

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007831.D
 Acq On : 10 Mar 2022 17:32
 Operator : SY/MD
 Sample : N1831-01
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-03072022

Quant Time: Mar 10 23:58:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

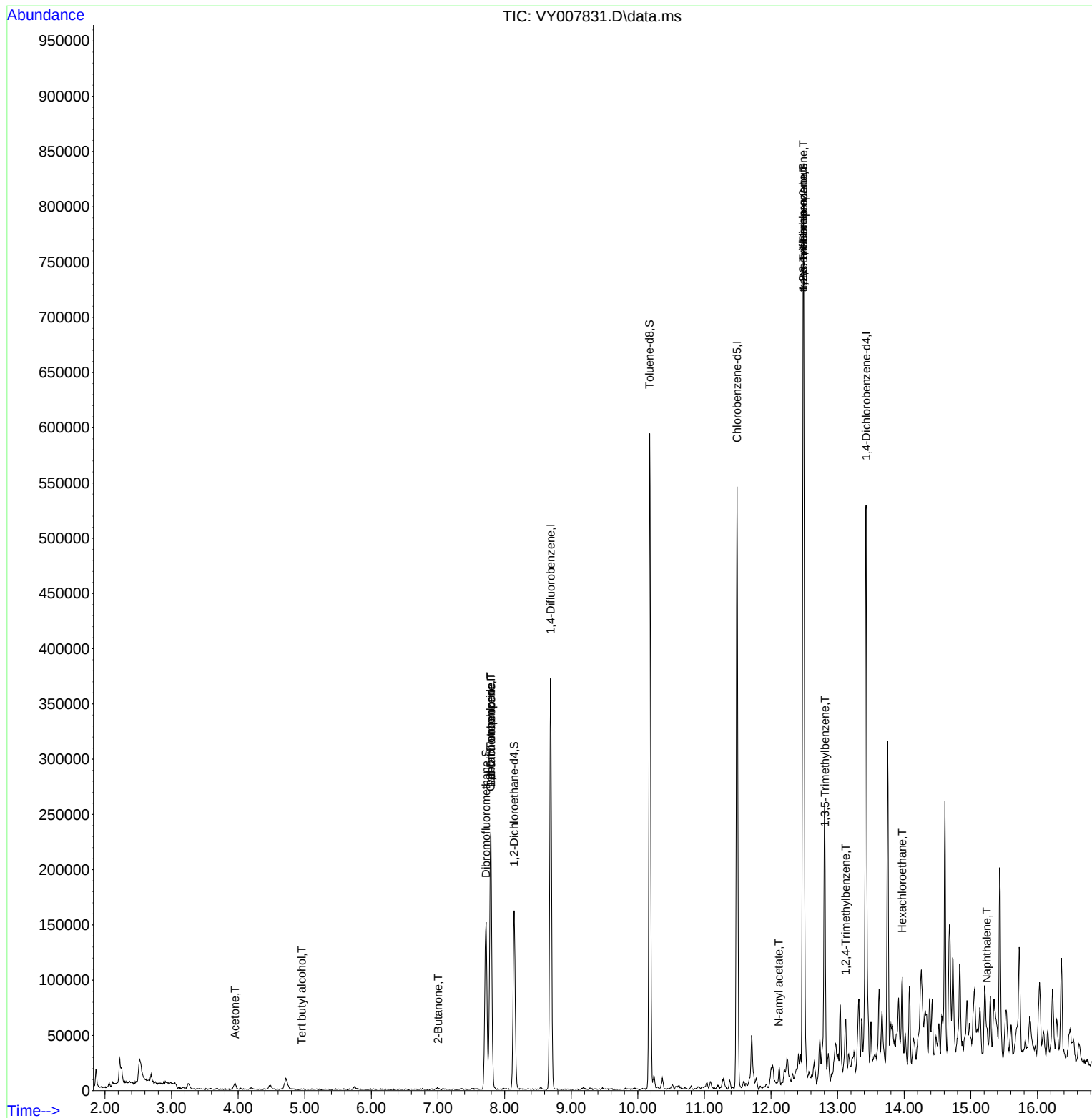
Internal Standards						
1) Pentafluorobenzene	7.795	168	175327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	303726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	275035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	117897	64.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.460%	
35) Dibromofluoromethane	7.722	113	103390	53.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.179	98	368963	51.618	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.483	95	114991	49.907	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31	Below Cal	#	43
3) Chloromethane	2.113	50	1613	Below Cal		94
11) Tert butyl alcohol	4.954	59	552	3.474	ug/l #	89
13) Acrolein	3.905	56	81	Below Cal	#	14
16) Acetone	3.954	43	8630	23.112	ug/l	90
17) Carbon Disulfide	4.210	76	2027	Below Cal	#	75
20) Methylene Chloride	4.716	84	6883	Below Cal	#	72
25) 2-Butanone	7.002	43	1524	2.433	ug/l #	54
31) Cyclohexane	7.789	56	4686	Below Cal	#	12
36) 1,1-Dichloropropene	7.795	75	15016	4.916	ug/l #	46
38) Carbon Tetrachloride	7.789	117	17718	5.438	ug/l #	17
74) N-amyl acetate	12.117	43	3657	1.469	ug/l #	78
76) 1,2,3-Trichloropropane	12.483	75	69808	52.083	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	15805	2.114	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	69808	106.476	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.123	105	24760	3.362	ug/l	98
90) Hexachloroethane	13.971	117	2685	1.686	ug/l #	6
95) Naphthalene	15.239	128	9152	1.867	ug/l #	83

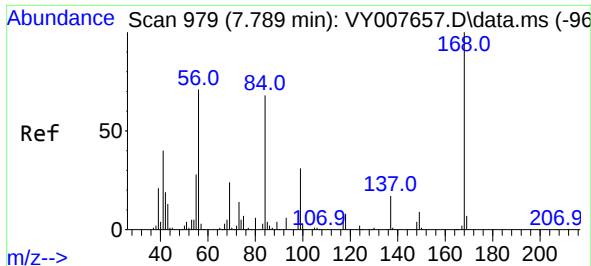
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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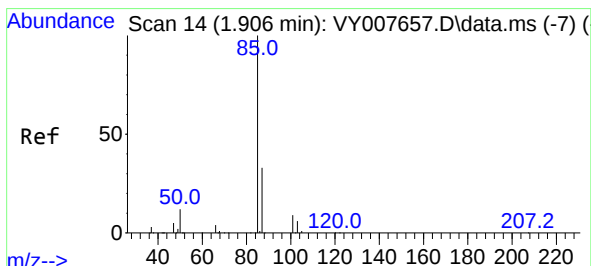
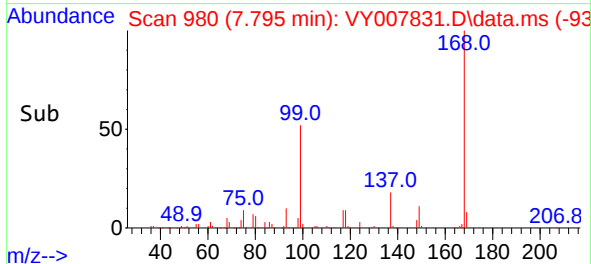
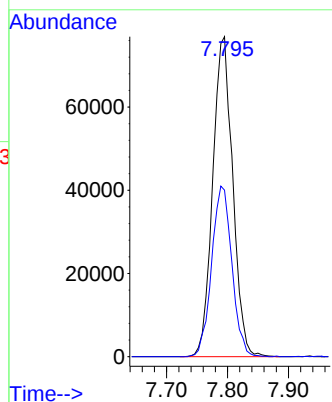
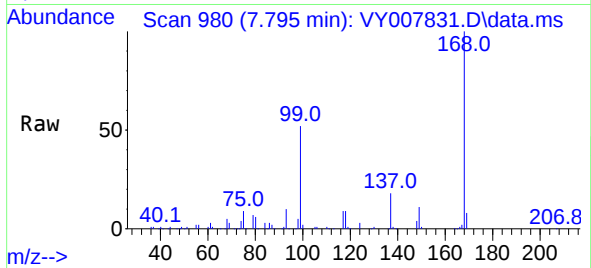




