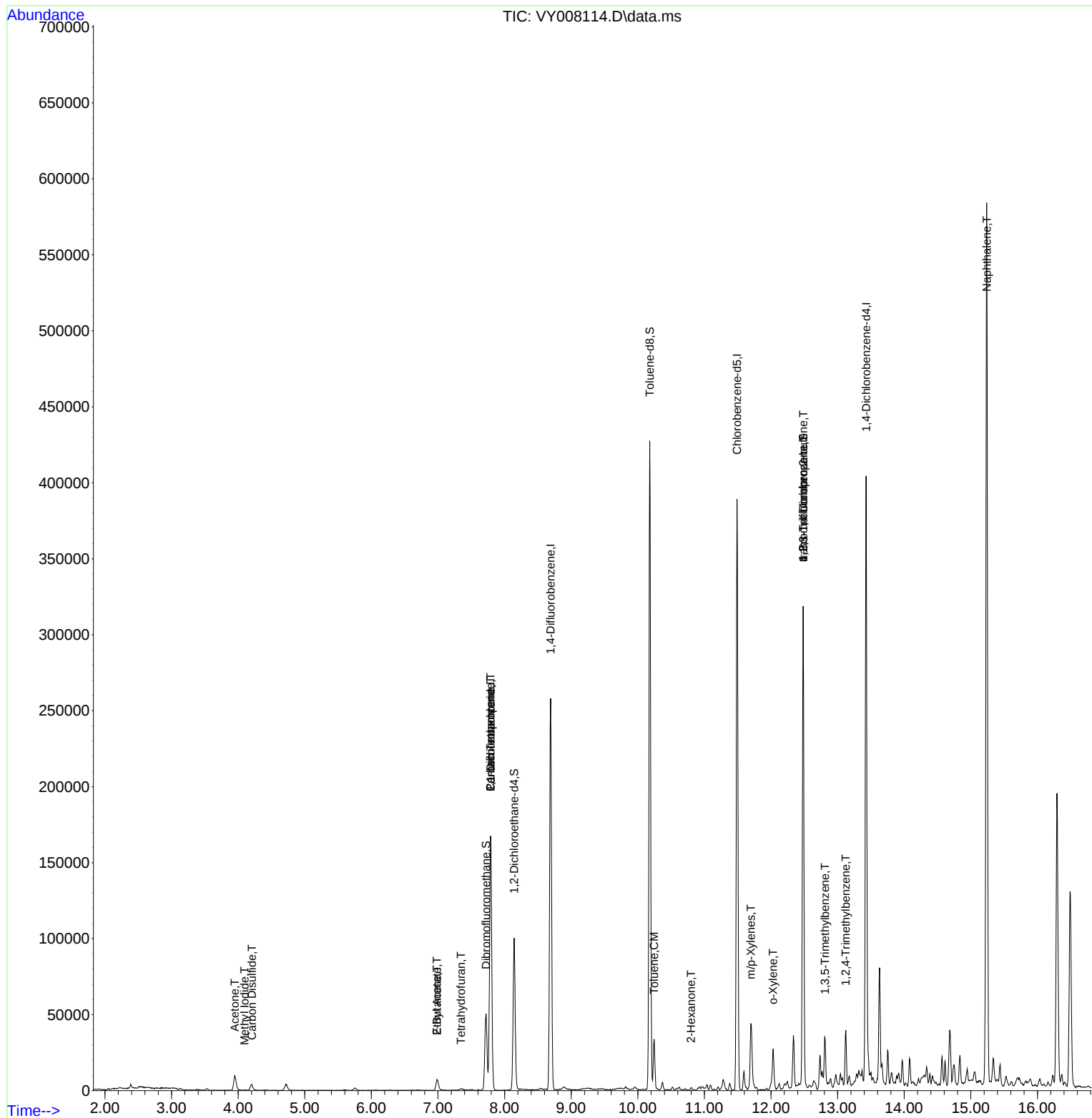
Internal Standards						
1) Pentafluorobenzene	7.789	168	130484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	224182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	73707	56.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.722	113	36807	24.893	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 49.780%#	
50) Toluene-d8	10.179	98	283647	50.918	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.483	95	100550	51.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.320%	
Target Compounds						Qvalue
10) Methyl Iodide	4.095	142	294	1.860	ug/l #	53
16) Acetone	3.948	43	16037	53.594	ug/l #	88
17) Carbon Disulfide	4.204	76	6905	1.760	ug/l #	92
18) Methyl Acetate	4.497	43	24	Below Cal	#	56
20) Methylene Chloride	4.716	84	3114	Below Cal	#	84
25) 2-Butanone	6.984	43	11155	24.497	ug/l #	78
29) Tetrahydrofuran	7.344	42	623	2.104	ug/l #	56
36) 1,1-Dichloropropene	7.789	75	10066	4.334	ug/l #	51
37) Ethyl Acetate	6.984	43	11155	10.281	ug/l #	72
38) Carbon Tetrachloride	7.789	117	12566	4.965	ug/l #	15
52) Toluene	10.246	92	14110	3.238	ug/l	97
59) 2-Hexanone	10.801	43	766	1.019	ug/l #	28
68) m/p-Xylenes	11.697	106	12405	3.521	ug/l	96
69) o-Xylene	12.032	106	6314	1.872	ug/l	90
76) 1,2,3-Trichloropropane	12.483	75	50553	41.031	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	7571	1.108	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	50553	91.547	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	20482	3.077	ug/l	99
95) Naphthalene	15.239	128	478887	108.278	ug/l	98

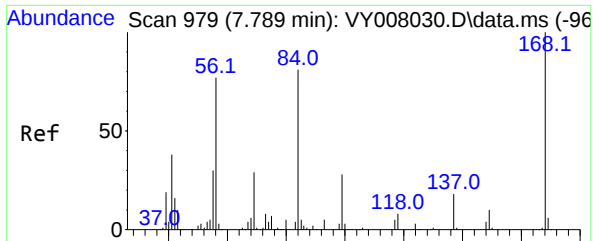
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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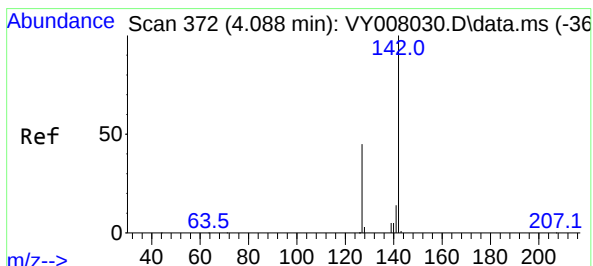
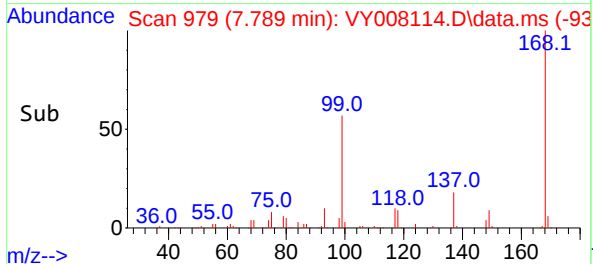
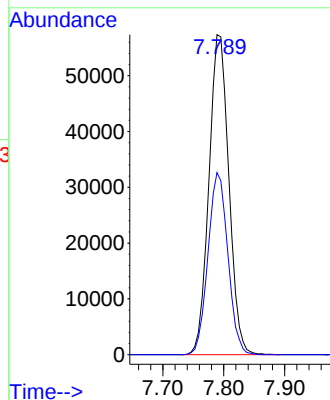
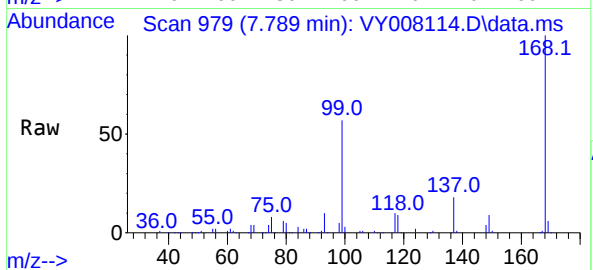




