

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014263.D
 Acq On : 20 Jun 2023 06:12
 Operator : KP/MD
 Sample : 03289-19
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07-0-2.0

Quant Time: Jun 20 11:24:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

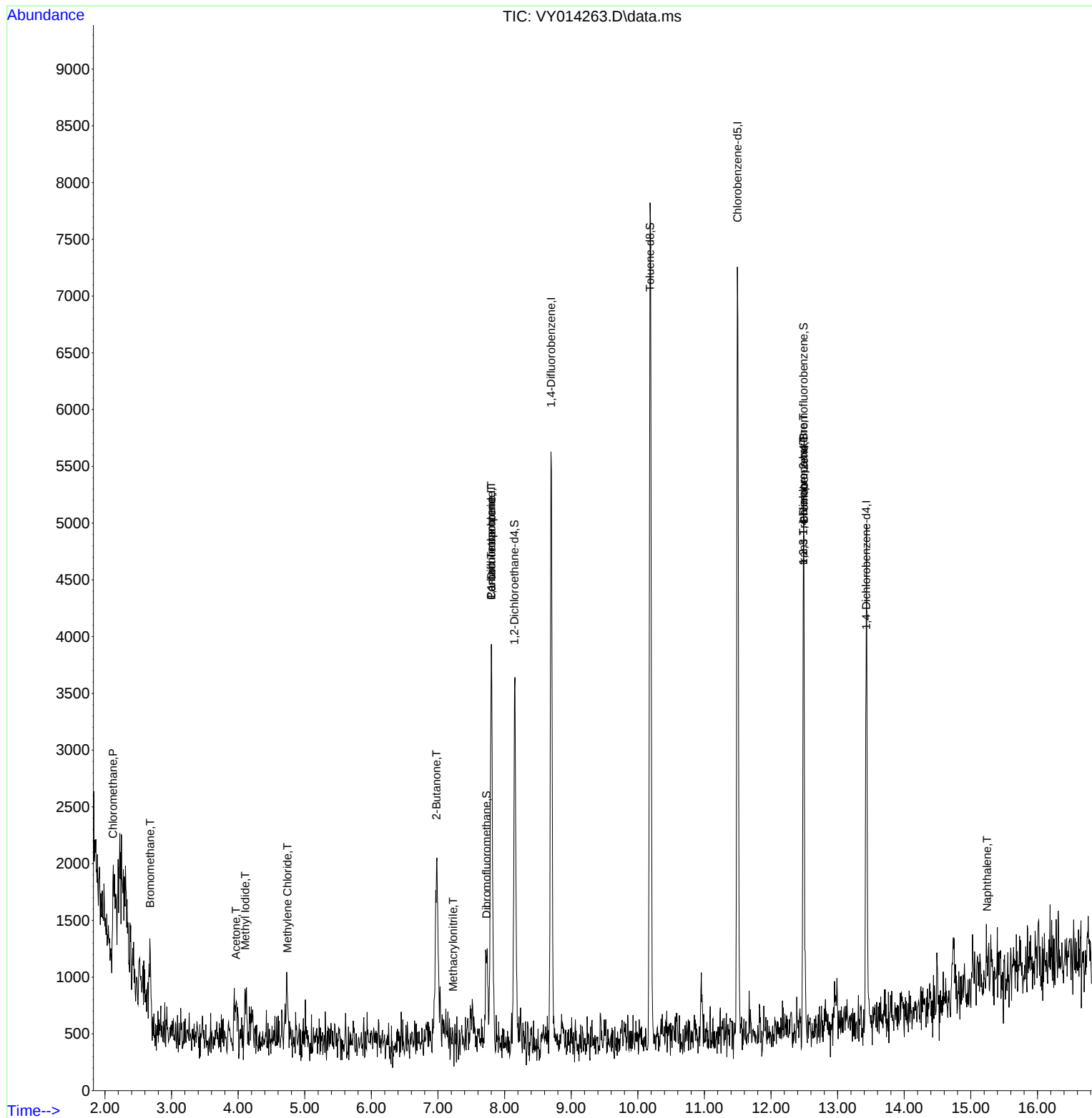
Internal Standards						
1) Pentafluorobenzene	7.801	168	3078	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	4812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2538	59.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.420%	
35) Dibromofluoromethane	7.728	113	869	25.465	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 50.920%#	
50) Toluene-d8	10.185	98	5406	42.373	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.740%	
62) 4-Bromofluorobenzene	12.489	95	1477	32.590	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 65.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	136	3.127	ug/l #	40
5) Bromomethane	2.680	94	356	10.203	ug/l #	65
10) Methyl Iodide	4.107	142	705	15.398	ug/l #	78
16) Acetone	3.966	43	567	43.886	ug/l #	46
20) Methylene Chloride	4.741	84	353	5.357	ug/l #	45
25) 2-Butanone	6.978	43	27	1.698	ug/l #	49
36) 1,1-Dichloropropene	7.801	75	326	6.128	ug/l #	54
38) Carbon Tetrachloride	7.801	117	266	4.333	ug/l #	12
41) Methacrylonitrile	7.228	41	22	1.174	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	760	46.678	ug/l #	100
77) Bromobenzene	12.495	156	105	4.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	760	100.901	ug/l #	10
95) Naphthalene	15.245	128	238	4.338	ug/l #	69

