

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004392.D
 Acq On : 12 Apr 2021 18:23
 Operator : SY/MD
 Sample : M1998-11
 Misc : 5.26G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5B

Quant Time: Apr 13 03:57:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	312518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.149	65	113504	55.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.92%	
35) Dibromofluoromethane	7.728	113	92934	53.59	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.18%	
50) Toluene-d8	10.185	98	382343	51.83	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.66%	
62) 4-Bromofluorobenzene	12.483	95	131080	52.36	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.72%	

Target Compounds

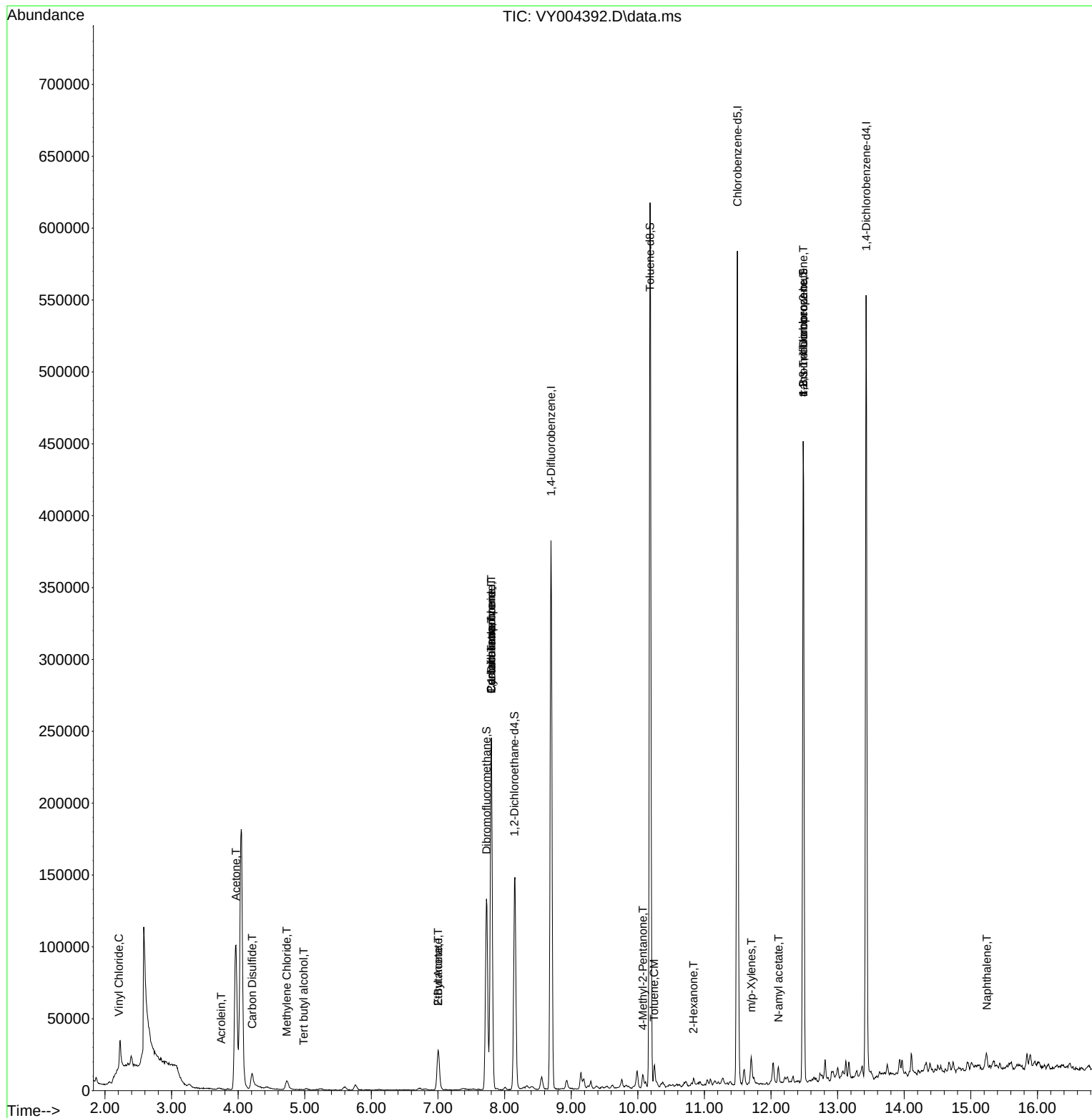
						Qvalue
4) Vinyl Chloride	2.211	62	5143	1.99	ug/l #	43
11) Tert butyl alcohol	4.985	59	226	1.13	ug/l #	73
13) Acrolein	3.747	56	585	2.63	ug/l #	15
16) Acetone	3.967	43	192785	464.27	ug/l	100
17) Carbon Disulfide	4.210	76	20929	3.84	ug/l	99
20) Methylene Chloride	4.729	84	4262	2.18	ug/l	94
25) 2-Butanone	7.003	43	48276	62.48	ug/l	99
31) Cyclohexane	7.801	56	4851	1.30	ug/l #	18
36) 1,1-Dichloropropene	7.801	75	14548	4.68	ug/l #	51
37) Ethyl Acetate	7.003	43	48276	24.14	ug/l #	71
38) Carbon Tetrachloride	7.801	117	18307	6.82	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	6302	3.24	ug/l	95
52) Toluene	10.246	92	6118	1.08	ug/l	91
59) 2-Hexanone	10.837	43	4259	3.26	ug/l	88
68) m/p-Xylenes	11.703	106	5289	1.28	ug/l	97
74) N-amyl acetate	12.111	43	7285	2.16	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	71844	51.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71844	92.52	ug/l #	12
95) Naphthalene	15.239	128	7111	1.33	ug/l #	92

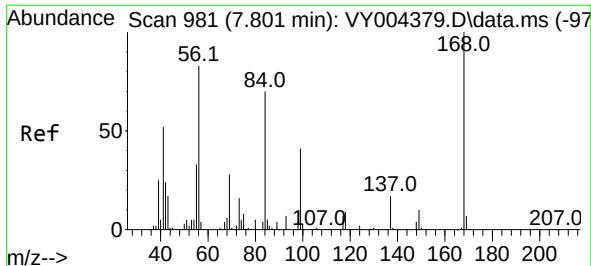
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

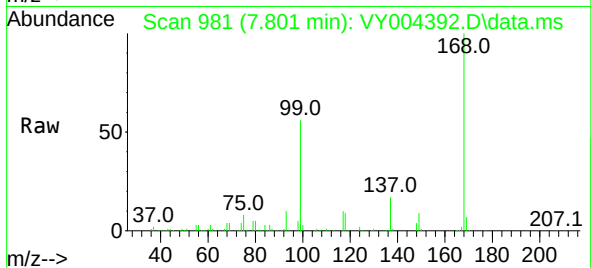
Quant Time: Apr 13 03:57:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 13 03:38:02 2021
Response via : Initial Calibration



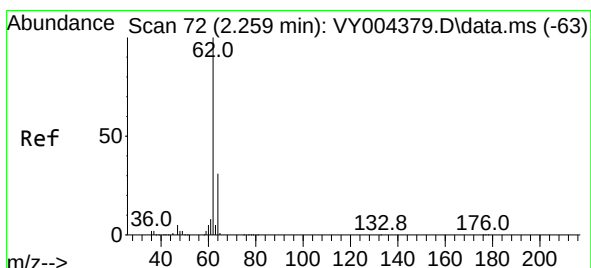
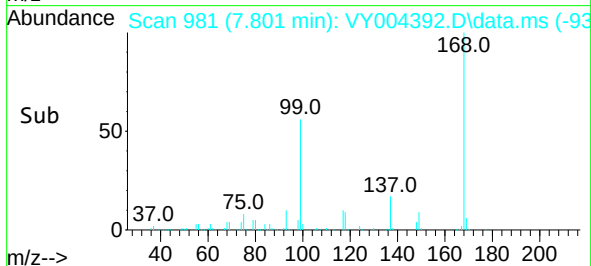
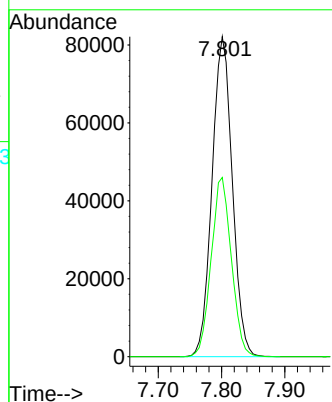


