

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062421\
 Data File : VY005209.D
 Acq On : 24 Jun 2021 14:28
 Operator : SY/MD
 Sample : M2832-01
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 25 04:34:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

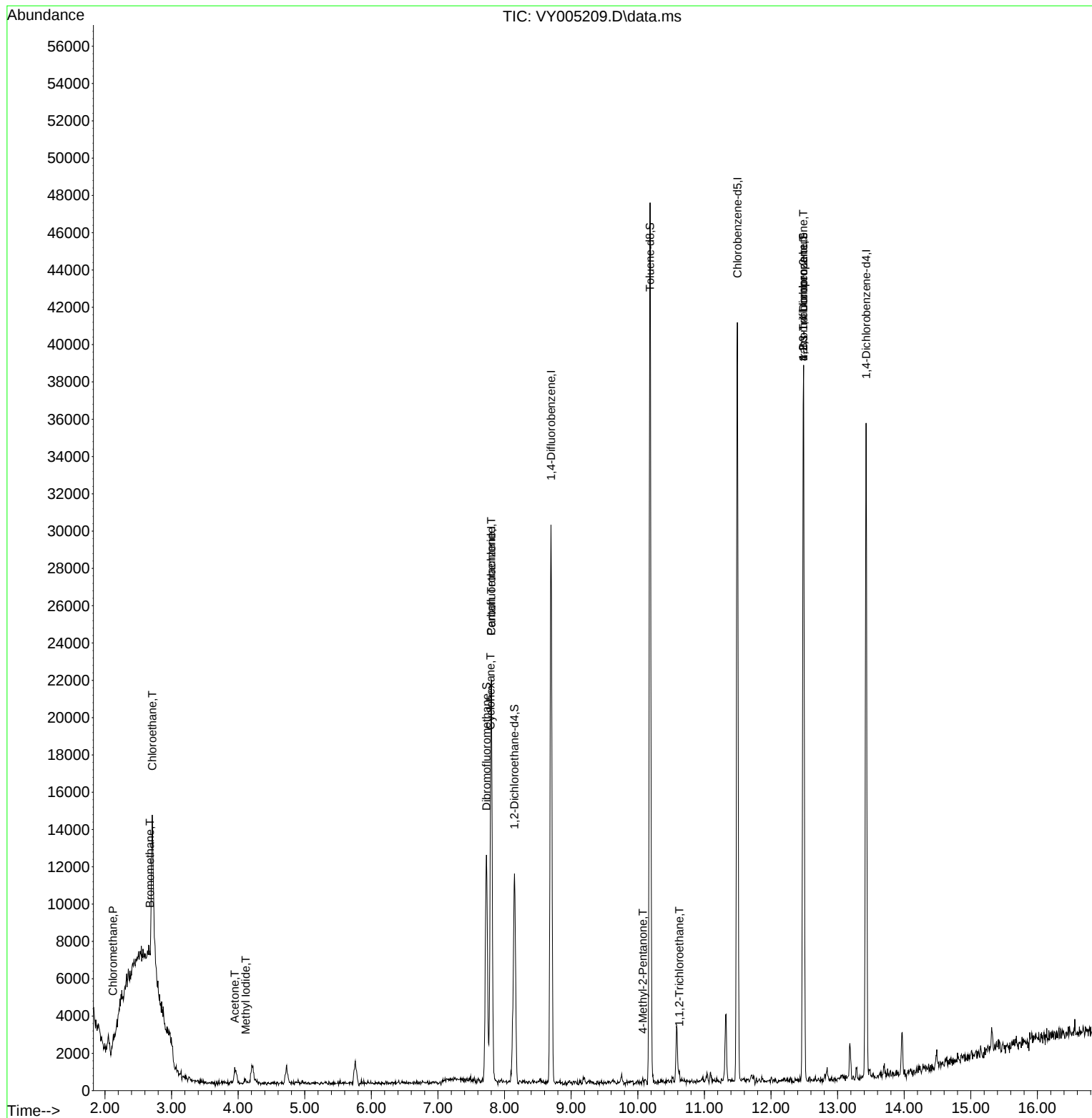
Internal Standards						
1) Pentafluorobenzene	7.801	168	18167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	26700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	24148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	8516	56.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.980%	
35) Dibromofluoromethane	7.728	113	8388	53.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.540%	
50) Toluene-d8	10.185	98	31522	50.058	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.483	95	8936	42.585	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.180%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	226	1.421	ug/l #	85
5) Bromomethane	2.674	94	280	2.427	ug/l	92
6) Chloroethane	2.711	64	16983	142.773	ug/l #	53
10) Methyl Iodide	4.113	142	449	2.120	ug/l #	53
11) Tert butyl alcohol	4.960	59	60	Below Cal	#	77
16) Acetone	3.948	43	1599	45.912	ug/l	100
20) Methylene Chloride	4.729	84	744	Below Cal	#	91
31) Cyclohexane	7.789	56	281	1.044	ug/l #	2
38) Carbon Tetrachloride	7.801	117	1608	6.534	ug/l #	12
51) 4-Methyl-2-Pentanone	10.075	43	117	1.003	ug/l #	32
55) 1,1,2-Trichloroethane	10.624	97	196	1.391	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	4040	45.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4040	85.221	ug/l #	17