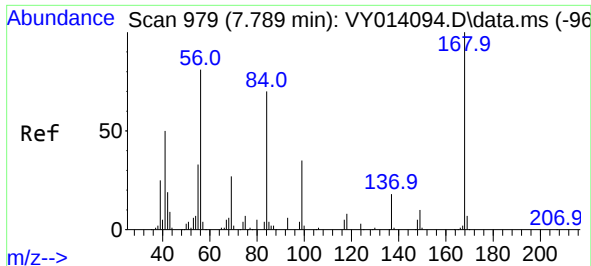
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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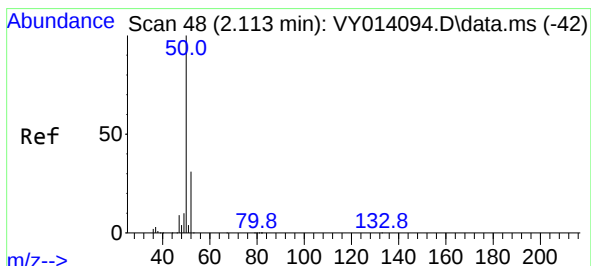
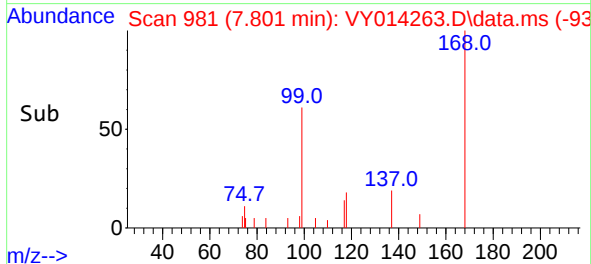
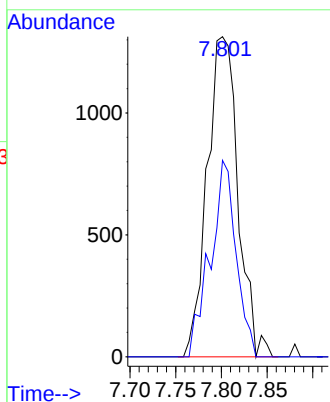
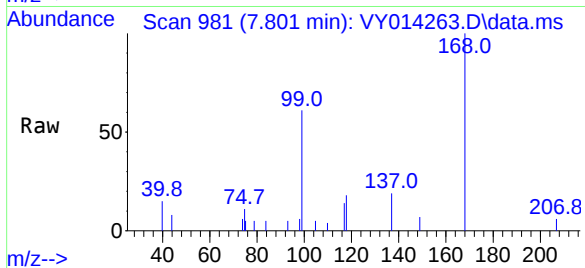




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

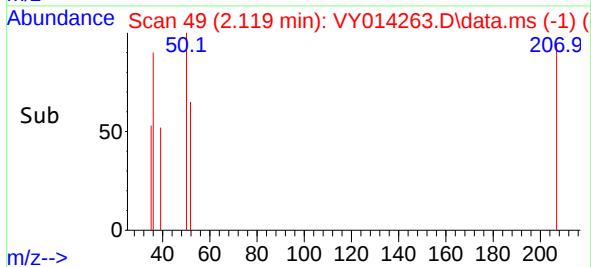
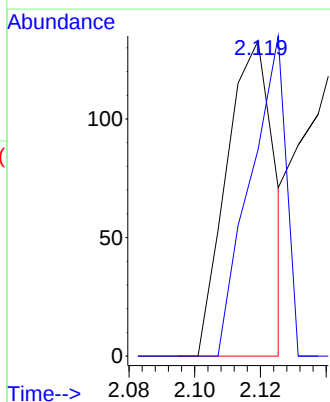
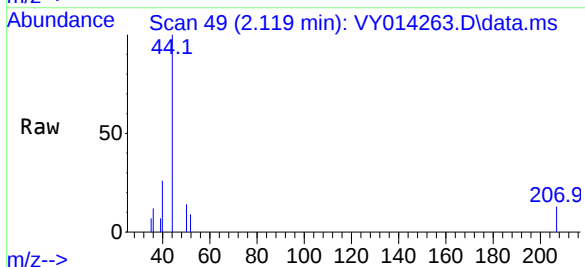
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

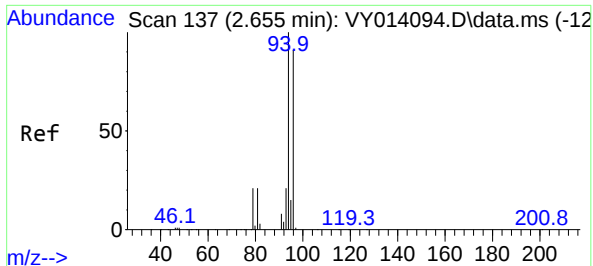
Tgt Ion:168 Resp: 3078
Ion Ratio Lower Upper
168 100
99 61.4 43.4 65.0



#3
Chloromethane
Concen: 3.127 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 50 Resp: 136
Ion Ratio Lower Upper
50 100
52 65.4 25.4 38.2#

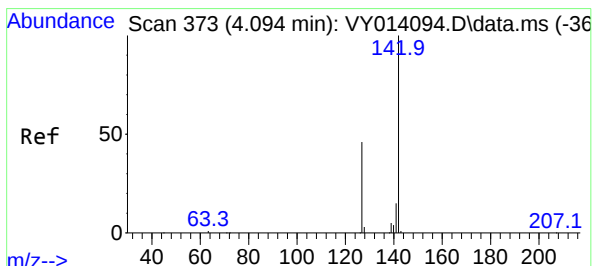
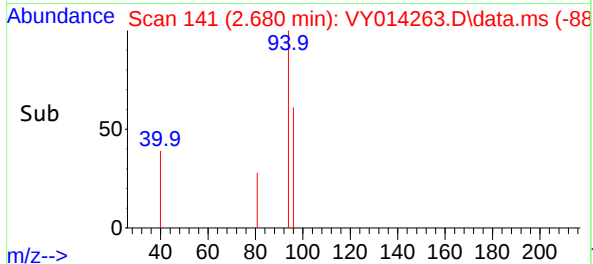
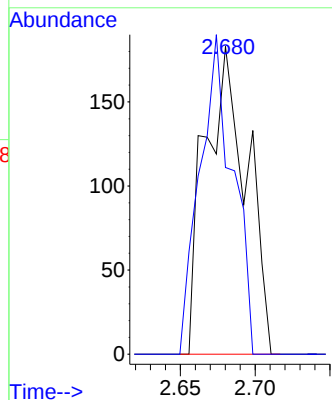
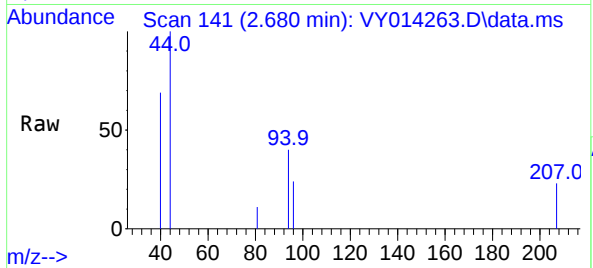




#5
Bromomethane
Concen: 10.203 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.025 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

