

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004790.D
 Acq On : 14 May 2021 18:04
 Operator : SY/MD
 Sample : M2387-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 41789

Quant Time: May 15 04:00:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

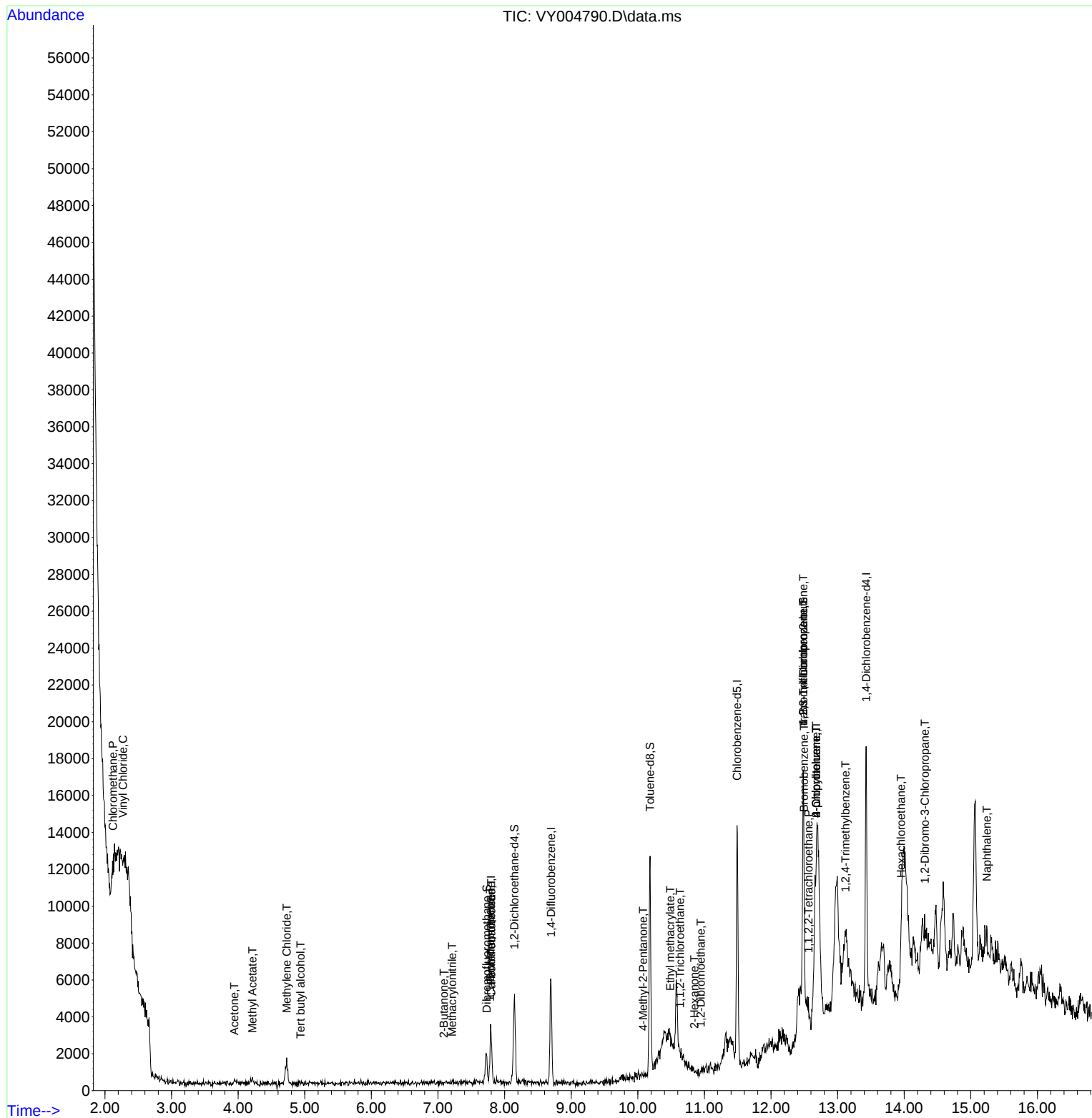
Internal Standards						
1) Pentafluorobenzene	7.795	168	2472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	5218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3334	113.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 226.62%#			
35) Dibromofluoromethane	7.734	113	1133	39.66	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 79.32%			
50) Toluene-d8	10.185	98	7332	56.82	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.64%			
62) 4-Bromofluorobenzene	12.483	95	3240	74.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 148.78%#			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	146	3.98	ug/l #	43
4) Vinyl Chloride	2.272	62	915	24.38	ug/l #	43
11) Tert butyl alcohol	4.936	59	24	8.12	ug/l #	71
16) Acetone	3.942	43	248	37.52	ug/l #	45
18) Methyl Acetate	4.216	43	44	2.09	ug/l #	56
20) Methylene Chloride	4.728	84	827	22.26	ug/l	87
25) 2-Butanone	7.088	43	27	2.30	ug/l #	51
36) 1,1-Dichloropropene	7.783	75	345	6.45	ug/l #	42
38) Carbon Tetrachloride	7.801	117	288	5.99	ug/l #	12
41) Methacrylonitrile	7.216	41	27	1.35	ug/l #	100
51) 4-Methyl-2-Pentanone	10.081	43	310	8.47	ug/l #	39
55) 1,1,2-Trichloroethane	10.636	97	72	2.38	ug/l #	30
56) Ethyl methacrylate	10.490	69	240	5.48	ug/l #	25
59) 2-Hexanone	10.849	43	272	10.97	ug/l #	27
61) 1,2-Dibromoethane	10.947	107	30	1.03	ug/l #	3
75) 1,1,2,2-Tetrachloroethane	12.562	83	111	2.29	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	2012	58.90	ug/l #	100
77) Bromobenzene	12.495	156	2217	40.47	ug/l #	1
78) n-propylbenzene	12.678	91	372	1.26	ug/l #	54
79) 2-Chlorotoluene	12.678	91	372	2.29	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.483	75	2012	102.13	ug/l #	13
82) 4-Chlorotoluene	12.678	91	372	2.20	ug/l	89
84) 1,2,4-Trimethylbenzene	13.117	105	484	2.40	ug/l #	31
90) Hexachloroethane	13.952	117	80	2.62	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.312	75	49	5.42	ug/l #	35
95) Naphthalene	15.239	128	770	5.83	ug/l #	93

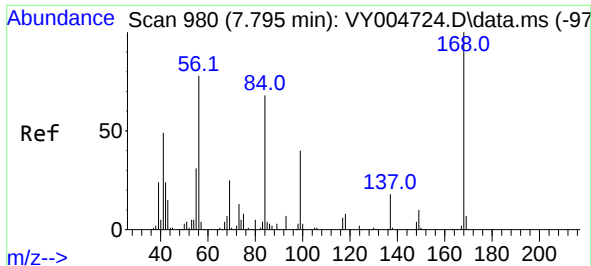
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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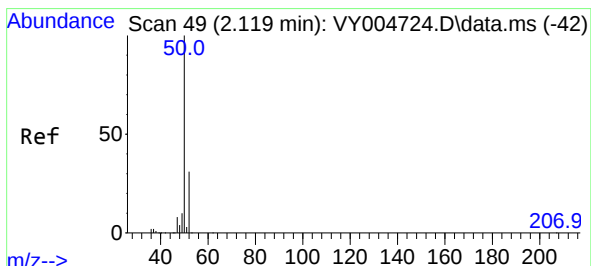
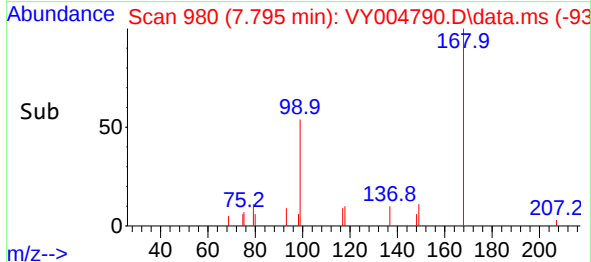
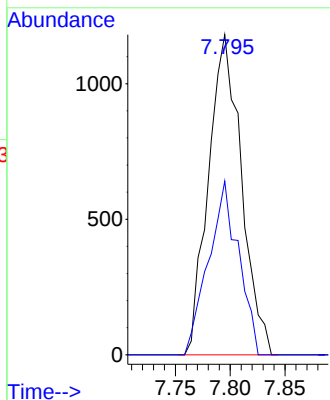
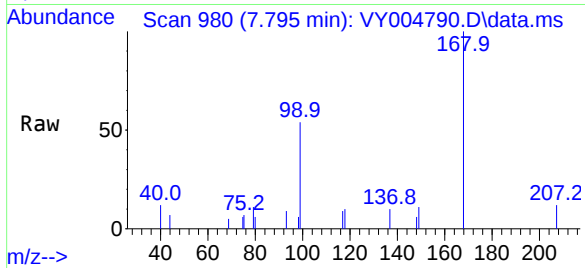




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

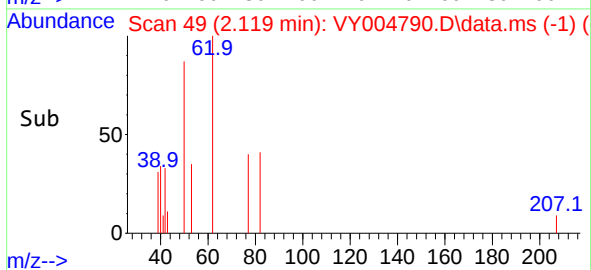
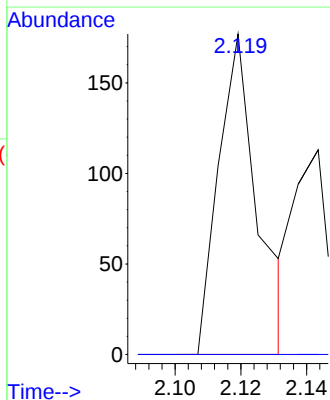
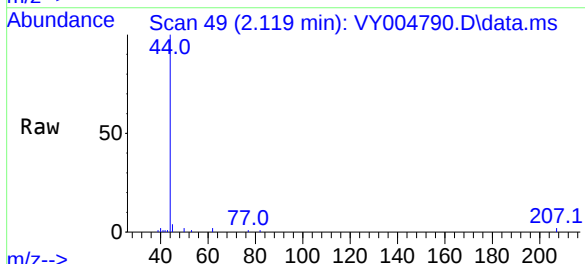
Instrument :
MSVOA_Y
ClientSampled :
41789

