

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005877.D
 Acq On : 27 Aug 2021 12:46
 Operator : SY/MD
 Sample : M3557-01RE
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:50:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

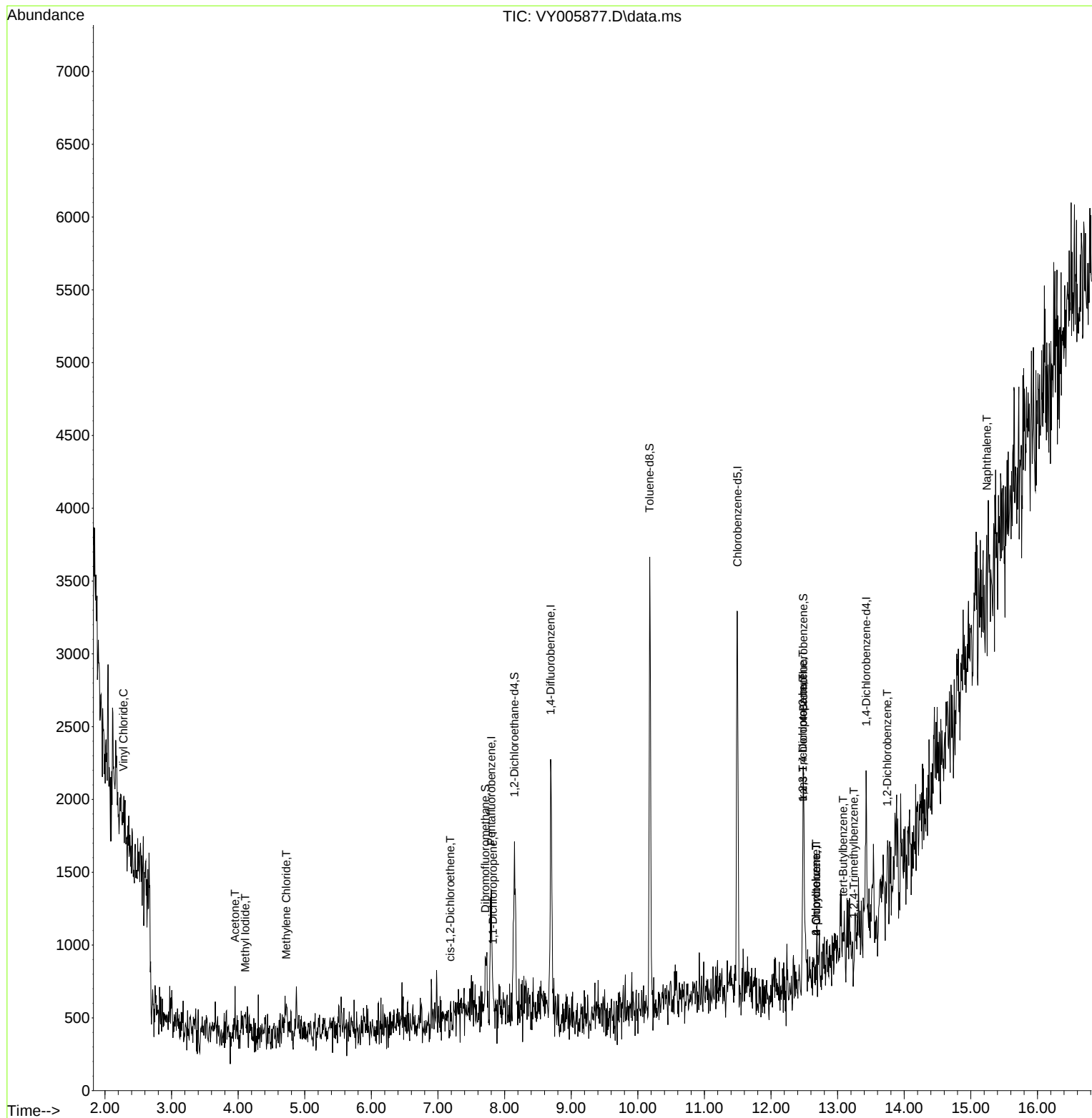
Internal Standards						
1) Pentafluorobenzene	7.801	168	896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	1874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	1816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	1015	111.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 223.820%#	
35) Dibromofluoromethane	7.710	113	240	22.874	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.740%#	
50) Toluene-d8	10.179	98	2020	45.906	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.820%	
62) 4-Bromofluorobenzene	12.483	95	484	33.215	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 66.440%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.278	62	129	12.252	ug/l #	42
10) Methyl Iodide	4.107	142	176	18.474	ug/l #	39
16) Acetone	3.954	43	27	11.807	ug/l #	45
20) Methylene Chloride	4.722	84	116	7.663	ug/l #	38
27) cis-1,2-Dichloroethene	7.185	96	55	5.602	ug/l #	1
36) 1,1-Dichloropropene	7.825	75	39	2.219	ug/l #	41
76) 1,2,3-Trichloropropane	12.477	75	324	90.624	ug/l #	100
78) n-propylbenzene	12.678	91	71	2.482	ug/l #	51
79) 2-Chlorotoluene	12.678	91	71	4.421	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.477	75	324	182.687	ug/l #	11
82) 4-Chlorotoluene	12.678	91	71	4.273	ug/l #	40
83) tert-Butylbenzene	13.081	119	22	1.227	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.245	105	23	1.166	ug/l #	31
91) 1,2-Dichlorobenzene	13.745	146	44	4.315	ug/l #	25
95) Naphthalene	15.239	128	50	3.621	ug/l #	69

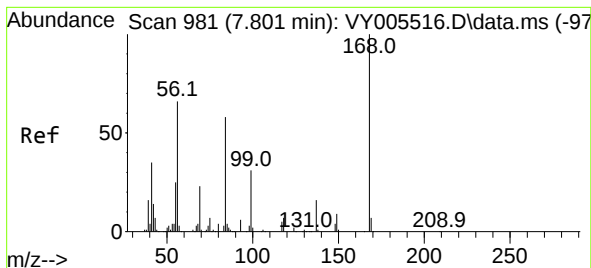
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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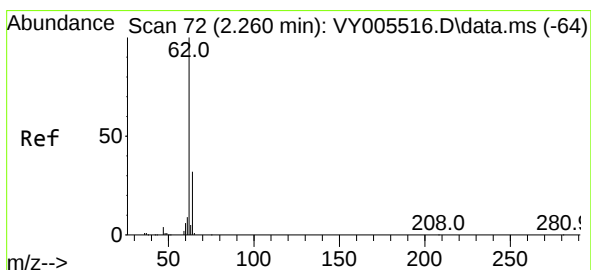
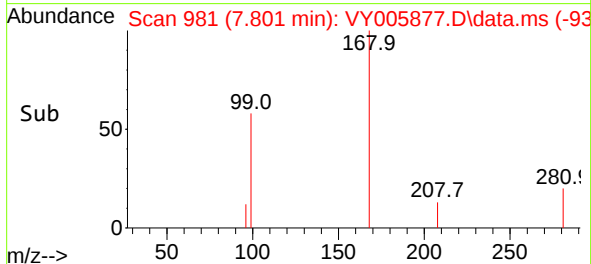
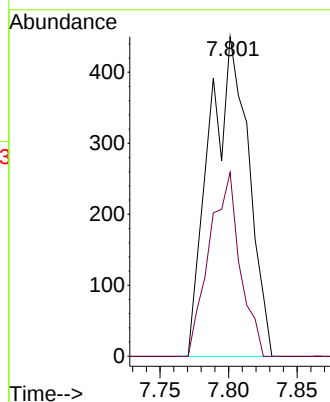
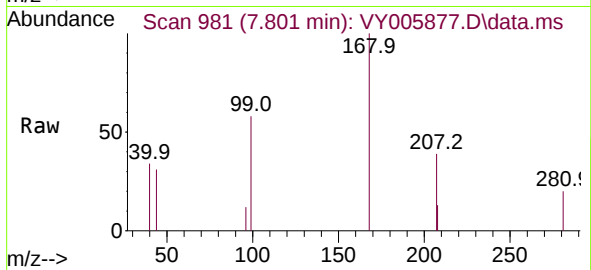




