

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004780.D
 Acq On : 14 May 2021 14:12
 Operator : SY/MD
 Sample : M2392-01
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 15 03:57:59 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)

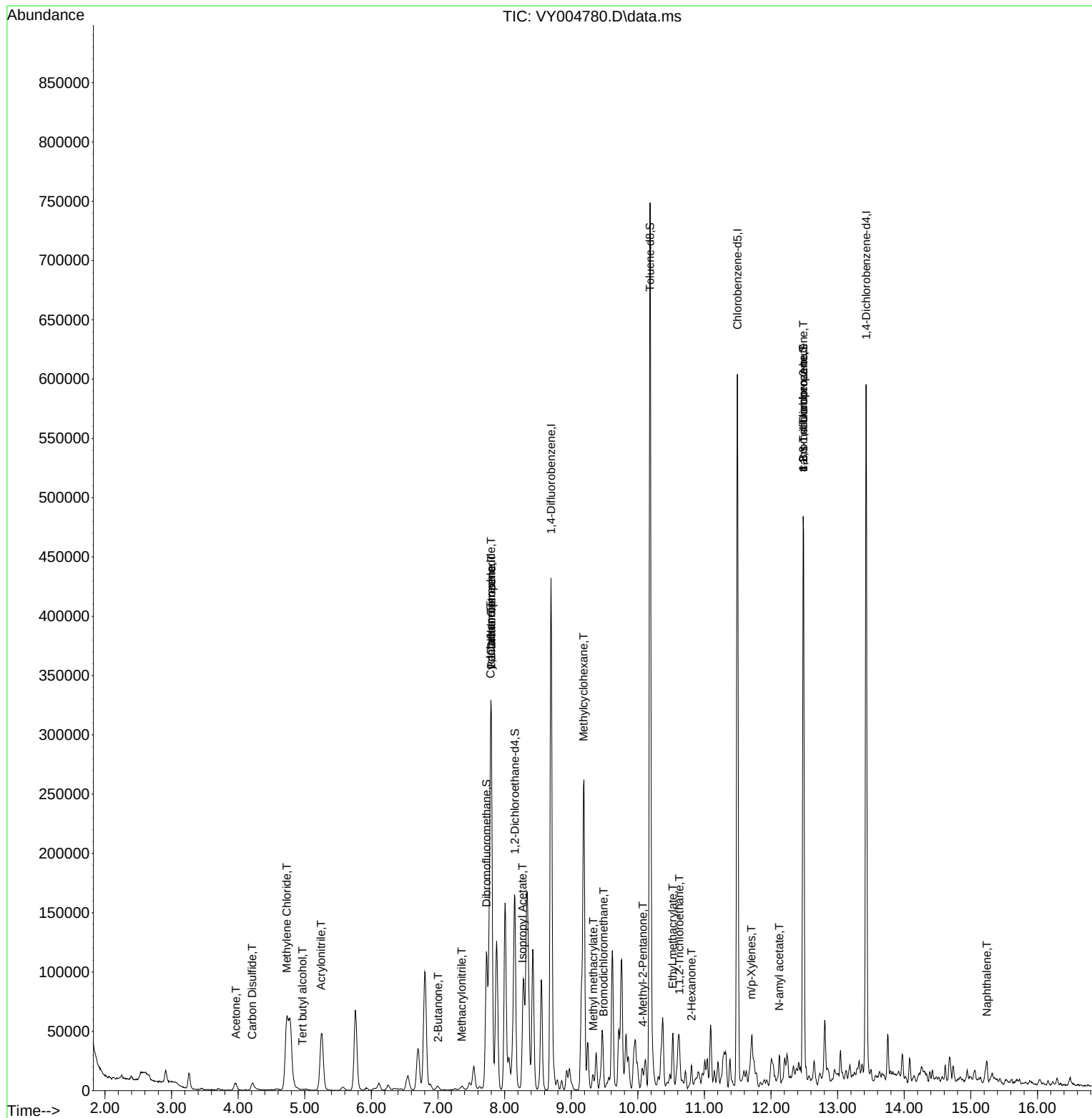
Internal Standards						
1) Pentafluorobenzene	7.801	168	176304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	319300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	303034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136408	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	119111	56.76	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.52%			
35) Dibromofluoromethane	7.728	113	76620	43.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.66%			
50) Toluene-d8	10.185	98	405809	51.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.78%			
62) 4-Bromofluorobenzene	12.483	95	138694	52.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.08%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1048	4.97	ug/l #	71
15) Acrylonitrile	5.247	53	2020	3.59	ug/l #	52
16) Acetone	3.966	43	8946	18.98	ug/l	96
17) Carbon Disulfide	4.210	76	6586	1.24	ug/l	97
20) Methylene Chloride	4.729	84	35168	9.12	ug/l	93
25) 2-Butanone	7.003	43	3124	3.73	ug/l #	79
31) Cyclohexane	7.789	56	61362	18.06	ug/l	91
36) 1,1-Dichloropropene	7.801	75	15033	4.59	ug/l #	57
38) Carbon Tetrachloride	7.795	117	17903	6.09	ug/l #	16
39) Methylcyclohexane	9.185	83	101694	28.50	ug/l	99
41) Methacrylonitrile	7.356	41	1516	1.24	ug/l #	100
43) Isopropyl Acetate	8.271	43	19649	4.72	ug/l #	56
47) Bromodichloromethane	9.484	83	3318	1.04	ug/l #	25
48) Methyl methacrylate	9.331	41	2758	1.46	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	2383	1.06	ug/l	91
55) 1,1,2-Trichloroethane	10.624	97	11344	6.12	ug/l #	19
56) Ethyl methacrylate	10.526	69	4497	1.68	ug/l #	14
59) 2-Hexanone	10.807	43	8343	5.50	ug/l #	31
68) m/p-Xylenes	11.703	106	6632	1.52	ug/l	100
74) N-amyl acetate	12.124	43	6058	1.66	ug/l #	66
76) 1,2,3-Trichloropropane	12.483	75	76737	52.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76737	91.84	ug/l #	13
95) Naphthalene	15.239	128	13817	2.47	ug/l	99

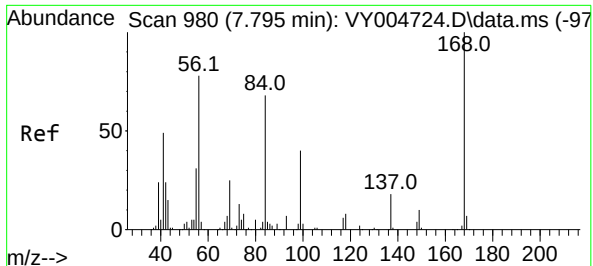
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:57:59 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

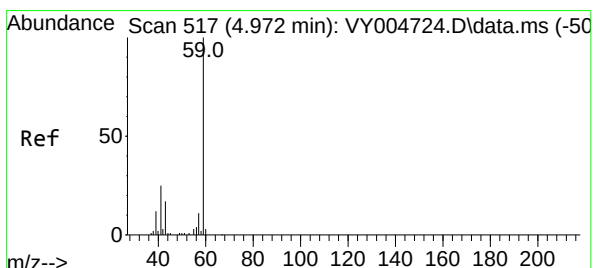
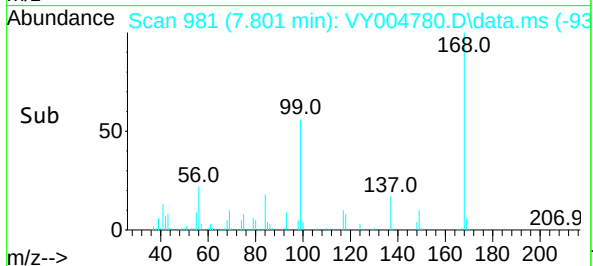
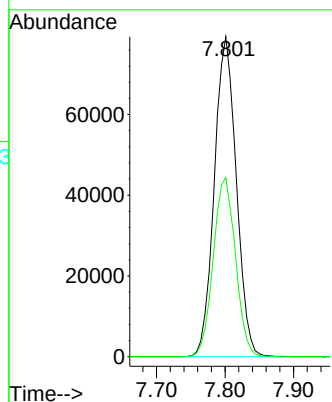
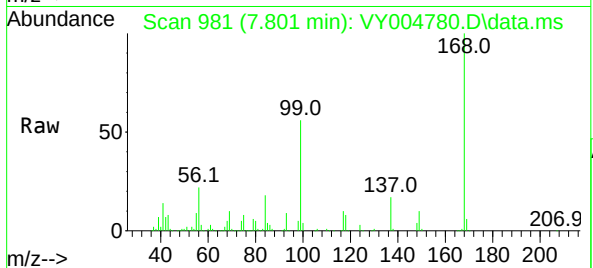




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

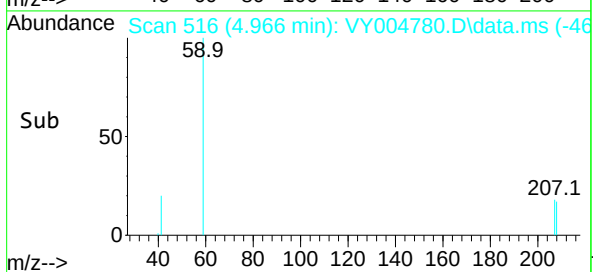
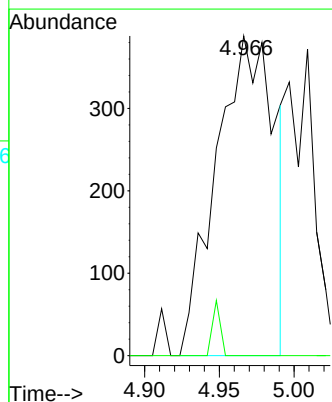
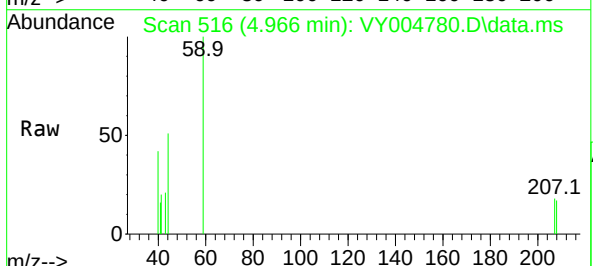
Instrument :
MSVOA_Y
ClientSampleId :