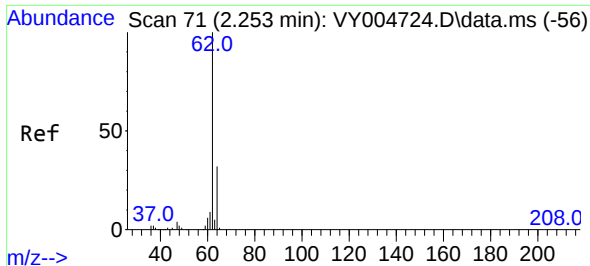
Tgt Ion:168 Resp: 2472
Ion Ratio Lower Upper
168 100
99 54.3 45.6 68.4



#3
Chloromethane
Concen: 3.98 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 50 Resp: 146
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.6#

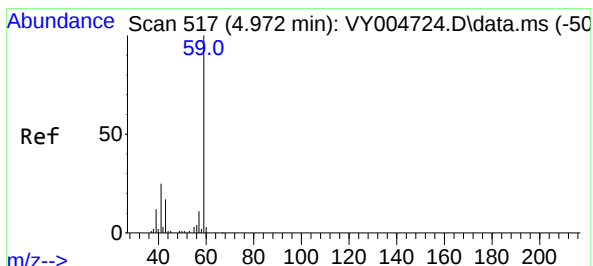
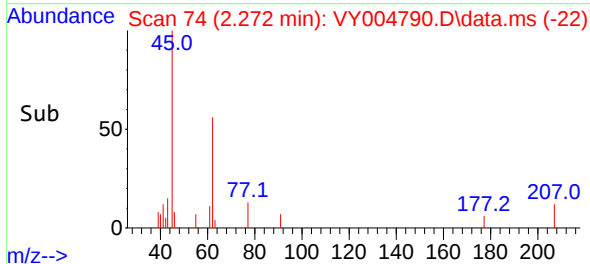
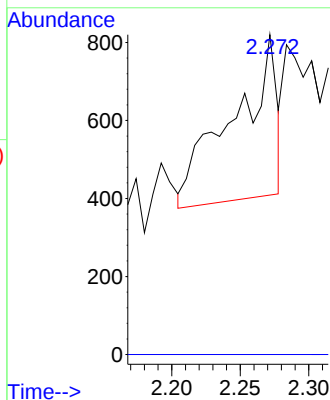
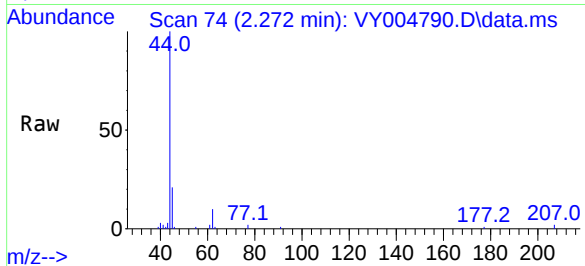




#4
Vinyl Chloride
Concen: 24.38 ug/l
RT: 2.272 min Scan# 74
Delta R.T. 0.018 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

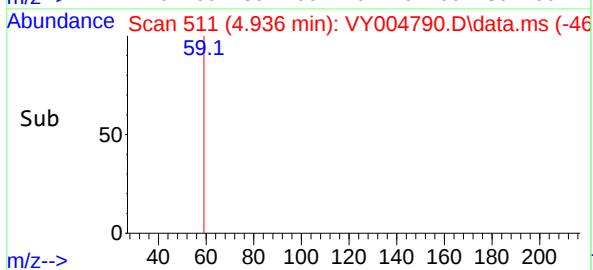
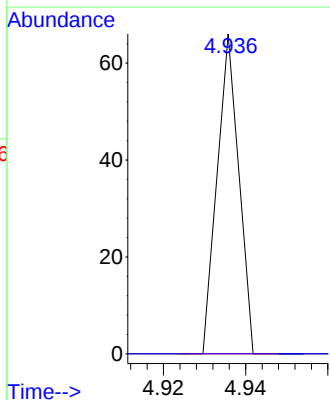
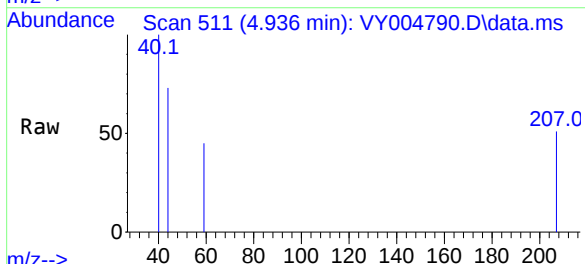
Instrument :
MSVOA_Y
ClientSampleId :
41789

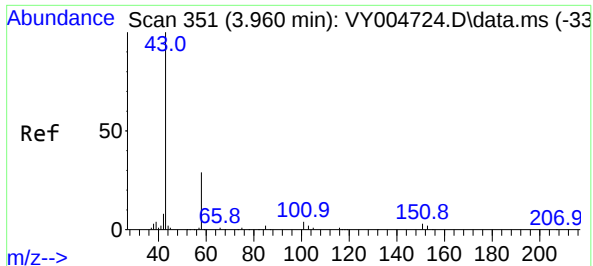
Tgt Ion: 62 Resp: 915
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 8.12 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.037 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

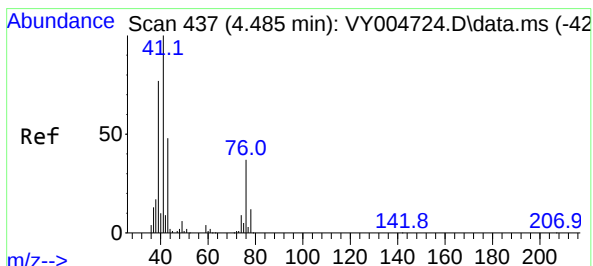
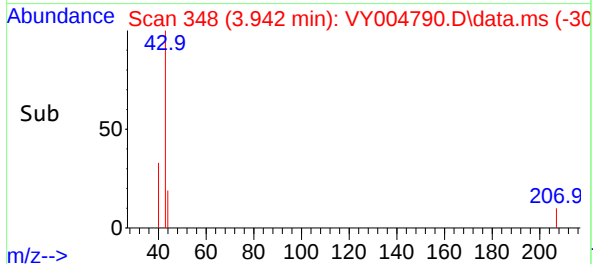
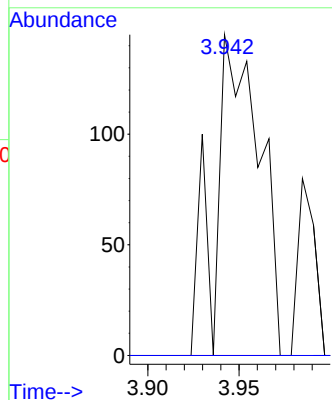
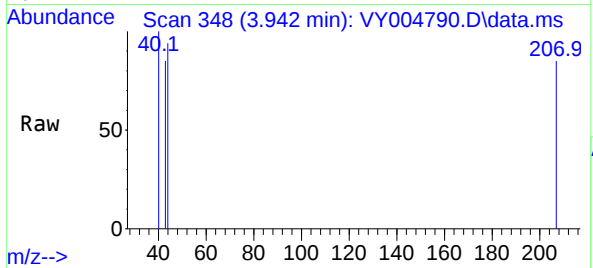




#16
Acetone
Concen: 37.52 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.018 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

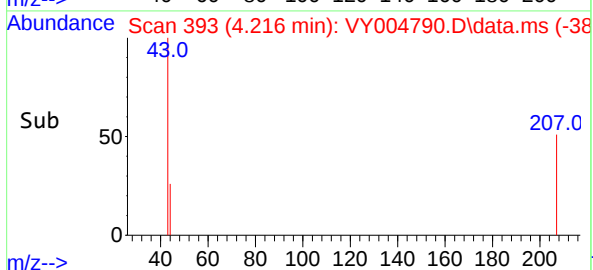
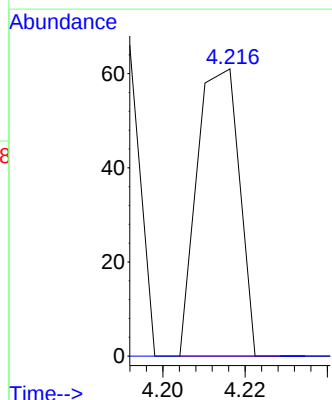
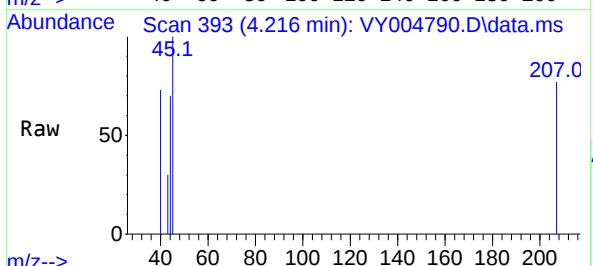
Instrument :
MSVOA_Y
ClientSampleId :
41789

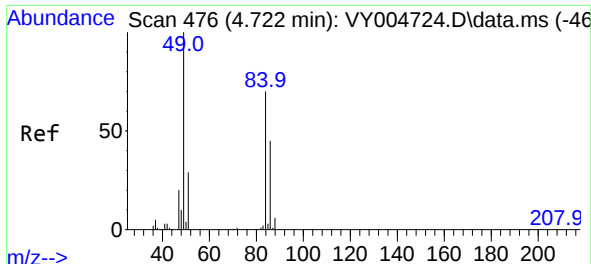
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#



#18
Methyl Acetate
Concen: 2.09 ug/l
RT: 4.216 min Scan# 393
Delta R.T. -0.268 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



