

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004770.D
 Acq On : 14 May 2021 01:38
 Operator : SY/MD
 Sample : M2392-04
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:30:33 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)

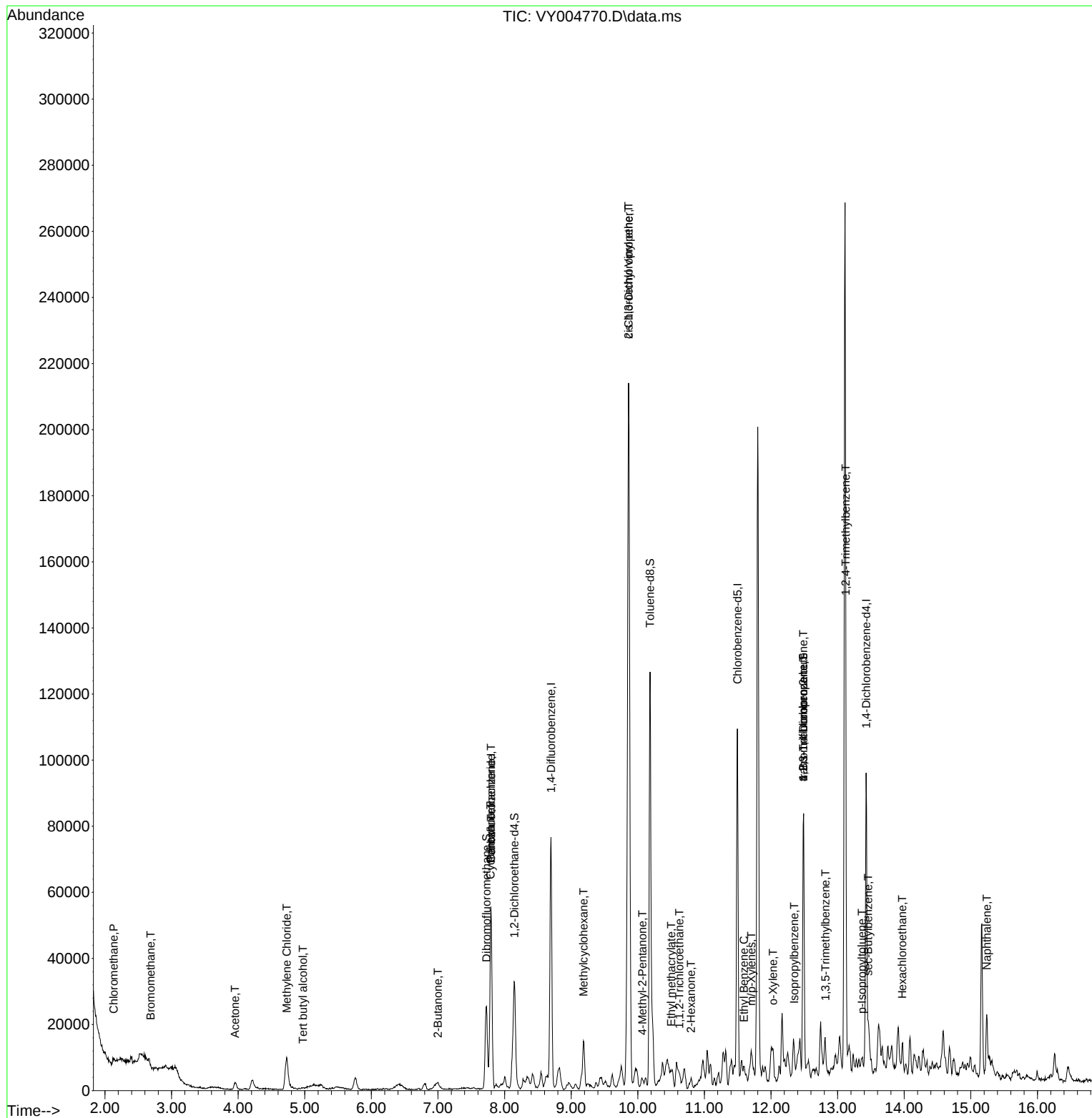
Internal Standards						
1) Pentafluorobenzene	7.795	168	38102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	59439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	52015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21632	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	22002	48.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.02%		
35) Dibromofluoromethane	7.728	113	17504	53.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.58%		
50) Toluene-d8	10.185	98	72379	49.24	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.48%		
62) 4-Bromofluorobenzene	12.483	95	21744	43.83	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.66%		
Target Compounds					Qvalue	
3) Chloromethane	2.131	50	769	1.36	ug/l #	77
5) Bromomethane	2.686	94	339	1.15	ug/l #	57
11) Tert butyl alcohol	4.972	59	594	13.03	ug/l #	71
16) Acetone	3.954	43	3653	35.86	ug/l #	87
20) Methylene Chloride	4.728	84	6459	6.20	ug/l	97
25) 2-Butanone	6.996	43	811	4.48	ug/l #	51
31) Cyclohexane	7.789	56	2480	3.38	ug/l #	78
38) Carbon Tetrachloride	7.795	117	3987	7.28	ug/l #	17
39) Methylcyclohexane	9.185	83	5392	8.12	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	773	1.85	ug/l #	85
54) cis-1,3-Dichloropropene	9.862	75	3584	4.89	ug/l #	76
55) 1,1,2-Trichloroethane	10.624	97	1348	3.91	ug/l #	16
56) Ethyl methacrylate	10.502	69	1155	2.32	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.862	63	1325	5.15	ug/l #	49
59) 2-Hexanone	10.800	43	1542	5.46	ug/l #	27
67) Ethyl Benzene	11.593	91	3062	1.54	ug/l	99
68) m/p-Xylenes	11.703	106	1838	2.46	ug/l	94
69) o-Xylene	12.032	106	1266	1.81	ug/l	99
73) Isopropylbenzene	12.349	105	3337	2.04	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	11763	51.20	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.818	105	2553	1.88	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	11763	88.77	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	4901	3.61	ug/l	99
85) sec-Butylbenzene	13.459	105	5008	2.98	ug/l	93
86) p-Isopropyltoluene	13.367	119	1710	1.17	ug/l	88
90) Hexachloroethane	13.971	117	356	1.73	ug/l #	14
95) Naphthalene	15.239	128	14535	16.35	ug/l	97

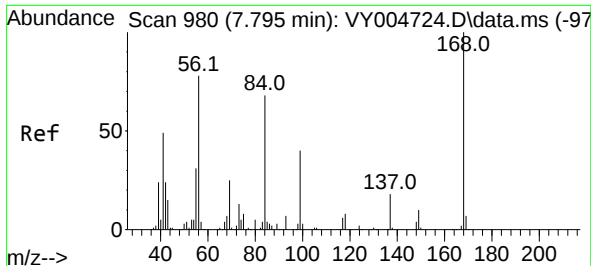
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
Data File : VY004770.D
Acq On : 14 May 2021 01:38
Operator : SY/MD
Sample : M2392-04
Misc : 5.02G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 14 02:30:33 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

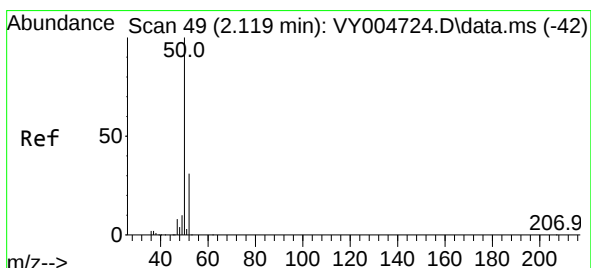
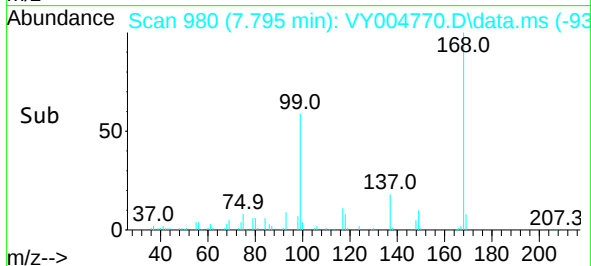
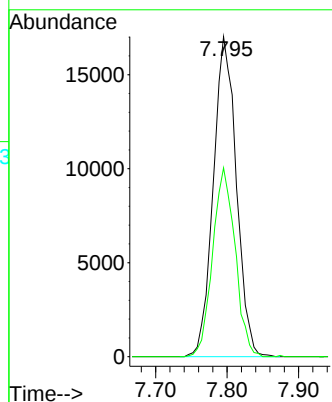
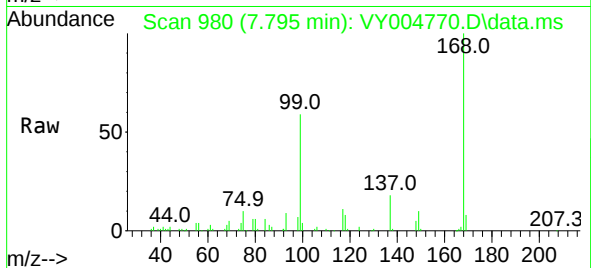




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

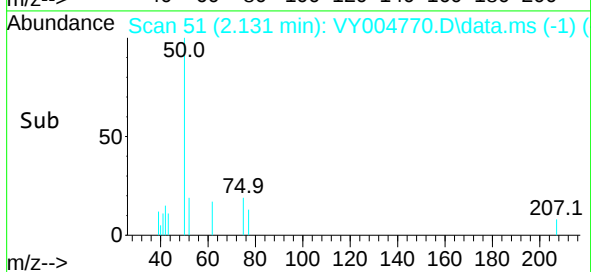
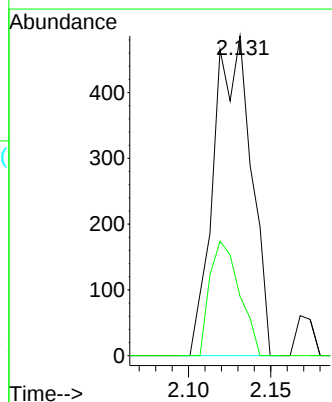
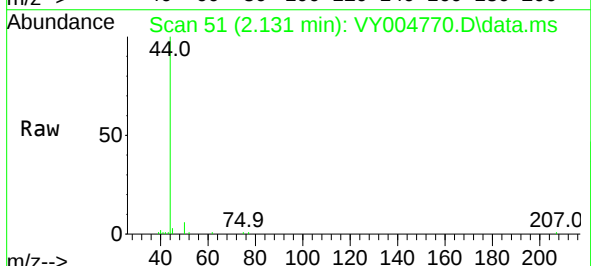
Instrument :
MSVOA_Y
ClientSampleId :