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Instrument :
MSVOA_Y
ClientSampled :
SB-5B

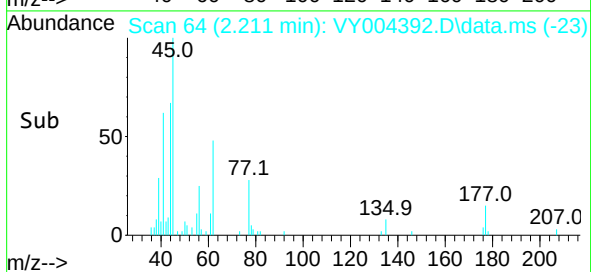
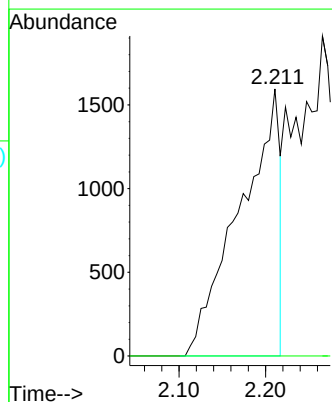
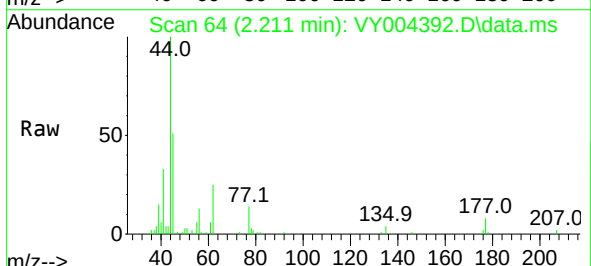


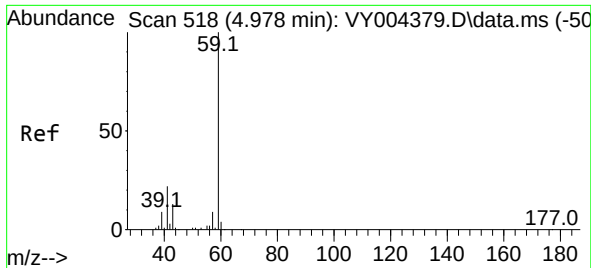
Tgt Ion:168 Resp: 182569
Ion Ratio Lower Upper
168 100
99 56.0 45.5 68.3



#4
Vinyl Chloride
Concen: 1.99 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.048 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 62 Resp: 5143
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#



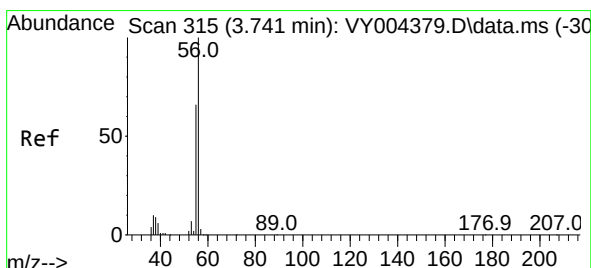
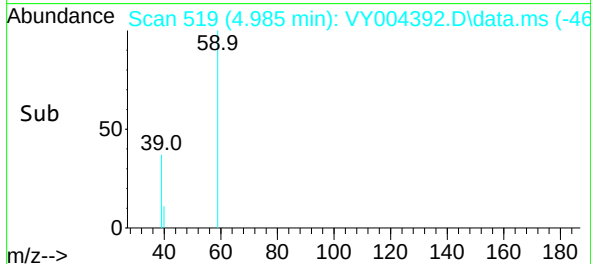
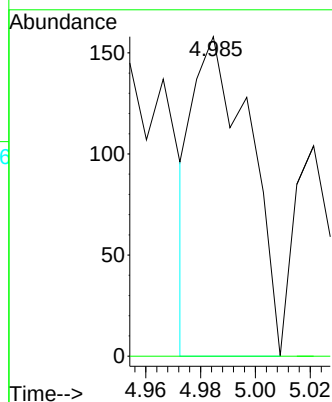
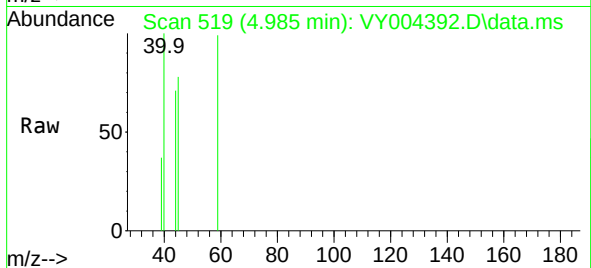


#11

Tert butyl alcohol
Concen: 1.13 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Instrument :
MSVOA_Y
ClientSampled :
SB-5B

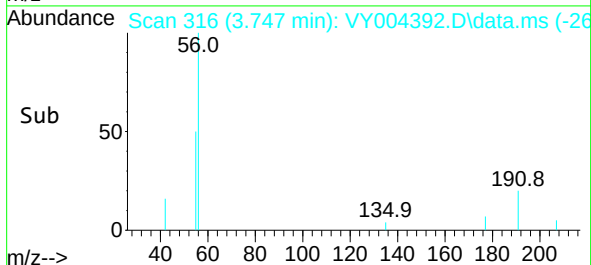
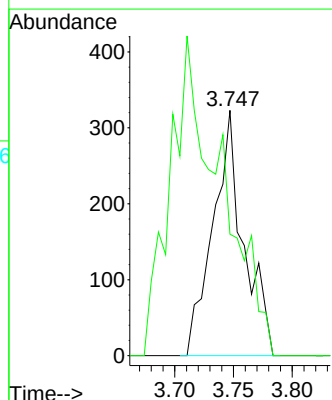
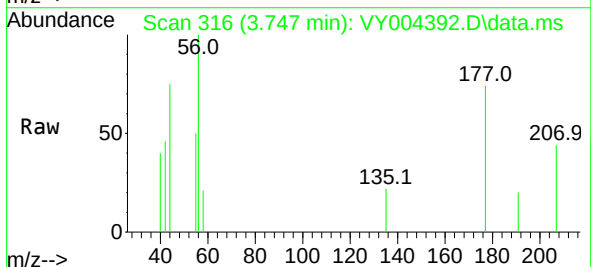
Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

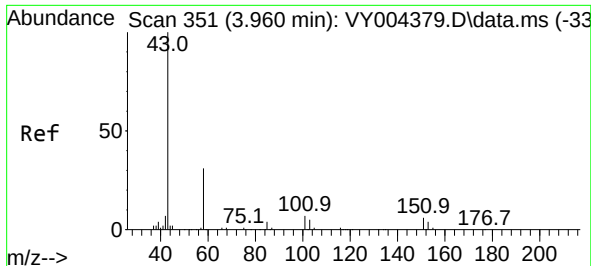


#13

Acrolein
Concen: 2.63 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#

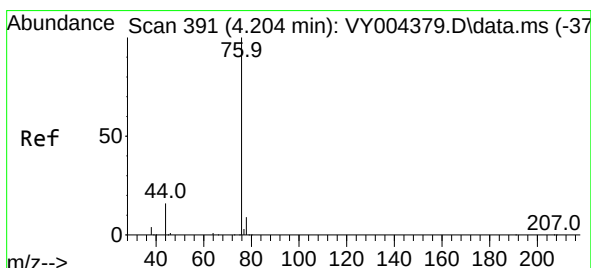
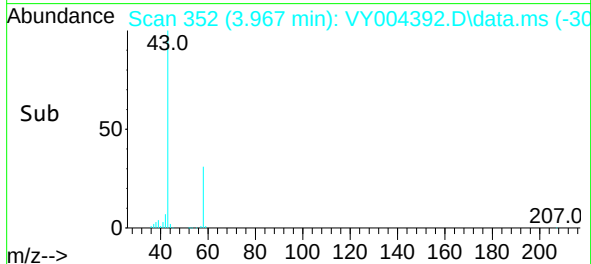
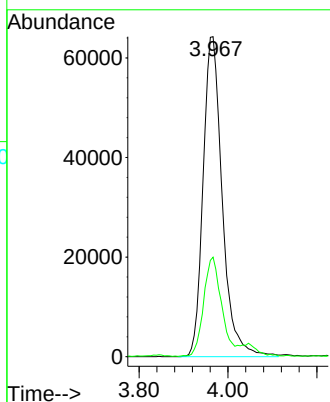
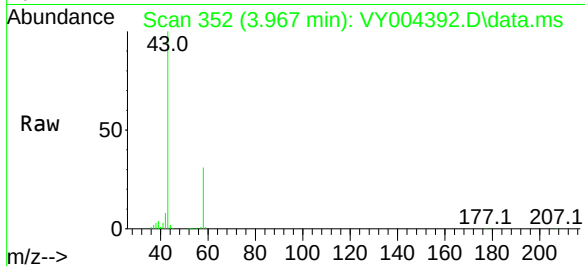




