

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004271.D
 Acq On : 02 Apr 2021 18:31
 Operator : SY/MD
 Sample : M1908-01
 Misc : 6.68g/5mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1(2-2.5)

Quant Time: Apr 02 23:03:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

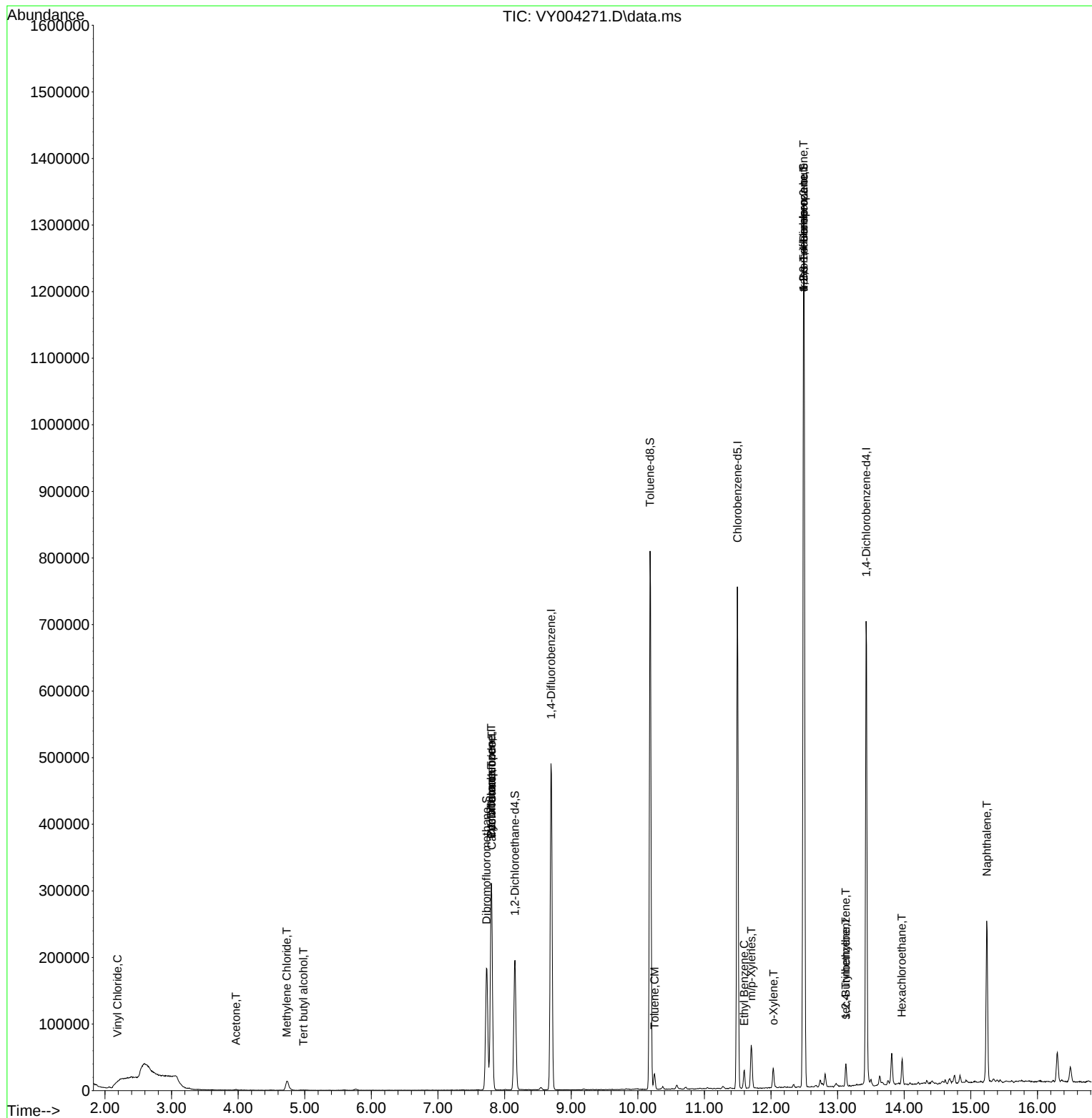
Internal Standards						
1) Pentafluorobenzene	7.801	168	242133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	417394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	384537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173028	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	149487	64.22	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.44%
35) Dibromofluoromethane	7.728	113	130079	55.93	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.86%
50) Toluene-d8	10.185	98	508775	58.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.32%
62) 4-Bromofluorobenzene	12.489	95	177432	59.19	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.38%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.186	62	4758	1.51	ug/l #	50
11) Tert butyl alcohol	4.978	59	582	3.07	ug/l #	71
13) Acrolein	3.735	56	105	Below	Cal	89
16) Acetone	3.966	43	1723	3.55	ug/l #	84
20) Methylene Chloride	4.728	84	10321	1.92	ug/l	91
31) Cyclohexane	7.801	56	5398	1.31	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	18799	4.93	ug/l #	49
38) Carbon Tetrachloride	7.807	117	23533	7.10	ug/l #	16
49) 1,4-Dioxane	9.289	88	39	Below	Cal #	41
52) Toluene	10.252	92	8691	1.25	ug/l	89
67) Ethyl Benzene	11.599	91	17691	1.27	ug/l	98
68) m/p-Xylenes	11.703	106	18350	3.43	ug/l	100
69) o-Xylene	12.038	106	7312	1.46	ug/l	93
76) 1,2,3-Trichloropropane	12.489	75	103254	65.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	103254	121.12	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	16825	1.63	ug/l	98
85) sec-Butylbenzene	13.123	105	16825	1.37	ug/l #	55
90) Hexachloroethane	13.965	117	414	7.63	ug/l #	12
95) Naphthalene	15.239	128	197059	26.37	ug/l	100

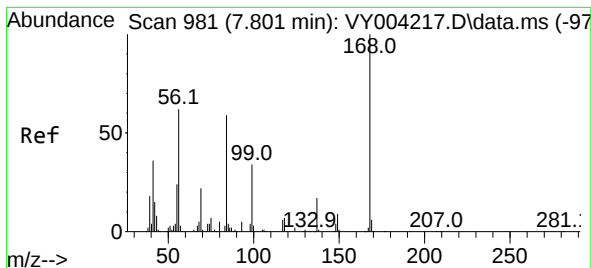
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(2-2.5)

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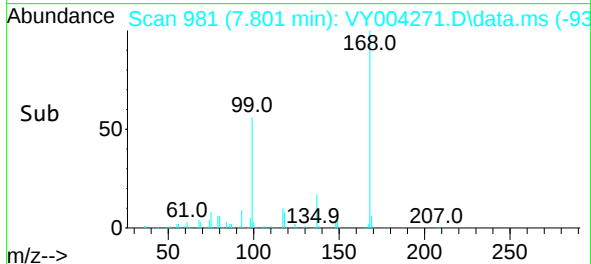
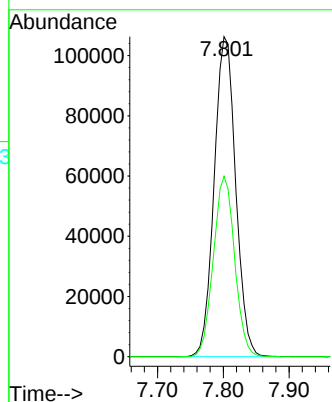
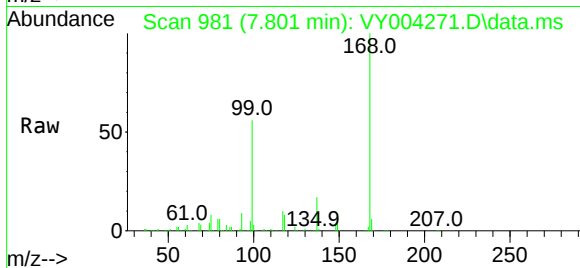




