

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
 Data File : VY008277.D
 Acq On : 11 Apr 2022 16:58
 Operator : KP/MD
 Sample : N2329-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 12 06:59:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

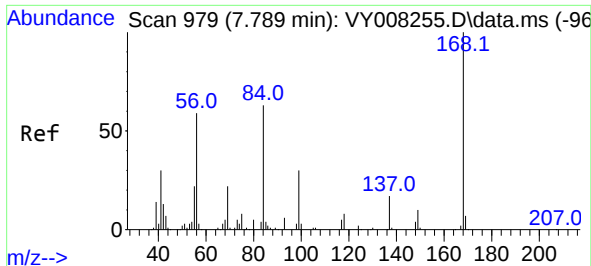
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	4740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	9008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	8860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3500	78.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.220%	
35) Dibromofluoromethane	7.722	113	2859	54.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.900%	
50) Toluene-d8	10.179	98	10644	59.787	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.580%	
62) 4-Bromofluorobenzene	12.483	95	4391	65.574	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	183	Below Cal	#	44
5) Bromomethane	2.662	94	118	Below Cal		94
10) Methyl Iodide	4.082	142	90	3.861	ug/l #	35
20) Methylene Chloride	4.710	84	95	Below Cal	#	65
36) 1,1-Dichloropropene	7.783	75	292	3.515	ug/l #	42
38) Carbon Tetrachloride	7.783	117	461	5.158	ug/l #	11
59) 2-Hexanone	10.813	43	42	1.487	ug/l #	28
73) Isopropylbenzene	12.331	105	672	2.401	ug/l	75
74) N-amyl acetate	12.124	43	367	6.041	ug/l #	56
76) 1,2,3-Trichloropropane	12.483	75	2060	49.485	ug/l #	100
77) Bromobenzene	12.368	156	937	13.664	ug/l #	1
78) n-propylbenzene	12.672	91	1103	3.340	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.483	75	2060	110.721	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	399	1.757	ug/l #	31
85) sec-Butylbenzene	13.252	105	969	3.175	ug/l	84
89) n-Butylbenzene	13.697	91	884	3.842	ug/l	89
90) Hexachloroethane	13.977	117	238	5.000	ug/l #	6
95) Naphthalene	15.239	128	266	1.738	ug/l #	81

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

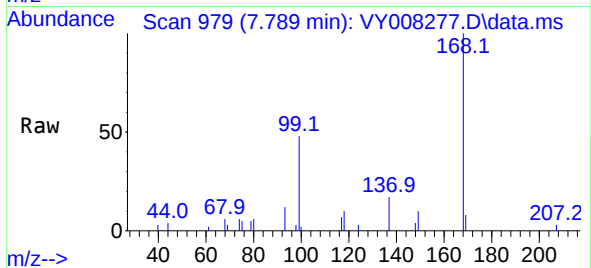
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 08 16:02:50 2022
Response via : Initial Calibration



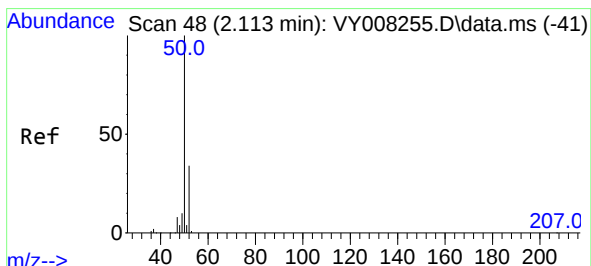
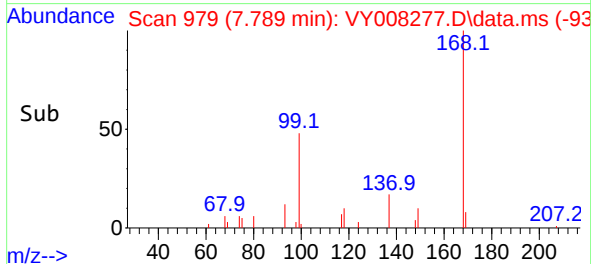
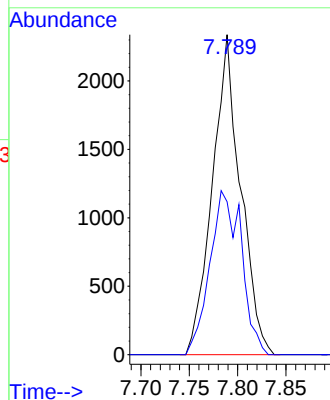


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Instrument :
MSVOA_Y
ClientSampleId :

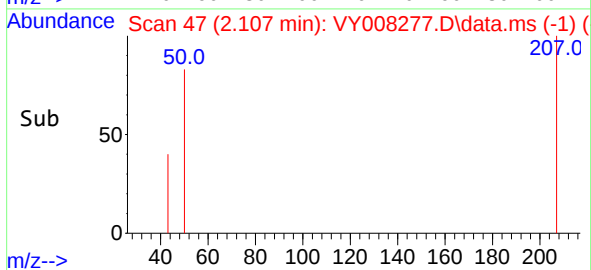
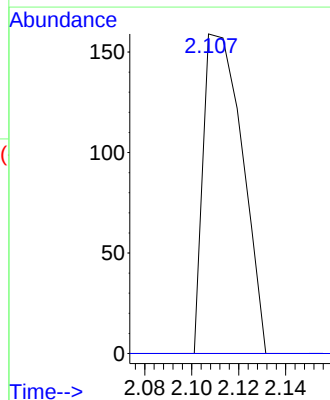
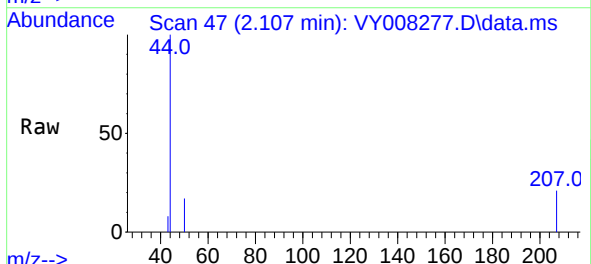


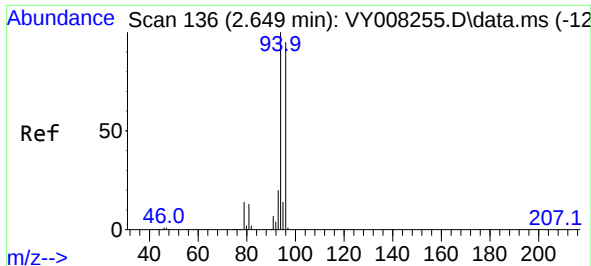
Tgt Ion:168 Resp: 4740
Ion Ratio Lower Upper
168 100
99 47.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Tgt Ion: 50 Resp: 183
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