#16
Acetone
Concen: 464.27 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.007 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

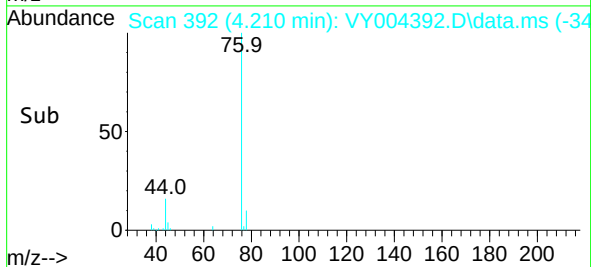
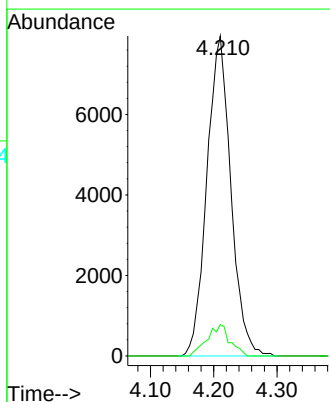
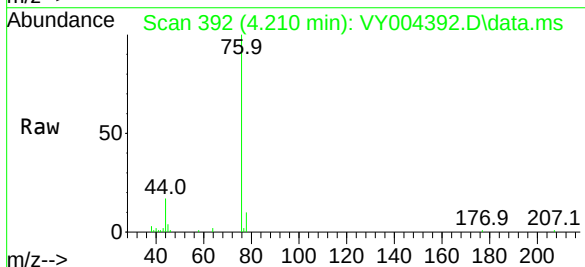
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

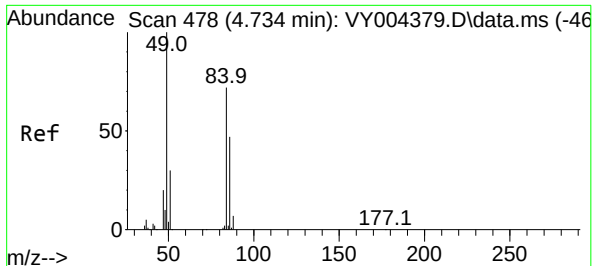
Tgt Ion: 43 Resp: 192785
Ion Ratio Lower Upper
43 100
58 31.0 24.6 37.0



#17
Carbon Disulfide
Concen: 3.84 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 76 Resp: 20929
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2





#20

Methylene Chloride

Concen: 2.18 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.006 min

Lab File: VY004392.D

Acq: 12 Apr 2021 18:23

Tgt Ion: 84 Resp: 4262

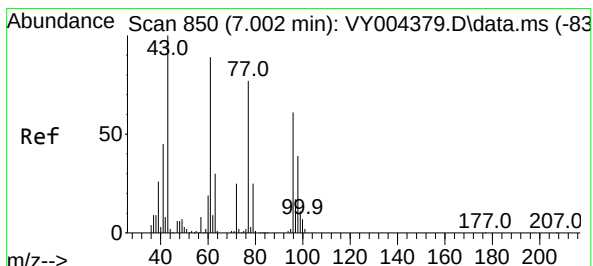
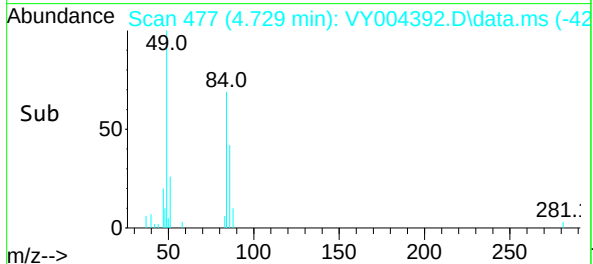
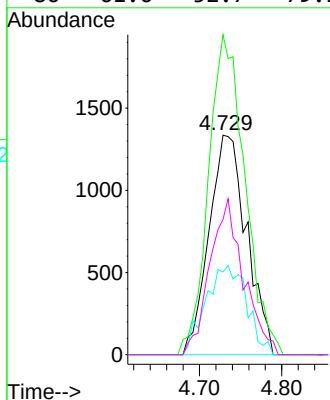
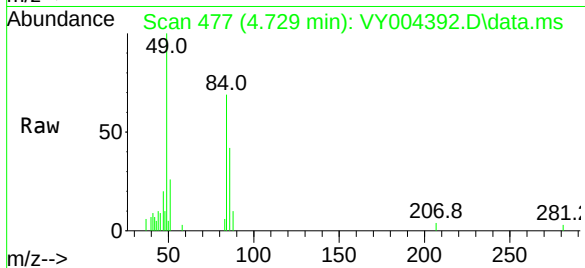
Ion Ratio Lower Upper

84 100

49 145.7 111.2 166.8

51 37.7 33.4 50.2

86 61.6 52.7 79.1



#25

2-Butanone

Concen: 62.48 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.000 min

Lab File: VY004392.D

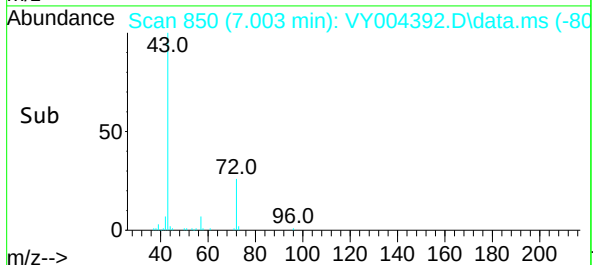
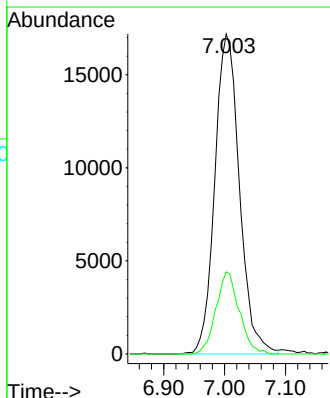
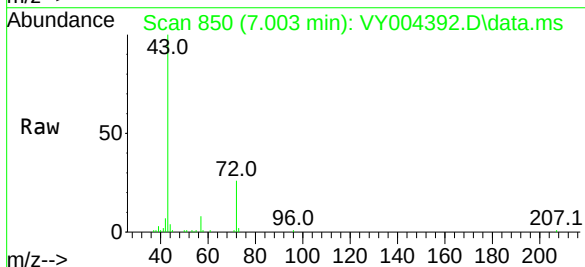
Acq: 12 Apr 2021 18:23