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

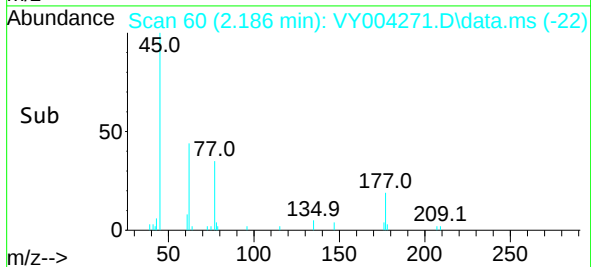
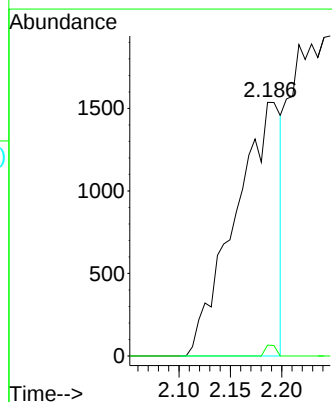
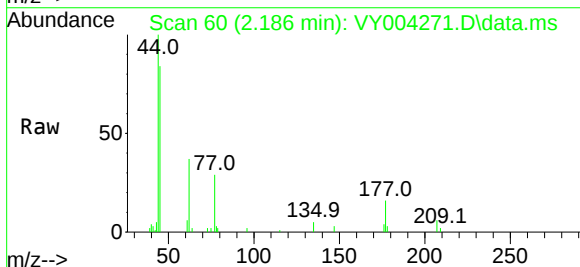
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

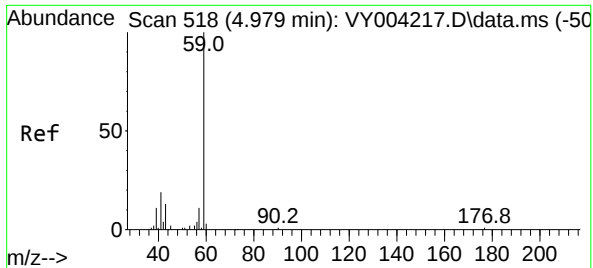
Tgt Ion:168 Resp: 242133
Ion Ratio Lower Upper
168 100
99 56.4 42.6 64.0



#4
Vinyl Chloride
Concen: 1.51 ug/l
RT: 2.186 min Scan# 60
Delta R.T. -0.067 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

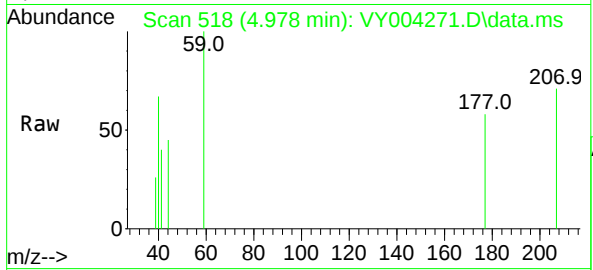
Tgt Ion: 62 Resp: 4758
Ion Ratio Lower Upper
62 100
64 4.3 26.0 39.0#



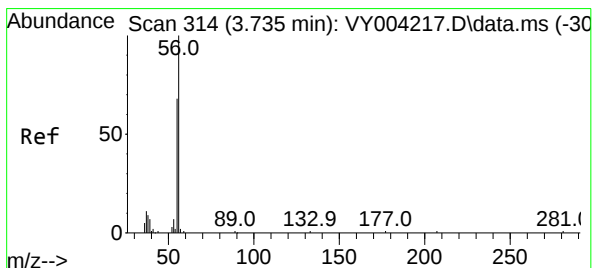
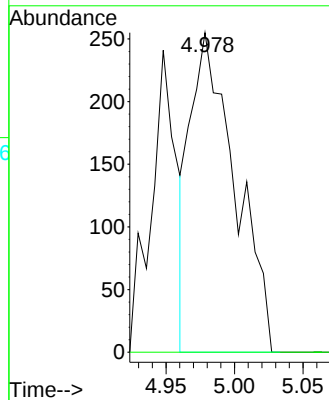
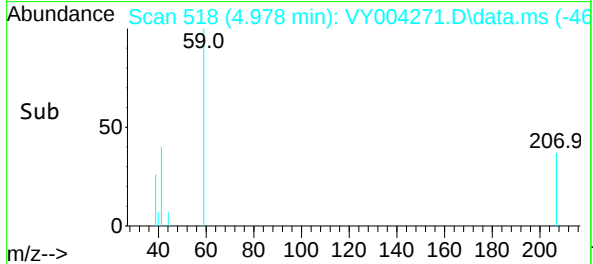


#11
Tert butyl alcohol
Concen: 3.07 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

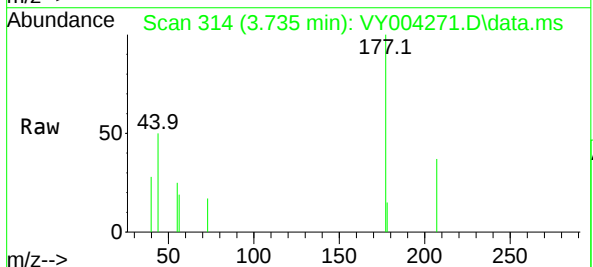
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)



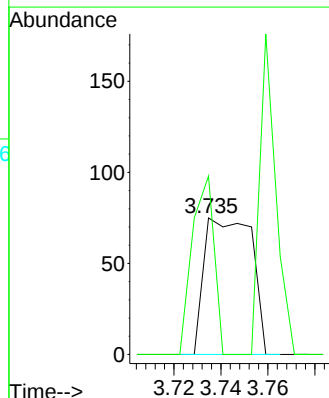
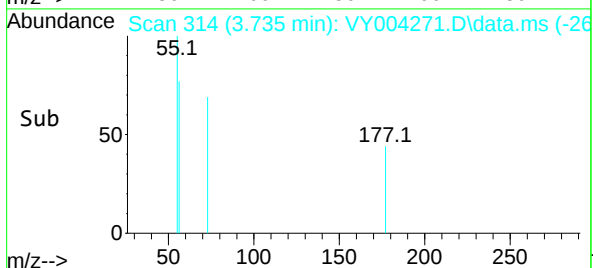
Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

