

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007173.D
 Acq On : 14 Jan 2022 16:54
 Operator : SY/MD
 Sample : N1152-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 04:59:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

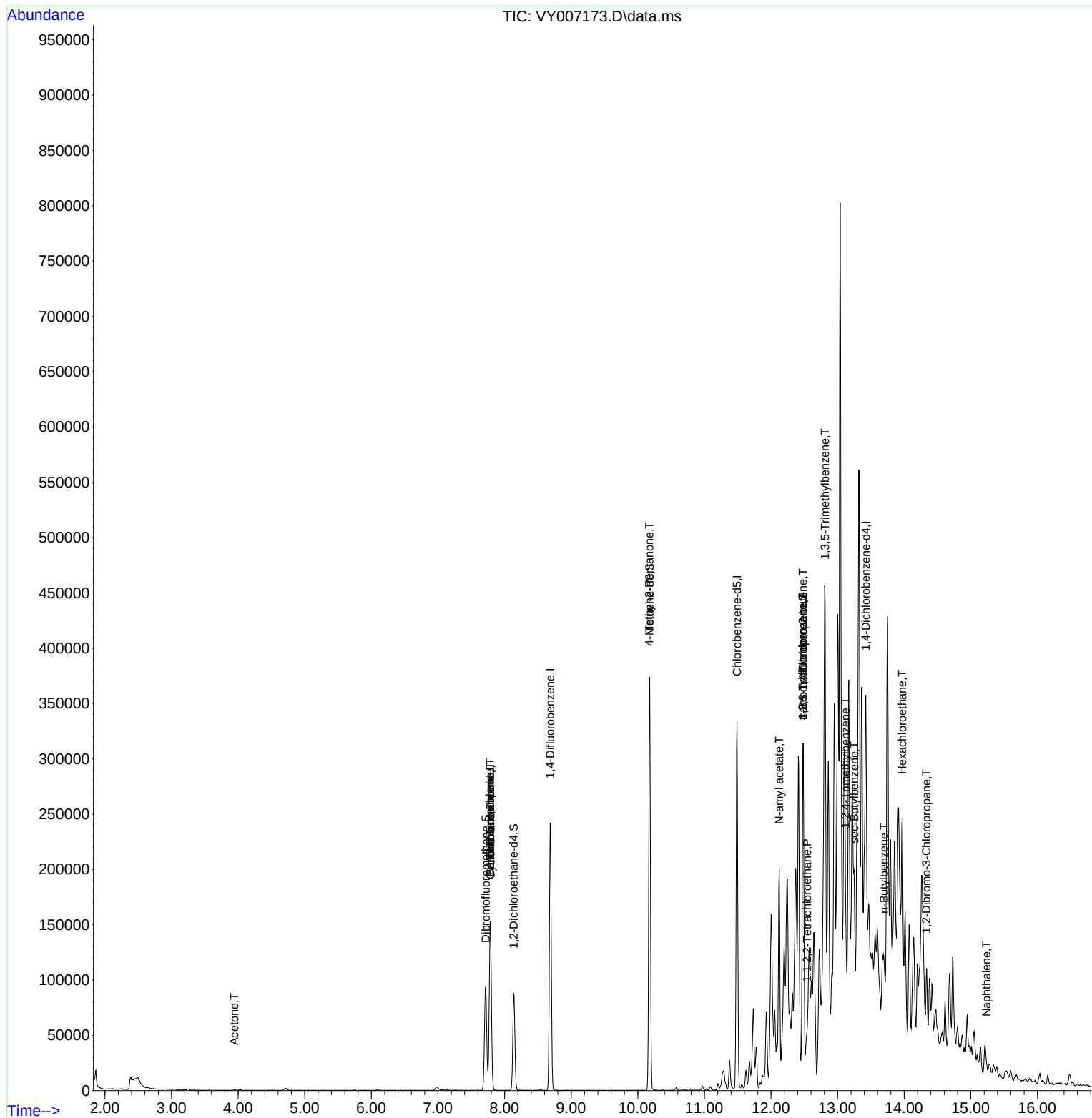
Internal Standards						
1) Pentafluorobenzene	7.783	168	114022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69768	49.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.740%		
35) Dibromofluoromethane	7.715	113	67415	48.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.840%		
50) Toluene-d8	10.178	98	246295	48.412	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.820%		
62) 4-Bromofluorobenzene	12.477	95	77486	42.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	53	Below Cal	#	73
16) Acetone	3.942	43	795	2.190	ug/l	98
31) Cyclohexane	7.789	56	2418	1.022	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	9016	4.055	ug/l #	52
38) Carbon Tetrachloride	7.783	117	12043	5.149	ug/l #	16
51) 4-Methyl-2-Pentanone	10.172	43	1133	1.006	ug/l #	1
74) N-amyl acetate	12.123	43	36074	25.072	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.544	83	2098	2.005	ug/l #	25
76) 1,2,3-Trichloropropane	12.477	75	40264	56.682	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	5119	1.159	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40264	103.769	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	19160	4.375	ug/l	99
85) sec-Butylbenzene	13.251	105	10047	1.759	ug/l #	54
89) n-Butylbenzene	13.696	91	17007	3.680	ug/l #	74
90) Hexachloroethane	13.970	117	2515	2.741	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.330	75	241	1.334	ug/l #	3
95) Naphthalene	15.232	128	4814	1.828	ug/l #	81

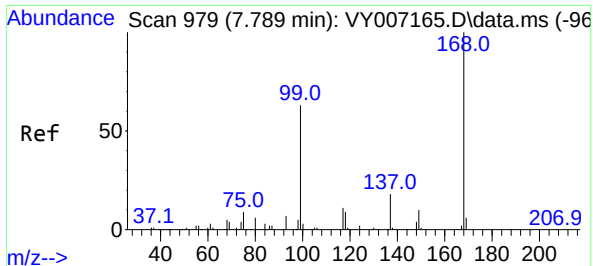
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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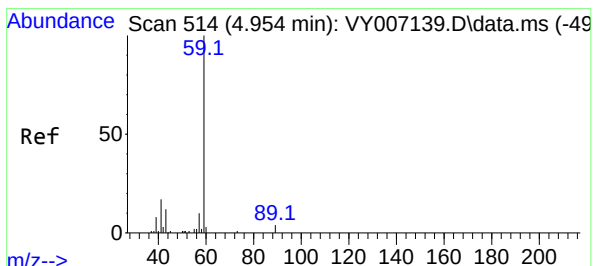
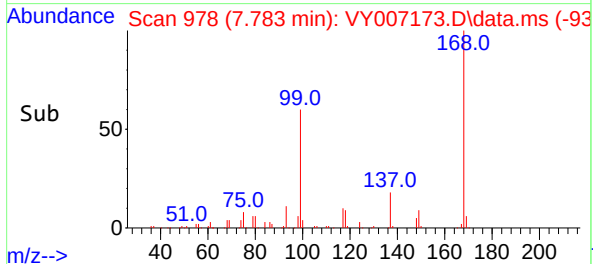
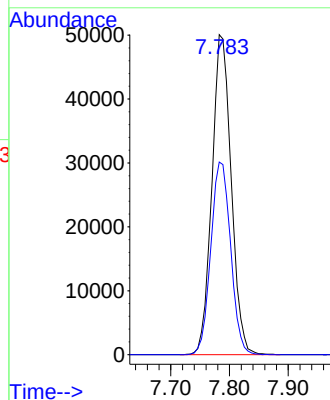
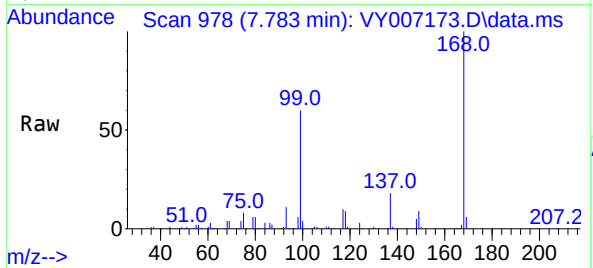