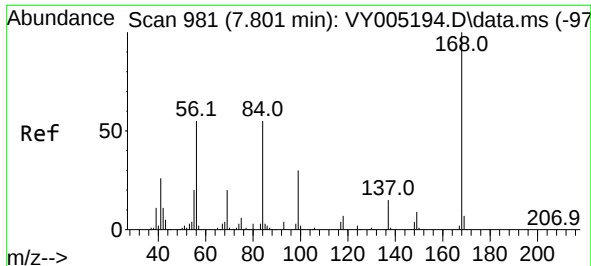
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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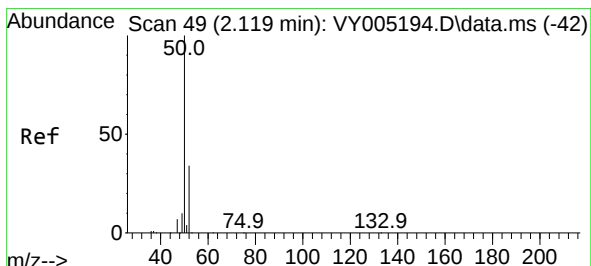
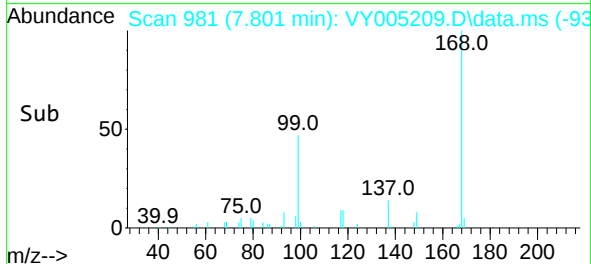
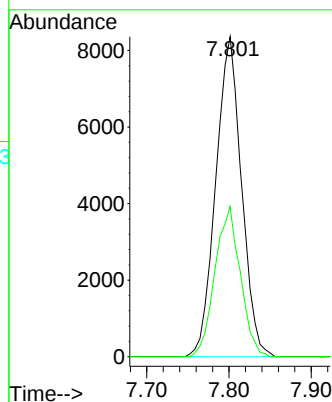
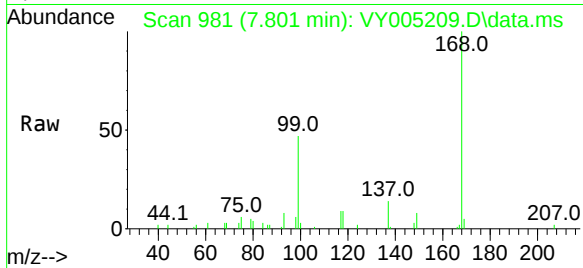




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

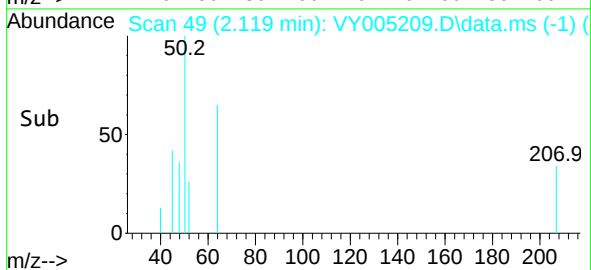
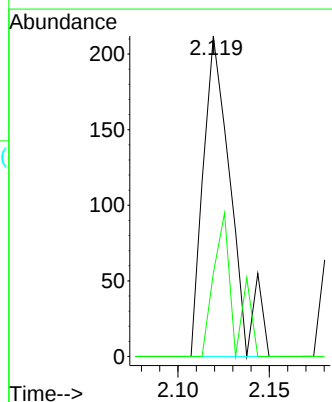
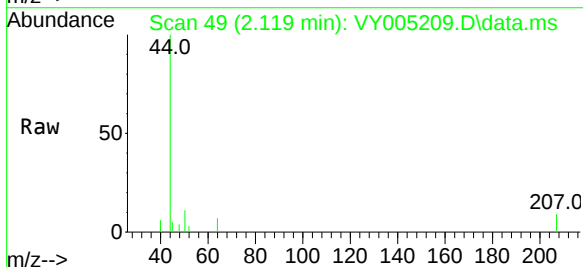
Instrument :
MSVOA_Y
ClientSampled :

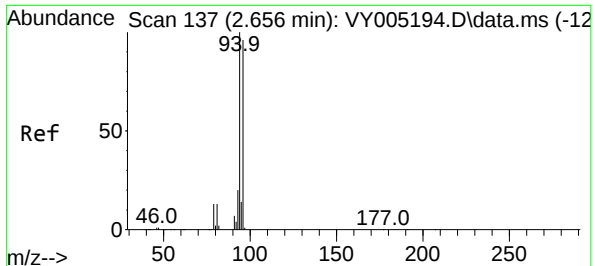
Tgt Ion:168 Resp: 18167
Ion Ratio Lower Upper
168 100
99 46.9 36.2 54.4



#3
Chloromethane
Concen: 1.421 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 25.9 27.4 41.2#

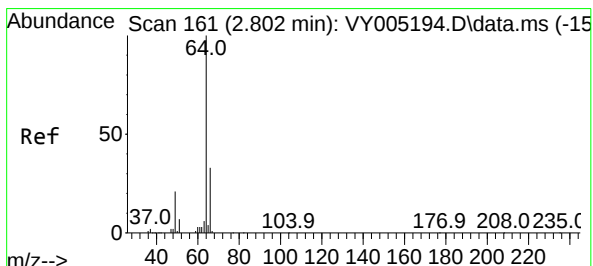
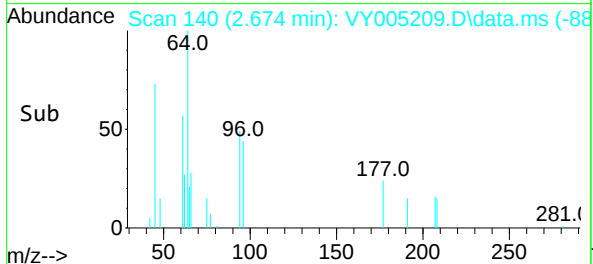
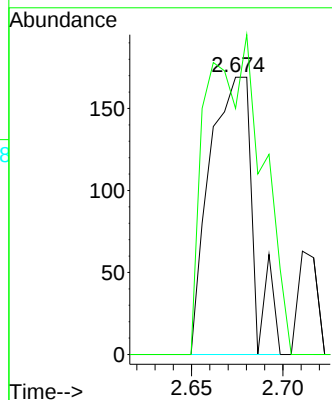
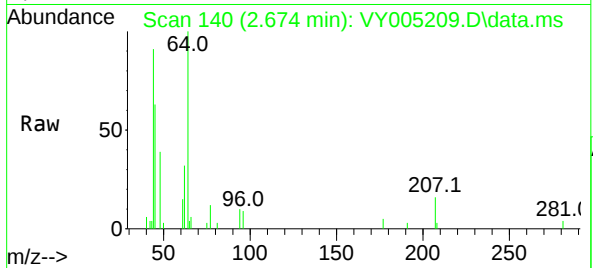




#5
Bromomethane
Concen: 2.427 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

