

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007930.D
 Acq On : 19 Mar 2022 03:36
 Operator : SY/MD
 Sample : N1958-10
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-10-9-10

Quant Time: Mar 21 03:19:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

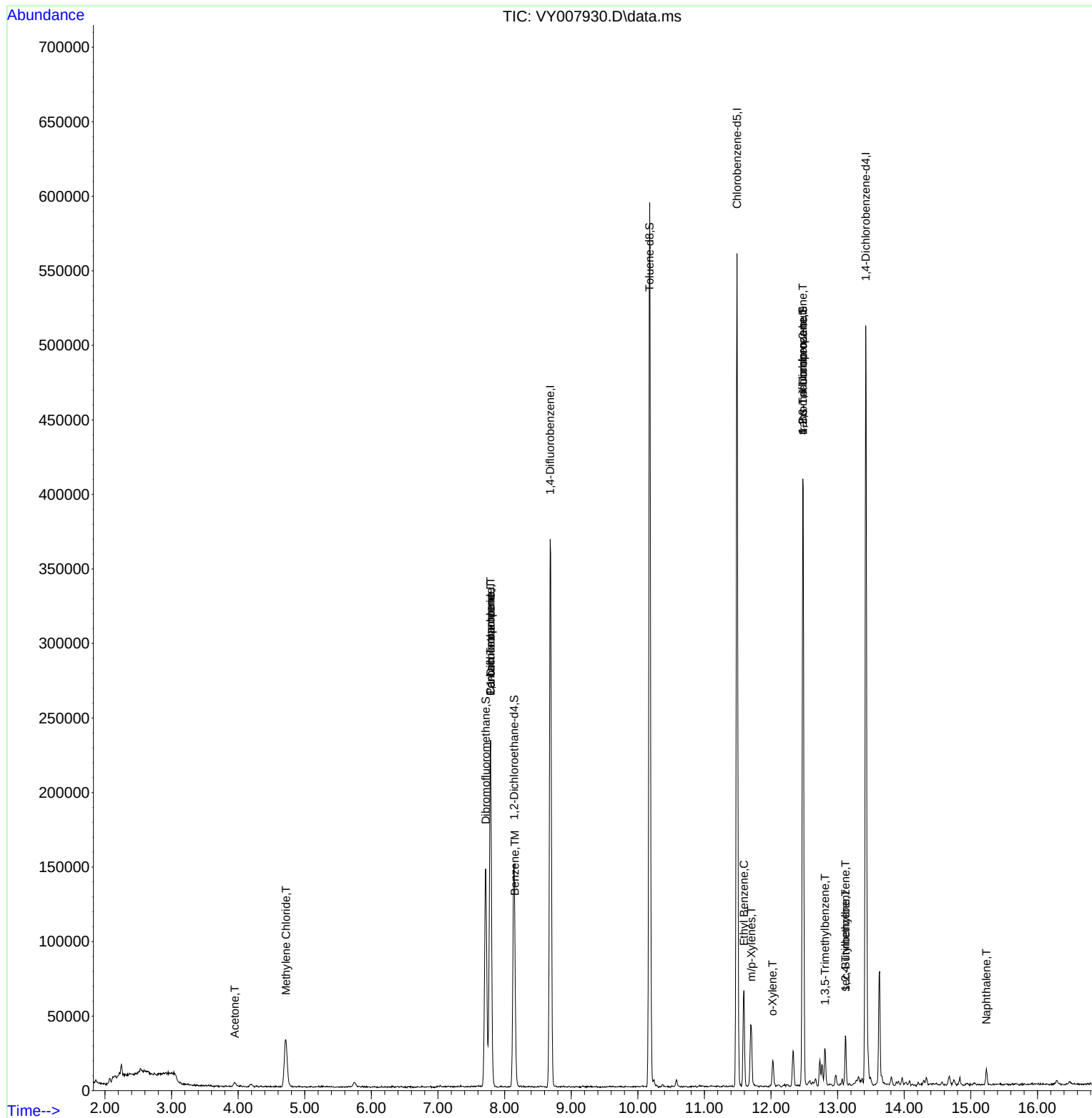
Internal Standards						
1) Pentafluorobenzene	7.789	168	169233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	293084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113785	58.969	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.940%			
35) Dibromofluoromethane	7.716	113	104246	46.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.280%			
50) Toluene-d8	10.179	98	389295	58.703	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.400%			
62) 4-Bromofluorobenzene	12.477	95	135926	42.372	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	77	Below Cal	#	43
3) Chloromethane	2.107	50	656	Below Cal		96
4) Vinyl Chloride	2.229	62	70	Below Cal	#	43
5) Bromomethane	2.668	94	379	Below Cal	#	27
16) Acetone	3.948	43	5700	11.135	ug/l #	80
17) Carbon Disulfide	4.192	76	2871	Below Cal	#	75
18) Methyl Acetate	4.484	43	250	Below Cal		92
20) Methylene Chloride	4.716	84	24738	8.635	ug/l	87
31) Cyclohexane	7.789	56	4116	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14658	4.422	ug/l #	52
38) Carbon Tetrachloride	7.789	117	18217	5.142	ug/l #	16
39) Methylcyclohexane	9.173	83	62	Below Cal	#	50
40) Benzene	8.155	78	10864	1.121	ug/l	98
67) Ethyl Benzene	11.593	91	44638	3.569	ug/l	97
68) m/p-Xylenes	11.703	106	13181	2.702	ug/l	98
69) o-Xylene	12.026	106	4833	1.024	ug/l	89
76) 1,2,3-Trichloropropane	12.477	75	71512	40.609	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	11056	1.236	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	71512	85.296	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	16592	1.893	ug/l	99
85) sec-Butylbenzene	13.117	105	16592	1.383	ug/l #	56
95) Naphthalene	15.233	128	7921	1.286	ug/l	100

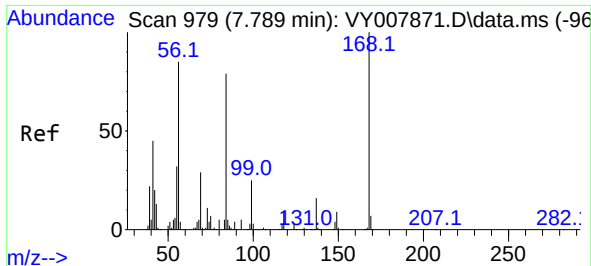
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

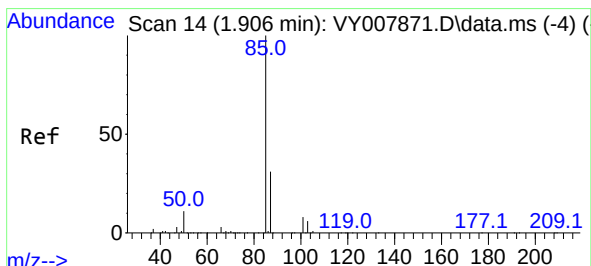
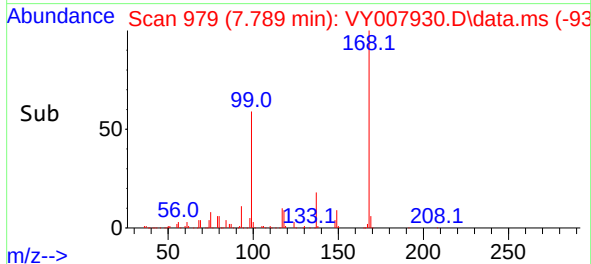
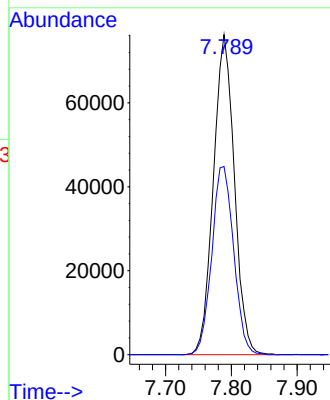
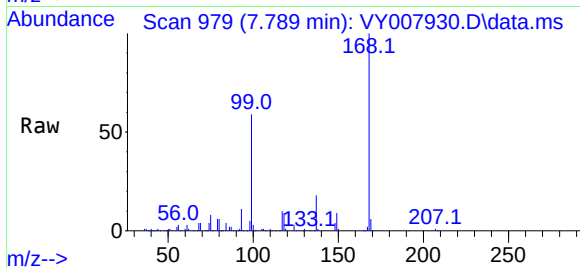