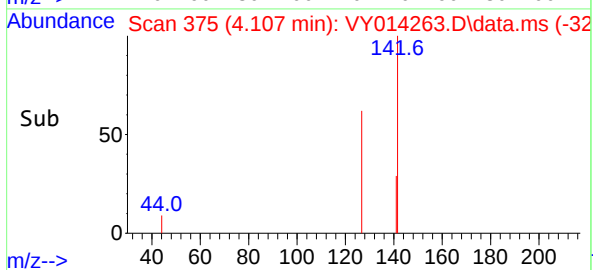
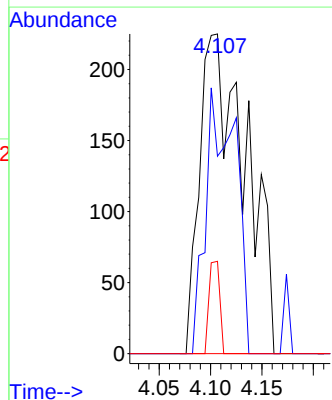
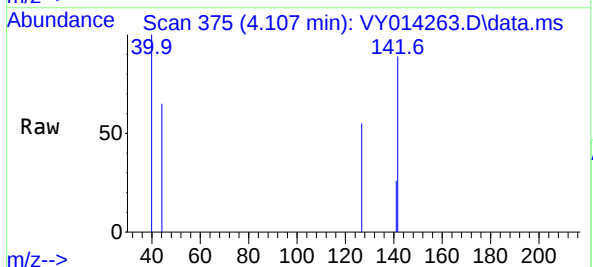
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

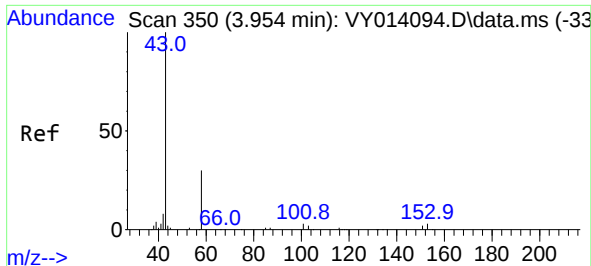
Tgt Ion: 94 Resp: 356
Ion Ratio Lower Upper
94 100
96 60.7 75.8 113.6#



#10
Methyl Iodide
Concen: 15.398 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 142 Resp: 705
Ion Ratio Lower Upper
142 100
127 31.8 37.6 56.4#
141 6.7 11.8 17.8#

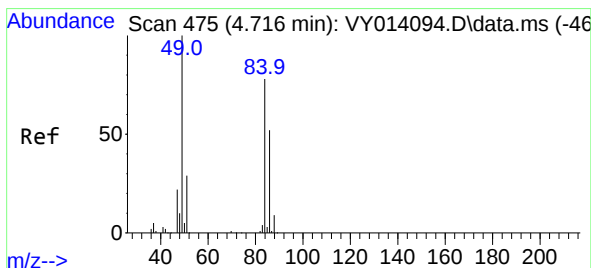
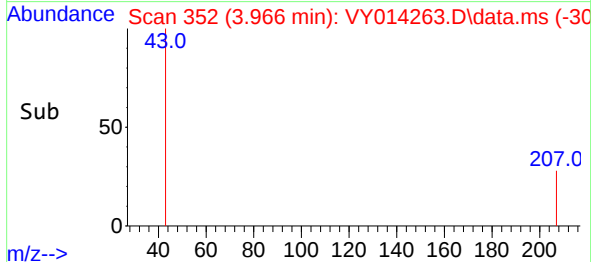
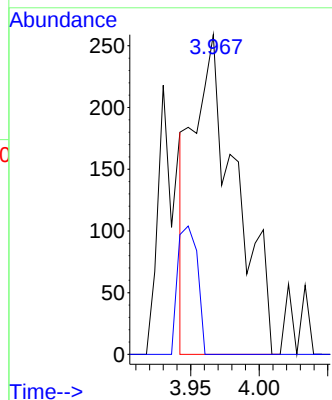
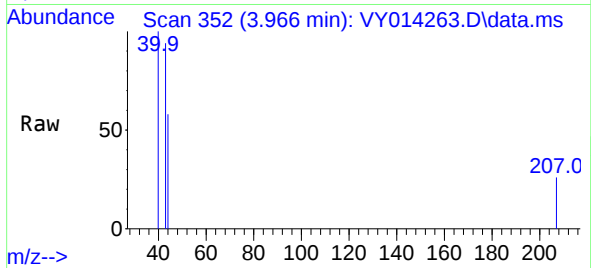




#16
Acetone
Concen: 43.886 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

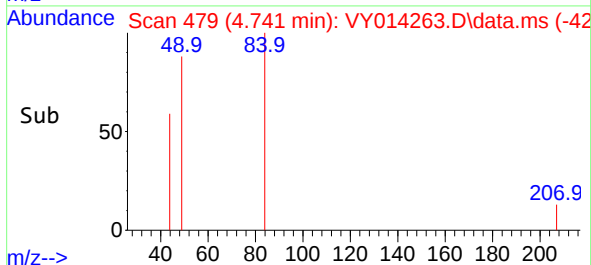
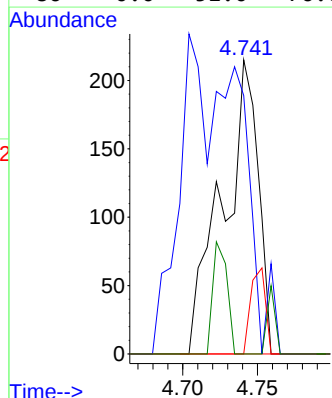
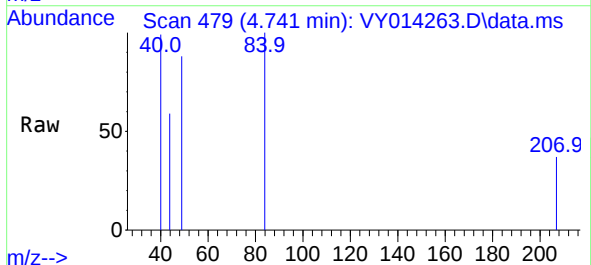
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

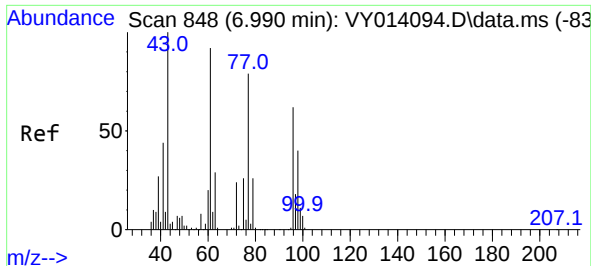
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 5.357 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.025 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 84 Resp: 353
Ion Ratio Lower Upper
84 100
49 87.9 106.9 160.3#
51 0.0 33.2 49.8#
86 0.0 51.0 76.6#