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

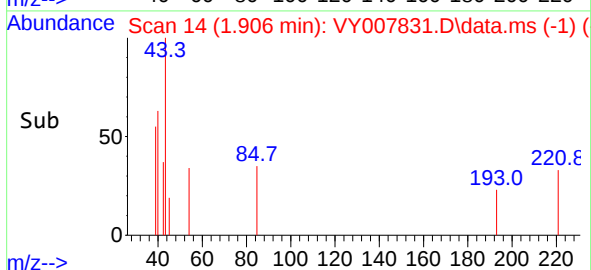
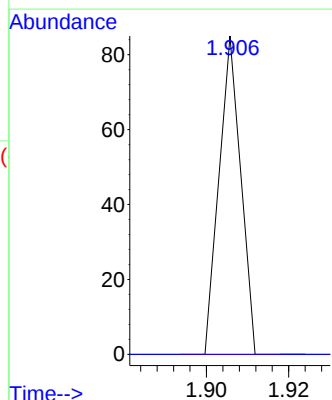
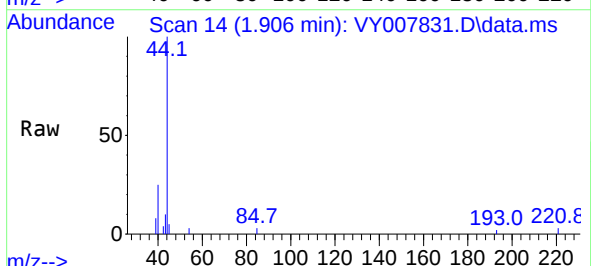
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

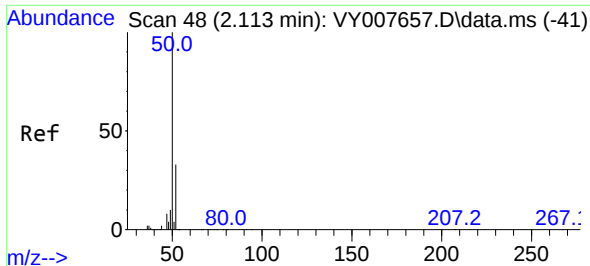
Tgt Ion:168 Resp: 175327
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 85 Resp: 31
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

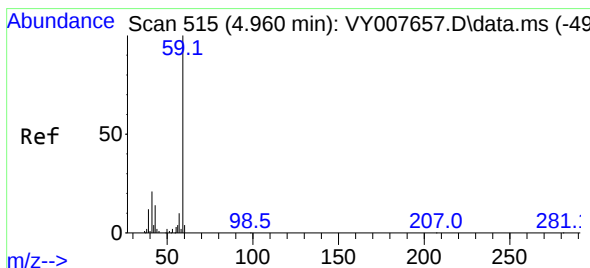
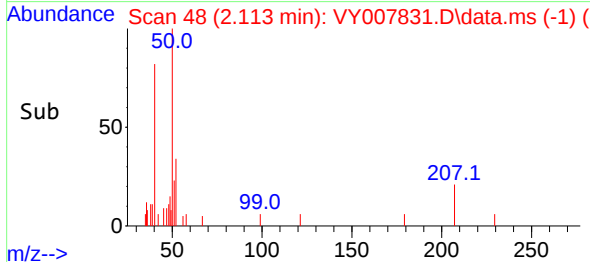
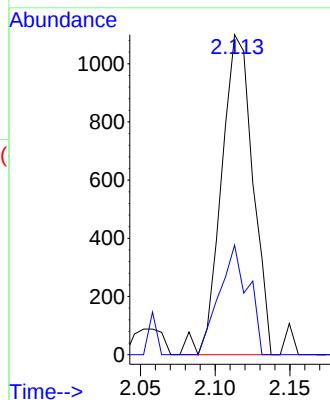
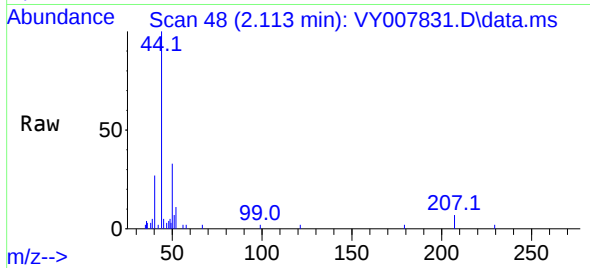




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

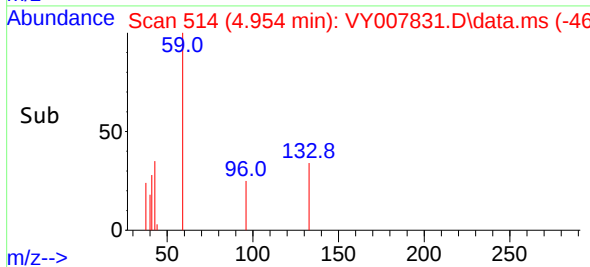
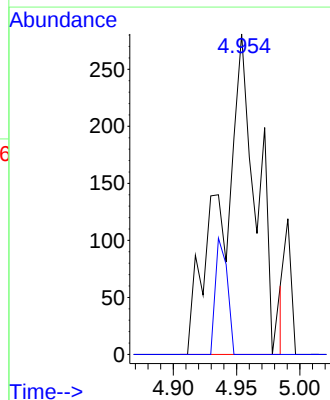
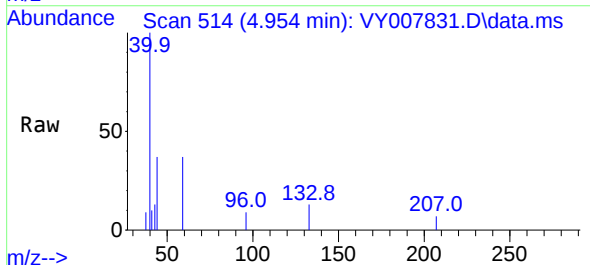
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