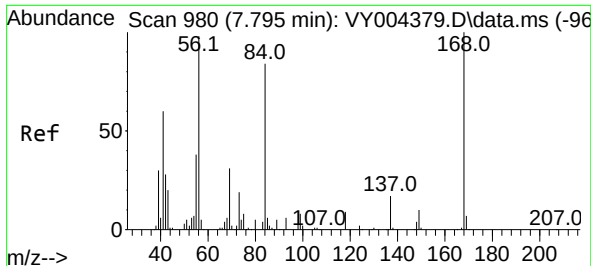
Tgt Ion: 43 Resp: 48276

Ion Ratio Lower Upper

43 100

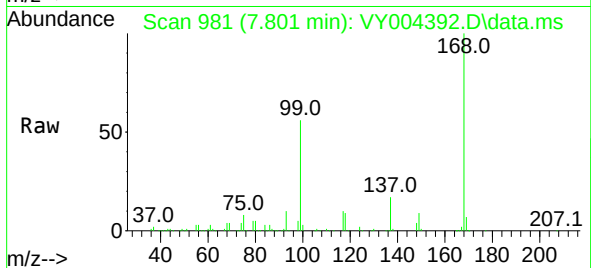
72 25.6 20.2 30.2



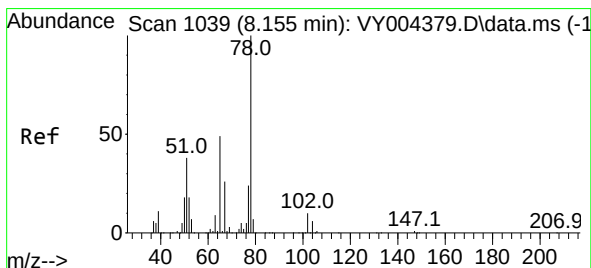
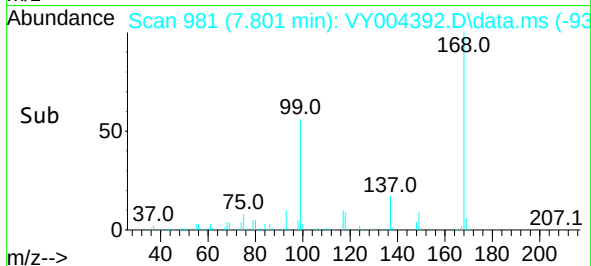
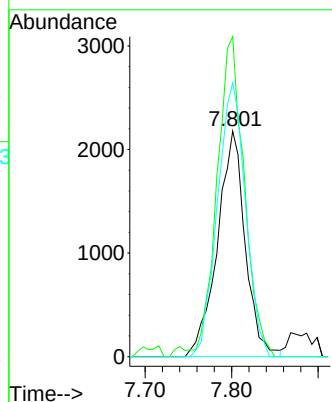


#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

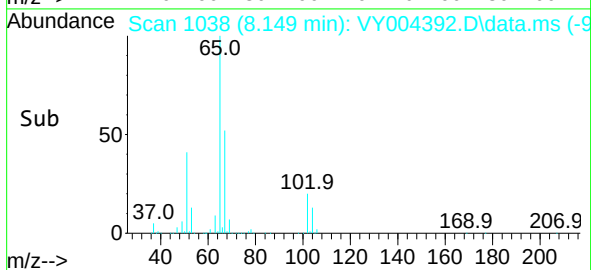
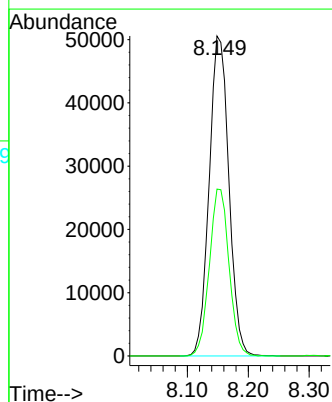
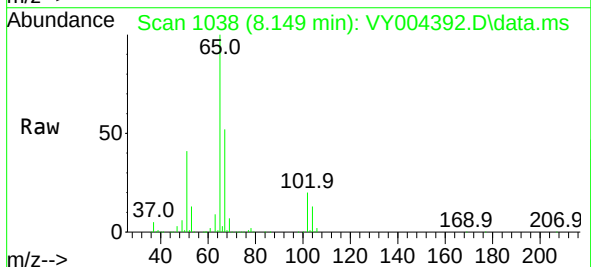


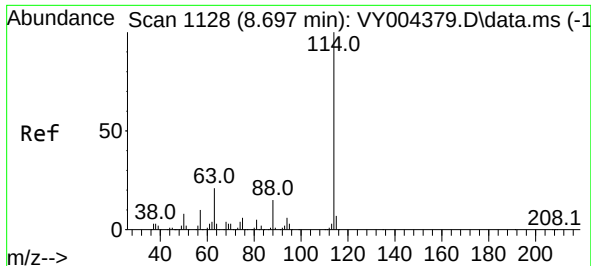
Tgt Ion: 56 Resp: 4851
Ion Ratio Lower Upper
56 100
69 141.8 25.8 38.6#
84 121.3 68.2 102.4#



#33
1,2-Dichloroethane-d4
Concen: 55.96 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

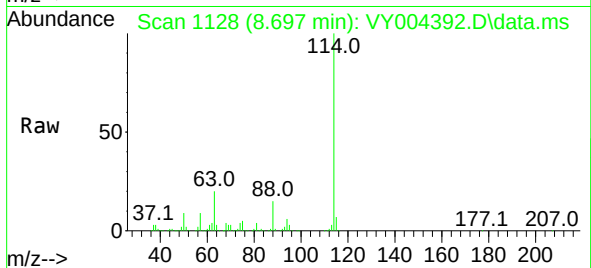
Tgt Ion: 65 Resp: 113504
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.4



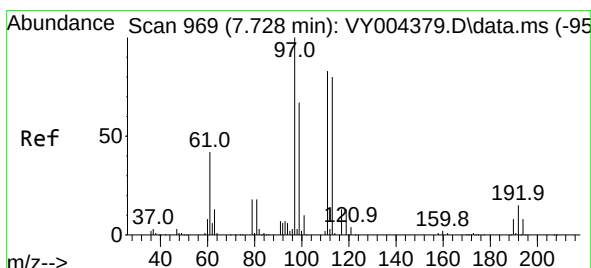
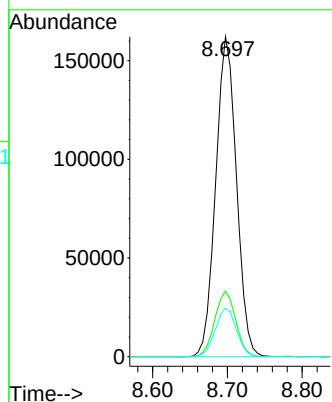
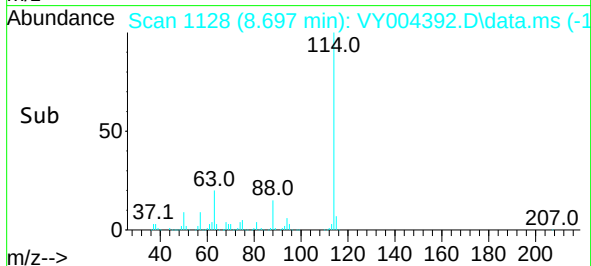


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

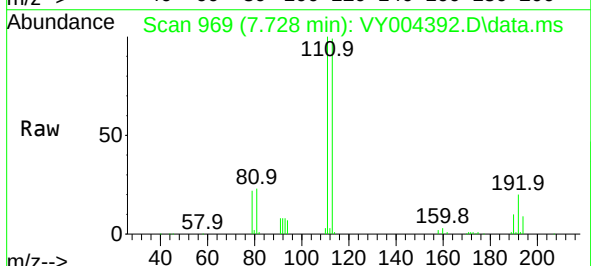
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B



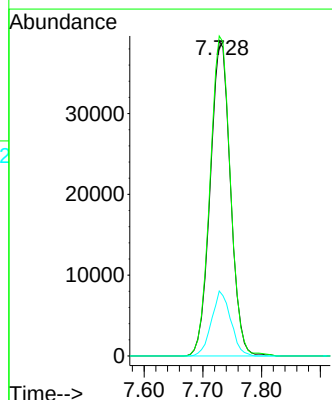
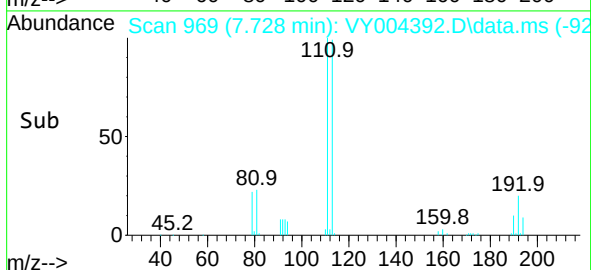
Tgt Ion:114 Resp: 312518
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.4
88 15.2 0.0 30.8