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

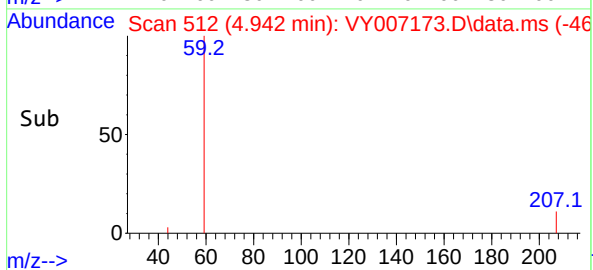
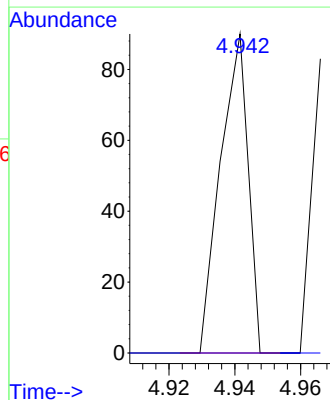
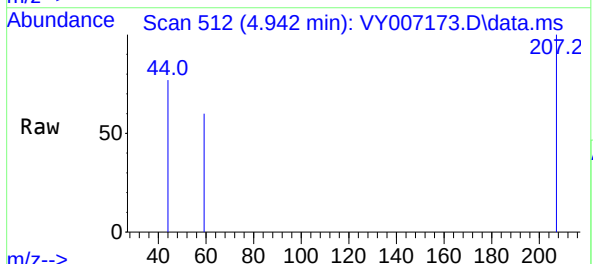
Instrument :
MSVOA_Y
ClientSampleId :

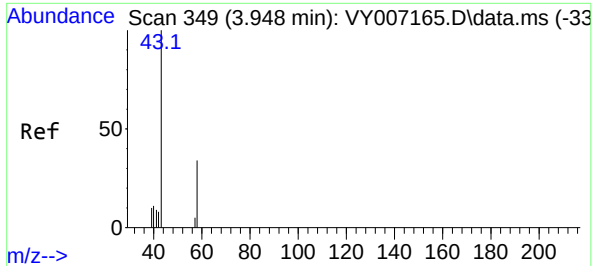
Tgt Ion:168 Resp: 114022
Ion Ratio Lower Upper
168 100
99 60.2 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

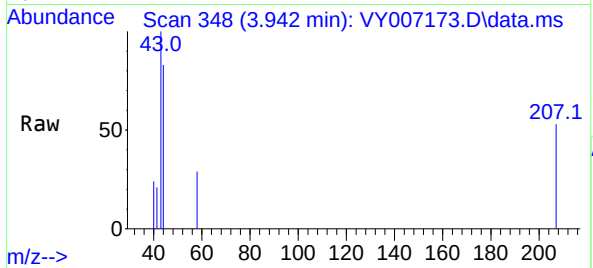
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



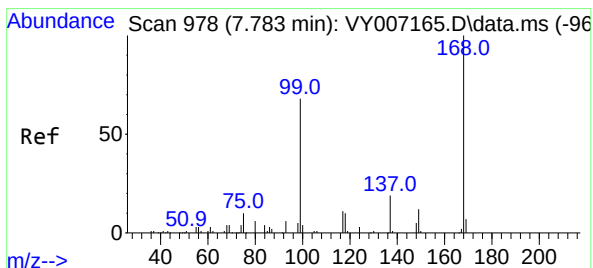
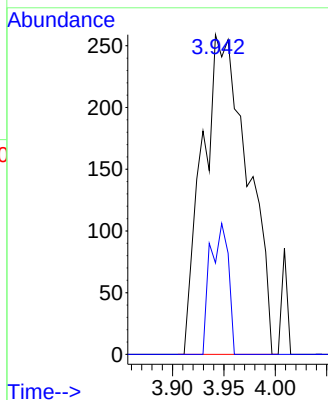
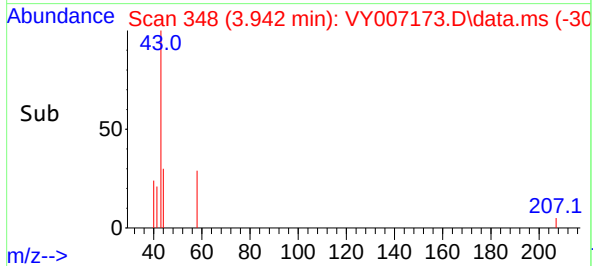


#16
Acetone
Concen: 2.190 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

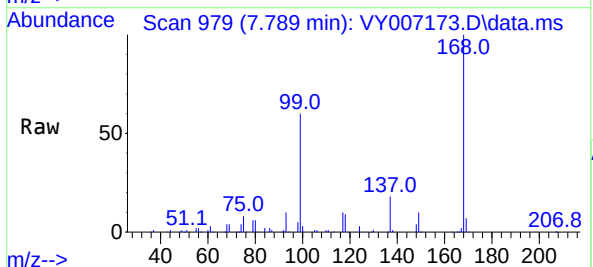
Instrument :
MSVOA_Y
ClientSampleId :



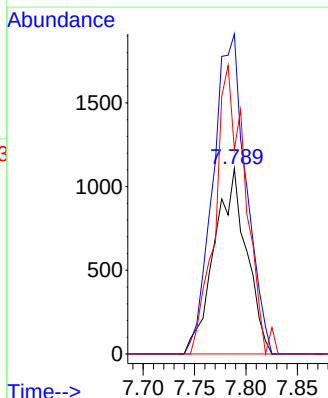
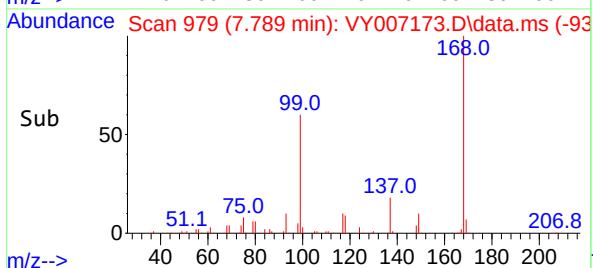
Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.6

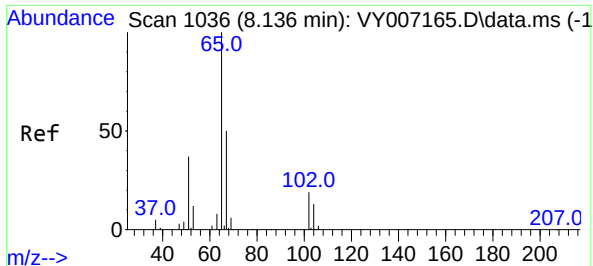


#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54



Tgt Ion: 56 Resp: 2418
Ion Ratio Lower Upper
56 100
69 172.6 27.2 40.8#
84 110.3 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 49.868 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007173.D

Acq: 14 Jan 2022 16:54

Instrument :