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

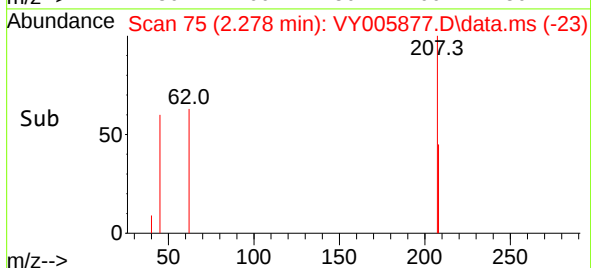
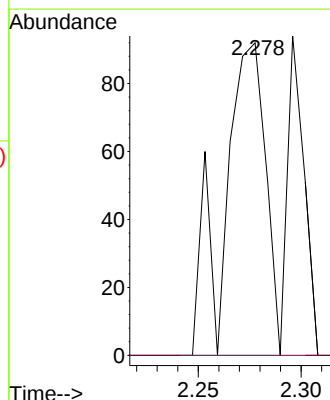
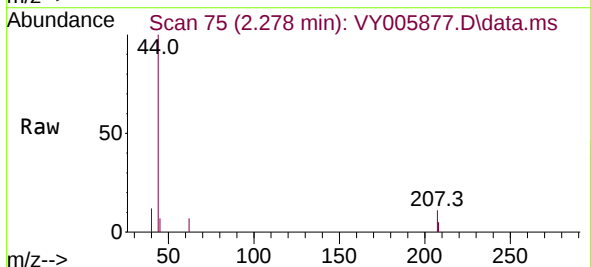
Instrument :
MSVOA_Y
ClientSampled :

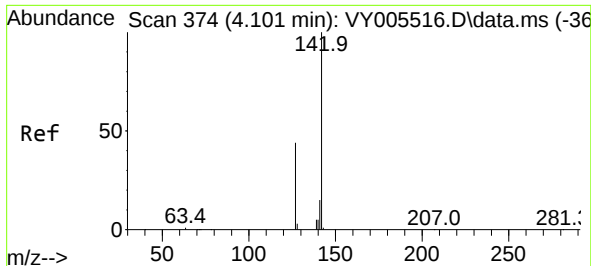
Tgt Ion:168 Resp: 896
Ion Ratio Lower Upper
168 100
99 57.6 38.9 58.3



#4
Vinyl Chloride
Concen: 12.252 ug/l
RT: 2.278 min Scan# 75
Delta R.T. 0.018 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

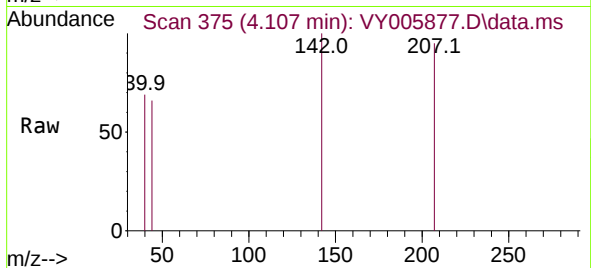
Tgt Ion: 62 Resp: 129
Ion Ratio Lower Upper
62 100
64 0.0 25.9 38.9#



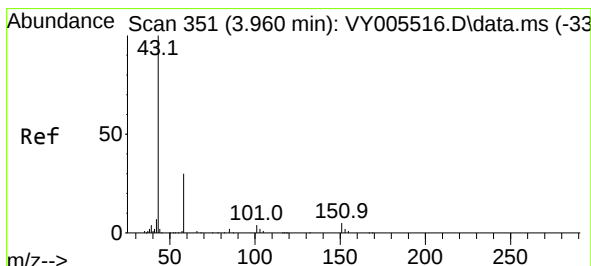
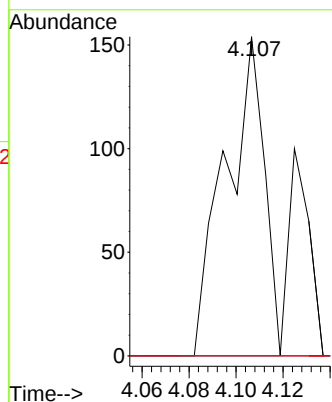
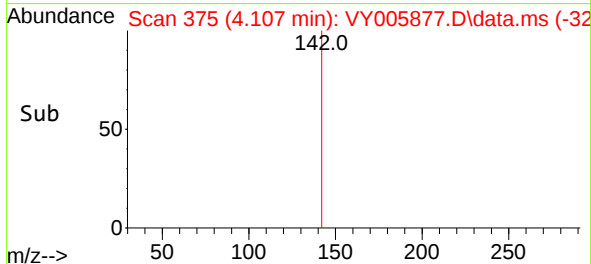


#10
Methyl Iodide
Concen: 18.474 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

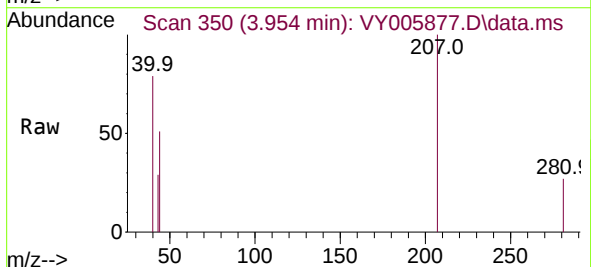
Instrument :
MSVOA_Y
ClientSampled :



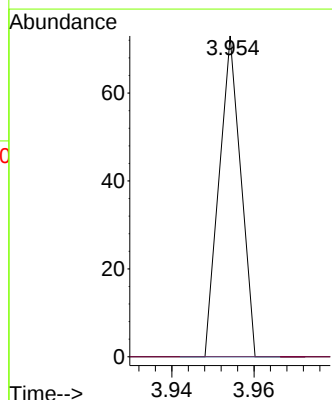
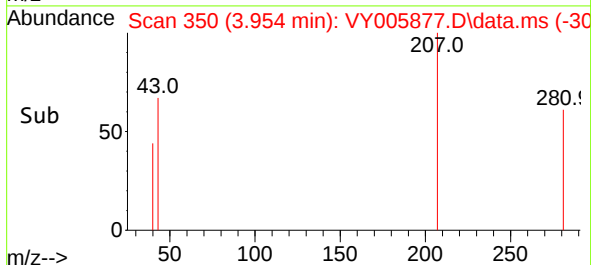
Tgt Ion:142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#