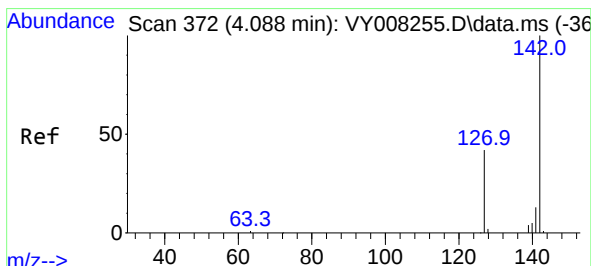
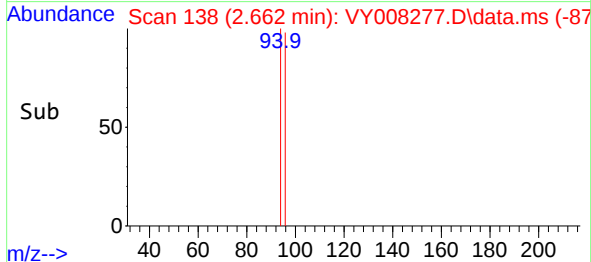
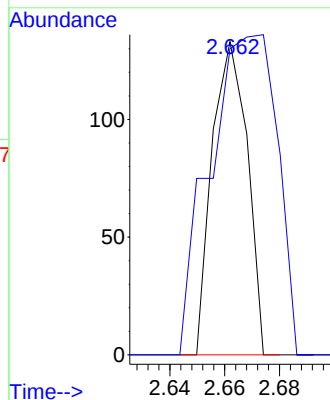
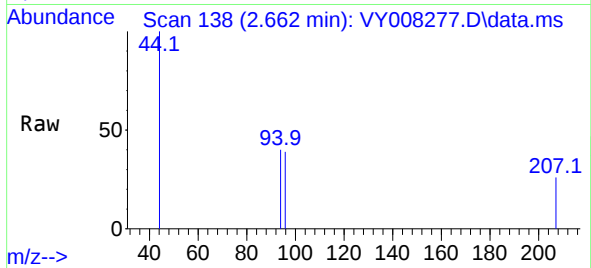




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

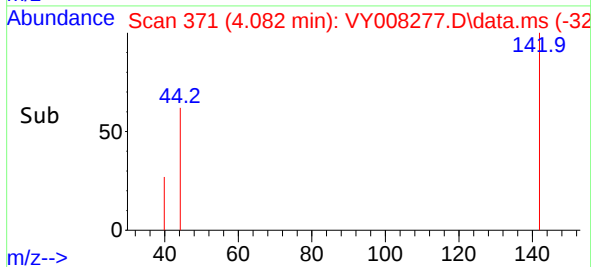
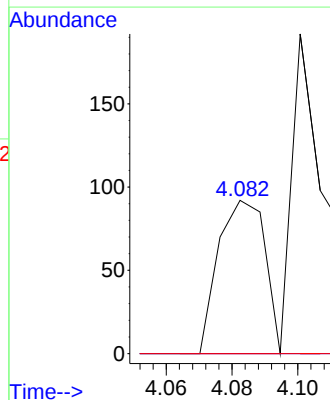
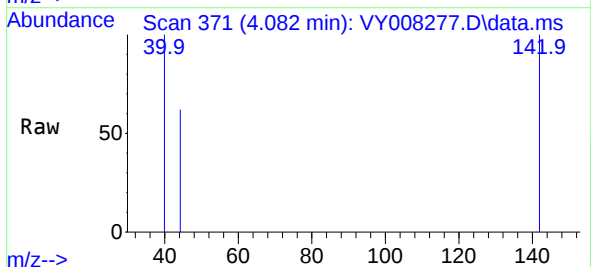
Instrument :
MSVOA_Y
ClientSampleId :

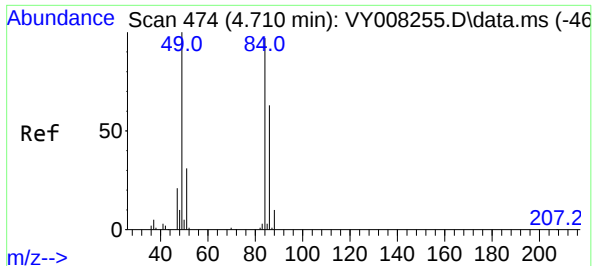
Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 97.7 73.5 110.3



#10
Methyl Iodide
Concen: 3.861 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

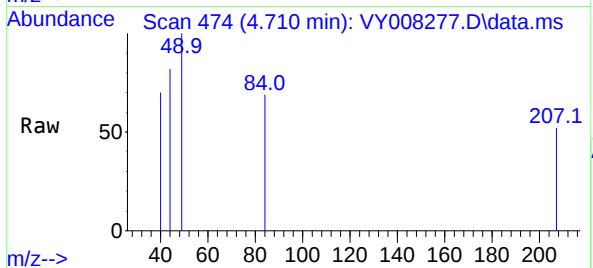
Tgt Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



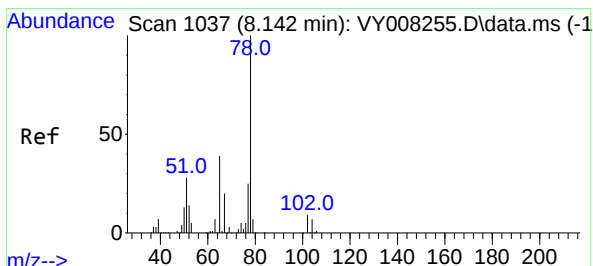
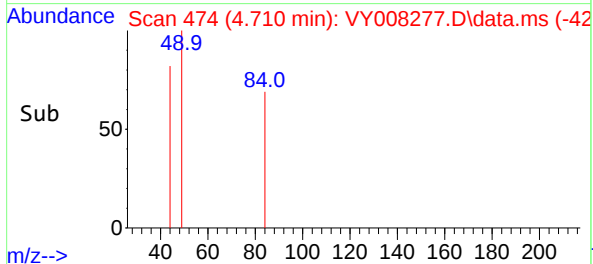
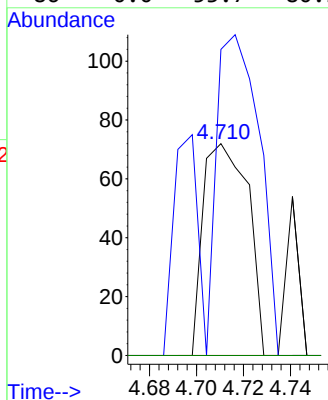


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Instrument :
MSVOA_Y
ClientSampleId :

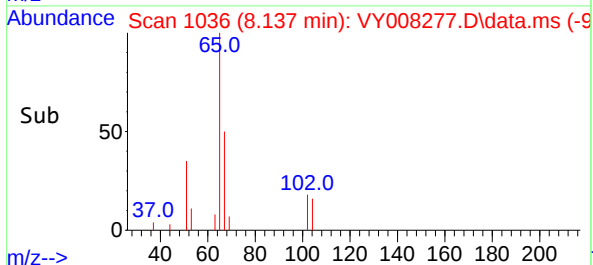
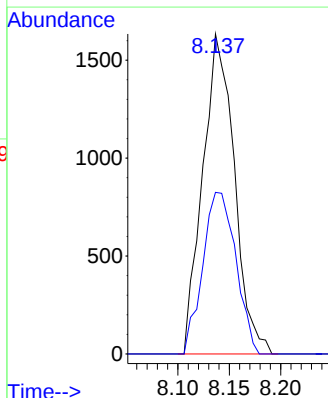
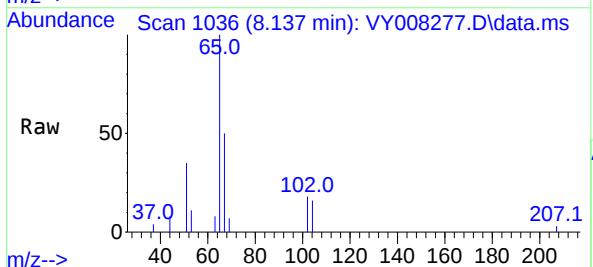