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

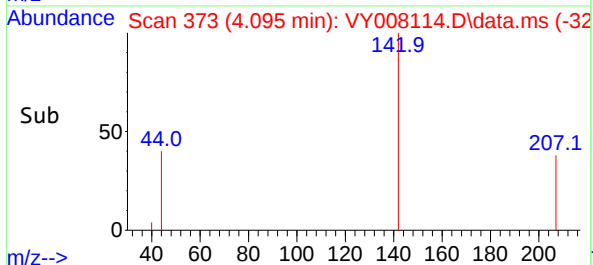
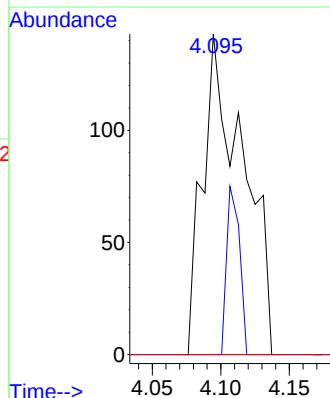
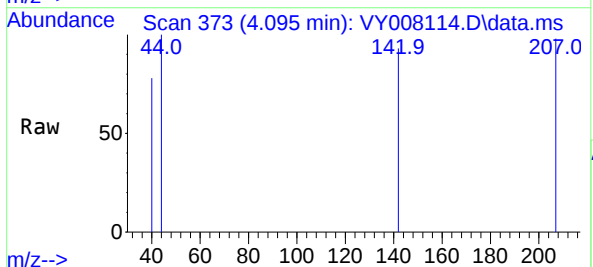
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

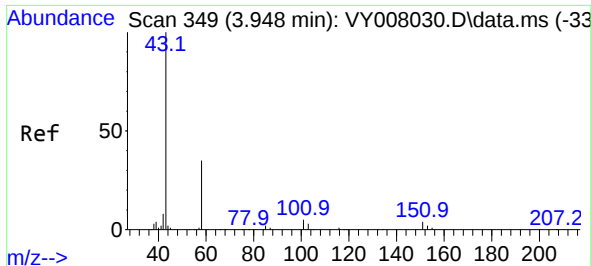
Tgt Ion:168 Resp: 130484
Ion Ratio Lower Upper
168 100
99 56.9 46.9 70.3



#10
Methyl Iodide
Concen: 1.860 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion:142 Resp: 294
Ion Ratio Lower Upper
142 100
127 16.7 41.5 62.3#
141 0.0 11.9 17.9#

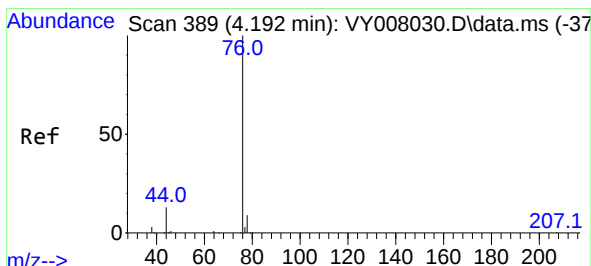
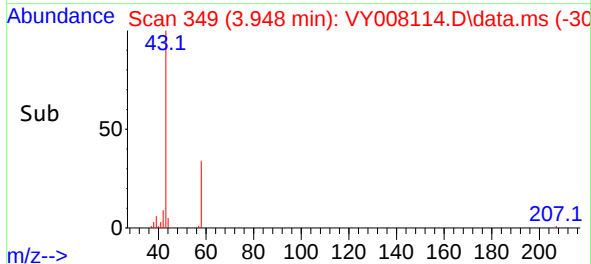
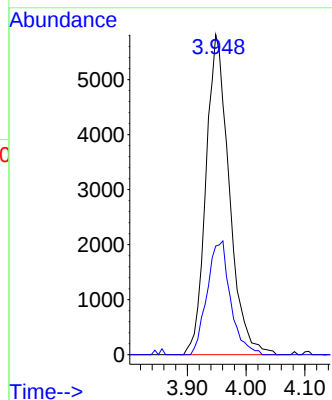
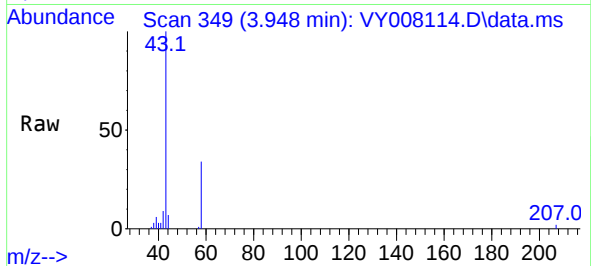




#16
Acetone
Concen: 53.594 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

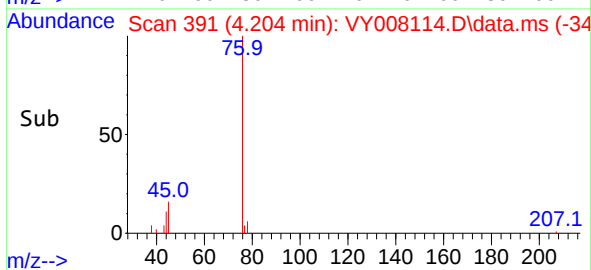
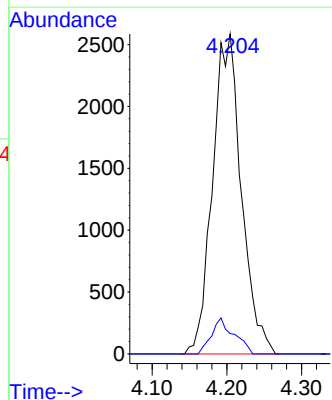
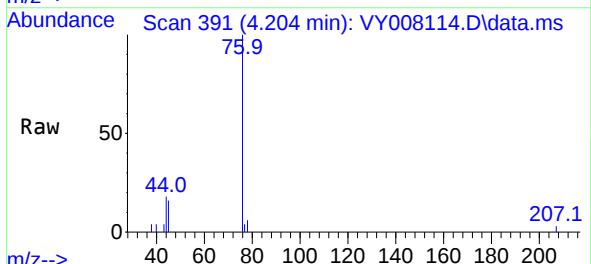
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

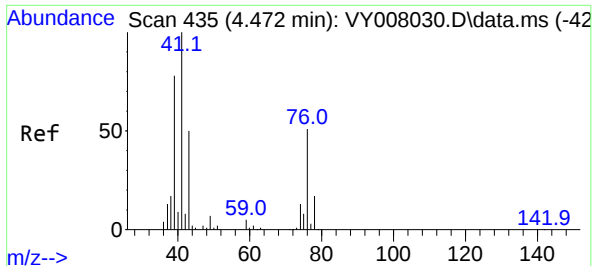
Tgt Ion: 43 Resp: 16037
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#



#17
Carbon Disulfide
Concen: 1.760 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 76 Resp: 6905
Ion Ratio Lower Upper
76 100
78 6.3 7.4 11.0#

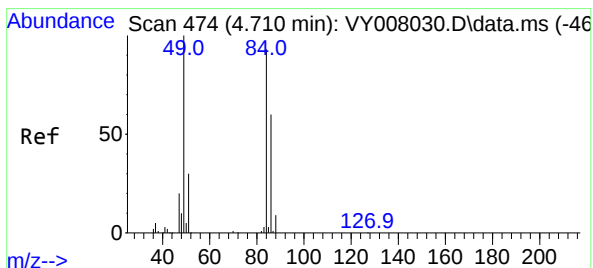
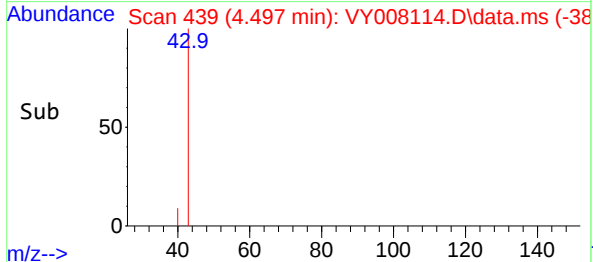
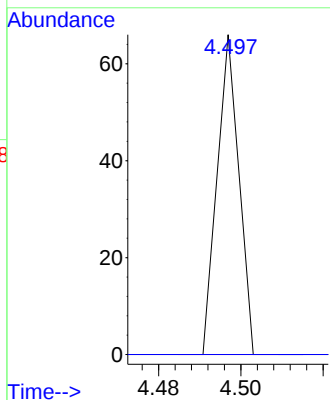
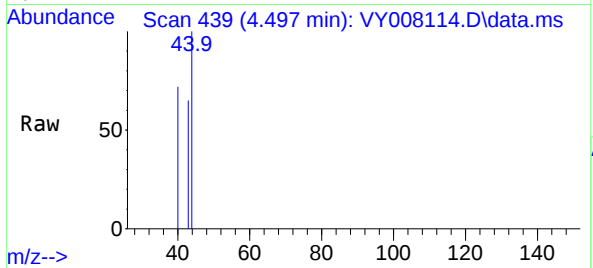




