

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032822\
 Data File : VY008069.D
 Acq On : 28 Mar 2022 17:04
 Operator : SY/MD
 Sample : N2095-08RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-9.0-10.0RE

Quant Time: Mar 29 02:27:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

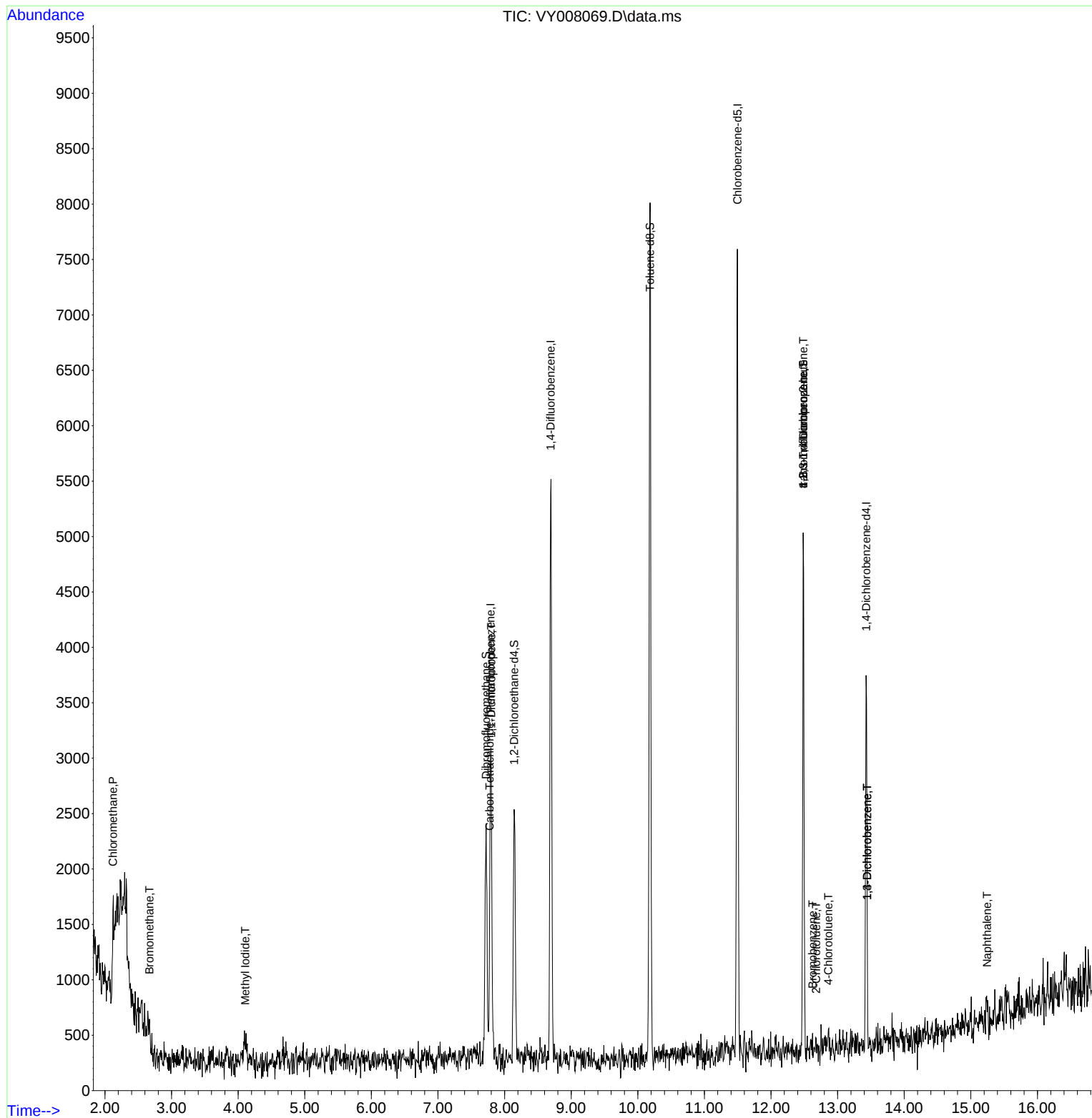
Internal Standards						
1) Pentafluorobenzene	7.789	168	2808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1928	68.435	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.880%	
35) Dibromofluoromethane	7.722	113	1636	50.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.760%	
50) Toluene-d8	10.185	98	5740	46.920	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.840%	
62) 4-Bromofluorobenzene	12.483	95	1587	36.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.540%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	112	3.634	ug/l #	44
5) Bromomethane	2.668	94	148	4.403	ug/l #	53
10) Methyl Iodide	4.107	142	471	13.802	ug/l #	40
20) Methylene Chloride	4.716	84	29	Below Cal	#	33
36) 1,1-Dichloropropene	7.801	75	80	1.568	ug/l #	42
38) Carbon Tetrachloride	7.777	117	196	3.526	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	790	63.975	ug/l #	100
77) Bromobenzene	12.624	156	23	1.199	ug/l #	1
79) 2-Chlorotoluene	12.678	91	64	1.170	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.483	75	790	142.739	ug/l #	7
82) 4-Chlorotoluene	12.861	91	84	1.496	ug/l #	41
87) 1,3-Dichlorobenzene	13.447	146	89	2.340	ug/l #	25
88) 1,4-Dichlorobenzene	13.447	146	89	2.347	ug/l #	25
95) Naphthalene	15.245	128	237	5.347	ug/l #	69