#25

2-Butanone

Concen: 1.698 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014263.D

Acq: 20 Jun 2023 06:12

Instrument :

MSVOA_Y

ClientSampleId :

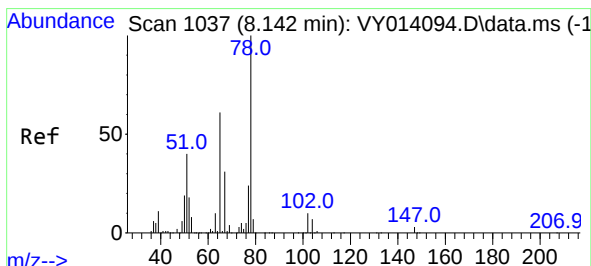
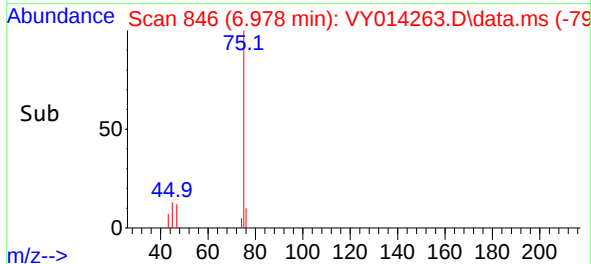
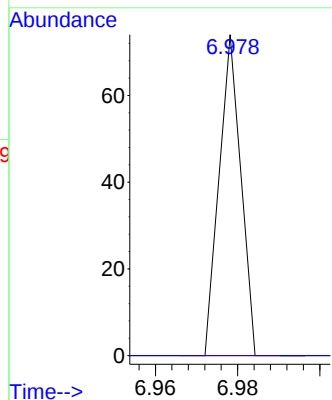
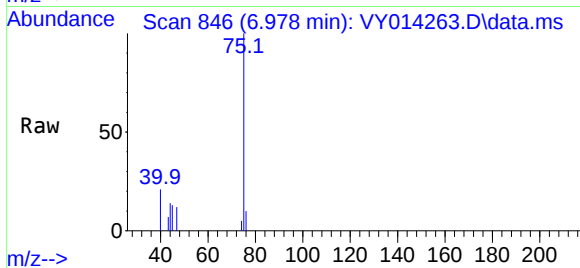
SB-07-0-2.0

Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 59.214 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.007 min

Lab File: VY014263.D

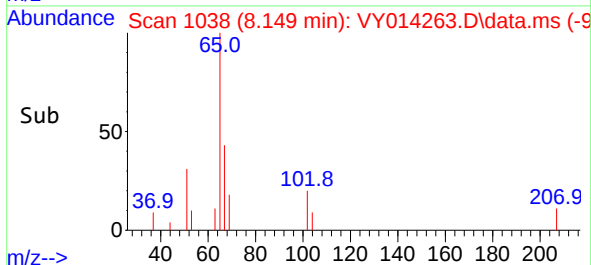
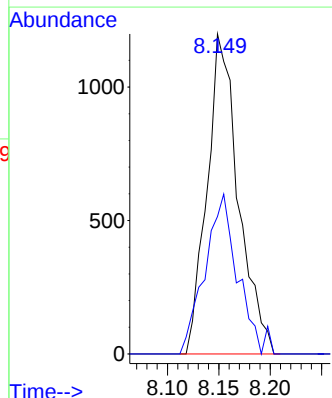
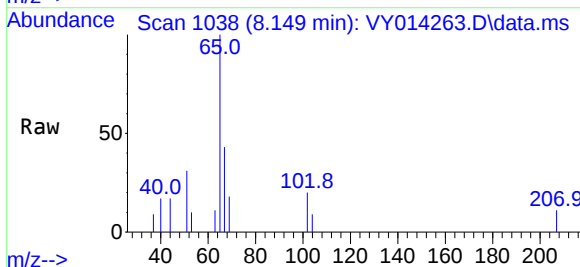
Acq: 20 Jun 2023 06:12

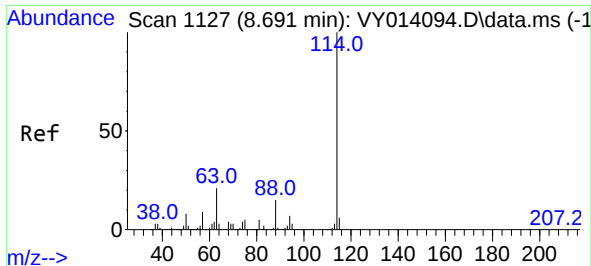
Tgt Ion: 65 Resp: 2538

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014263.D

Acq: 20 Jun 2023 06:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-07-0-2.0

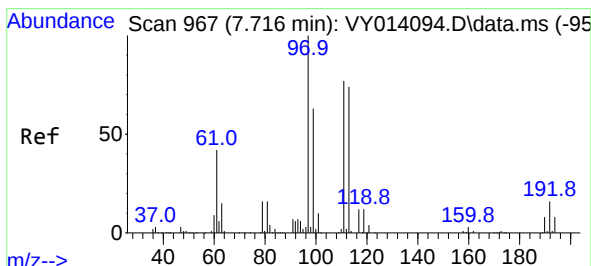
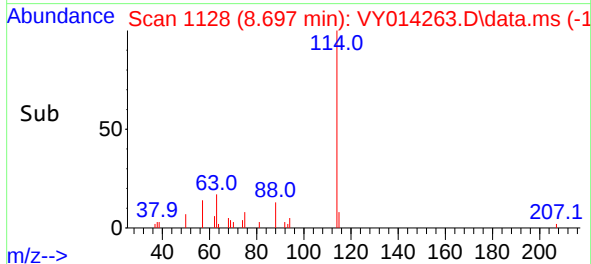
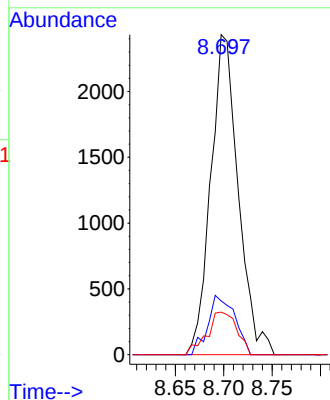
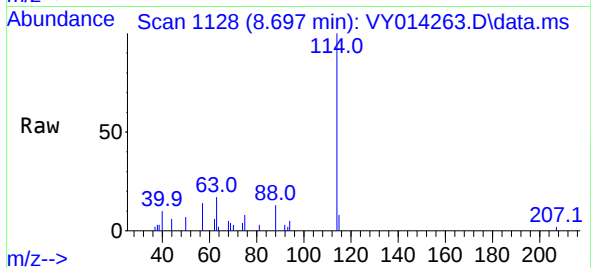
Tgt Ion:114 Resp: 4812

Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.4

88 13.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 25.465 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014263.D

Acq: 20 Jun 2023 06:12

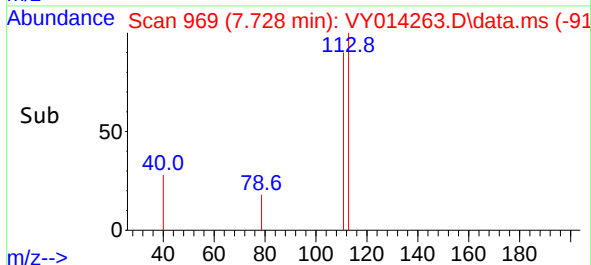
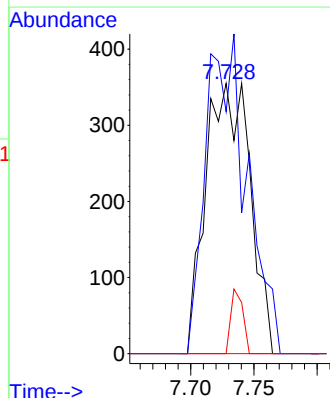
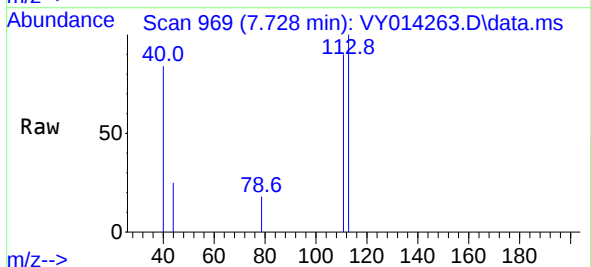
Tgt Ion:113 Resp: 869

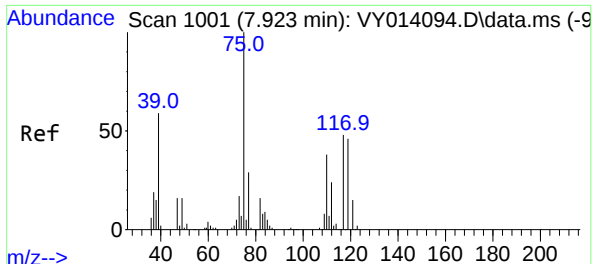
Ion Ratio Lower Upper

113 100

111 108.9 81.3 121.9

192 6.4 16.9 25.3#

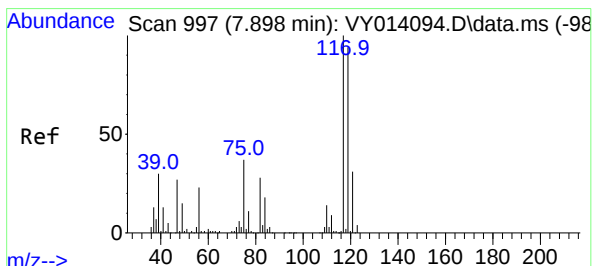
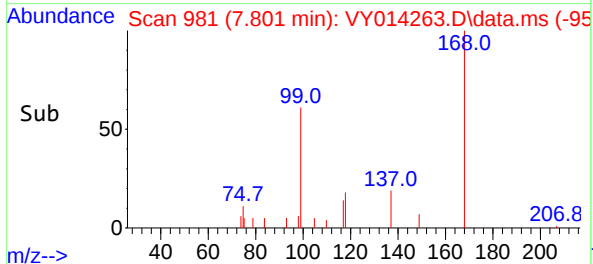
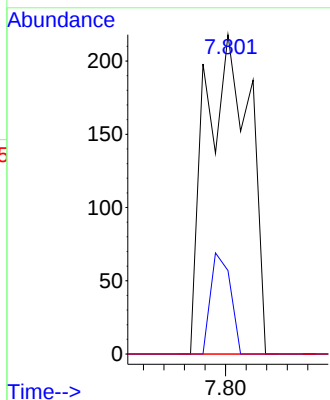
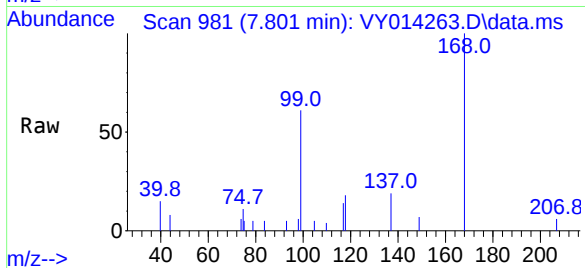




#36
1,1-Dichloropropene
Concen: 6.128 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

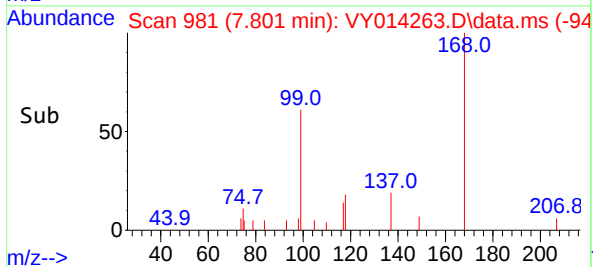
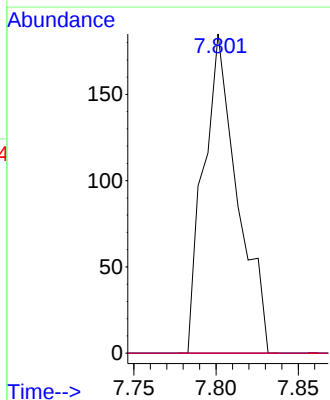
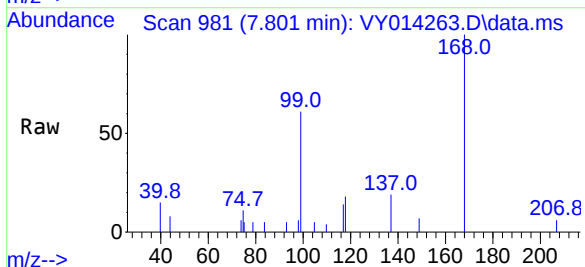
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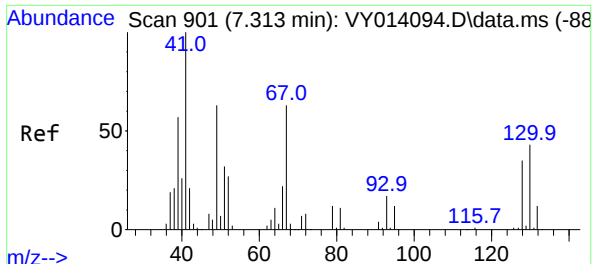
Tgt Ion: 75	Resp:	326
Ion	Ratio	Lower Upper
75	100	
110	14.1	17.8 53.5#
77	0.0	24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.333 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 117	Resp:	266
Ion	Ratio	Lower Upper
117	100	
119	0.0	76.4 114.6#
121	0.0	25.8 38.6#