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

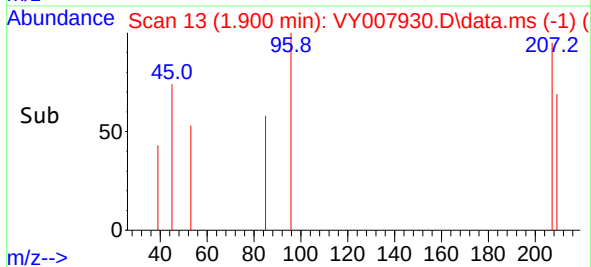
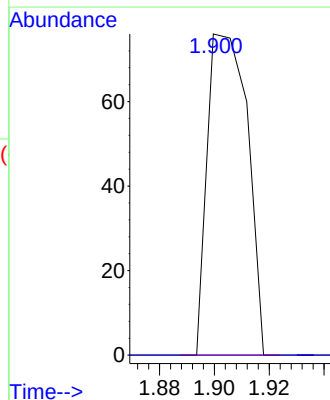
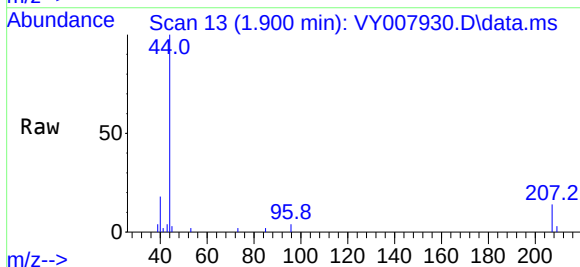
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

Tgt Ion:168 Resp: 169233
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3

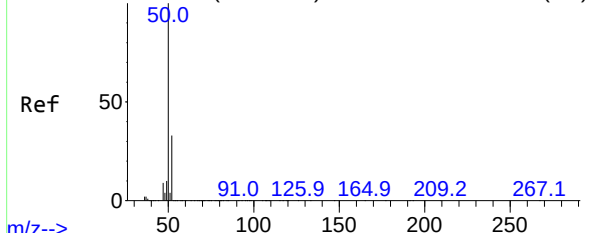


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 85 Resp: 77
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY007930.D

Acq: 19 Mar 2022 03:36

Instrument :

MSVOA_Y

ClientSampleId :

C-10-9-10

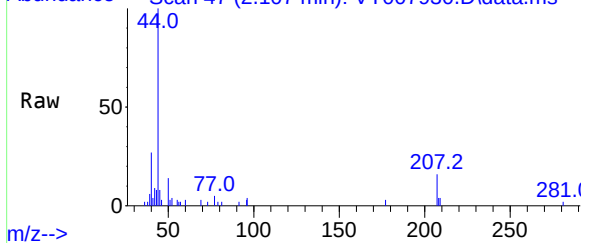
Tgt Ion: 50 Resp: 656

Ion Ratio Lower Upper

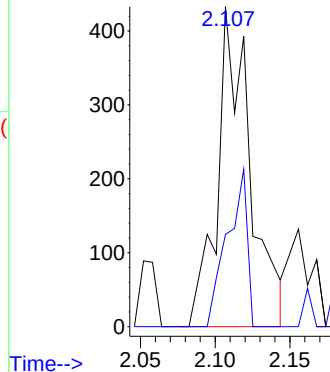
50 100

52 28.9 24.6 37.0

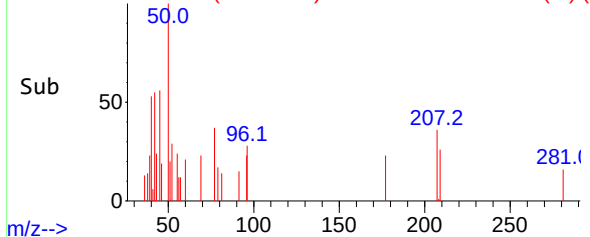
Abundance Scan 47 (2.107 min): VY007930.D\data.ms



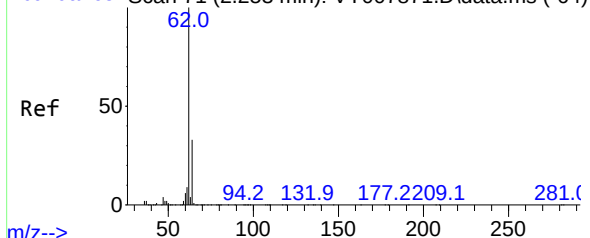
Abundance



Abundance Scan 47 (2.107 min): VY007930.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.229 min Scan# 67

Delta R.T. -0.025 min

Lab File: VY007930.D

Acq: 19 Mar 2022 03:36

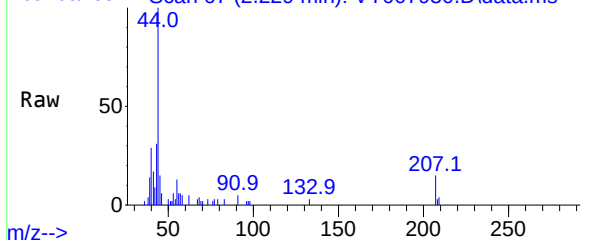
Tgt Ion: 62 Resp: 70

Ion Ratio Lower Upper

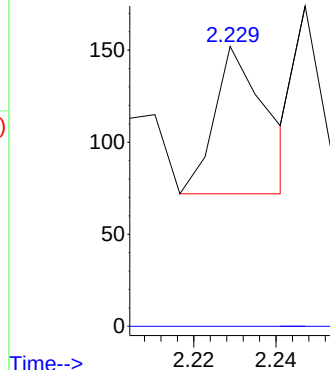
62 100

64 0.0 25.0 37.6#

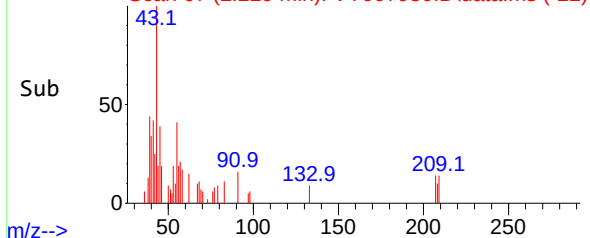
Abundance Scan 67 (2.229 min): VY007930.D\data.ms

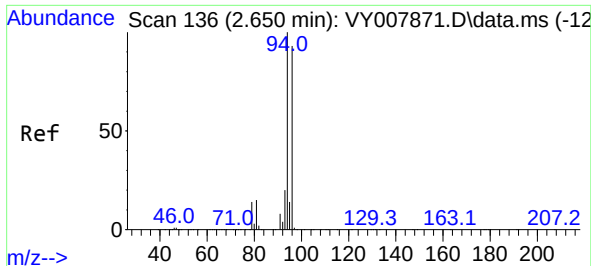


Abundance



Abundance Scan 67 (2.229 min): VY007930.D\data.ms (-22)

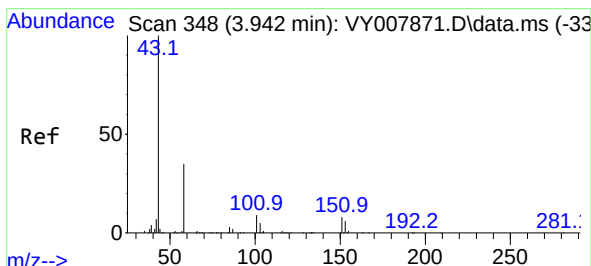
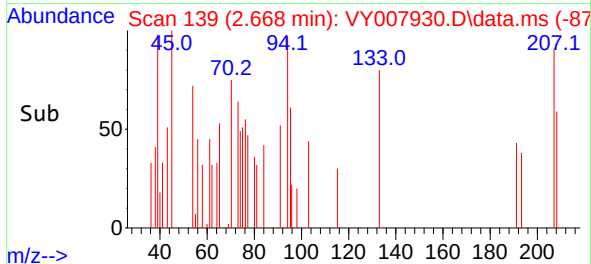
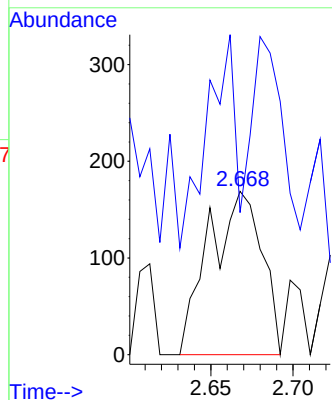
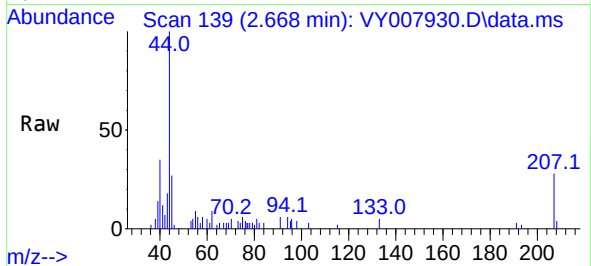