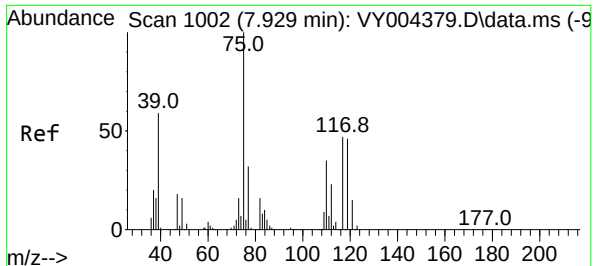


#35
Dibromofluoromethane
Concen: 53.59 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23



Tgt Ion:113 Resp: 92934
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.6 16.1 24.1

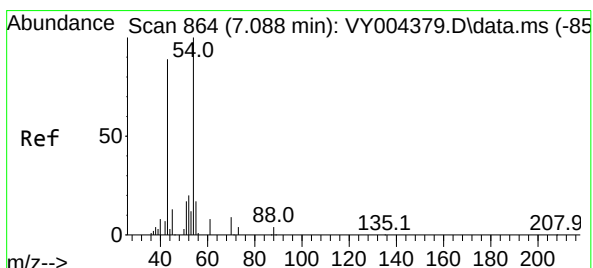
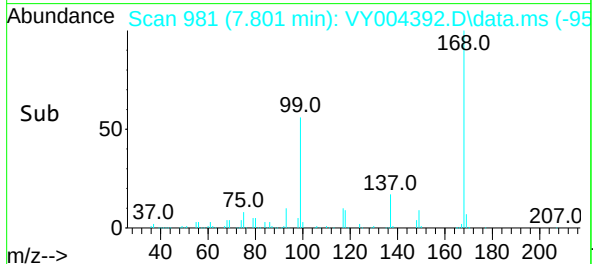
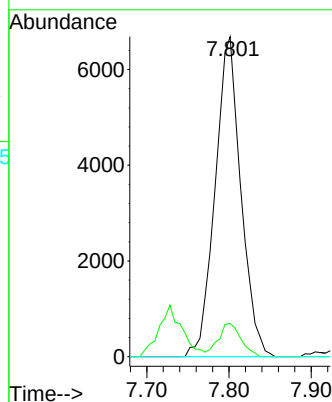
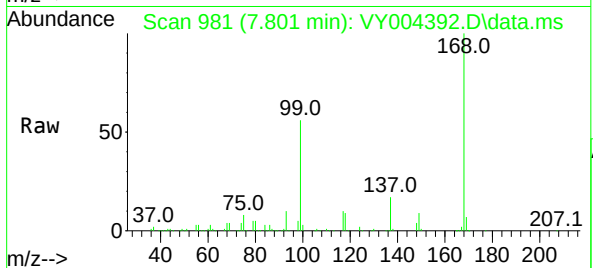




#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

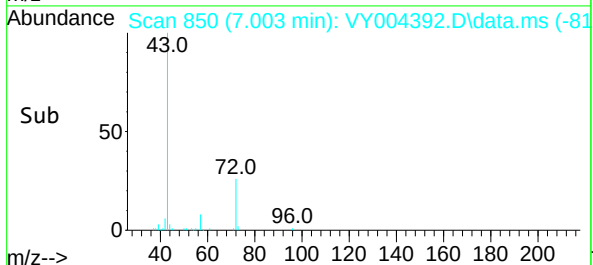
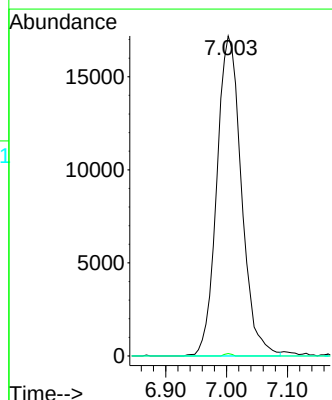
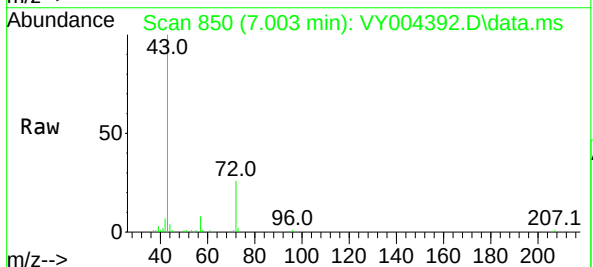
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

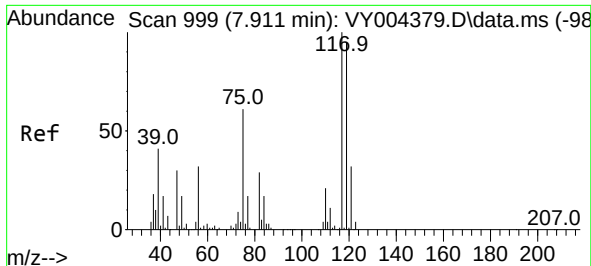
Tgt Ion: 75 Resp: 14548
Ion Ratio Lower Upper
75 100
110 9.1 17.3 51.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 24.14 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

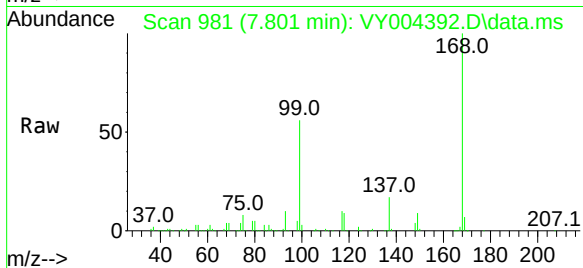
Tgt Ion: 43 Resp: 48276
Ion Ratio Lower Upper
43 100
61 0.2 10.4 15.6#
70 0.0 7.5 11.3#



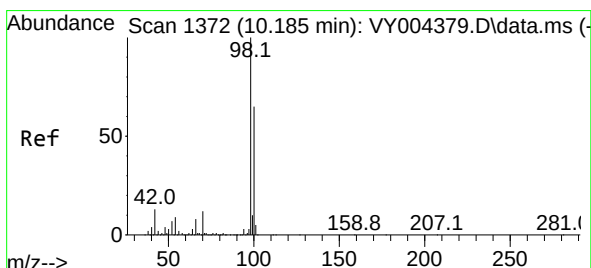
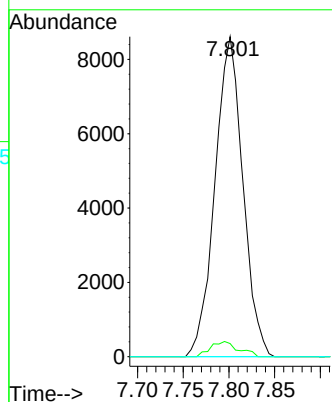
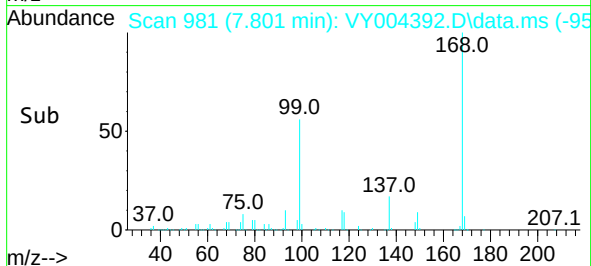


#38
Carbon Tetrachloride
Concen: 6.82 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.109 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

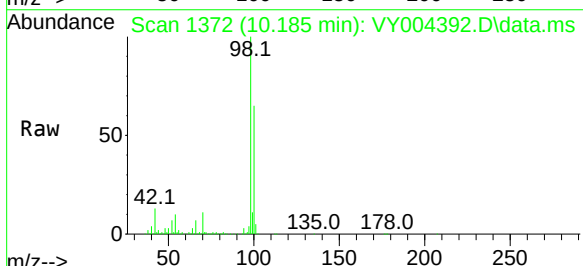
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B