MSVOA_Y

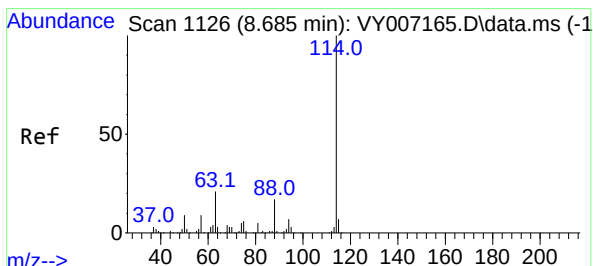
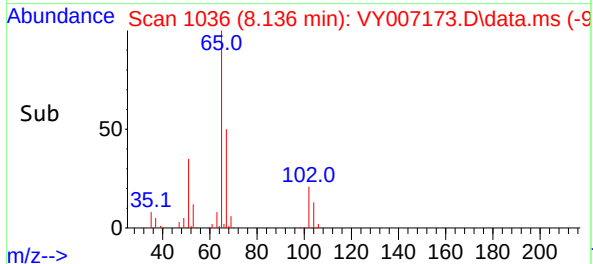
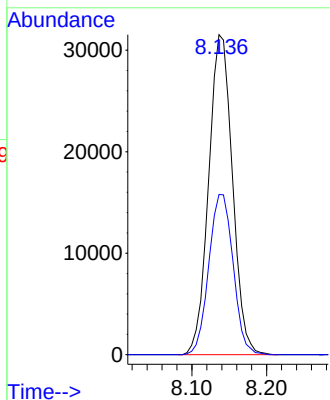
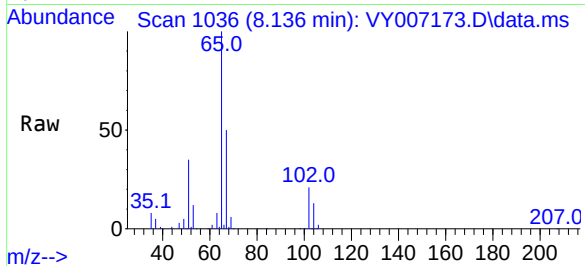
ClientSampleId :

Tgt Ion: 65 Resp: 69768

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007173.D

Acq: 14 Jan 2022 16:54

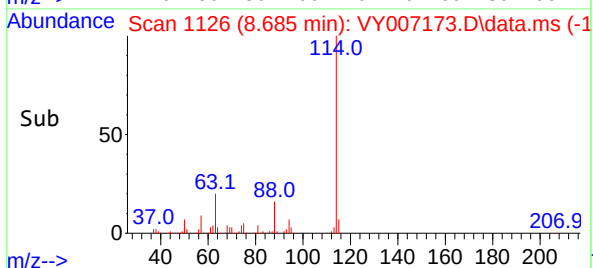
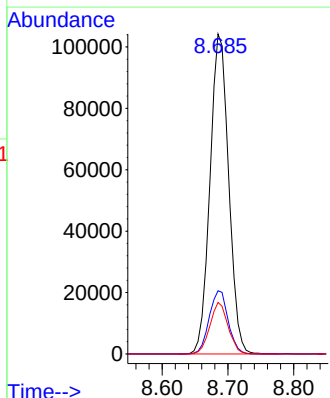
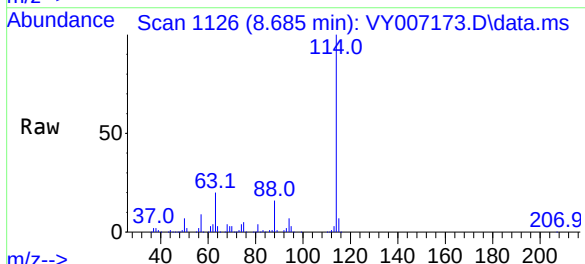
Tgt Ion: 114 Resp: 205907

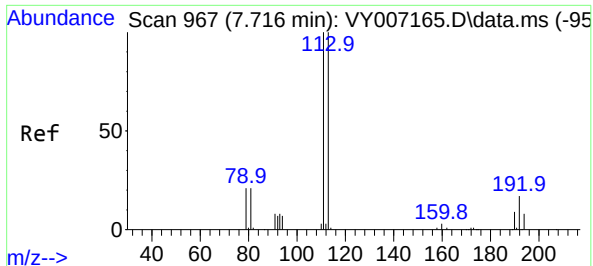
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 16.1 0.0 31.0

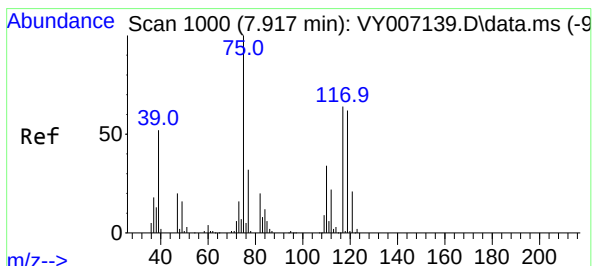
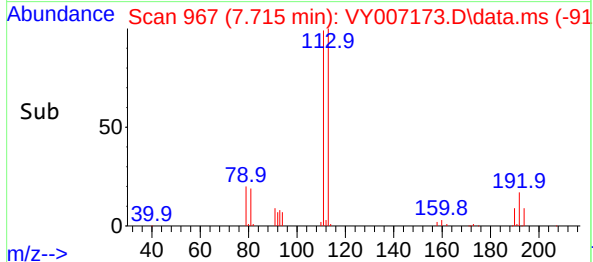
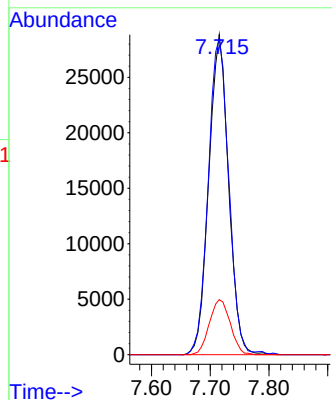
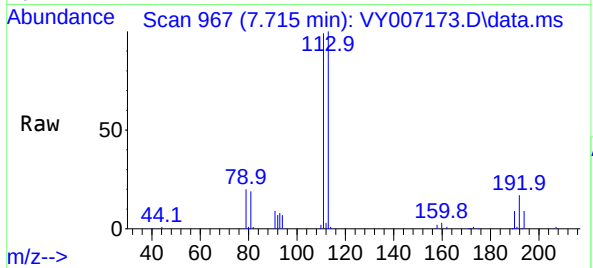




#35
Dibromofluoromethane
Concen: 48.419 ug/l
RT: 7.715 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

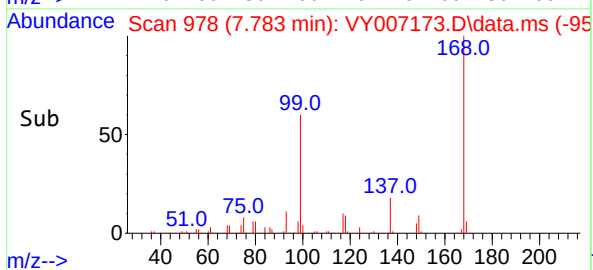
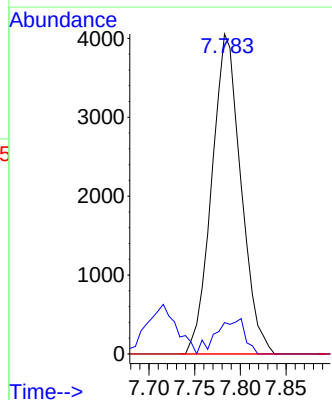
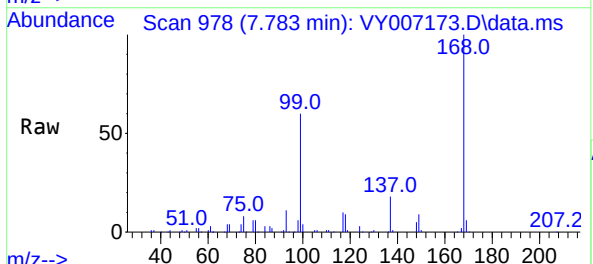
Instrument :
MSVOA_Y
ClientSampleId :