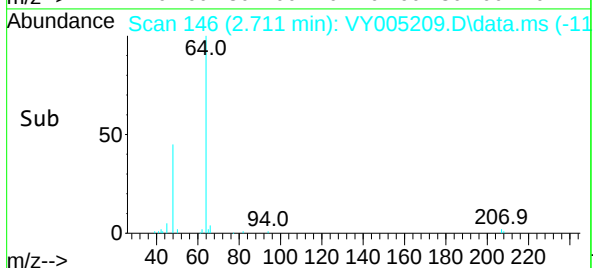
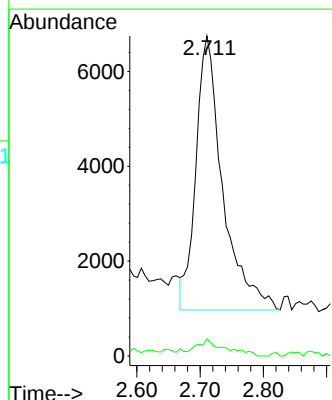
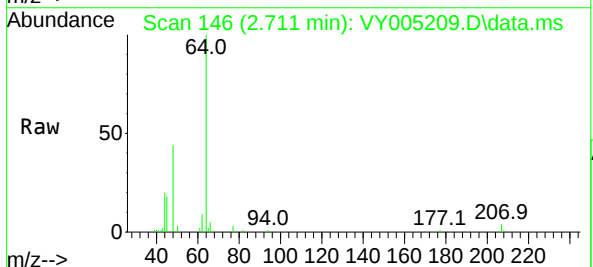
Instrument :
MSVOA_Y
ClientSampleId :

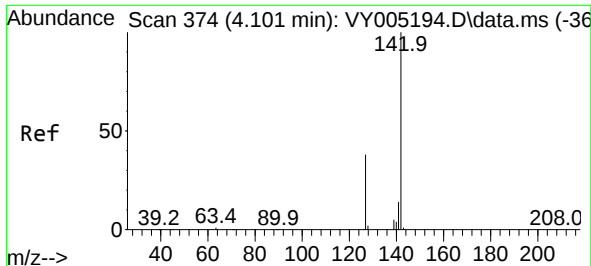
Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 88.8 76.9 115.3



#6
Chloroethane
Concen: 142.773 ug/l
RT: 2.711 min Scan# 146
Delta R.T. -0.091 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

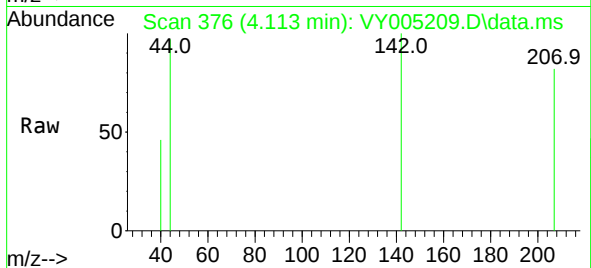
Tgt Ion: 64 Resp: 16983
Ion Ratio Lower Upper
64 100
66 6.3 25.9 38.9#



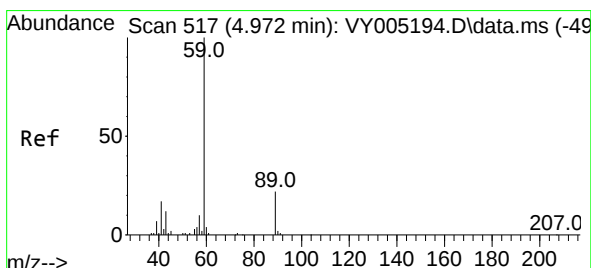
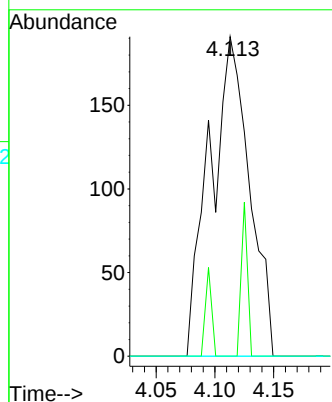
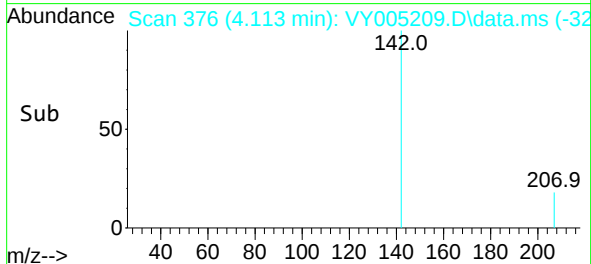


#10
Methyl Iodide
Concen: 2.120 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

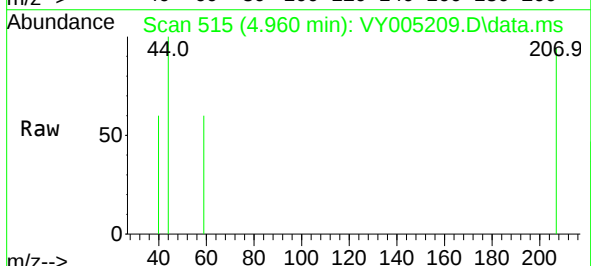
Instrument :
MSVOA_Y
ClientSampled :



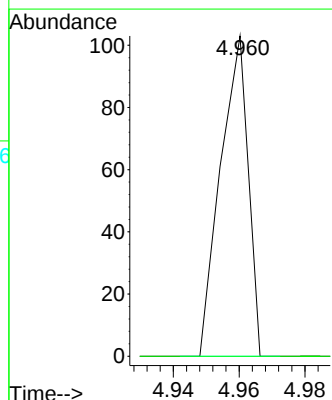
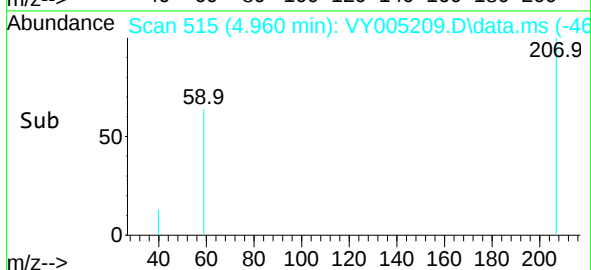
Tgt Ion:142 Resp: 449
Ion Ratio Lower Upper
142 100
127 7.6 31.3 46.9#
141 0.0 11.3 16.9#