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

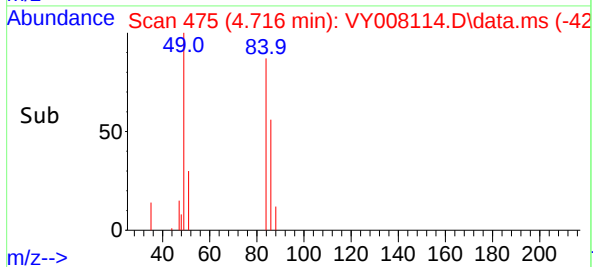
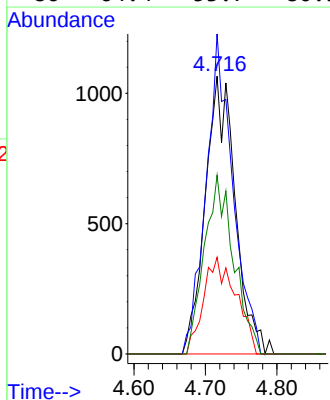
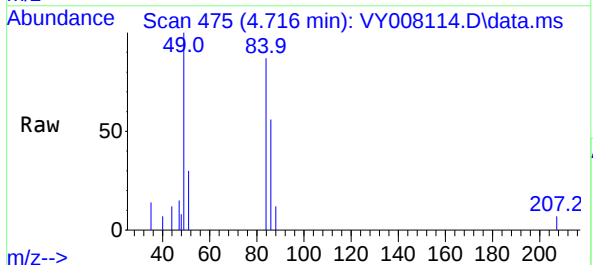
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

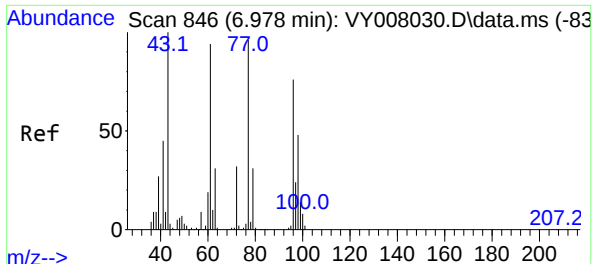
Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 84 Resp: 3114
Ion Ratio Lower Upper
84 100
49 115.2 114.4 171.6
51 34.8 35.3 52.9#
86 64.4 53.7 80.5





#25

2-Butanone

Concen: 24.497 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY008114.D

Acq: 30 Mar 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

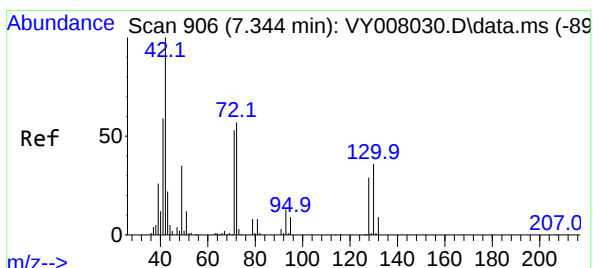
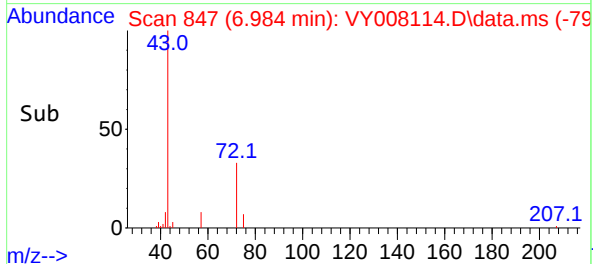
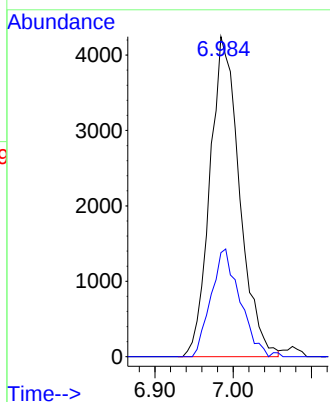
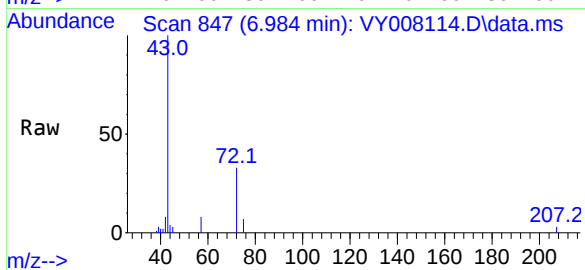
22L076-HRE

Tgt Ion: 43 Resp: 11155

Ion Ratio Lower Upper

43 100

72 32.5 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.104 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY008114.D

Acq: 30 Mar 2022 16:51

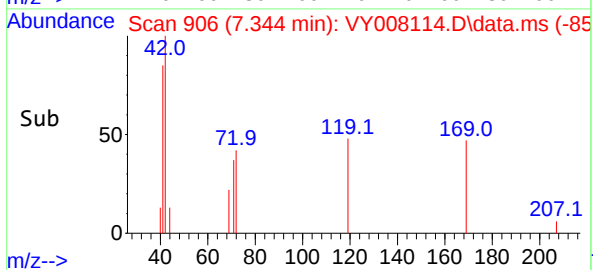
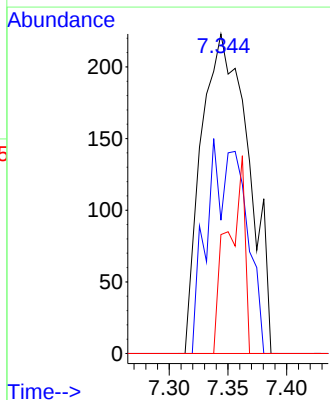
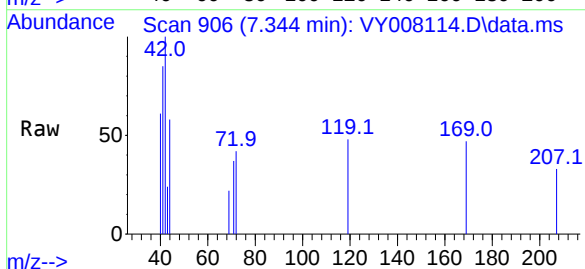
Tgt Ion: 42 Resp: 623

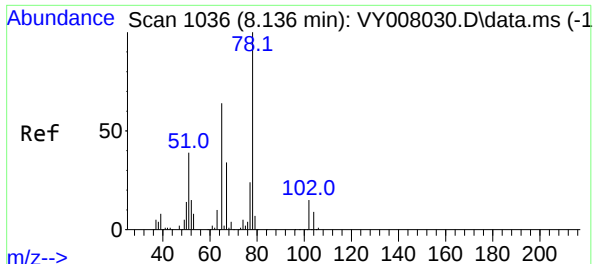
Ion Ratio Lower Upper

42 100

72 54.4 30.3 45.5#

71 0.0 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 56.302 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY008114.D