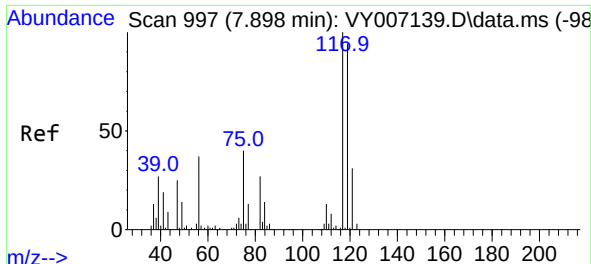
Tgt Ion:113 Resp: 67415
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.055 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

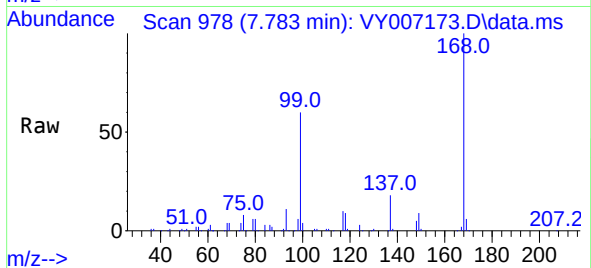
Tgt Ion: 75 Resp: 9016
Ion Ratio Lower Upper
75 100
110 10.7 17.3 51.9#
77 0.0 24.7 37.1#



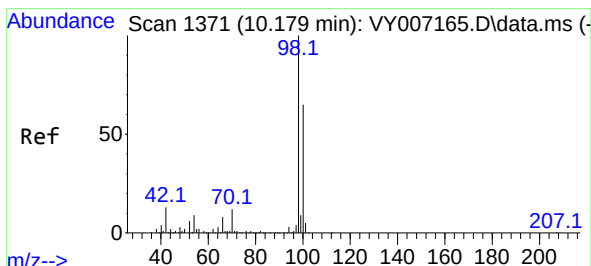
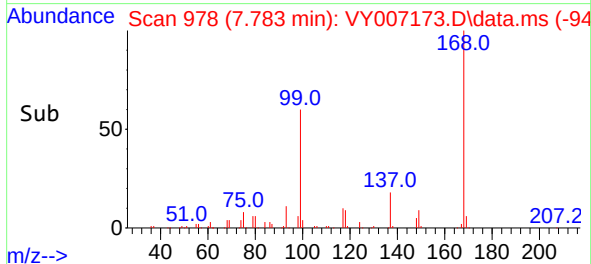
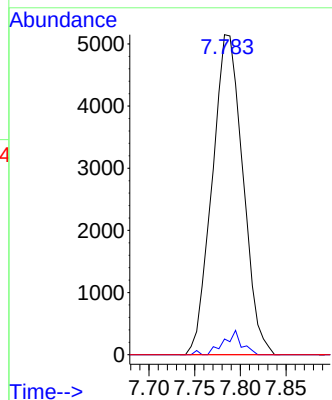


#38
Carbon Tetrachloride
Concen: 5.149 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

Instrument :
MSVOA_Y
ClientSampleId :

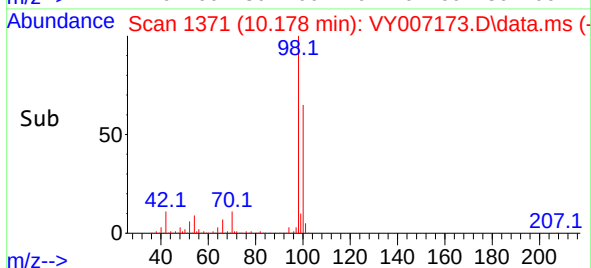
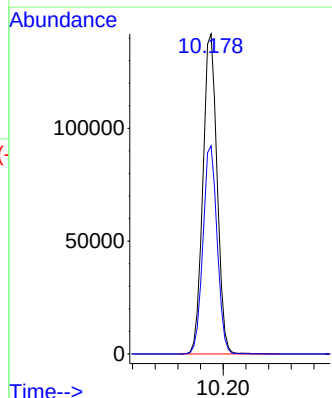
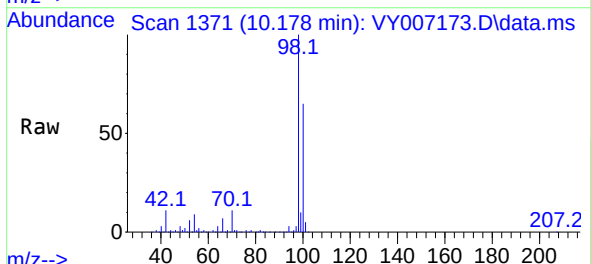


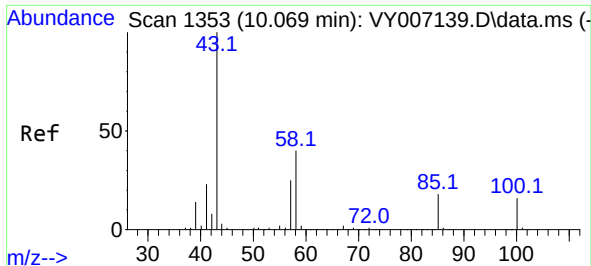
Tgt Ion:117 Resp: 12043
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.412 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

Tgt Ion: 98 Resp: 246295
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

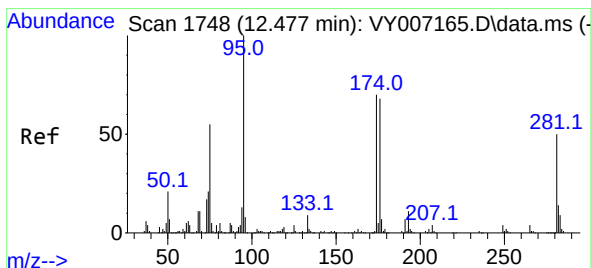
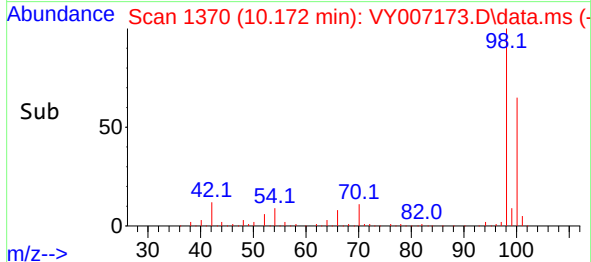
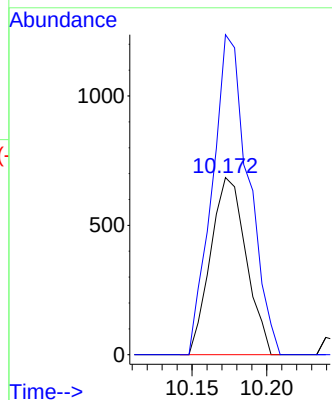
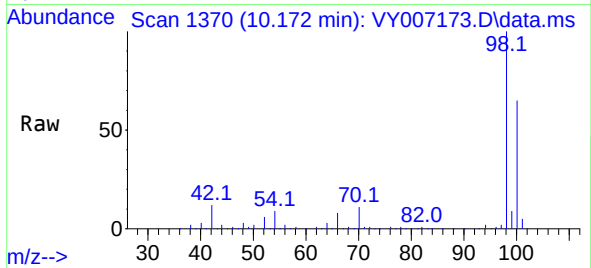




#51
4-Methyl-2-Pentanone
Concen: 1.006 ug/l
RT: 10.172 min Scan# 1133
Delta R.T. 0.104 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