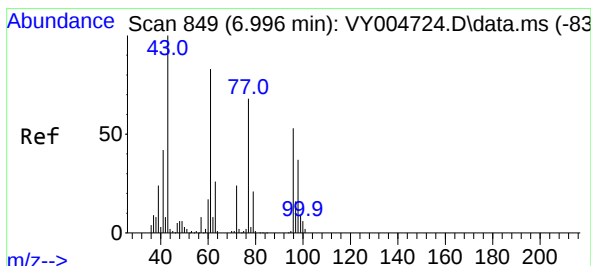
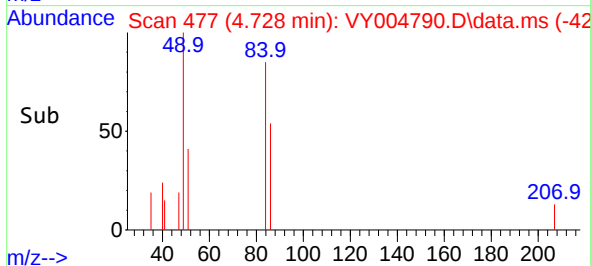
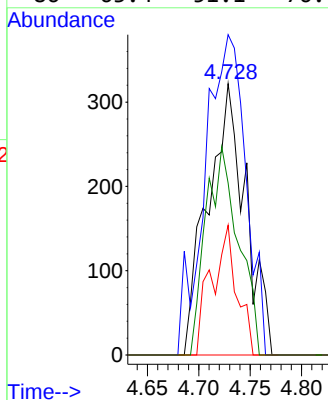
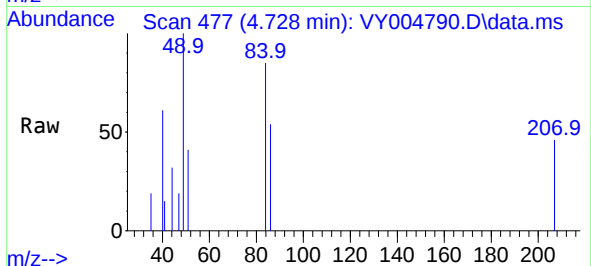


#20
Methylene Chloride
Concen: 22.26 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Instrument :
MSVOA_Y
ClientSampleId :
41789

Tgt Ion: 84 Resp: 827

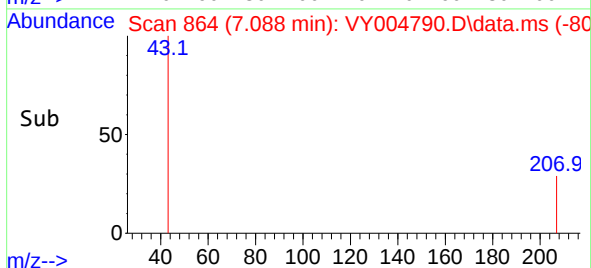
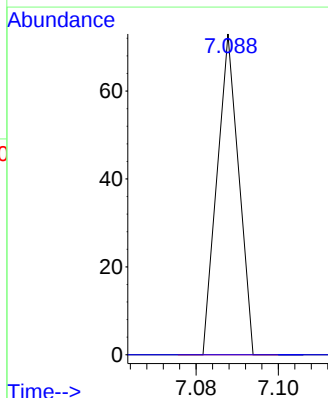
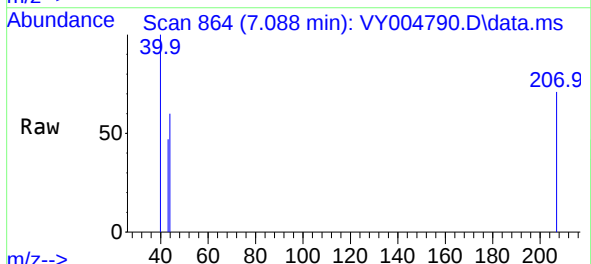
Ion	Ratio	Lower	Upper
84	100		
49	118.0	113.8	170.8
51	47.8	33.5	50.3
86	63.4	51.1	76.7

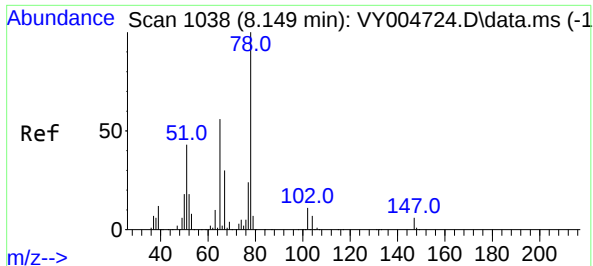


#25
2-Butanone
Concen: 2.30 ug/l
RT: 7.088 min Scan# 864
Delta R.T. 0.091 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 43 Resp: 27

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.0#



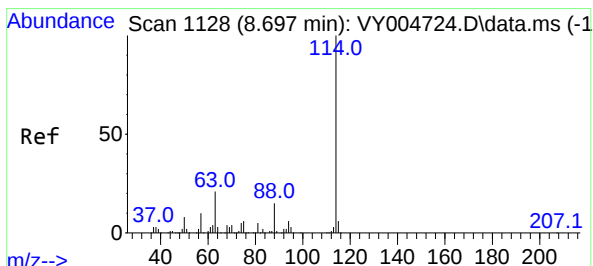
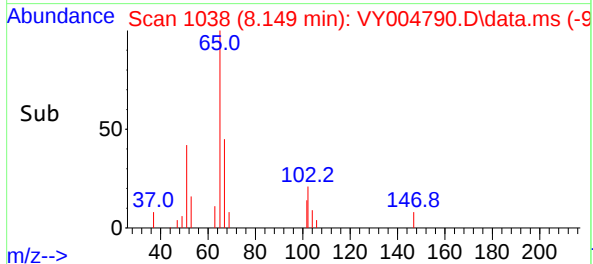
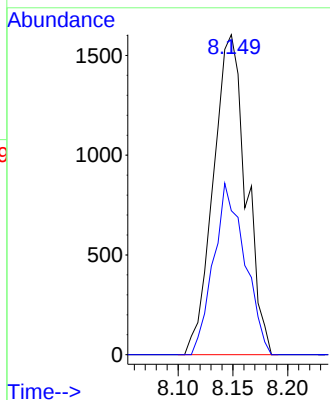
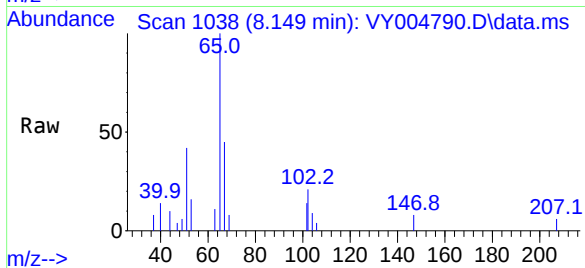


#33

1,2-Dichloroethane-d4
Concen: 113.31 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Instrument :
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ClientSampled :
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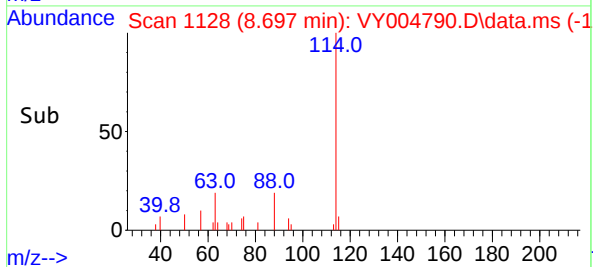
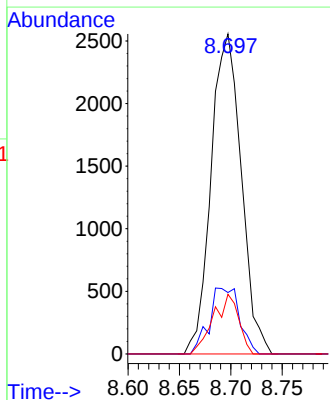
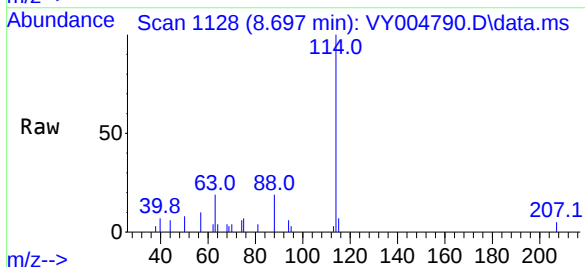
Tgt Ion: 65 Resp: 3334
Ion Ratio Lower Upper
65 100
67 51.0 0.0 108.0

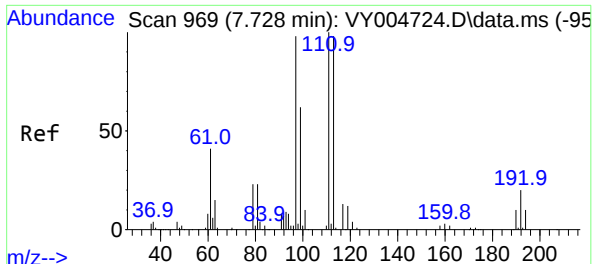


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 114 Resp: 5218
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.8
88 18.6 0.0 31.0

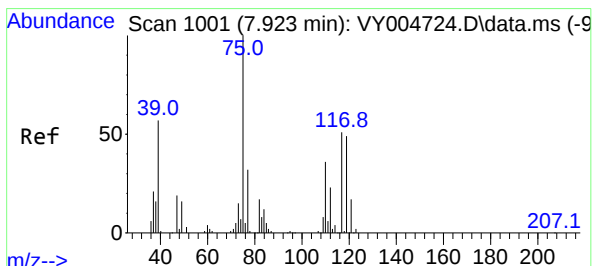
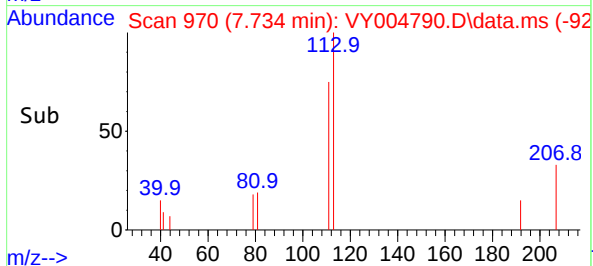
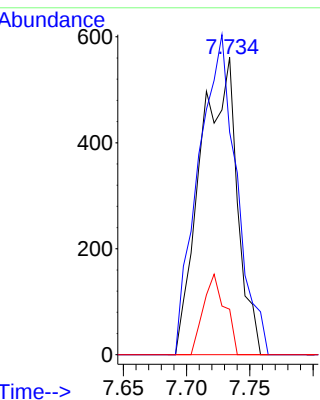
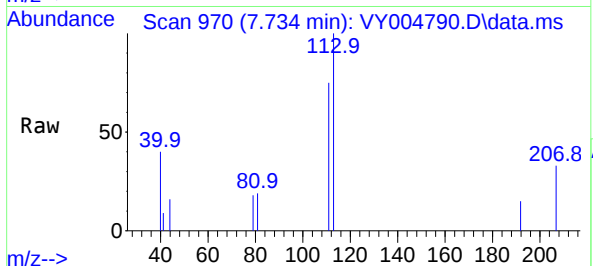