Acq: 30 Mar 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

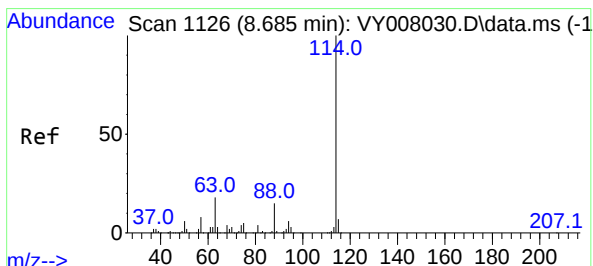
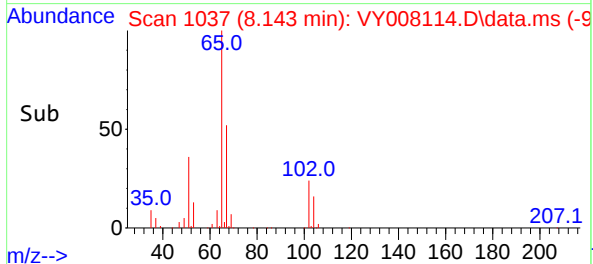
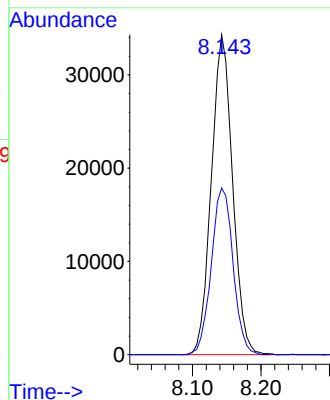
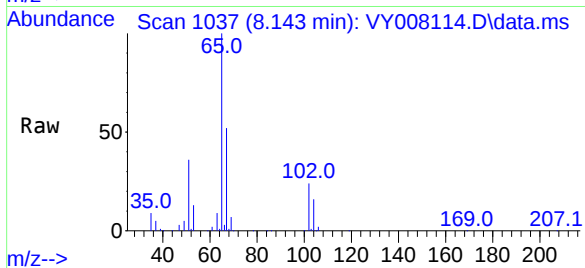
22L076-HRE

Tgt Ion: 65 Resp: 73707

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008114.D

Acq: 30 Mar 2022 16:51

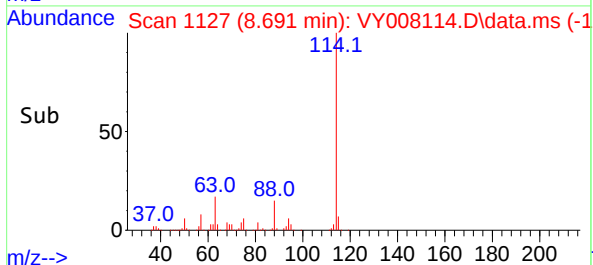
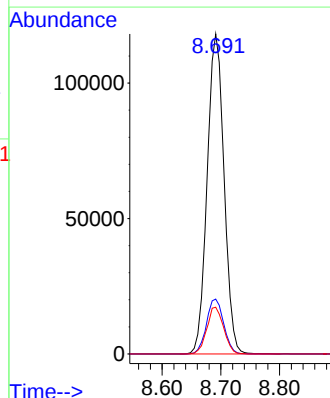
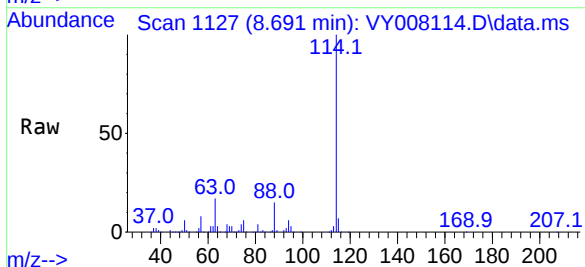
Tgt Ion: 114 Resp: 235834

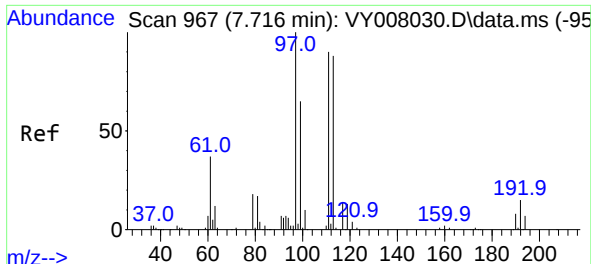
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.6 0.0 31.8

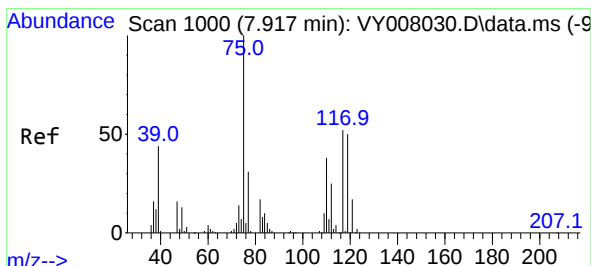
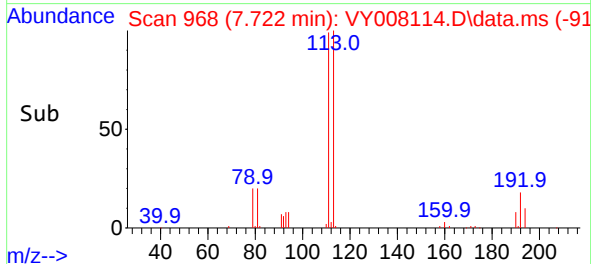
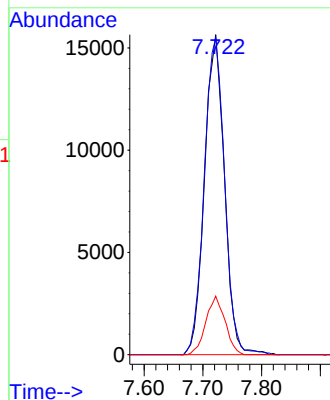
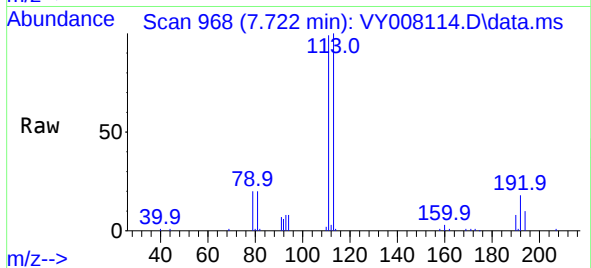




#35
Dibromofluoromethane
Concen: 24.893 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

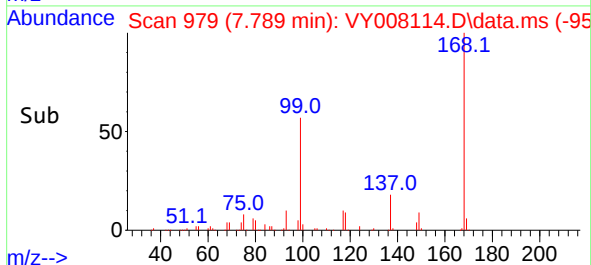
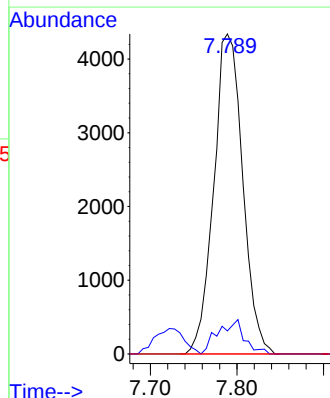
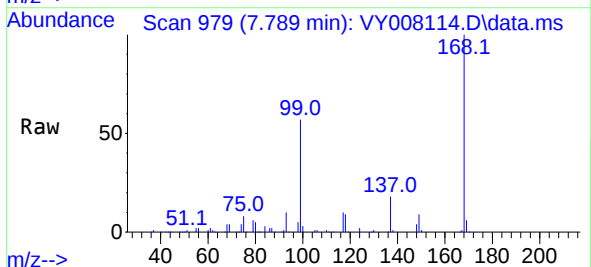
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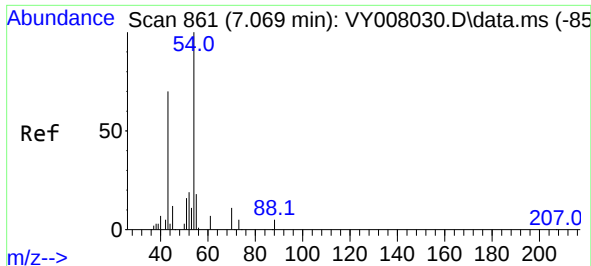
Tgt Ion:113 Resp: 36807
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 17.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.334 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 75 Resp: 10066
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#