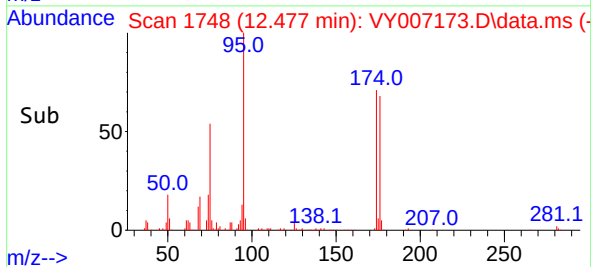
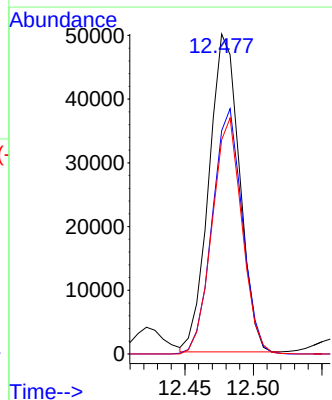
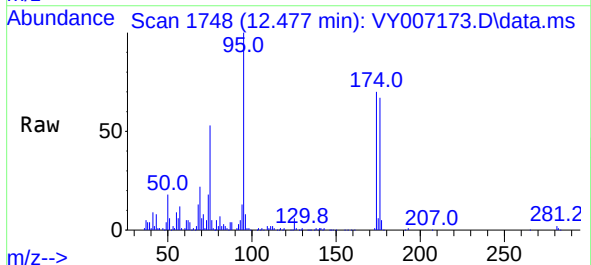
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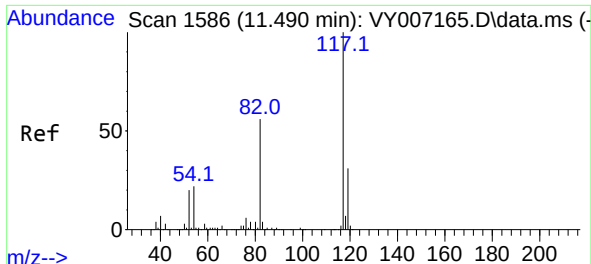
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 184.3 32.8 49.2#



#62
4-Bromofluorobenzene
Concen: 42.818 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

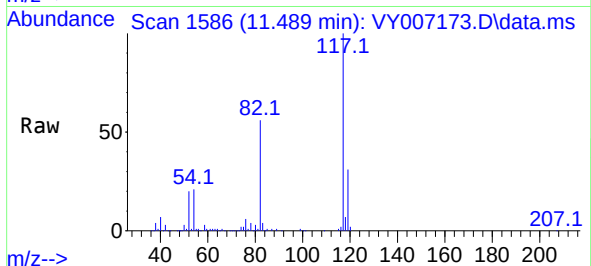
Tgt Ion: 95 Resp: 77486
Ion Ratio Lower Upper
95 100
174 75.5 0.0 148.4
176 72.2 0.0 146.6



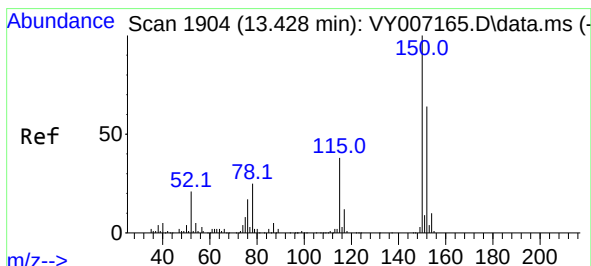
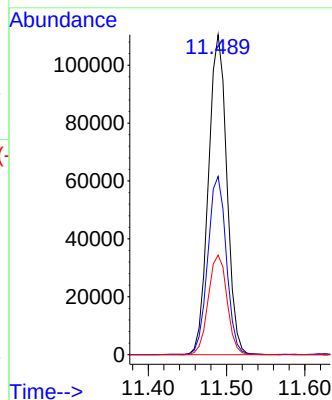
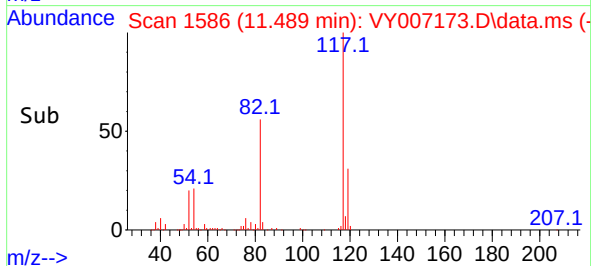


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

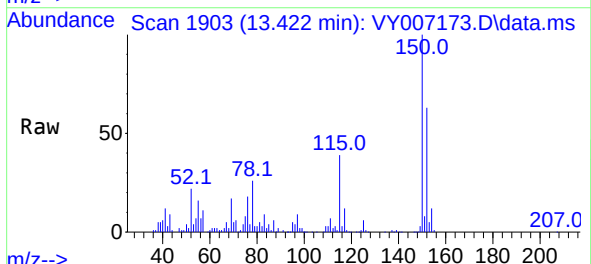
Instrument :
MSVOA_Y
ClientSampleId :



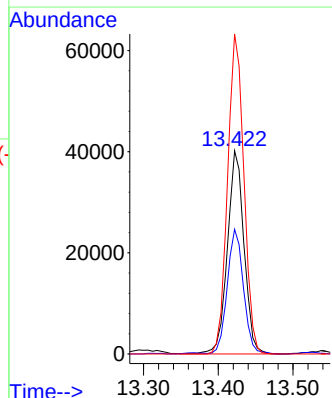
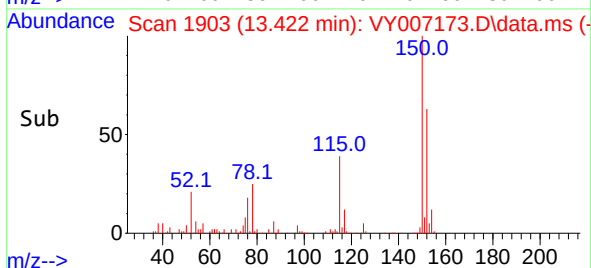
Tgt Ion:117 Resp: 179917
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.1 26.4 39.6

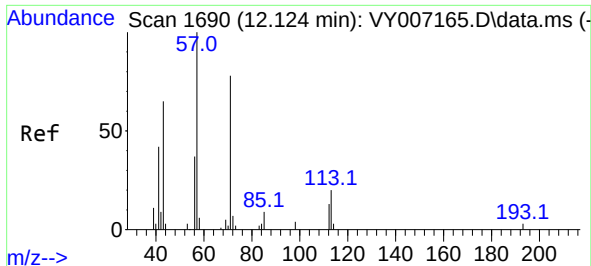


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54



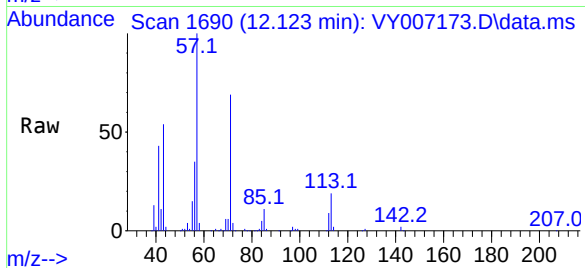
Tgt Ion:152 Resp: 62297
Ion Ratio Lower Upper
152 100
115 59.8 31.4 94.0
150 154.3 0.0 348.4