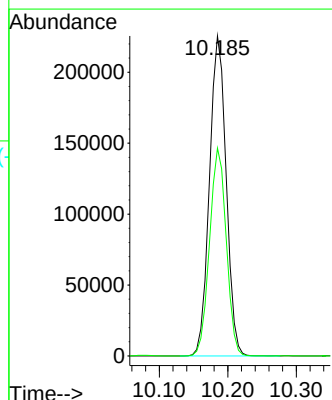
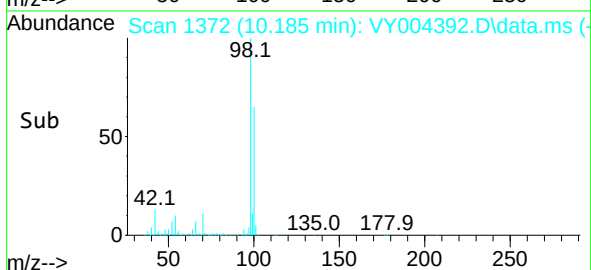
Tgt Ion:117 Resp: 18307
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 25.3 37.9#

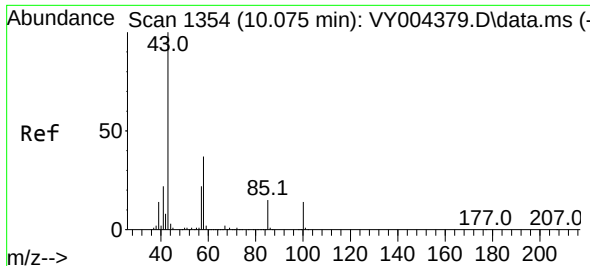


#50
Toluene-d8
Concen: 51.83 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23



Tgt Ion: 98 Resp: 382343
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6

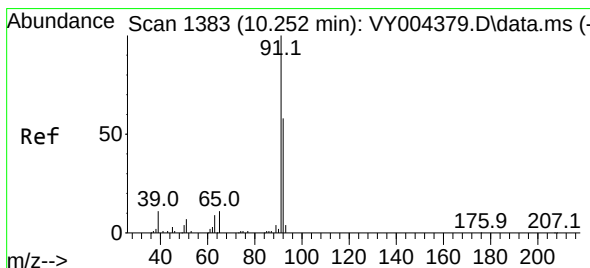
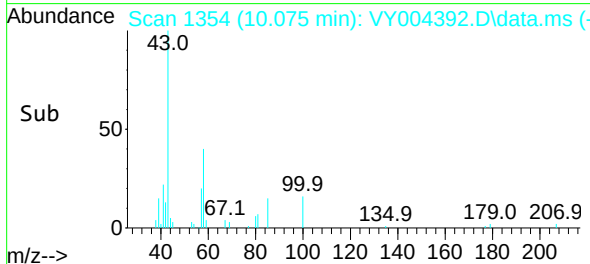
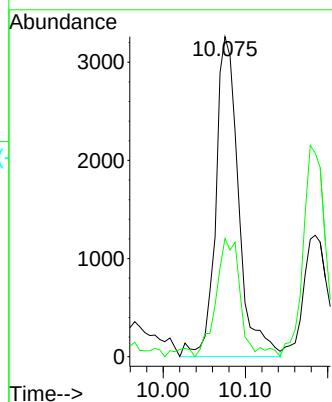
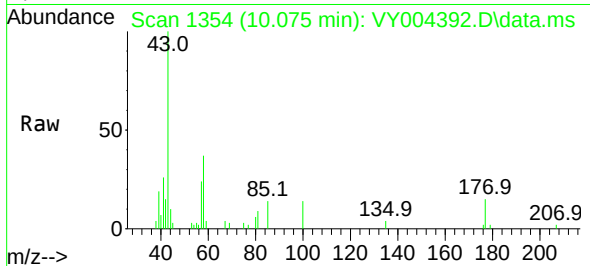




#51
4-Methyl-2-Pentanone
Concen: 3.24 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

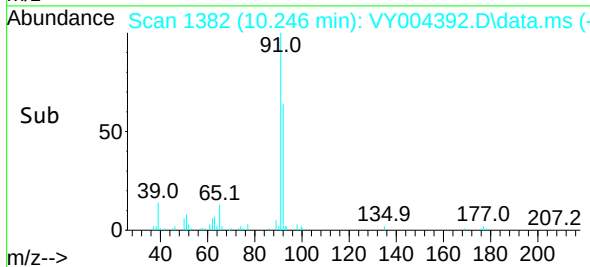
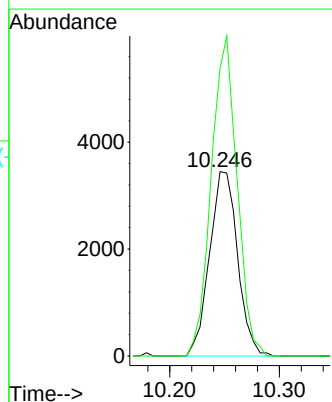
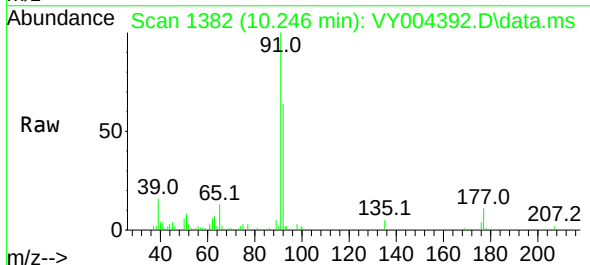
Instrument :
MSVOA_Y
ClientSampled :
SB-5B

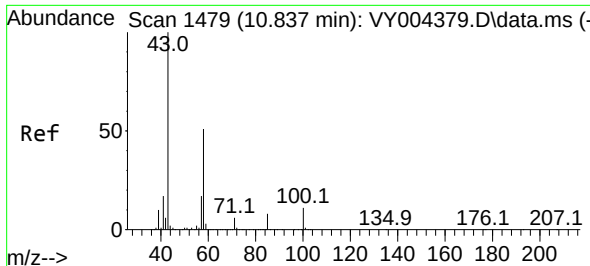
Tgt Ion: 43 Resp: 6302
Ion Ratio Lower Upper
43 100
58 39.4 29.2 43.8



#52
Toluene
Concen: 1.08 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 92 Resp: 6118
Ion Ratio Lower Upper
92 100
91 160.0 137.8 206.6

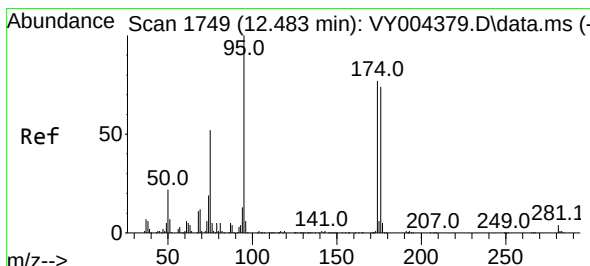
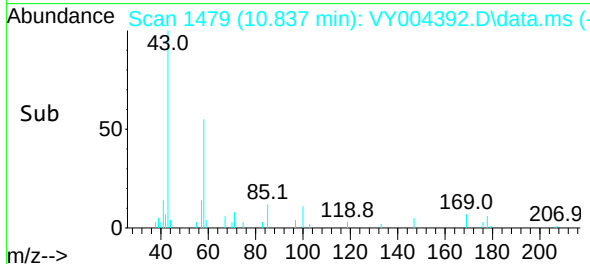
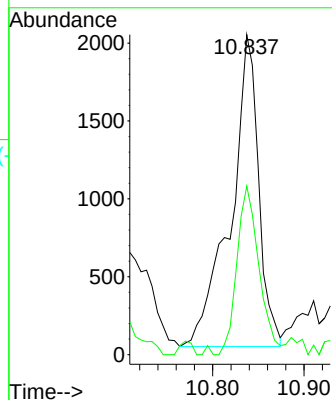
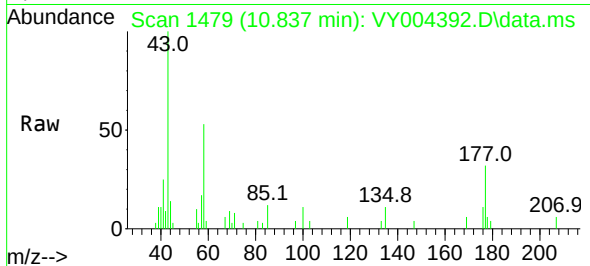




#59
2-Hexanone
Concen: 3.26 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