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

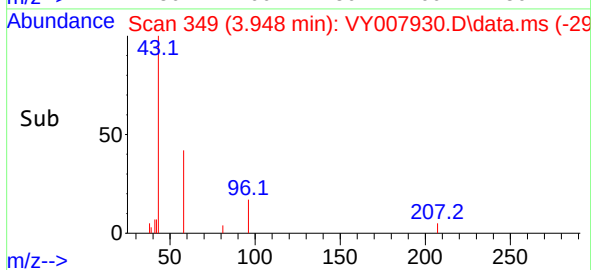
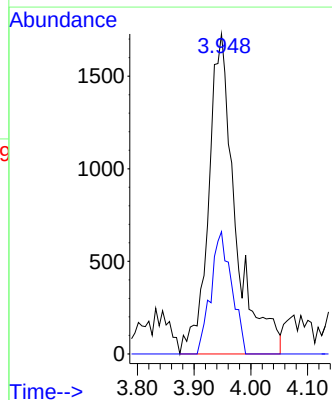
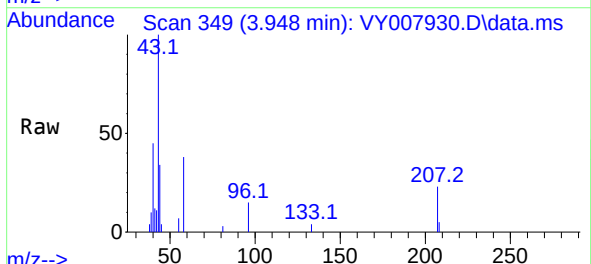
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

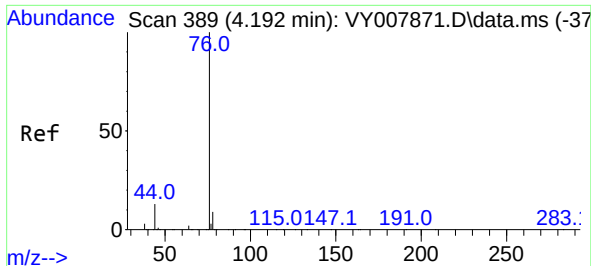
Tgt Ion: 94 Resp: 379
Ion Ratio Lower Upper
94 100
96 21.9 73.5 110.3#



#16
Acetone
Concen: 11.135 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 43 Resp: 5700
Ion Ratio Lower Upper
43 100
58 38.2 22.0 33.0#

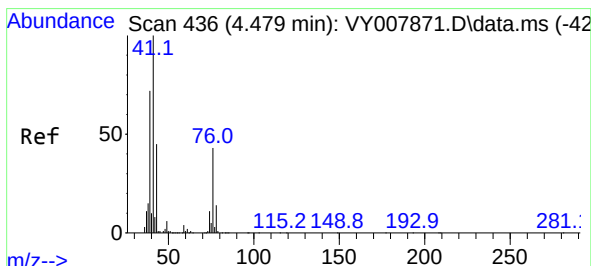
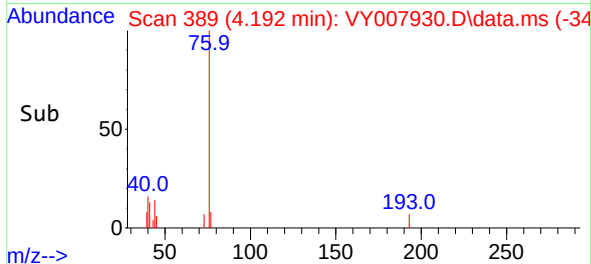
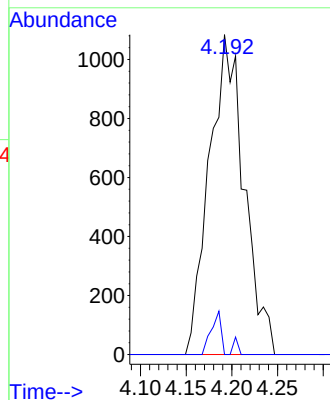
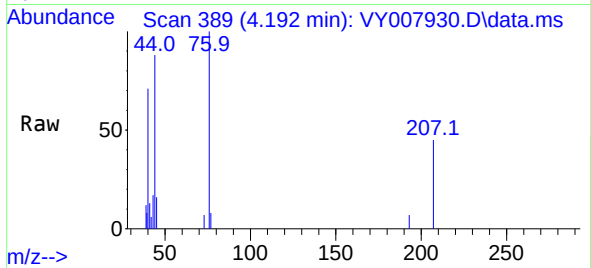




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

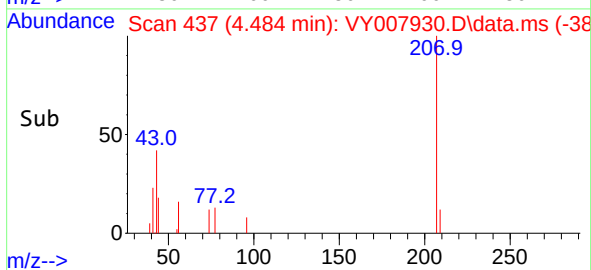
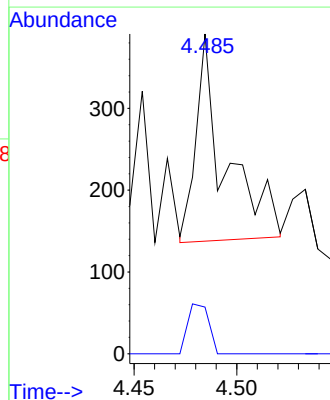
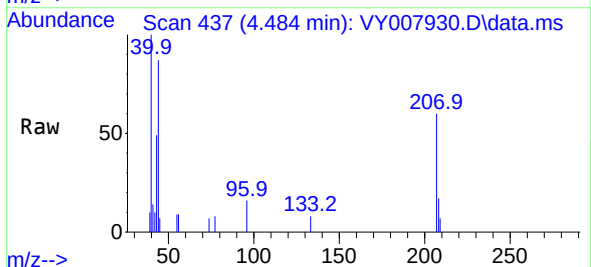
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

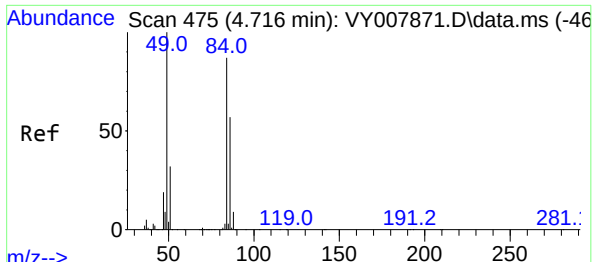
Tgt Ion: 76 Resp: 2871
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

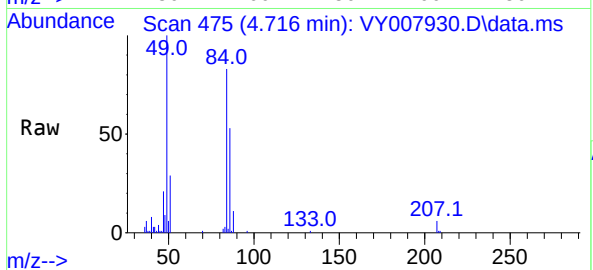
Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
74 17.2 16.6 24.8





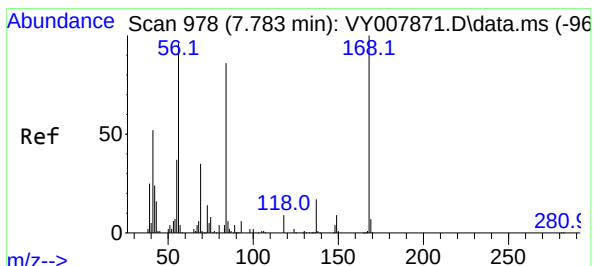
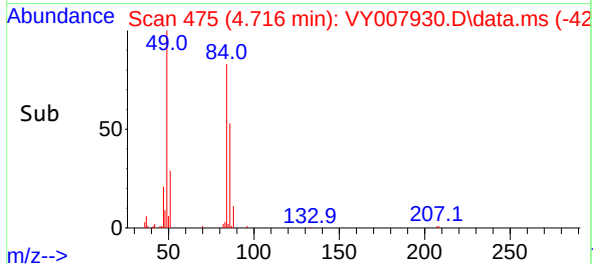
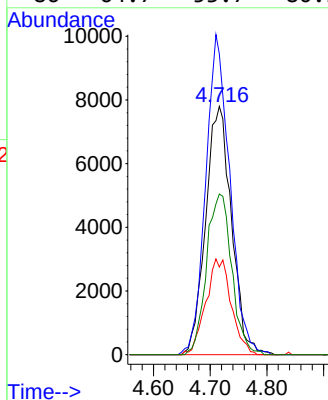
#20
Methylene Chloride
Concen: 8.635 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10