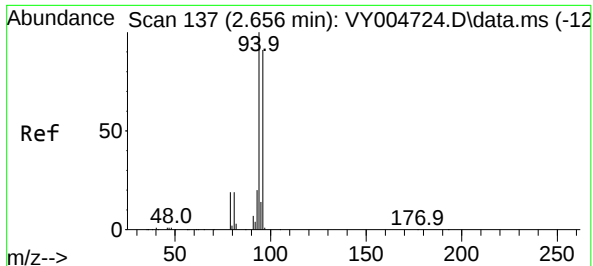
Tgt Ion:168 Resp: 38102
Ion Ratio Lower Upper
168 100
99 59.0 45.6 68.4



#3
Chloromethane
Concen: 1.36 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion: 50 Resp: 769
Ion Ratio Lower Upper
50 100
52 18.5 25.0 37.6#

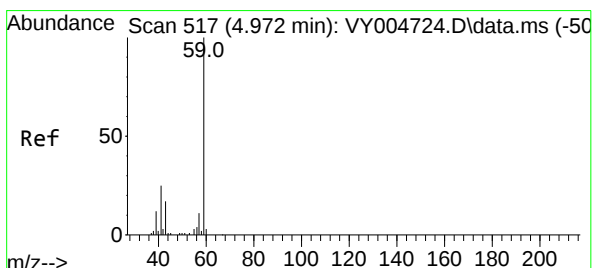
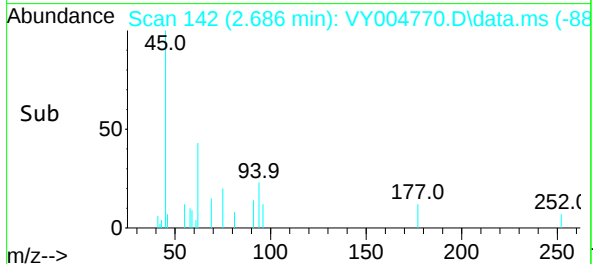
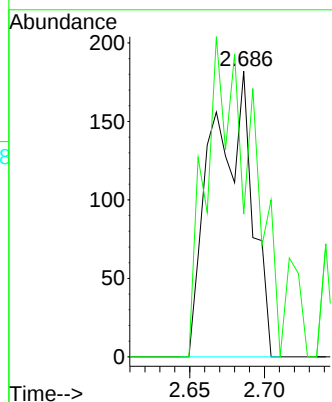
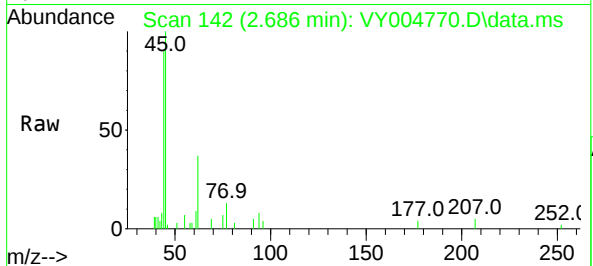




#5
Bromomethane
Concen: 1.15 ug/l
RT: 2.686 min Scan# 142
Delta R.T. 0.030 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

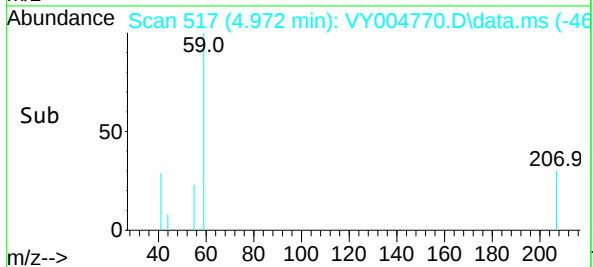
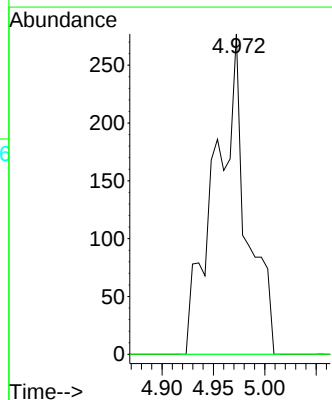
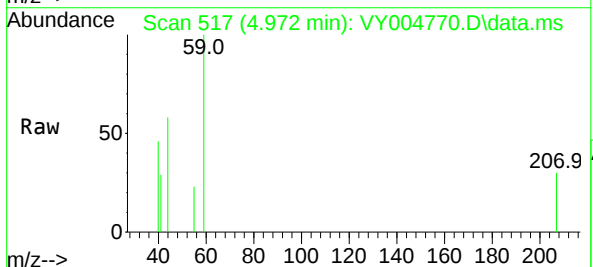
Instrument :
MSVOA_Y
ClientSampled :

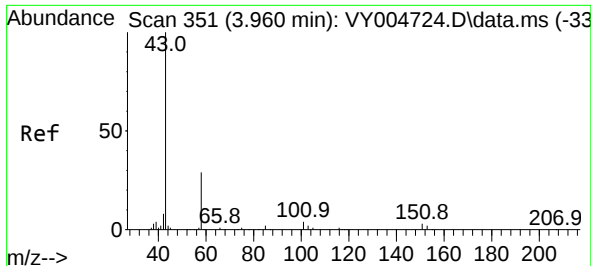
Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 50.0 72.6 109.0#



#11
Tert butyl alcohol
Concen: 13.03 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

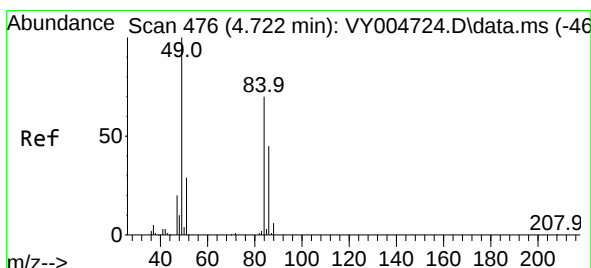
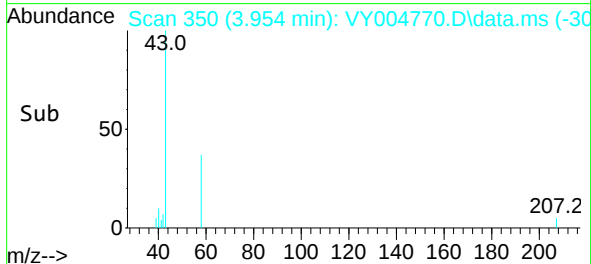
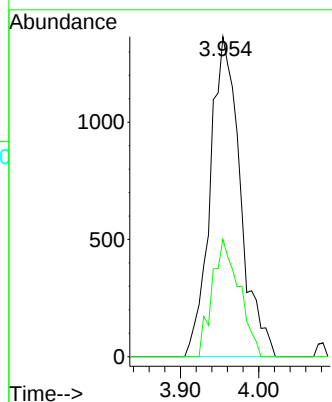
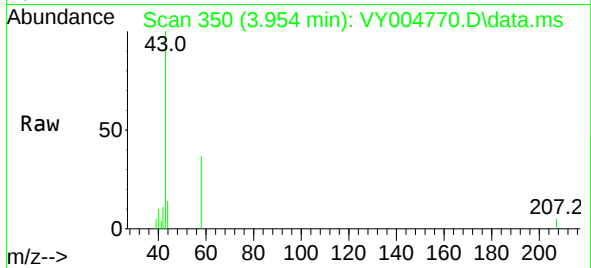




#16
Acetone
Concen: 35.86 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

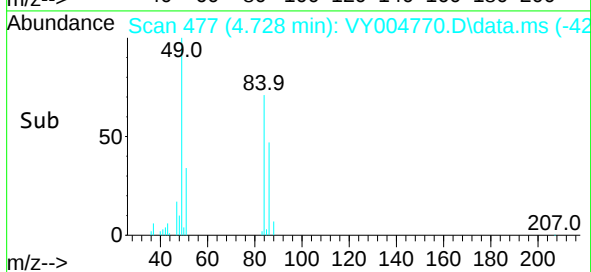
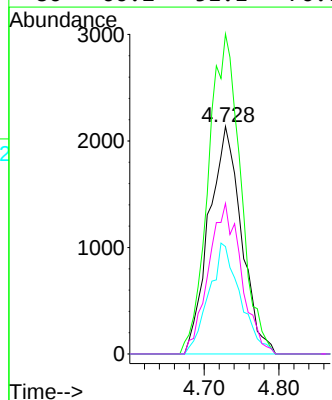
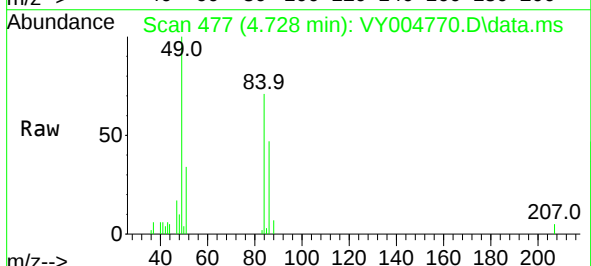
Instrument :
MSVOA_Y
ClientSampleId :

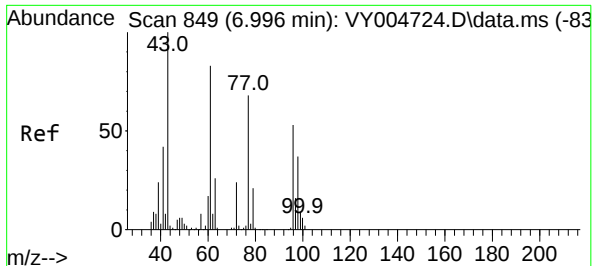
Tgt Ion: 43 Resp: 3653
Ion Ratio Lower Upper
43 100
58 36.6 23.6 35.4#



#20
Methylene Chloride
Concen: 6.20 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion: 84 Resp: 6459
Ion Ratio Lower Upper
84 100
49 140.7 113.8 170.8
51 47.2 33.5 50.3
86 66.2 51.1 76.7