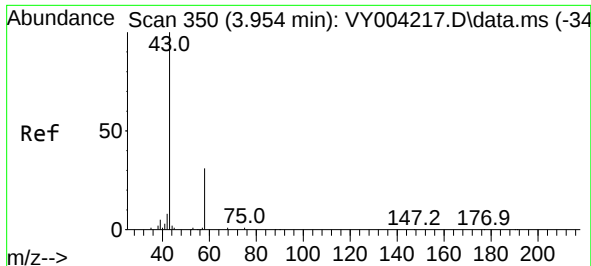


#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31



Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 60.0 55.0 82.4

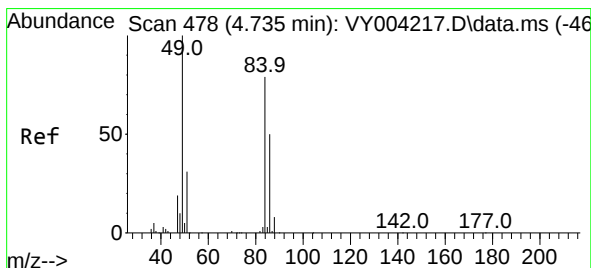
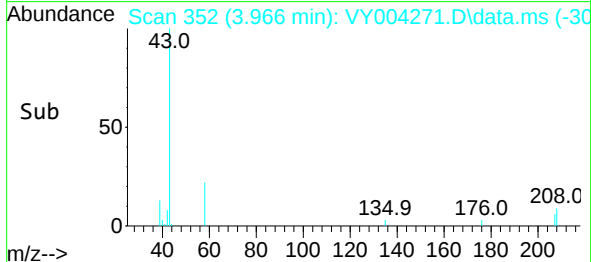
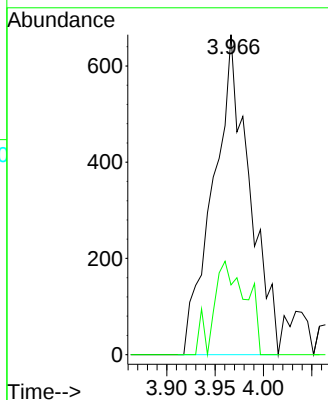
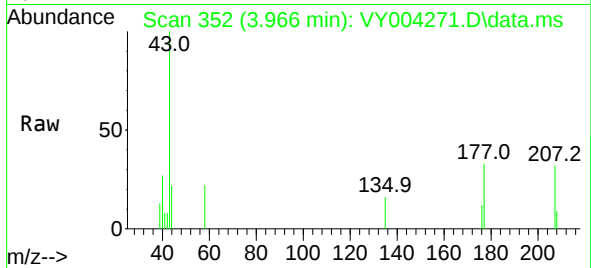




#16
Acetone
Concen: 3.55 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

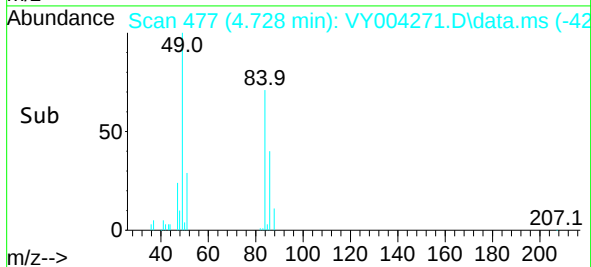
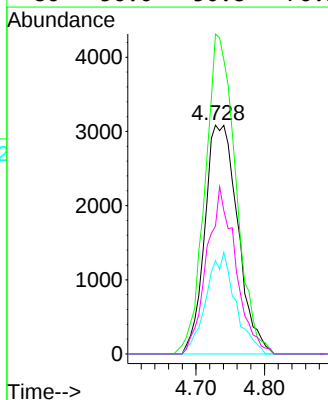
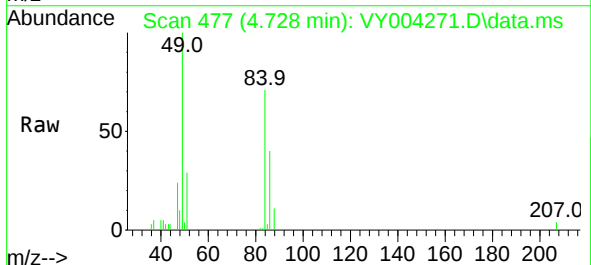
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SB-1(2-2.5)

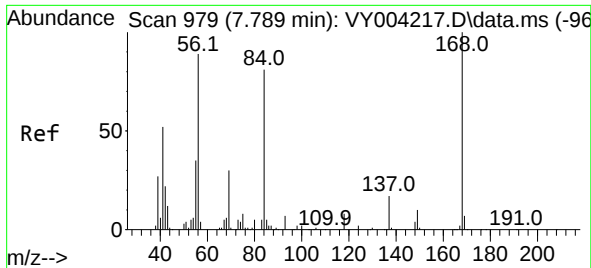
Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
58 21.8 24.5 36.7#



#20
Methylene Chloride
Concen: 1.92 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

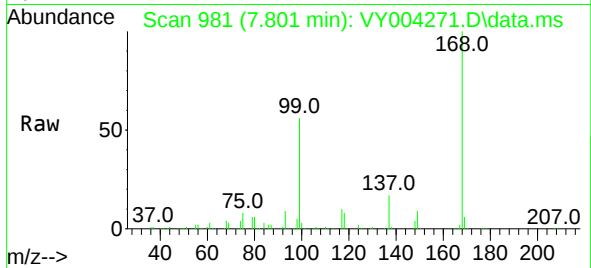
Tgt Ion: 84 Resp: 10321
Ion Ratio Lower Upper
84 100
49 139.9 101.5 152.3
51 40.8 31.5 47.3
86 56.0 50.8 76.2



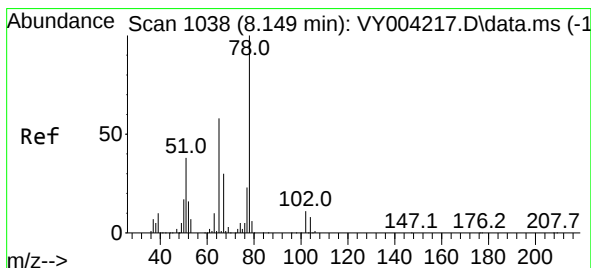
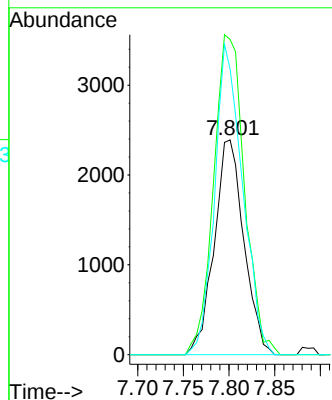
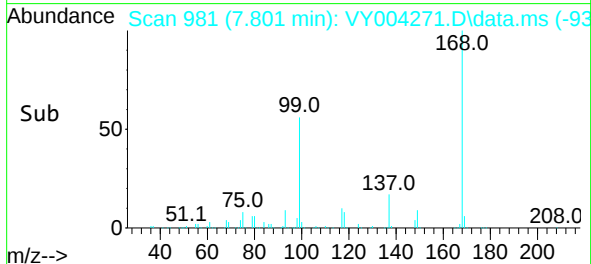


#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

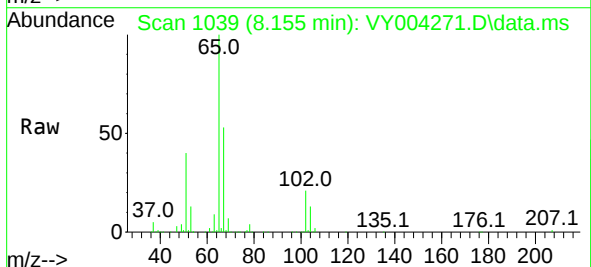
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)



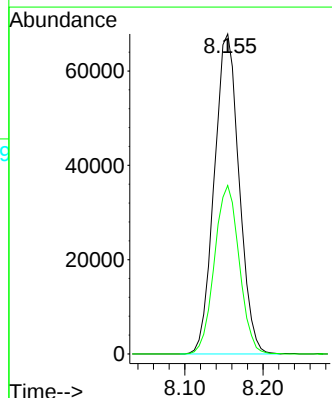
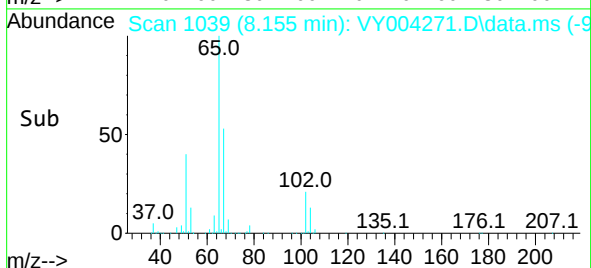
Tgt Ion: 56 Resp: 5398
Ion Ratio Lower Upper
56 100
69 146.8 26.6 40.0#
84 133.0 72.3 108.5#