Tgt Ion: 84 Resp: 24738

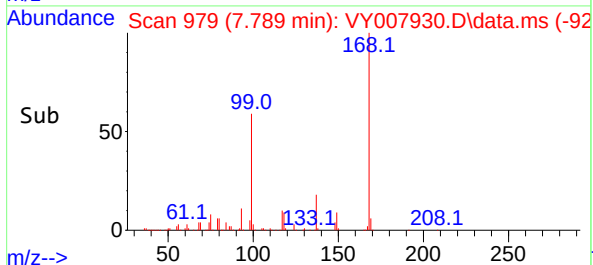
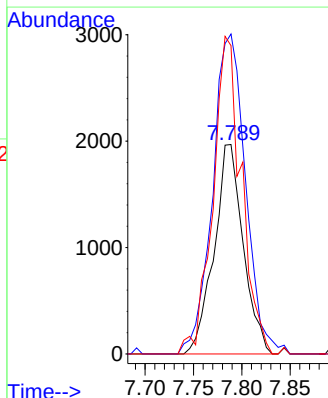
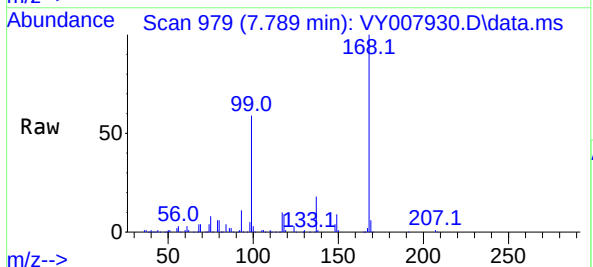
Ion	Ratio	Lower	Upper
84	100		
49	121.2	114.4	171.6
51	35.3	35.3	52.9
86	64.7	53.7	80.5

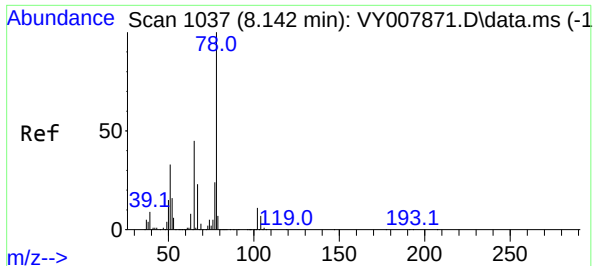


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 56 Resp: 4116

Ion	Ratio	Lower	Upper
56	100		
69	152.8	26.7	40.1#
84	147.2	67.2	100.8#

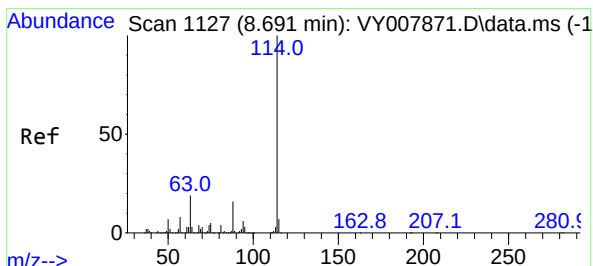
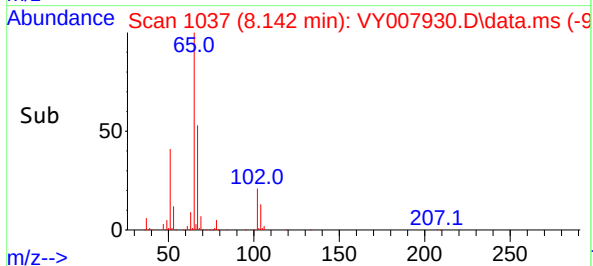
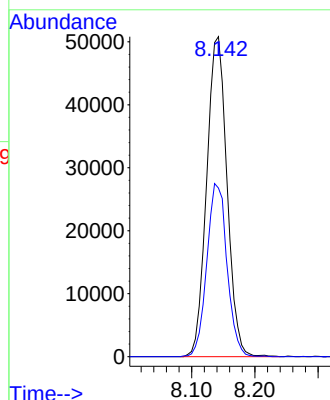
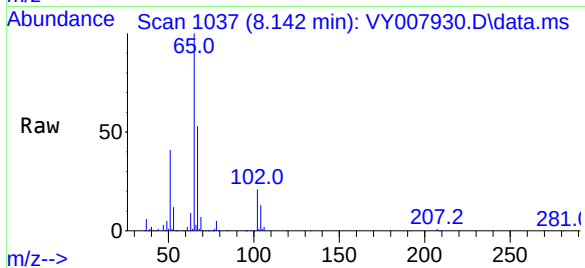




#33
1,2-Dichloroethane-d4
Concen: 58.969 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

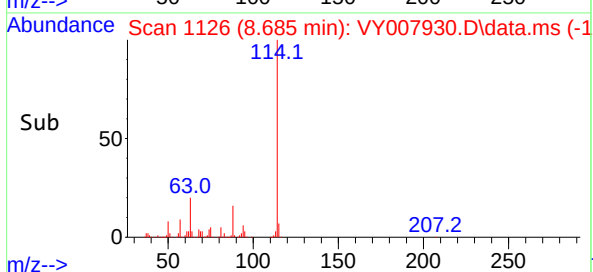
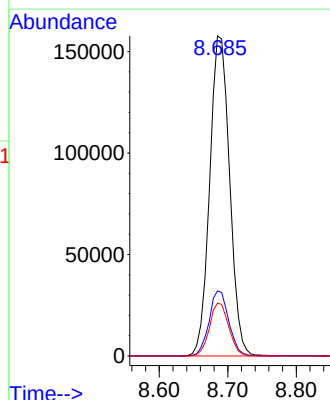
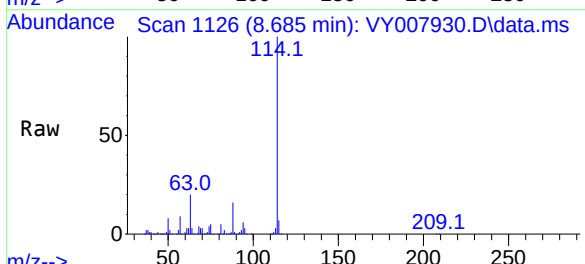
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

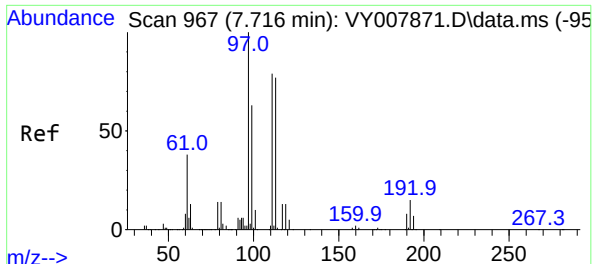
Tgt Ion: 65 Resp: 113785
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion:114 Resp: 318267
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 16.5 0.0 31.8

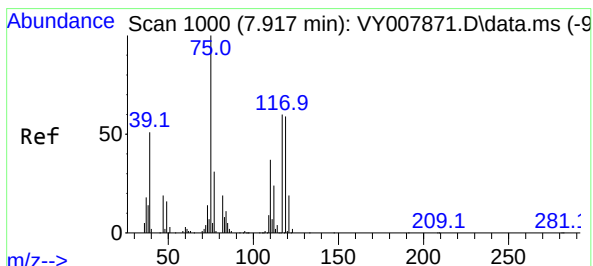
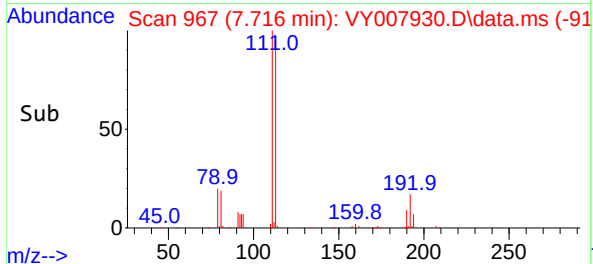
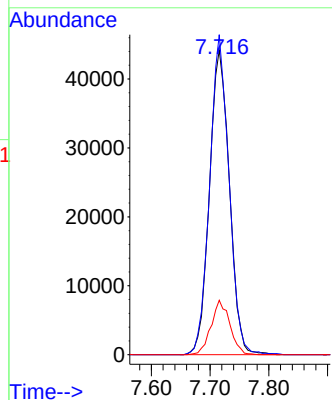
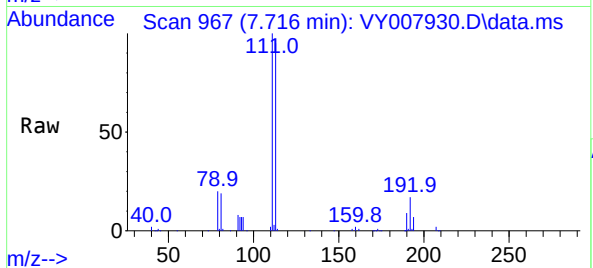




#35
Dibromofluoromethane
Concen: 46.639 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