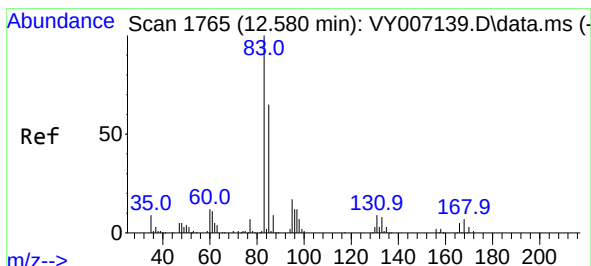
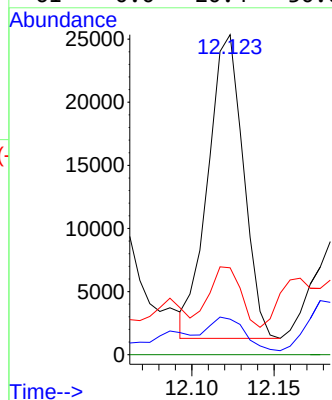
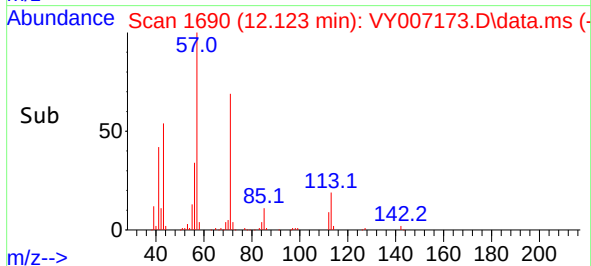


#74
N-amy1 acetate
Concen: 25.072 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

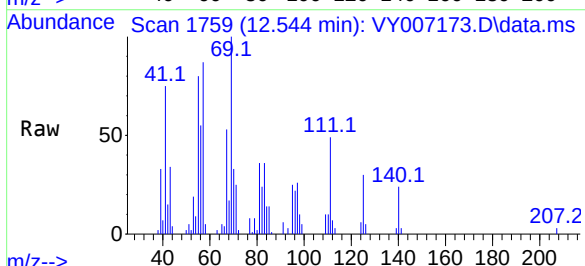
Instrument :
MSVOA_Y
ClientSampleId :



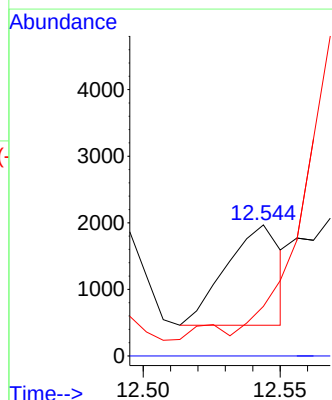
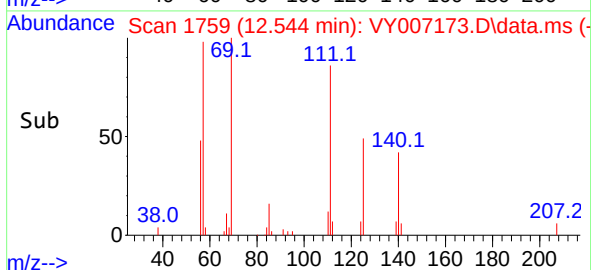
Tgt Ion: 43 Resp: 36074
Ion Ratio Lower Upper
43 100
70 12.0 36.2 54.4#
55 17.5 19.0 28.4#
61 0.0 20.4 30.6#

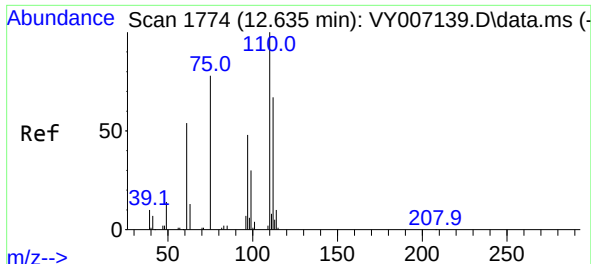


#75
1,1,2,2-Tetrachloroethane
Concen: 2.005 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.036 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54



Tgt Ion: 83 Resp: 2098
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 0.0 32.4 97.2#

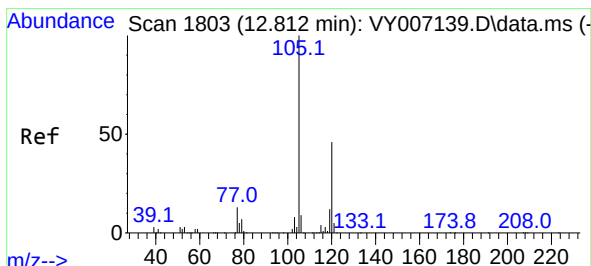
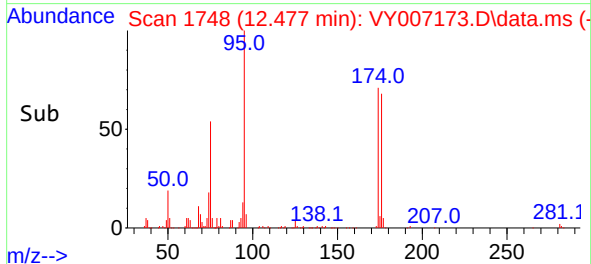
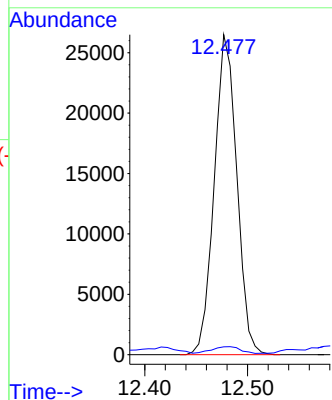
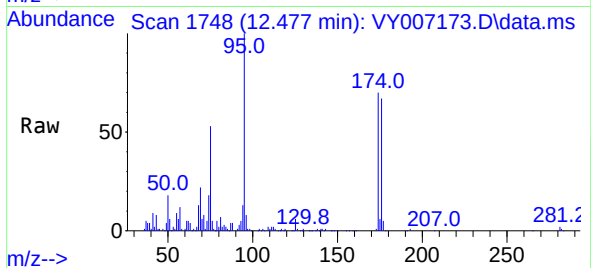




#76
1,2,3-Trichloropropane
Concen: 56.682 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.158 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

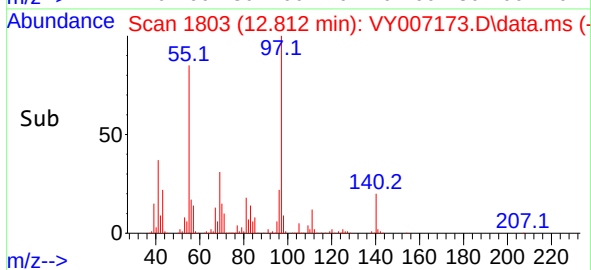
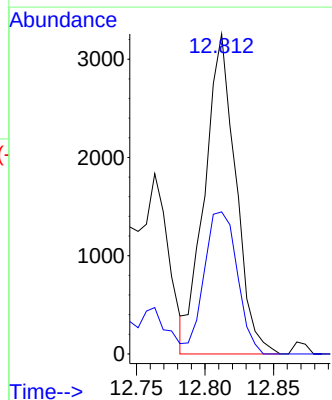
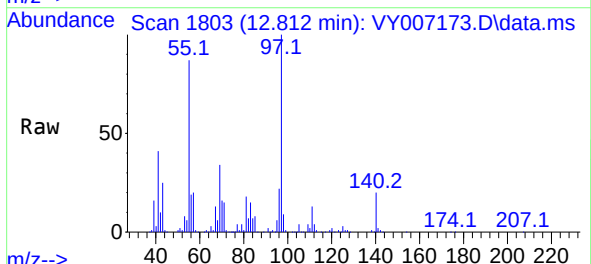
Instrument :
MSVOA_Y
ClientSampleId :