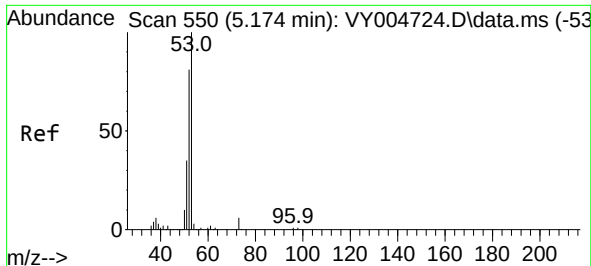
Tgt Ion:168 Resp: 176304
Ion Ratio Lower Upper
168 100
99 56.0 45.6 68.4



#11
Tert butyl alcohol
Concen: 4.97 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion: 59 Resp: 1048
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

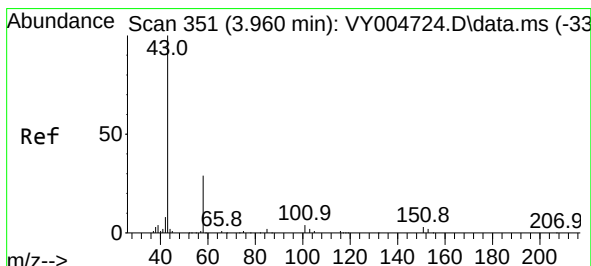
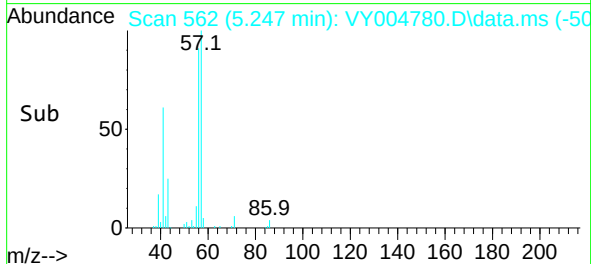
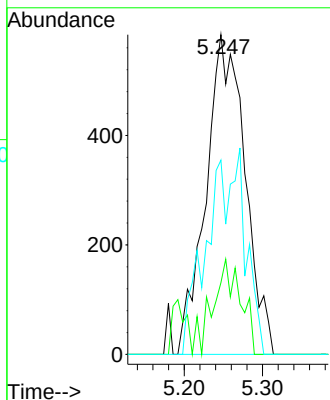
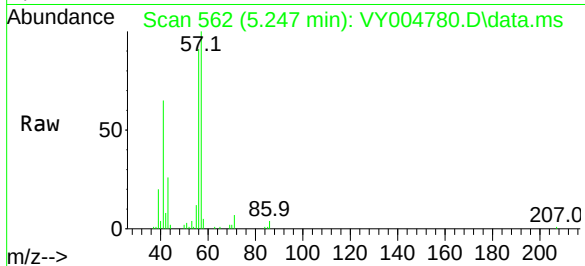




#15
Acrylonitrile
Concen: 3.59 ug/l
RT: 5.247 min Scan# 562
Delta R.T. 0.073 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

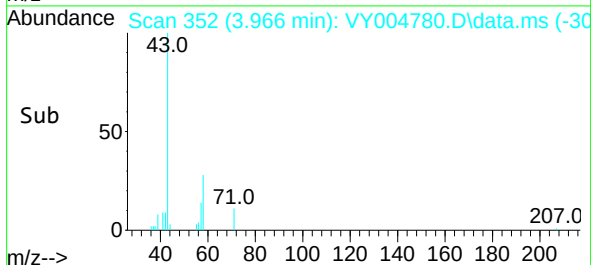
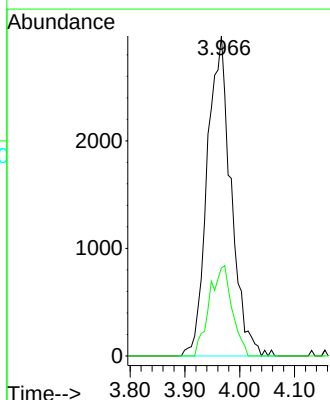
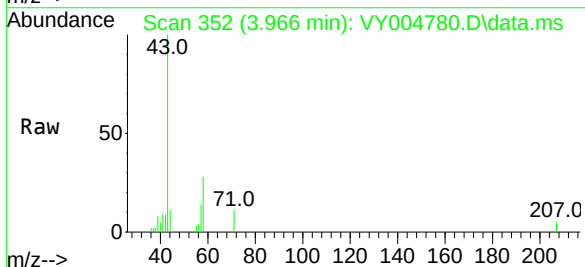
Instrument :
MSVOA_Y
ClientSampled :

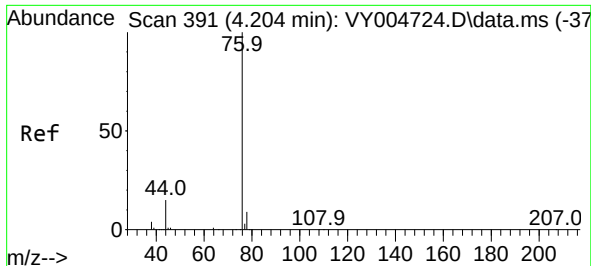
Tgt Ion: 53 Resp: 2020
Ion Ratio Lower Upper
53 100
52 21.3 65.0 97.6#
51 34.1 29.3 43.9



#16
Acetone
Concen: 18.98 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion: 43 Resp: 8946
Ion Ratio Lower Upper
43 100
58 27.5 23.6 35.4

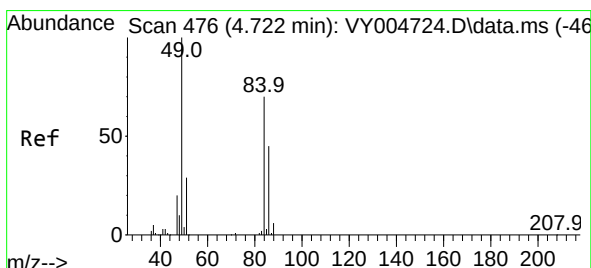
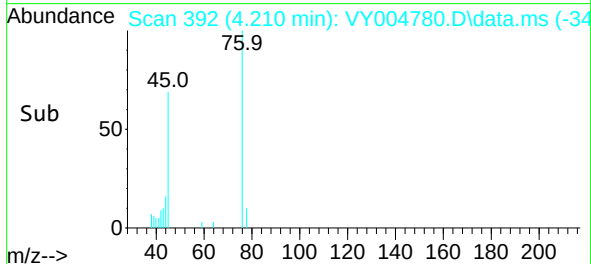
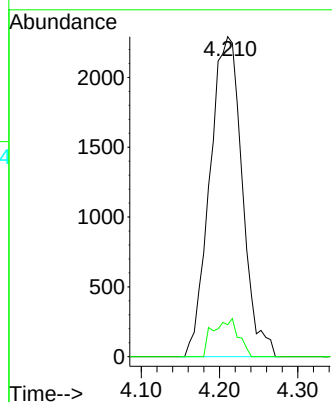
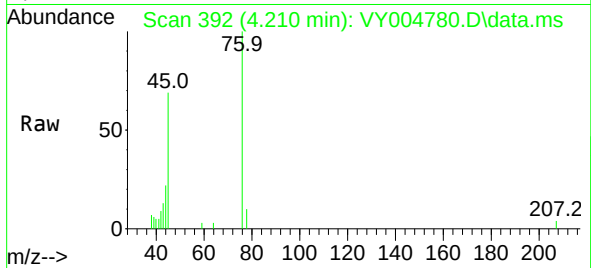




#17
Carbon Disulfide
Concen: 1.24 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

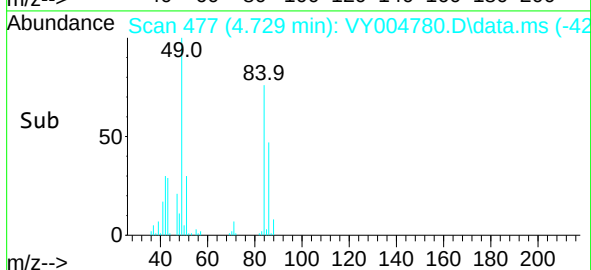
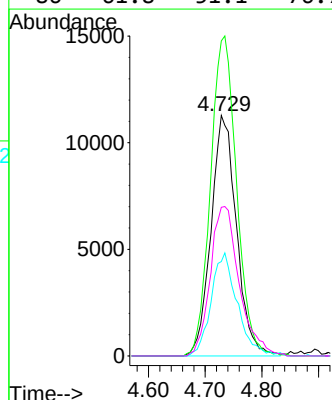
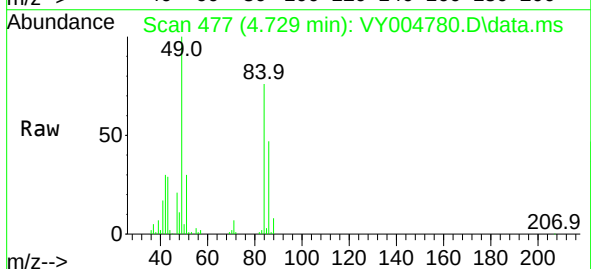
Instrument :
MSVOA_Y
ClientSampled :