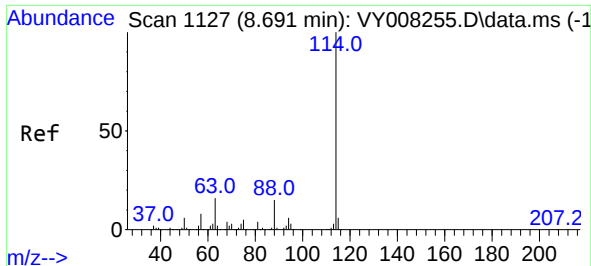
Tgt Ion: 84 Resp: 95
Ion Ratio Lower Upper
84 100
49 144.4 114.4 171.6
51 0.0 35.3 52.9#
86 0.0 53.7 80.5#



#33
1,2-Dichloroethane-d4
Concen: 78.609 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Tgt Ion: 65 Resp: 3500
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008277.D

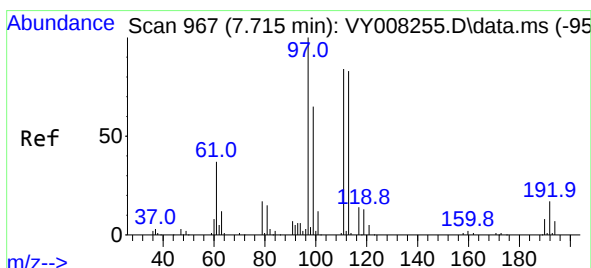
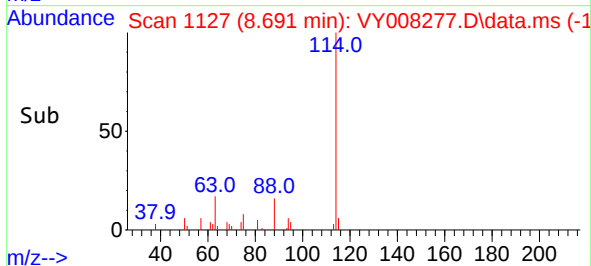
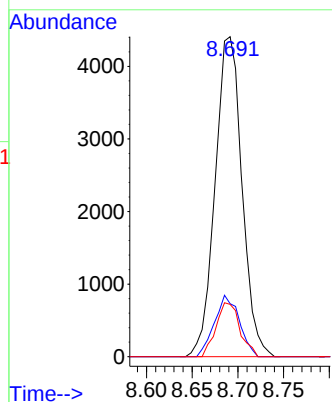
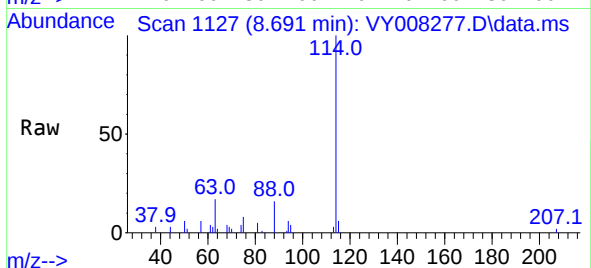
Acq: 11 Apr 2022 16:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	9008
Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	43.2
88	16.4	0.0	31.8



#35

Dibromofluoromethane

Concen: 54.950 ug/l

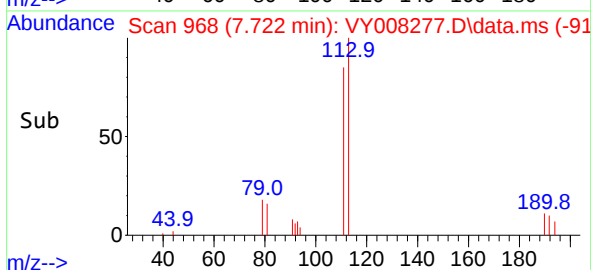
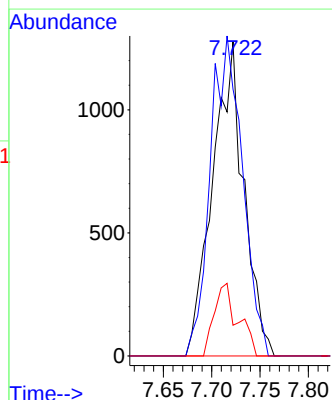
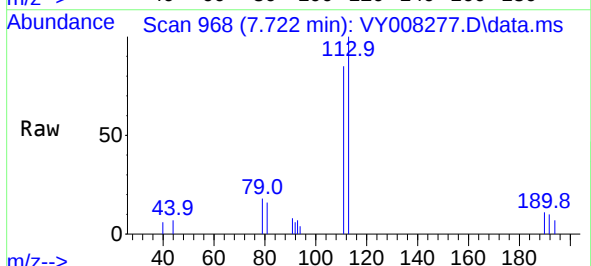
RT: 7.722 min Scan# 968

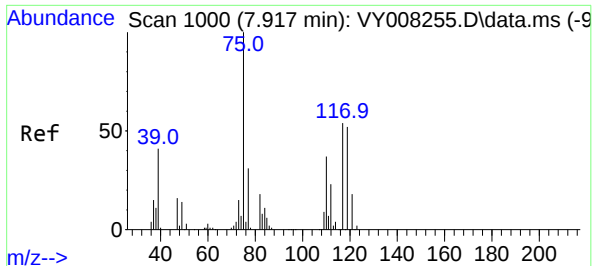
Delta R.T. 0.007 min

Lab File: VY008277.D

Acq: 11 Apr 2022 16:58

Tgt Ion:	113	Resp:	2859
Ion	Ratio	Lower	Upper
113	100		
111	105.1	82.6	124.0
192	17.5	17.6	26.4#





#36

1,1-Dichloropropene

Concen: 3.515 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008277.D

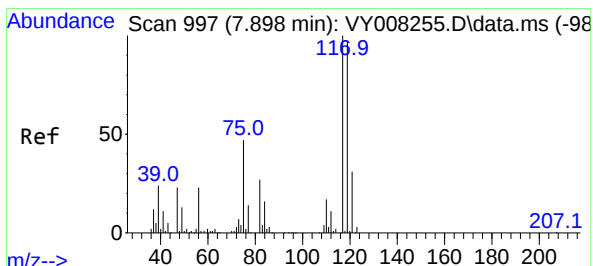
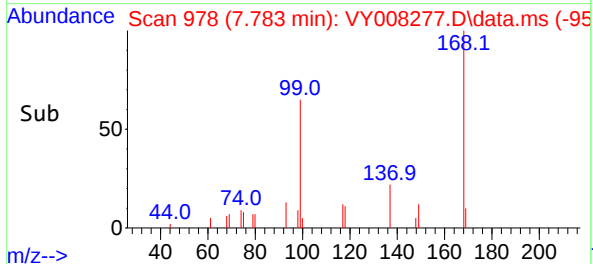
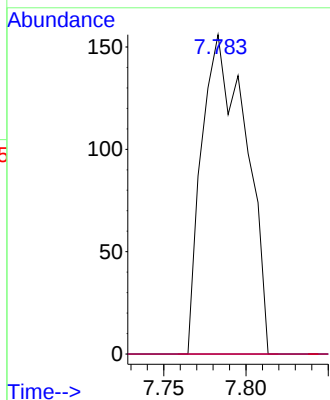
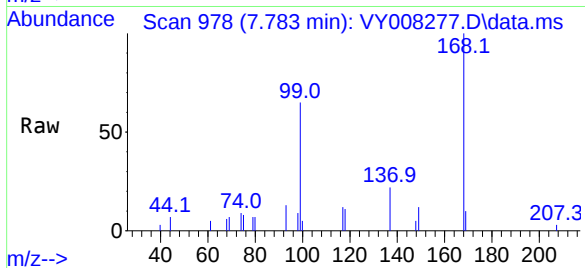
Acq: 11 Apr 2022 16:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	292
Ion	Ratio	Lower Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.158 ug/l