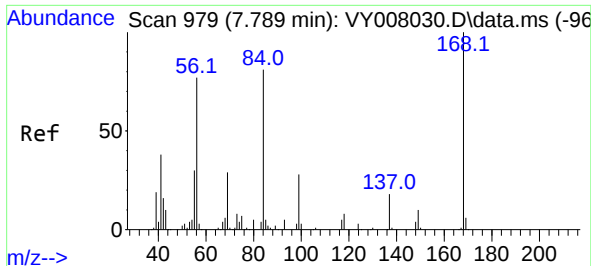
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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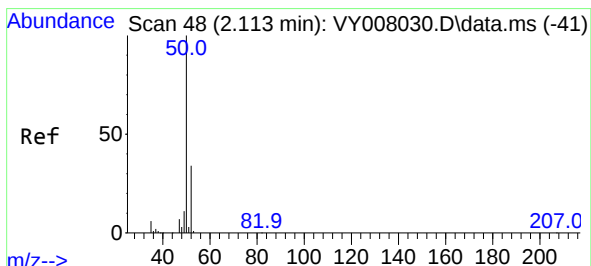
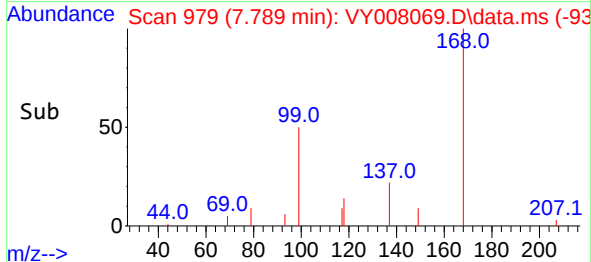
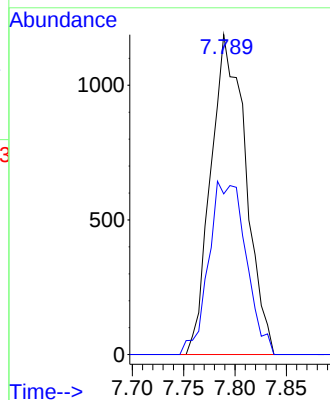
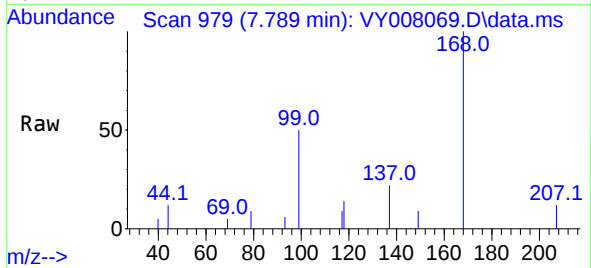




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

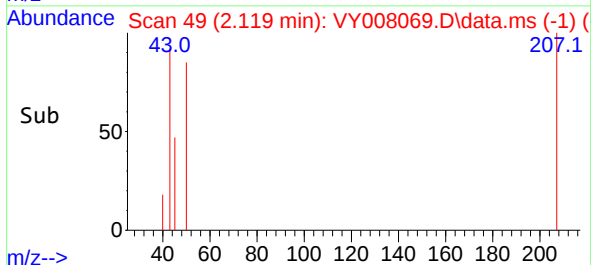
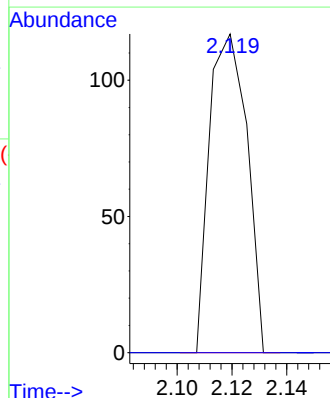
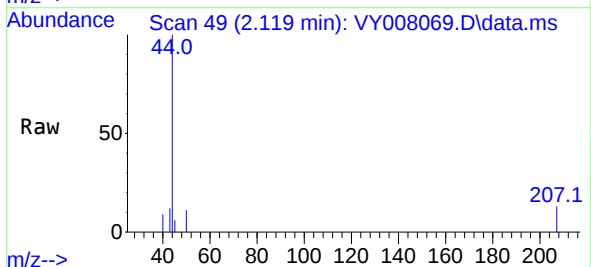
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

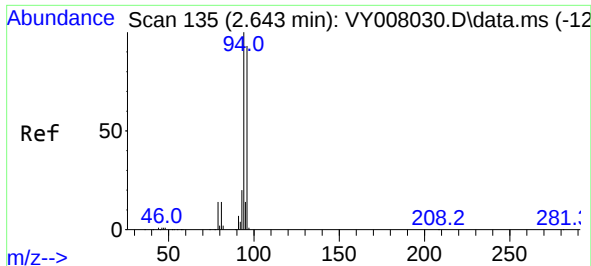
Tgt Ion:168 Resp: 2808
Ion Ratio Lower Upper
168 100
99 50.3 46.9 70.3



#3
Chloromethane
Concen: 3.634 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 50 Resp: 112
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

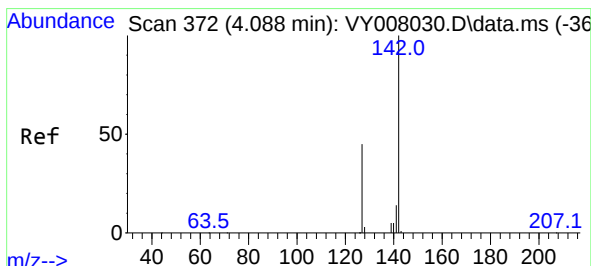
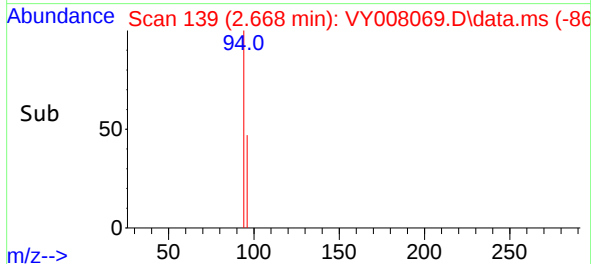
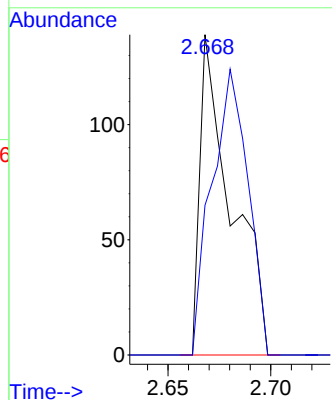
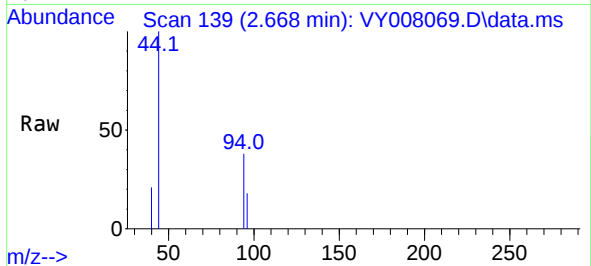




#5
Bromomethane
Concen: 4.403 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