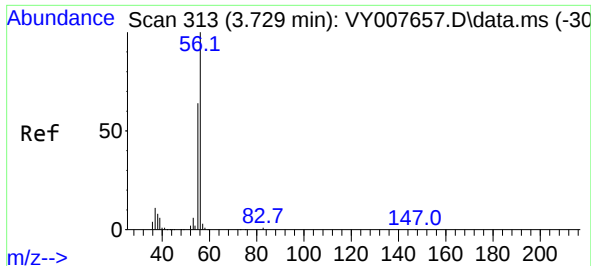
Tgt Ion: 50 Resp: 1613
Ion Ratio Lower Upper
50 100
52 34.3 24.6 37.0



#11
Tert butyl alcohol
Concen: 3.474 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 59 Resp: 552
Ion Ratio Lower Upper
59 100
57 12.0 6.4 9.6

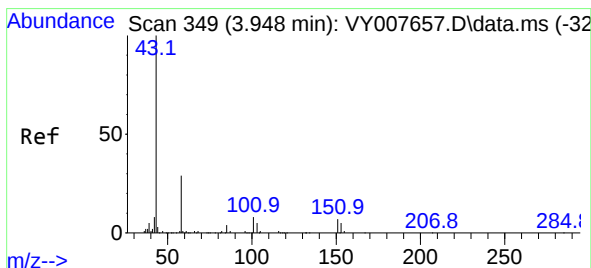
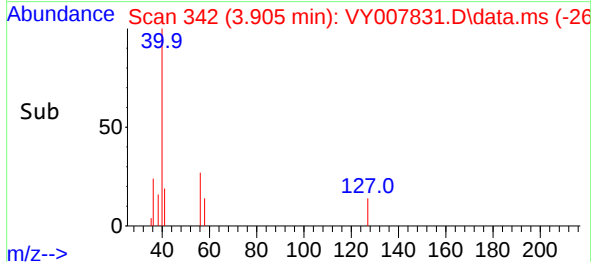
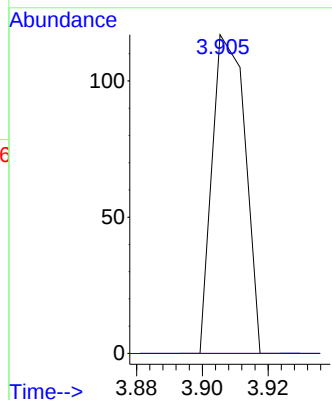
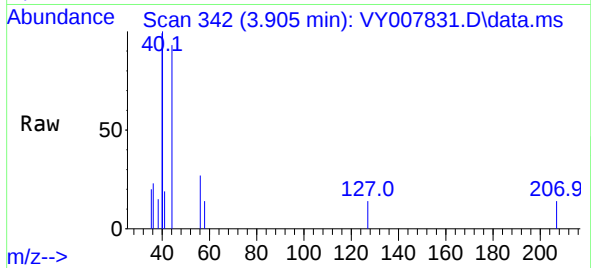




#13
Acrolein
Concen: Below Cal
RT: 3.905 min Scan# 341
Delta R.T. 0.176 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

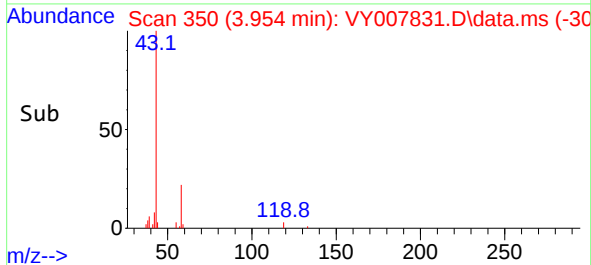
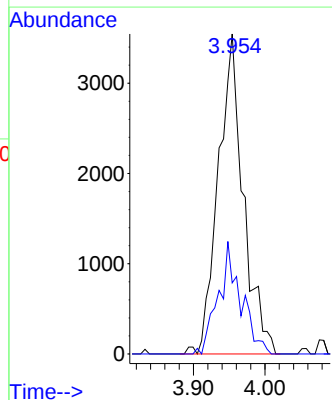
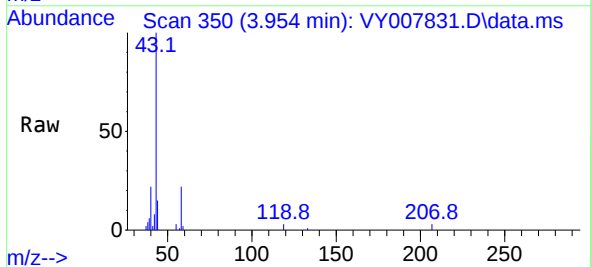
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

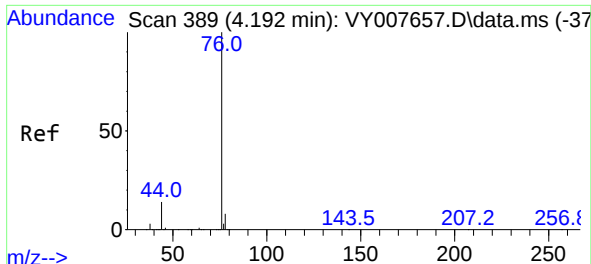
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 23.112 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 43 Resp: 8630
Ion Ratio Lower Upper
43 100
58 22.2 22.0 33.0

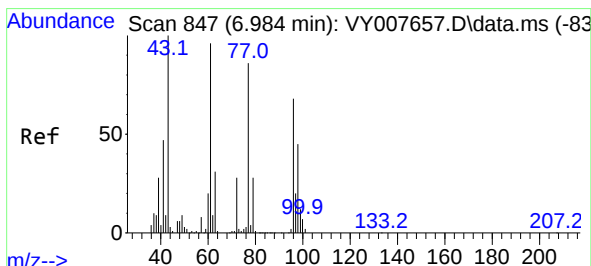
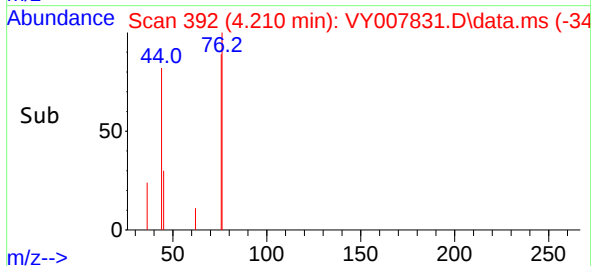
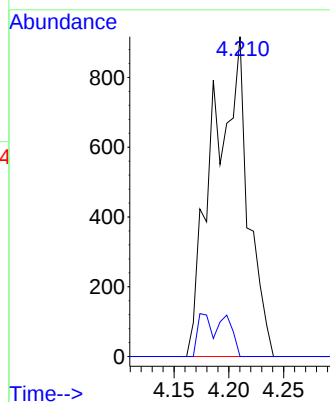
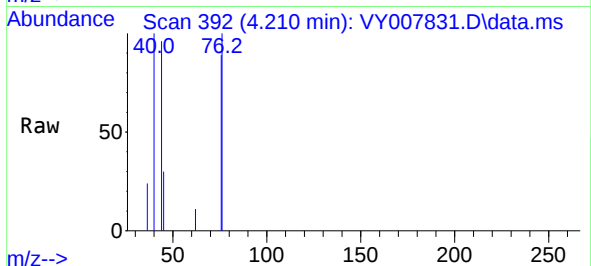