#35
Dibromofluoromethane
Concen: 39.66 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

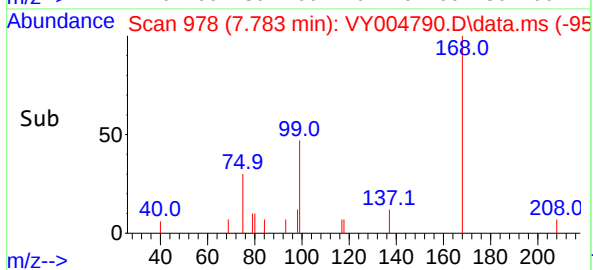
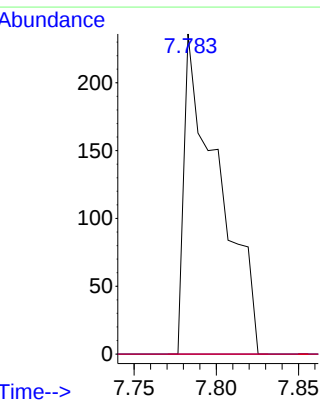
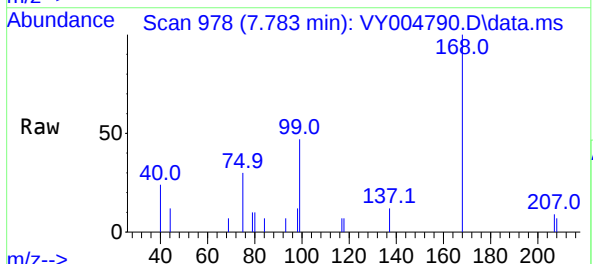
Instrument :
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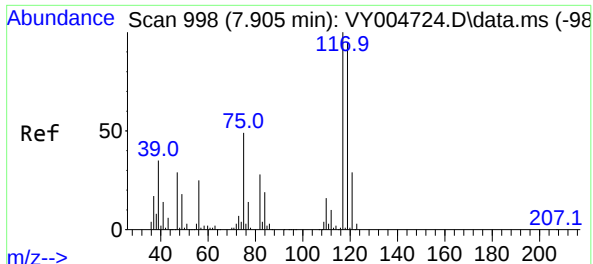
Tgt Ion:	113	Resp:	1133
Ion	Ratio	Lower	Upper
113	100		
111	111.5	80.5	120.7
192	16.1	15.0	22.6



#36
1,1-Dichloropropene
Concen: 6.45 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:	75	Resp:	345
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	50.9#
77	0.0	25.0	37.4#

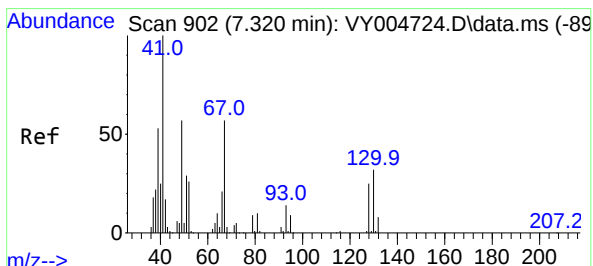
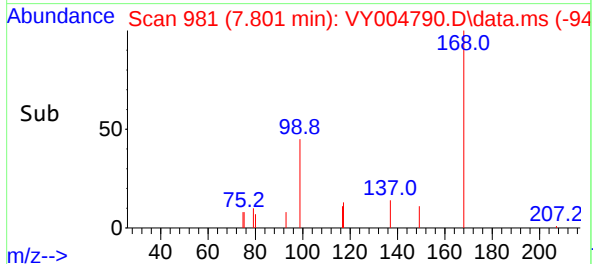
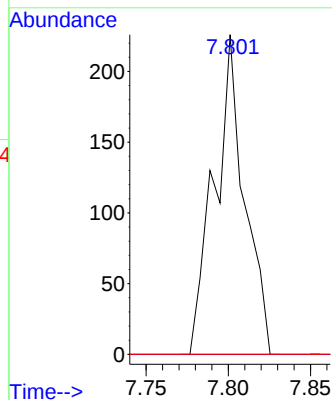
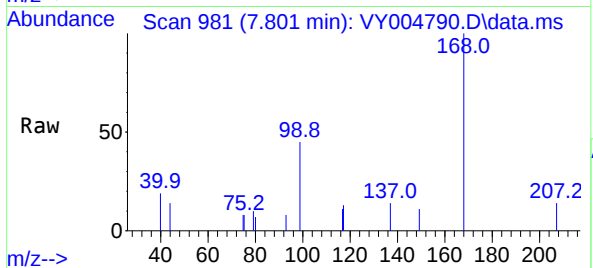




#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

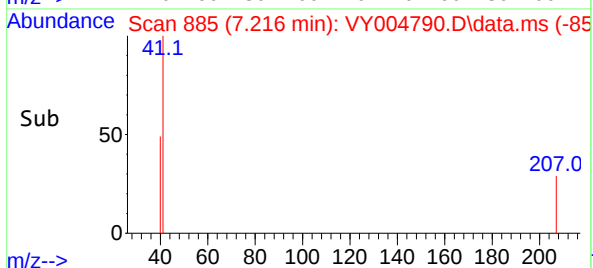
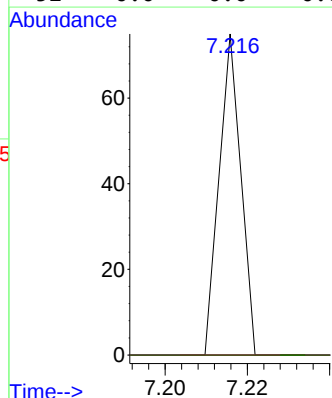
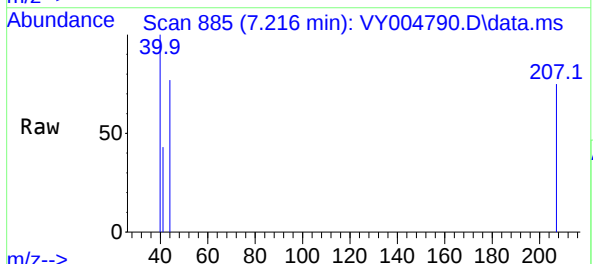
Instrument :
MSVOA_Y
ClientSampleId :
41789

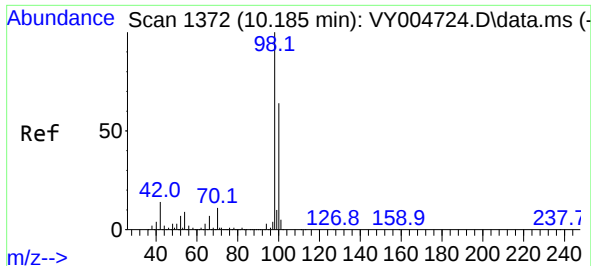
Tgt Ion:117 Resp: 288
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 23.0 34.6#



#41
Methacrylonitrile
Concen: 1.35 ug/l
RT: 7.216 min Scan# 885
Delta R.T. -0.104 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 41 Resp: 27
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

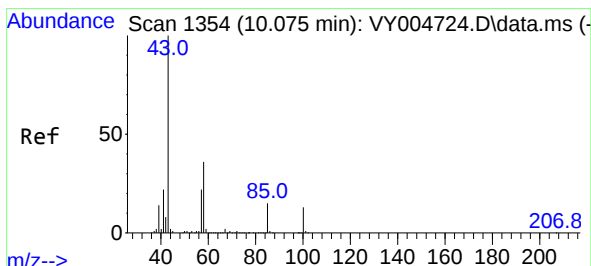
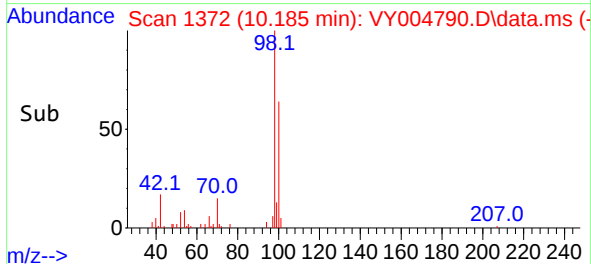
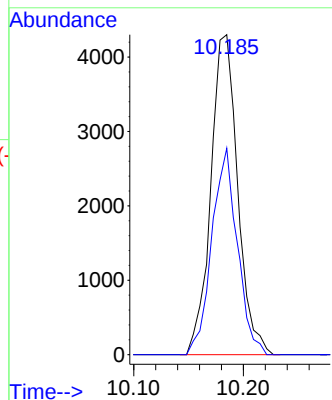
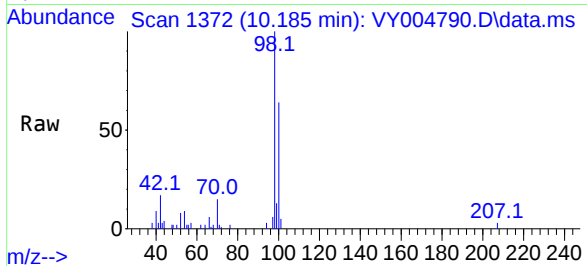




#50
Toluene-d8
Concen: 56.82 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