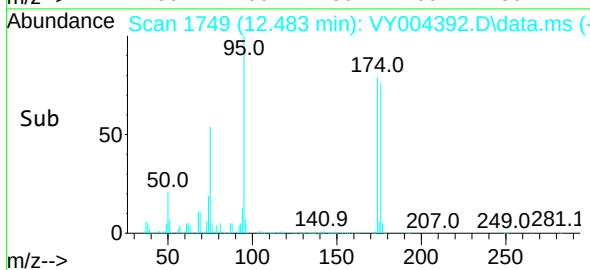
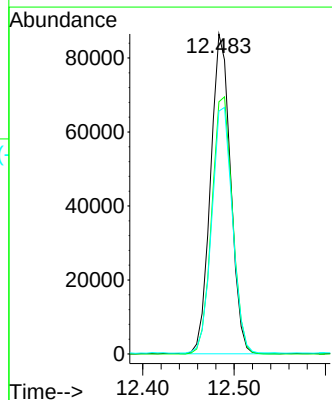
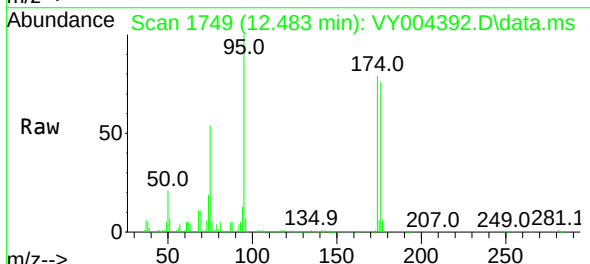
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

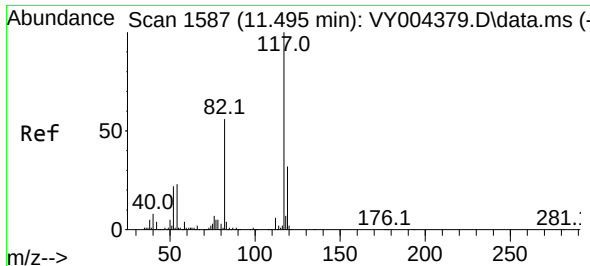
Tgt Ion: 43 Resp: 4259
Ion Ratio Lower Upper
43 100
58 42.5 25.4 76.4



#62
4-Bromofluorobenzene
Concen: 52.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 95 Resp: 131080
Ion Ratio Lower Upper
95 100
174 83.2 0.0 162.4
176 79.5 0.0 156.0

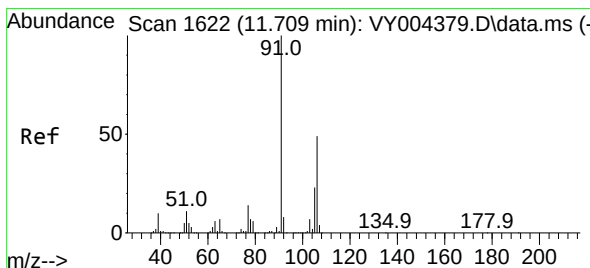
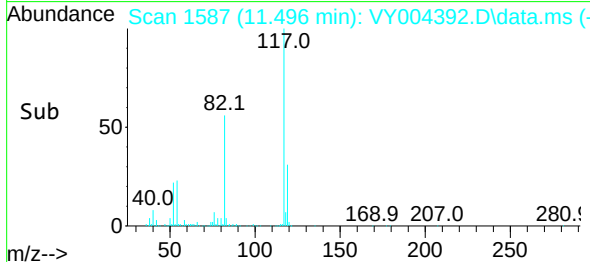
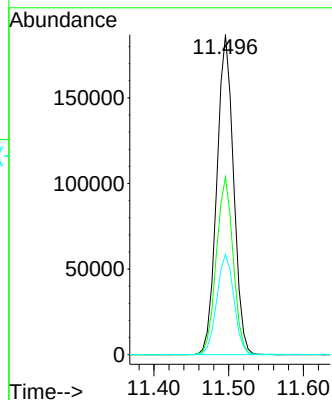
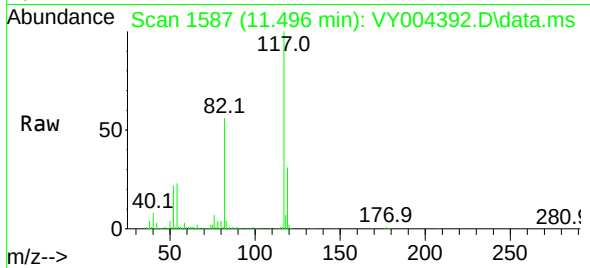




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

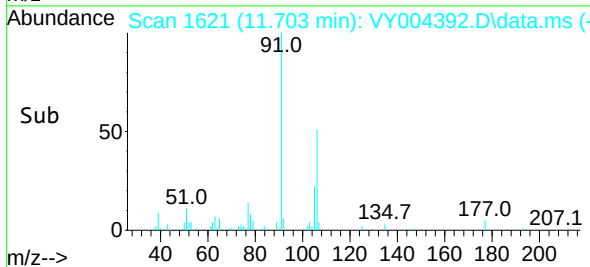
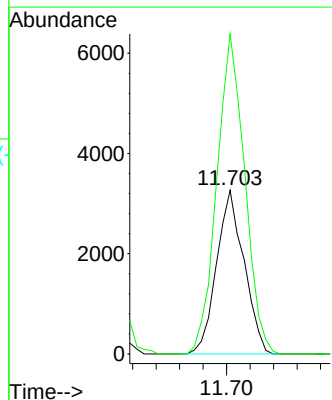
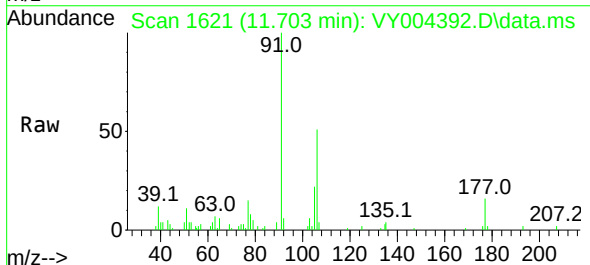
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

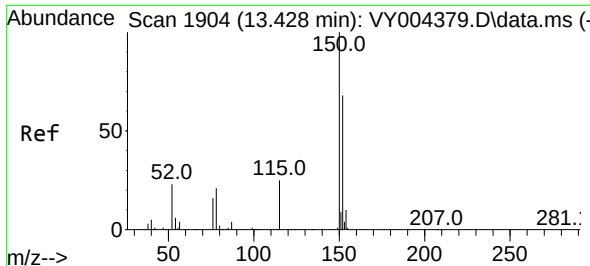
Tgt Ion:117 Resp: 291071
Ion Ratio Lower Upper
117 100
82 55.5 44.9 67.3
119 31.3 25.4 38.0



#68
m/p-Xylenes
Concen: 1.28 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion:106 Resp: 5289
Ion Ratio Lower Upper
106 100
91 199.1 163.2 244.8

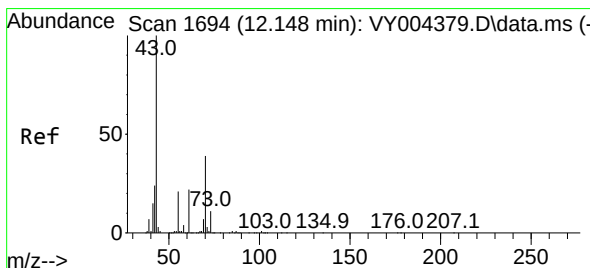
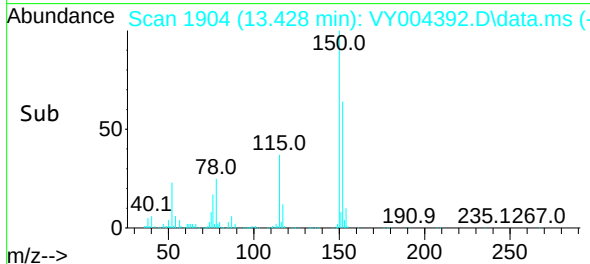
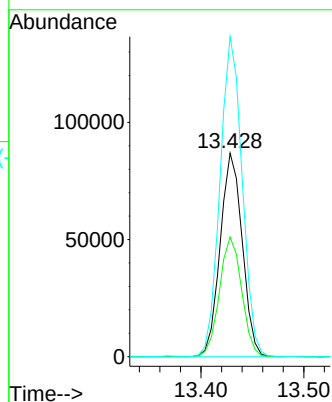
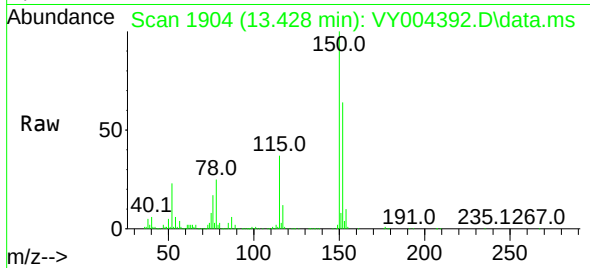