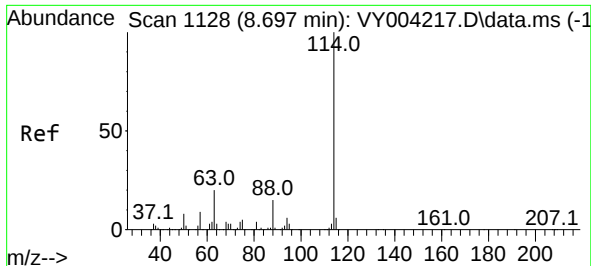


#33
1,2-Dichloroethane-d4
Concen: 64.22 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31



Tgt Ion: 65 Resp: 149487
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.2

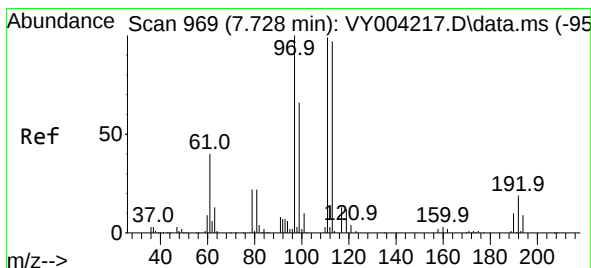
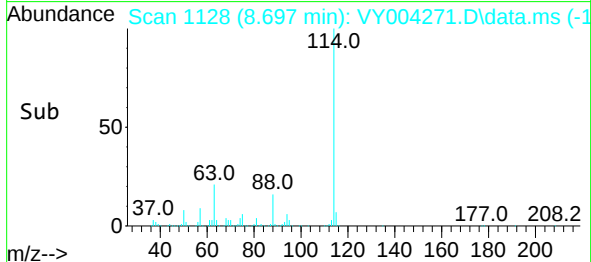
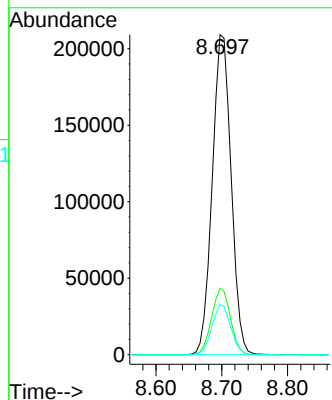
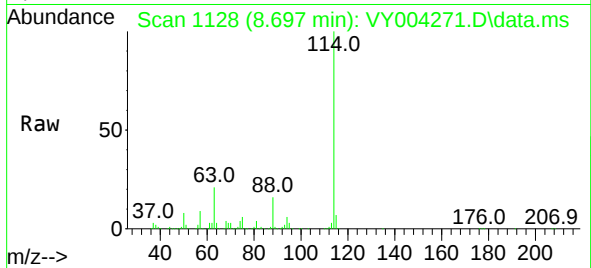




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

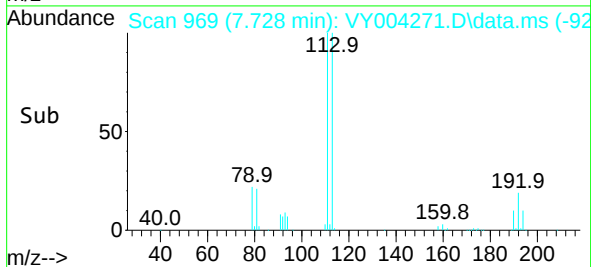
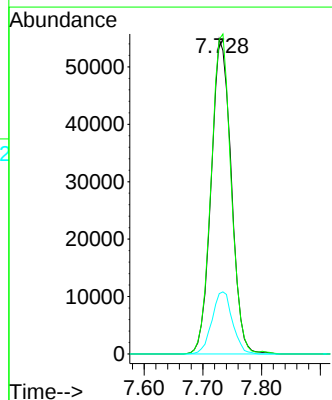
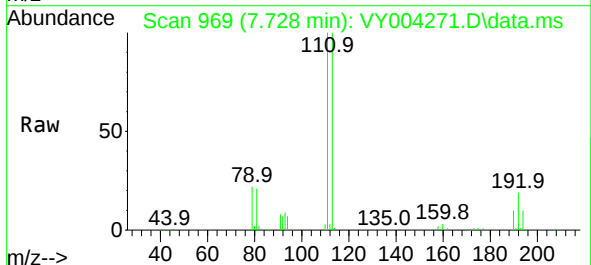
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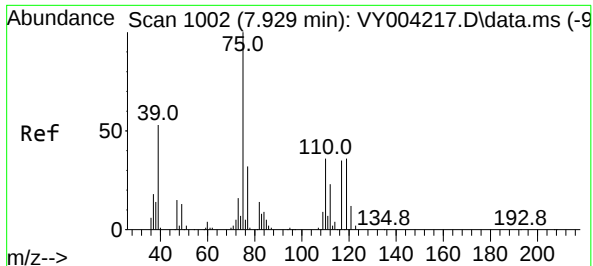
Tgt Ion:114 Resp: 417394
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 55.93 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

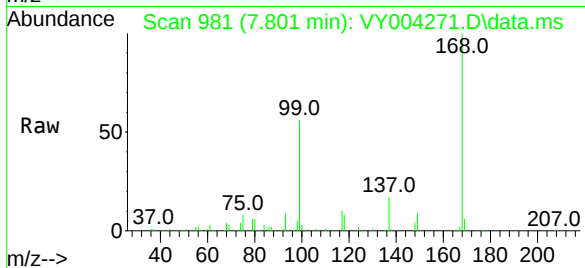
Tgt Ion:113 Resp: 130079
Ion Ratio Lower Upper
113 100
111 101.0 82.6 124.0
192 20.1 16.4 24.6



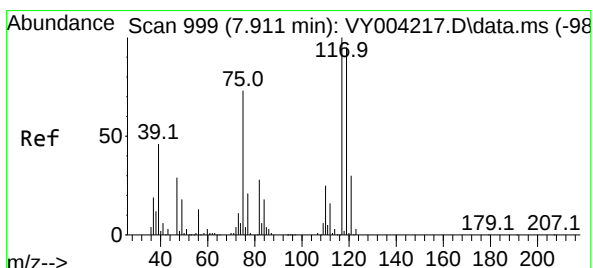
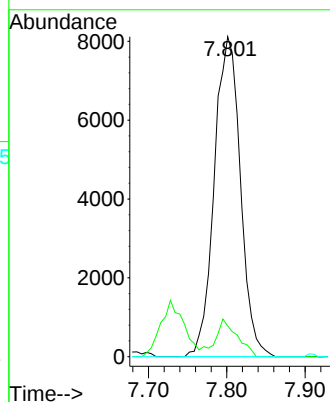
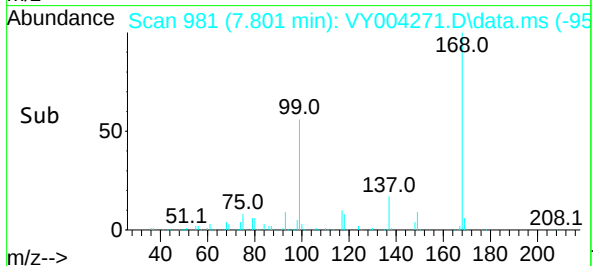


#36
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.128 min
 Lab File: VY004271.D
 Acq: 02 Apr 2021 18:31