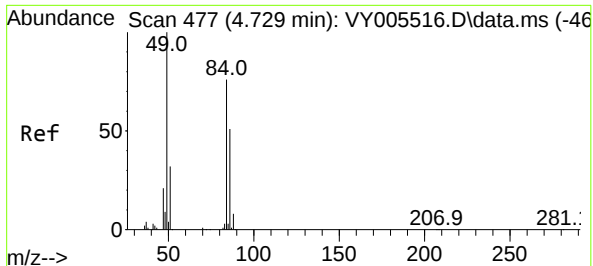


#16
Acetone
Concen: 11.807 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46



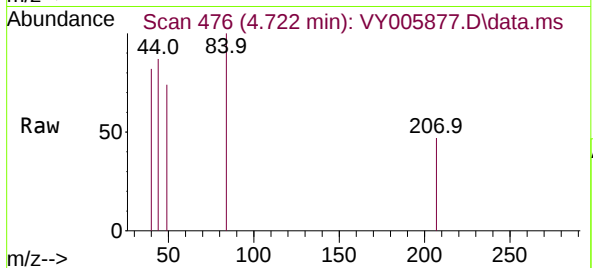
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



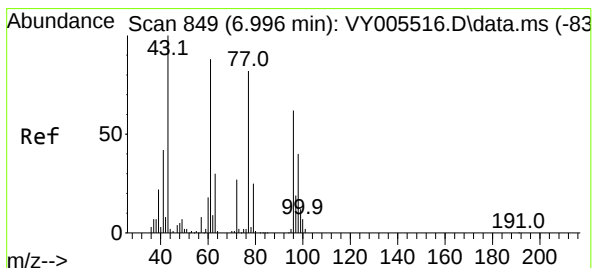
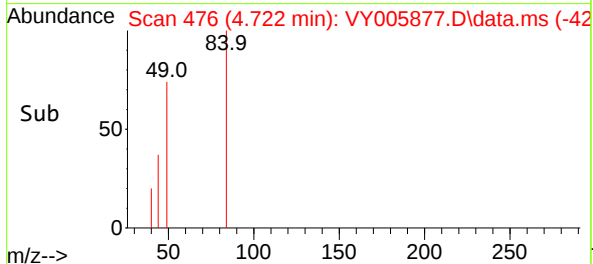
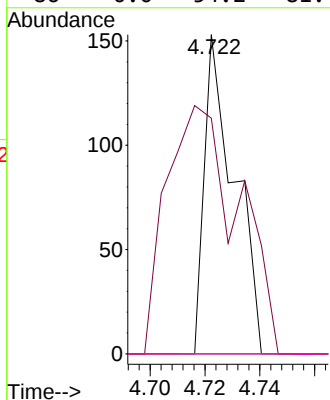


#20
Methylene Chloride
Concen: 7.663 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Instrument :
MSVOA_Y
ClientSampleId :

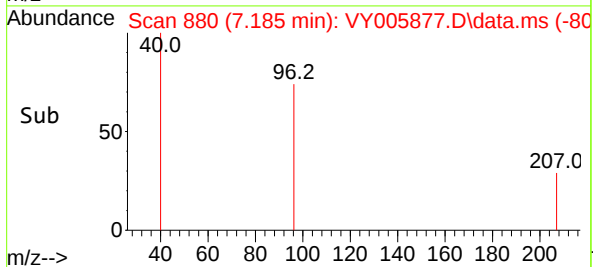
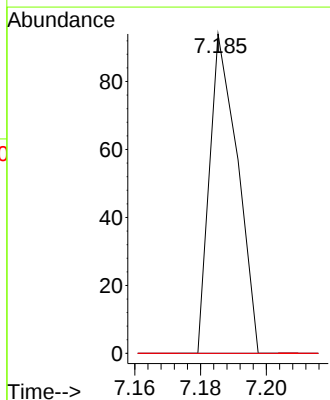
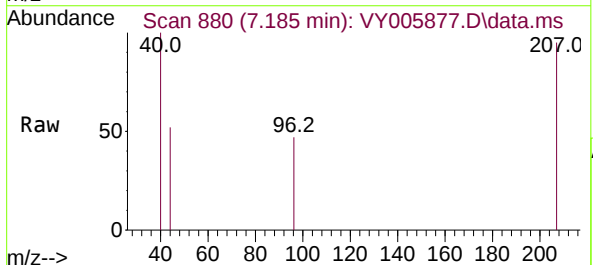


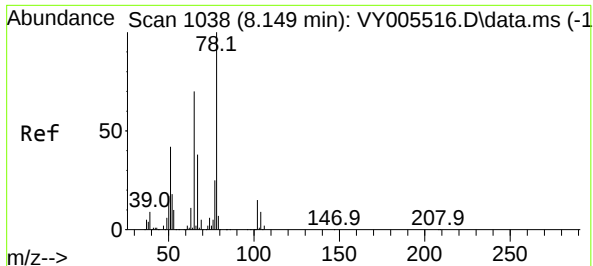
Tgt Ion:	84	Resp:	116
Ion	Ratio	Lower	Upper
84	100		
49	73.9	105.8	158.6#
51	0.0	33.4	50.2#
86	0.0	54.2	81.4#



#27
cis-1,2-Dichloroethene
Concen: 5.602 ug/l
RT: 7.185 min Scan# 880
Delta R.T. 0.189 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion:	96	Resp:	55
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	290.0
98	0.0	0.0	128.0

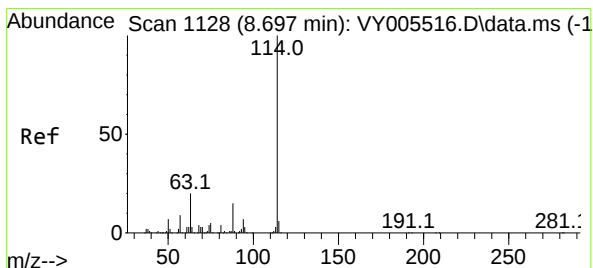
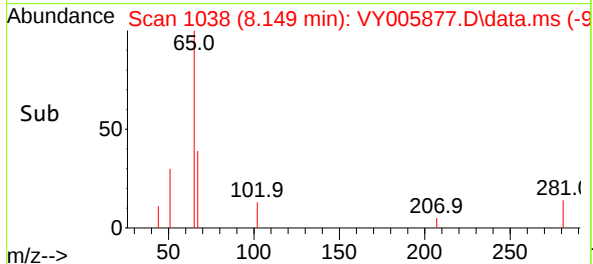
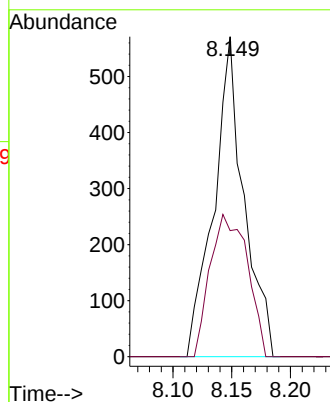
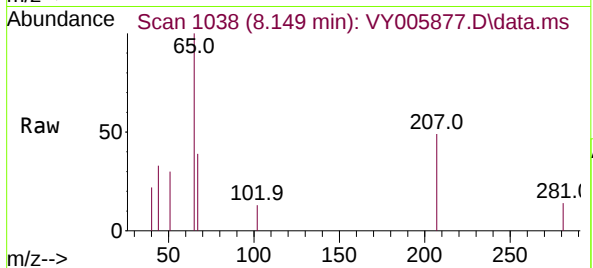