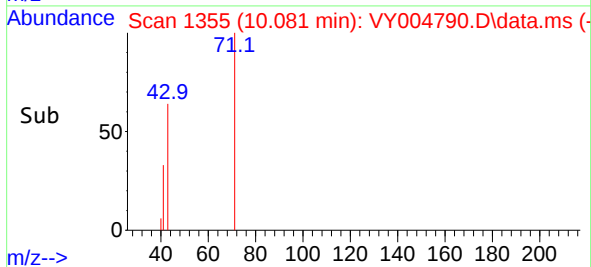
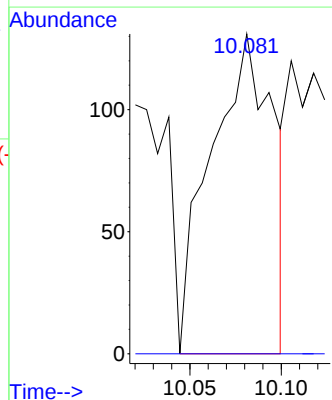
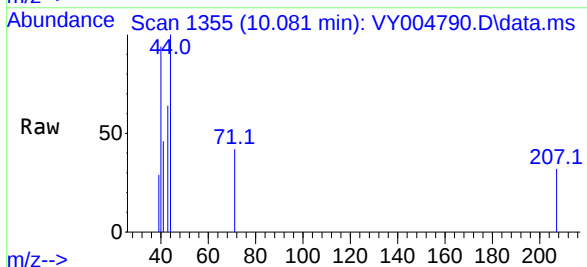
Instrument :
MSVOA_Y
ClientSampled :
41789

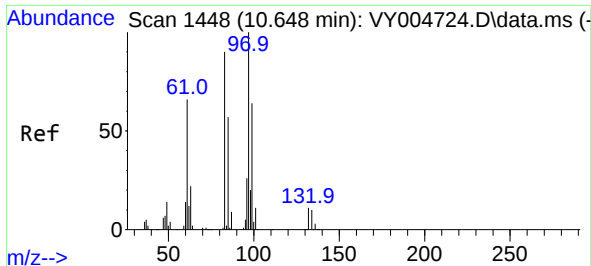
Tgt Ion: 98 Resp: 7332
Ion Ratio Lower Upper
98 100
100 61.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 8.47 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

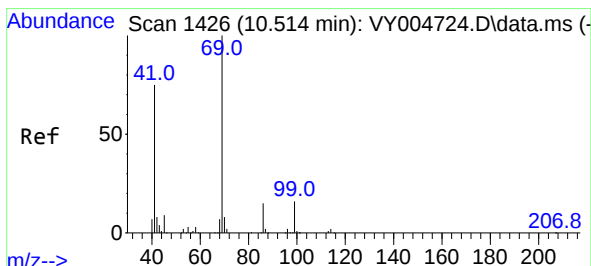
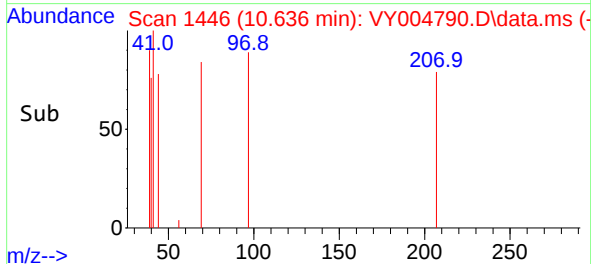
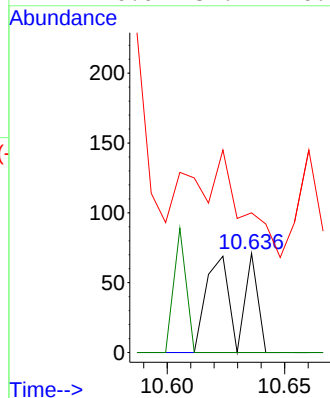
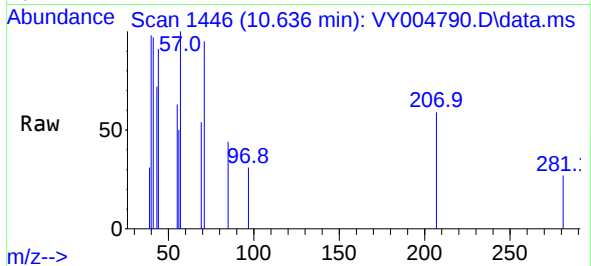




#55
1,1,2-Trichloroethane
Concen: 2.38 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.012 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

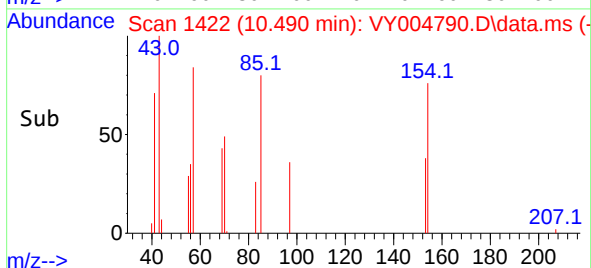
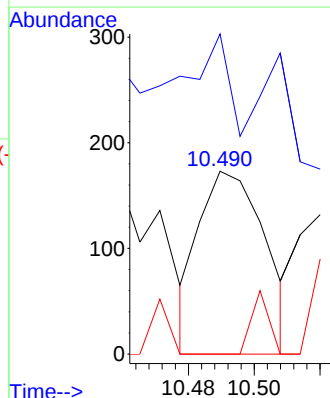
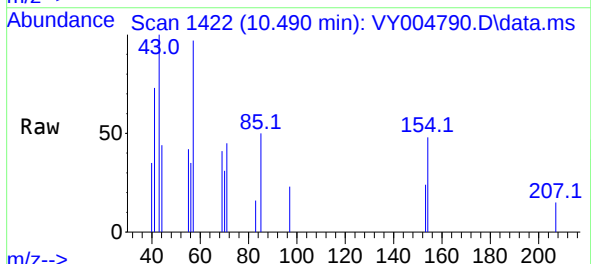
Instrument :
MSVOA_Y
ClientSampleId :
41789

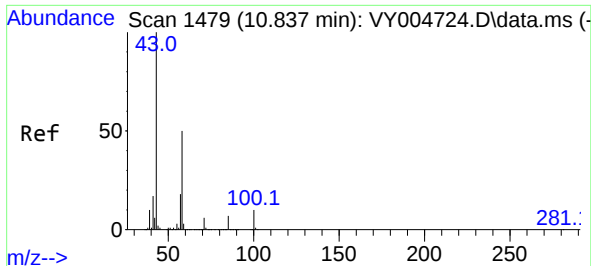
Tgt Ion:	97	Resp:	72
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.9	107.9#
85	45.1	45.8	68.6#
99	0.0	51.1	76.7#



#56
Ethyl methacrylate
Concen: 5.48 ug/l
RT: 10.490 min Scan# 1422
Delta R.T. -0.024 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:	69	Resp:	240
Ion	Ratio	Lower	Upper
69	100		
41	0.0	60.2	90.4#
39	9.2	33.5	50.3#

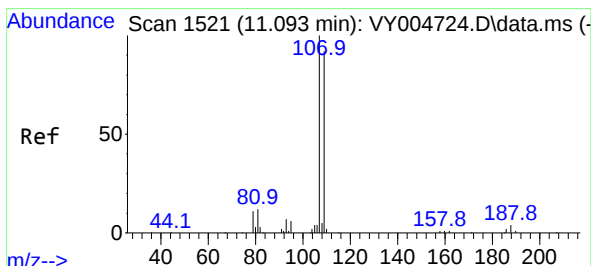
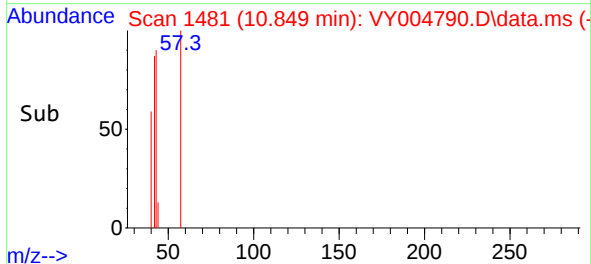
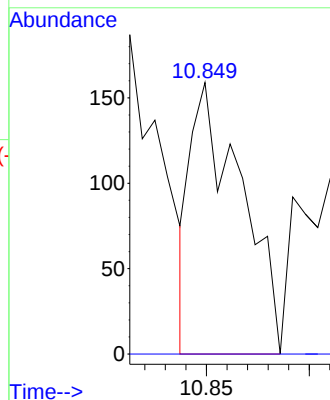
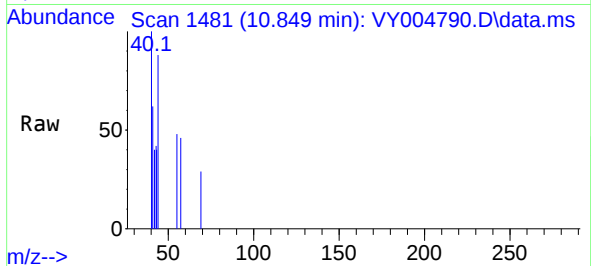




#59
2-Hexanone
Concen: 10.97 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.012 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

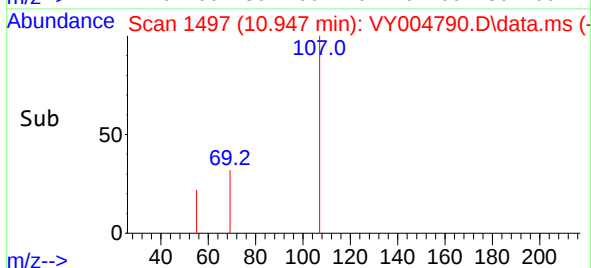
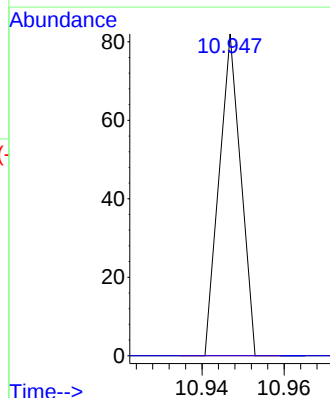
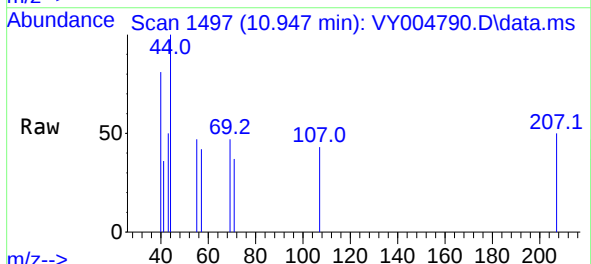
Instrument :
MSVOA_Y
ClientSampled :
41789