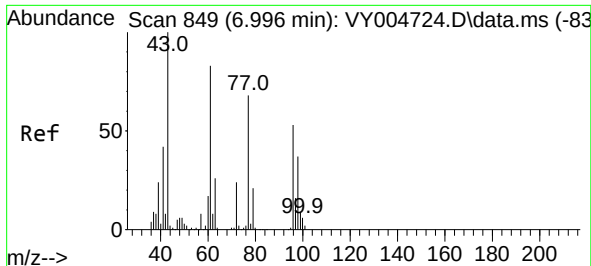
Tgt Ion: 76 Resp: 6586
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#20
Methylene Chloride
Concen: 9.12 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

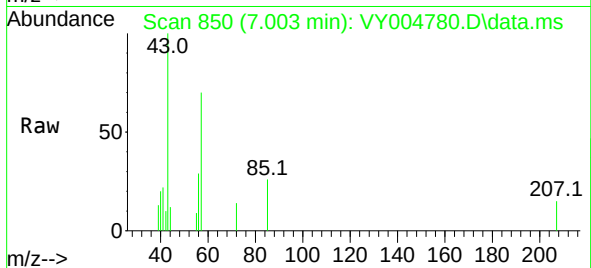
Tgt Ion: 84 Resp: 35168
Ion Ratio Lower Upper
84 100
49 131.0 113.8 170.8
51 39.2 33.5 50.3
86 61.8 51.1 76.7



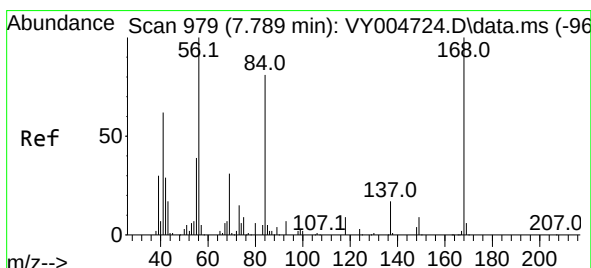
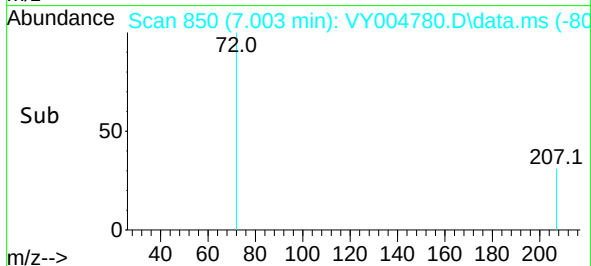
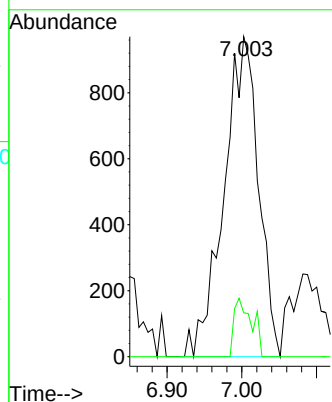


#25
2-Butanone
Concen: 3.73 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Instrument :
MSVOA_Y
ClientSampled :

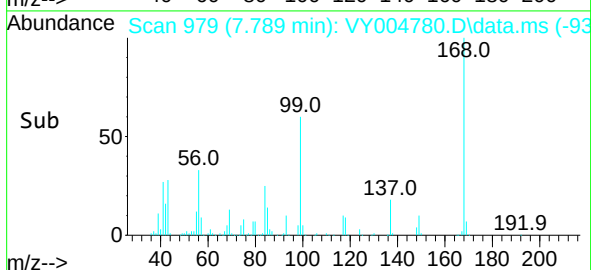
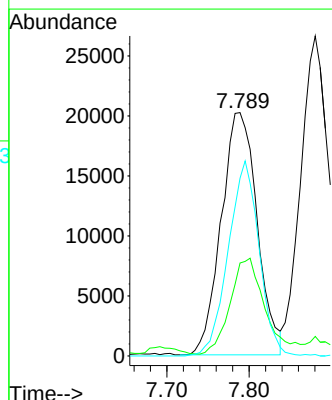
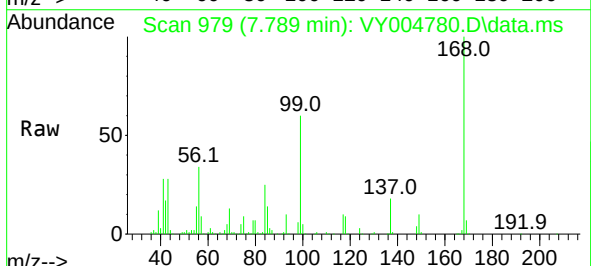


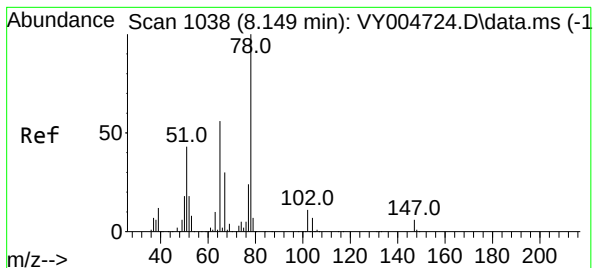
Tgt Ion: 43 Resp: 3124
Ion Ratio Lower Upper
43 100
72 13.7 19.4 29.0#



#31
Cyclohexane
Concen: 18.06 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion: 56 Resp: 61362
Ion Ratio Lower Upper
56 100
69 36.3 24.4 36.6
84 73.4 64.8 97.2





#33

1,2-Dichloroethane-d4

Concen: 56.76 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY004780.D

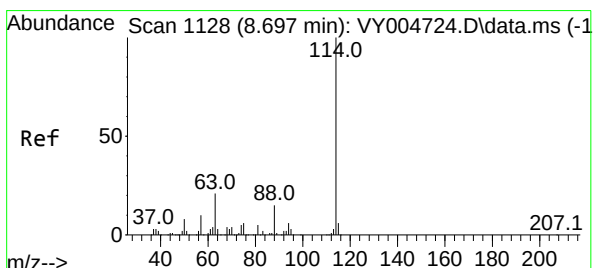
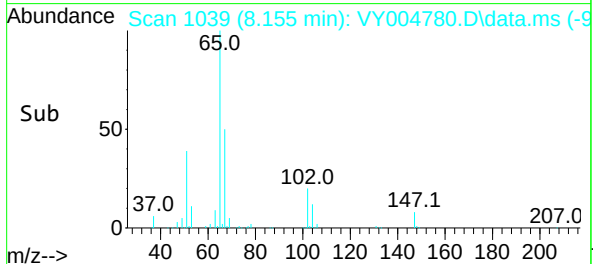
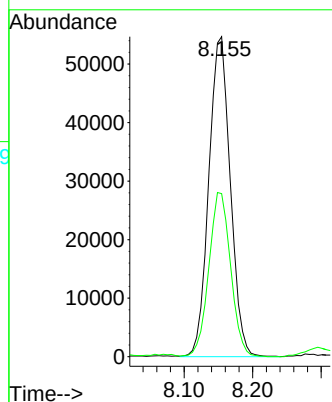
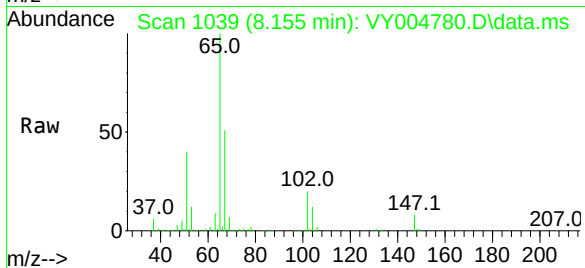
Acq: 14 May 2021 14:12

Tgt Ion: 65 Resp: 119111

Ion Ratio Lower Upper

65 100

67 52.1 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: VY004780.D

Acq: 14 May 2021 14:12

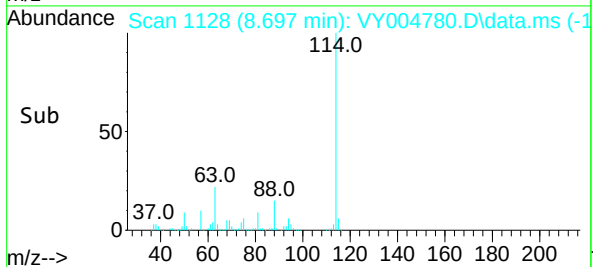
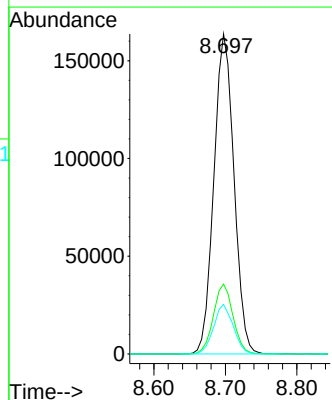
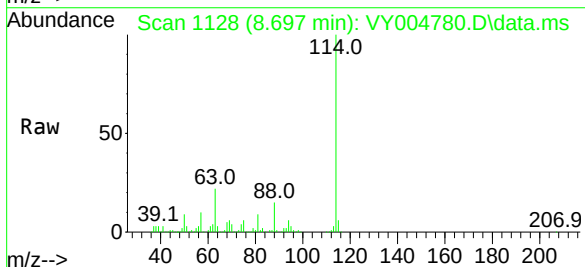
Tgt Ion: 114 Resp: 319300