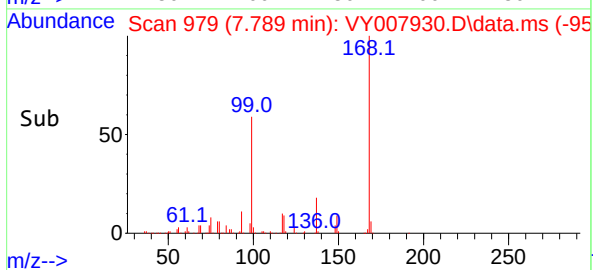
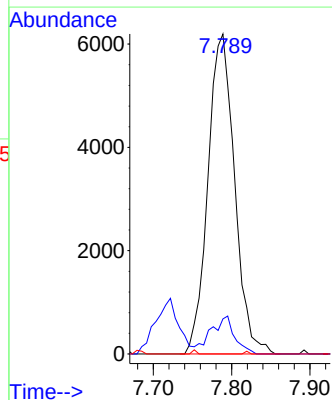
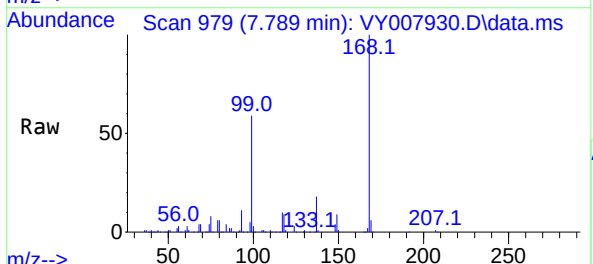
Instrument :
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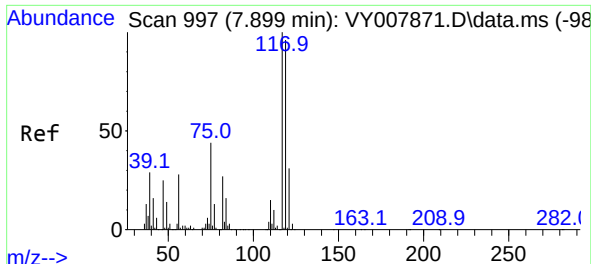
Tgt Ion:113 Resp: 104246
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 16.8 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 75 Resp: 14658
Ion Ratio Lower Upper
75 100
110 10.5 17.1 51.2#
77 0.0 24.4 36.6#

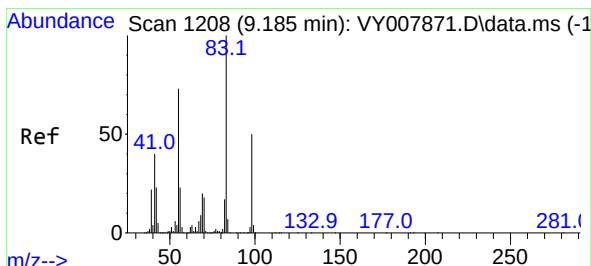
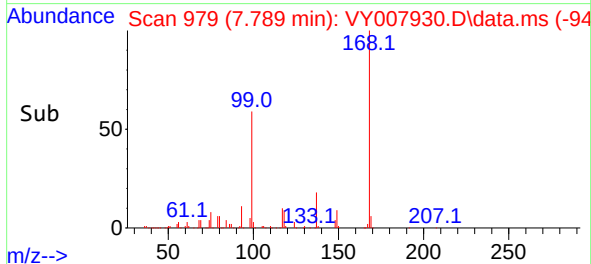
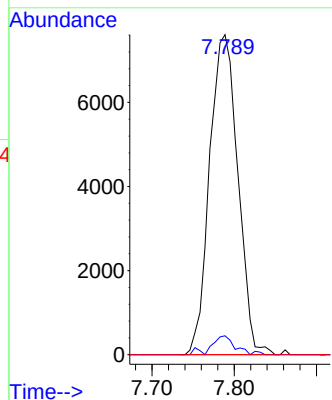
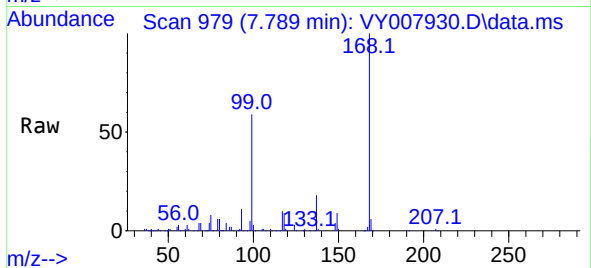




#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

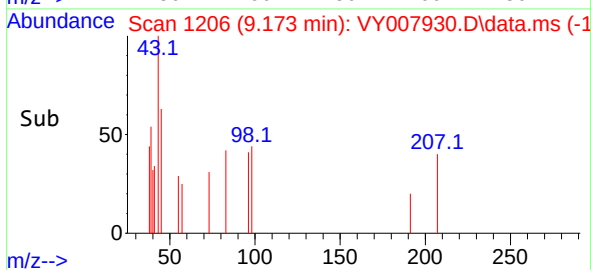
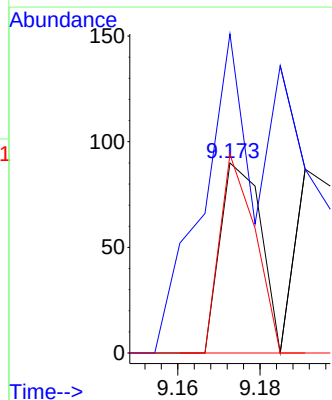
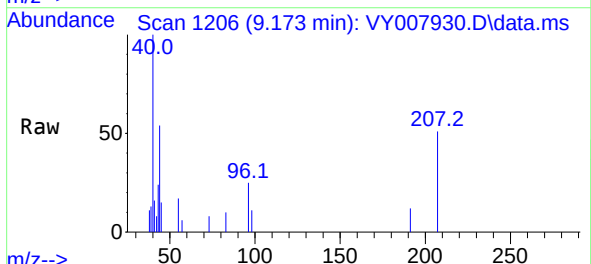
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

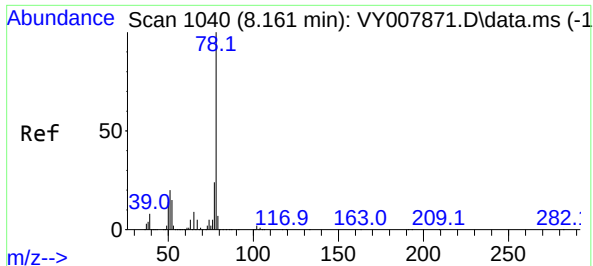
Tgt Ion:117 Resp: 18217
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.173 min Scan# 1206
Delta R.T. -0.012 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 110.0 66.5 99.7#
98 104.4 37.9 56.9#

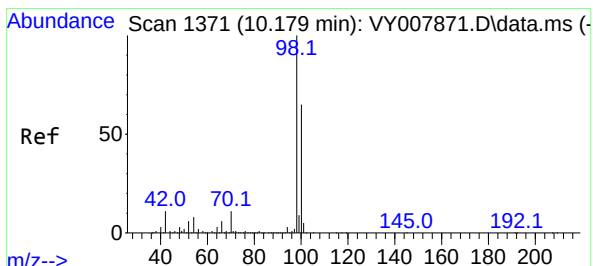
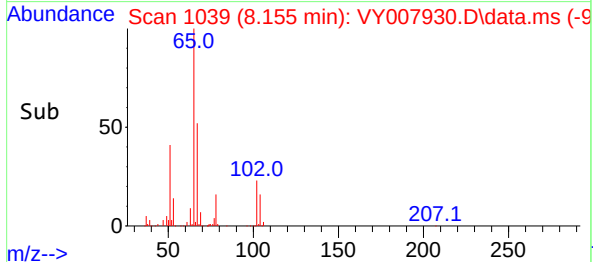
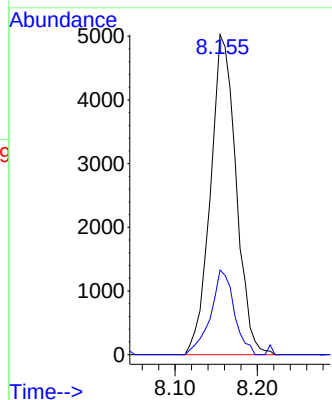
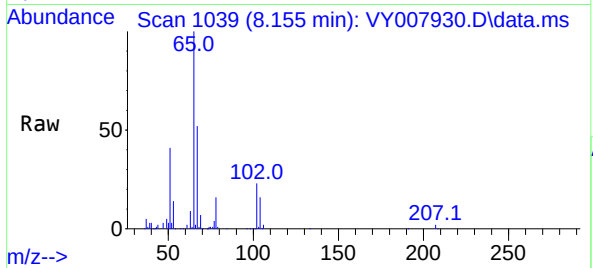