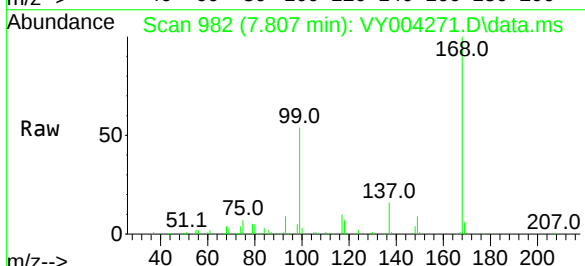
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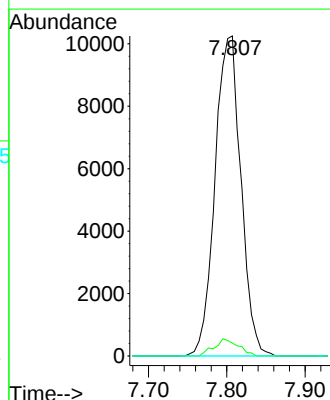
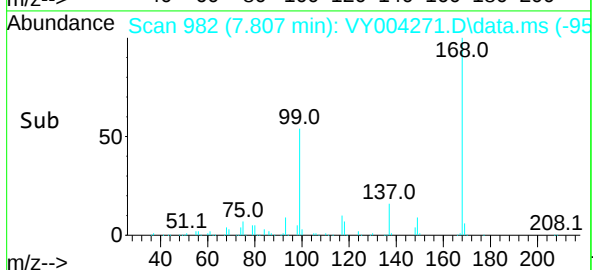
Tgt Ion: 75 Resp: 18799
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#

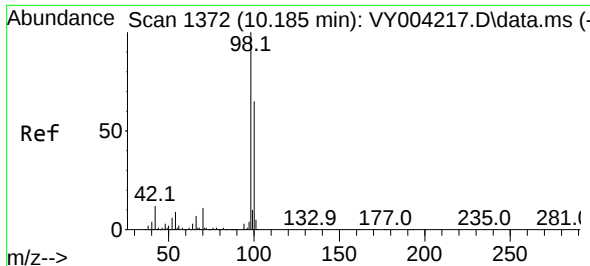


#38
 Carbon Tetrachloride
 Concen: 7.10 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.104 min
 Lab File: VY004271.D
 Acq: 02 Apr 2021 18:31



Tgt Ion: 117 Resp: 23533
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.6 113.4#
 121 0.0 24.3 36.5#

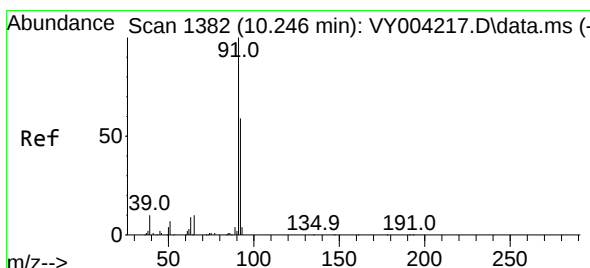
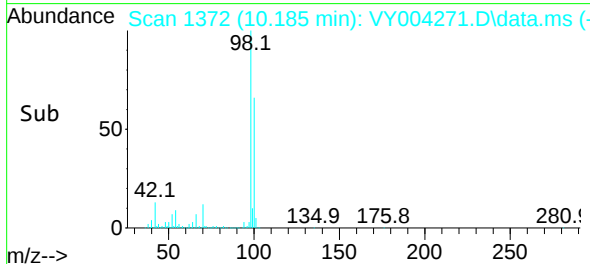
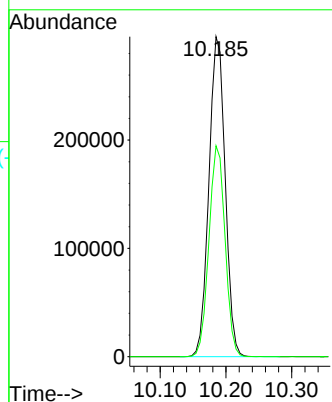
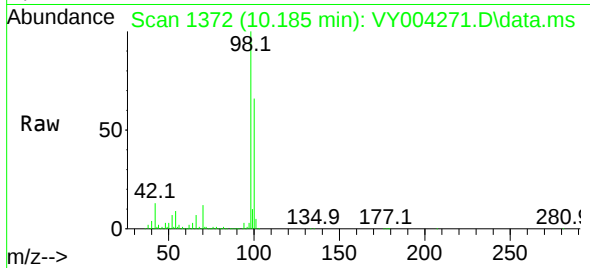




#50
Toluene-d8
Concen: 58.16 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

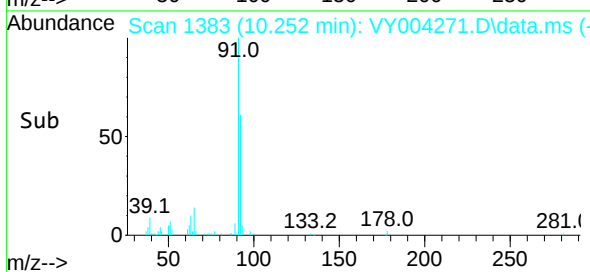
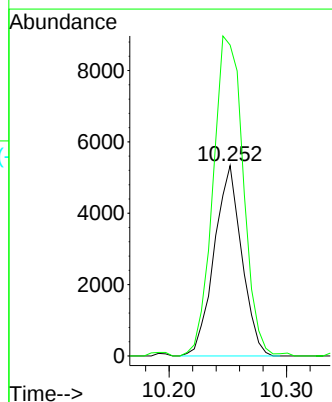
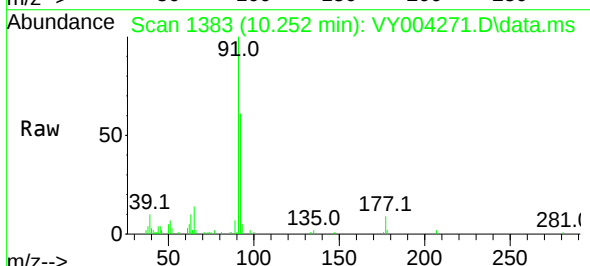
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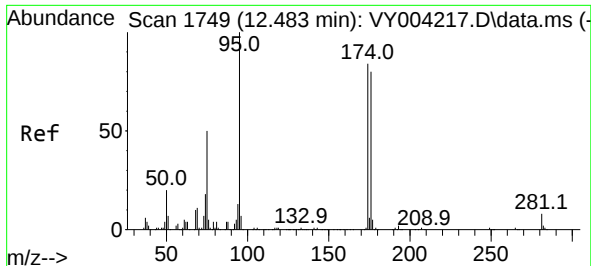
Tgt Ion: 98 Resp: 508775
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#52
Toluene
Concen: 1.25 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion: 92 Resp: 8691
Ion Ratio Lower Upper
92 100
91 184.4 136.0 204.0

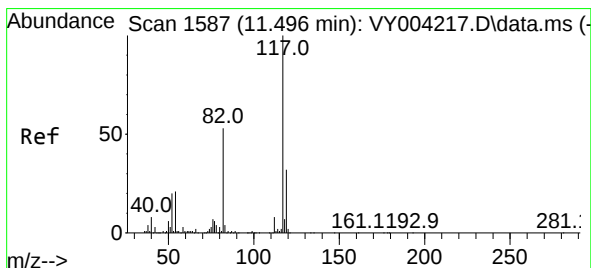
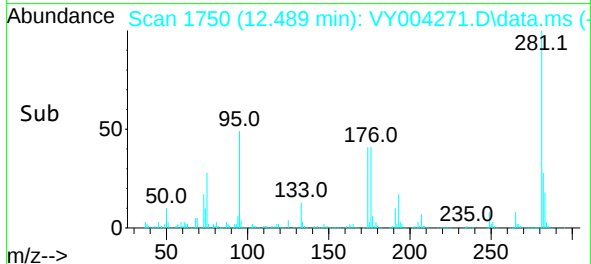
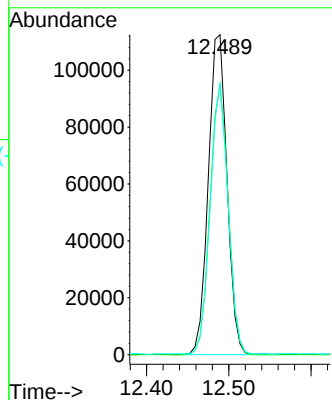
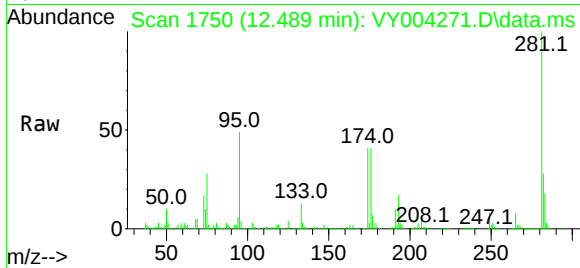