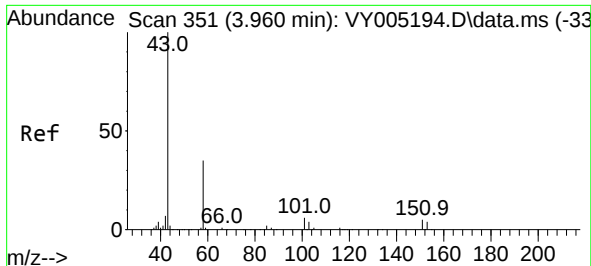


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28



Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

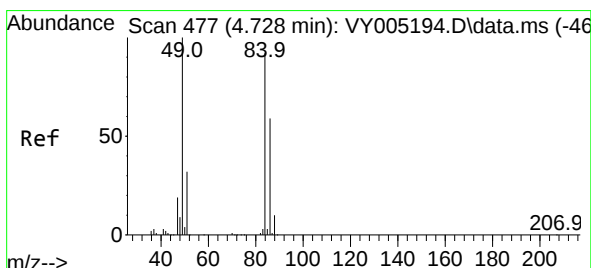
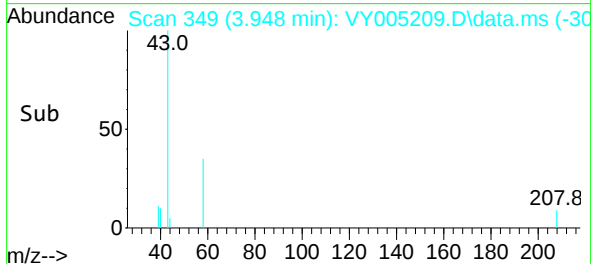
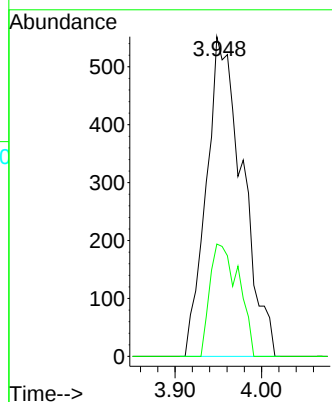
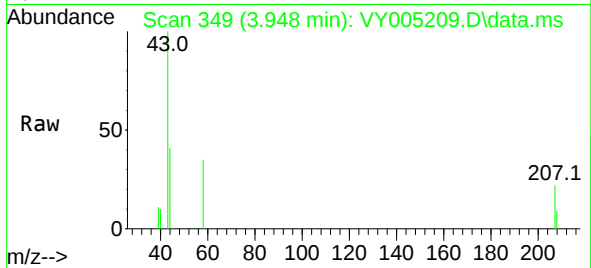




#16
Acetone
Concen: 45.912 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

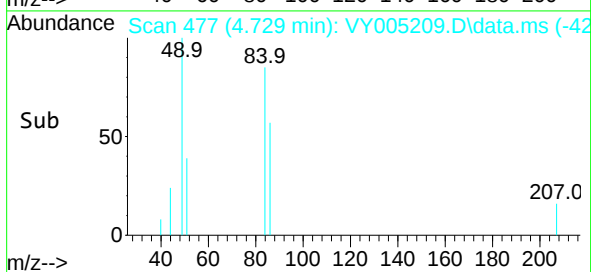
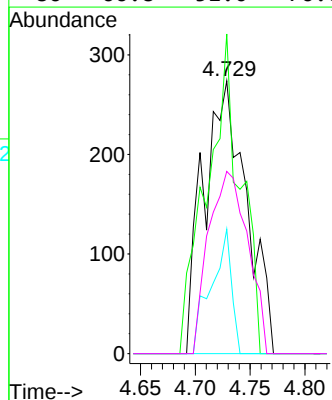
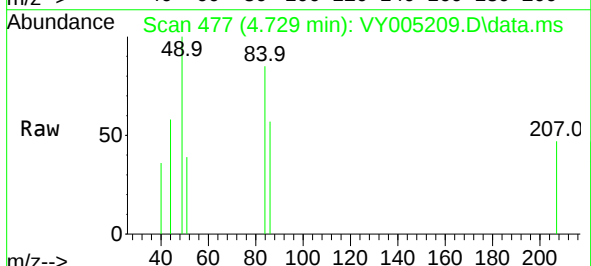
Instrument :
MSVOA_Y
ClientSampled :

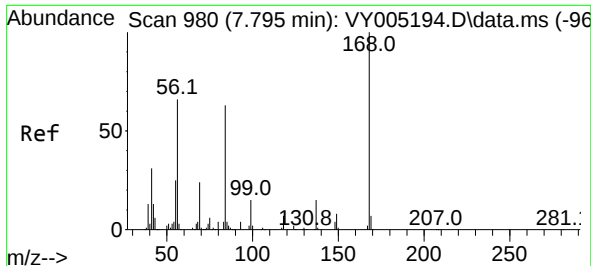
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

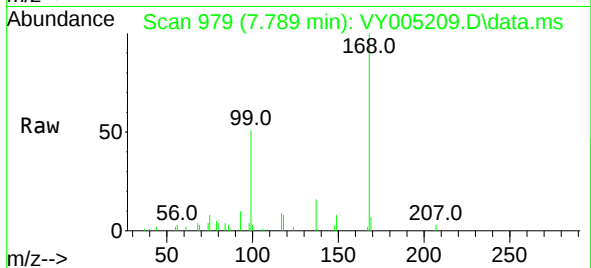
Tgt Ion: 84 Resp: 744
Ion Ratio Lower Upper
84 100
49 117.2 86.9 130.3
51 45.6 27.4 41.2#
86 66.8 51.0 76.6



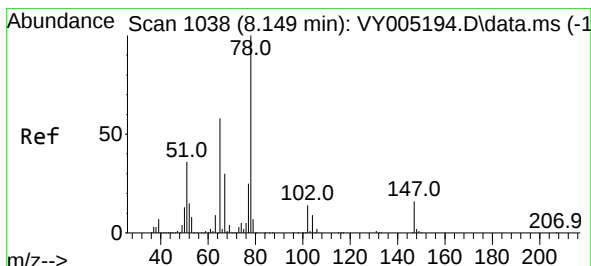
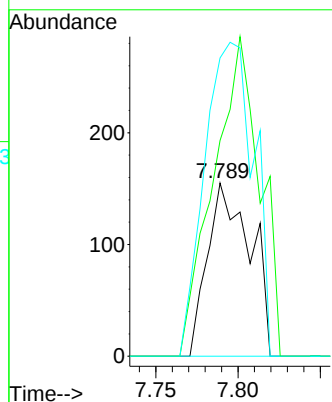
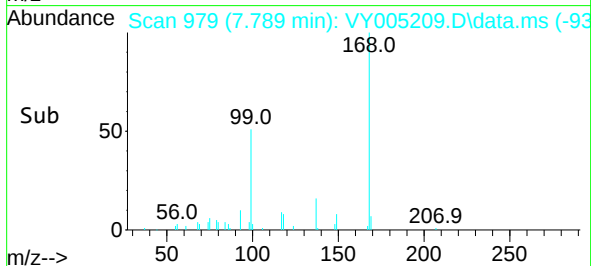