Ion Ratio Lower Upper

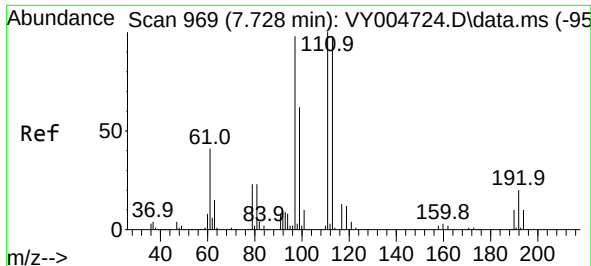
114 100

63 21.8 0.0 42.8

88 15.4 0.0 31.0



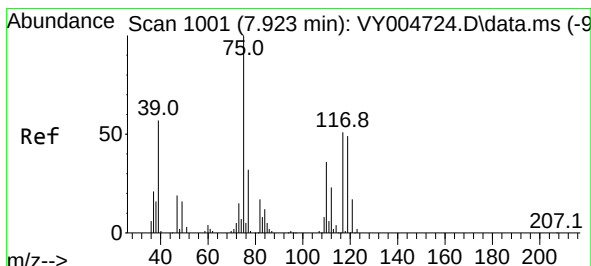
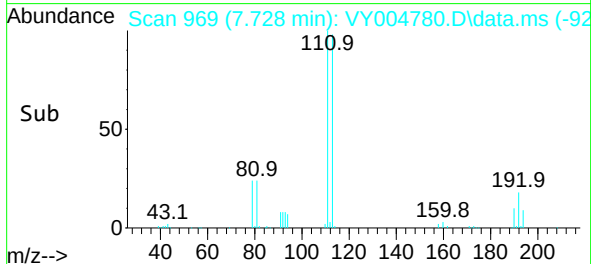
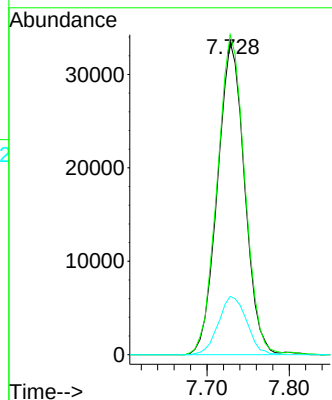
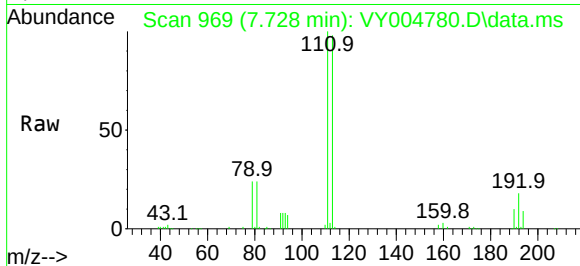
Instrument :
MSVOA_Y
ClientSampleId :



#35
Dibromofluoromethane
Concen: 43.83 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

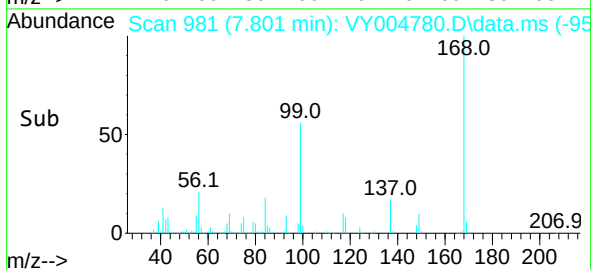
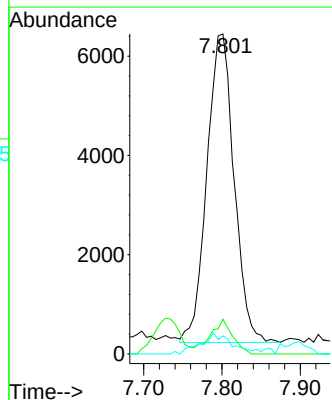
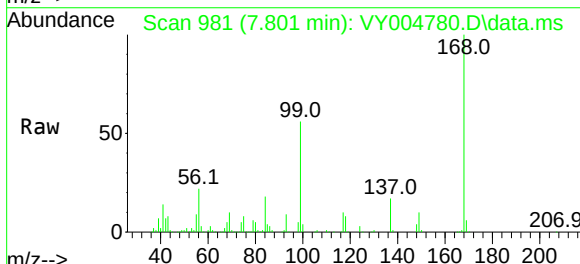
Instrument :
MSVOA_Y
ClientSampleId :

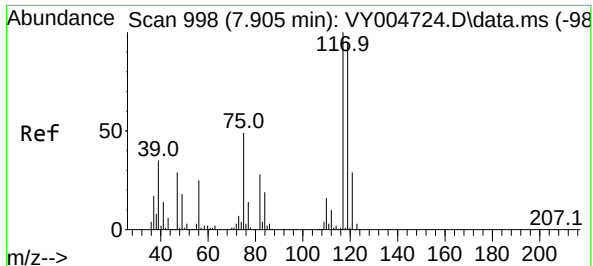
Tgt Ion:113 Resp: 76620
Ion Ratio Lower Upper
113 100
111 104.3 80.5 120.7
192 19.4 15.0 22.6



#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

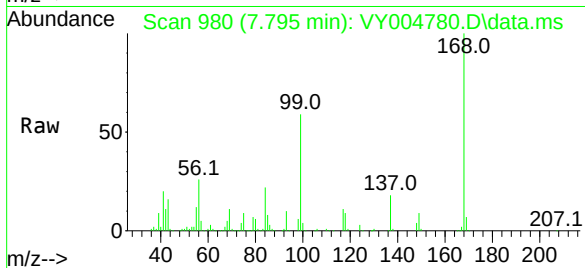
Tgt Ion: 75 Resp: 15033
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 7.5 25.0 37.4#



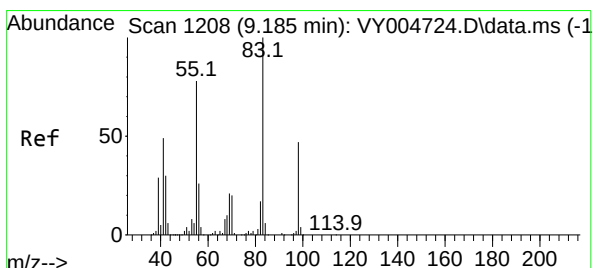
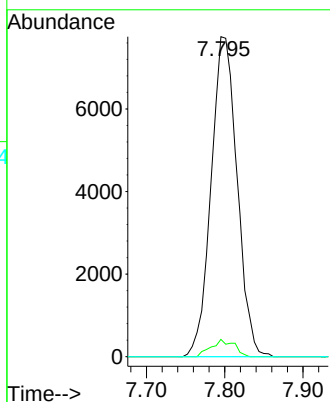
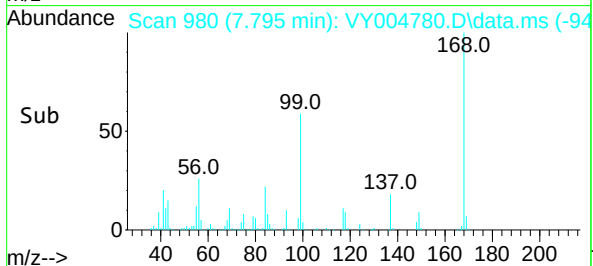


#38
Carbon Tetrachloride
Concen: 6.09 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

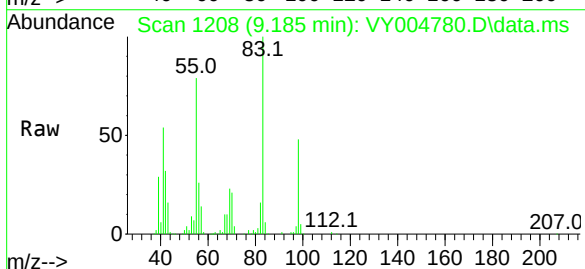
Instrument :
MSVOA_Y
ClientSampleId :



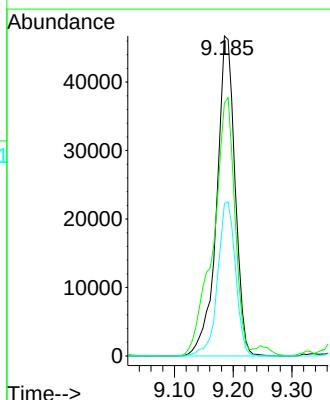
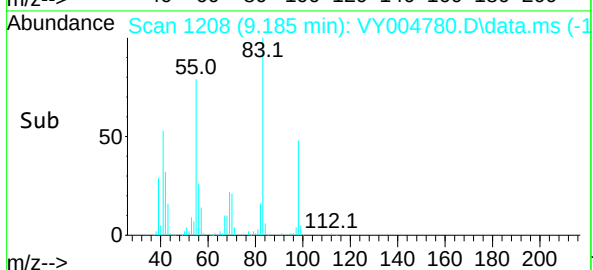
Tgt Ion: 117 Resp: 17903
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 23.0 34.6#

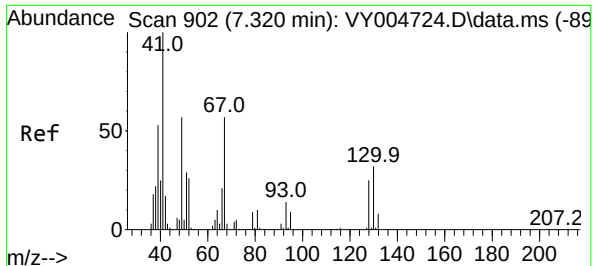


#39
Methylcyclohexane
Concen: 28.50 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12