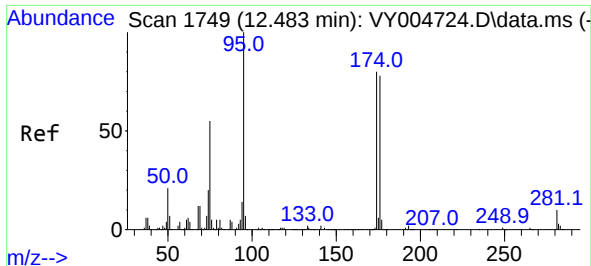
Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.8#



#61
1,2-Dibromoethane
Concen: 1.03 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. -0.146 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:107 Resp: 30
Ion Ratio Lower Upper
107 100
109 0.0 73.8 110.6#

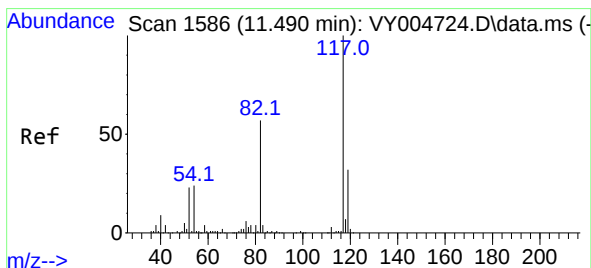
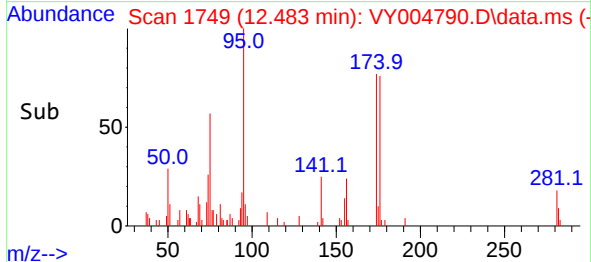
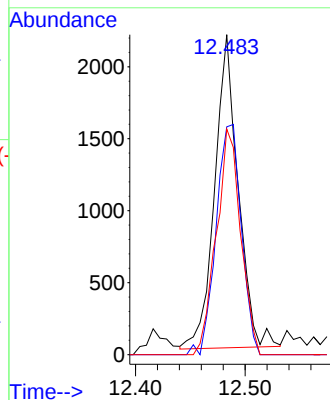
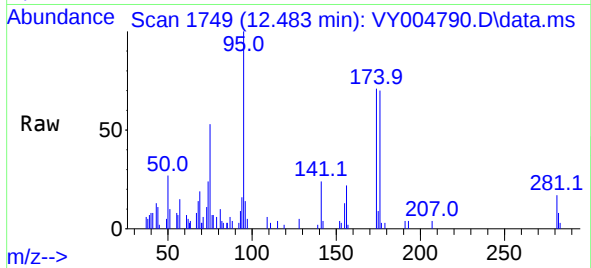




#62
4-Bromofluorobenzene
Concen: 74.39 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

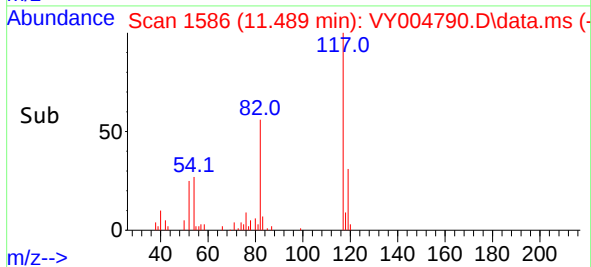
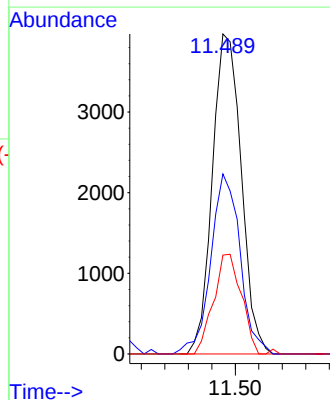
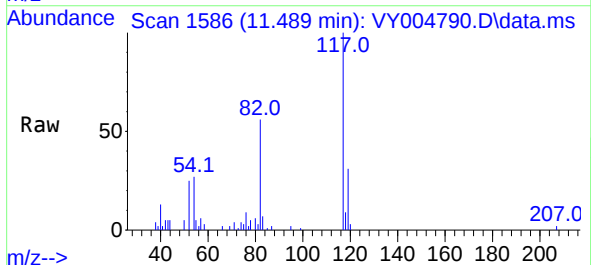
Instrument :
MSVOA_Y
ClientSampleId :
41789

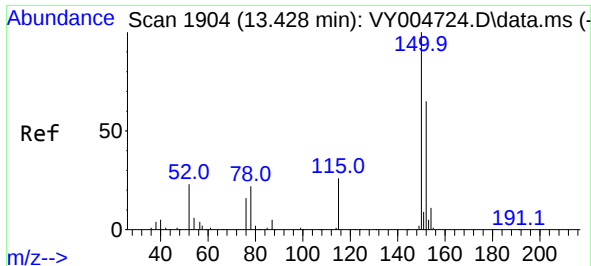
Tgt Ion:	95	Resp:	3240
Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	164.2
176	74.6	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:	117	Resp:	6766
Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.2
119	30.9	25.8	38.6

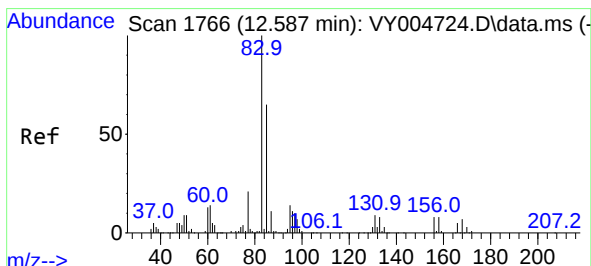
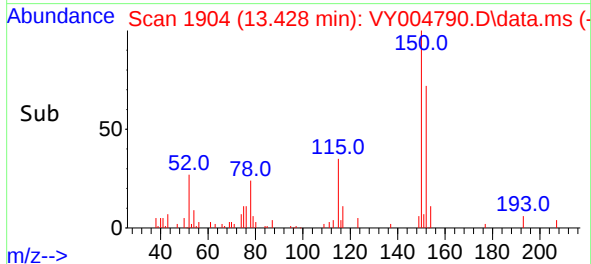
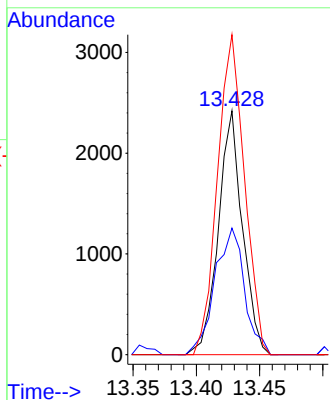
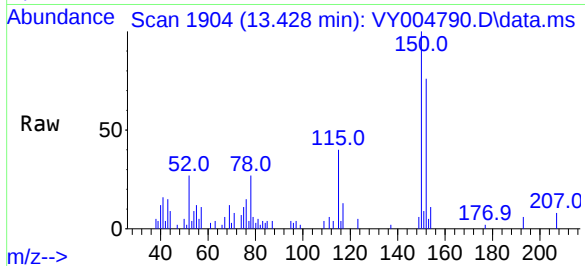




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

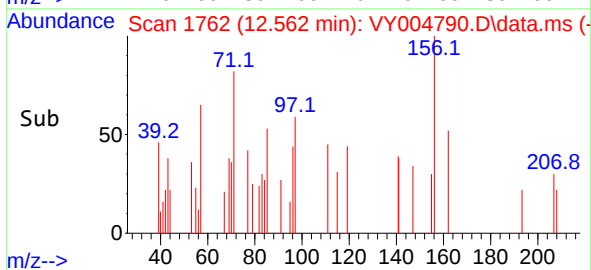
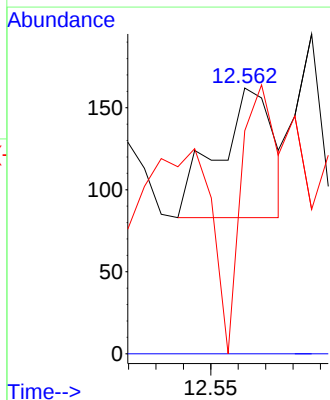
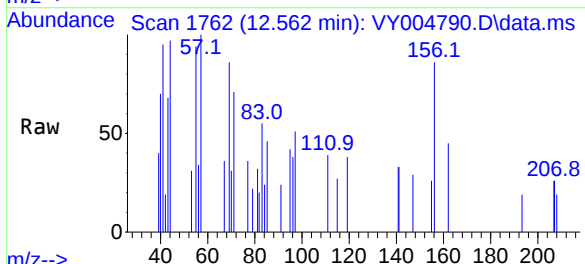
Instrument :
MSVOA_Y
ClientSampleId :
41789

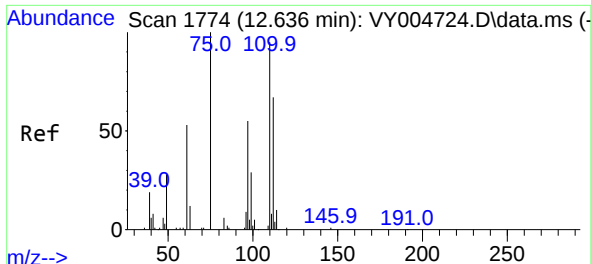
Tgt Ion:	152	Resp:	3216
Ion	Ratio	Lower	Upper
152	100		
115	63.8	29.4	88.3
150	146.9	0.0	349.8



#75
1,1,2,2-Tetrachloroethane
Concen: 2.29 ug/l
RT: 12.562 min Scan# 1762
Delta R.T. -0.024 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:	83	Resp:	111
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	273.9	32.1	96.5#