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.210 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

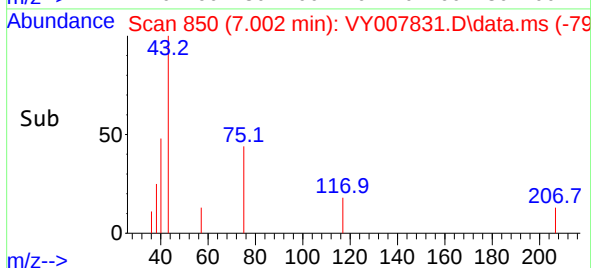
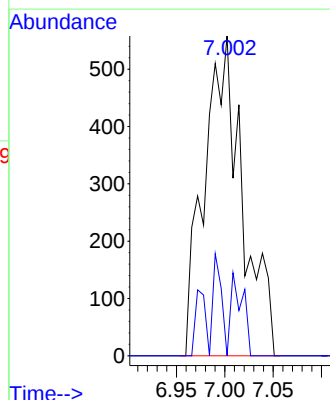
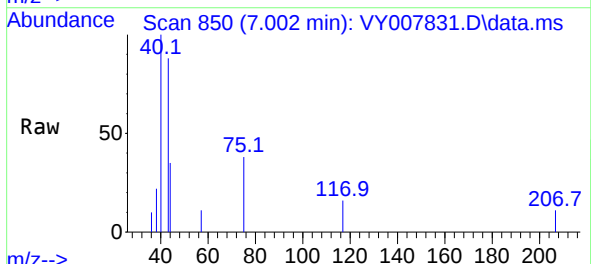
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

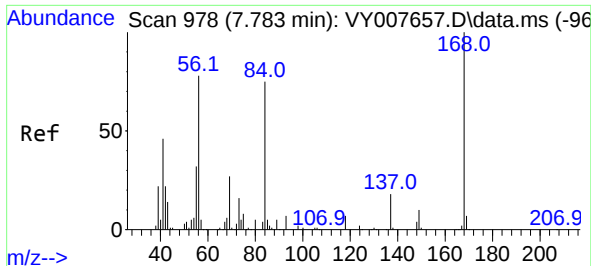
Tgt Ion: 76 Resp: 2027
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#25
2-Butanone
Concen: 2.433 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

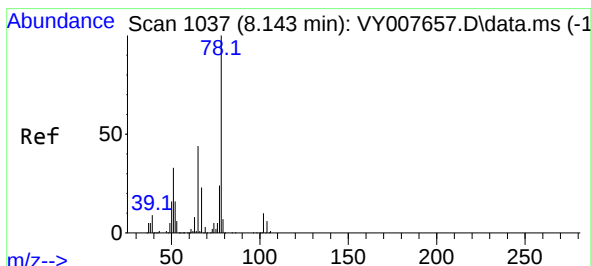
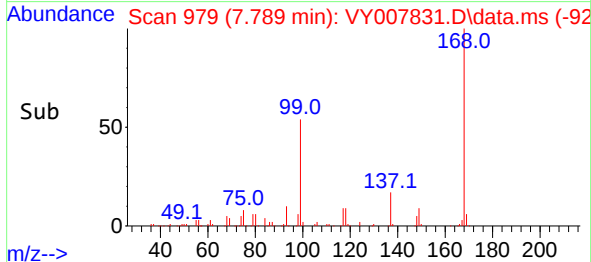
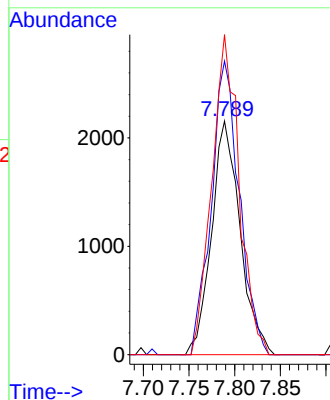
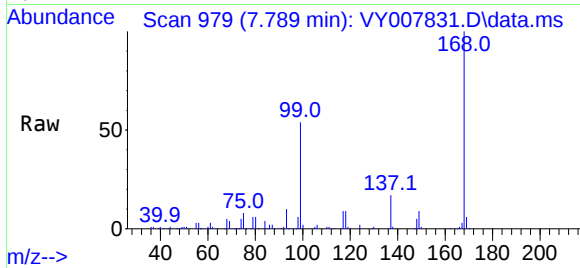




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

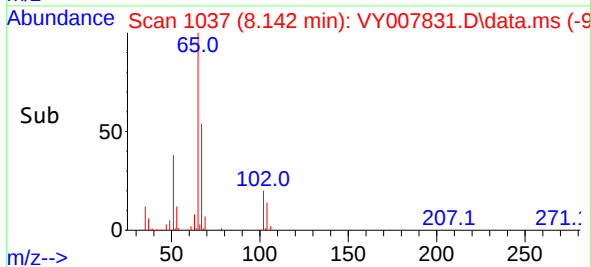
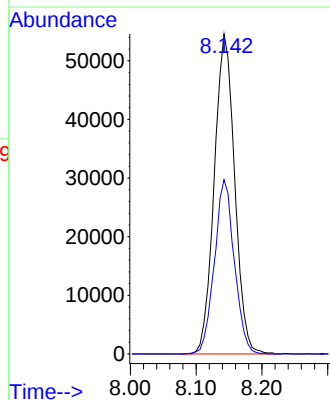
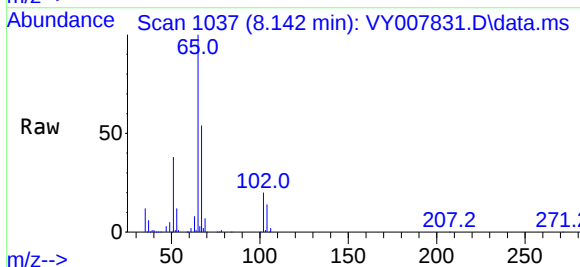
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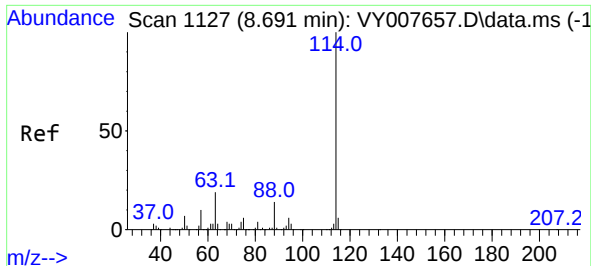
Tgt Ion: 56 Resp: 4686
Ion Ratio Lower Upper
56 100
69 125.8 26.7 40.1#
84 137.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.231 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 65 Resp: 117897
Ion Ratio Lower Upper
65 100
67 53.1 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: VY007831.D