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

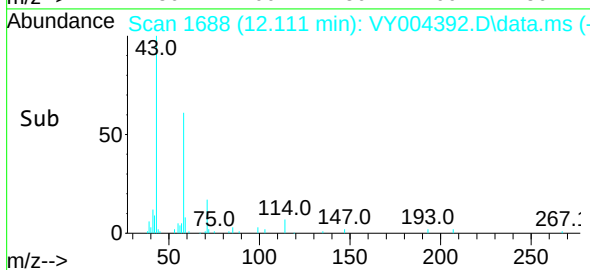
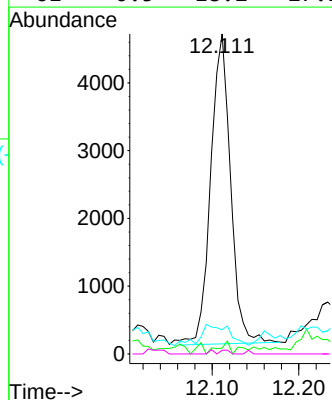
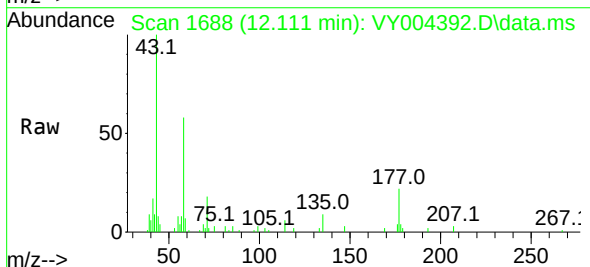
Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

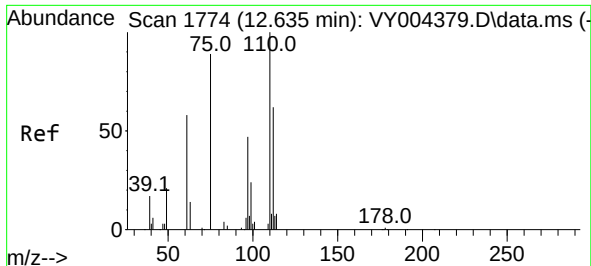
Tgt Ion:152 Resp: 129423
Ion Ratio Lower Upper
152 100
115 58.8 29.6 88.8
150 157.5 0.0 348.4



#74
N-ethyl acetate
Concen: 2.16 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.036 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 43 Resp: 7285
Ion Ratio Lower Upper
43 100
70 1.4 30.4 45.6#
55 0.0 17.4 26.0#
61 0.5 18.2 27.2#

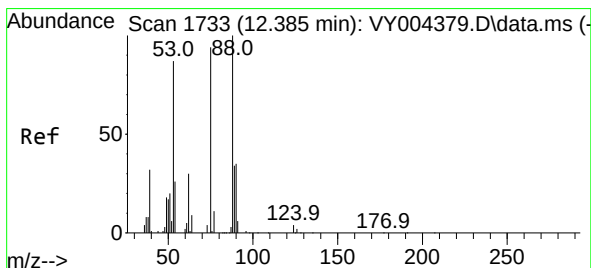
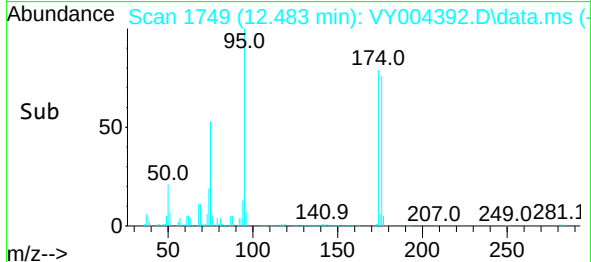
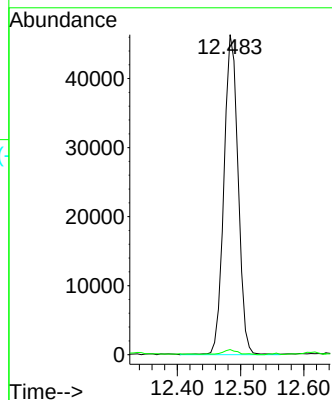
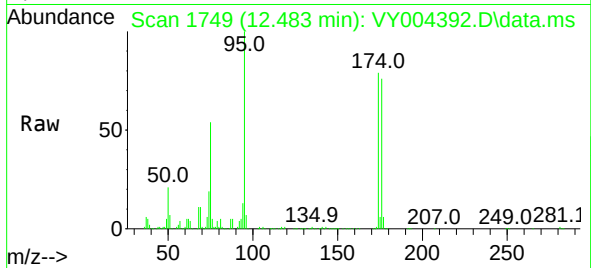




#76
1,2,3-Trichloropropane
Concen: 51.72 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

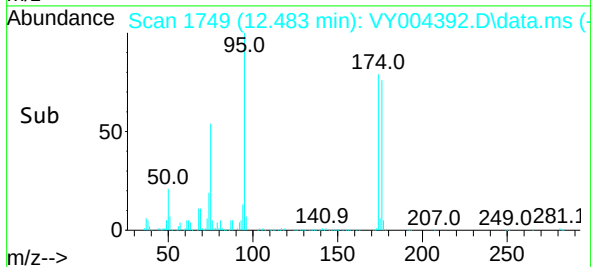
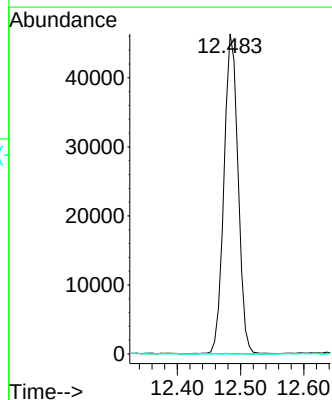
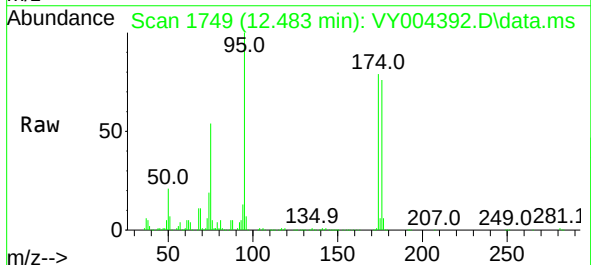
Instrument :
MSVOA_Y
ClientSampled :
SB-5B

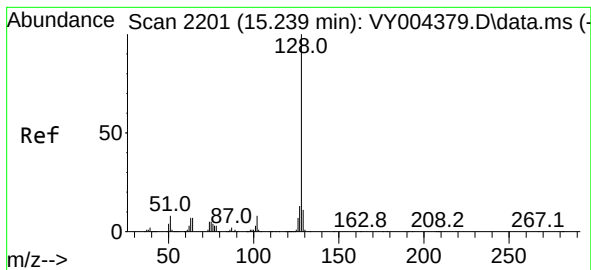
Tgt Ion: 75 Resp: 71844
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.52 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Tgt Ion: 75 Resp: 71844
Ion Ratio Lower Upper
75 100
53 0.2 75.0 112.6#
89 0.0 36.1 54.1#





#95
Naphthalene
Concen: 1.33 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004392.D
Acq: 12 Apr 2021 18:23

Instrument :
MSVOA_Y
ClientSampleId :
SB-5B

Tgt Ion:128 Resp: 7111
Ion Ratio Lower Upper
128 100
127 16.3 10.2 15.2#
129 13.3 8.8 13.2#