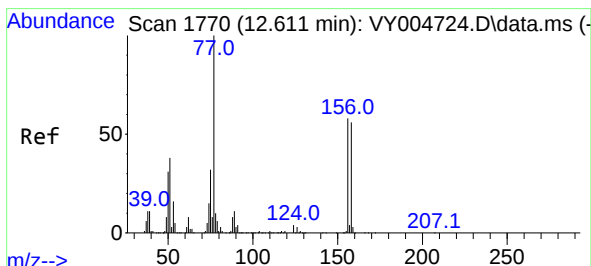
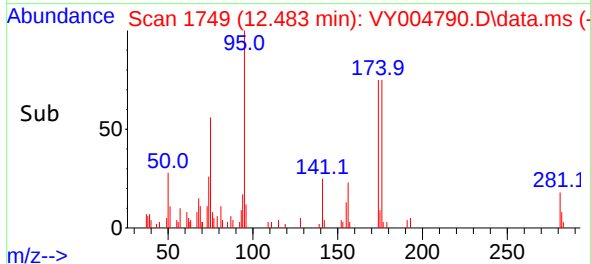
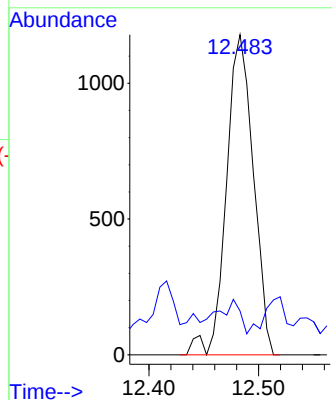
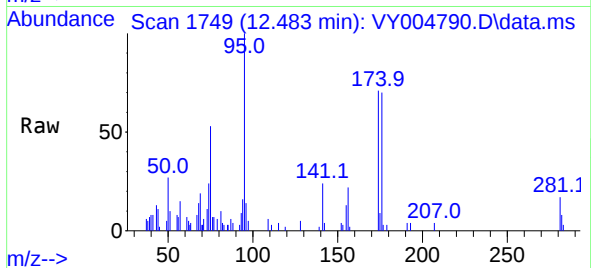




#76
1,2,3-Trichloropropane
Concen: 58.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

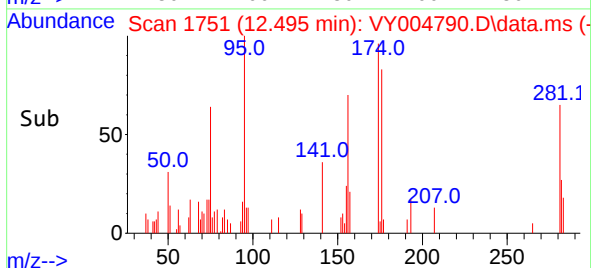
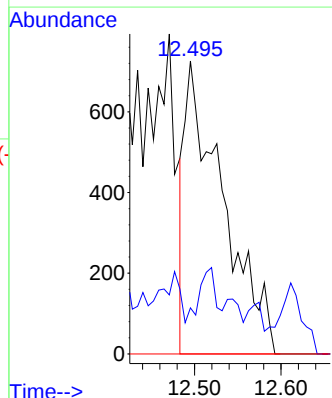
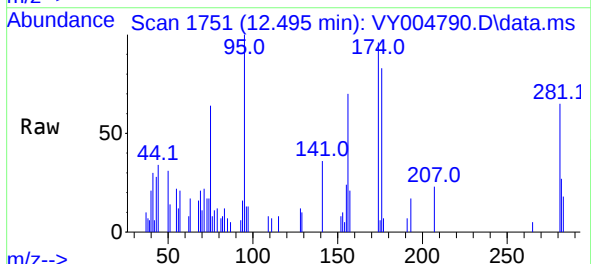
Instrument :
MSVOA_Y
ClientSampled :
41789

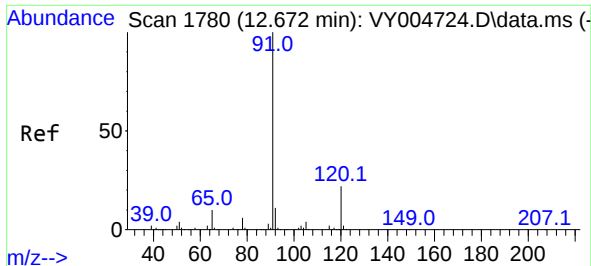
Tgt Ion: 75 Resp: 2012
Ion Ratio Lower Upper
75 100
77 16.5 0.0 0.0#



#77
Bromobenzene
Concen: 40.47 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.116 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 156 Resp: 2217
Ion Ratio Lower Upper
156 100
77 15.0 100.6 301.9#
158 0.0 48.8 146.3#

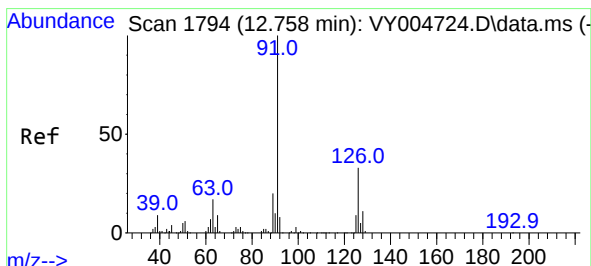
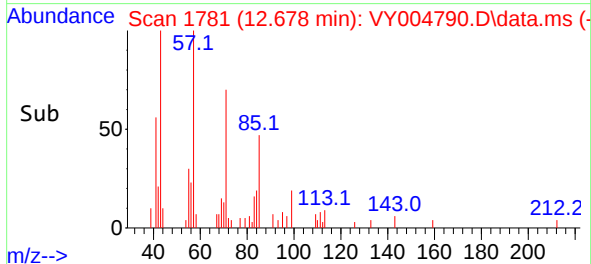
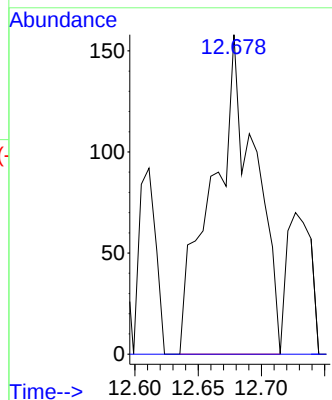
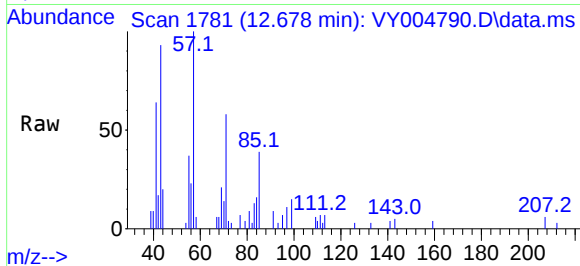




#78
n-propylbenzene
Concen: 1.26 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

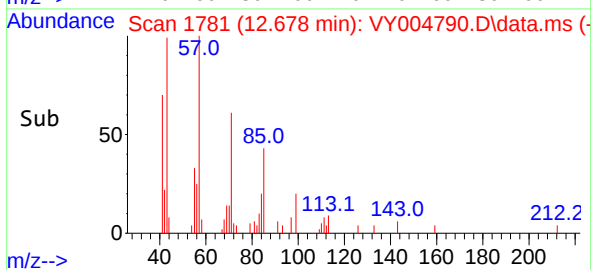
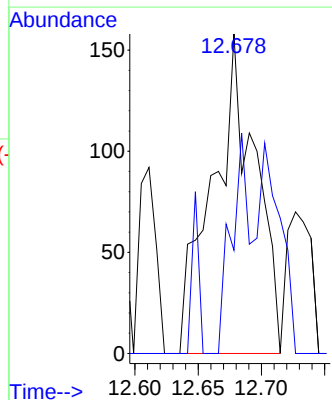
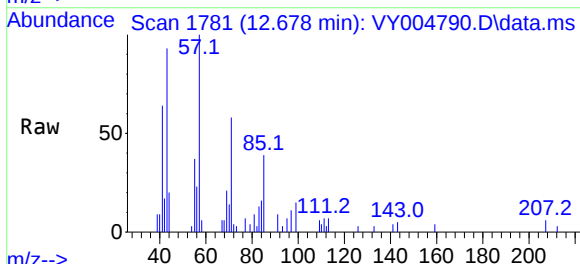
Instrument :
MSVOA_Y
ClientSampleId :
41789

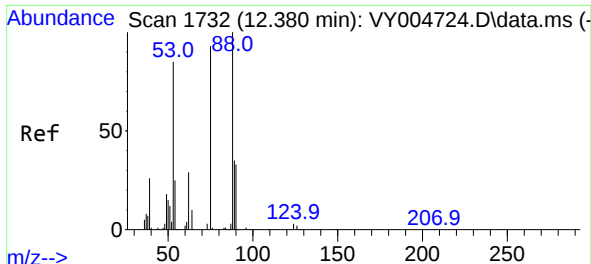
Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
120 0.0 11.1 33.3#



#79
2-Chlorotoluene
Concen: 2.29 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.079 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
126 27.4 16.8 50.3

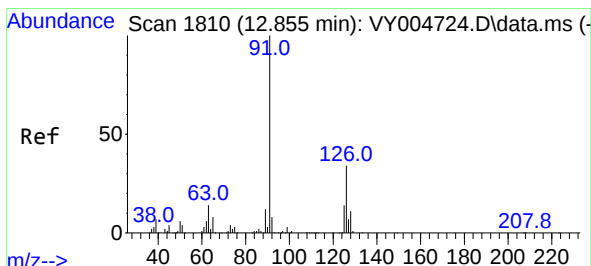
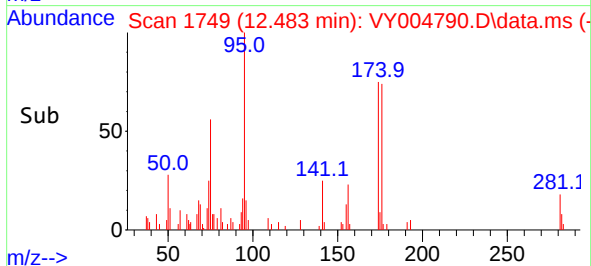
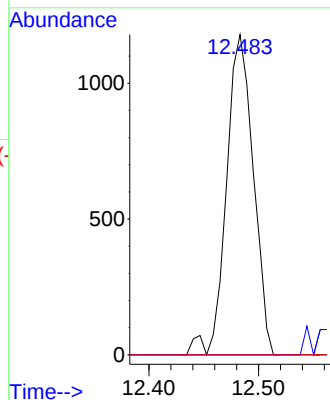
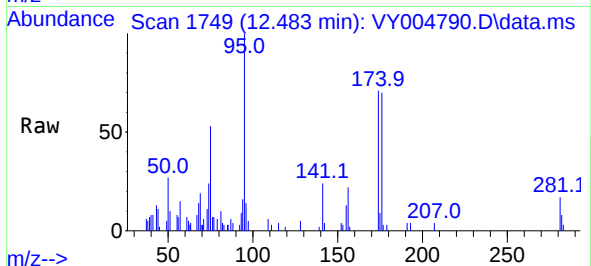