Acq: 10 Mar 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-03072022

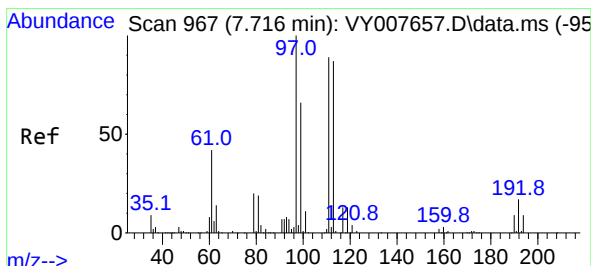
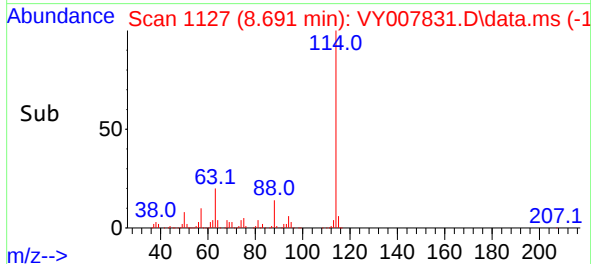
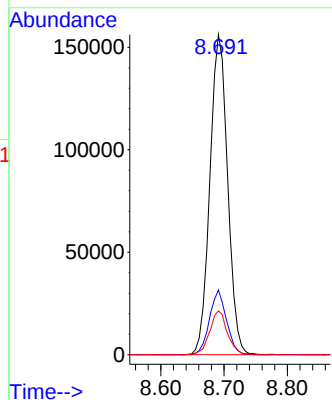
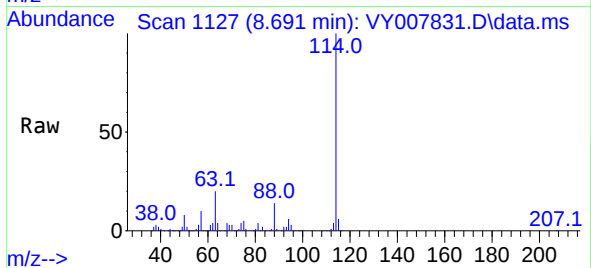
Tgt Ion:114 Resp: 303726

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.244 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007831.D

Acq: 10 Mar 2022 17:32

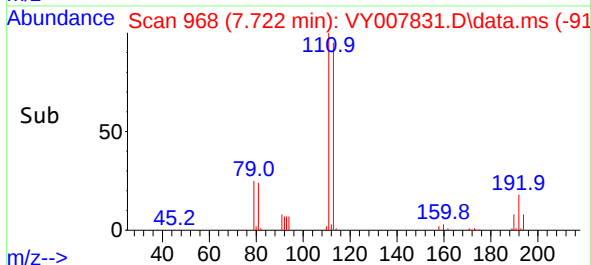
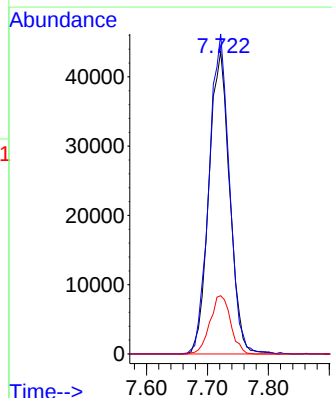
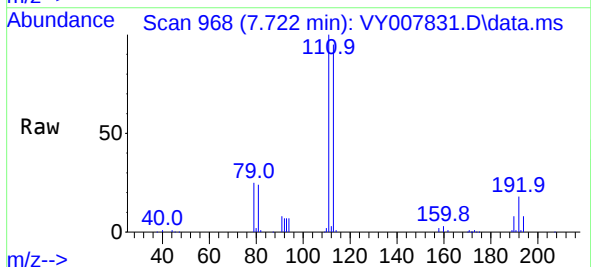
Tgt Ion:113 Resp: 103390

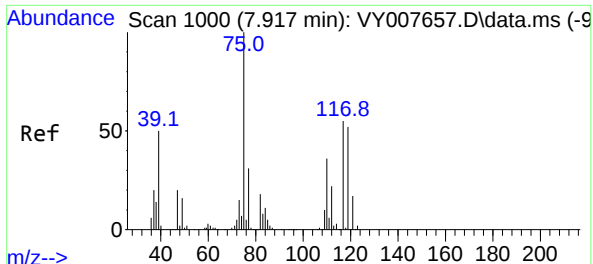
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 19.1 17.6 26.4

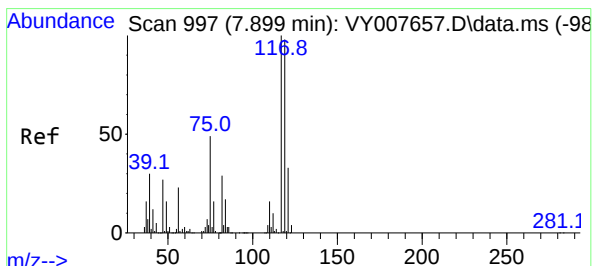
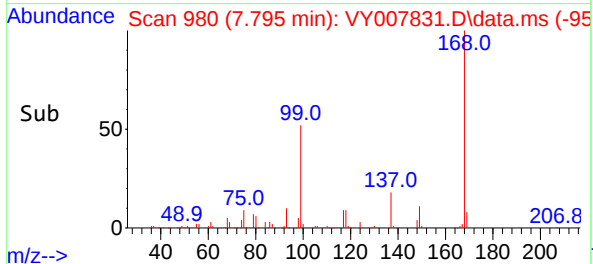
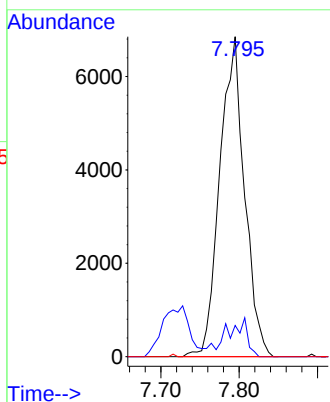
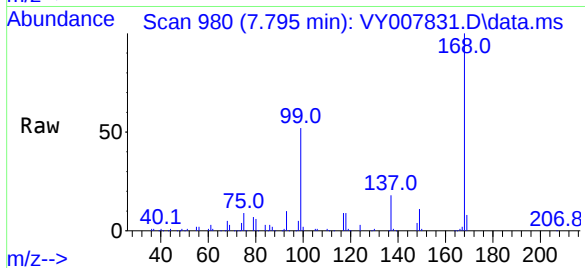




#36
1,1-Dichloropropene
Concen: 4.916 ug/l
RT: 7.795 min Scan# 910
Delta R.T. -0.122 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