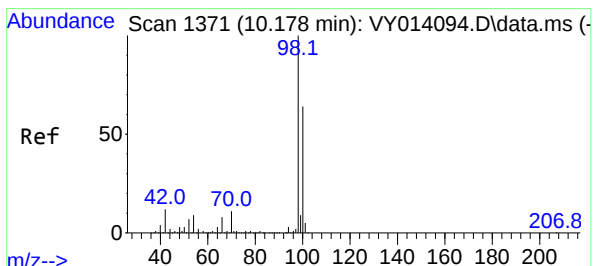
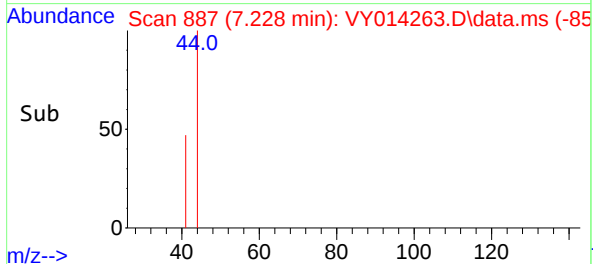
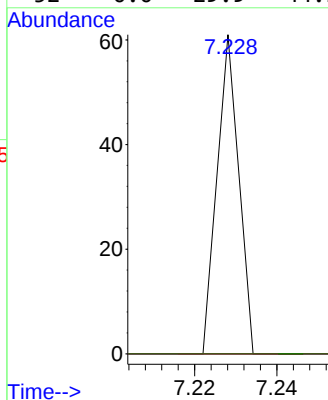
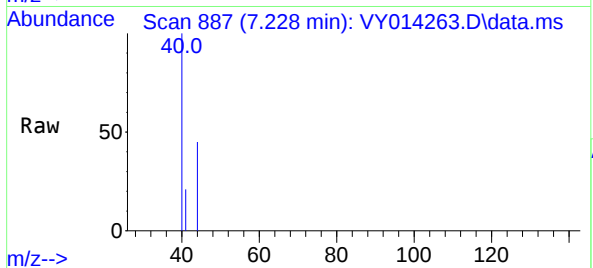




#41
Methacrylonitrile
Concen: 1.174 ug/l
RT: 7.228 min Scan# 81
Delta R.T. -0.085 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

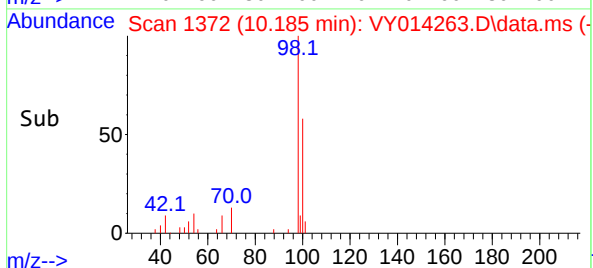
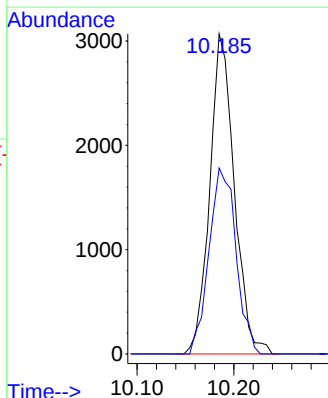
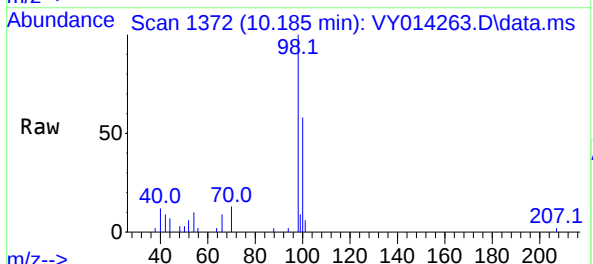
Instrument :
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SB-07-0-2.0

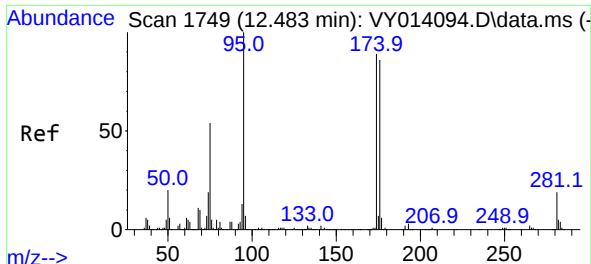
Tgt Ion:	41	Resp:	22
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 42.373 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion:	98	Resp:	5406
Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.1	75.1

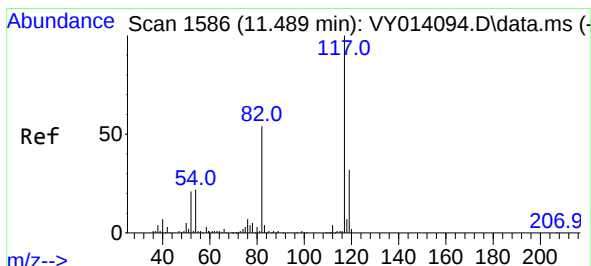
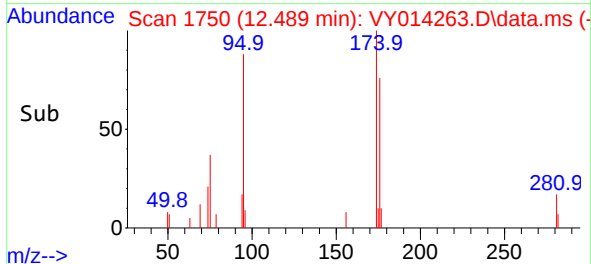
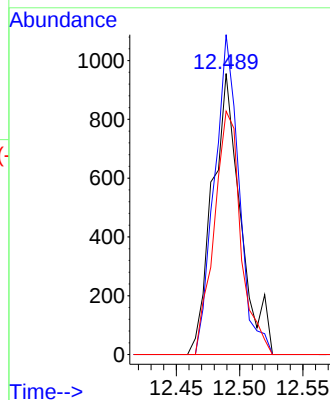
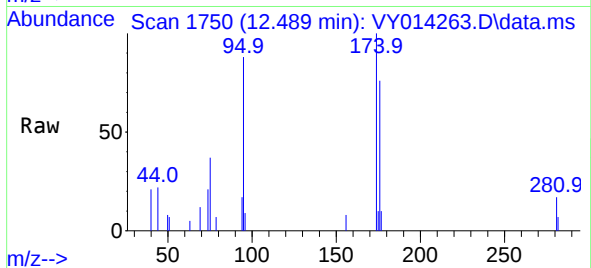