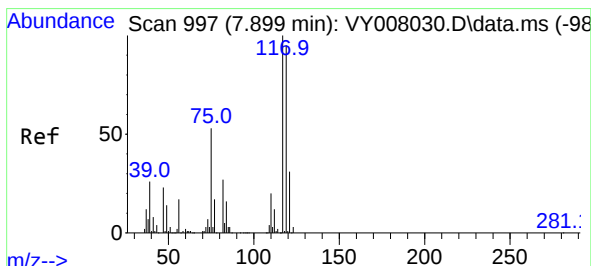
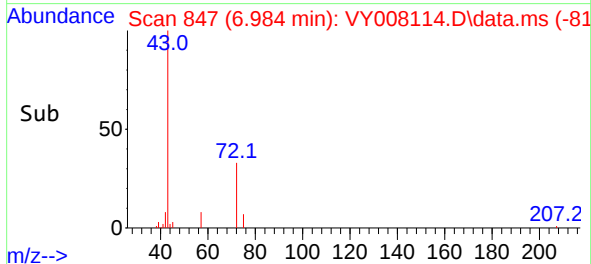
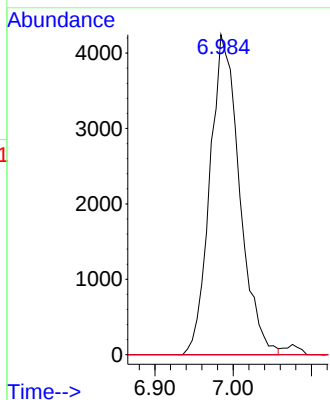
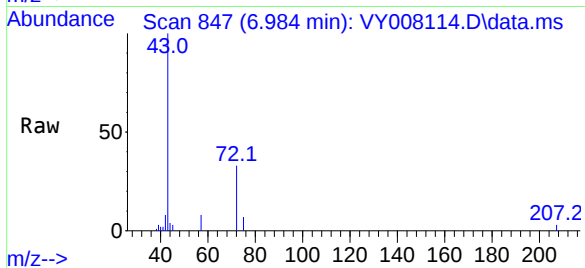




#37
Ethyl Acetate
Concen: 10.281 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

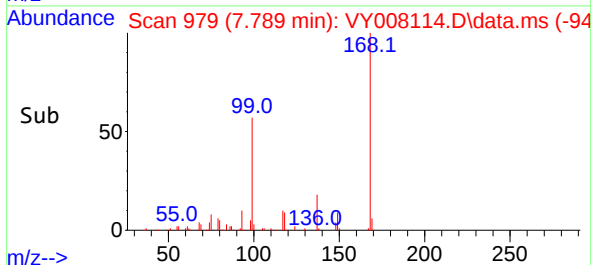
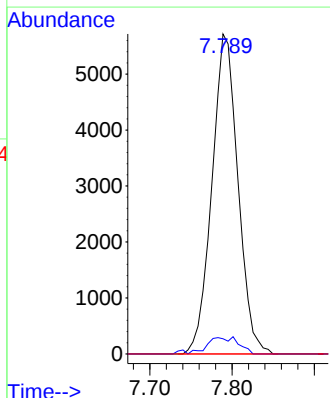
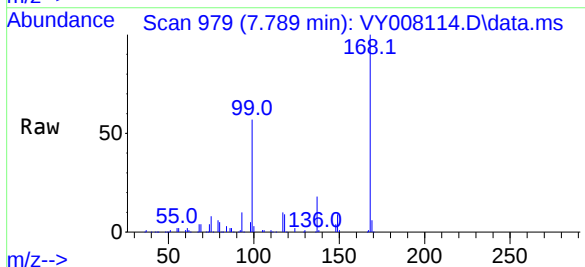
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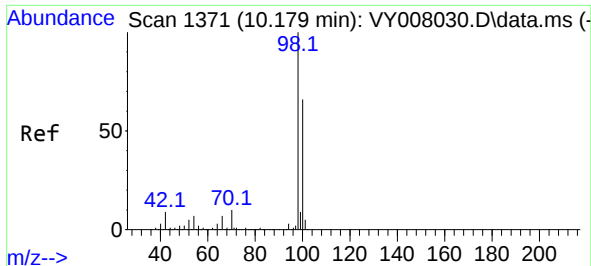
Tgt Ion: 43 Resp: 11155
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.965 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 117 Resp: 12566
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

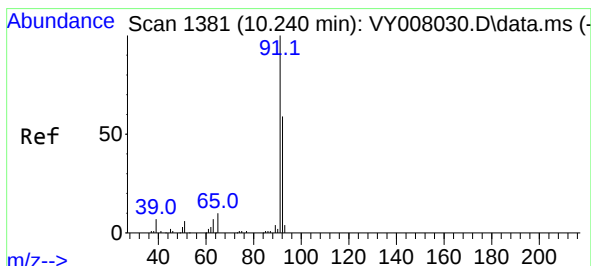
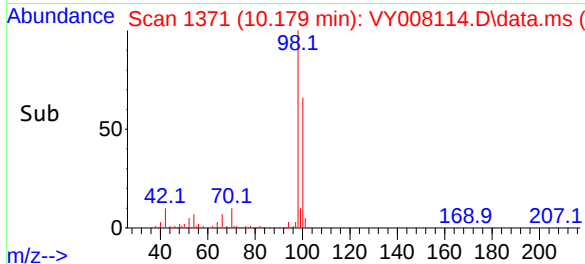
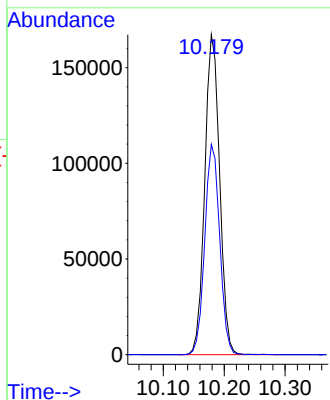
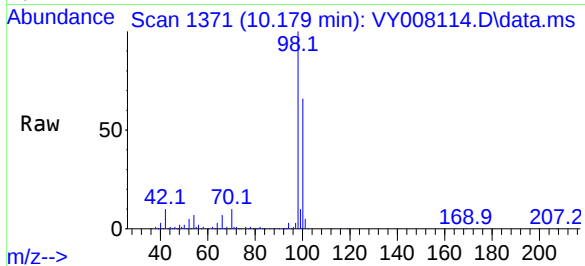




#50
Toluene-d8
Concen: 50.918 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

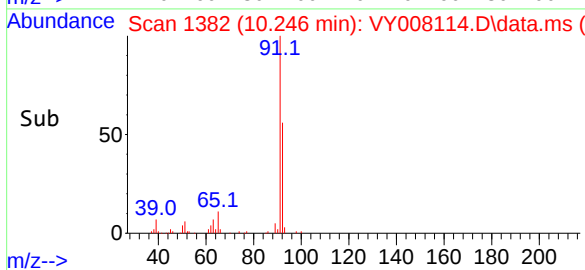
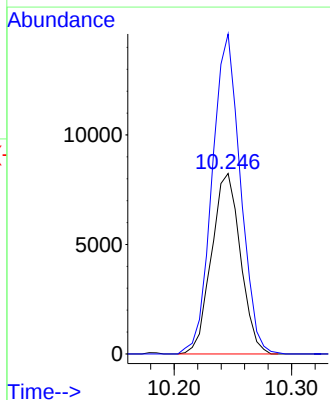
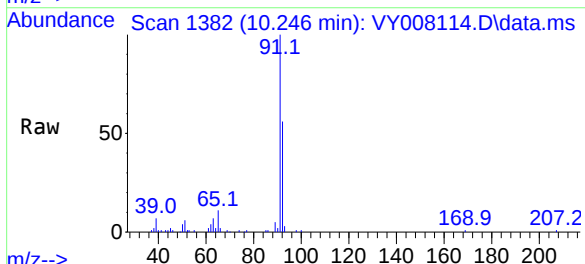
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