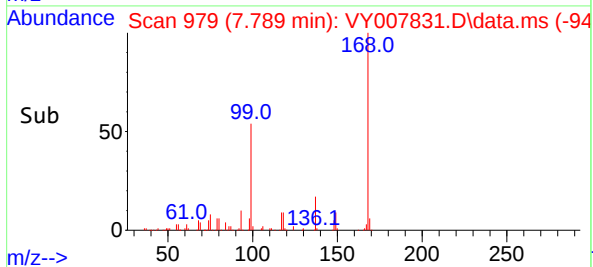
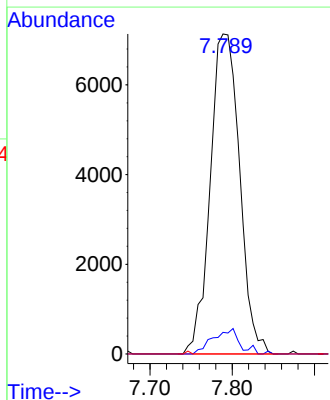
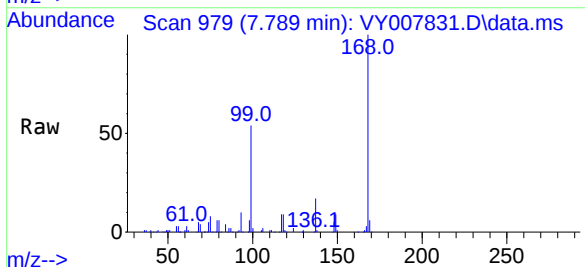
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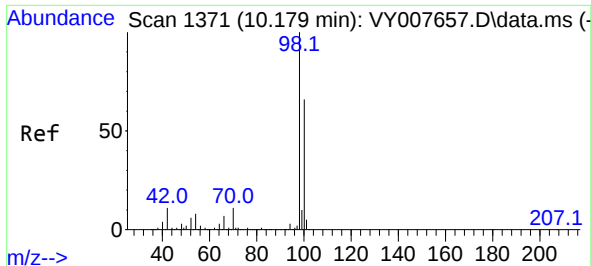
Tgt Ion: 75 Resp: 15016
Ion Ratio Lower Upper
75 100
110 4.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 117 Resp: 17718
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#

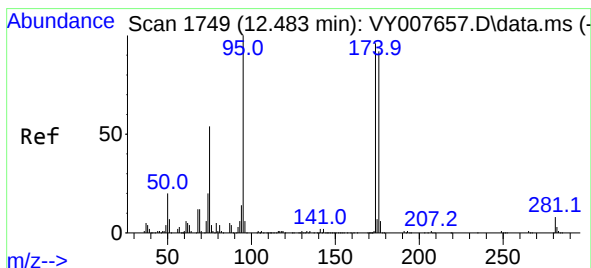
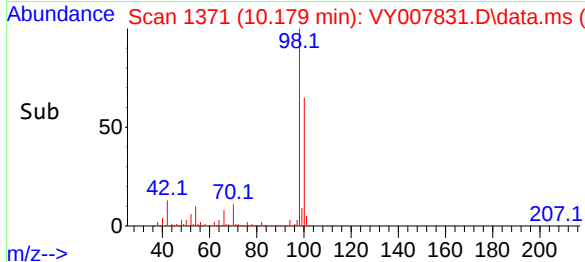
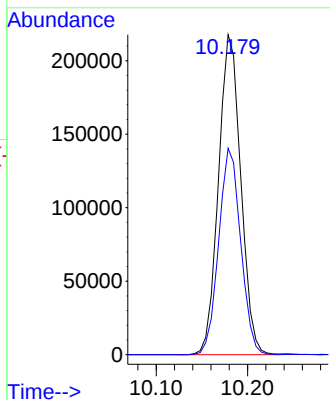
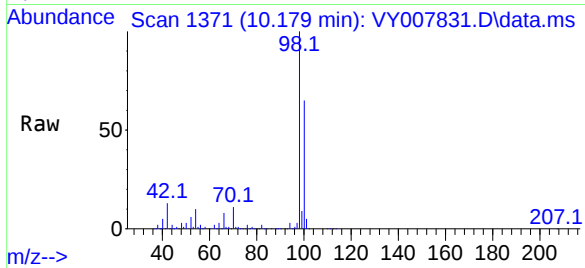




#50
Toluene-d8
Concen: 51.618 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

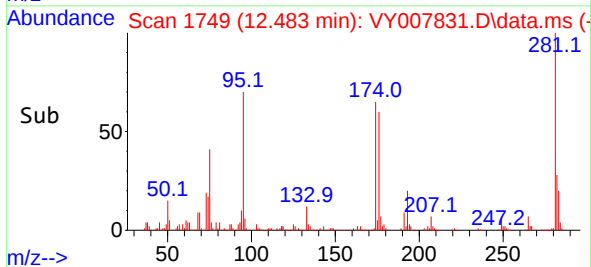
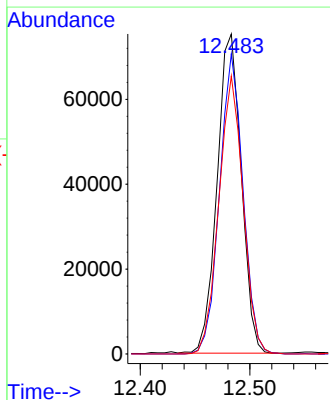
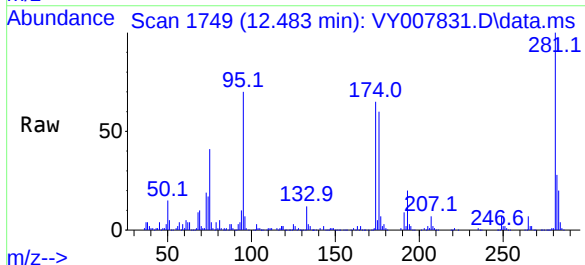
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

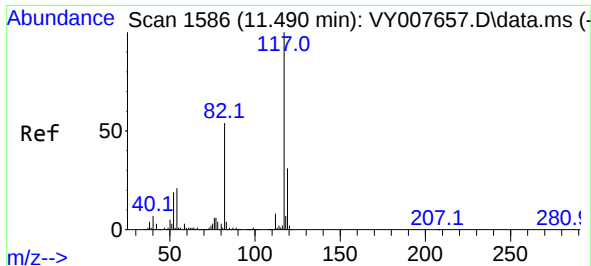
Tgt Ion: 98 Resp: 368963
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.907 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 95 Resp: 114991
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 87.4 0.0 175.8