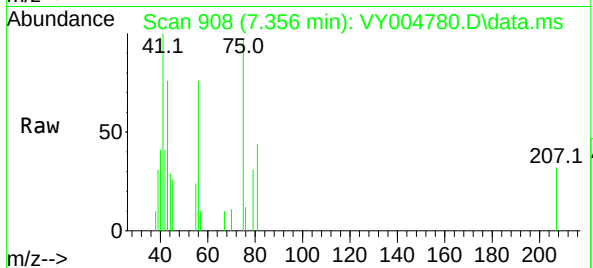
Tgt Ion: 83 Resp: 101694
Ion Ratio Lower Upper
83 100
55 79.1 62.6 94.0
98 47.6 37.8 56.6



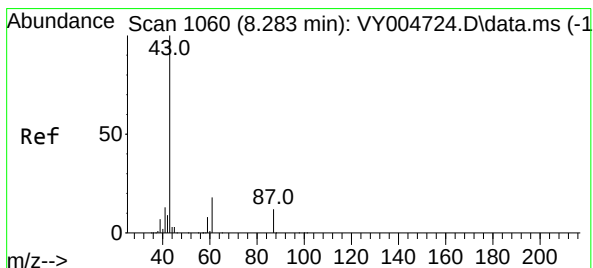
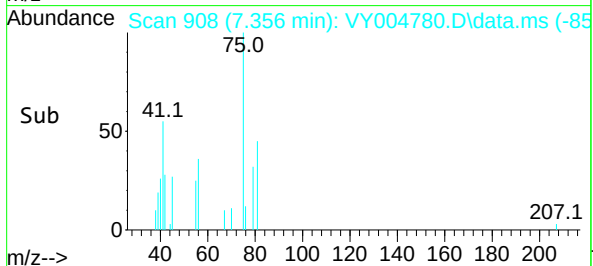
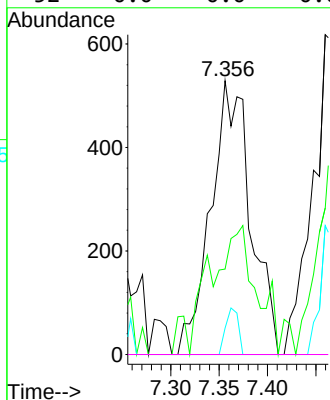


#41
Methacrylonitrile
Concen: 1.24 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.037 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

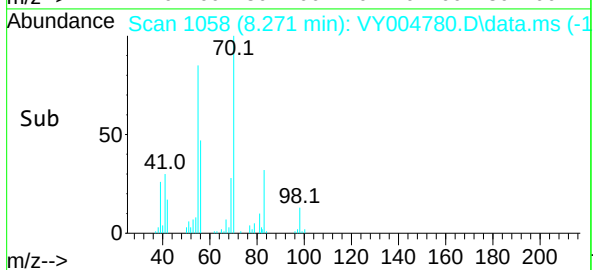
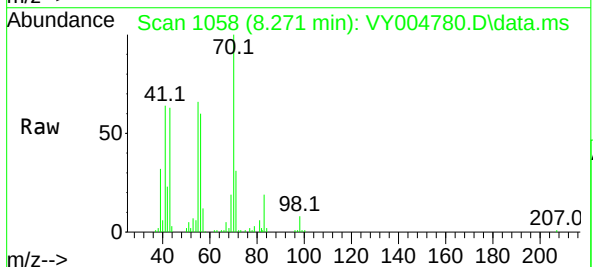
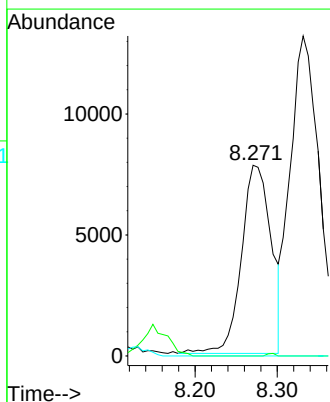


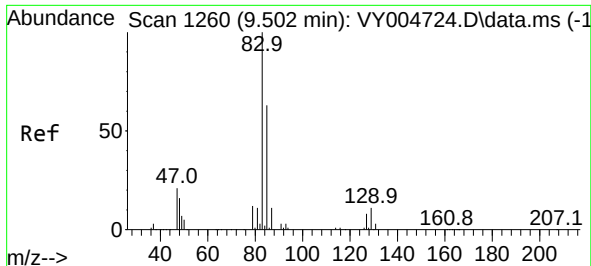
Tgt Ion:	41	Resp:	1516
Ion	Ratio	Lower	Upper
41	100		
39	38.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 4.72 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.012 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

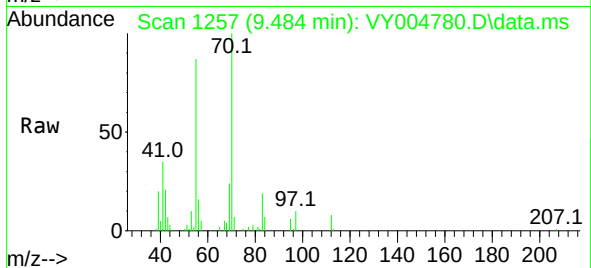
Tgt Ion:	43	Resp:	19649
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	9.2	13.8#



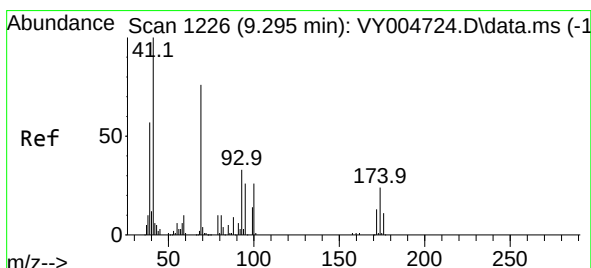
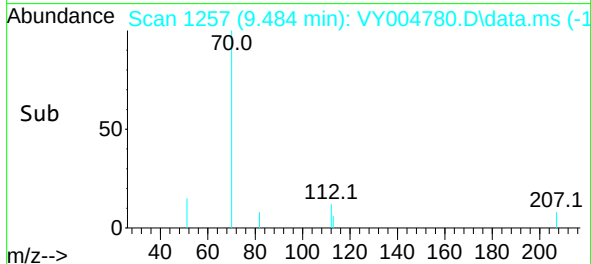
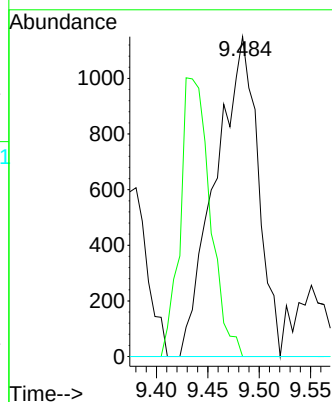


#47
Bromodichloromethane
Concen: 1.04 ug/l
RT: 9.484 min Scan# 1257
Delta R.T. -0.018 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

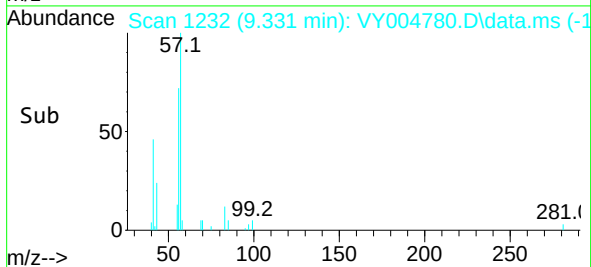
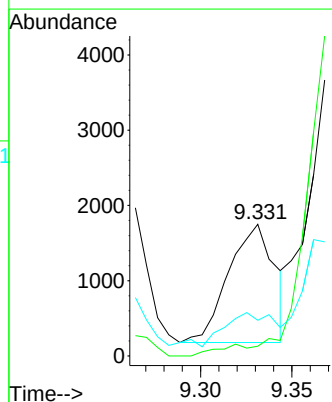
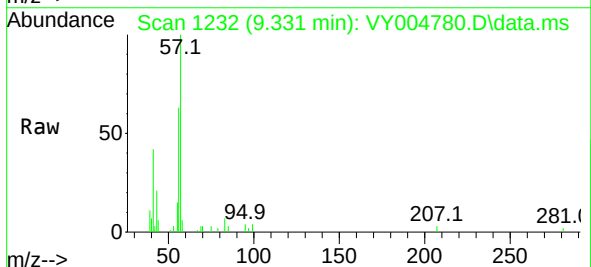


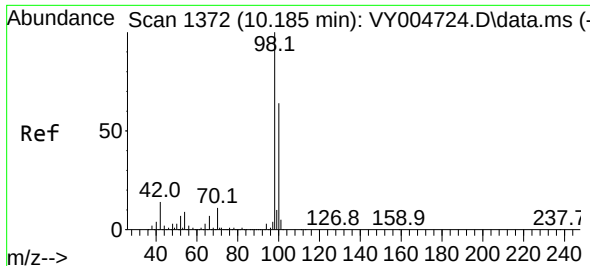
Tgt Ion: 83 Resp: 3318
Ion Ratio Lower Upper
83 100
85 0.0 50.4 75.6#
127 0.0 6.6 9.8#



#48
Methyl methacrylate
Concen: 1.46 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.037 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion: 41 Resp: 2758
Ion Ratio Lower Upper
41 100
69 0.0 62.0 93.0#
39 0.0 48.4 72.6#