#25

2-Butanone

Concen: 4.48 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY004770.D

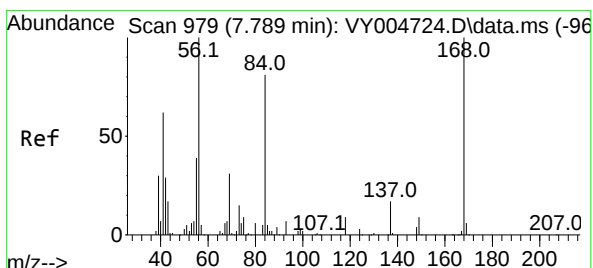
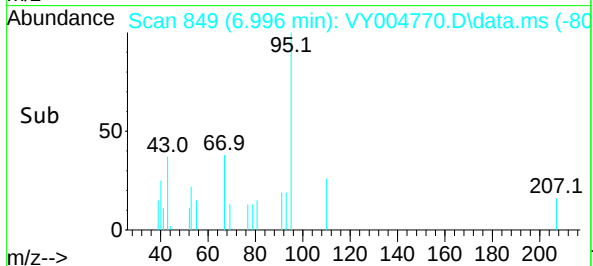
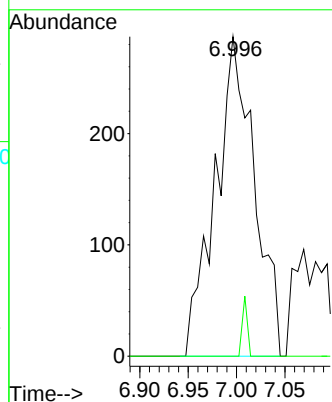
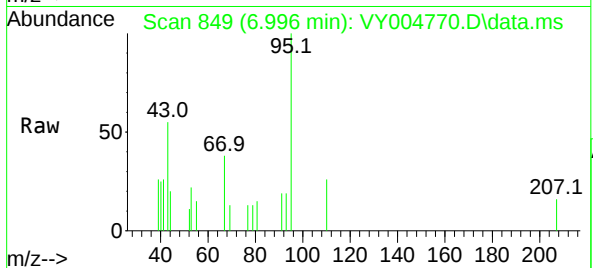
Acq: 14 May 2021 01:38

Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#



#31

Cyclohexane

Concen: 3.38 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY004770.D

Acq: 14 May 2021 01:38

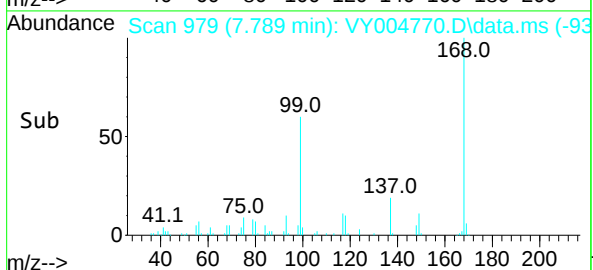
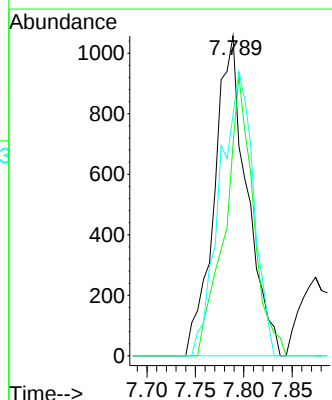
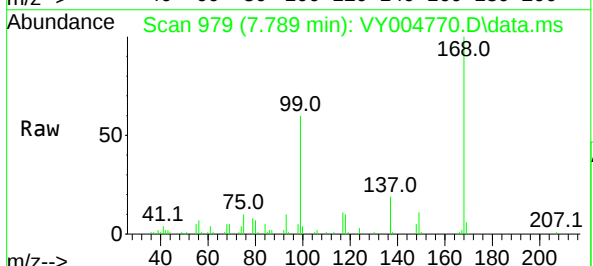
Tgt Ion: 56 Resp: 2480

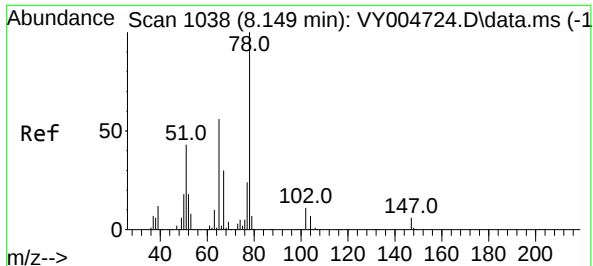
Ion Ratio Lower Upper

56 100

69 66.0 24.4 36.6#

84 75.3 64.8 97.2

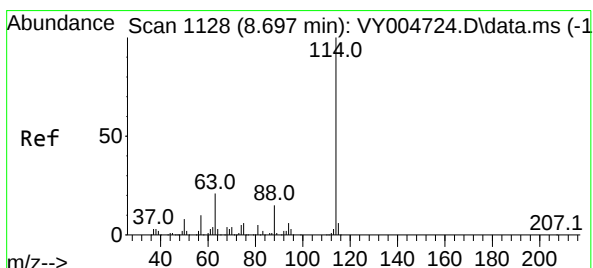
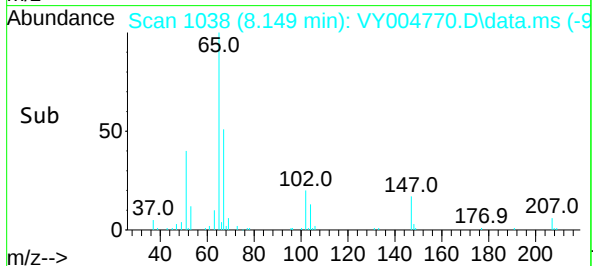
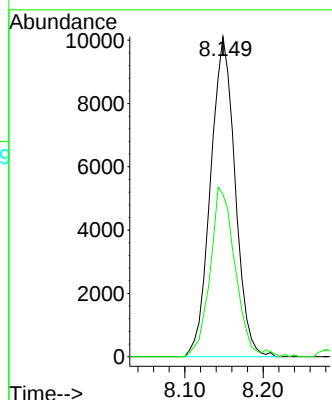
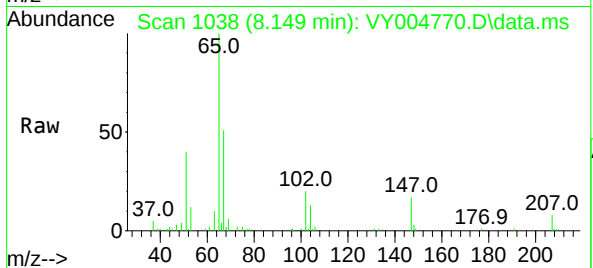




#33
 1,2-Dichloroethane-d4
 Concen: 48.51 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY004770.D
 Acq: 14 May 2021 01:38

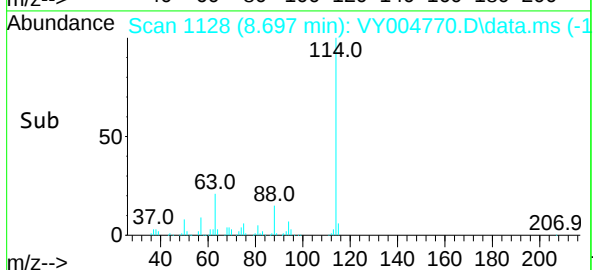
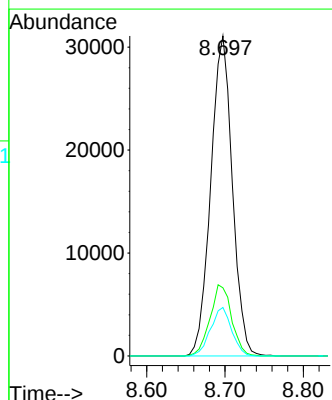
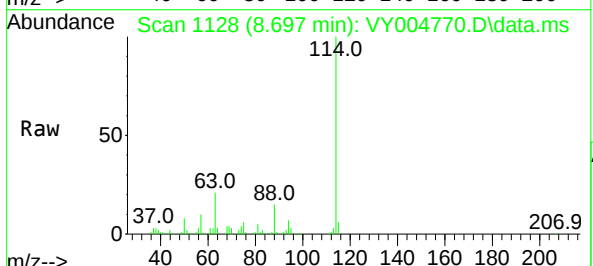
Instrument :
 MSVOA_Y
 ClientSampleId :

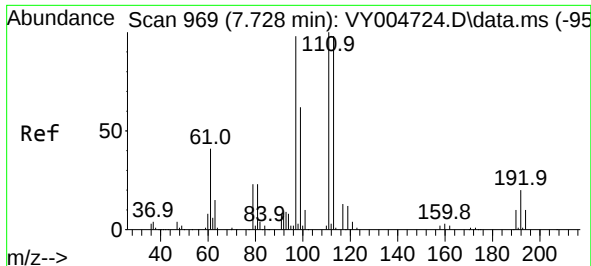
Tgt Ion: 65 Resp: 22002
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY004770.D
 Acq: 14 May 2021 01:38

Tgt Ion: 114 Resp: 59439
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 15.2 0.0 31.0

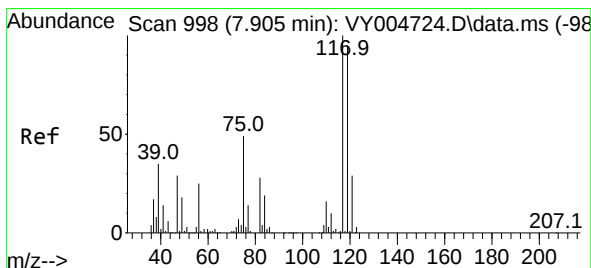
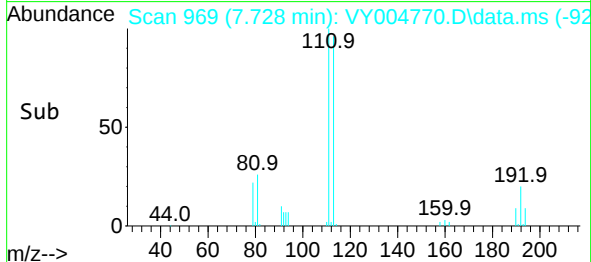
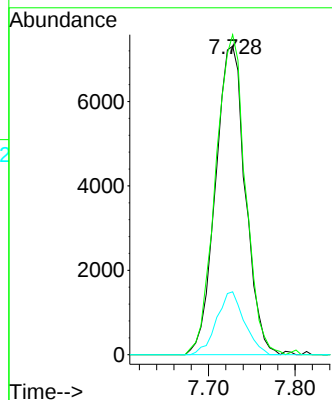
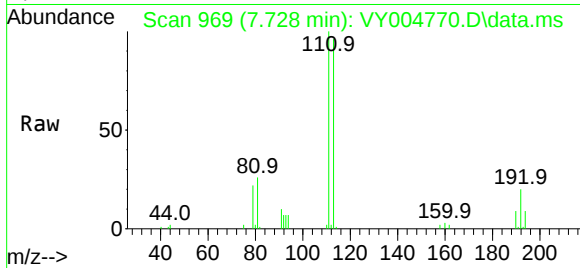




#35
Dibromofluoromethane
Concen: 53.79 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