#33
1,2-Dichloroethane-d4
Concen: 111.910 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

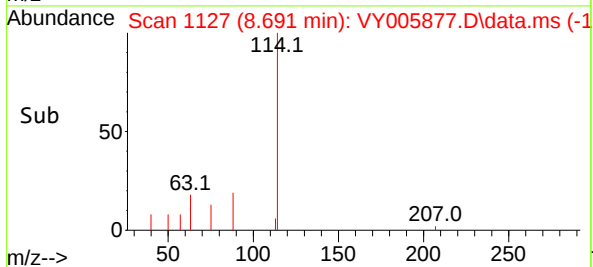
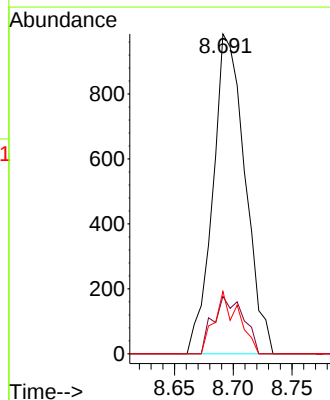
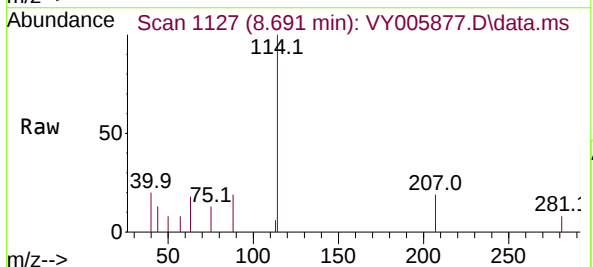
Instrument :
MSVOA_Y
ClientSampleId :

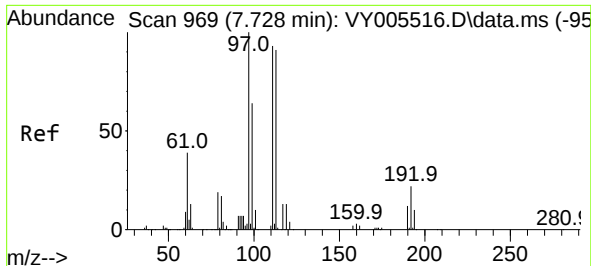
Tgt Ion: 65 Resp: 1015
Ion Ratio Lower Upper
65 100
67 55.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

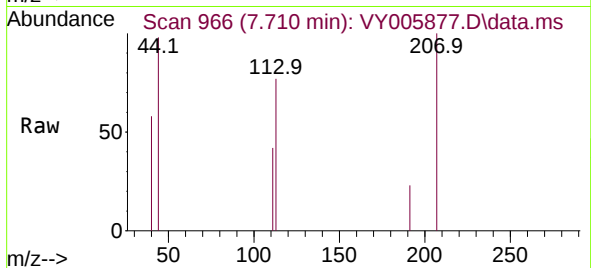
Tgt Ion: 114 Resp: 1874
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.2
88 19.5 0.0 30.8



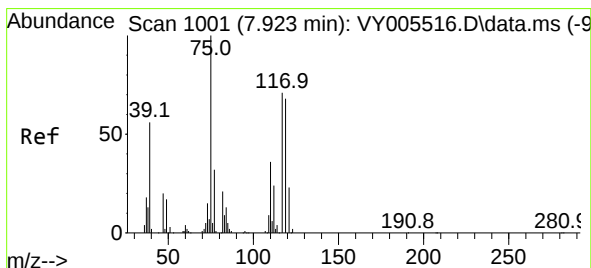
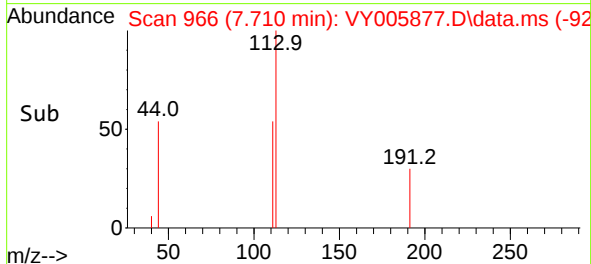
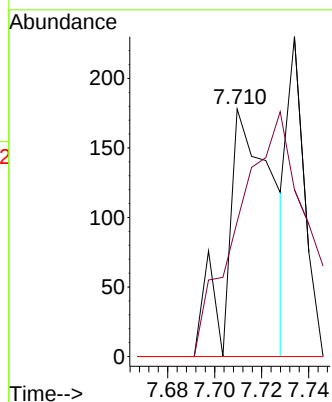


#35
Dibromofluoromethane
Concen: 22.874 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.018 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Instrument :
MSVOA_Y
ClientSampleId :

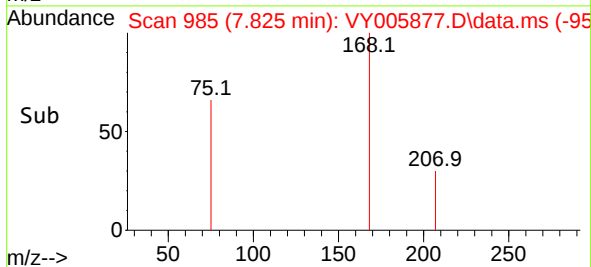
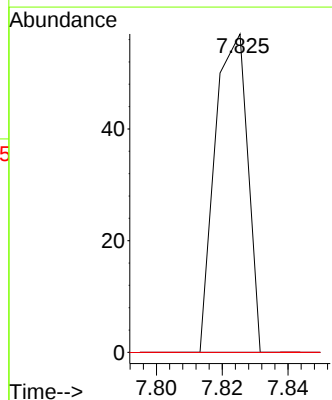
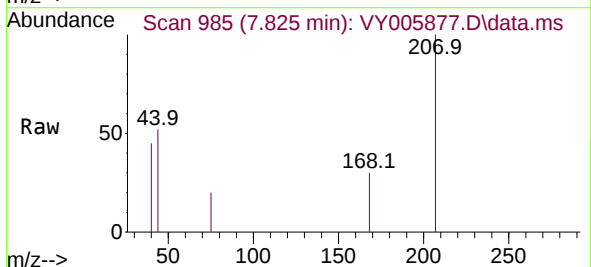