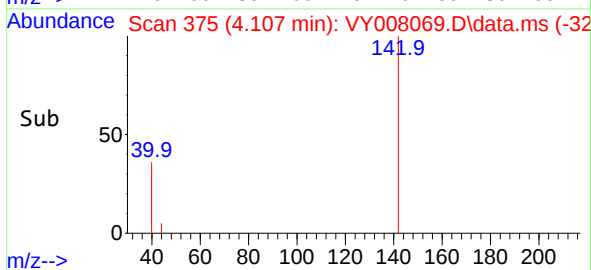
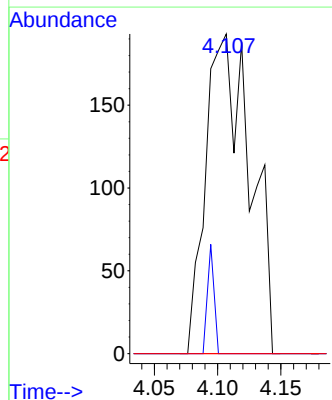
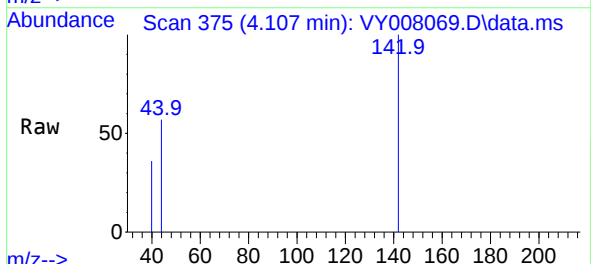
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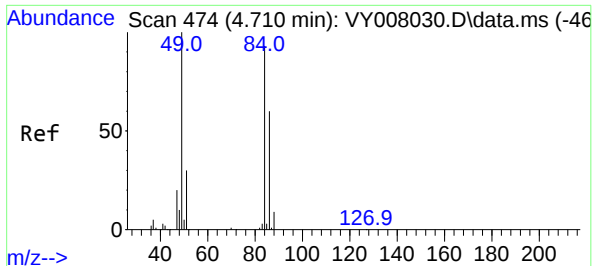
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 46.8 73.5 110.3#



#10
Methyl Iodide
Concen: 13.802 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 142 Resp: 471
Ion Ratio Lower Upper
142 100
127 5.1 41.5 62.3#
141 0.0 11.9 17.9#

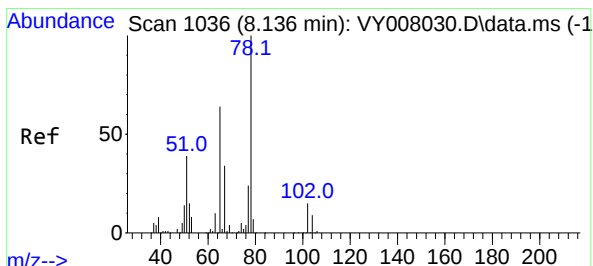
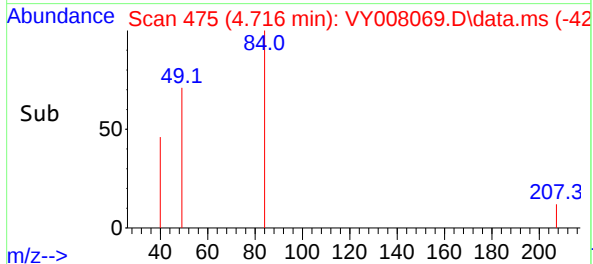
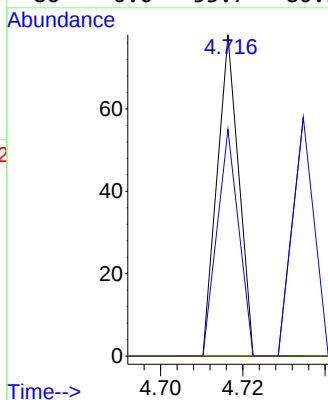
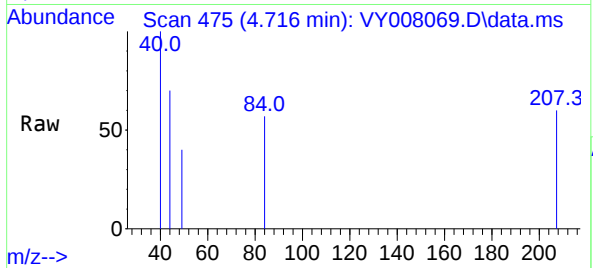




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

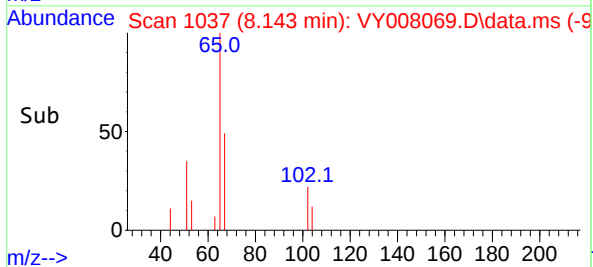
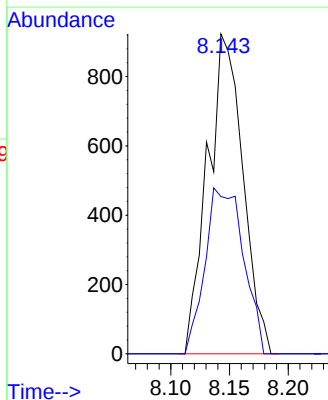
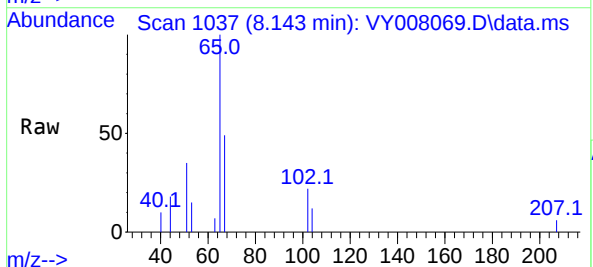
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

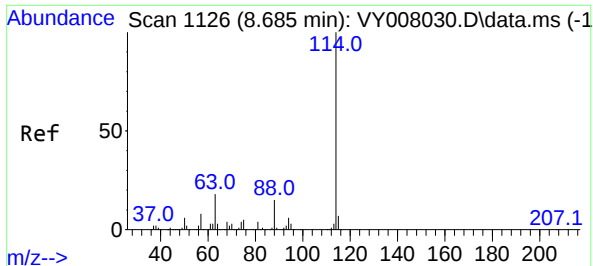
Tgt Ion: 84 Resp: 29
Ion Ratio Lower Upper
84 100
49 70.5 114.4 171.6#
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#



#33
1,2-Dichloroethane-d4
Concen: 68.435 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 65 Resp: 1928
Ion Ratio Lower Upper
65 100
67 56.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008069.D