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

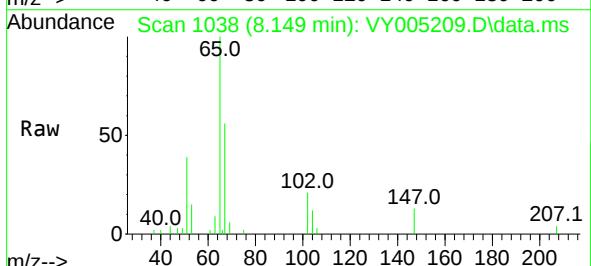
Instrument :
MSVOA_Y
ClientSampleId :



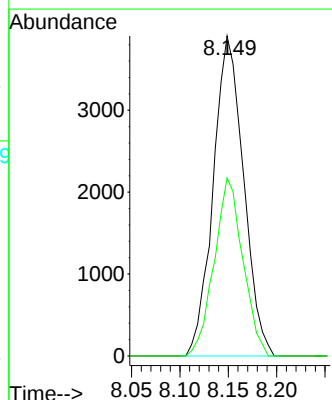
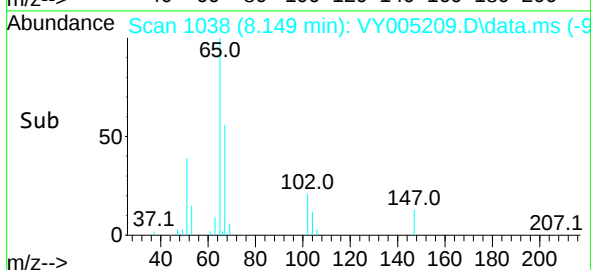
Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
69 124.5 29.6 44.4#
84 172.3 76.4 114.6#

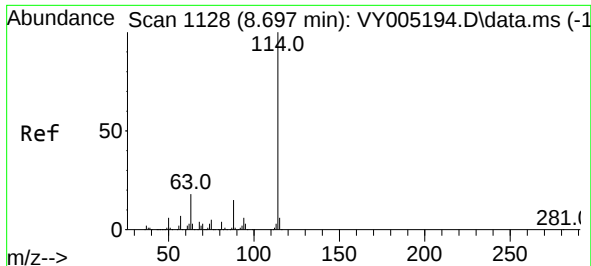


#33
1,2-Dichloroethane-d4
Concen: 56.487 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28



Tgt Ion: 65 Resp: 8516
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.6

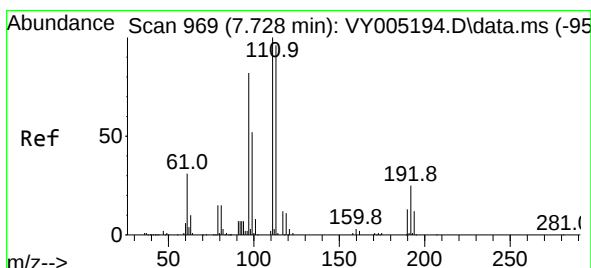
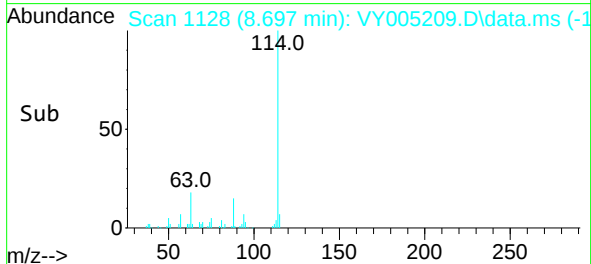
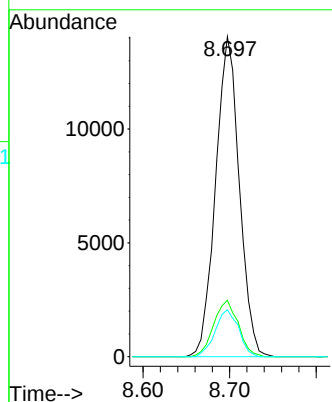
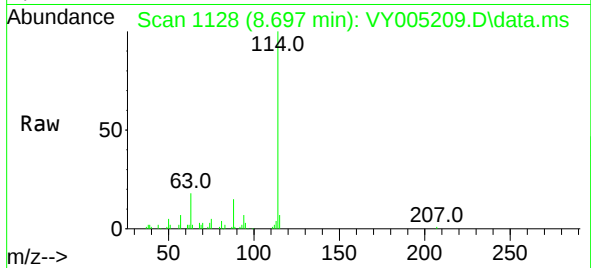




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

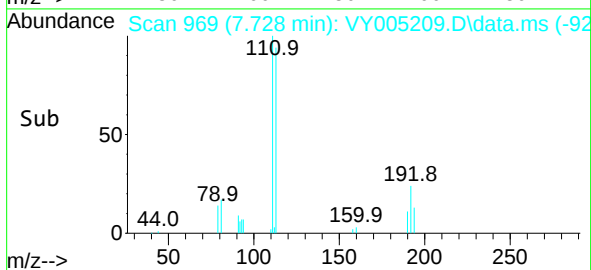
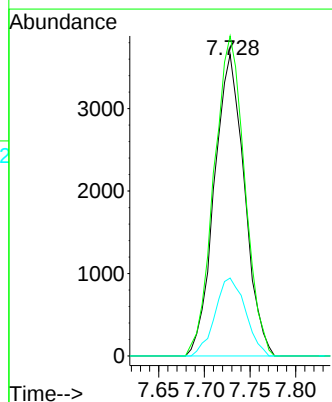
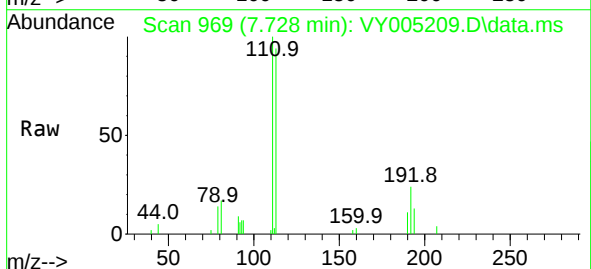
Instrument :
MSVOA_Y
ClientSampled :