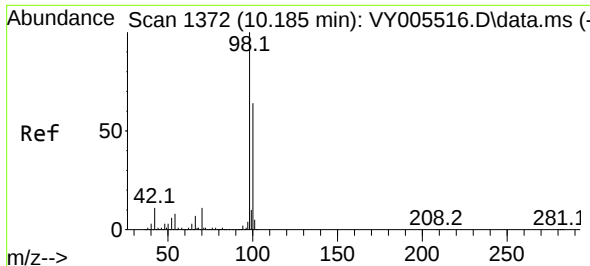
Tgt Ion:113 Resp: 240
Ion Ratio Lower Upper
113 100
111 143.8 81.9 122.9#
192 0.0 19.2 28.8#



#36
1,1-Dichloropropene
Concen: 2.219 ug/l
RT: 7.825 min Scan# 985
Delta R.T. -0.098 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

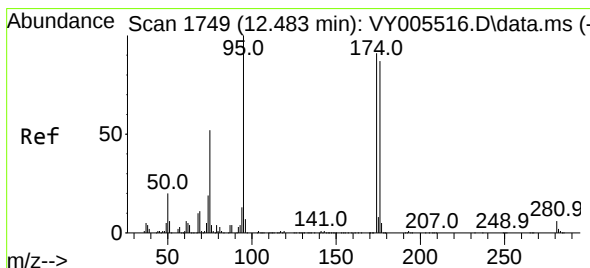
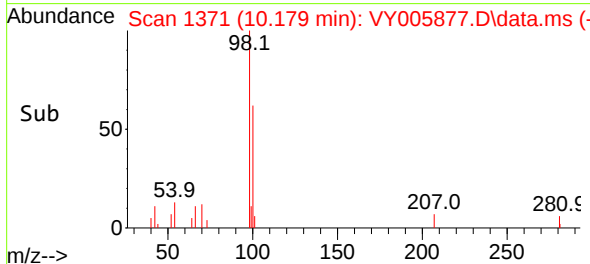
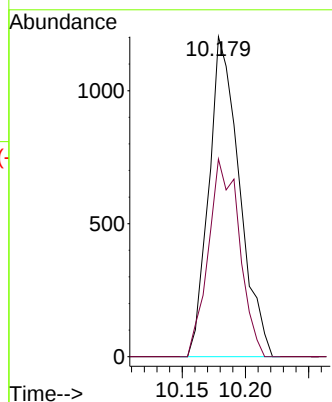
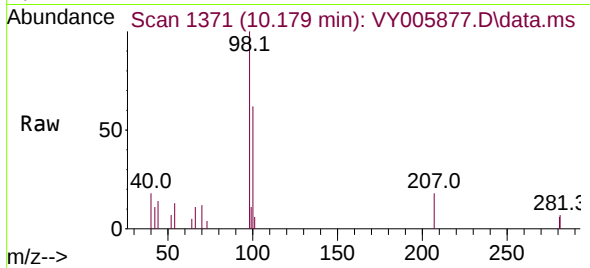




#50
Toluene-d8
Concen: 45.906 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

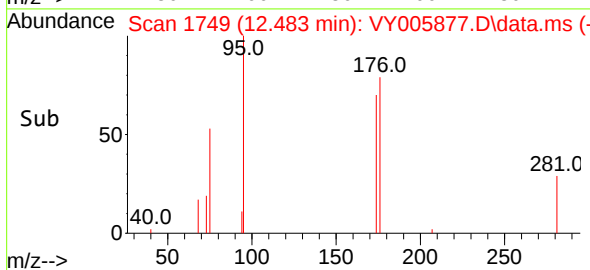
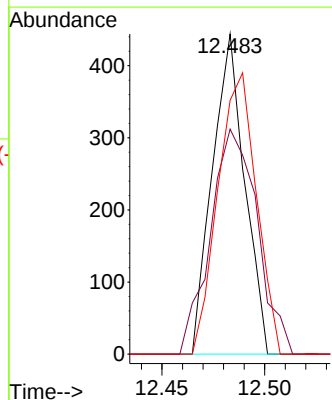
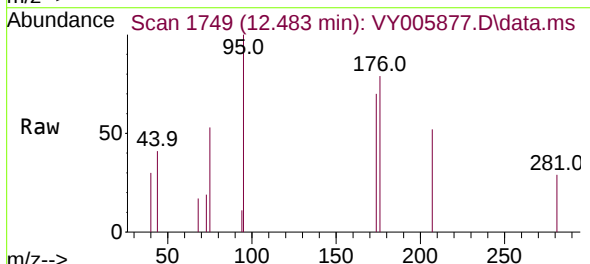
Instrument :
MSVOA_Y
ClientSampled :

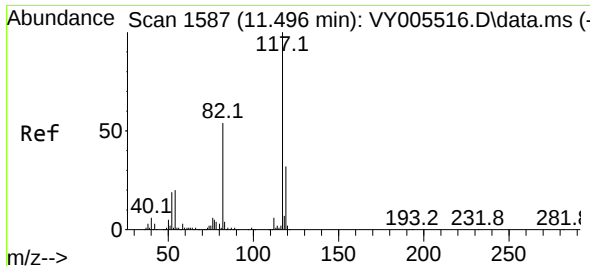
Tgt Ion: 98 Resp: 2020
Ion Ratio Lower Upper
98 100
100 62.5 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 33.215 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion: 95 Resp: 484
Ion Ratio Lower Upper
95 100
174 102.3 0.0 191.4
176 104.8 0.0 183.6

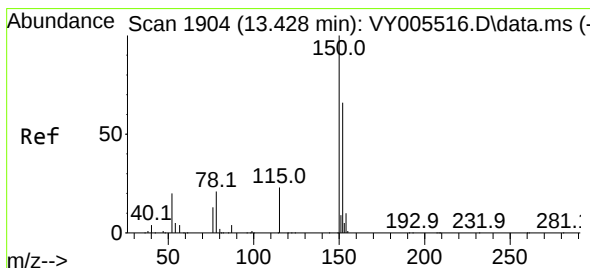
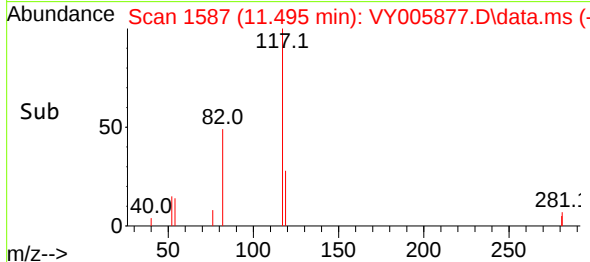
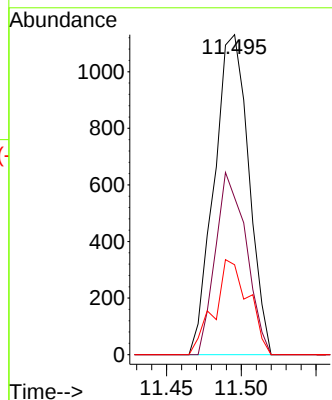
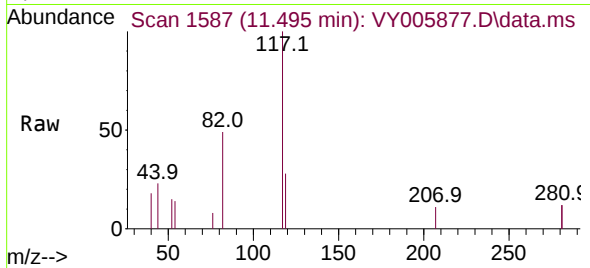