Acq: 28 Mar 2022 17:04

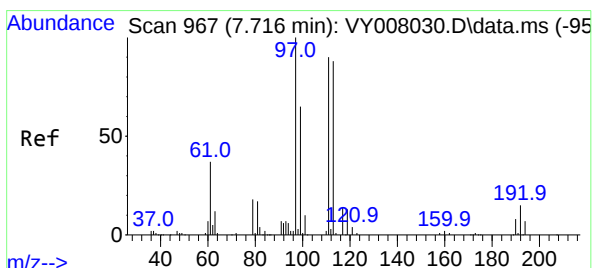
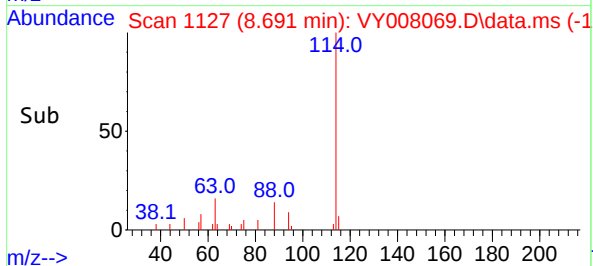
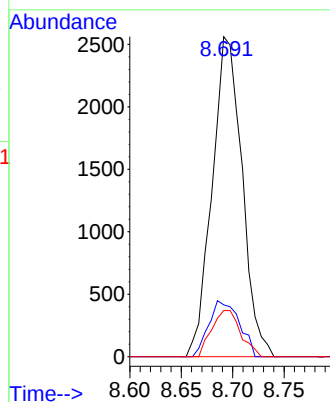
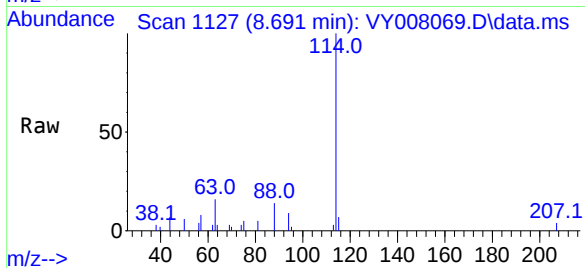
Instrument :

MSVOA_Y

ClientSampleId :

SB-08-9.0-10.0RE

Tgt Ion:114	Resp:	5179
Ion	Ratio	Lower Upper
114	100	
63	16.2	0.0 43.2
88	14.4	0.0 31.8



#35

Dibromofluoromethane

Concen: 50.384 ug/l

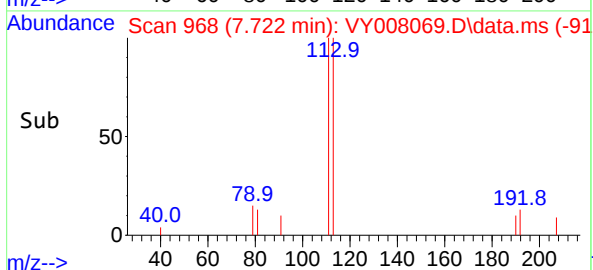
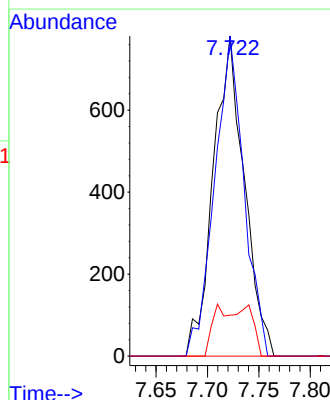
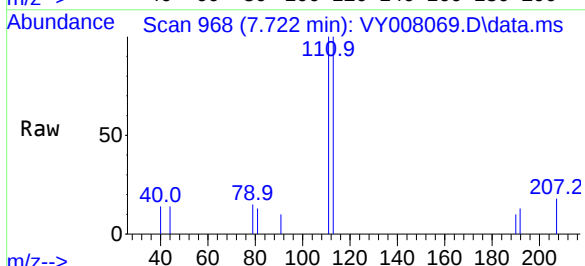
RT: 7.722 min Scan# 968

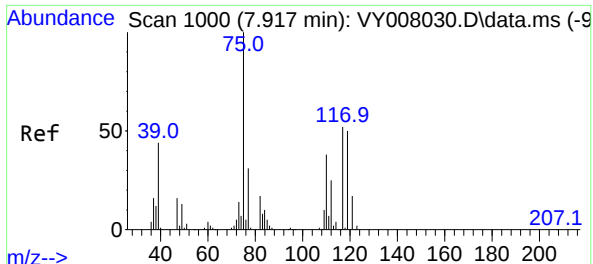
Delta R.T. 0.006 min

Lab File: VY008069.D

Acq: 28 Mar 2022 17:04

Tgt Ion:113	Resp:	1636
Ion	Ratio	Lower Upper
113	100	
111	94.5	82.6 124.0
192	8.9	17.6 26.4

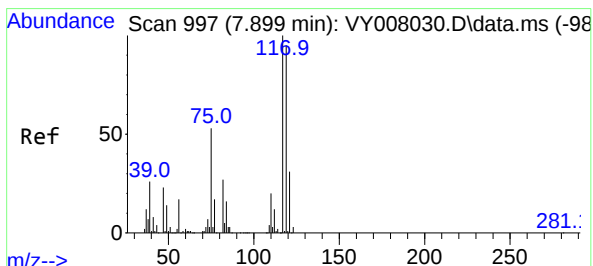
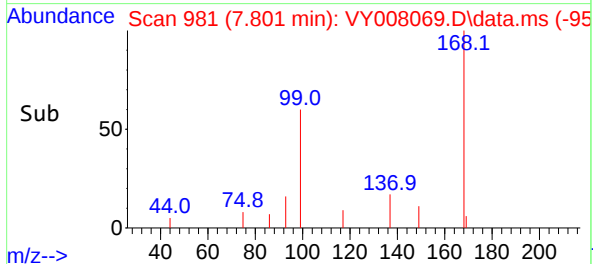
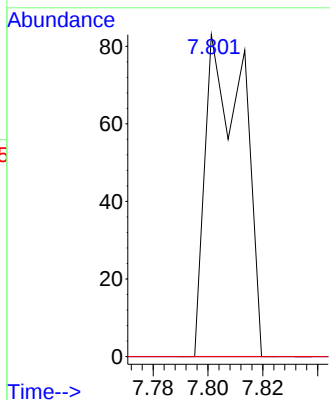
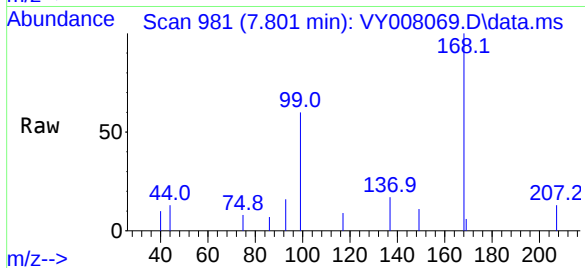




#36
1,1-Dichloropropene
Concen: 1.568 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