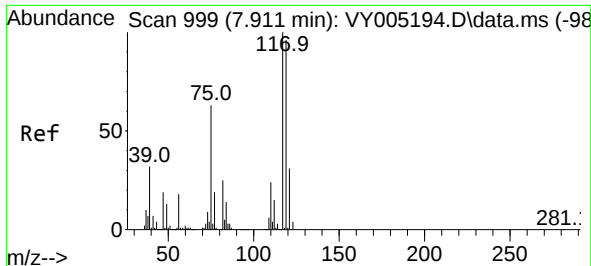
Tgt Ion:114 Resp: 26700
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 53.269 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

Tgt Ion:113 Resp: 8388
Ion Ratio Lower Upper
113 100
111 107.9 82.6 124.0
192 26.1 20.2 30.2

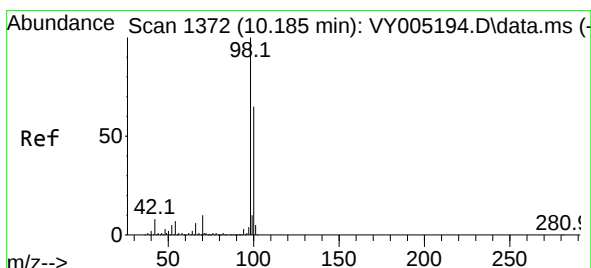
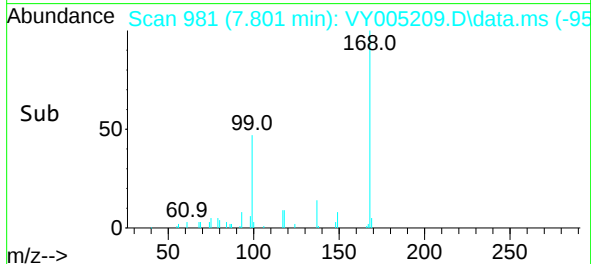
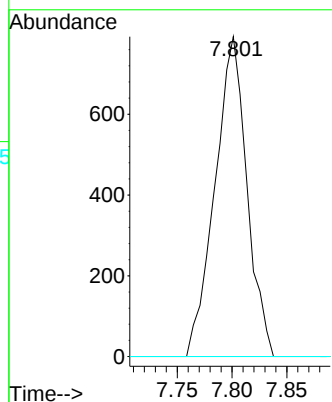
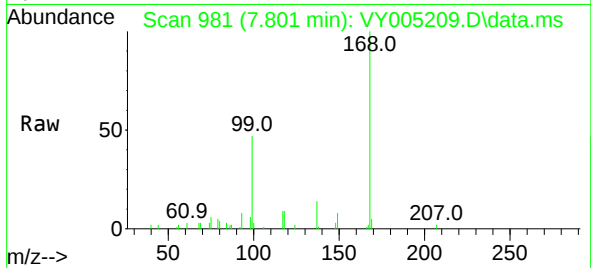




#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

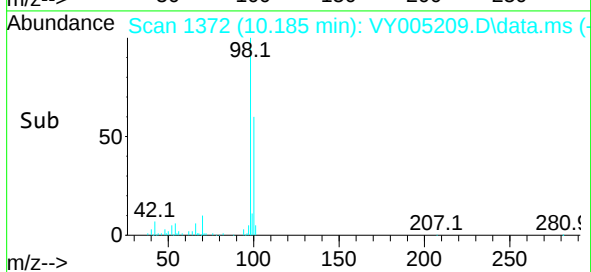
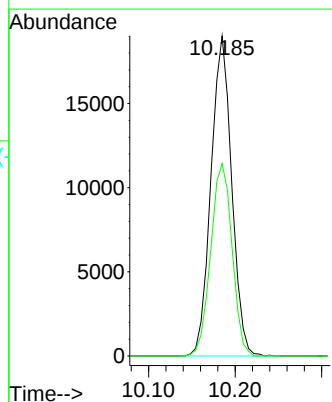
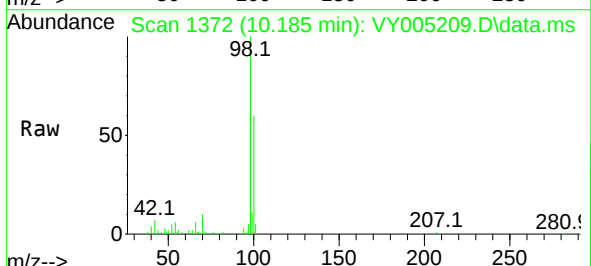
Instrument :
MSVOA_Y
ClientSampleId :

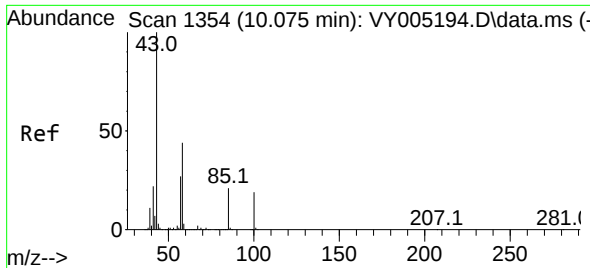
Tgt Ion:117 Resp: 1608
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.058 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

Tgt Ion: 98 Resp: 31522
Ion Ratio Lower Upper
98 100
100 61.8 51.9 77.9

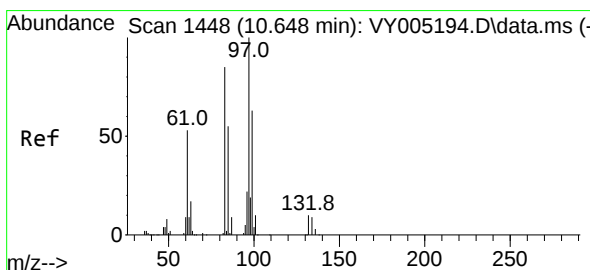
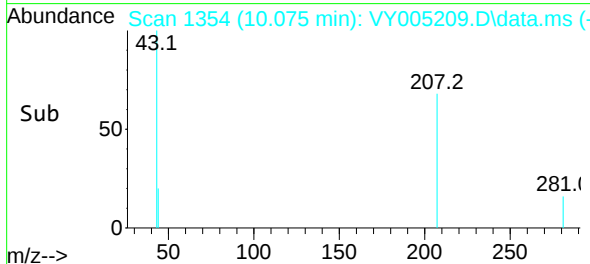
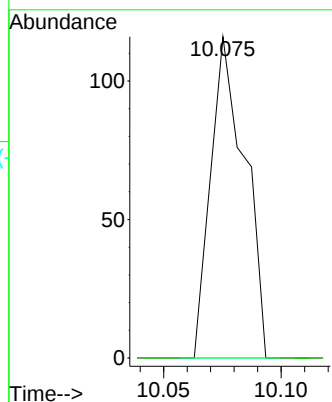
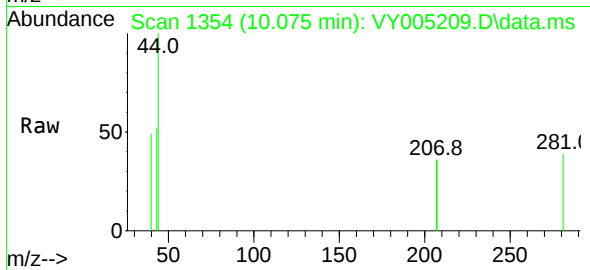