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

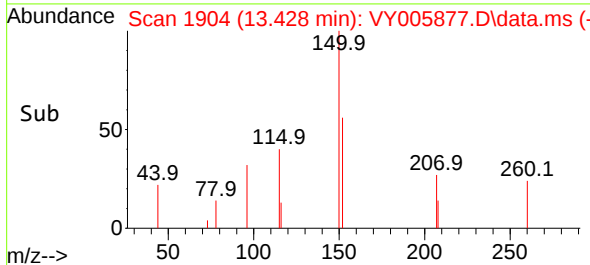
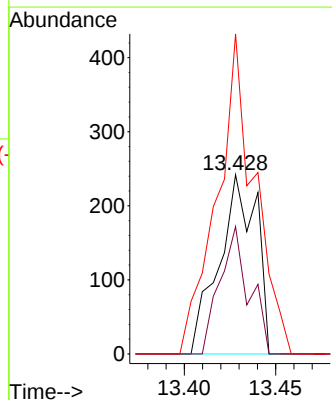
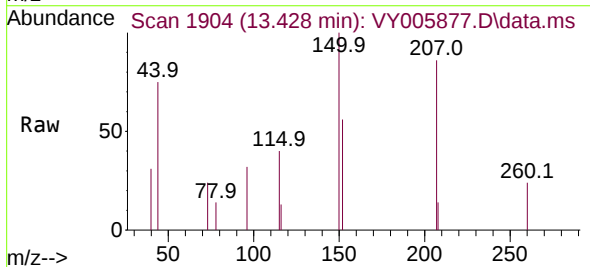
Instrument :
MSVOA_Y
ClientSampleId :

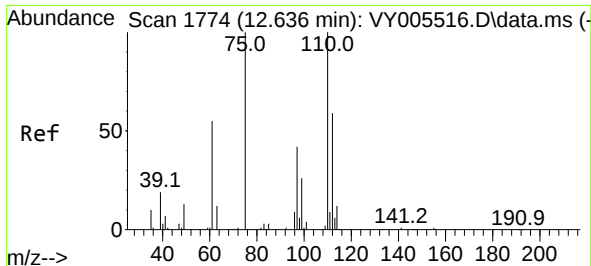
Tgt Ion:	117	Resp:	1816
Ion	Ratio	Lower	Upper
117	100		
82	49.1	43.5	65.3
119	28.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion:	152	Resp:	345
Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.3	81.9
150	178.6	0.0	350.2

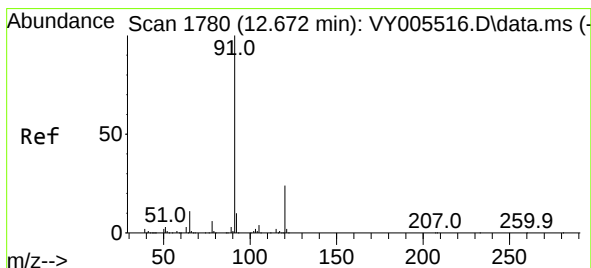
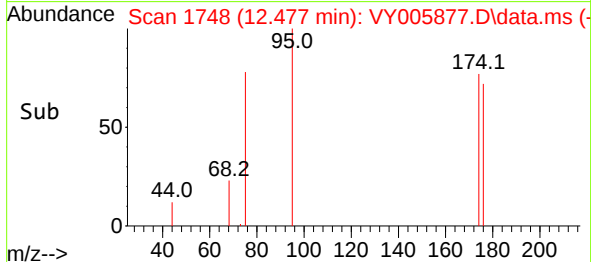
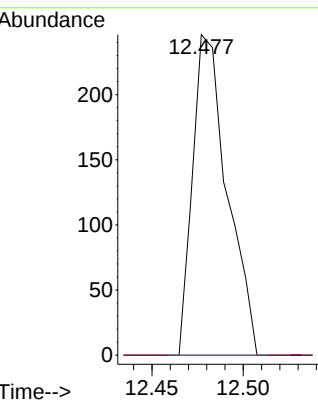
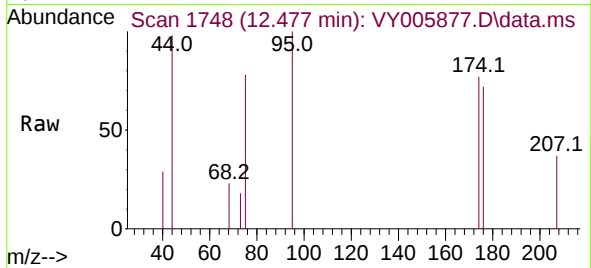




#76
1,2,3-Trichloropropane
Concen: 90.624 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

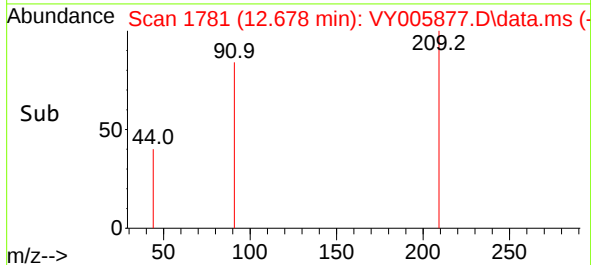
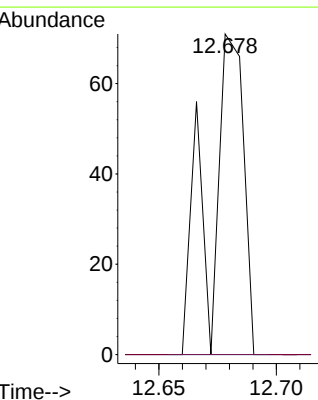
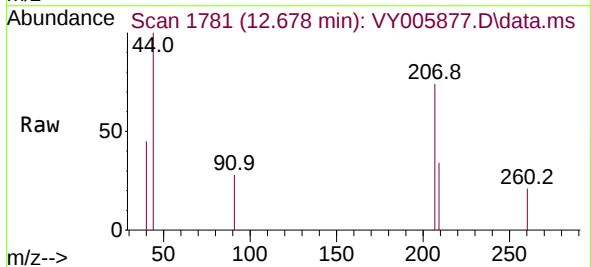
Instrument :
MSVOA_Y
ClientSampleId :