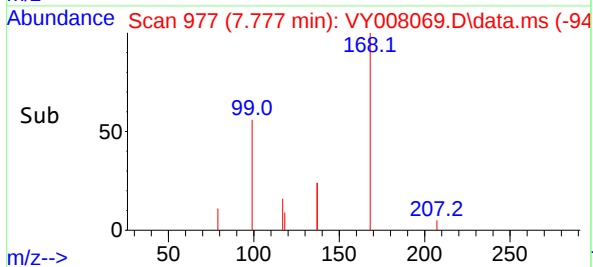
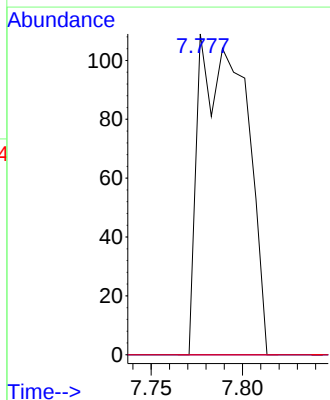
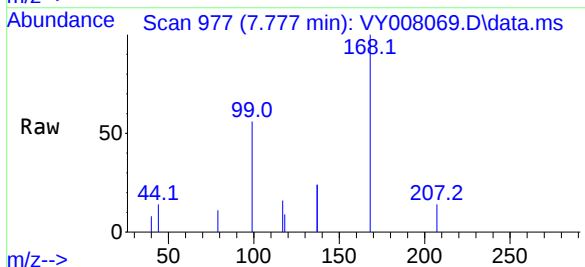
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

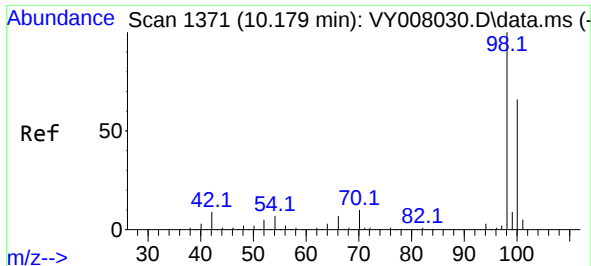
Tgt Ion: 75 Resp: 80
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 3.526 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 117 Resp: 196
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

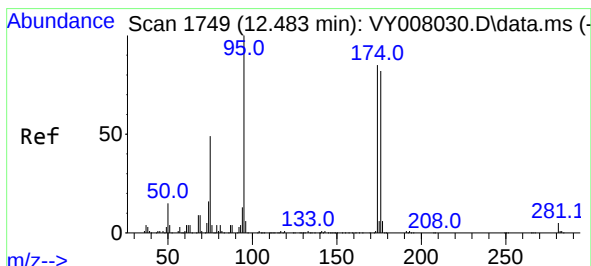
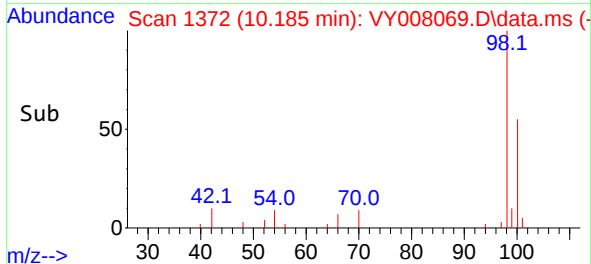
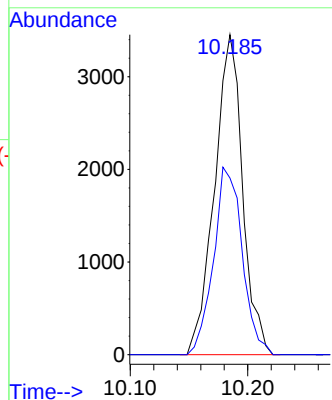
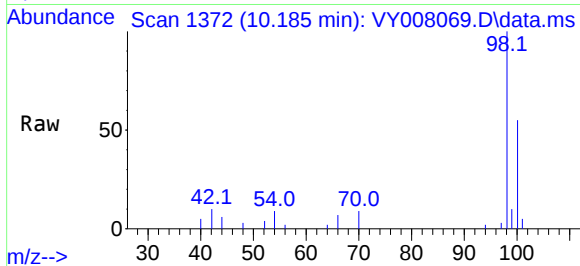




#50
Toluene-d8
Concen: 46.920 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

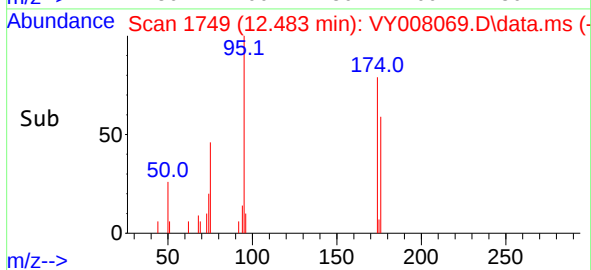
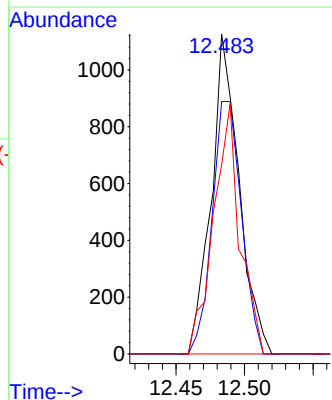
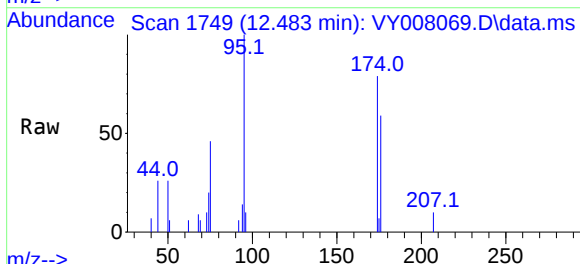
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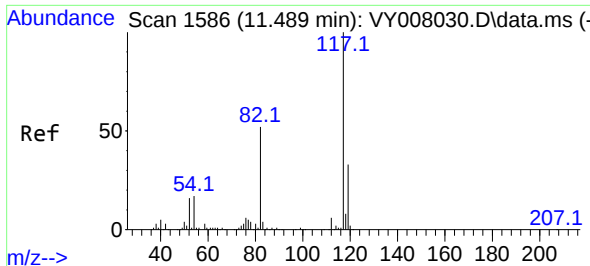
Tgt Ion: 98 Resp: 5740
Ion Ratio Lower Upper
98 100
100 59.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.770 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 95 Resp: 1587
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 74.1 0.0 175.8