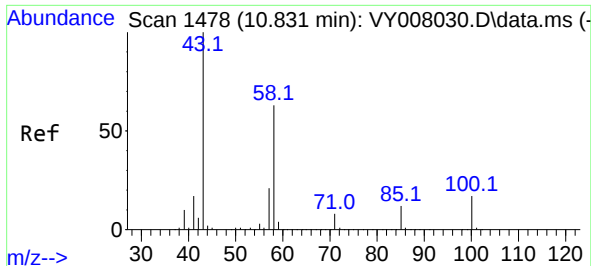
Tgt Ion: 98 Resp: 283647
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2



#52
Toluene
Concen: 3.238 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 92 Resp: 14110
Ion Ratio Lower Upper
92 100
91 173.3 142.6 213.8

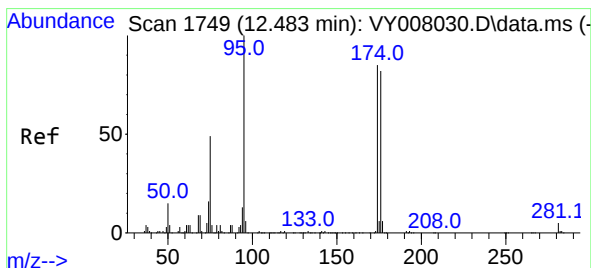
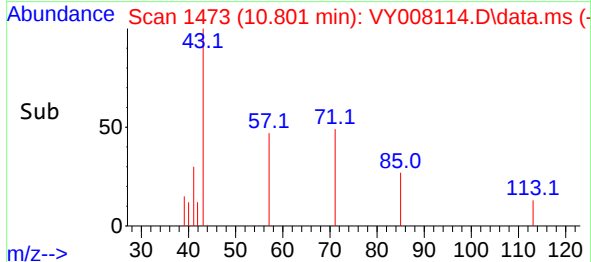
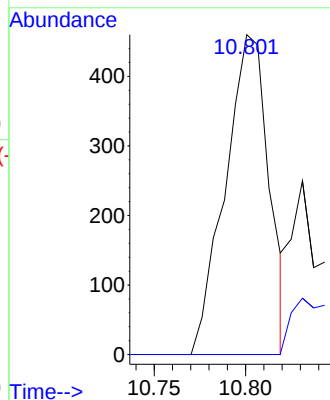
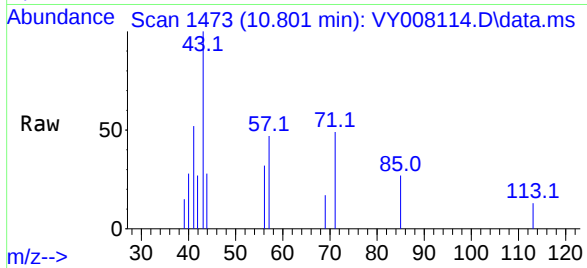




#59
2-Hexanone
Concen: 1.019 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

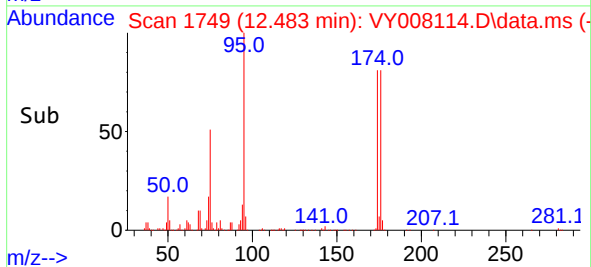
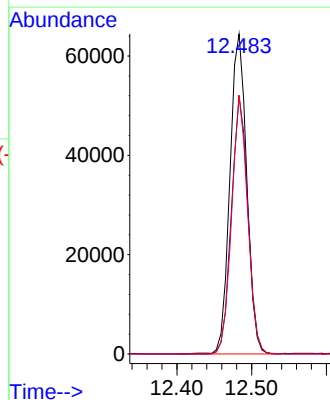
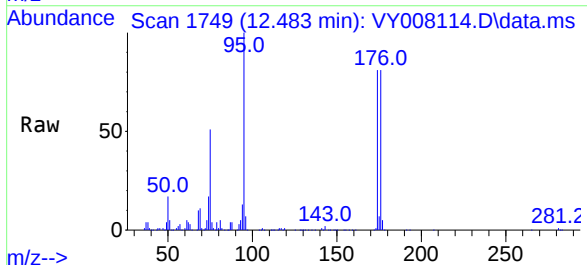
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

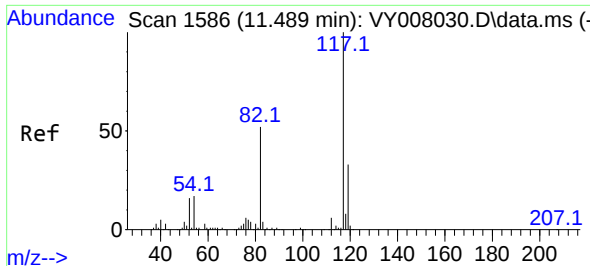
Tgt Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 95 Resp: 100550
Ion Ratio Lower Upper
95 100
174 79.0 0.0 177.0
176 76.8 0.0 175.8

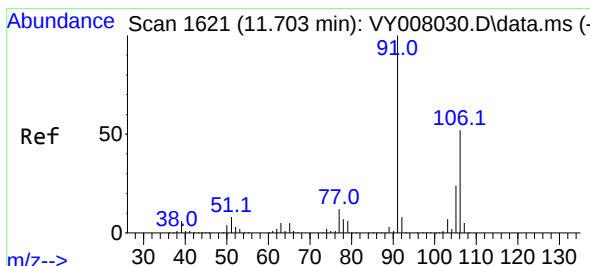
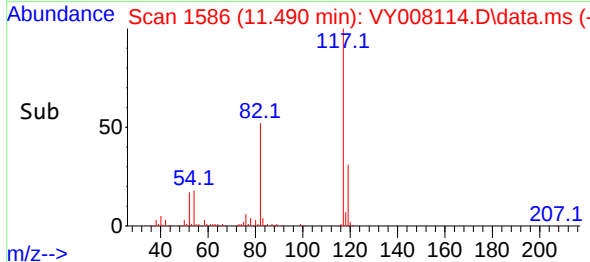
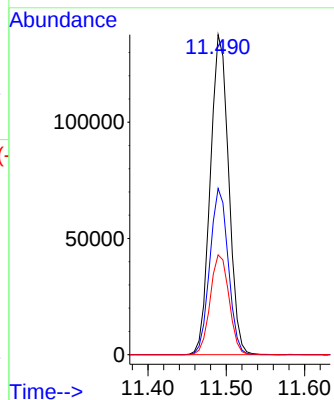
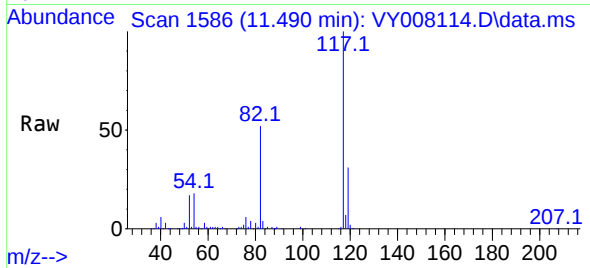