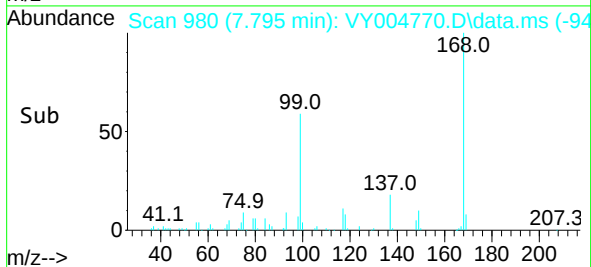
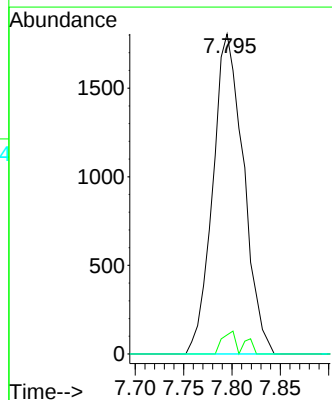
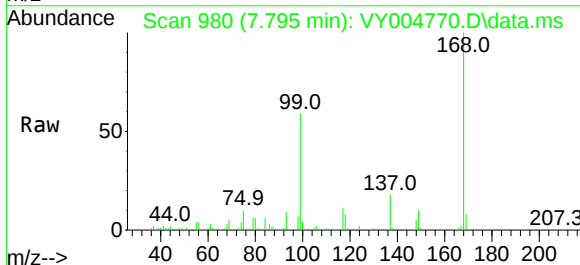
Instrument :
MSVOA_Y
ClientSampled :

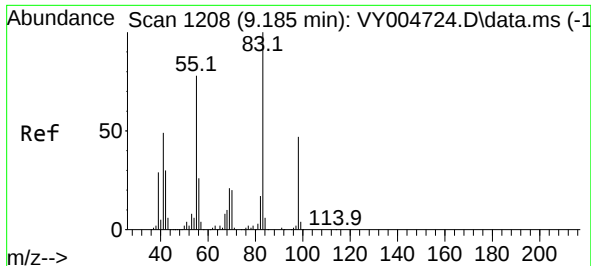
Tgt Ion:	113	Resp:	17504
Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.5	120.7
192	19.0	15.0	22.6



#38
Carbon Tetrachloride
Concen: 7.28 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion:	117	Resp:	3987
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.3	114.5#
121	0.0	23.0	34.6#





#39

Methylcyclohexane

Concen: 8.12 ug/l

RT: 9.185 min Scan# 1208

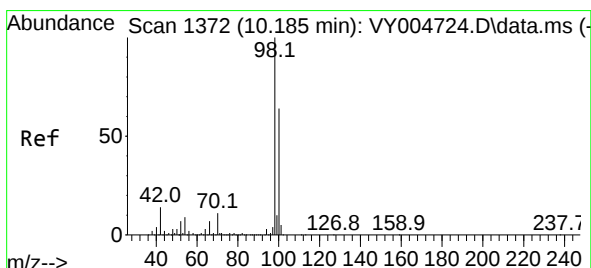
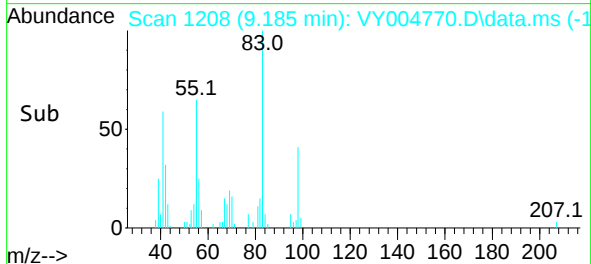
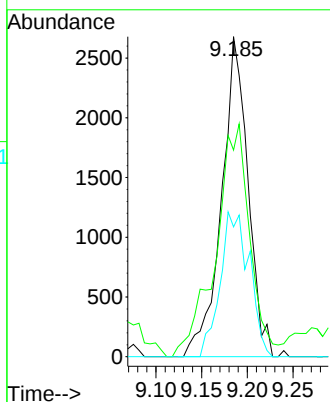
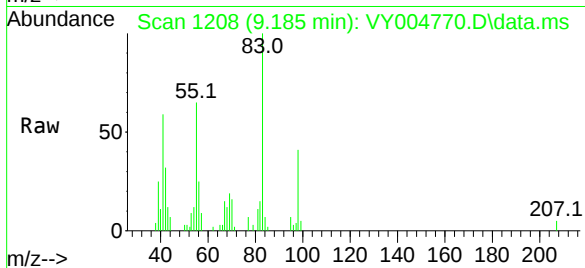
Delta R.T. -0.000 min

Lab File: VY004770.D

Acq: 14 May 2021 01:38

Tgt Ion:	83	Resp:	5392
Ion	Ratio	Lower	Upper
83	100		
55	61.5	62.6	94.0#
98	40.6	37.8	56.6

Instrument :
MSVOA_Y
ClientSampleId :



#50

Toluene-d8

Concen: 49.24 ug/l

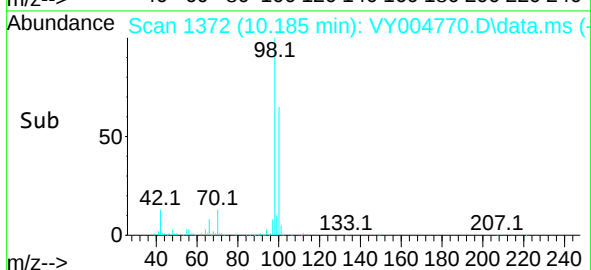
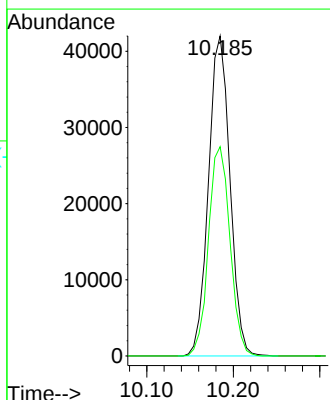
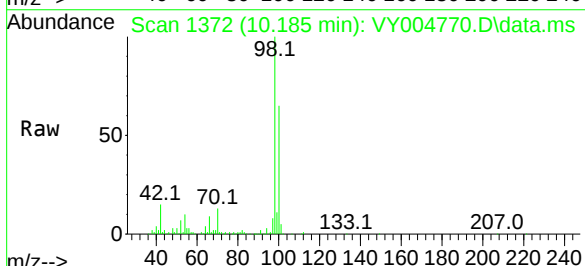
RT: 10.185 min Scan# 1372

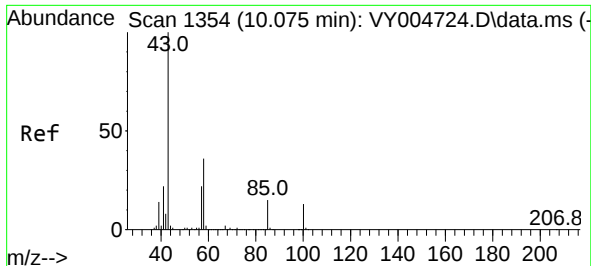
Delta R.T. -0.000 min

Lab File: VY004770.D

Acq: 14 May 2021 01:38

Tgt Ion:	98	Resp:	72379
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3

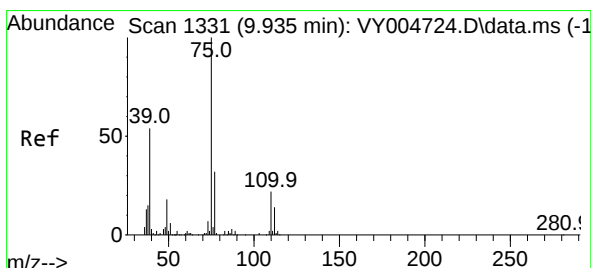
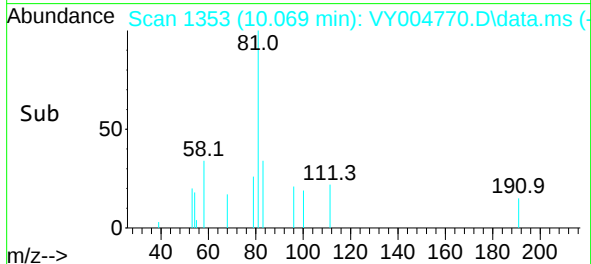
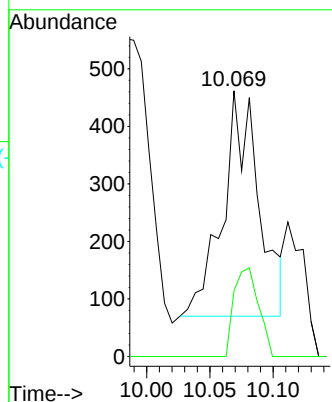
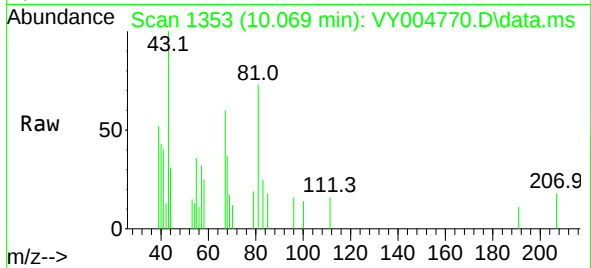




#51
4-Methyl-2-Pentanone
Concen: 1.85 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

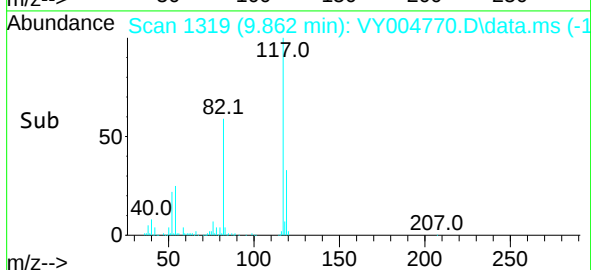
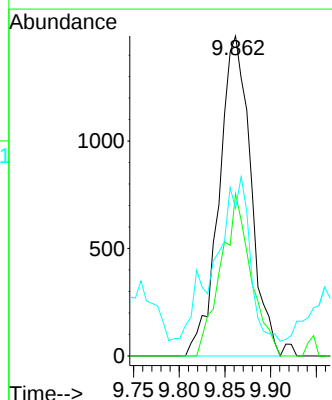
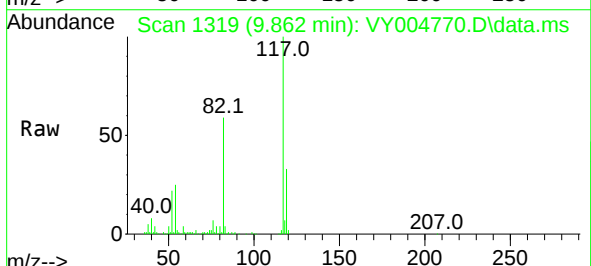
Instrument :
MSVOA_Y
ClientSampled :