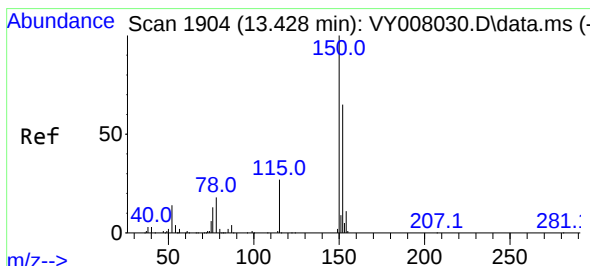
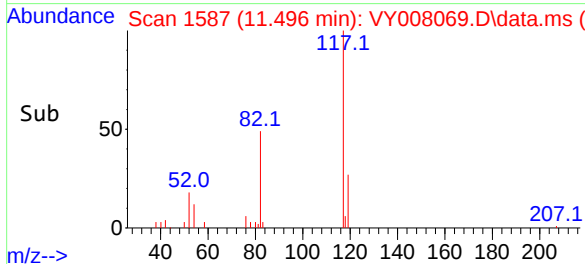
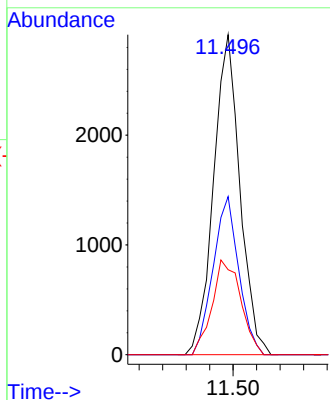
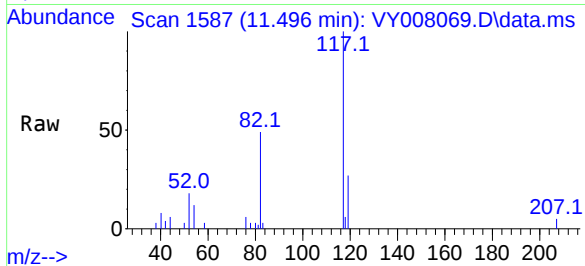




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

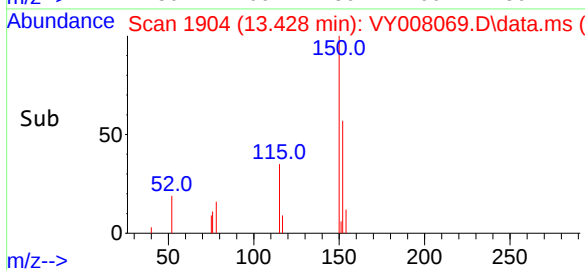
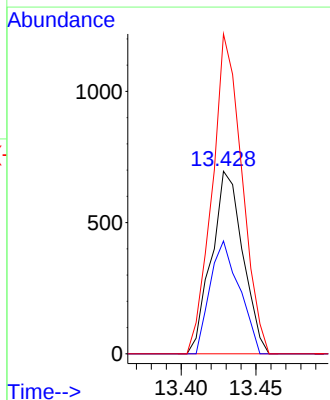
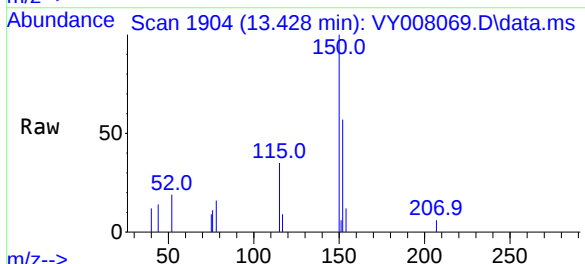
Instrument :
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ClientSampleId :
SB-08-9.0-10.0RE

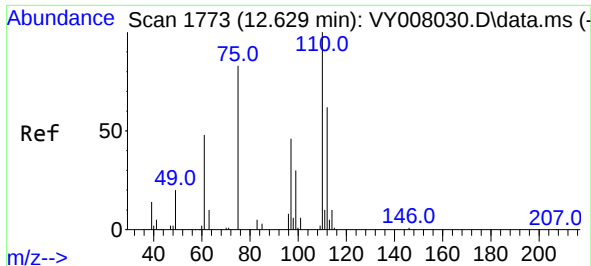
Tgt Ion:	117	Resp:	4548
Ion Ratio	Lower	Upper	
117	100		
82	49.4	43.0	64.4
119	26.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion:	152	Resp:	1013
Ion Ratio	Lower	Upper	
152	100		
115	57.9	28.2	84.7
150	166.9	0.0	347.6

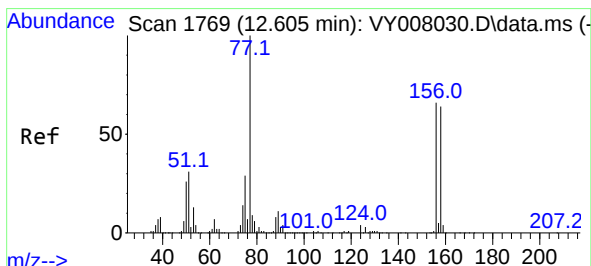
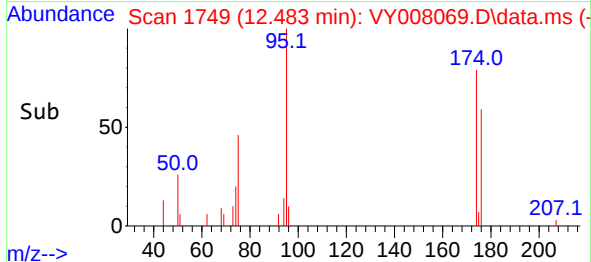
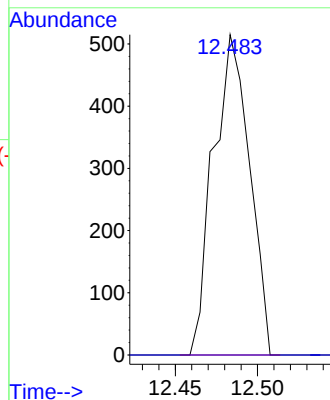
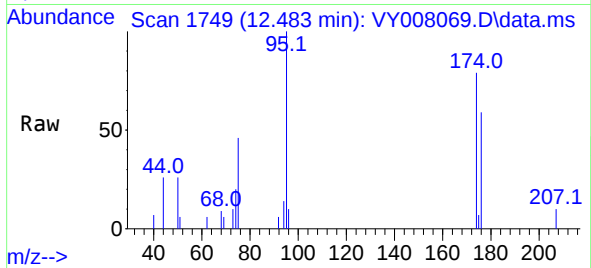




#76
1,2,3-Trichloropropane
Concen: 63.975 ug/l
RT: 12.483 min Scan# 1772
Delta R.T. -0.146 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