#51
4-Methyl-2-Pentanone
Concen: 1.003 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

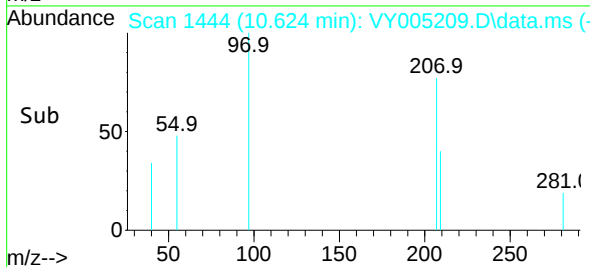
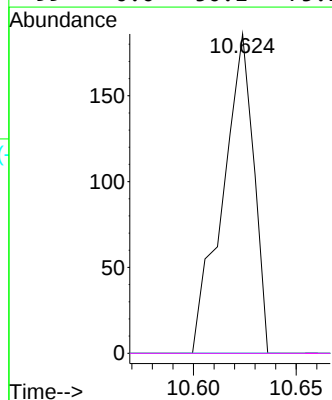
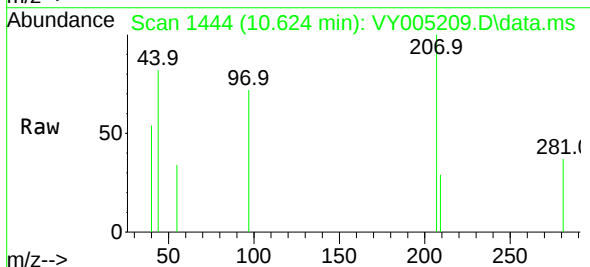
Instrument :
MSVOA_Y
ClientSampled :

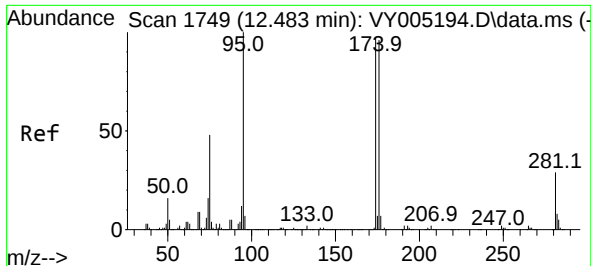
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 35.3 52.9#



#55
1,1,2-Trichloroethane
Concen: 1.391 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

Tgt Ion: 97 Resp: 196
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 43.7 65.5#
99 0.0 50.1 75.1#

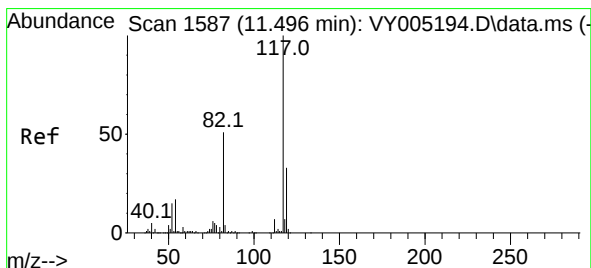
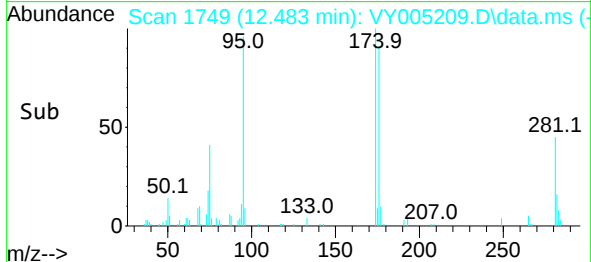
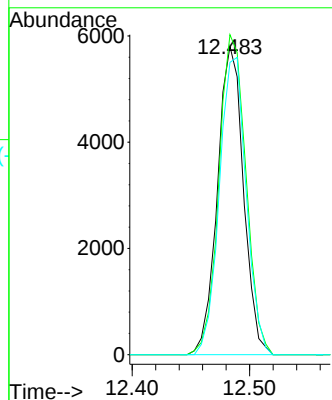
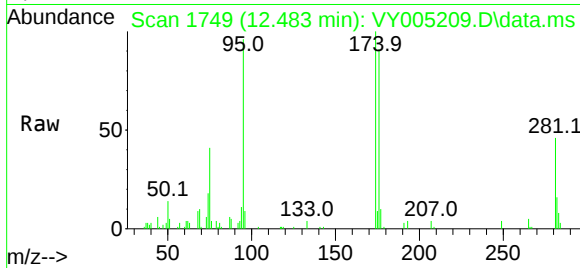




#62
4-Bromofluorobenzene
Concen: 42.585 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

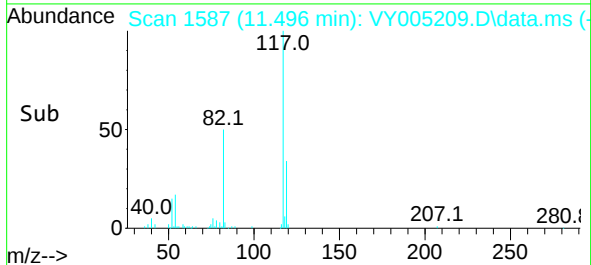
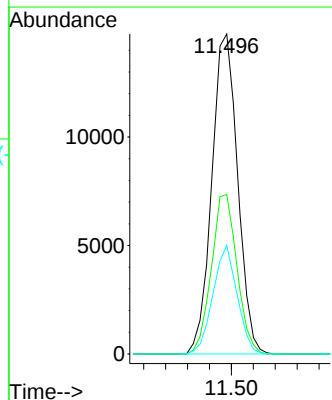
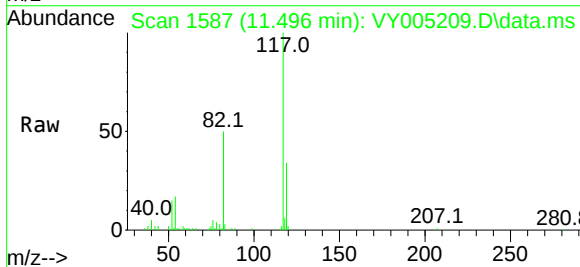
Instrument :
MSVOA_Y
ClientSampleId :