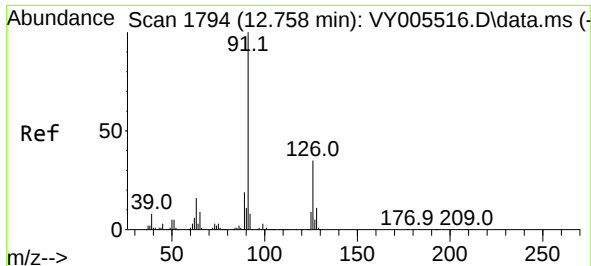
Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 2.482 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#

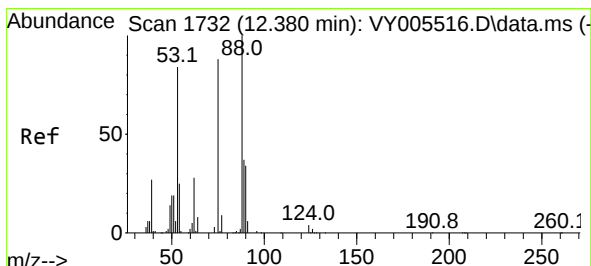
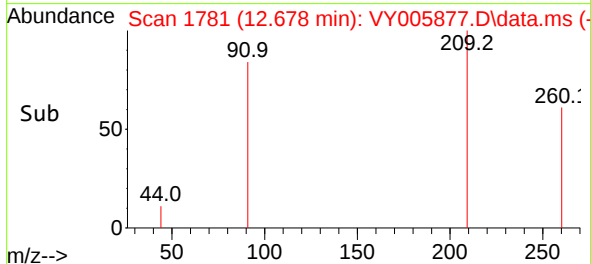
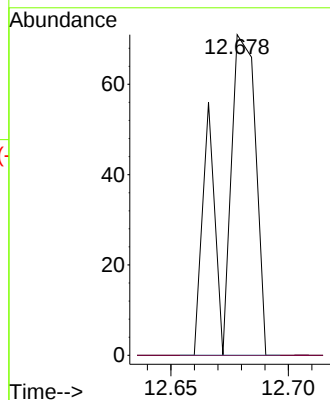
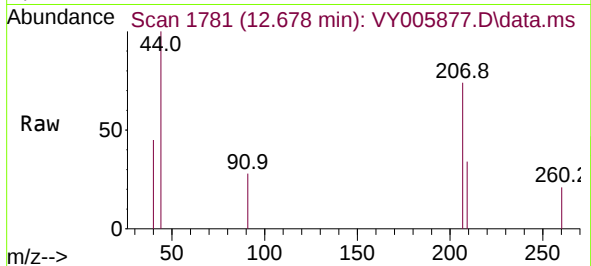




#79
2-Chlorotoluene
Concen: 4.421 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.079 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

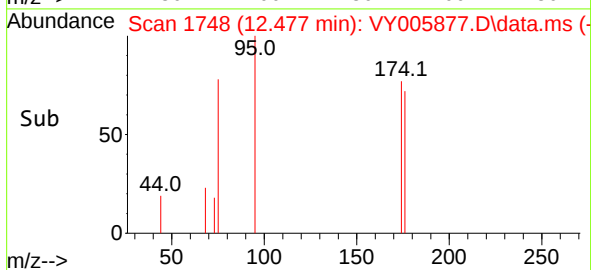
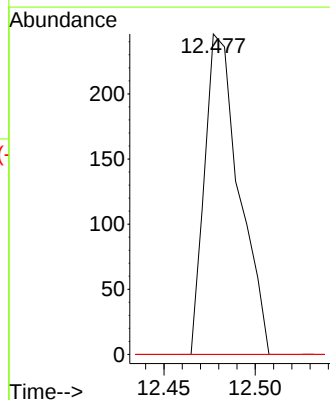
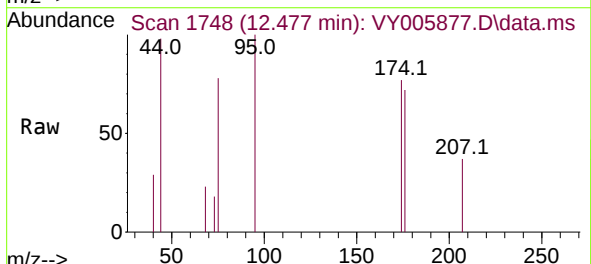
Instrument :
MSVOA_Y
ClientSampled :

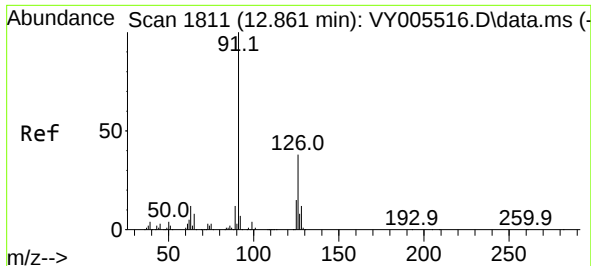
Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 182.687 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#

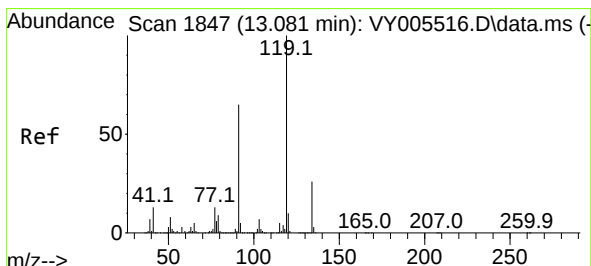
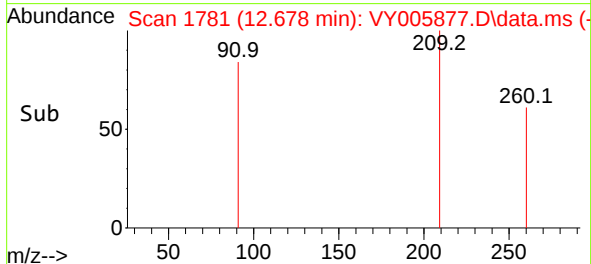
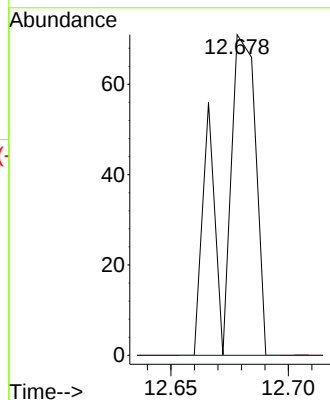
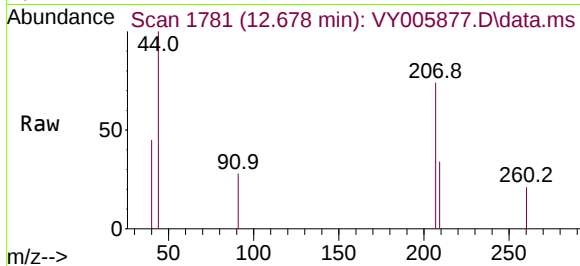




#82
4-Chlorotoluene
Concen: 4.273 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.183 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