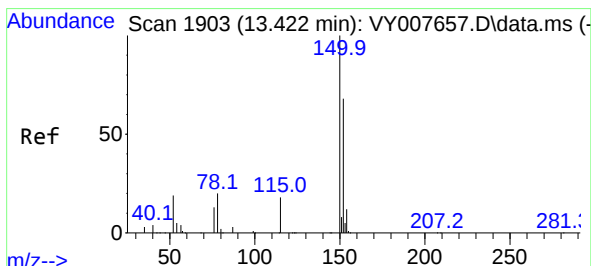
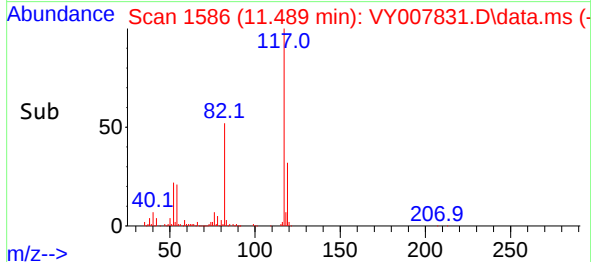
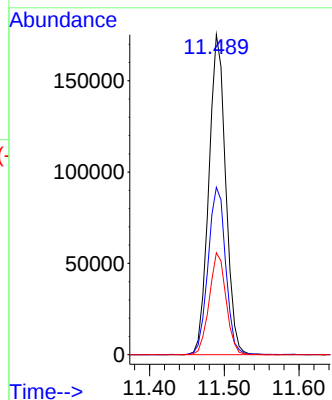
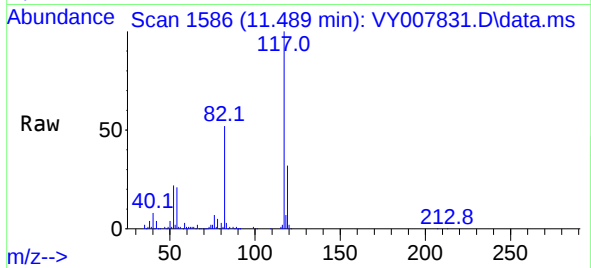




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

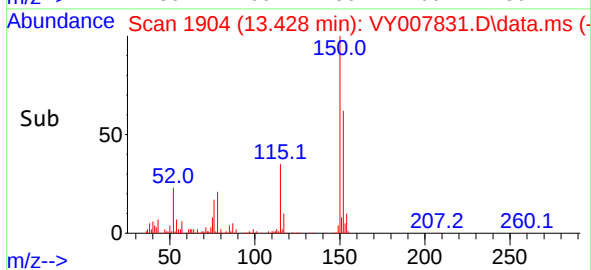
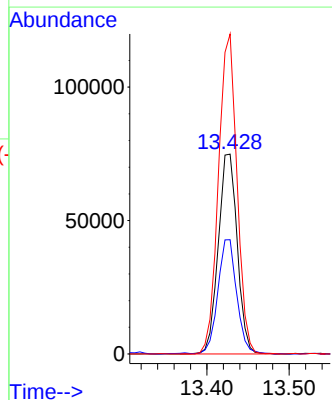
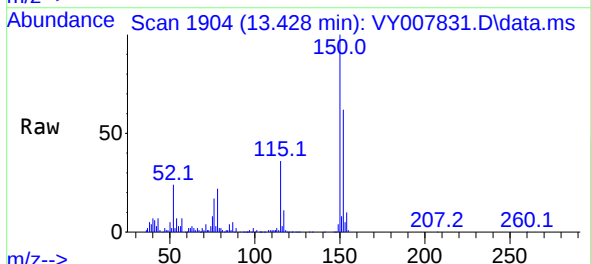
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

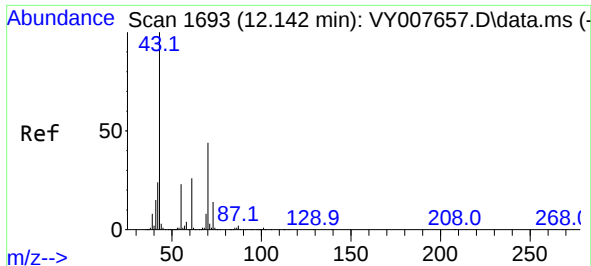
Tgt Ion:117 Resp: 275035
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

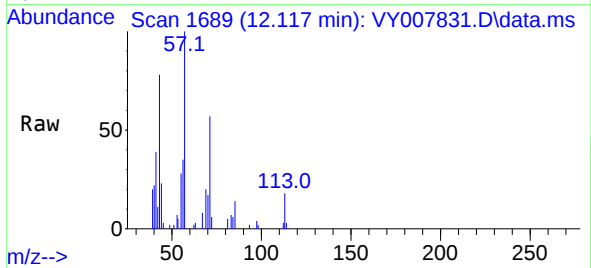
Tgt Ion:152 Resp: 120019
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 156.3 0.0 347.6



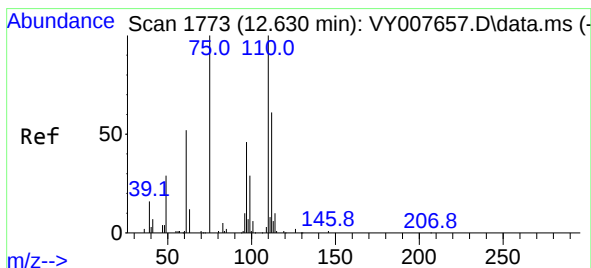
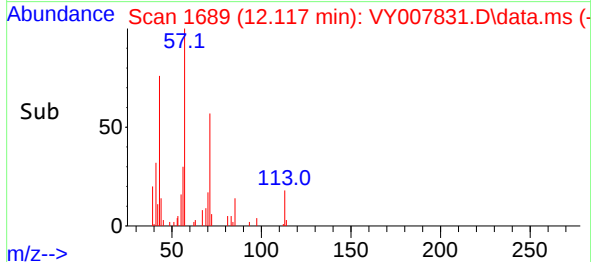
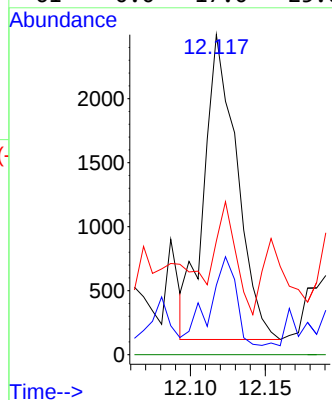


#74
N-amy1 acetate
Concen: 1.469 ug/l
RT: 12.117 min Scan# 1749
Delta R.T. -0.025 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

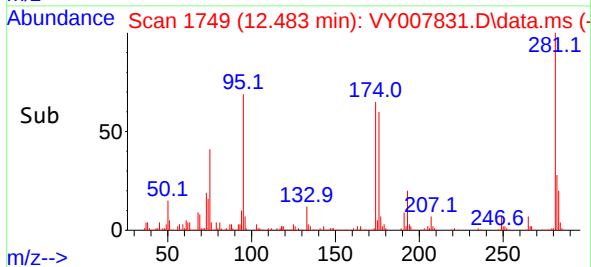
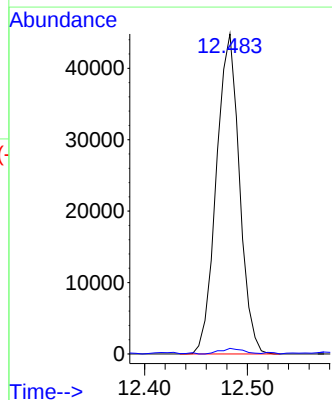
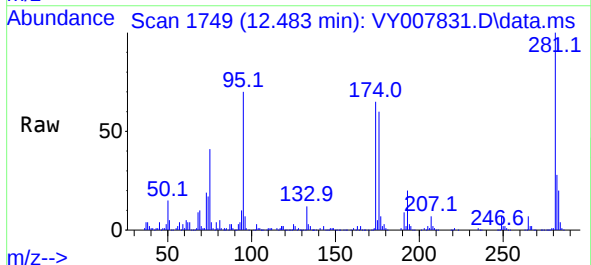