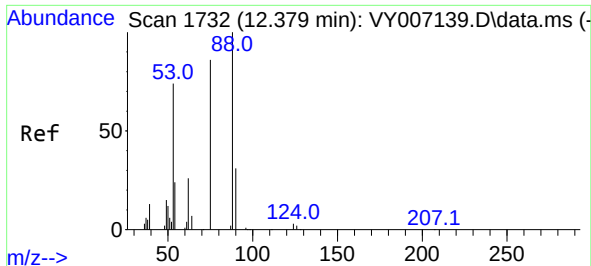
Tgt Ion: 75 Resp: 40264
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.159 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

Tgt Ion: 105 Resp: 5119
Ion Ratio Lower Upper
105 100
120 47.6 23.7 71.1

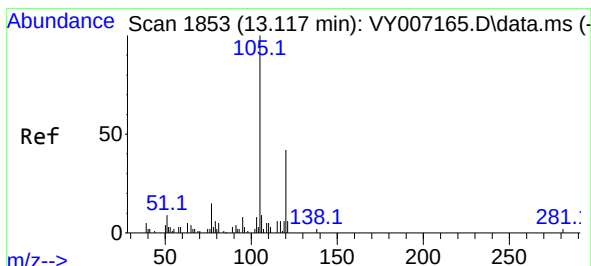
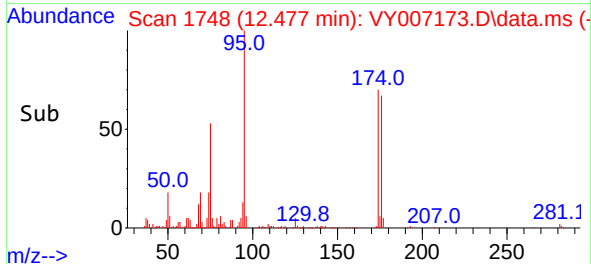
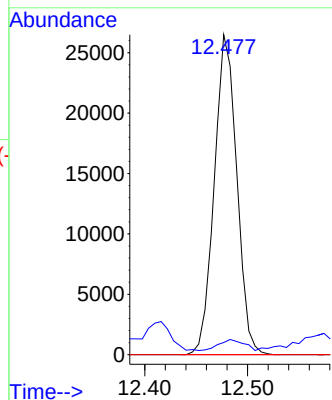
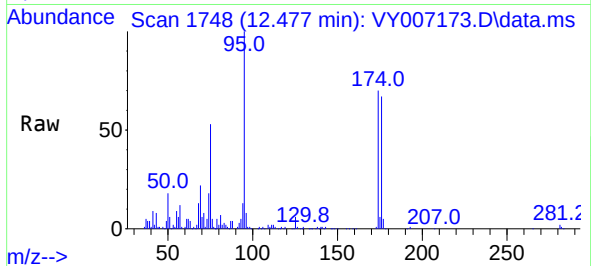




#81
trans-1,4-Dichloro-2-butene
Concen: 103.769 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

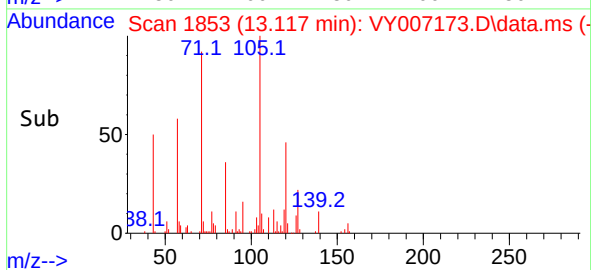
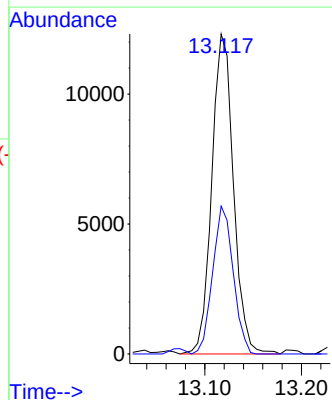
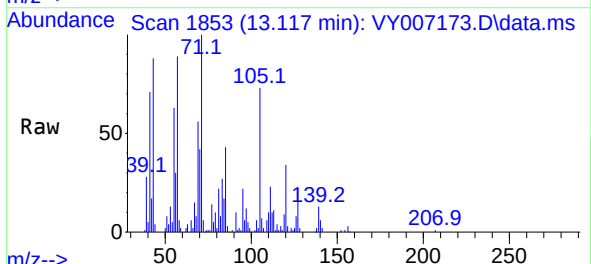
Instrument :
MSVOA_Y
ClientSampleId :

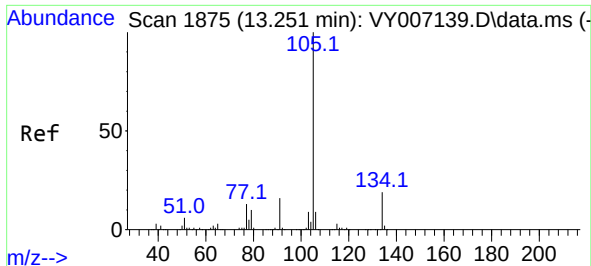
Tgt Ion: 75 Resp: 40264
Ion Ratio Lower Upper
75 100
53 3.8 73.9 110.9#
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 4.375 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

Tgt Ion:105 Resp: 19160
Ion Ratio Lower Upper
105 100
120 43.8 21.6 64.6

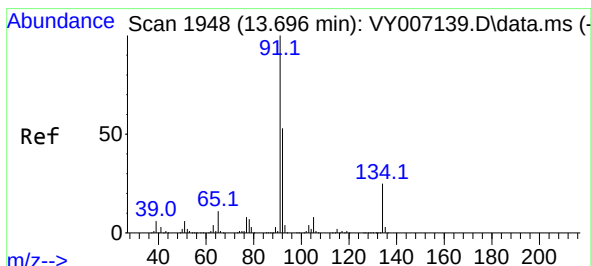
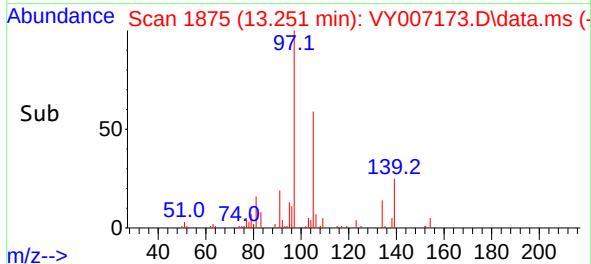
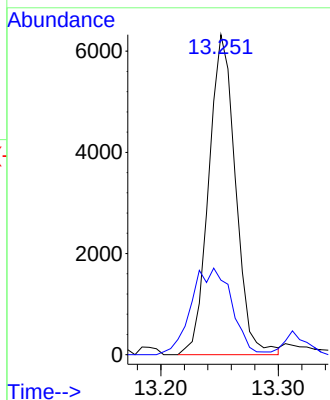
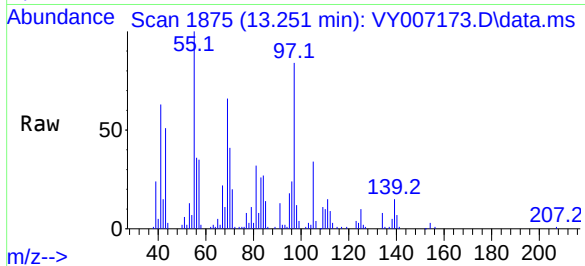




#85
 sec-Butylbenzene
 Concen: 1.759 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY007173.D
 Acq: 14 Jan 2022 16:54