#40
Benzene
Concen: 1.121 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

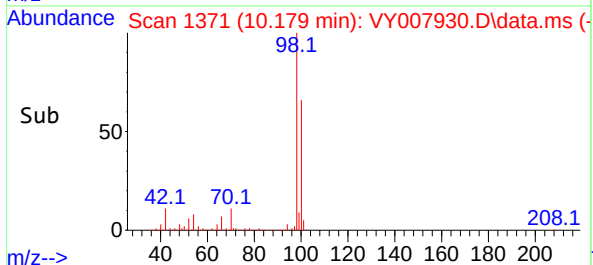
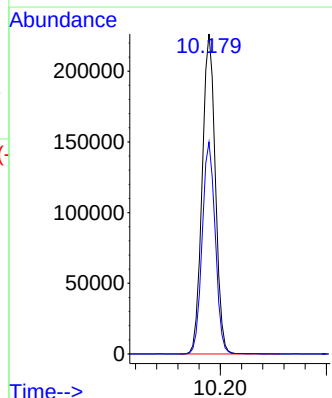
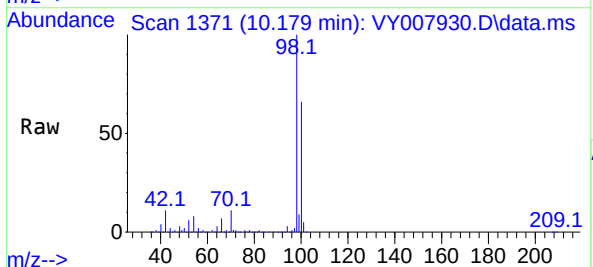
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

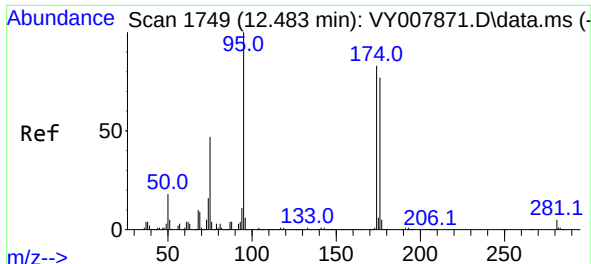
Tgt Ion: 78 Resp: 10864
Ion Ratio Lower Upper
78 100
77 26.4 20.4 30.6



#50
Toluene-d8
Concen: 58.703 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 98 Resp: 389295
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2

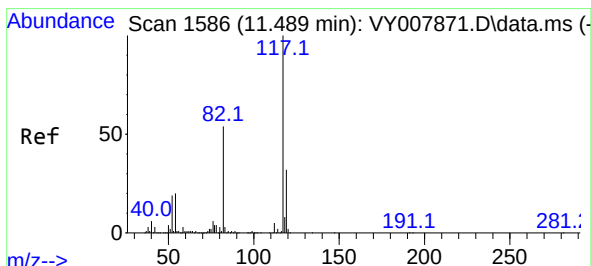
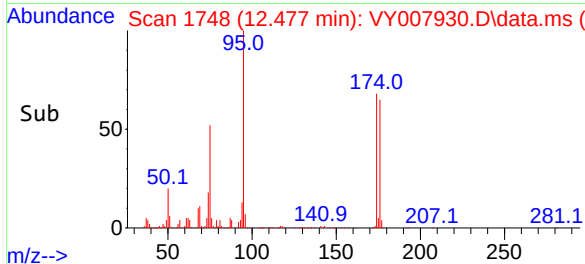
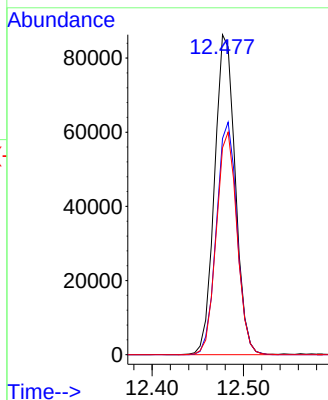
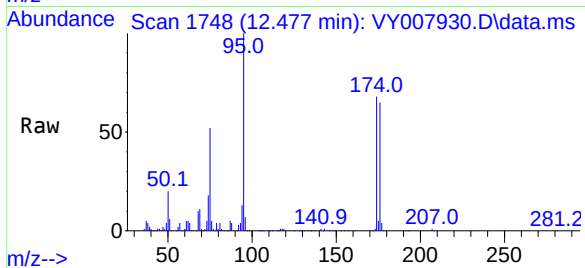




#62
4-Bromofluorobenzene
Concen: 42.372 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

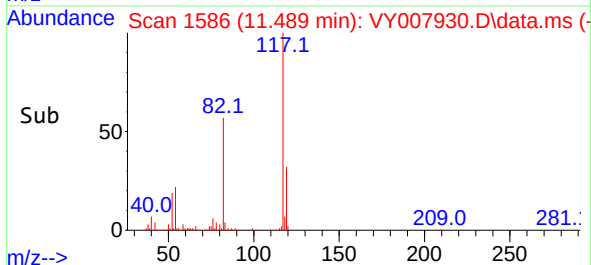
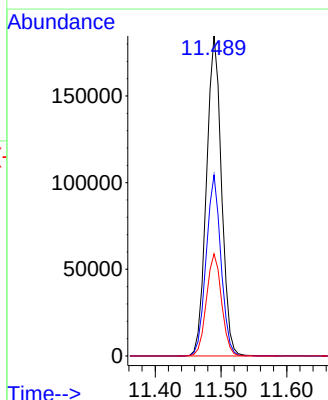
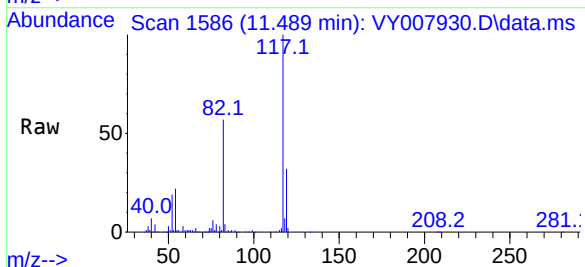
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

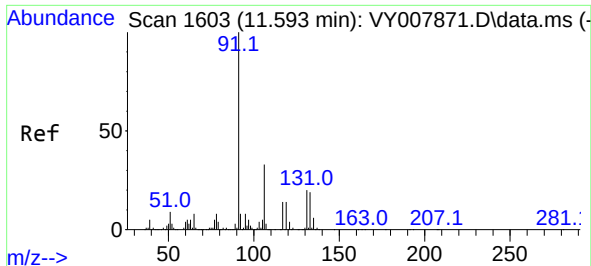
Tgt Ion: 95 Resp: 135926
Ion Ratio Lower Upper
95 100
174 72.3 0.0 177.0
176 69.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 117 Resp: 293084
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 31.9 25.4 38.0





#67

Ethyl Benzene

Concen: 3.569 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY007930.D

Acq: 19 Mar 2022 03:36

Instrument :

MSVOA_Y

ClientSampleId :

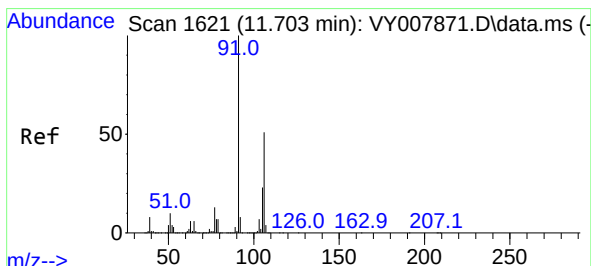
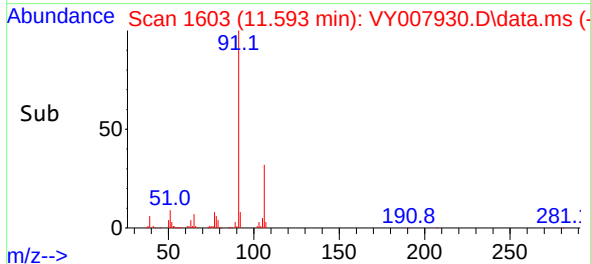
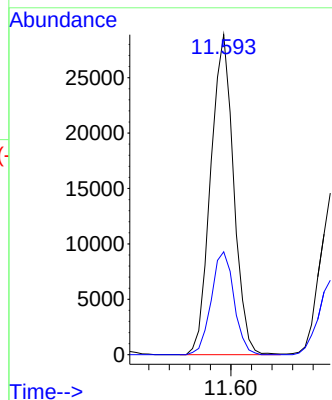
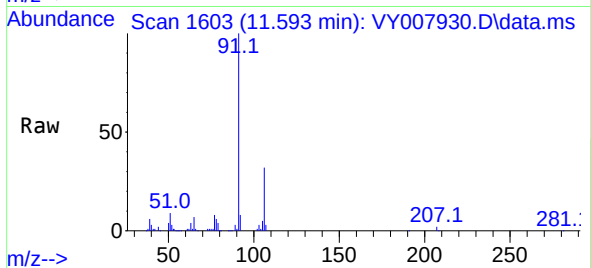
C-10-9-10