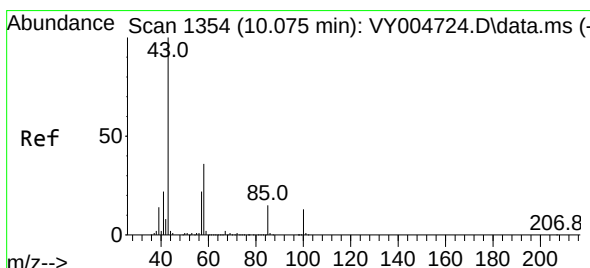
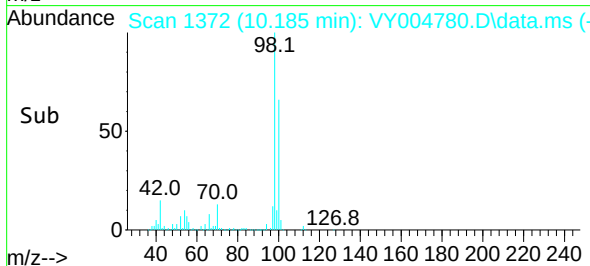
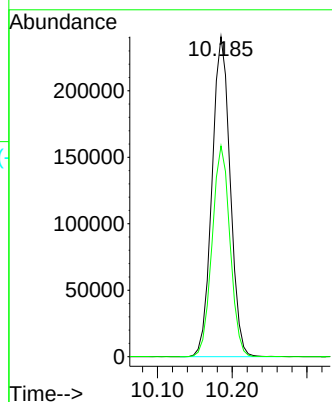
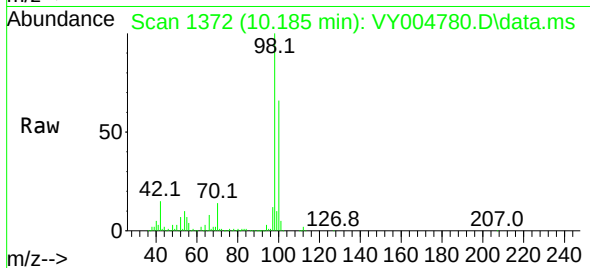




#50
Toluene-d8
Concen: 51.39 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

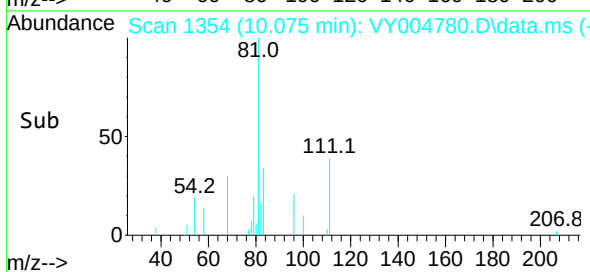
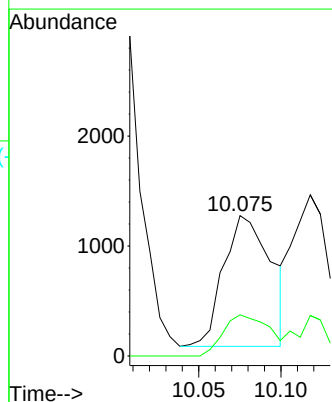
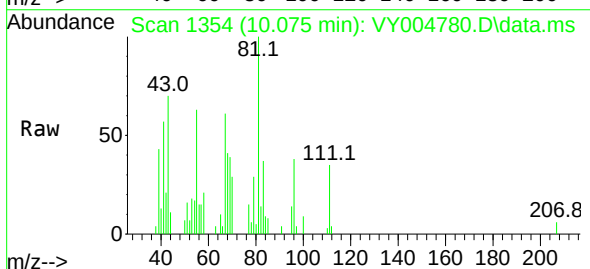
Instrument :
MSVOA_Y
ClientSampled :

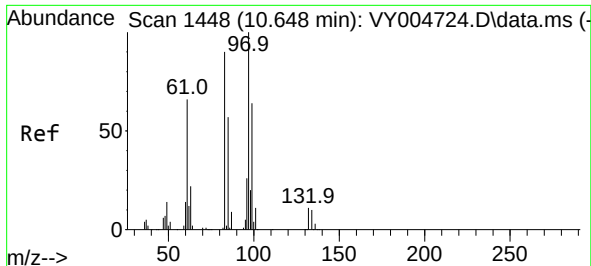
Tgt Ion: 98 Resp: 405809
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.06 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

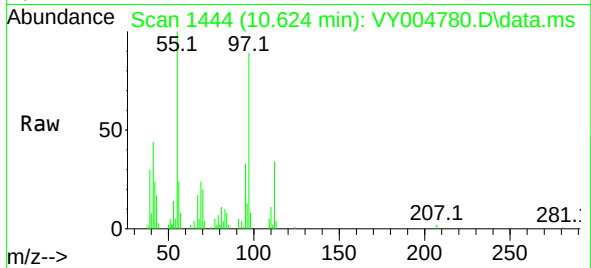
Tgt Ion: 43 Resp: 2383
Ion Ratio Lower Upper
43 100
58 30.3 28.7 43.1



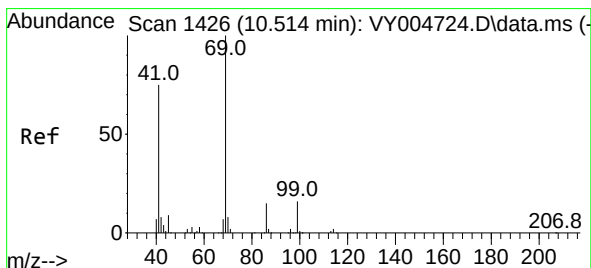
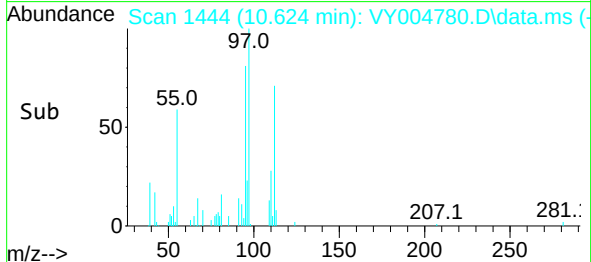
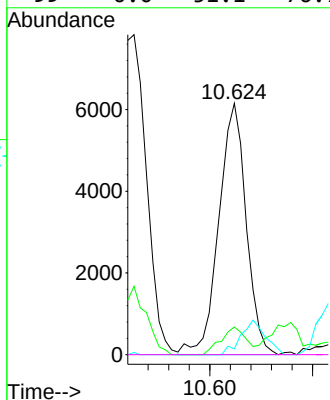


#55
1,1,2-Trichloroethane
Concen: 6.12 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Instrument :
MSVOA_Y
ClientSampleId :

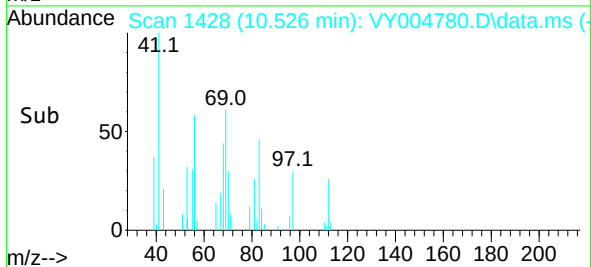
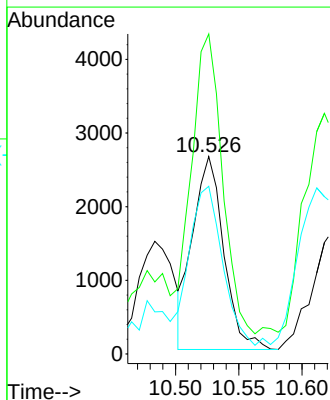
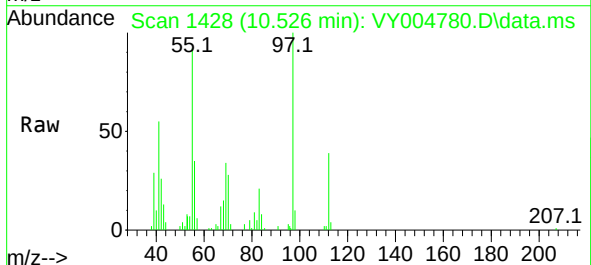


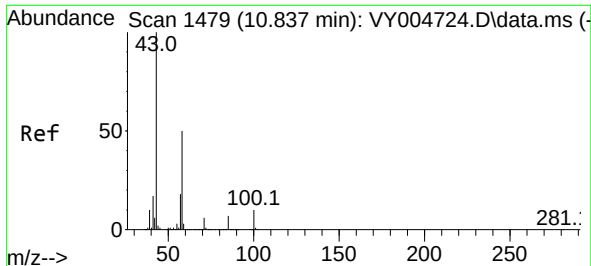
Tgt Ion:	97	Resp:	11344
Ion	Ratio	Lower	Upper
97	100		
83	11.0	71.9	107.9#
85	2.3	45.8	68.6#
99	0.0	51.1	76.7#



#56
Ethyl methacrylate
Concen: 1.68 ug/l
RT: 10.526 min Scan# 1428
Delta R.T. 0.012 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion:	69	Resp:	4497
Ion	Ratio	Lower	Upper
69	100		
41	154.4	60.2	90.4#
39	88.1	33.5	50.3#