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

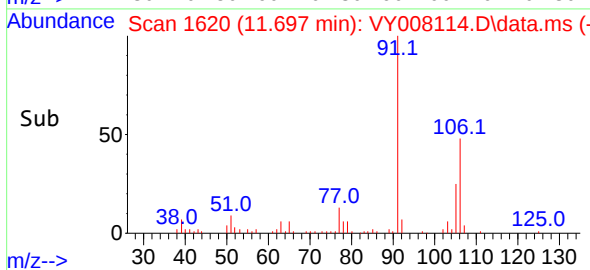
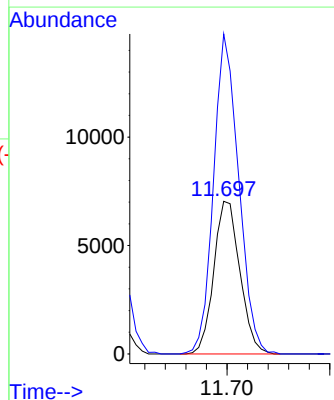
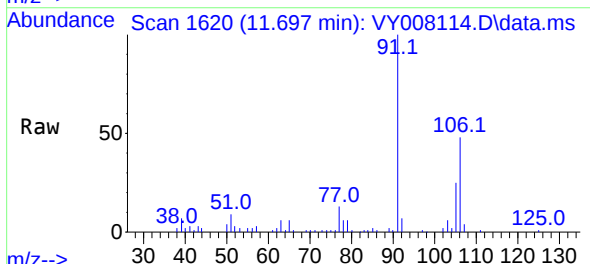
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

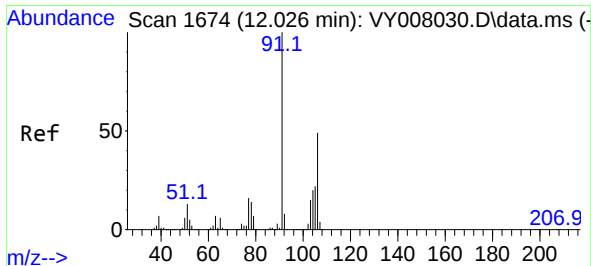
Tgt Ion:117 Resp: 224182
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 31.2 25.4 38.0



#68
m/p-Xylenes
Concen: 3.521 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion:106 Resp: 12405
Ion Ratio Lower Upper
106 100
91 201.7 166.6 249.8

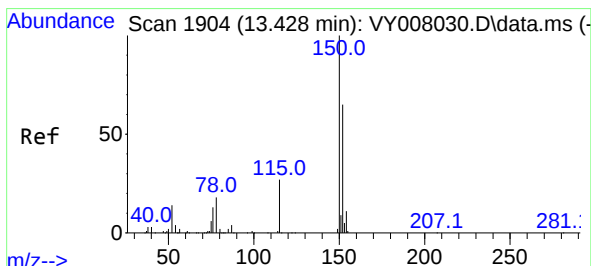
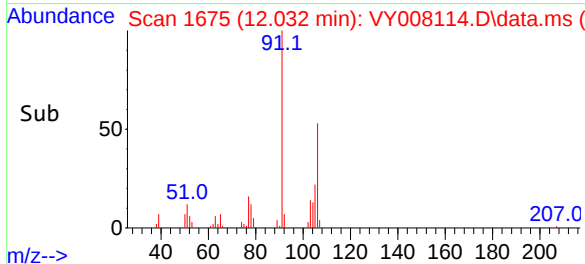
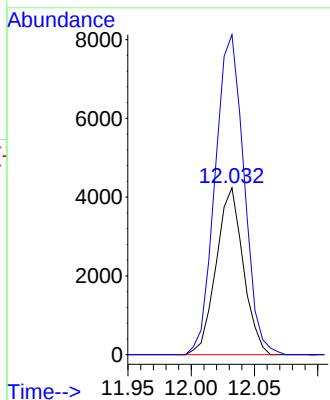
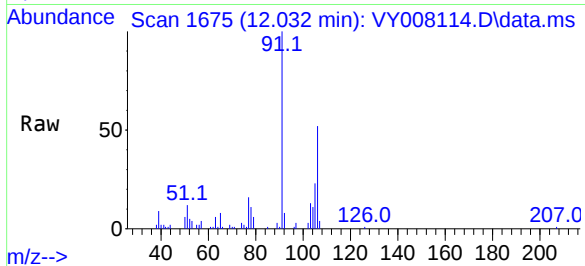




#69
o-Xylene
Concen: 1.872 ug/l
RT: 12.032 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

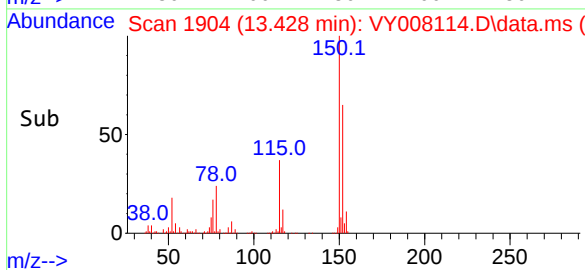
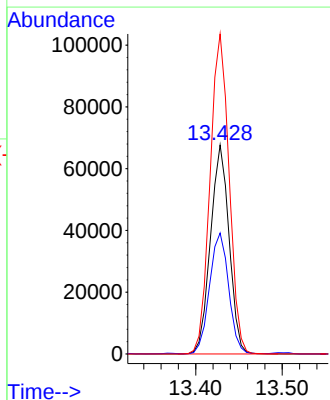
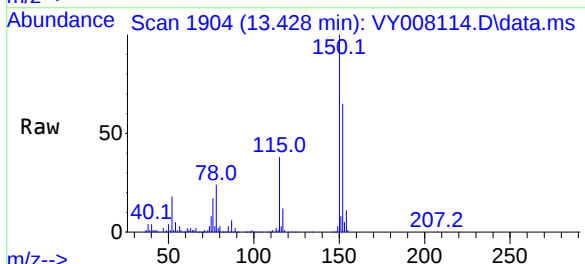
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

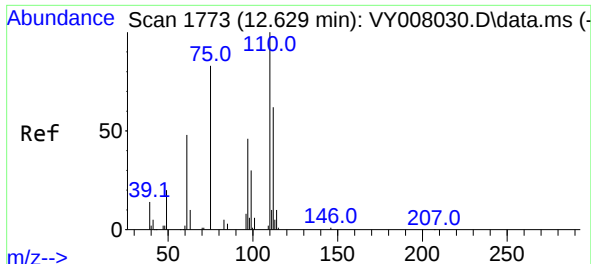
Tgt Ion:106 Resp: 6314
Ion Ratio Lower Upper
106 100
91 204.3 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion:152 Resp: 101071
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 156.3 0.0 347.6

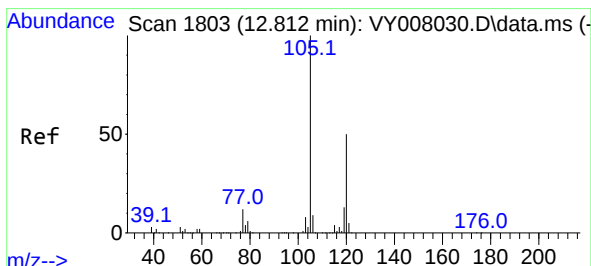
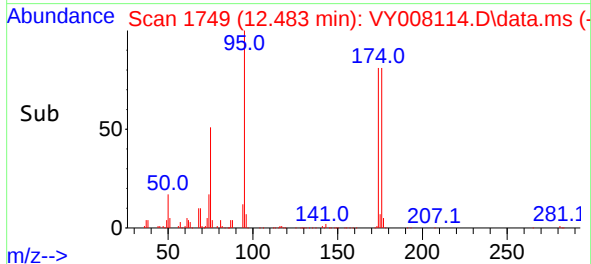
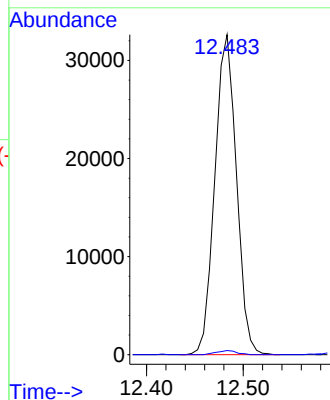
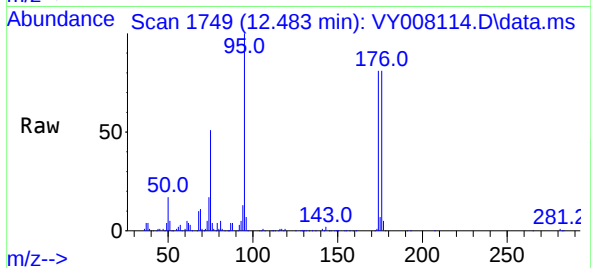