Tgt Ion: 91 Resp: 44638

Ion Ratio Lower Upper

91 100

106 32.1 24.5 36.7



#68

m/p-Xylenes

Concen: 2.702 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY007930.D

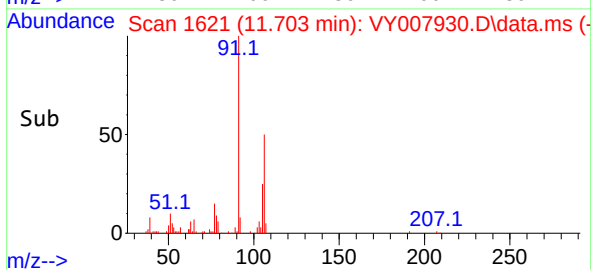
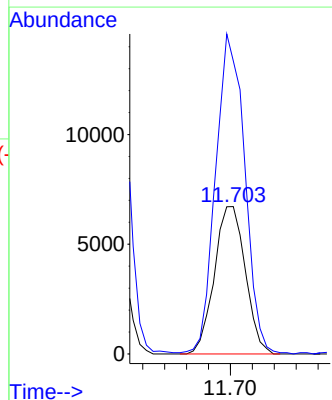
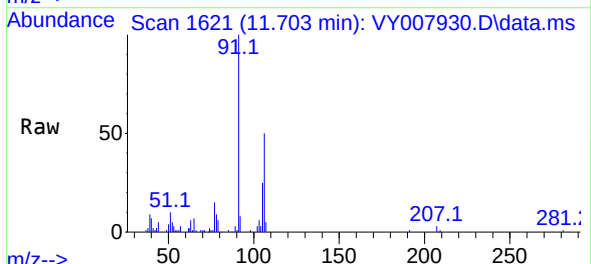
Acq: 19 Mar 2022 03:36

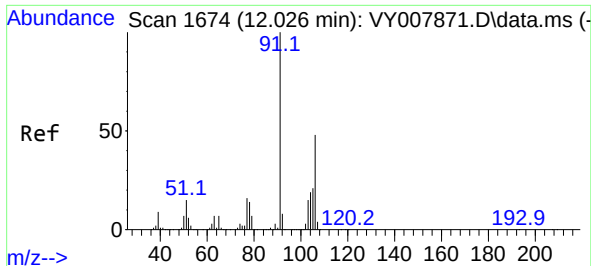
Tgt Ion:106 Resp: 13181

Ion Ratio Lower Upper

106 100

91 204.7 166.6 249.8

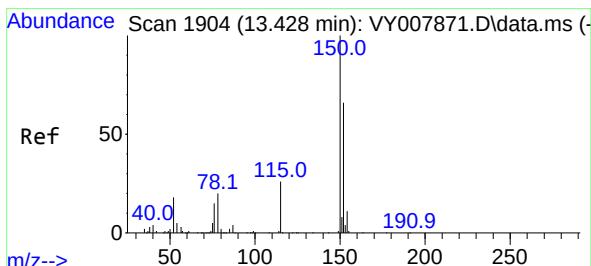
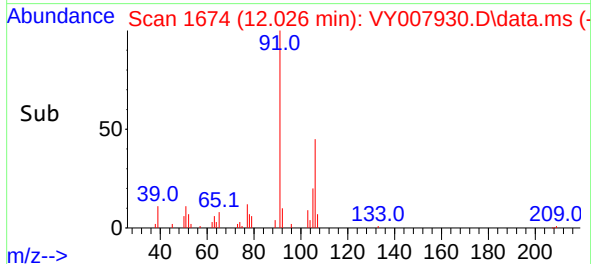
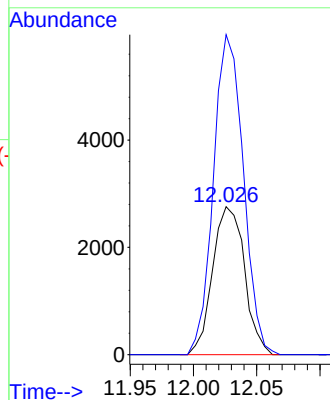
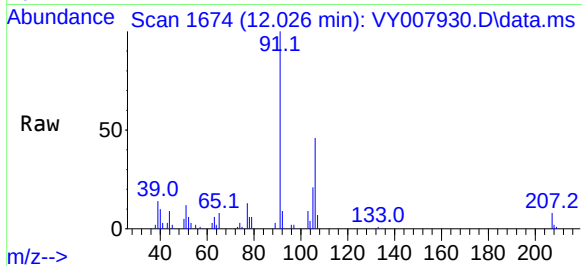




#69
o-Xylene
Concen: 1.024 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

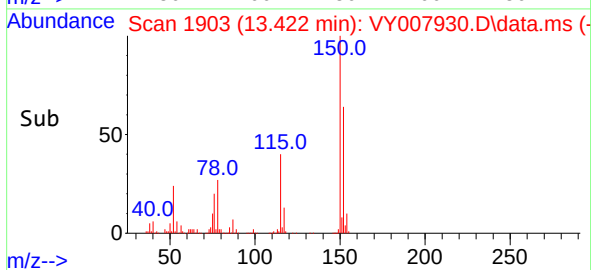
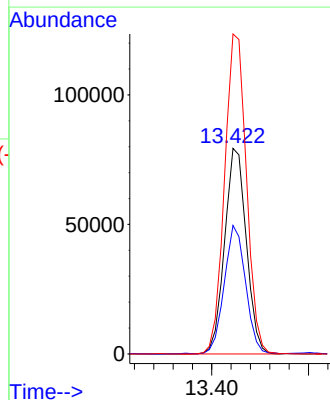
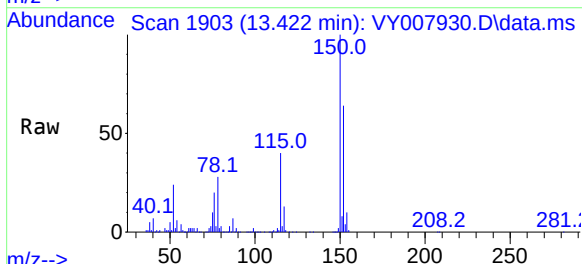
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

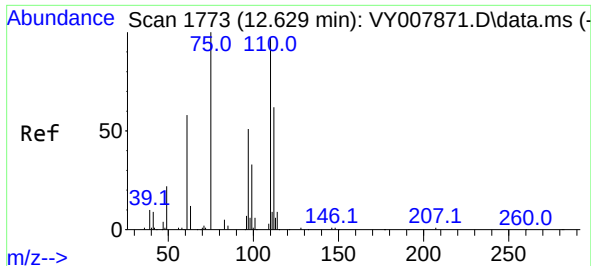
Tgt Ion:106 Resp: 4833
Ion Ratio Lower Upper
106 100
91 203.0 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion:152 Resp: 123548
Ion Ratio Lower Upper
152 100
115 61.3 28.2 84.7
150 156.6 0.0 347.6

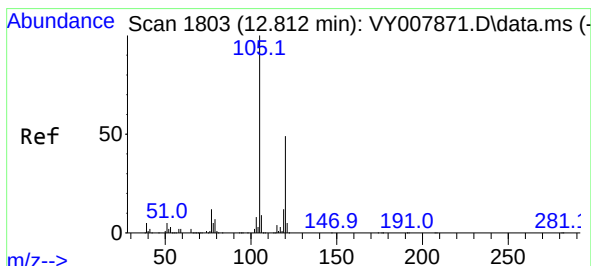
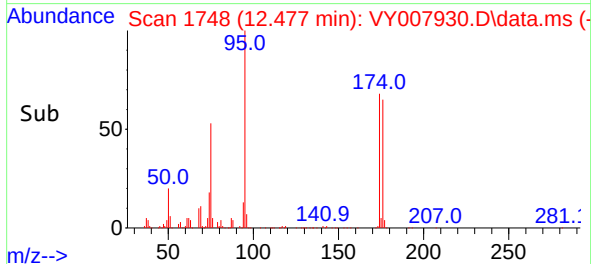
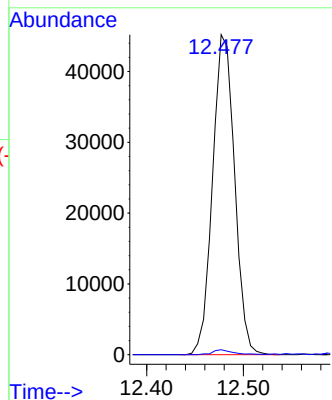
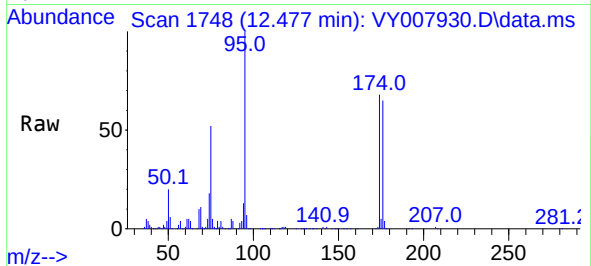




#76
1,2,3-Trichloropropane
Concen: 40.609 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