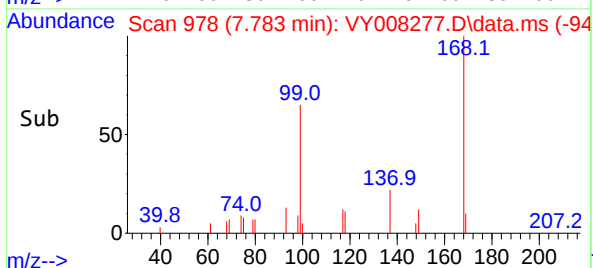
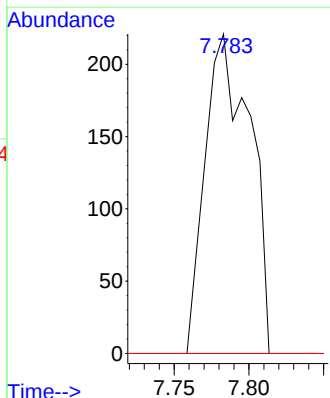
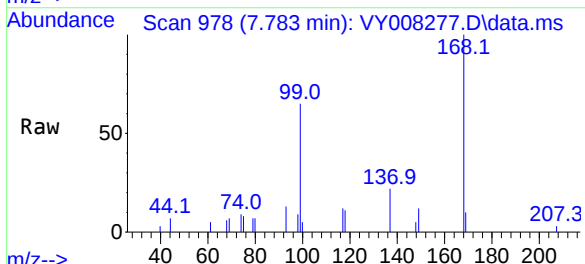
RT: 7.783 min Scan# 978

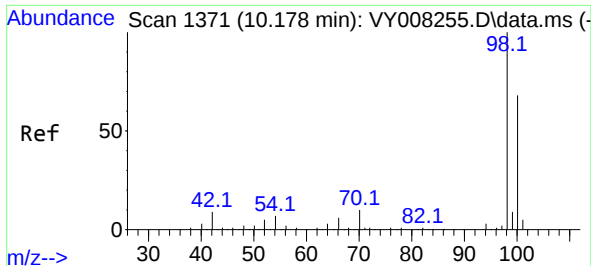
Delta R.T. -0.115 min

Lab File: VY008277.D

Acq: 11 Apr 2022 16:58

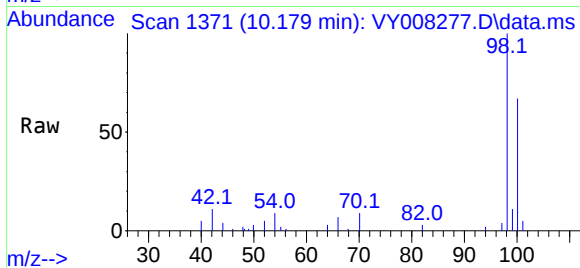
Tgt Ion: 117	Resp:	461
Ion	Ratio	Lower Upper
117	100	
119	0.0	77.9 116.9#
121	0.0	24.8 37.2#



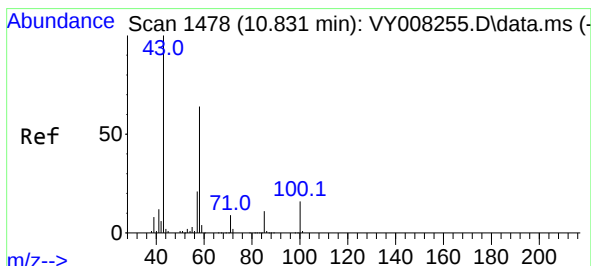
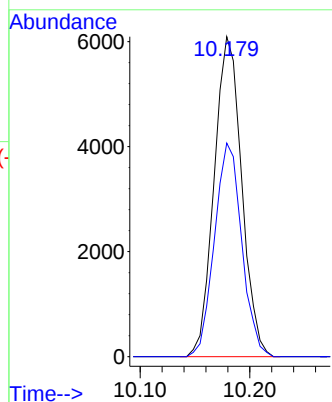
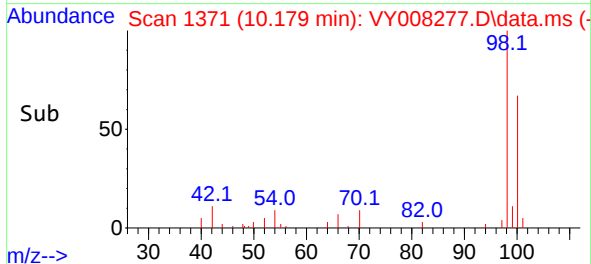


#50
Toluene-d8
Concen: 59.787 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

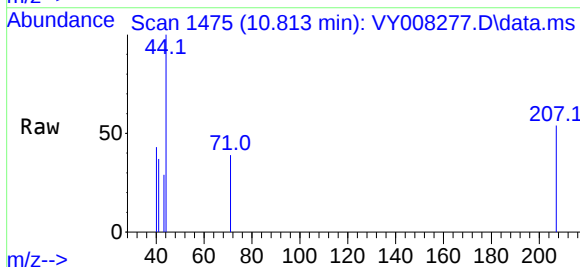
Instrument :
MSVOA_Y
ClientSampleId :



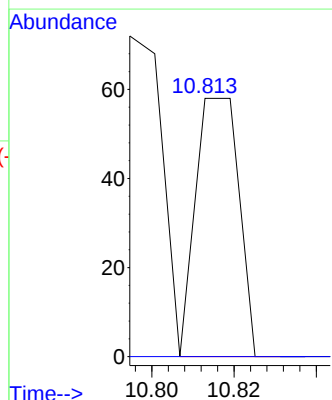
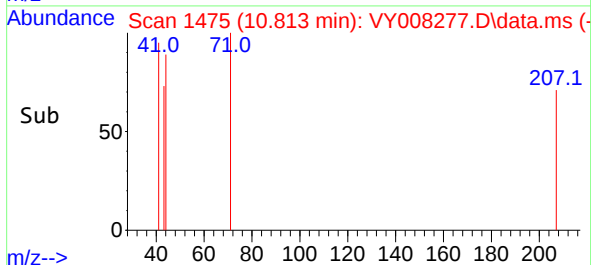
Tgt Ion: 98 Resp: 10644
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

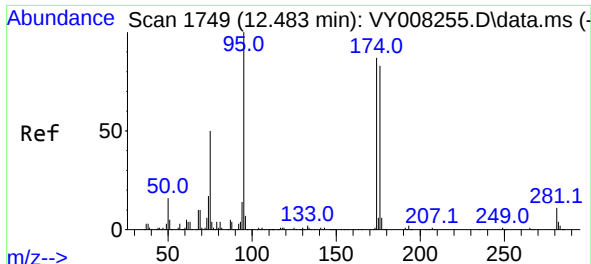


#59
2-Hexanone
Concen: 1.487 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58



Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

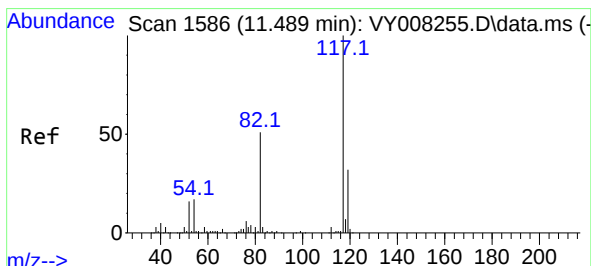
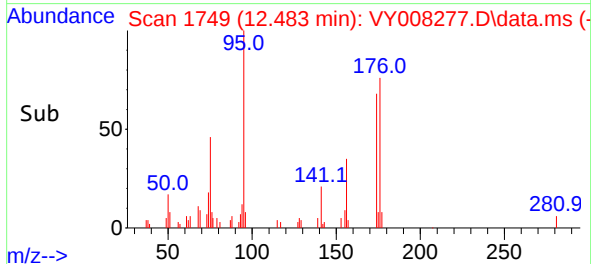
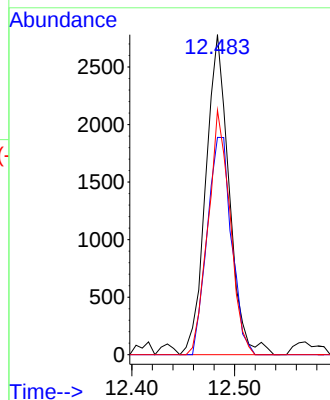
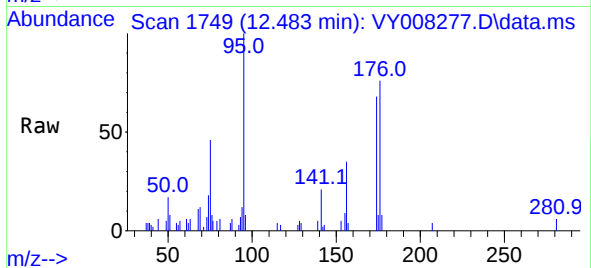




#62
4-Bromofluorobenzene
Concen: 65.574 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

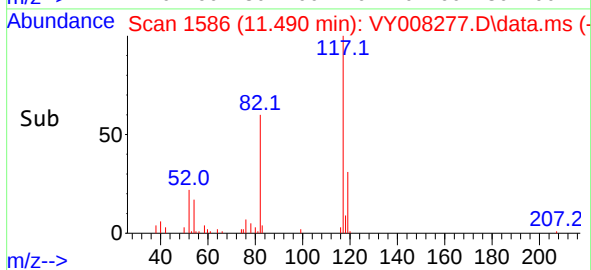
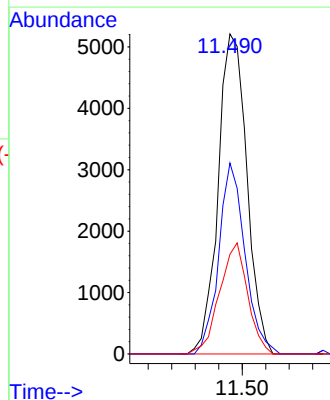
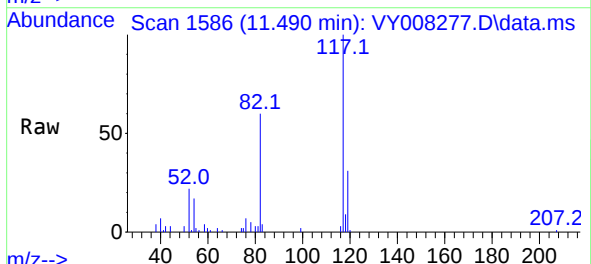
Instrument :
MSVOA_Y
ClientSampleId :

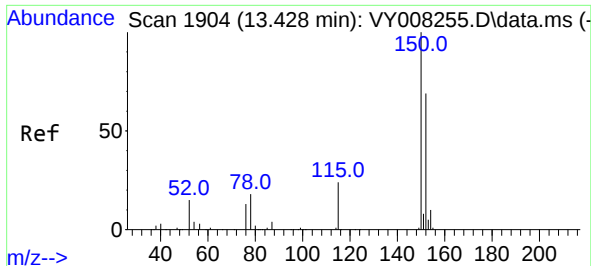
Tgt Ion: 95 Resp: 4391
Ion Ratio Lower Upper
95 100
174 70.7 0.0 177.0
176 71.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

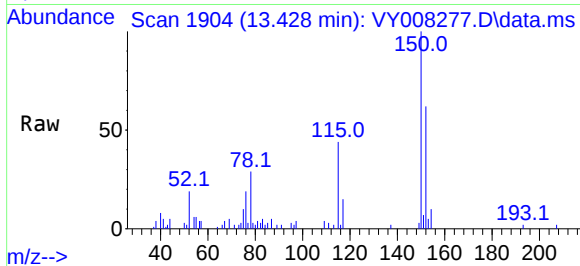
Tgt Ion: 117 Resp: 8860
Ion Ratio Lower Upper
117 100
82 59.6 43.0 64.4
119 31.2 25.4 38.0



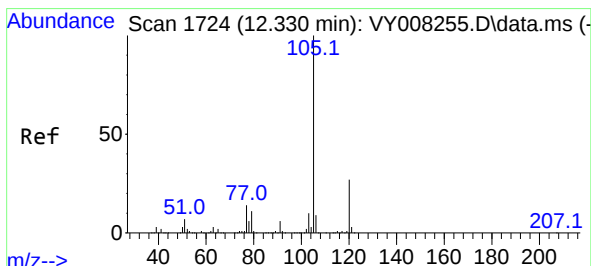
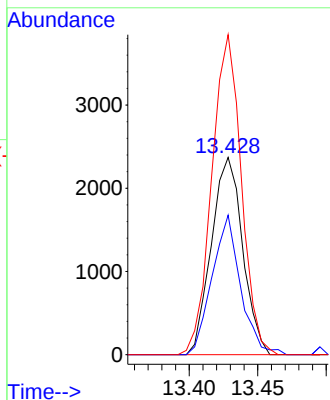
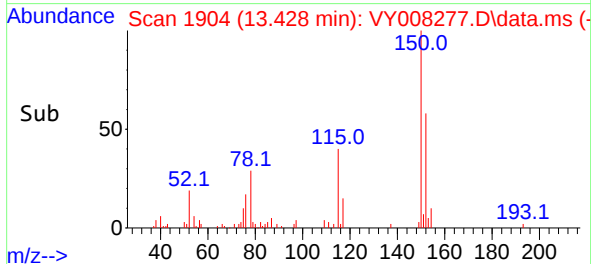


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

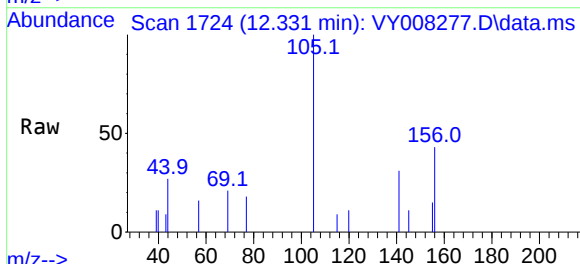
Instrument :
MSVOA_Y
ClientSampleId :



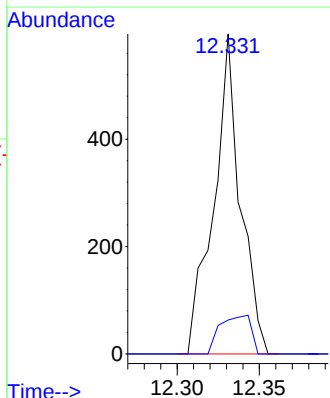
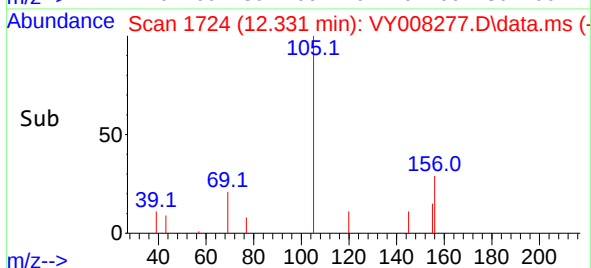
Tgt Ion:152 Resp: 3764
Ion Ratio Lower Upper
152 100
115 64.5 28.2 84.7
150 153.2 0.0 347.6