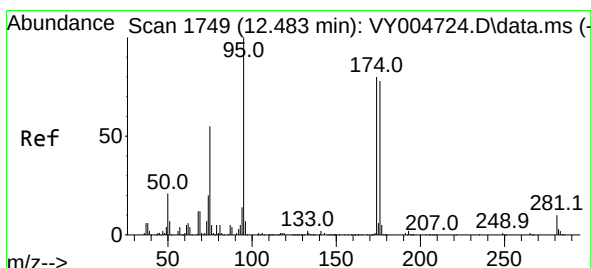
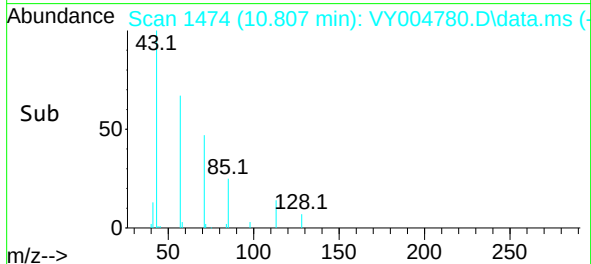
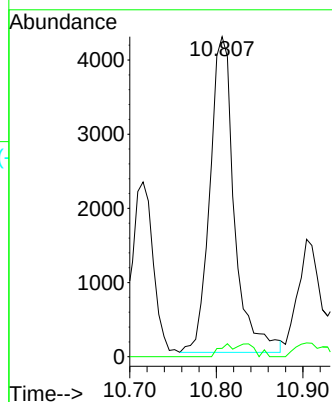
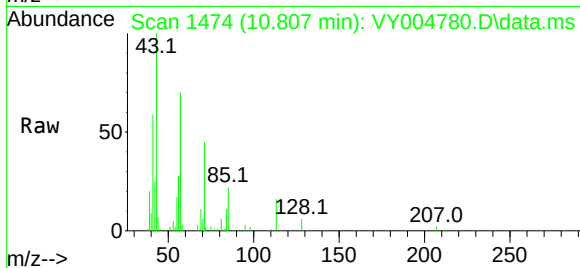




#59
2-Hexanone
Concen: 5.50 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

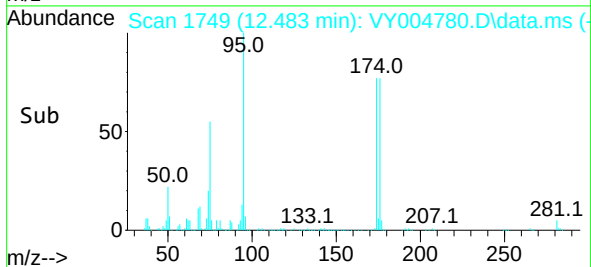
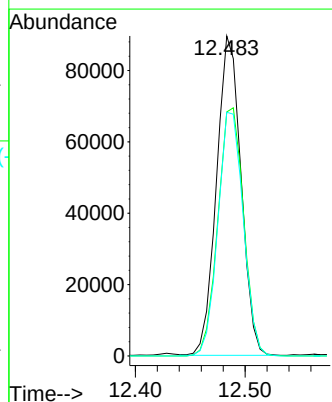
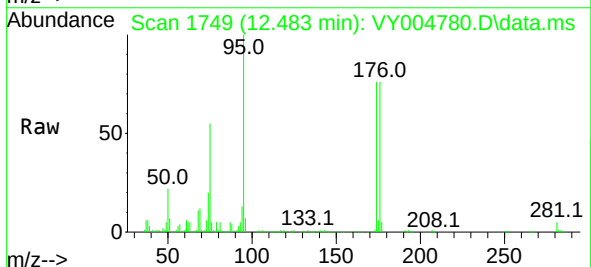
Instrument :
MSVOA_Y
ClientSampleId :

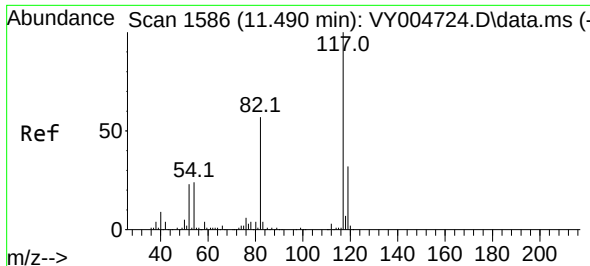
Tgt Ion: 43 Resp: 8343
Ion Ratio Lower Upper
43 100
58 2.2 24.9 74.8#



#62
4-Bromofluorobenzene
Concen: 52.04 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion: 95 Resp: 138694
Ion Ratio Lower Upper
95 100
174 81.6 0.0 164.2
176 79.1 0.0 159.0

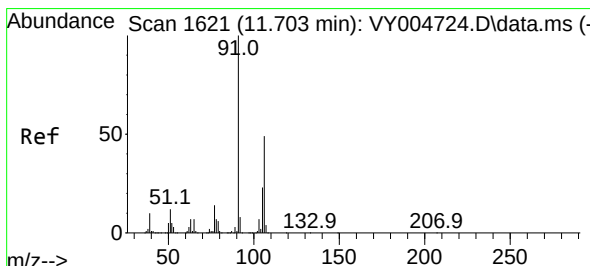
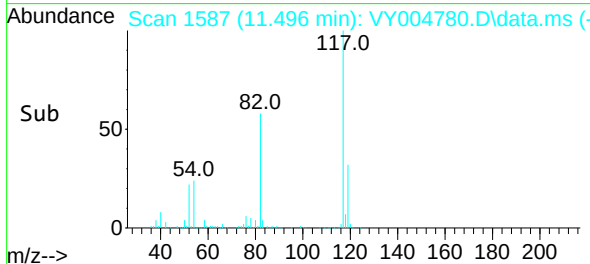
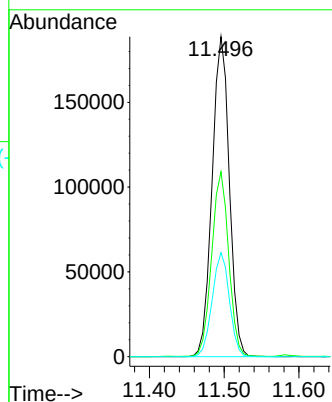
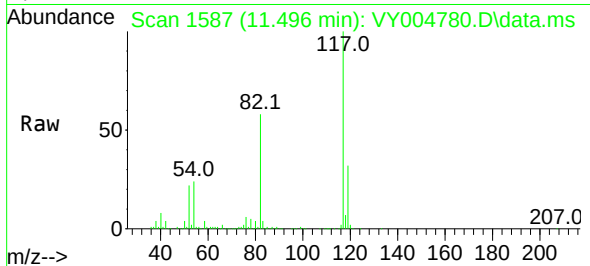




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

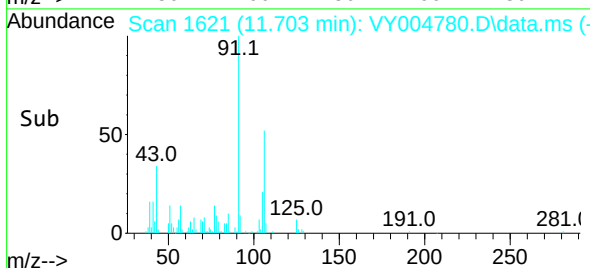
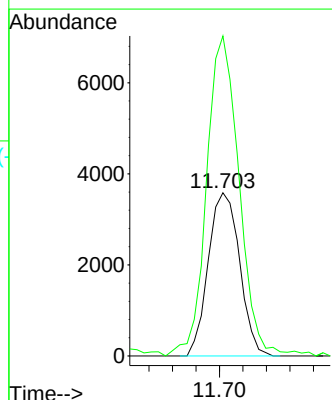
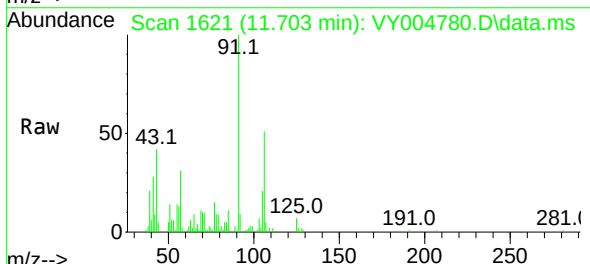
Instrument :
MSVOA_Y
ClientSampleId :

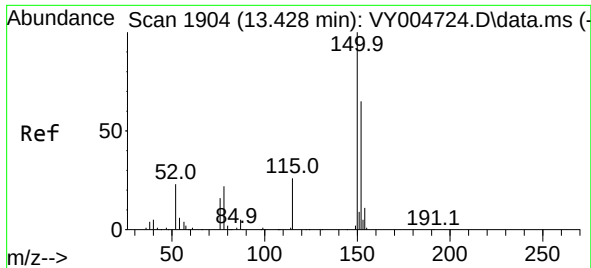
Tgt Ion:117 Resp: 303034
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.2
119 32.5 25.8 38.6



#68
m/p-Xylenes
Concen: 1.52 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