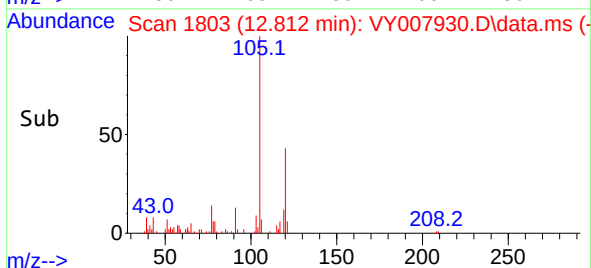
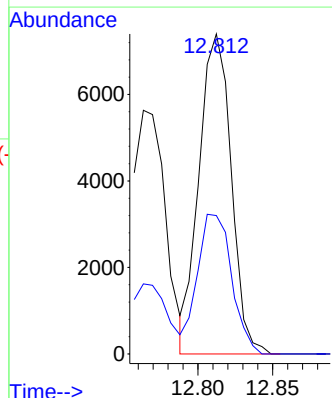
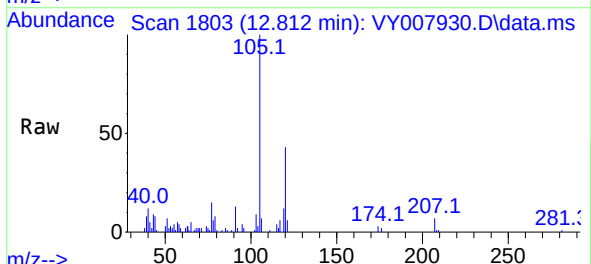
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

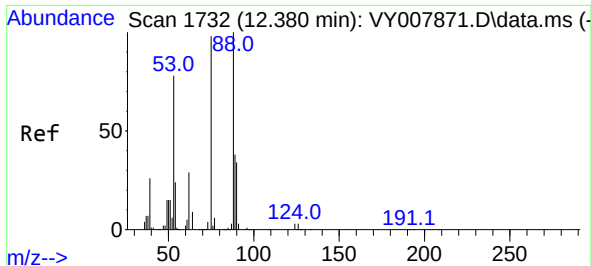
Tgt Ion: 75 Resp: 71512
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.236 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 105 Resp: 11056
Ion Ratio Lower Upper
105 100
120 46.6 24.4 73.4

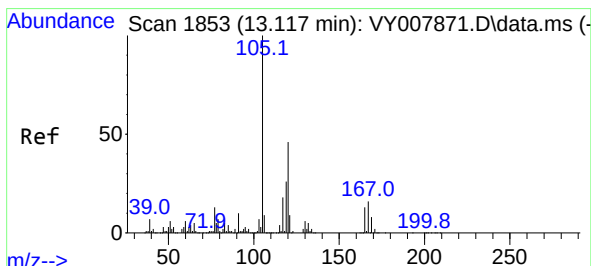
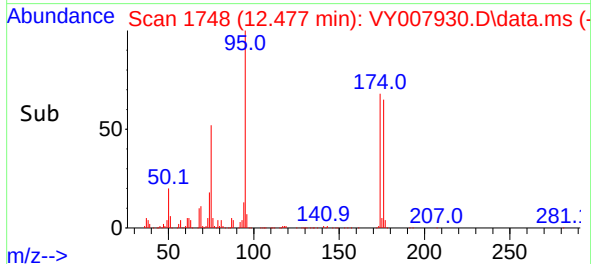
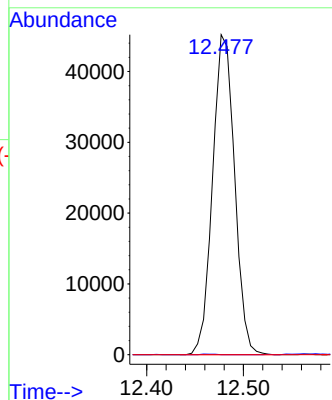
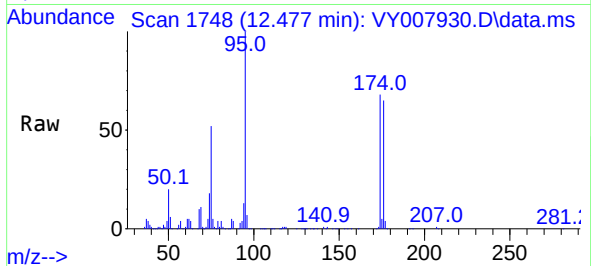




#81
trans-1,4-Dichloro-2-butene
Concen: 85.296 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

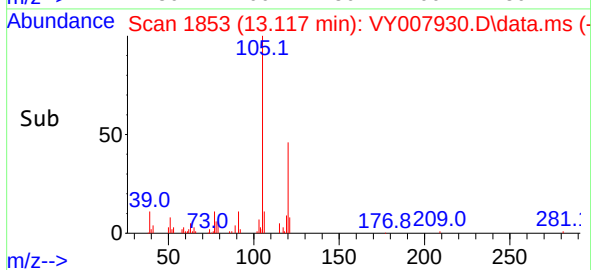
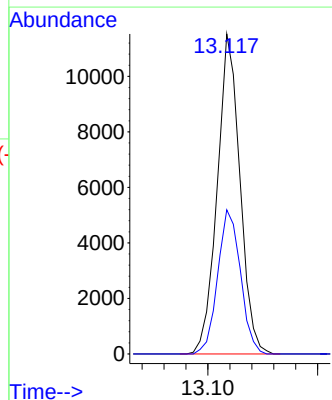
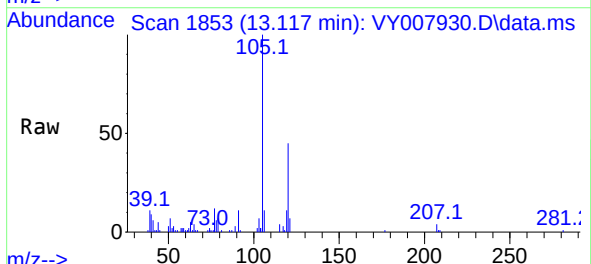
Instrument :
MSVOA_Y
ClientSampleId :
C-10-9-10

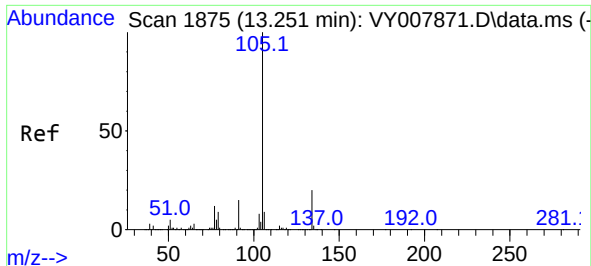
Tgt Ion: 75 Resp: 71512
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.893 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007930.D
Acq: 19 Mar 2022 03:36

Tgt Ion: 105 Resp: 16592
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9

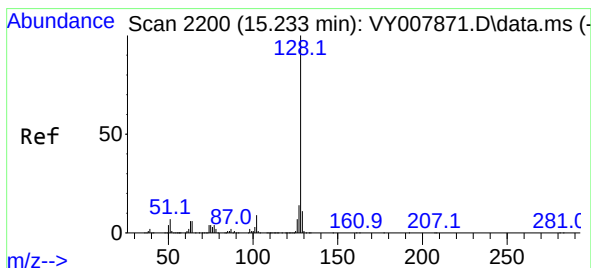
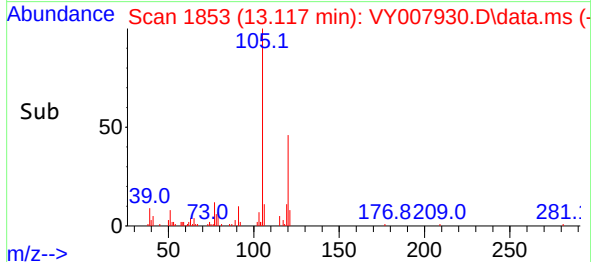
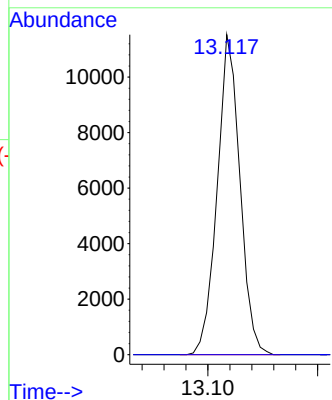
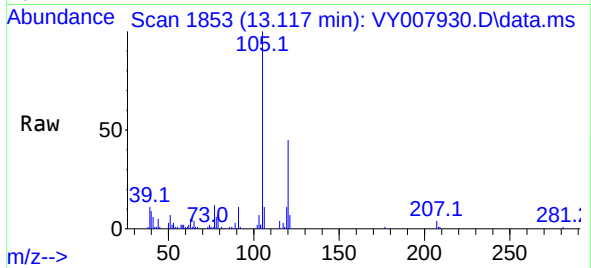




#85
 sec-Butylbenzene
 Concen: 1.383 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY007930.D
 Acq: 19 Mar 2022 03:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-10-9-10

Tgt Ion:105 Resp: 16592
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 1.286 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY007930.D
 Acq: 19 Mar 2022 03:36

Tgt Ion:128 Resp: 7921
 Ion Ratio Lower Upper
 128 100
 127 13.4 11.0 16.4
 129 10.5 8.4 12.6