#81
trans-1,4-Dichloro-2-butene
Concen: 102.13 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

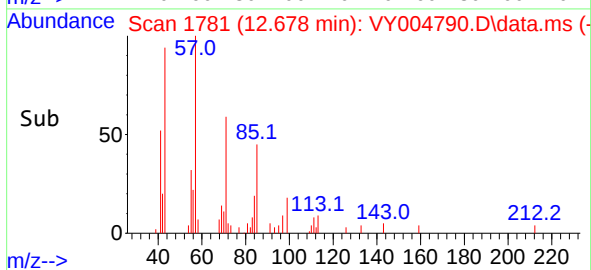
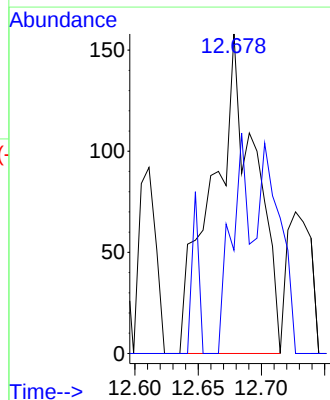
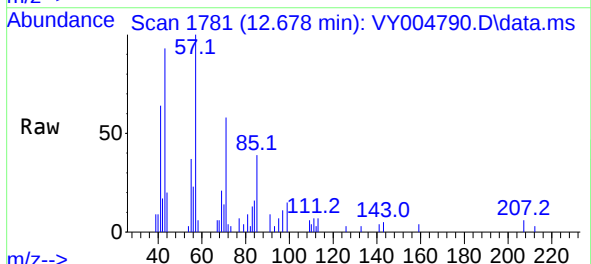
Instrument :
MSVOA_Y
ClientSampled :
41789

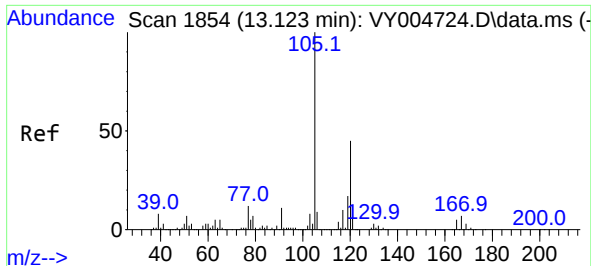
Tgt Ion: 75 Resp: 2012
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 2.20 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. -0.177 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 91 Resp: 372
Ion Ratio Lower Upper
91 100
126 27.4 16.8 50.3

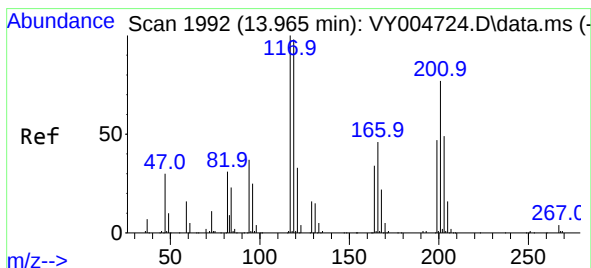
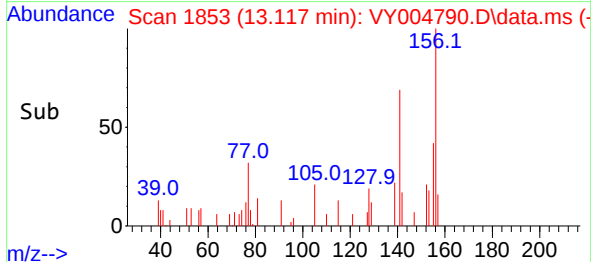
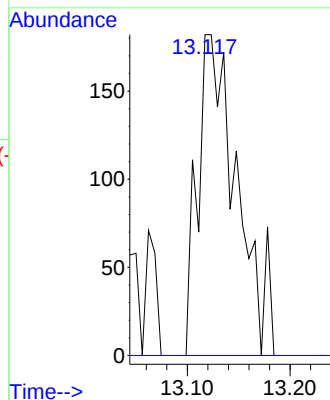
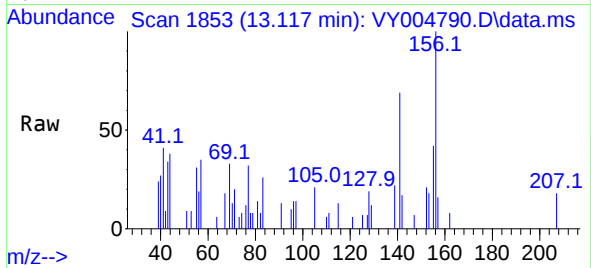




#84
1,2,4-Trimethylbenzene
Concen: 2.40 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

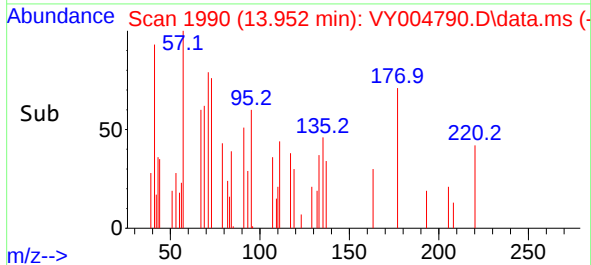
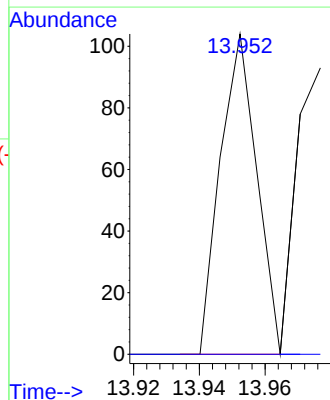
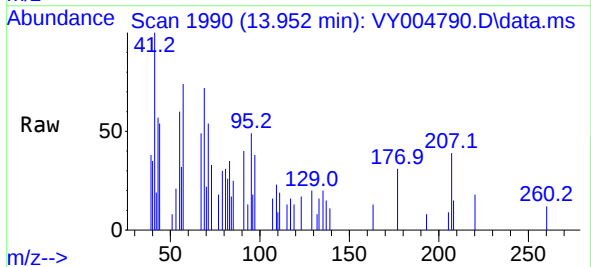
Instrument :
MSVOA_Y
ClientSampled :
41789

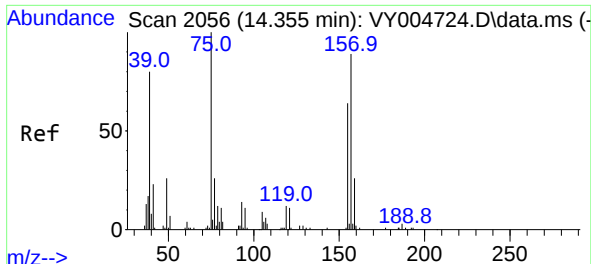
Tgt Ion:105 Resp: 484
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#90
Hexachloroethane
Concen: 2.62 ug/l
RT: 13.952 min Scan# 1990
Delta R.T. -0.012 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion:117 Resp: 80
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#

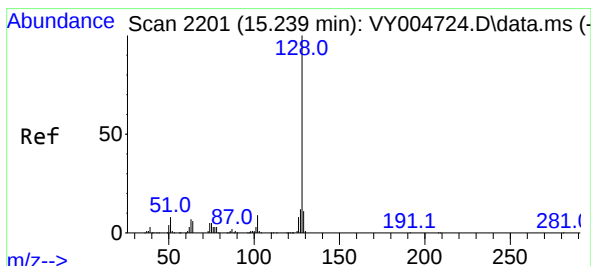
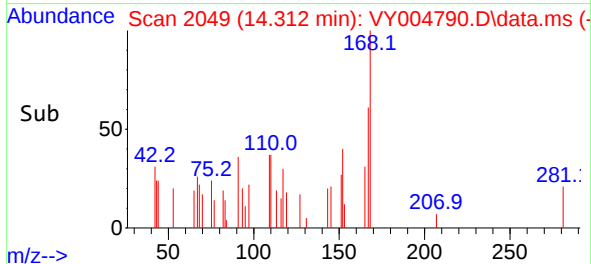
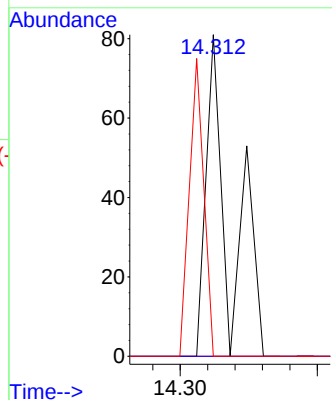
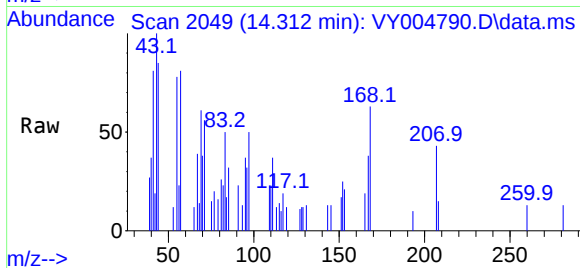




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.42 ug/l
RT: 14.312 min Scan# 2049
Delta R.T. -0.043 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Instrument :
MSVOA_Y
ClientSampleId :
41789

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 55.1 50.2 150.7



#95
Naphthalene
Concen: 5.83 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004790.D
Acq: 14 May 2021 18:04

Tgt Ion: 128 Resp: 770
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.2
129 6.4 8.6 13.0#