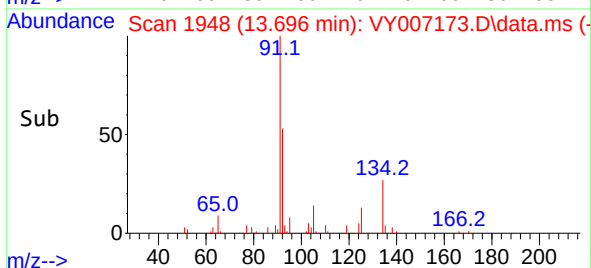
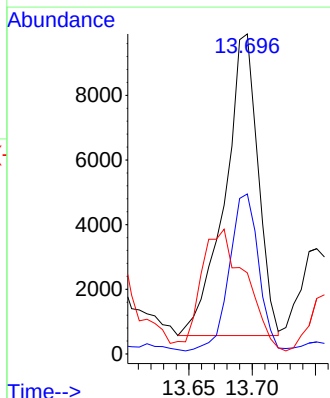
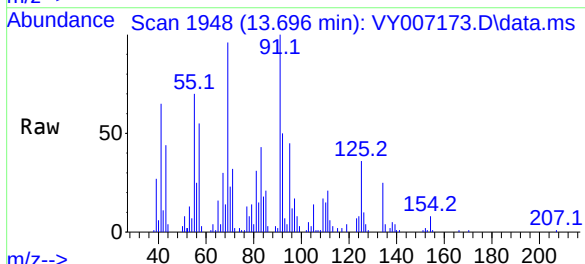
Instrument :
 MSVOA_Y
 ClientSampleId :

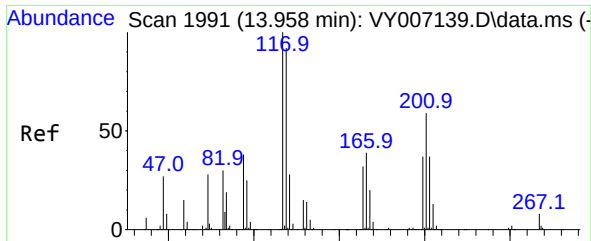
Tgt Ion:105 Resp: 10047
 Ion Ratio Lower Upper
 105 100
 134 41.1 9.9 29.7#



#89
 n-Butylbenzene
 Concen: 3.680 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY007173.D
 Acq: 14 Jan 2022 16:54

Tgt Ion: 91 Resp: 17007
 Ion Ratio Lower Upper
 91 100
 92 46.0 26.9 80.6
 134 53.8 12.6 37.6#

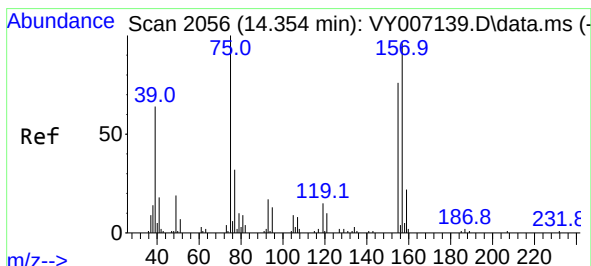
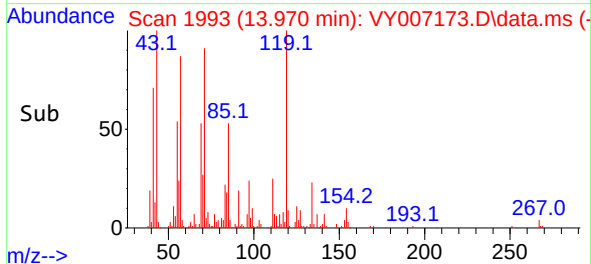
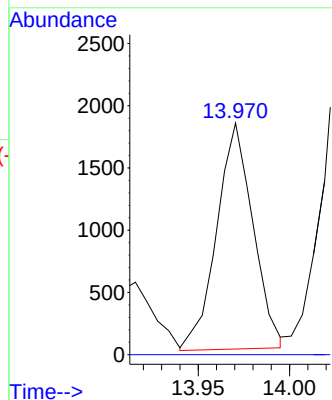
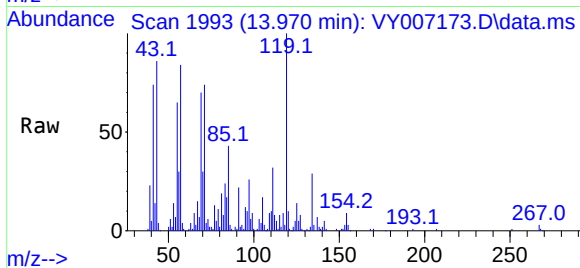




#90
Hexachloroethane
Concen: 2.741 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

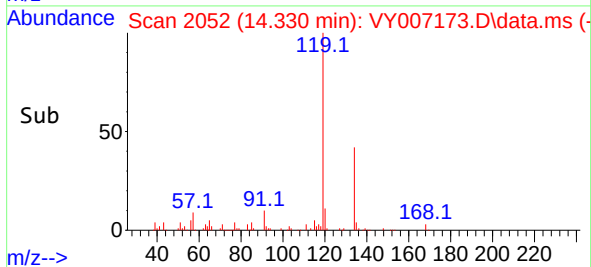
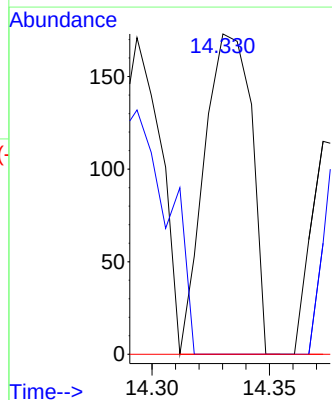
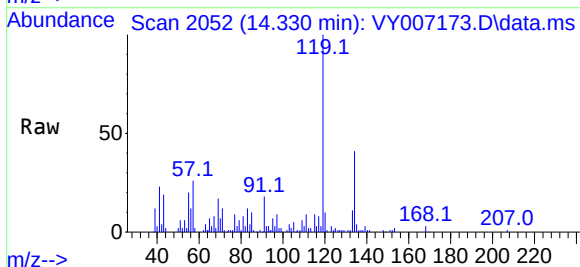
Instrument :
MSVOA_Y
ClientSampleId :

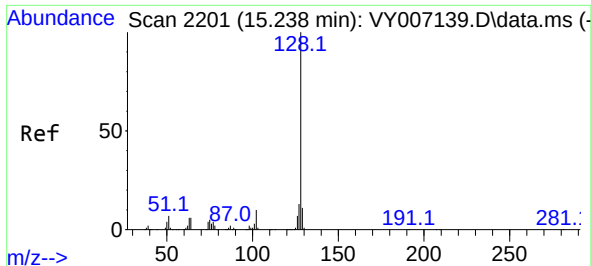
Tgt Ion:117 Resp: 2515
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.334 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

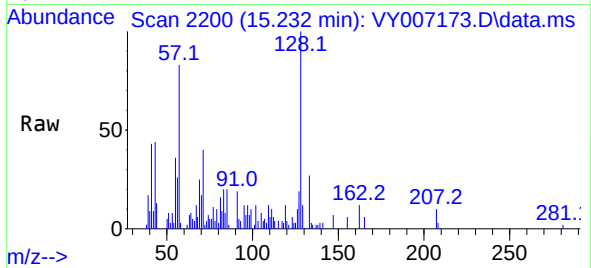
Tgt Ion: 75 Resp: 241
Ion Ratio Lower Upper
75 100
155 0.0 40.1 120.2#
157 0.0 51.7 155.2#





#95
Naphthalene
Concen: 1.828 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY007173.D
Acq: 14 Jan 2022 16:54

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 4814
Ion Ratio Lower Upper
128 100
127 22.4 10.3 15.5#
129 16.6 8.9 13.3#