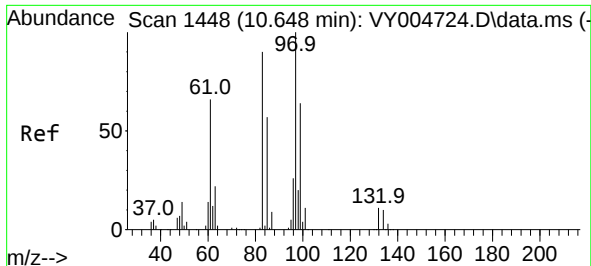
Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
58 26.9 28.7 43.1#



#54
cis-1,3-Dichloropropene
Concen: 4.89 ug/l
RT: 9.862 min Scan# 1319
Delta R.T. -0.073 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

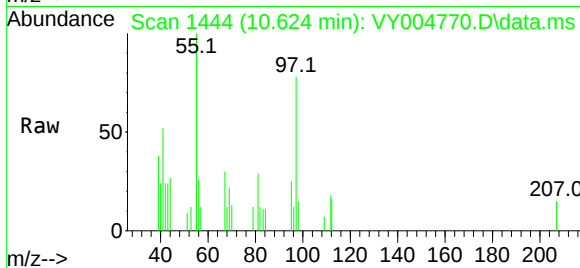
Tgt Ion: 75 Resp: 3584
Ion Ratio Lower Upper
75 100
77 50.7 25.4 38.0#
39 41.6 43.2 64.8#



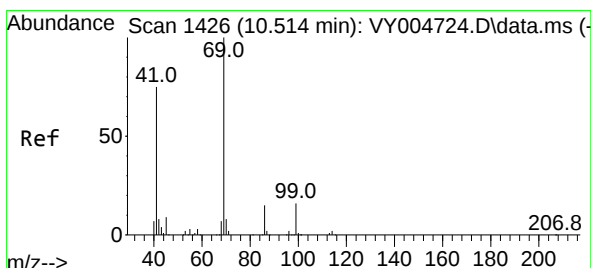
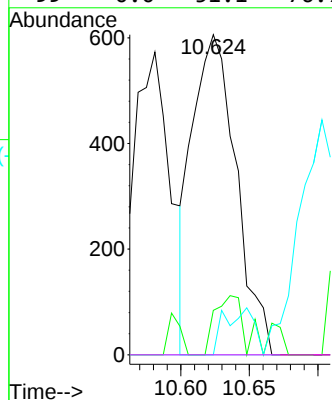
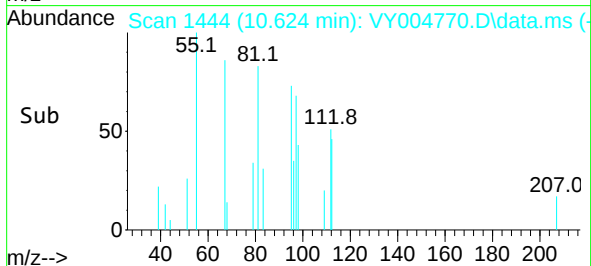


#55
1,1,2-Trichloroethane
Concen: 3.91 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

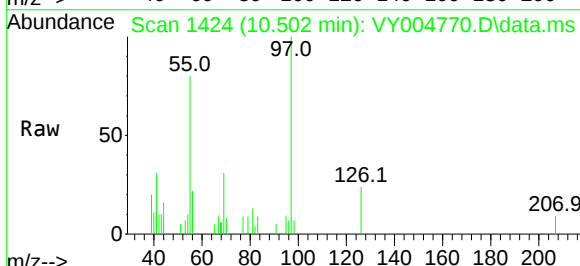
Instrument :
MSVOA_Y
ClientSampleId :



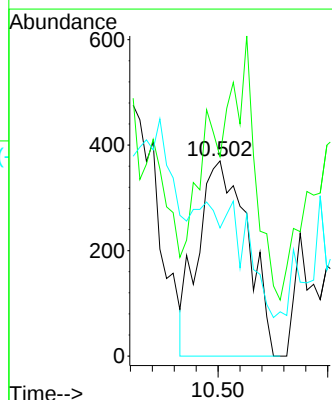
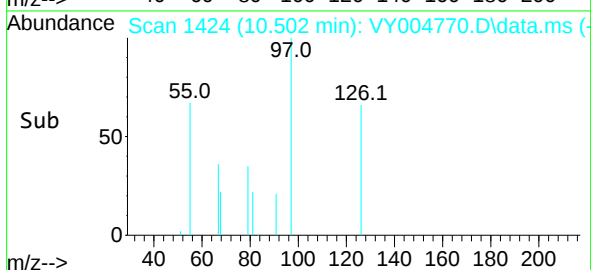
Tgt Ion:	97	Resp:	1348
Ion	Ratio	Lower	Upper
97	100		
83	5.3	71.9	107.9#
85	0.0	45.8	68.6#
99	0.0	51.1	76.7#

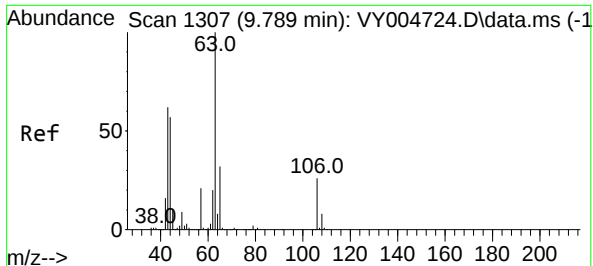


#56
Ethyl methacrylate
Concen: 2.32 ug/l
RT: 10.502 min Scan# 1424
Delta R.T. -0.012 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38



Tgt Ion:	69	Resp:	1155
Ion	Ratio	Lower	Upper
69	100		
41	0.0	60.2	90.4#
39	0.0	33.5	50.3#

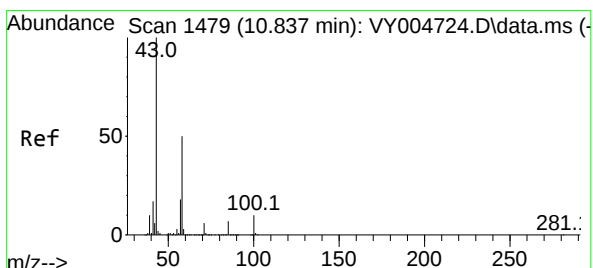
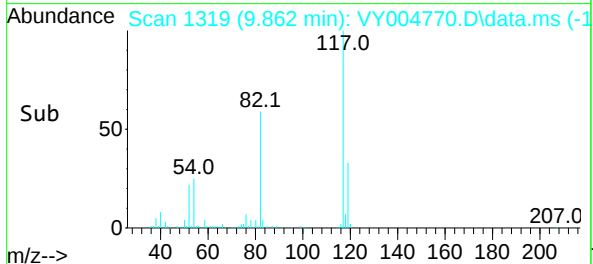
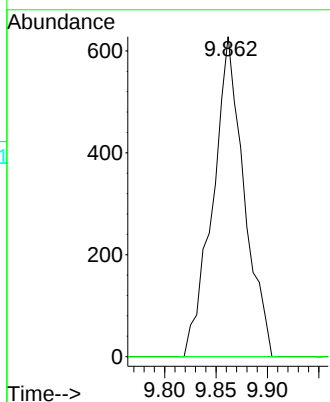
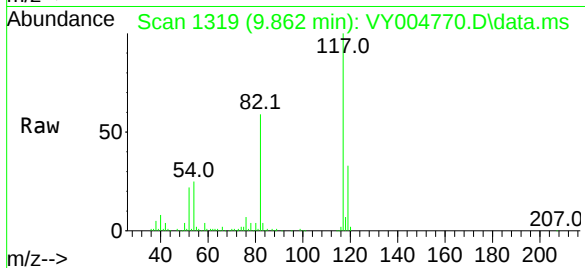




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.15 ug/l
 RT: 9.862 min Scan# 1319
 Delta R.T. 0.073 min
 Lab File: VY004770.D
 Acq: 14 May 2021 01:38

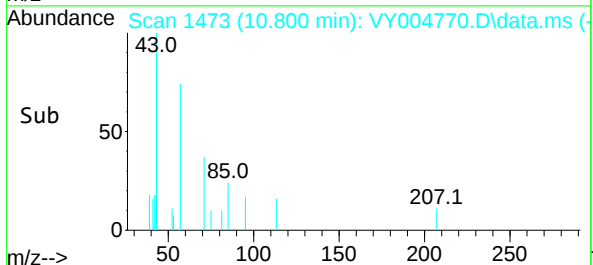
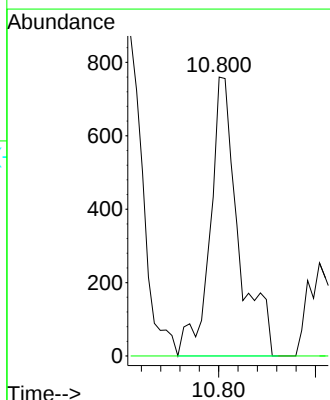
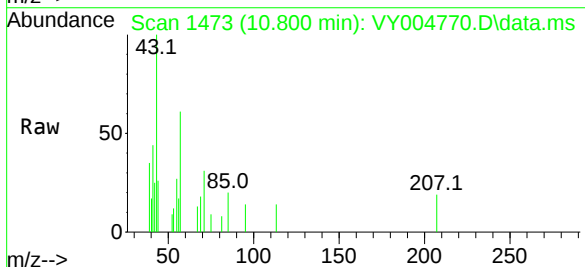
Instrument :
 MSVOA_Y
 ClientSampleId :

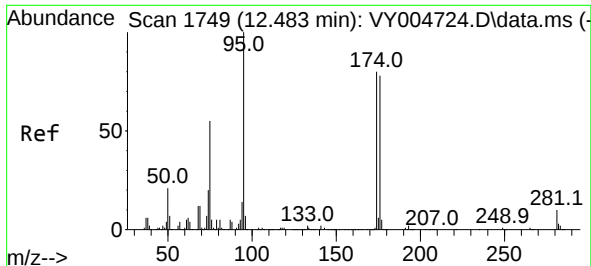
Tgt Ion: 63 Resp: 1325
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#59
 2-Hexanone
 Concen: 5.46 ug/l
 RT: 10.800 min Scan# 1473
 Delta R.T. -0.037 min
 Lab File: VY004770.D
 Acq: 14 May 2021 01:38