#62
4-Bromofluorobenzene
Concen: 59.19 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

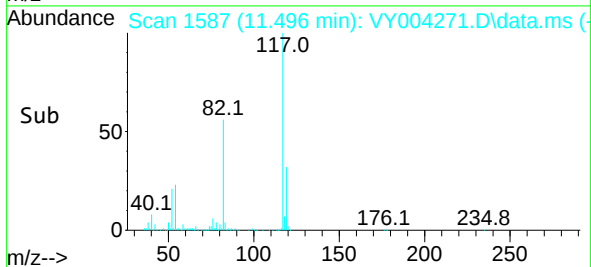
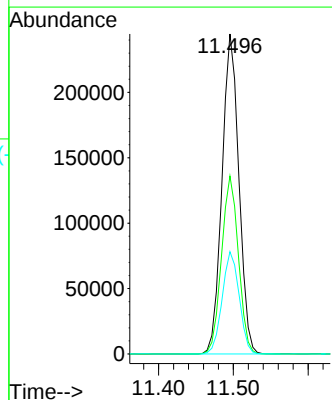
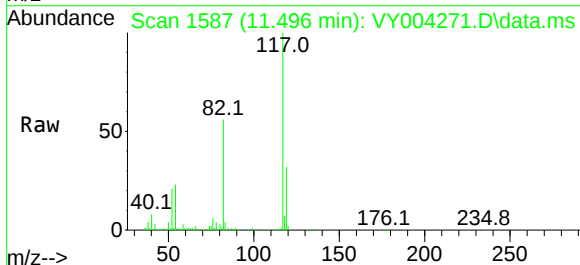
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

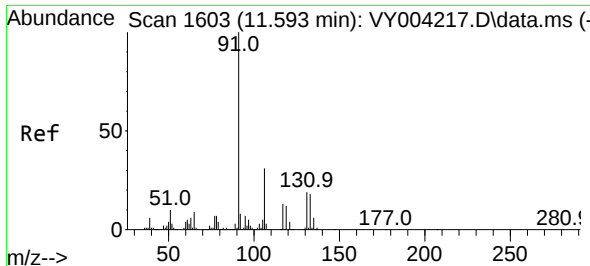
Tgt Ion: 95 Resp: 177432
Ion Ratio Lower Upper
95 100
174 82.5 0.0 171.4
176 81.4 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion: 117 Resp: 384537
Ion Ratio Lower Upper
117 100
82 55.6 42.7 64.1
119 31.9 25.7 38.5

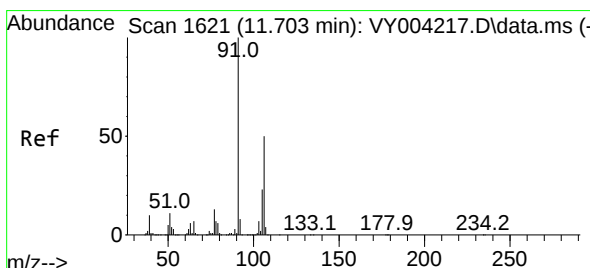
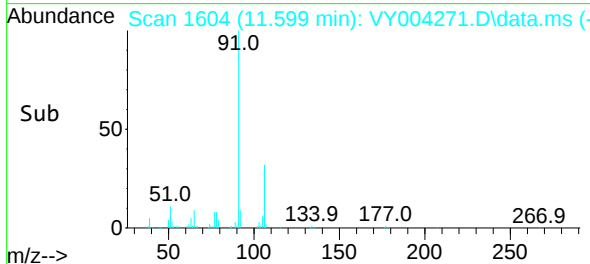
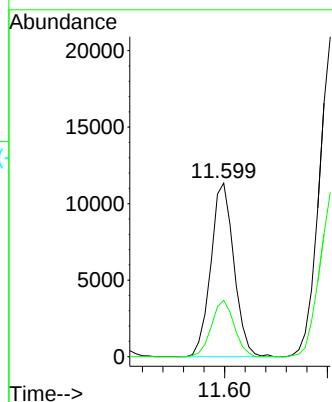
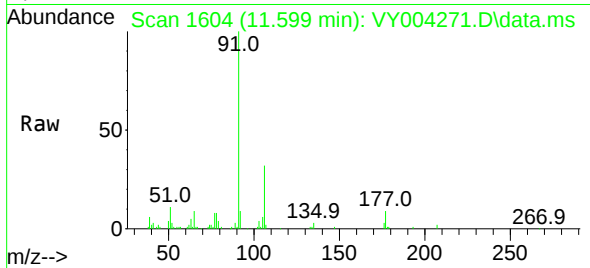




#67
Ethyl Benzene
Concen: 1.27 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

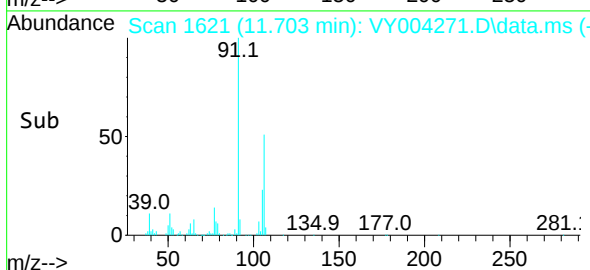
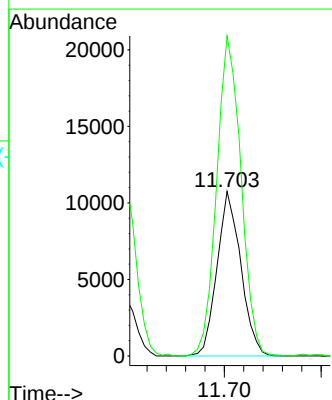
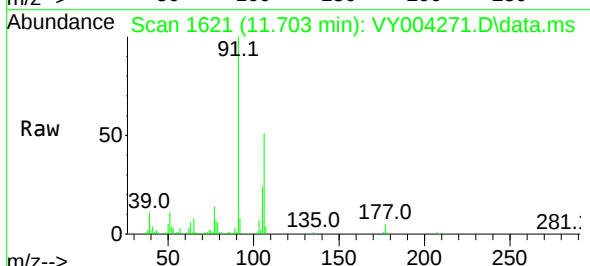
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

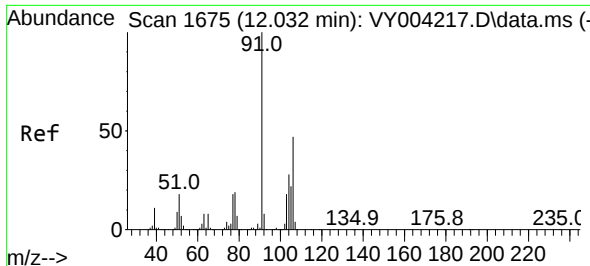
Tgt Ion: 91 Resp: 17691
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 3.43 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion: 106 Resp: 18350
Ion Ratio Lower Upper
106 100
91 199.1 159.8 239.6