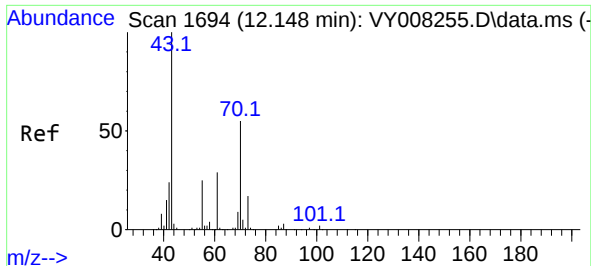


#73
Isopropylbenzene
Concen: 2.401 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58



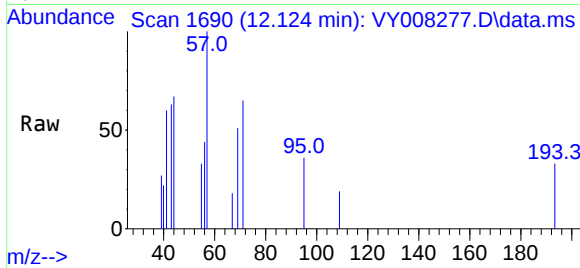
Tgt Ion:105 Resp: 672
Ion Ratio Lower Upper
105 100
120 14.0 13.4 40.2



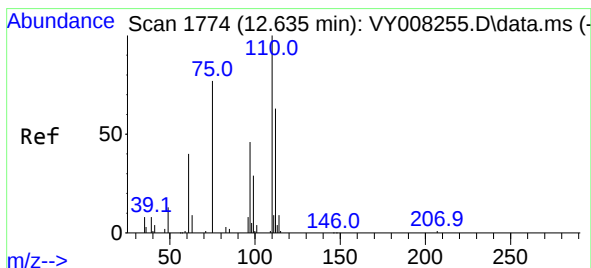
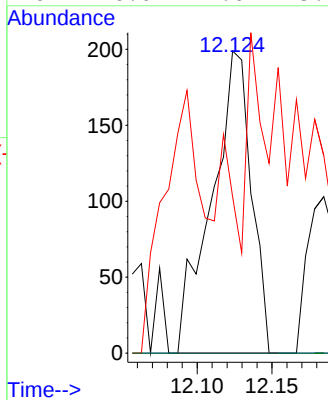
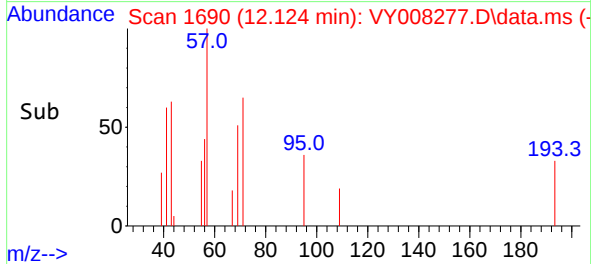


#74
N-amy1 acetate
Concen: 6.041 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

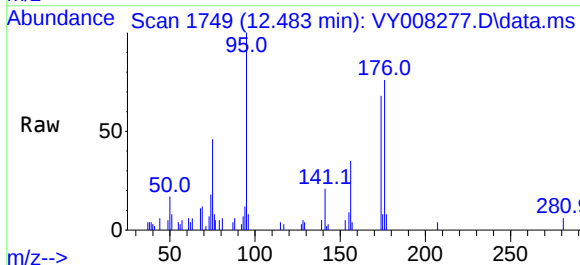
Instrument :
MSVOA_Y
ClientSampleId :



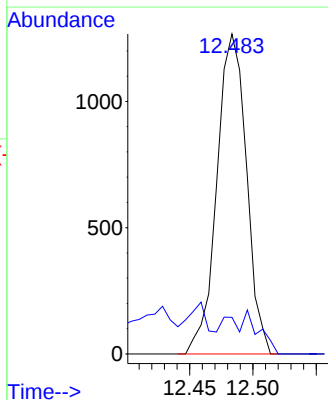
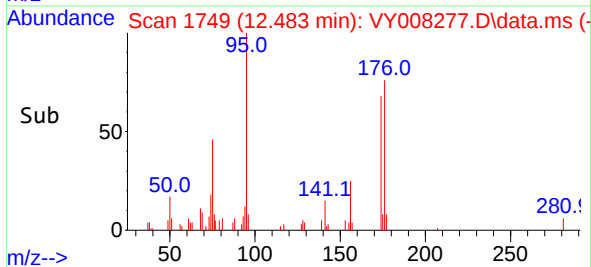
Tgt Ion: 43	Resp:	367	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	28.9	17.3	25.9#
61	0.0	17.0	25.6#

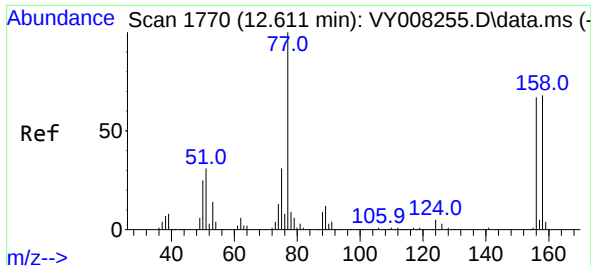


#76
1,2,3-Trichloropropane
Concen: 49.485 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58



Tgt Ion: 75	Resp:	2060	
Ion Ratio	Lower	Upper	
75 100			
77 2.1	0.0	0.0#	

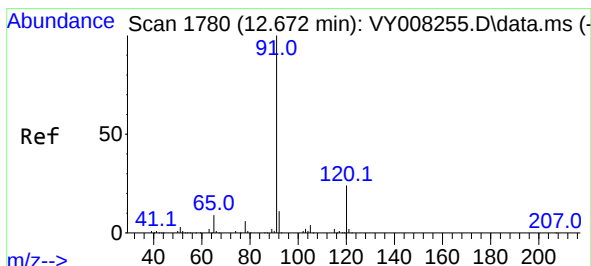
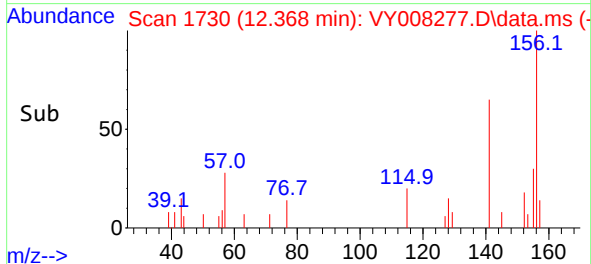
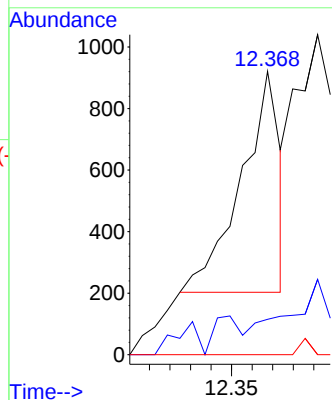
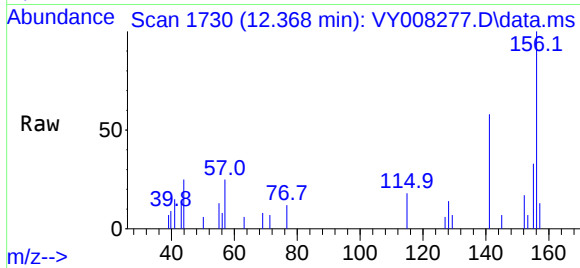