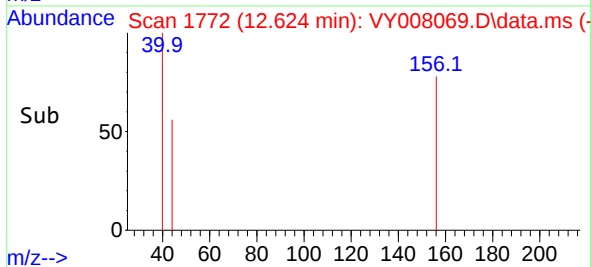
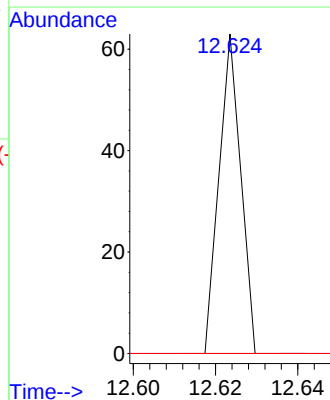
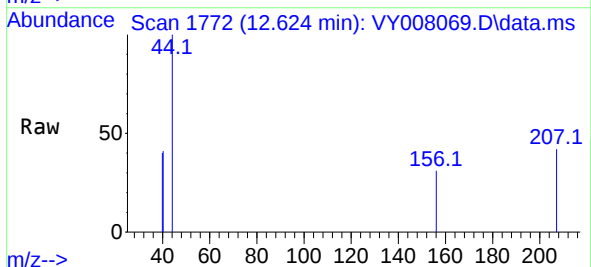
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

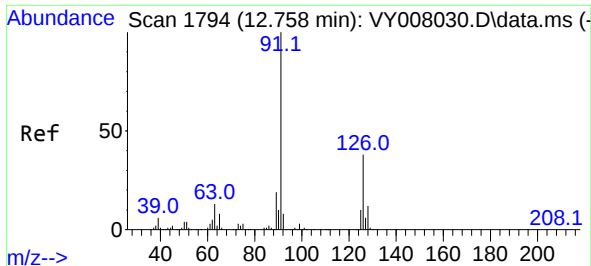
Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1.199 ug/l
RT: 12.624 min Scan# 1772
Delta R.T. 0.018 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 156 Resp: 23
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.0 48.0 144.0#

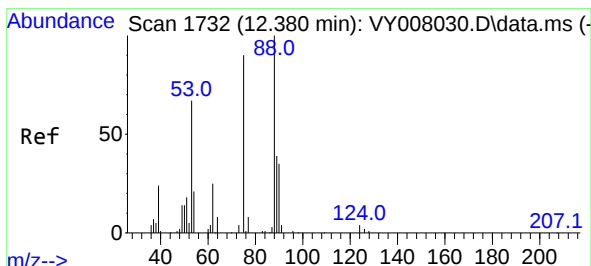
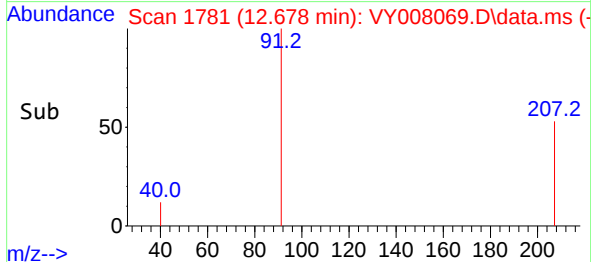
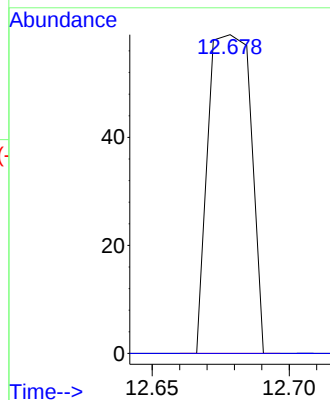
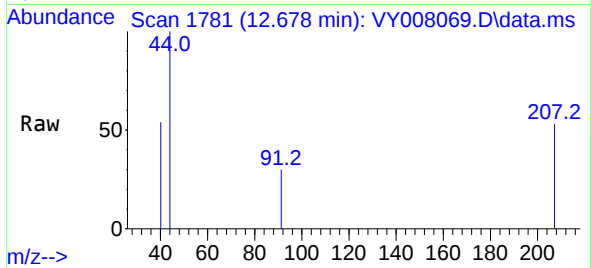




#79
2-Chlorotoluene
Concen: 1.170 ug/l
RT: 12.678 min Scan# 11
Delta R.T. -0.080 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

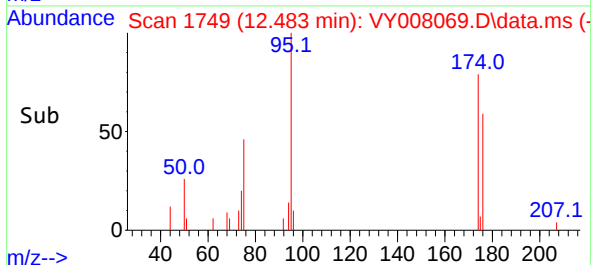
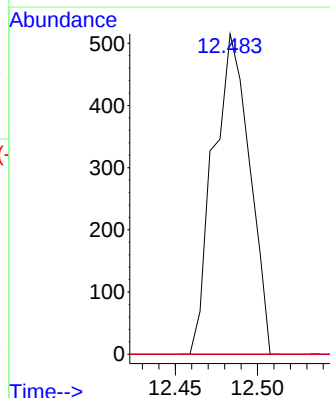
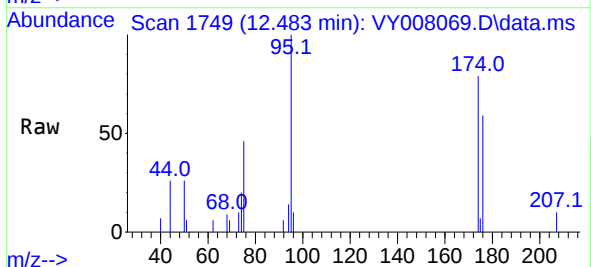
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

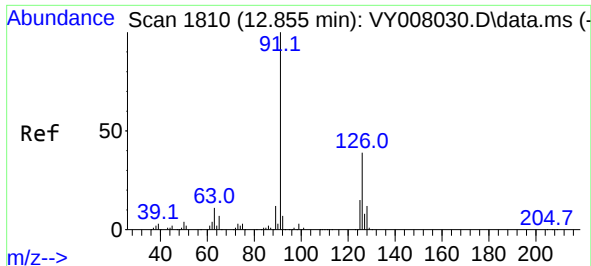
Tgt Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.739 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