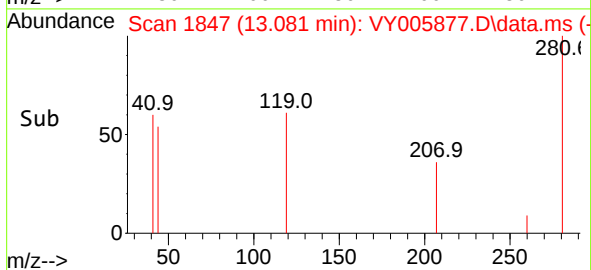
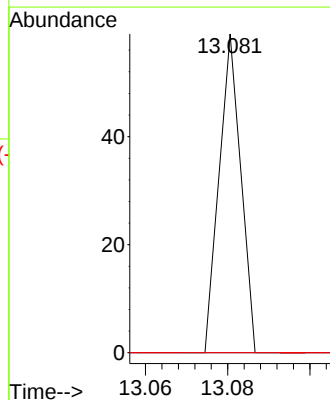
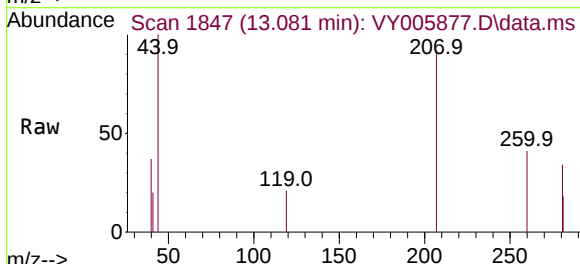
Instrument :
MSVOA_Y
ClientSampleId :

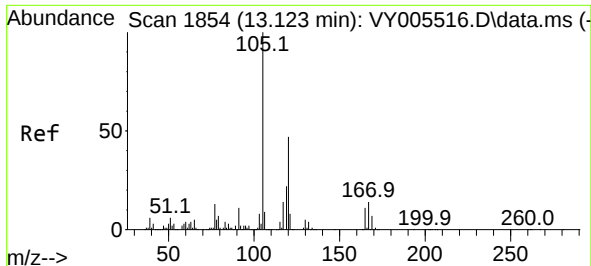
Tgt Ion: 91 Resp: 71
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#83
tert-Butylbenzene
Concen: 1.227 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion: 119 Resp: 22
Ion Ratio Lower Upper
119 100
91 0.0 31.9 95.9#
134 0.0 13.4 40.2#

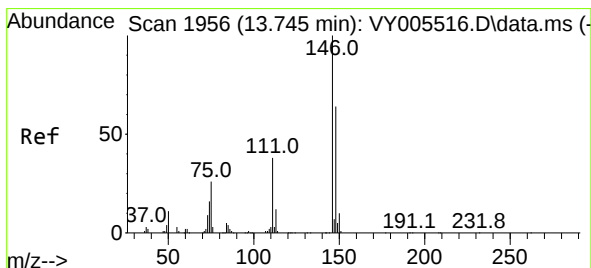
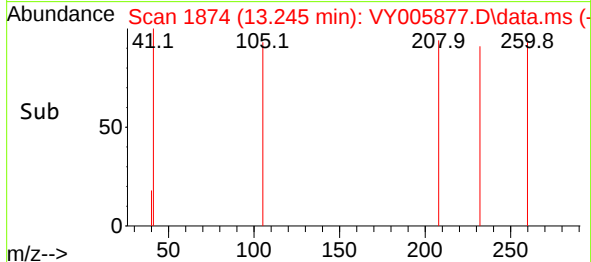
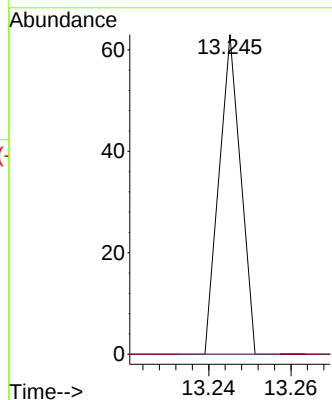
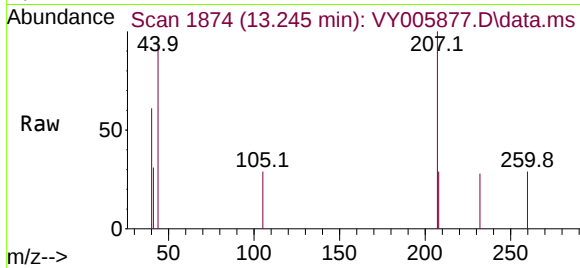




#84
1,2,4-Trimethylbenzene
Concen: 1.166 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. 0.122 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

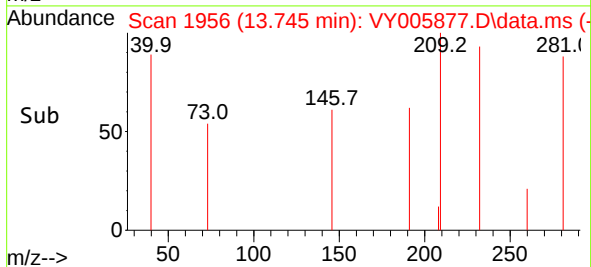
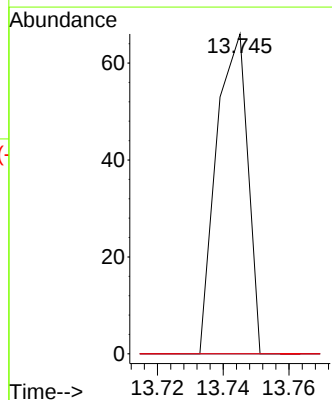
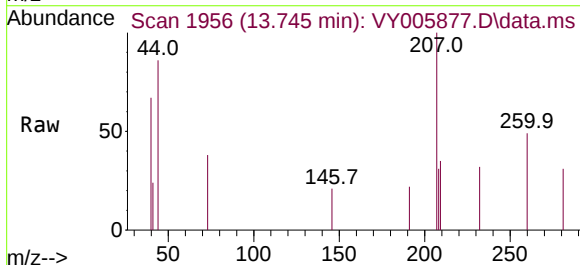
Instrument :
MSVOA_Y
ClientSampled :

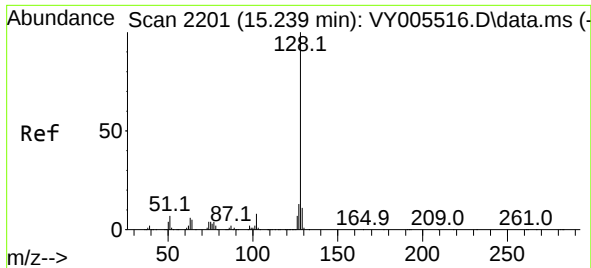
Tgt Ion:105 Resp: 23
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.5#



#91
1,2-Dichlorobenzene
Concen: 4.315 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Tgt Ion:146 Resp: 44
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 0.0 31.9 95.5#





#95
Naphthalene
Concen: 3.621 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005877.D
Acq: 27 Aug 2021 12:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#