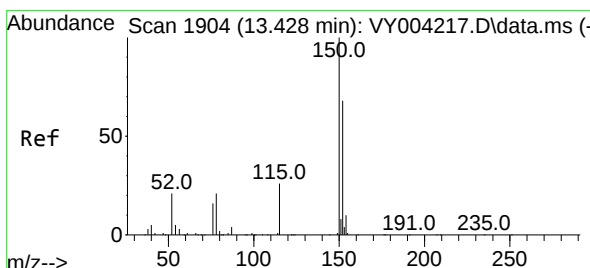
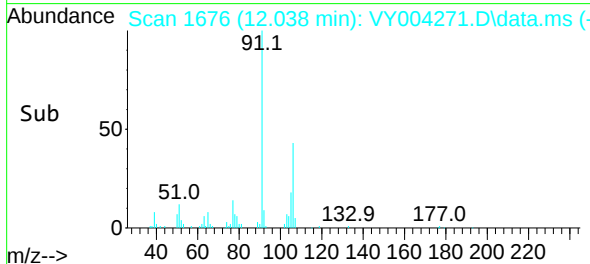
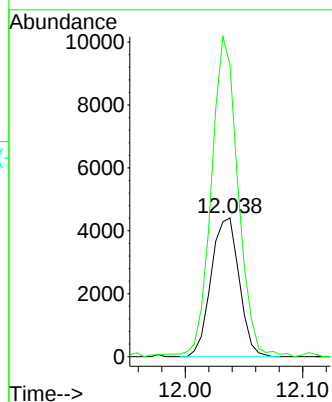
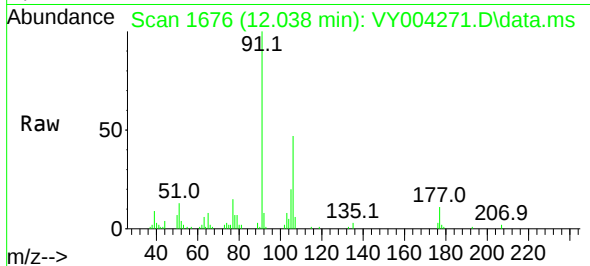




#69
o-Xylene
Concen: 1.46 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

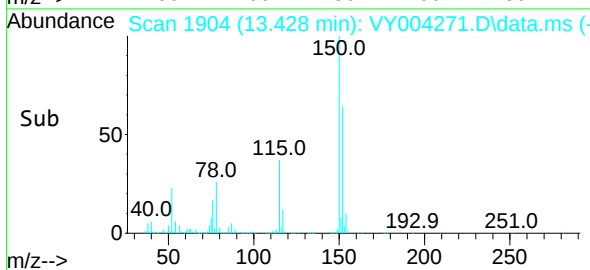
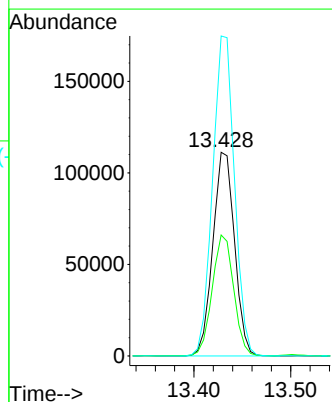
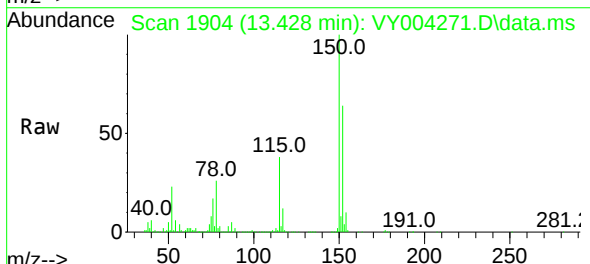
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

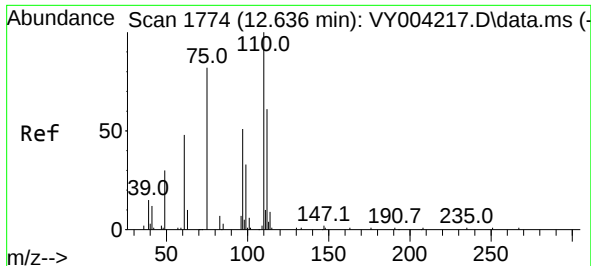
Tgt Ion:106 Resp: 7312
Ion Ratio Lower Upper
106 100
91 221.5 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion:152 Resp: 173028
Ion Ratio Lower Upper
152 100
115 58.5 29.0 87.1
150 158.1 0.0 347.4

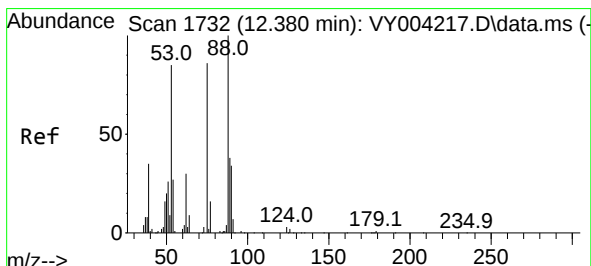
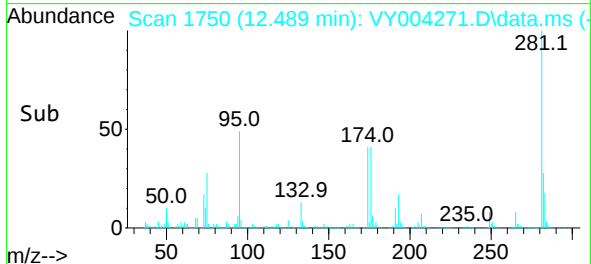
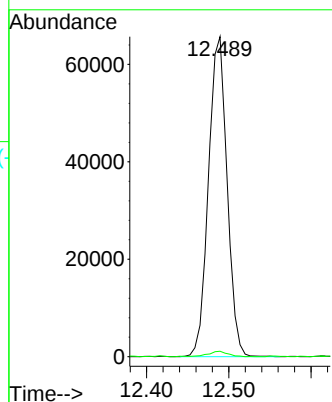
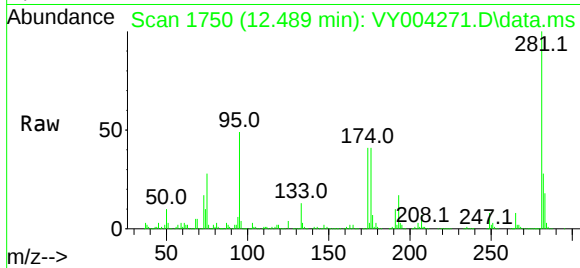




#76
1,2,3-Trichloropropane
Concen: 65.72 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

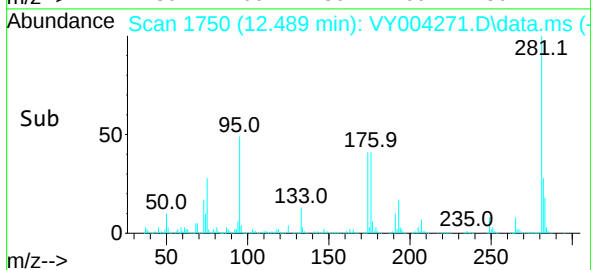
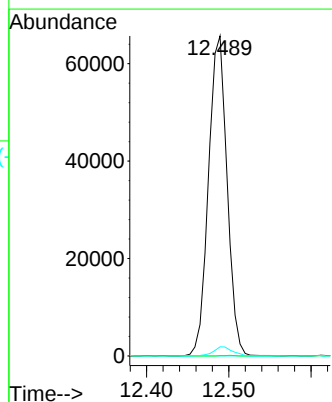
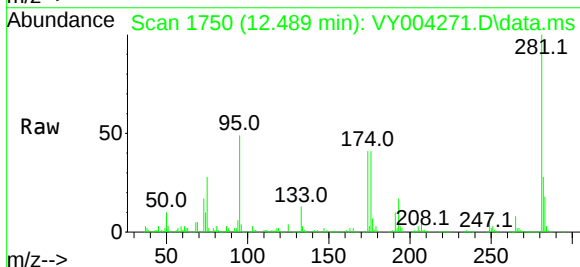
Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