#62
4-Bromofluorobenzene
Concen: 32.590 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

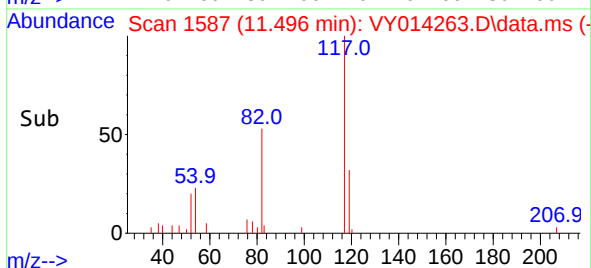
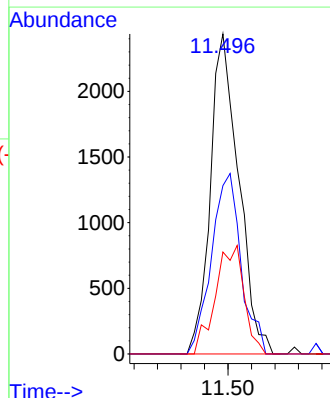
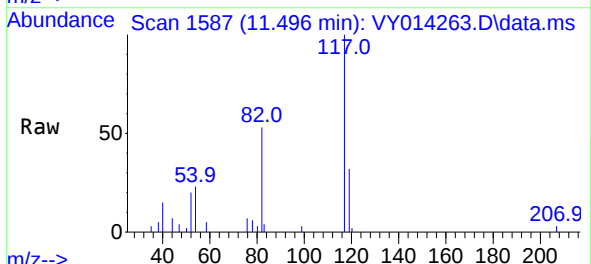
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

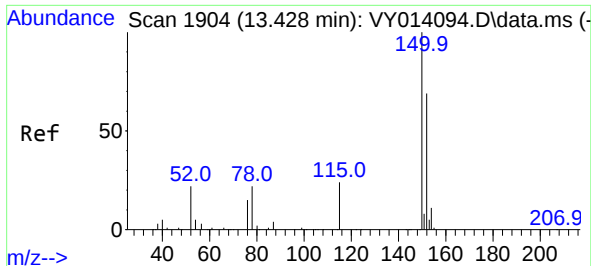
Tgt Ion: 95 Resp: 1477
Ion Ratio Lower Upper
95 100
174 99.6 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 117 Resp: 4076
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 31.8 26.3 39.5

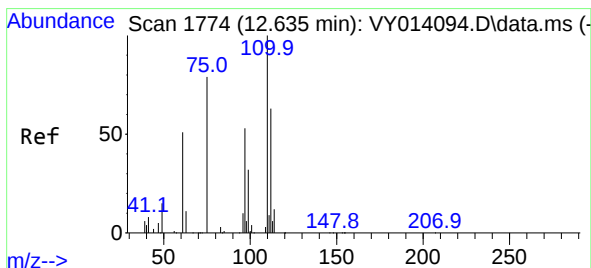
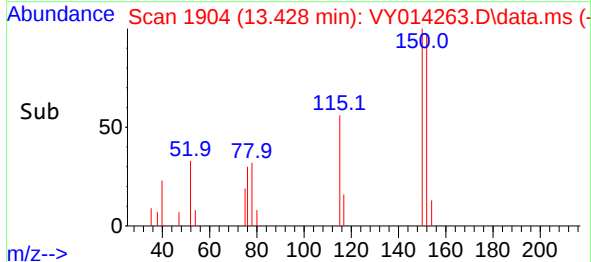
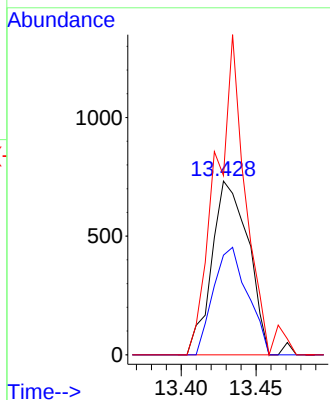
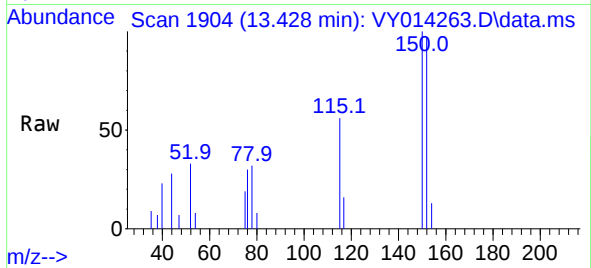




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

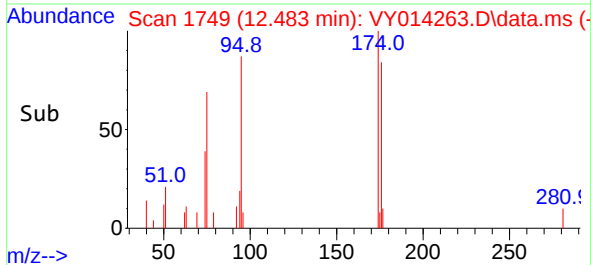
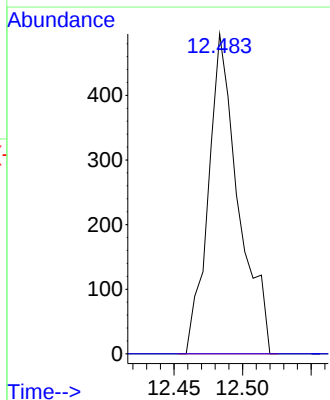
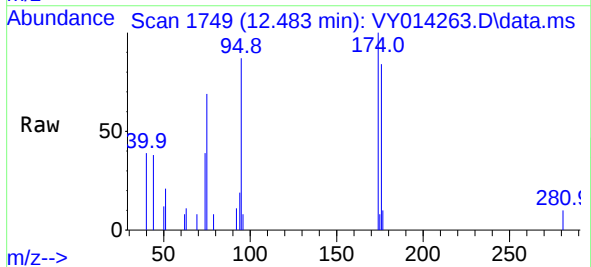
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