Tgt Ion: 43 Resp: 1542
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.8#

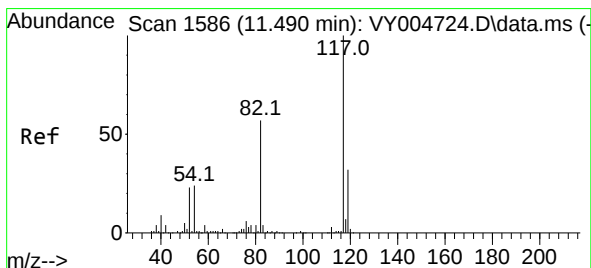
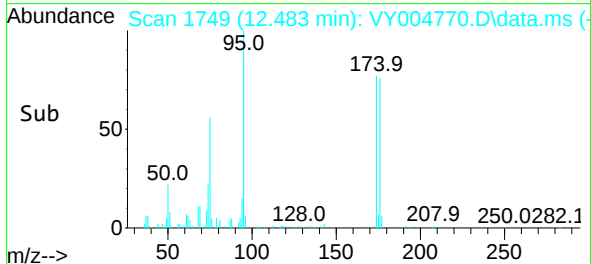
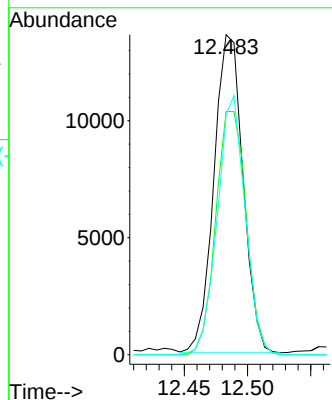
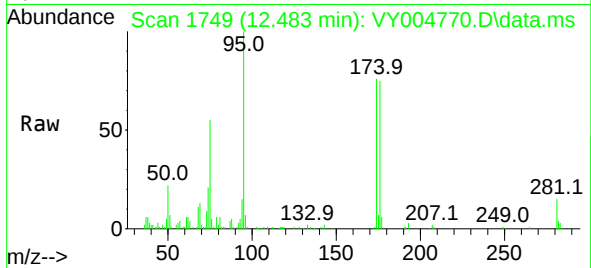




#62
4-Bromofluorobenzene
Concen: 43.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

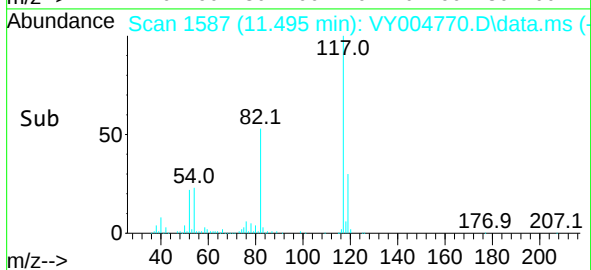
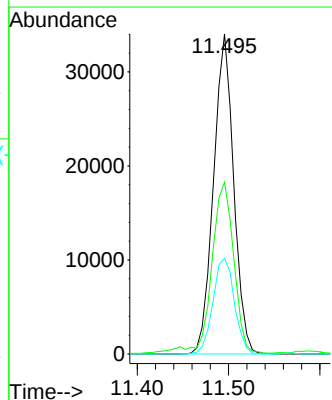
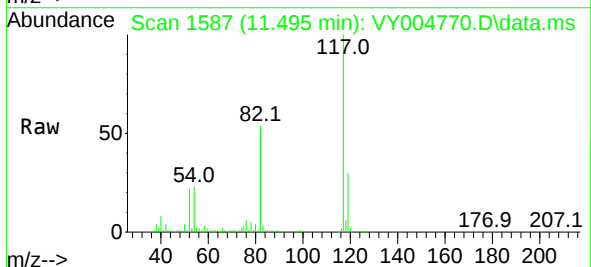
Instrument :
MSVOA_Y
ClientSampleId :

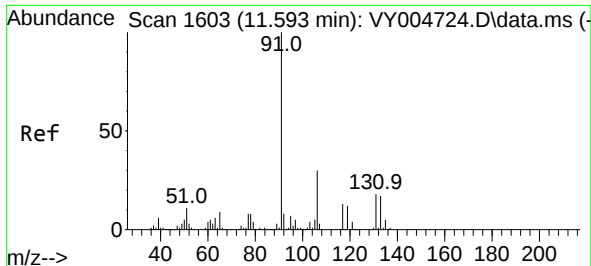
Tgt Ion: 95 Resp: 21744
Ion Ratio Lower Upper
95 100
174 80.0 0.0 164.2
176 77.9 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion: 117 Resp: 52015
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.2
119 29.9 25.8 38.6

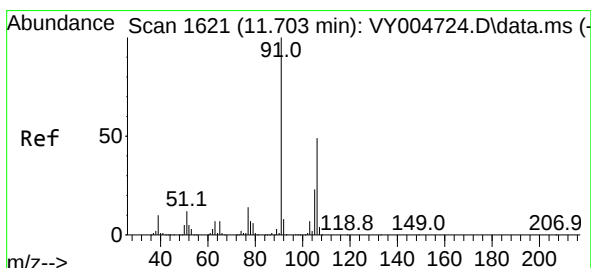
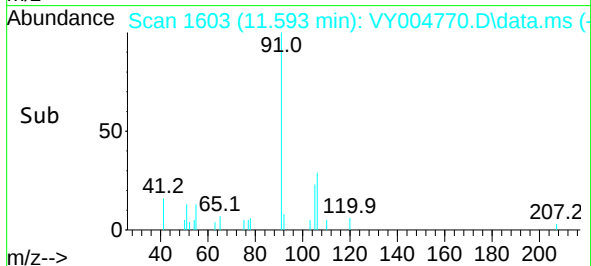
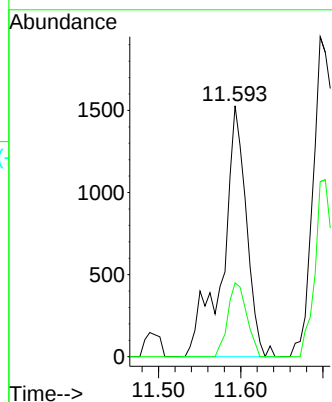
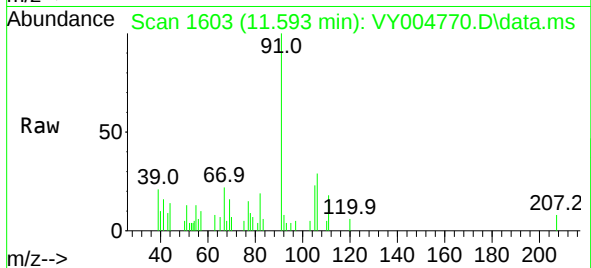




#67
Ethyl Benzene
Concen: 1.54 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

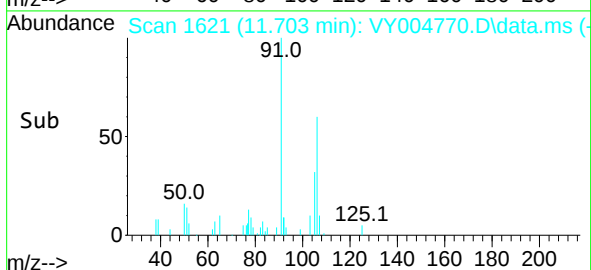
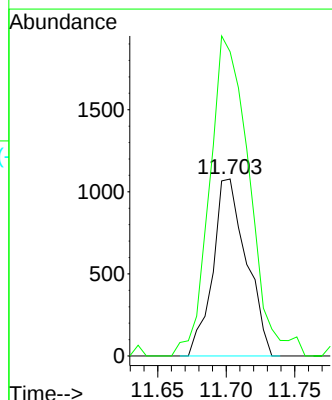
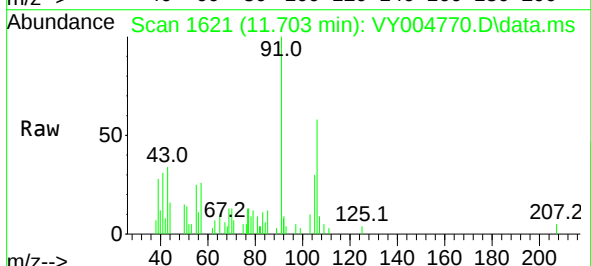
Instrument :
MSVOA_Y
ClientSampleId :

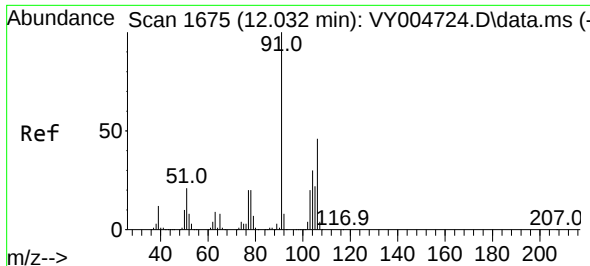
Tgt Ion: 91 Resp: 3062
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0



#68
m/p-Xylenes
Concen: 2.46 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion:106 Resp: 1838
Ion Ratio Lower Upper
106 100
91 213.2 163.6 245.4

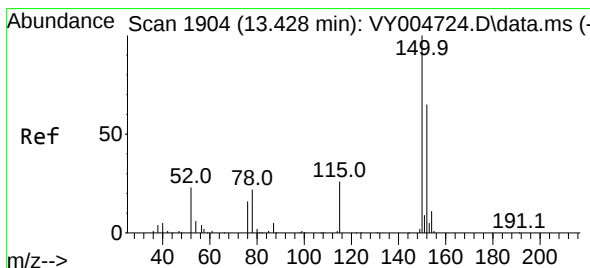
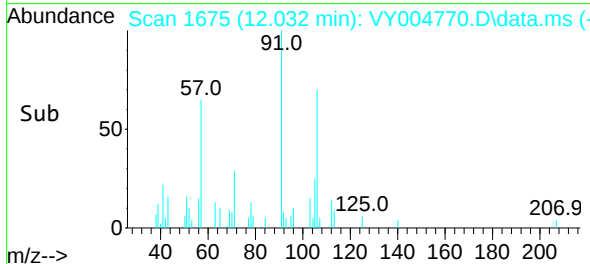
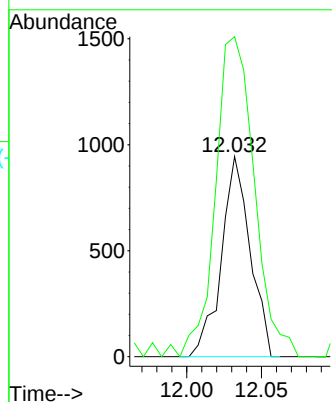
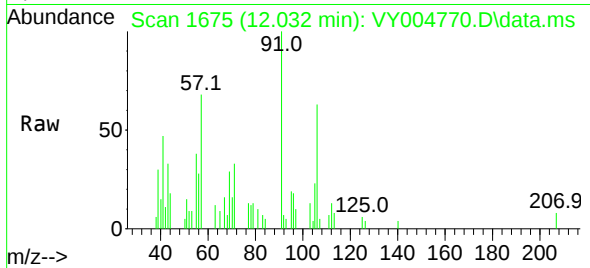