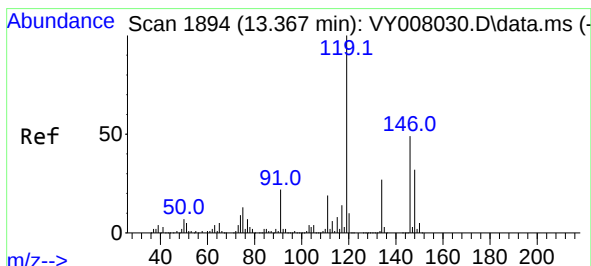
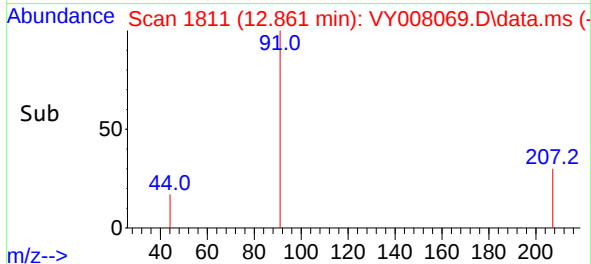
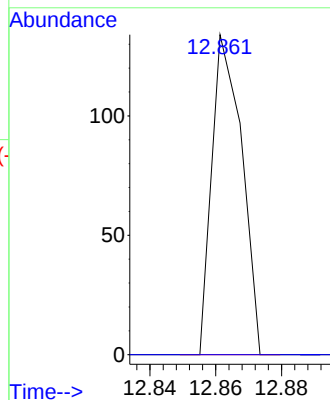
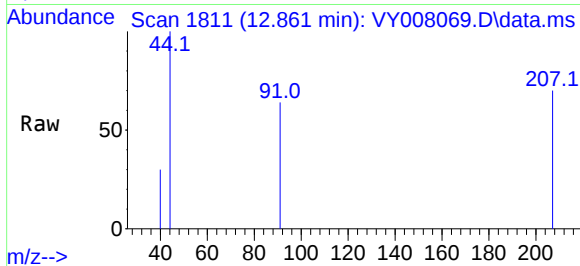




#82
4-Chlorotoluene
Concen: 1.496 ug/l
RT: 12.861 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

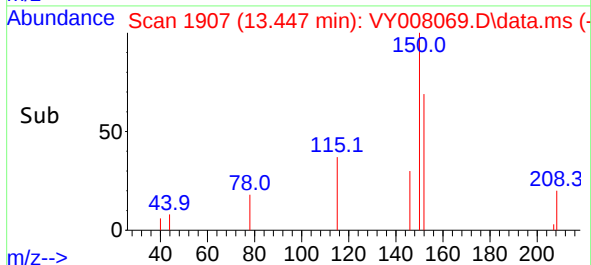
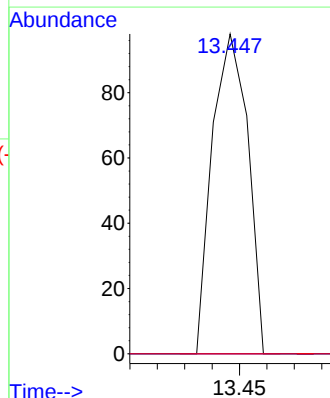
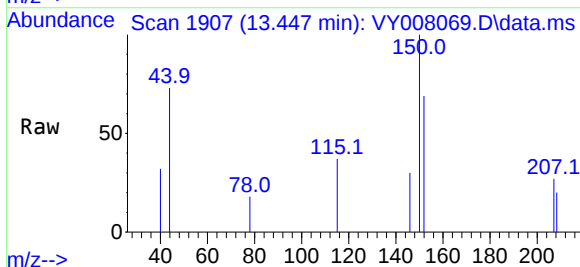
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE

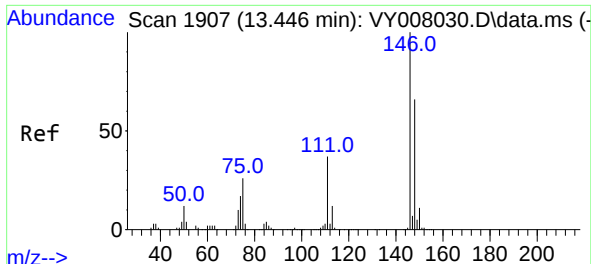
Tgt Ion: 91 Resp: 84
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#87
1,3-Dichlorobenzene
Concen: 2.340 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.080 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

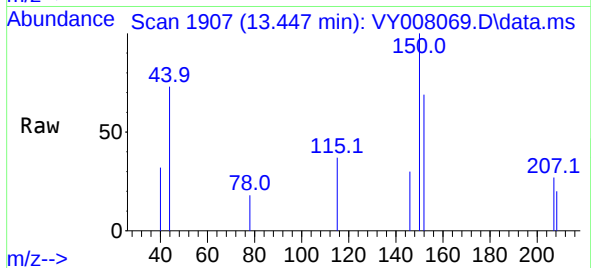
Tgt Ion:146 Resp: 89
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 0.0 31.6 95.0#



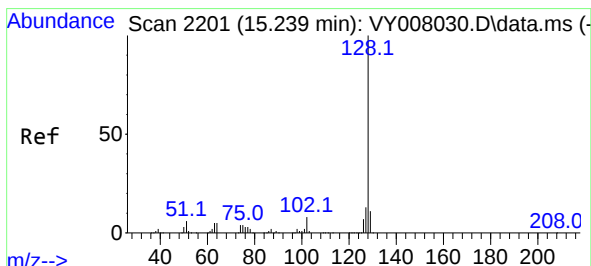
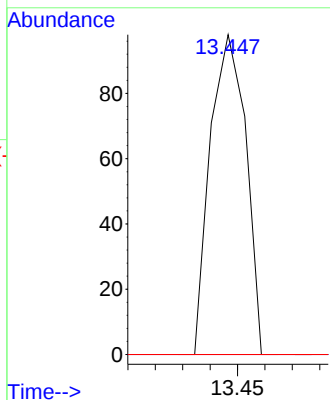
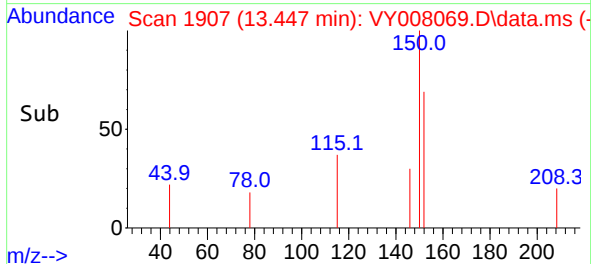


#88
1,4-Dichlorobenzene
Concen: 2.347 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.001 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04

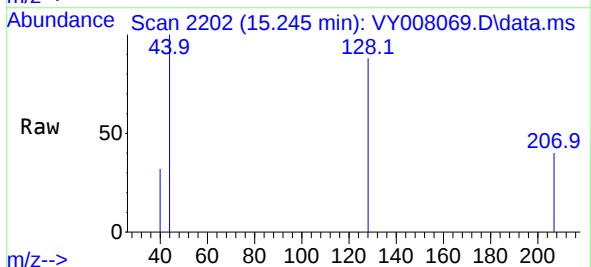
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-9.0-10.0RE



Tgt Ion:146 Resp: 89
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 0.0 32.6 97.8#



#95
Naphthalene
Concen: 5.347 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY008069.D
Acq: 28 Mar 2022 17:04



Tgt Ion:128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