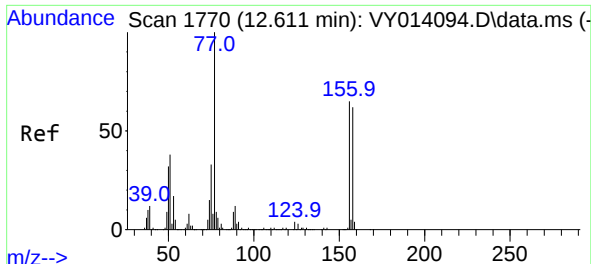
Tgt Ion:152 Resp: 1241
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 152.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 46.678 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Tgt Ion: 75 Resp: 760
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

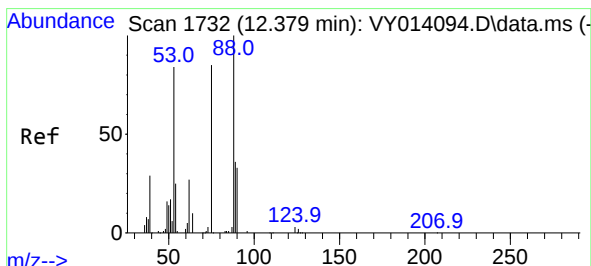
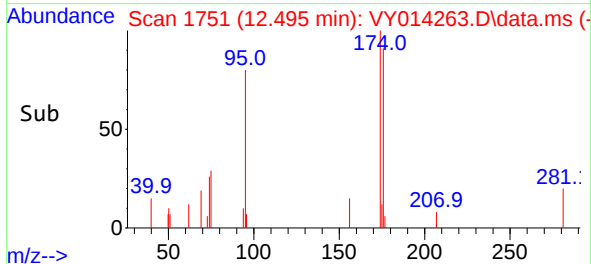
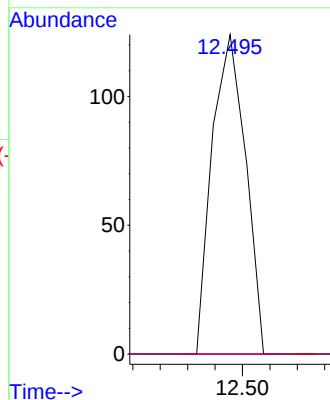
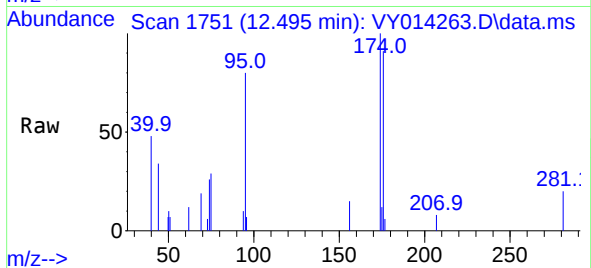




#77
Bromobenzene
Concen: 4.220 ug/l
RT: 12.495 min Scan# 1749
Delta R.T. -0.116 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

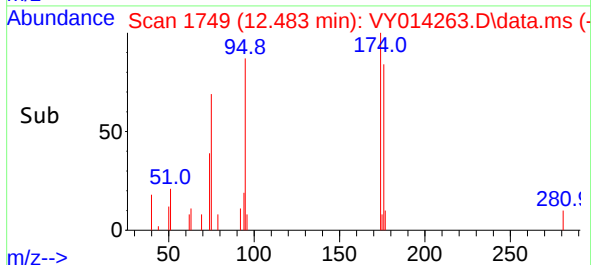
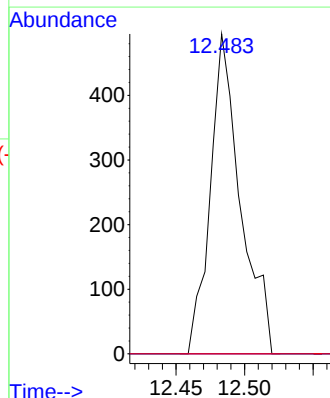
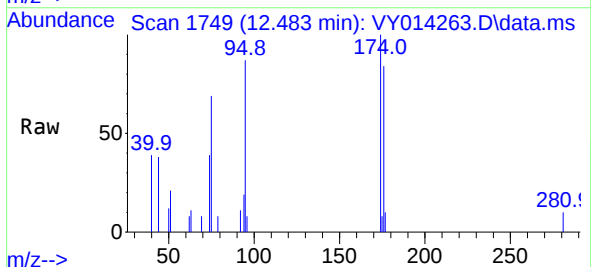
Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0

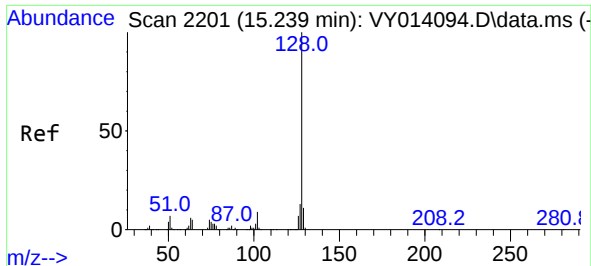
Tgt Ion:156 Resp: 105
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.0 48.4 145.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.901 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

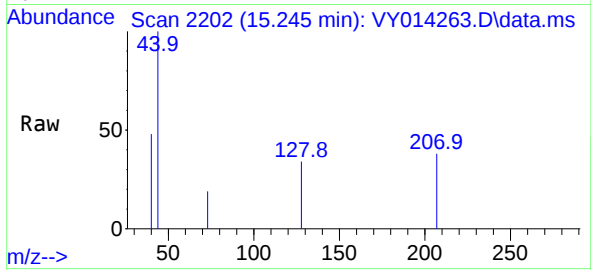
Tgt Ion: 75 Resp: 760
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 4.338 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY014263.D
Acq: 20 Jun 2023 06:12

Instrument :
MSVOA_Y
ClientSampleId :
SB-07-0-2.0



Tgt Ion:	128	Resp:	238
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