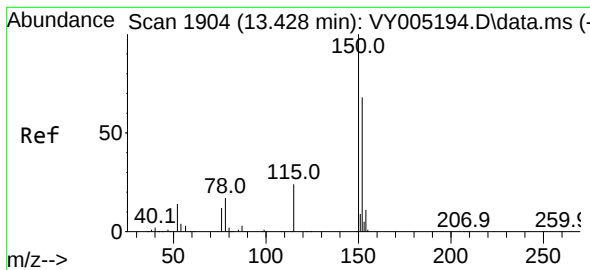
Tgt Ion: 95 Resp: 8936
Ion Ratio Lower Upper
95 100
174 107.5 0.0 201.6
176 99.3 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005209.D
Acq: 24 Jun 2021 14:28

Tgt Ion: 117 Resp: 24148
Ion Ratio Lower Upper
117 100
82 49.8 40.6 60.8
119 33.9 26.1 39.1

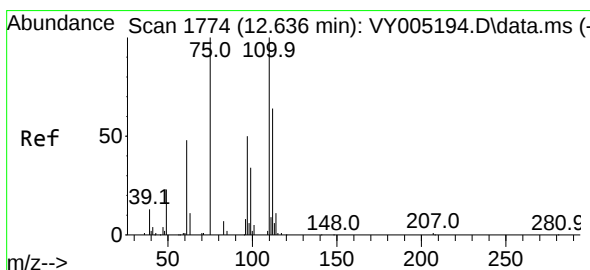
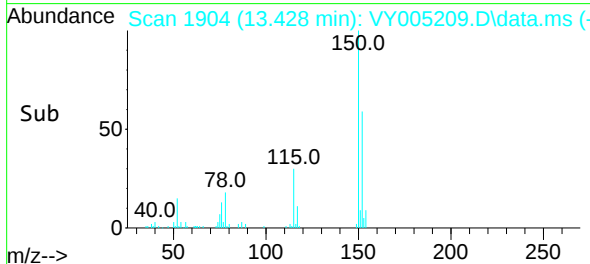
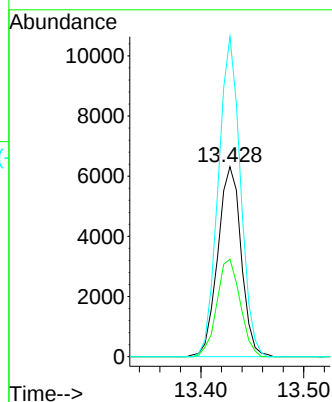
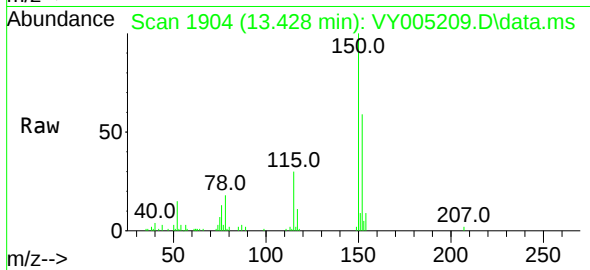




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005209.D
 Acq: 24 Jun 2021 14:28

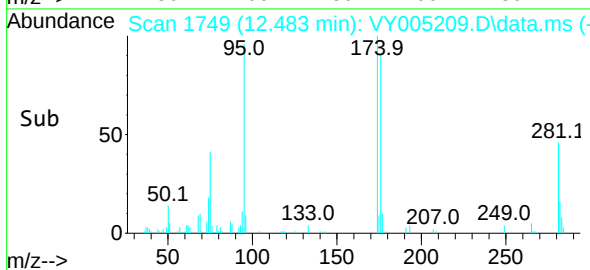
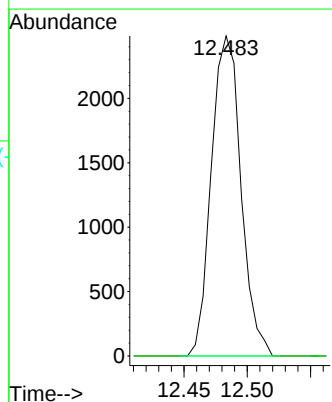
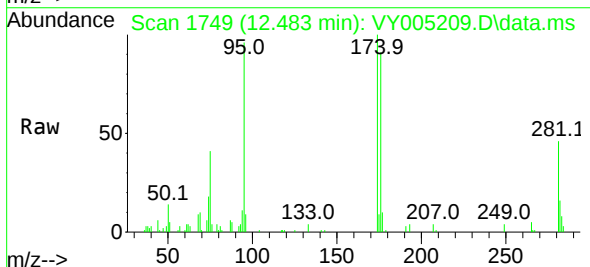
Instrument :
 MSVOA_Y
 ClientSampled :

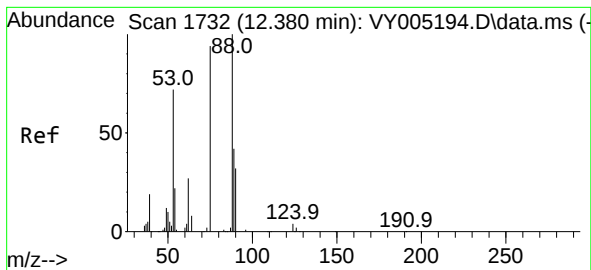
Tgt Ion:152 Resp: 9973
 Ion Ratio Lower Upper
 152 100
 115 51.1 26.3 78.8
 150 159.3 0.0 344.2



#76
 1,2,3-Trichloropropane
 Concen: 45.676 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005209.D
 Acq: 24 Jun 2021 14:28

Tgt Ion: 75 Resp: 4040
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.221 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY005209.D
 Acq: 24 Jun 2021 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 4040
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 38.0 57.0#