#77
Bromobenzene
Concen: 13.664 ug/l
RT: 12.368 min Scan# 11
Delta R.T. -0.243 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

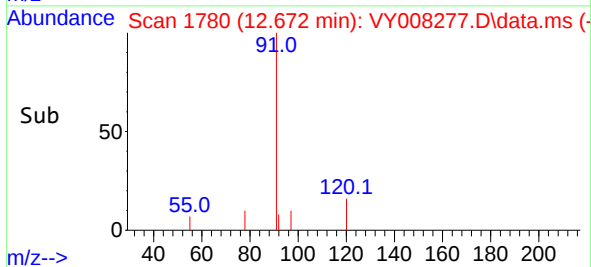
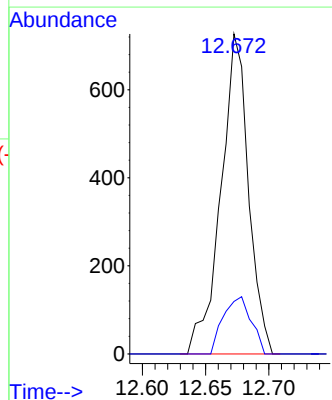
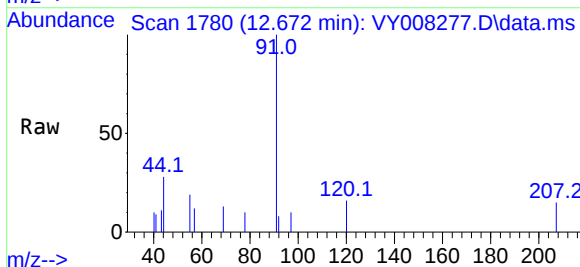
Instrument :
MSVOA_Y
ClientSampleId :

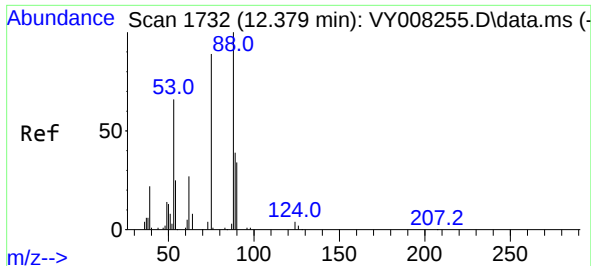
Tgt Ion:156 Resp: 937
Ion Ratio Lower Upper
156 100
77 12.1 95.5 286.4#
158 0.0 48.0 144.0#



#78
n-propylbenzene
Concen: 3.340 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

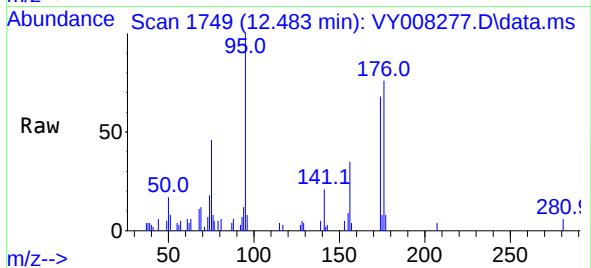
Tgt Ion: 91 Resp: 1103
Ion Ratio Lower Upper
91 100
120 18.0 11.3 33.9



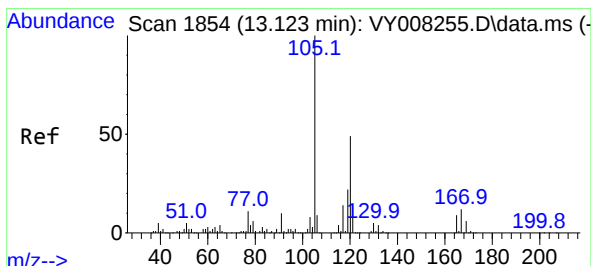
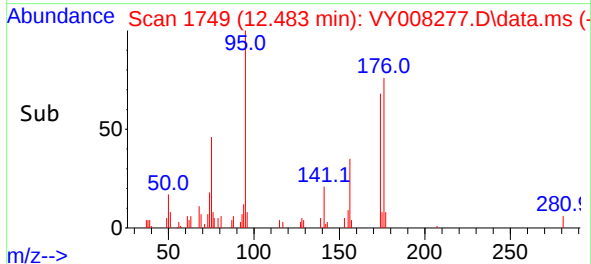
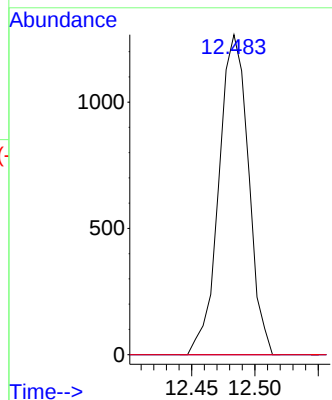


#81
trans-1,4-Dichloro-2-butene
Concen: 110.721 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Instrument :
MSVOA_Y
ClientSampleId :

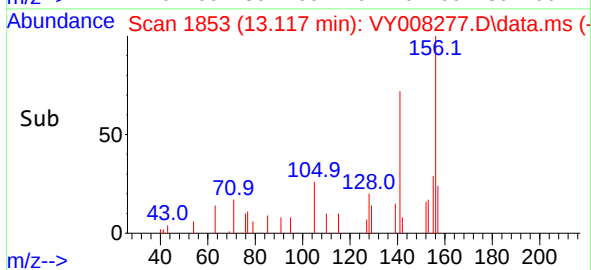
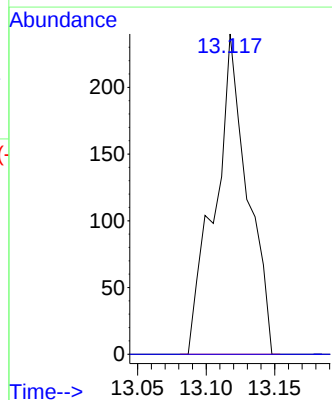
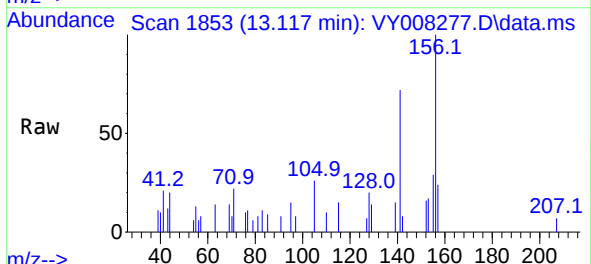


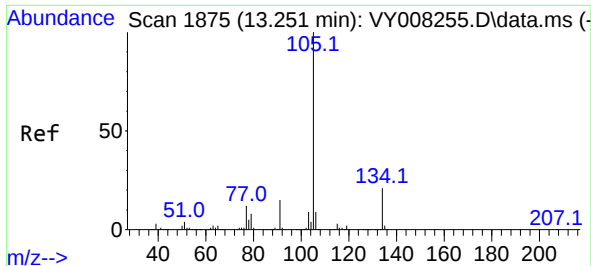
Tgt Ion: 75 Resp: 2060
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.757 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