Tgt Ion:106 Resp: 6632
Ion Ratio Lower Upper
106 100
91 204.1 163.6 245.4

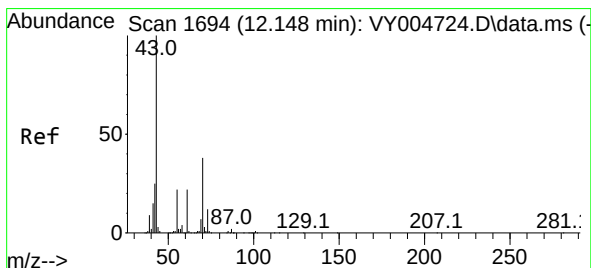
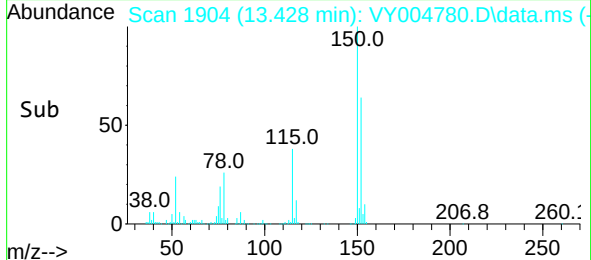
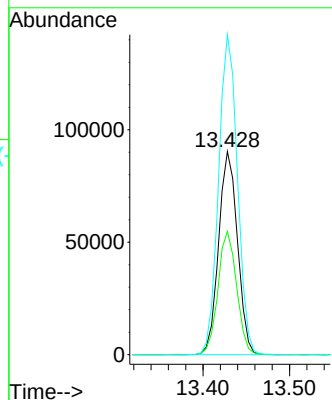
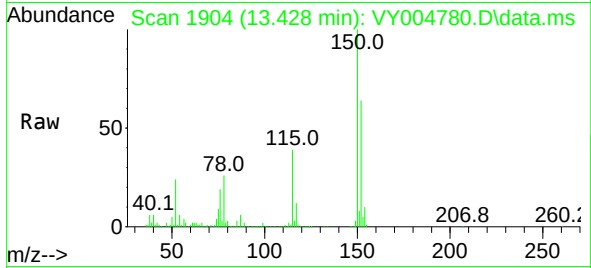




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004780.D
 Acq: 14 May 2021 14:12

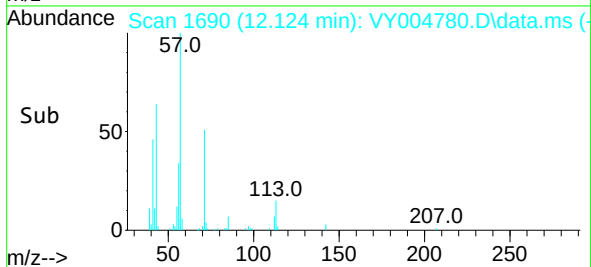
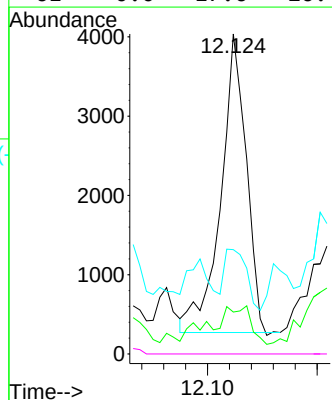
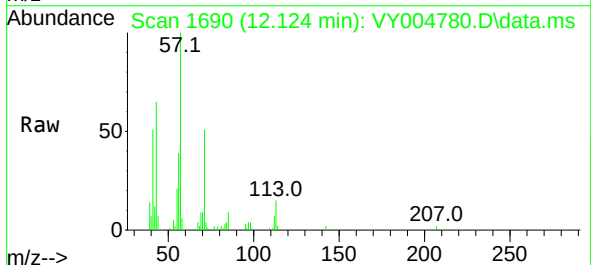
Instrument :
 MSVOA_Y
 ClientSampleId :

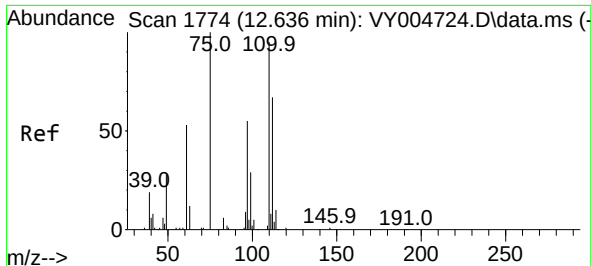
Tgt Ion:152 Resp: 136408
 Ion Ratio Lower Upper
 152 100
 115 60.1 29.4 88.3
 150 157.7 0.0 349.8



#74
 N-ethyl acetate
 Concen: 1.66 ug/l
 RT: 12.124 min Scan# 1690
 Delta R.T. -0.024 min
 Lab File: VY004780.D
 Acq: 14 May 2021 14:12

Tgt Ion: 43 Resp: 6058
 Ion Ratio Lower Upper
 43 100
 70 13.5 30.2 45.2#
 55 17.3 17.8 26.8#
 61 0.0 17.6 26.4#

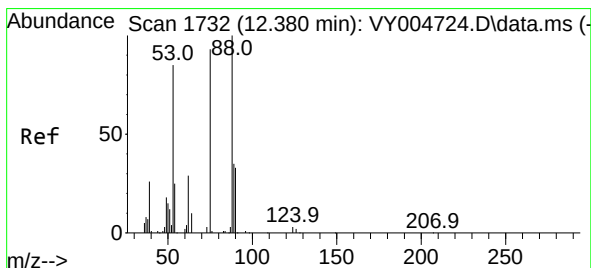
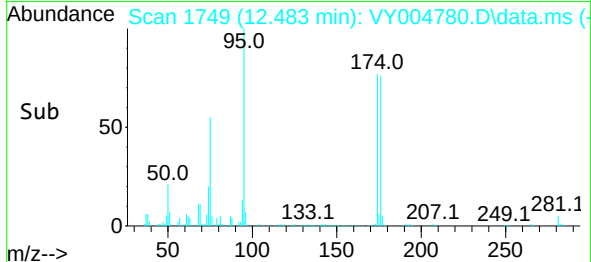
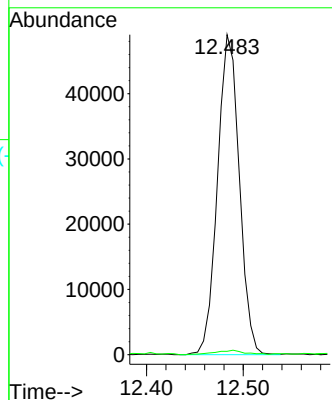
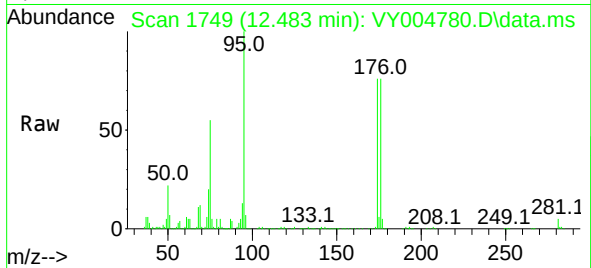




#76
1,2,3-Trichloropropane
Concen: 52.96 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

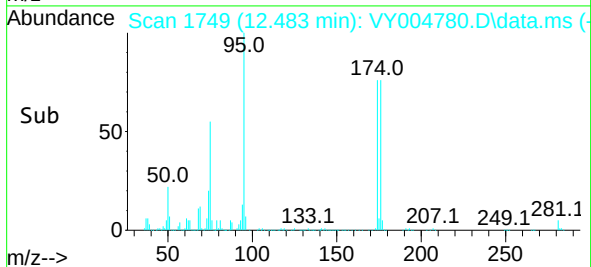
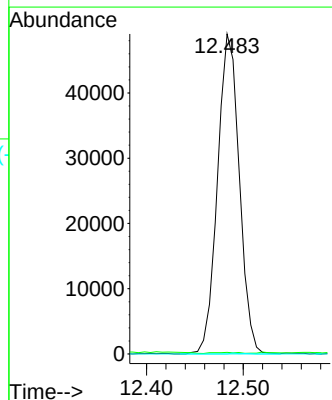
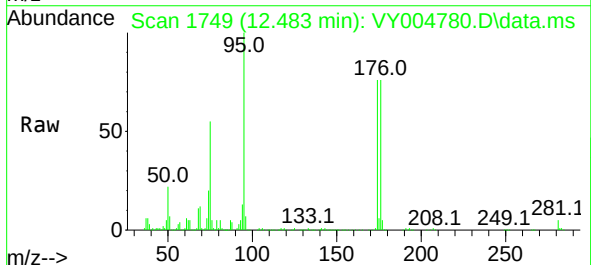
Instrument :
MSVOA_Y
ClientSampled :

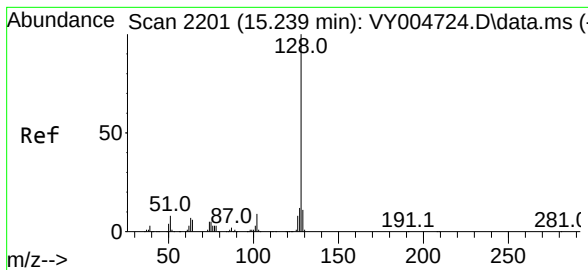
Tgt Ion: 75 Resp: 76737
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004780.D
Acq: 14 May 2021 14:12

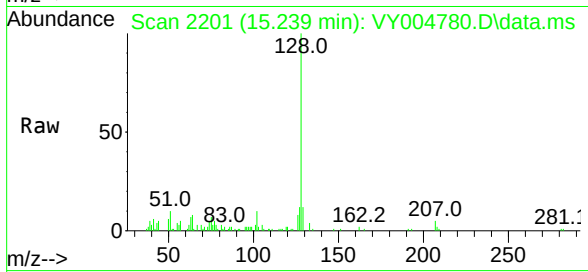
Tgt Ion: 75 Resp: 76737
Ion Ratio Lower Upper
75 100
53 0.4 73.9 110.9#
89 0.2 35.5 53.3#





#95
 Naphthalene
 Concen: 2.47 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. -0.000 min
 Lab File: VY004780.D
 Acq: 14 May 2021 14:12

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 13817
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 11.6 8.6 13.0