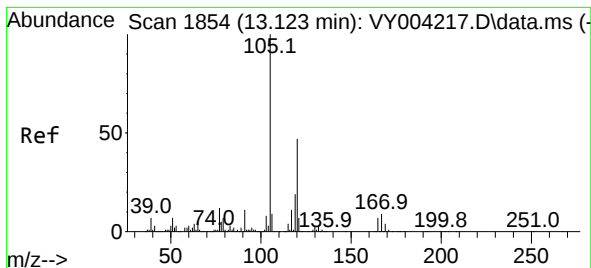
Tgt Ion: 75 Resp: 103254
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.12 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion: 75 Resp: 103254
Ion Ratio Lower Upper
75 100
53 0.1 79.3 118.9#
89 2.9 39.4 59.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.63 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004271.D

Acq: 02 Apr 2021 18:31

Tgt Ion:105 Resp: 16825

Ion Ratio Lower Upper

105 100

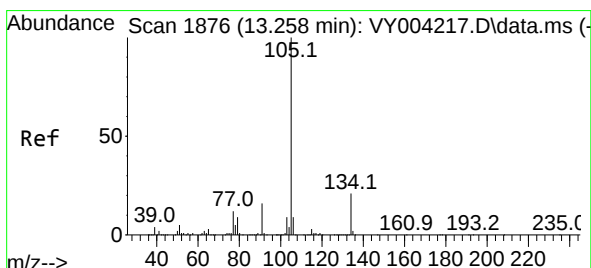
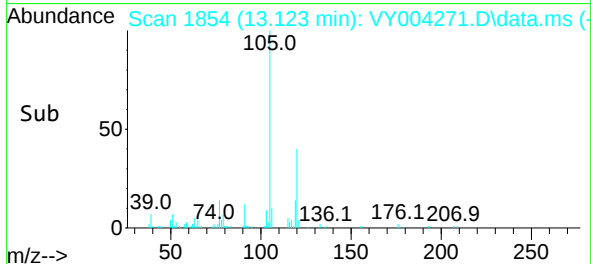
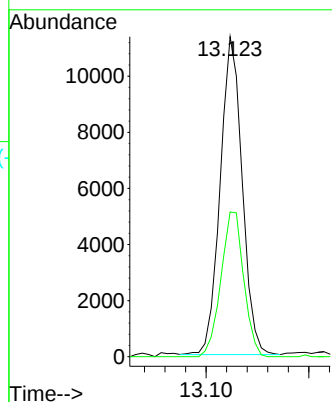
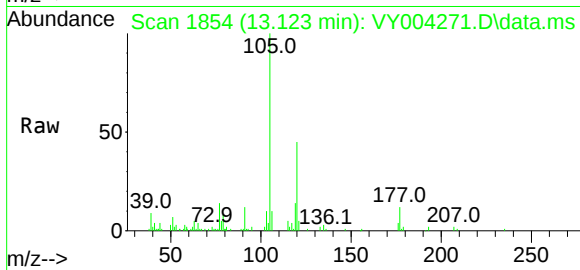
120 47.2 22.9 68.7

Instrument :

MSVOA_Y

ClientSampleId :

SB-1(2-2.5)



#85

sec-Butylbenzene

Concen: 1.37 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY004271.D

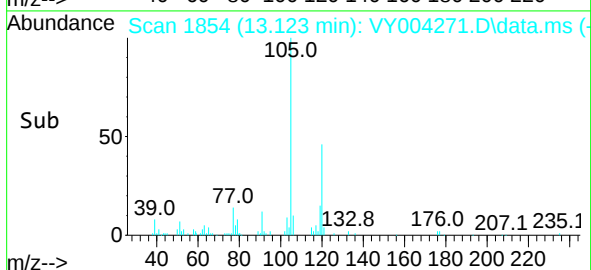
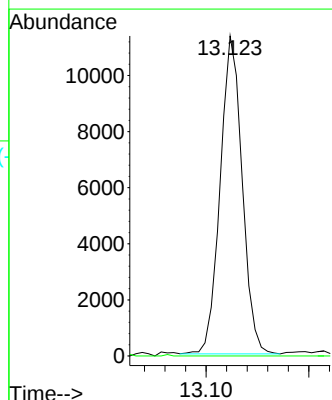
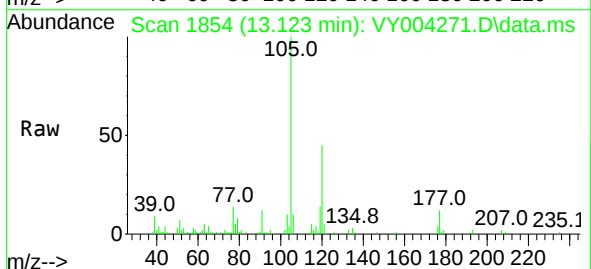
Acq: 02 Apr 2021 18:31

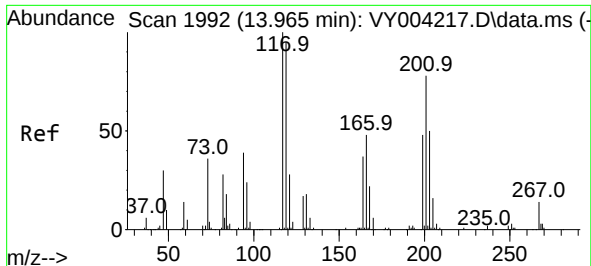
Tgt Ion:105 Resp: 16825

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#

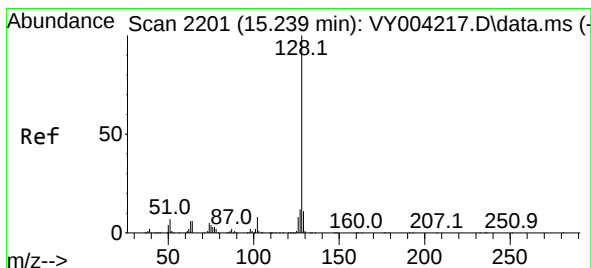
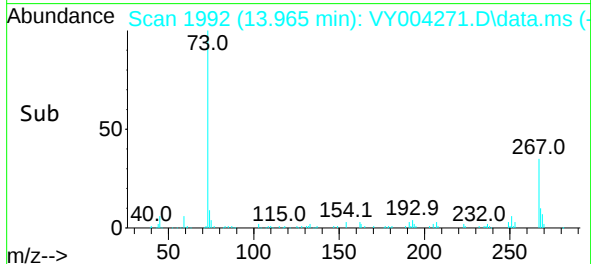
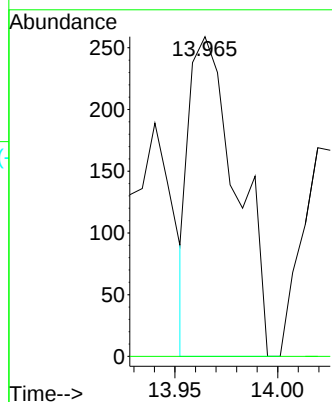
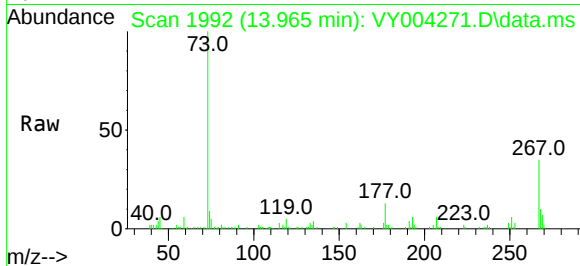




#90
Hexachloroethane
Concen: 7.63 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-1(2-2.5)

Tgt Ion:117 Resp: 414
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 26.37 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004271.D
Acq: 02 Apr 2021 18:31

Tgt Ion:128 Resp: 197059
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.0 8.9 13.3