#69
o-Xylene
Concen: 1.81 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

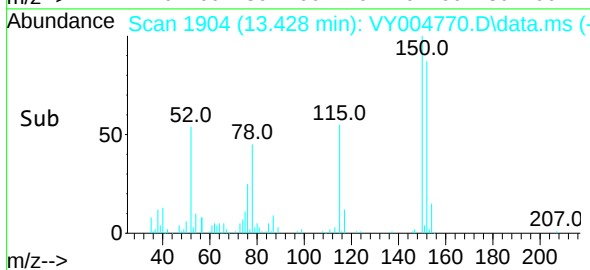
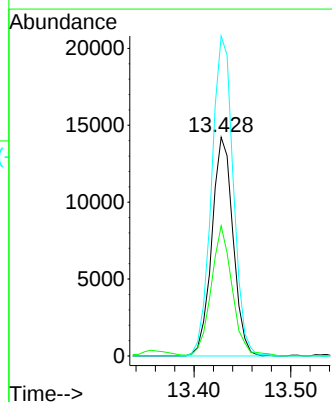
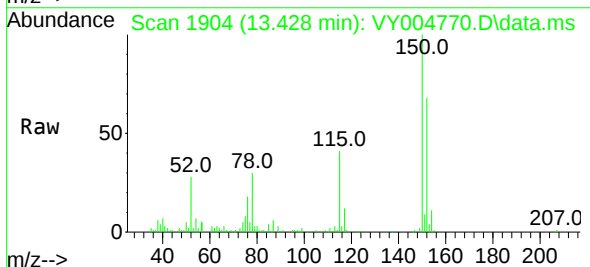
Instrument :
MSVOA_Y
ClientSampled :

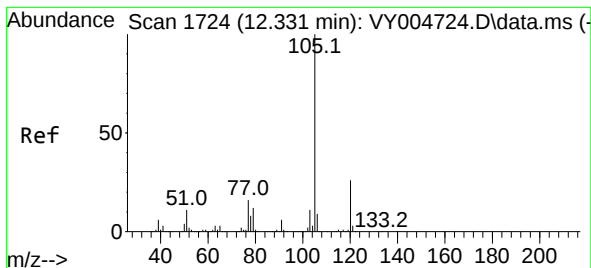
Tgt Ion:106 Resp: 1266
Ion Ratio Lower Upper
106 100
91 216.3 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion:152 Resp: 21632
Ion Ratio Lower Upper
152 100
115 59.0 29.4 88.3
150 149.6 0.0 349.8





#73

Isopropylbenzene

Concen: 2.04 ug/l

RT: 12.349 min Scan# 1727

Delta R.T. 0.018 min

Lab File: VY004770.D

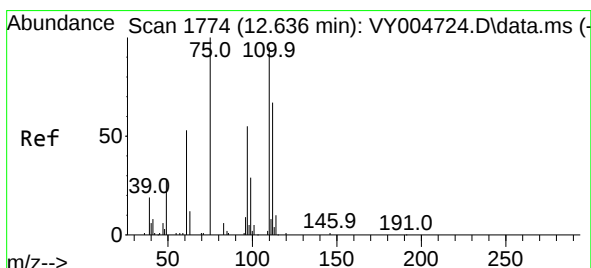
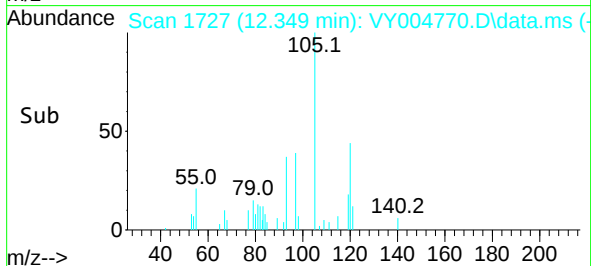
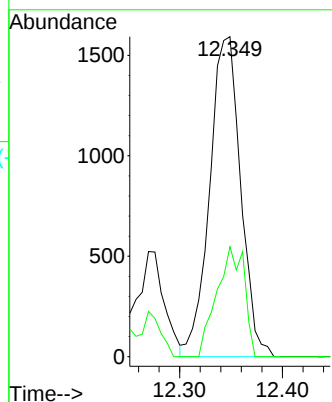
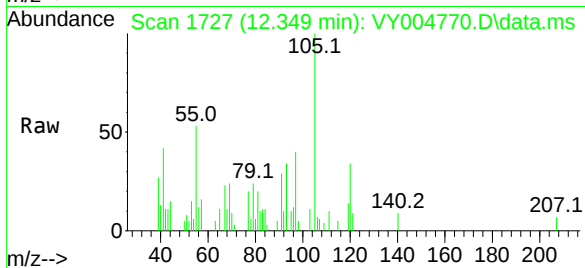
Acq: 14 May 2021 01:38

Tgt Ion:105 Resp: 3337

Ion Ratio Lower Upper

105 100

120 30.4 13.1 39.1



#76

1,2,3-Trichloropropane

Concen: 51.20 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY004770.D

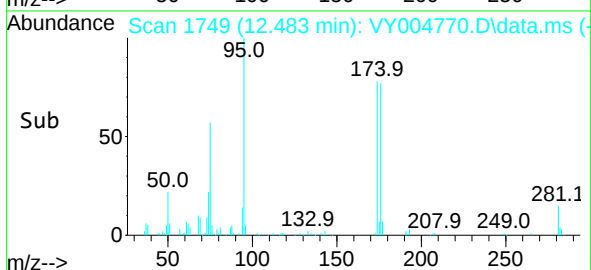
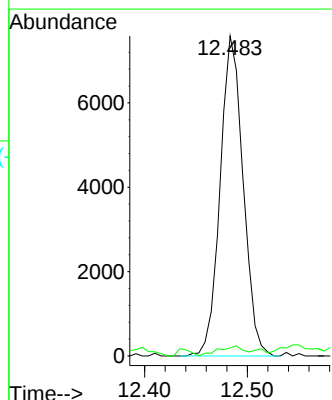
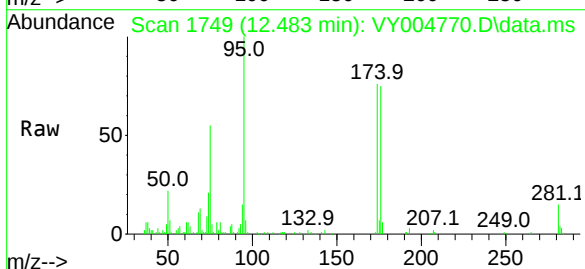
Acq: 14 May 2021 01:38

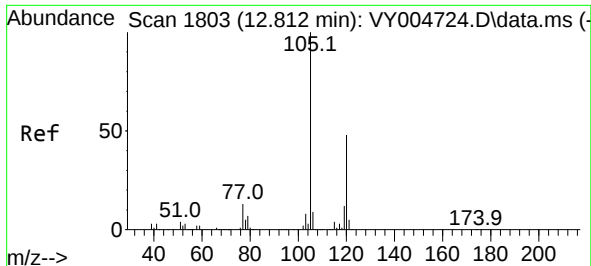
Tgt Ion: 75 Resp: 11763

Ion Ratio Lower Upper

75 100

77 3.5 0.0 0.0#

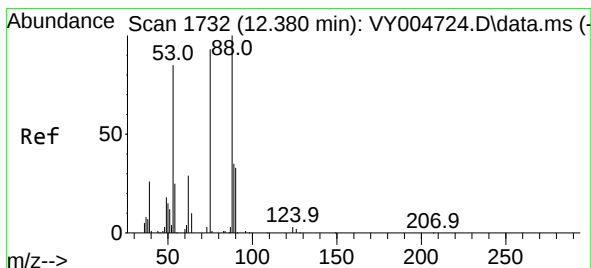
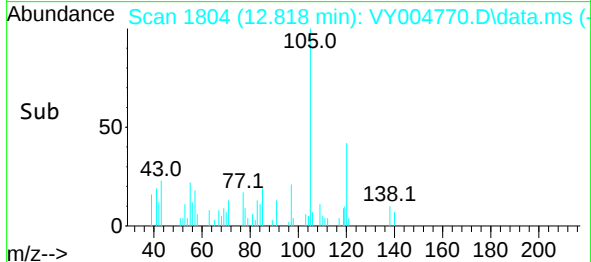
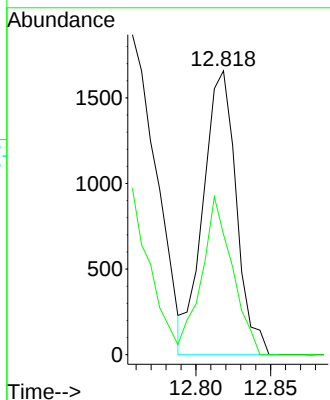
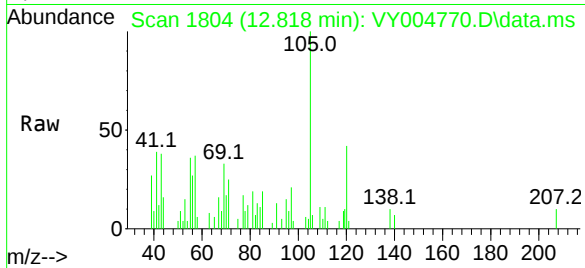




#80
1,3,5-Trimethylbenzene
Concen: 1.88 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

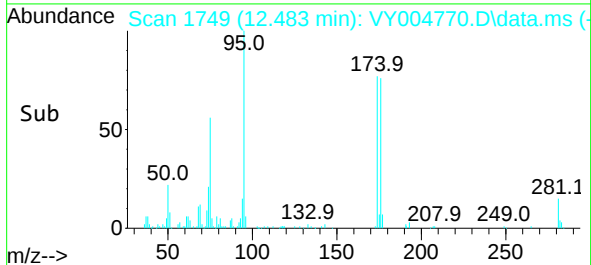
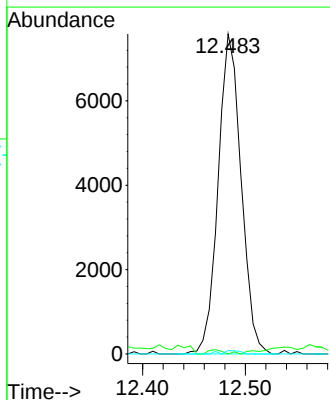
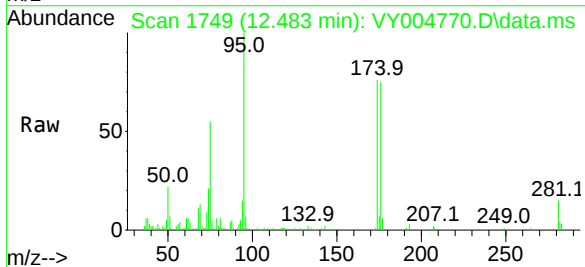
Instrument :
MSVOA_Y
ClientSampled :