#76
1,2,3-Trichloropropane
Concen: 41.031 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

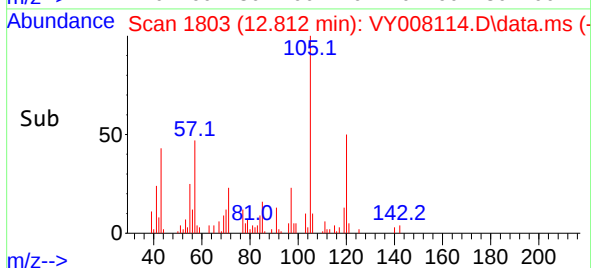
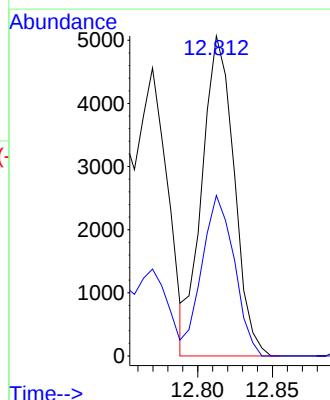
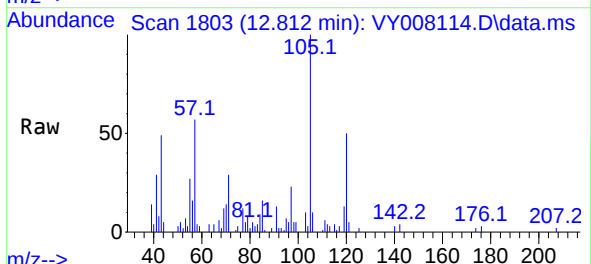
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

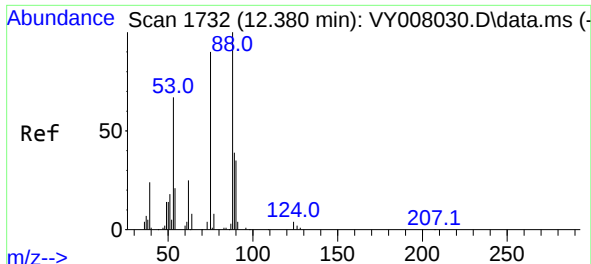
Tgt Ion: 75 Resp: 50553
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.108 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion: 105 Resp: 7571
Ion Ratio Lower Upper
105 100
120 50.6 24.4 73.4

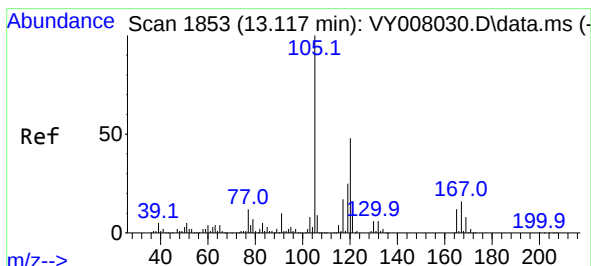
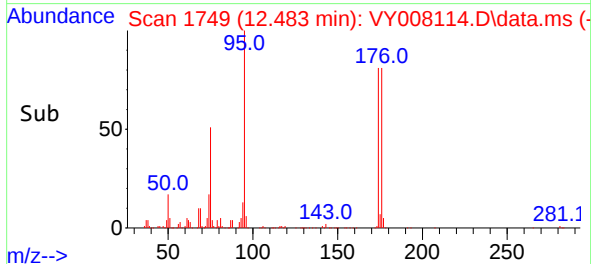
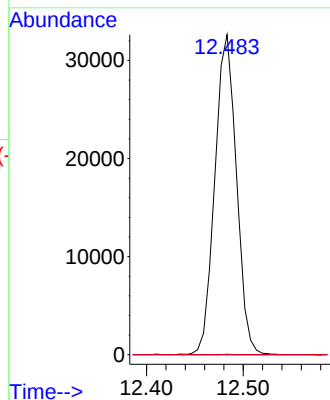
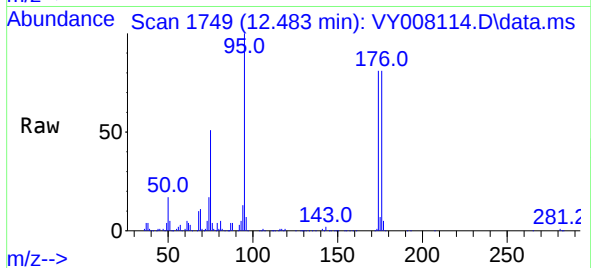




#81
trans-1,4-Dichloro-2-butene
Concen: 91.547 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

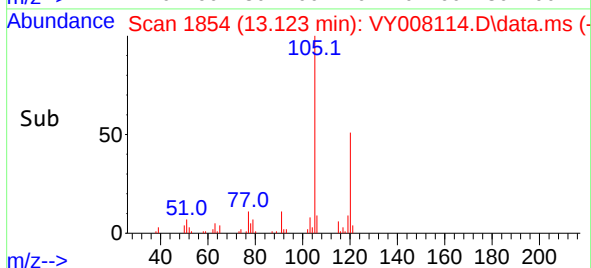
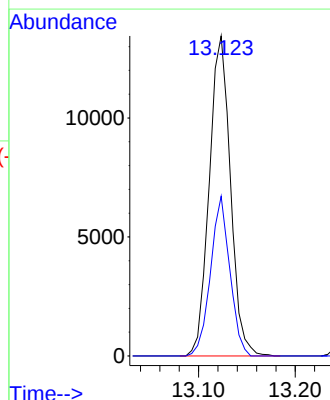
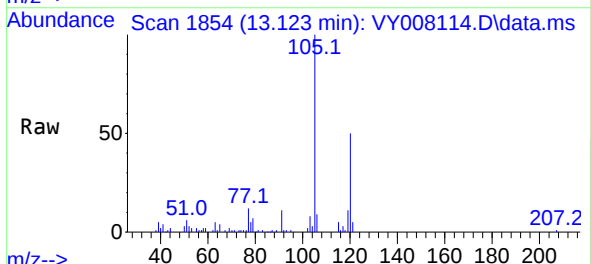
Instrument :
MSVOA_Y
ClientSampleId :
22L076-HRE

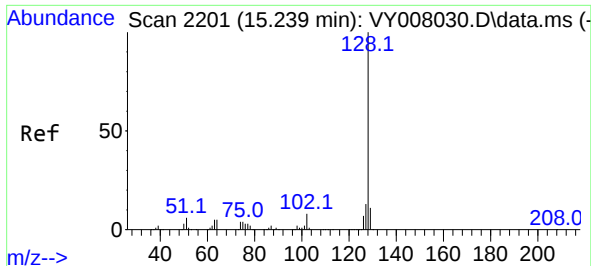
Tgt Ion: 75 Resp: 50553
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.077 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY008114.D
Acq: 30 Mar 2022 16:51

Tgt Ion:105 Resp: 20482
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.9





#95

Naphthalene

Concen: 108.278 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY008114.D

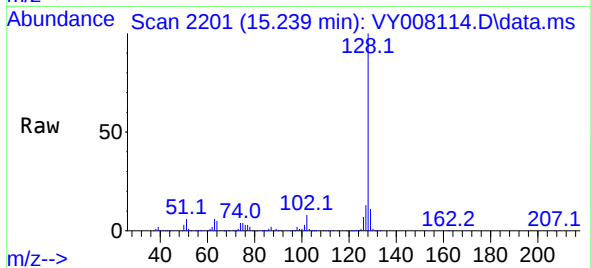
Acq: 30 Mar 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

22L076-HRE



Tgt Ion:128 Resp: 478887

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

129 11.1 8.4 12.6