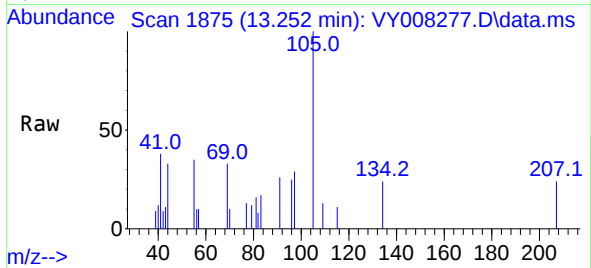
Tgt Ion: 105 Resp: 399
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#



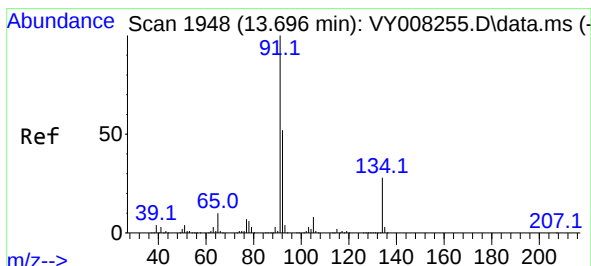
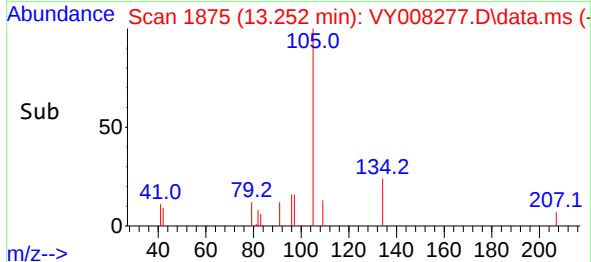
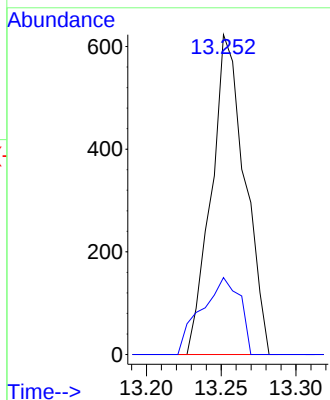


#85
 sec-Butylbenzene
 Concen: 3.175 ug/l
 RT: 13.252 min Scan# 1875
 Delta R.T. 0.001 min
 Lab File: VY008277.D
 Acq: 11 Apr 2022 16:58

Instrument :
 MSVOA_Y
 ClientSampleId :

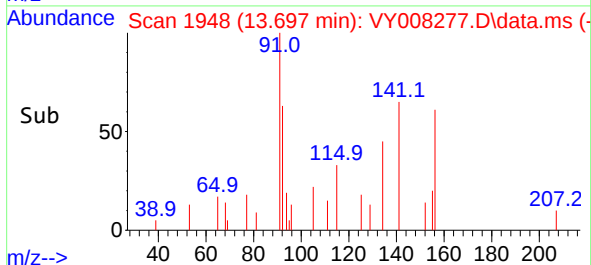
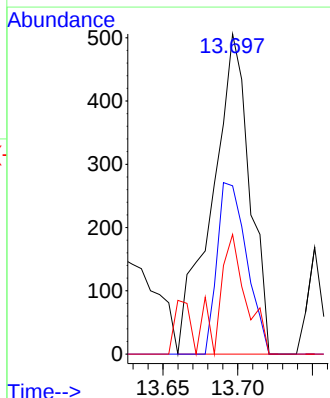
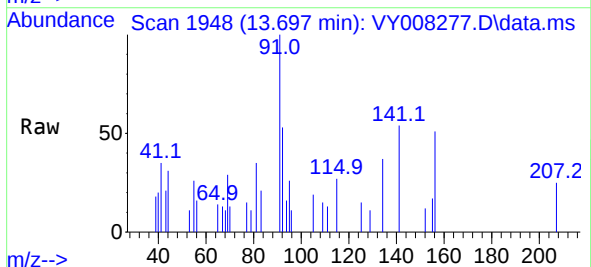


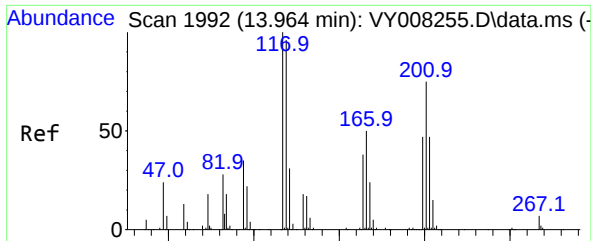
Tgt Ion:105 Resp: 969
 Ion Ratio Lower Upper
 105 100
 134 27.9 10.2 30.4



#89
 n-Butylbenzene
 Concen: 3.842 ug/l
 RT: 13.697 min Scan# 1948
 Delta R.T. 0.001 min
 Lab File: VY008277.D
 Acq: 11 Apr 2022 16:58

Tgt Ion: 91 Resp: 884
 Ion Ratio Lower Upper
 91 100
 92 42.1 26.3 78.9
 134 27.0 13.0 38.9

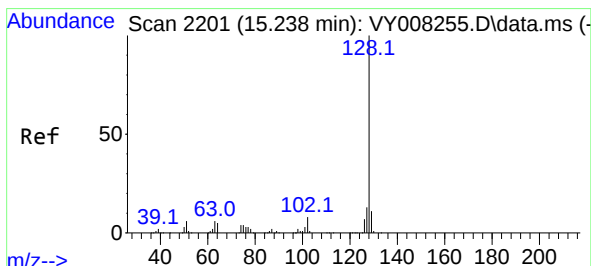
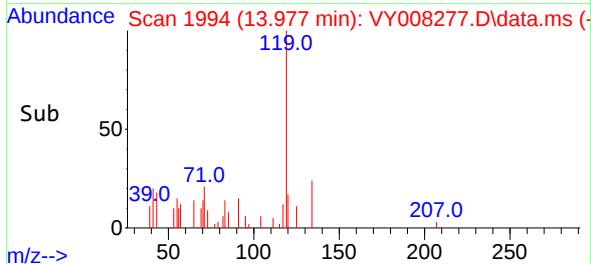
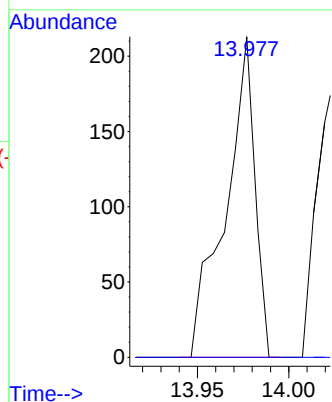
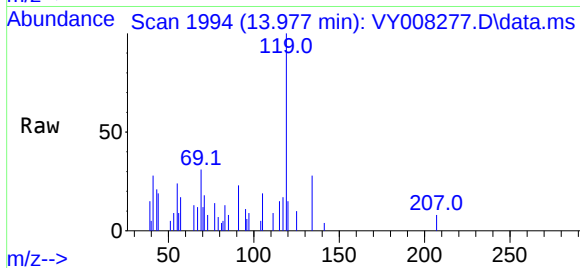




#90
Hexachloroethane
Concen: 5.000 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.013 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 238
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 1.738 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.001 min
Lab File: VY008277.D
Acq: 11 Apr 2022 16:58

Tgt Ion:128 Resp: 266
Ion Ratio Lower Upper
128 100
127 9.0 11.0 16.4#
129 0.0 8.4 12.6#