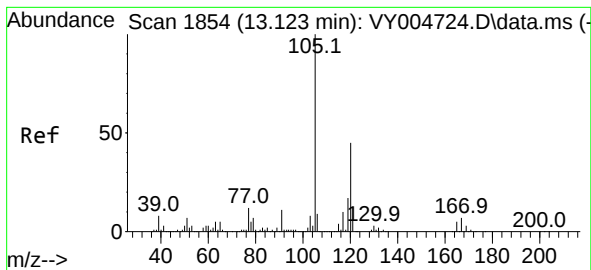
Tgt Ion:105 Resp: 2553
Ion Ratio Lower Upper
105 100
120 51.4 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 88.77 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion: 75 Resp: 11763
Ion Ratio Lower Upper
75 100
53 0.8 73.9 110.9#
89 0.9 35.5 53.3#

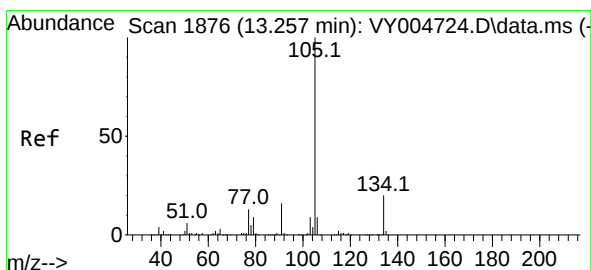
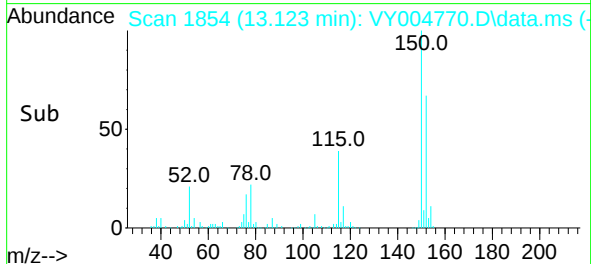
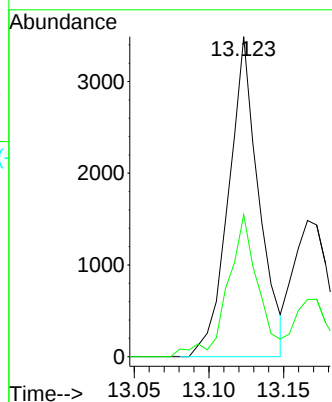
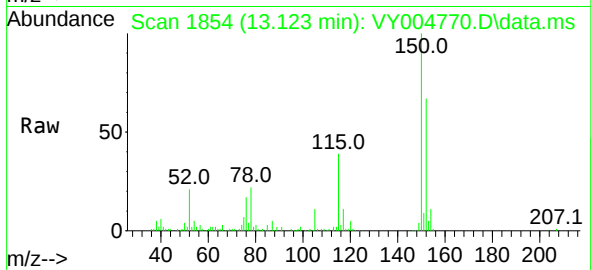




#84
1,2,4-Trimethylbenzene
Concen: 3.61 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

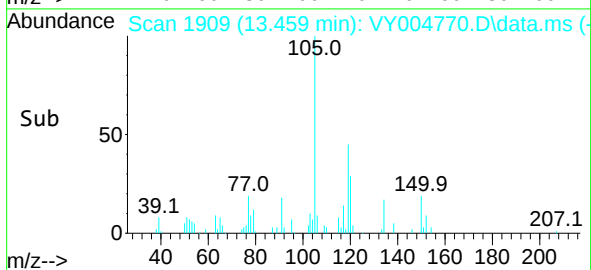
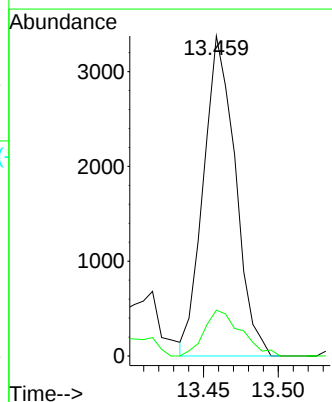
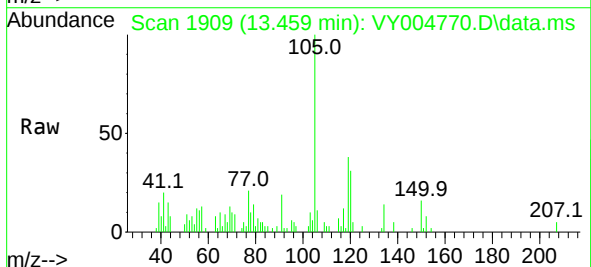
Instrument :
MSVOA_Y
ClientSampled :

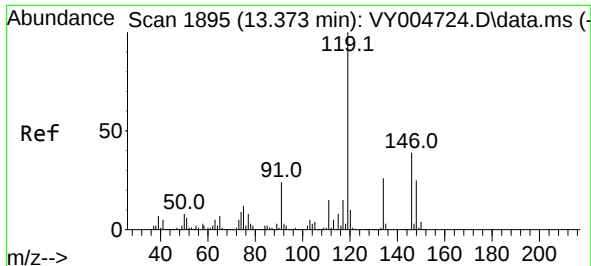
Tgt Ion:105 Resp: 4901
Ion Ratio Lower Upper
105 100
120 44.5 22.5 67.5



#85
sec-Butylbenzene
Concen: 2.98 ug/l
RT: 13.459 min Scan# 1909
Delta R.T. 0.201 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion:105 Resp: 5008
Ion Ratio Lower Upper
105 100
134 16.6 10.0 29.8

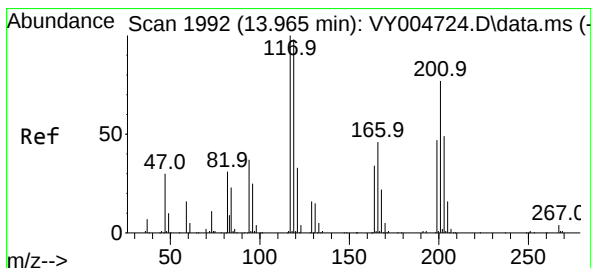
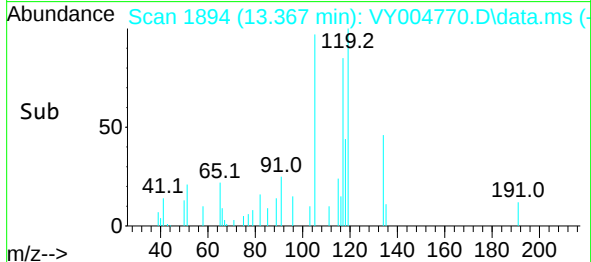
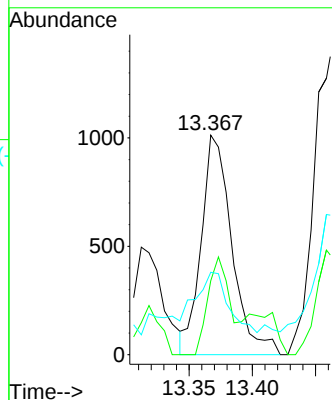
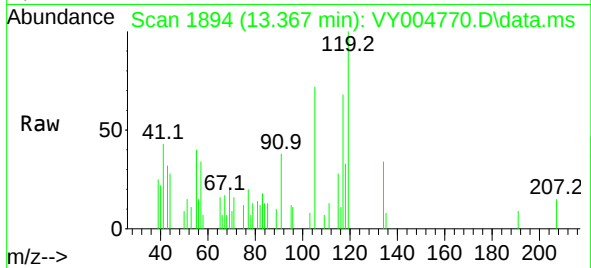




#86
p-Isopropyltoluene
Concen: 1.17 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

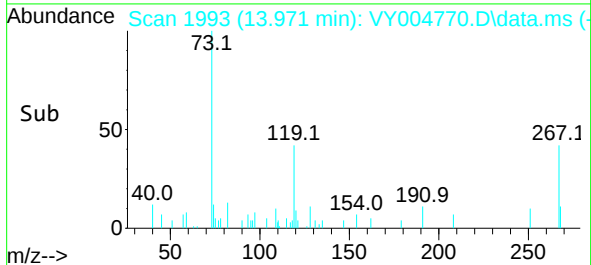
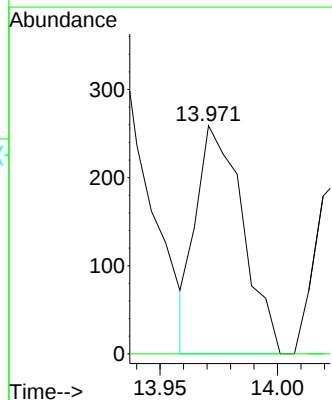
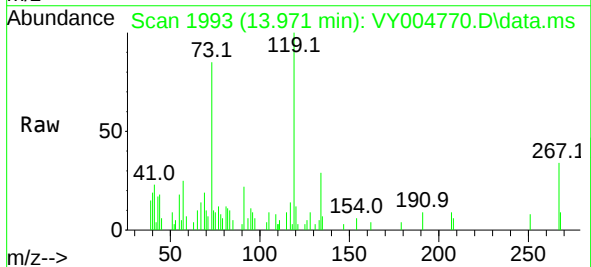
Instrument :
MSVOA_Y
ClientSampled :

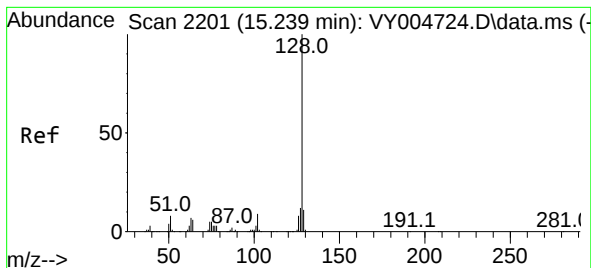
Tgt Ion:119 Resp: 1710
Ion Ratio Lower Upper
119 100
134 33.6 12.9 38.7
91 28.8 12.0 36.1



#90
Hexachloroethane
Concen: 1.73 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Tgt Ion:117 Resp: 356
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#





#95
Naphthalene
Concen: 16.35 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004770.D
Acq: 14 May 2021 01:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 14535
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.2
129 11.7 8.6 13.0