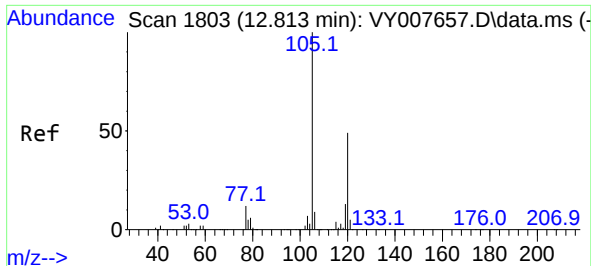
Tgt Ion: 43 Resp: 3657
Ion Ratio Lower Upper
43 100
70 23.3 28.7 43.1#
55 21.6 17.3 25.9
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 52.083 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 75 Resp: 69808
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

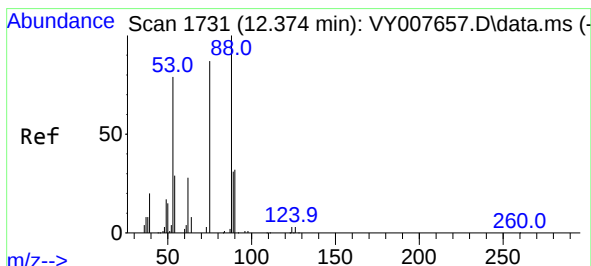
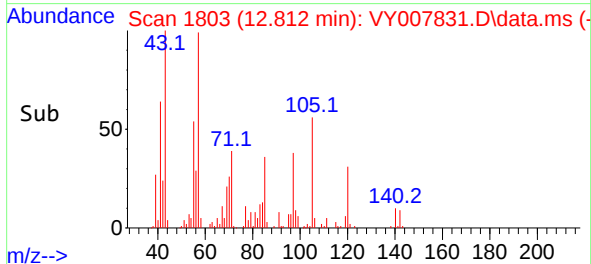
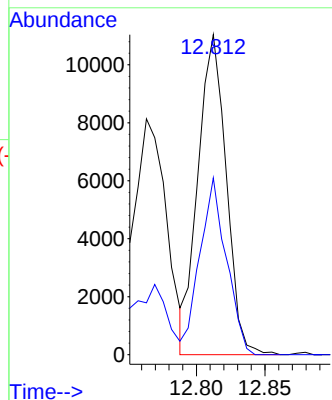
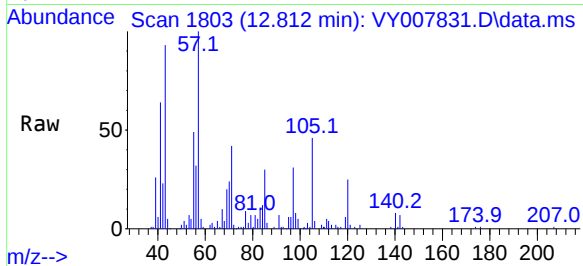




#80
1,3,5-Trimethylbenzene
Concen: 2.114 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

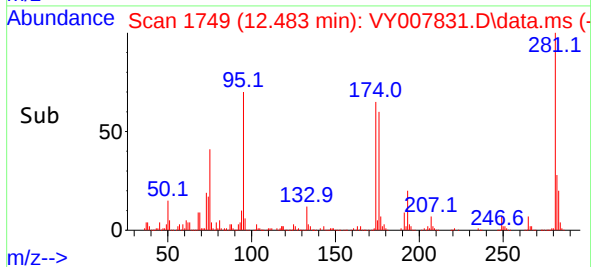
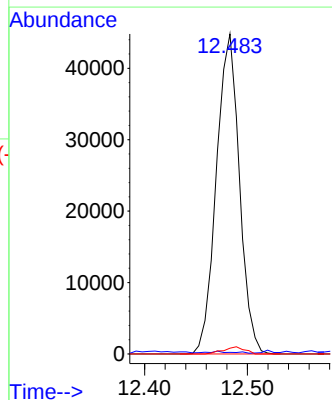
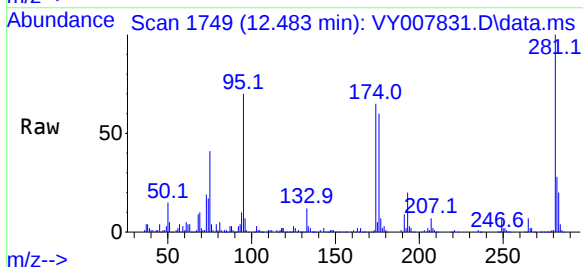
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

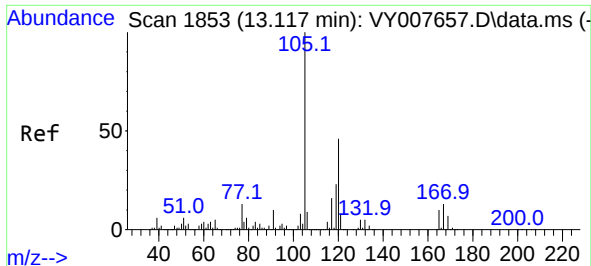
Tgt Ion:105 Resp: 15805
Ion Ratio Lower Upper
105 100
120 52.2 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 106.476 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Tgt Ion: 75 Resp: 69808
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 2.0 37.0 55.4#

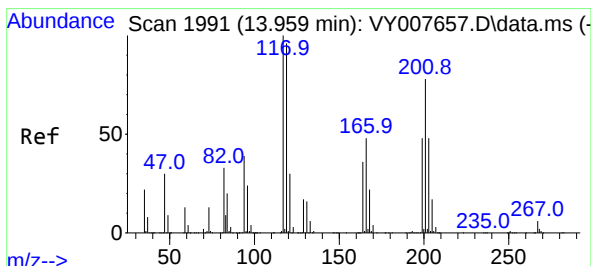
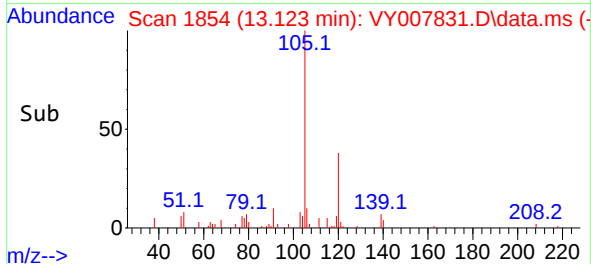
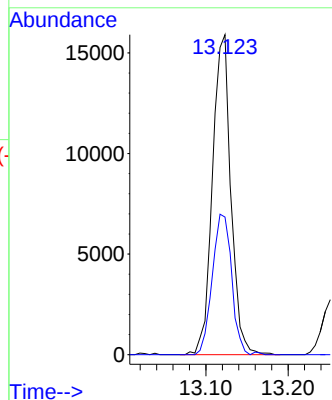
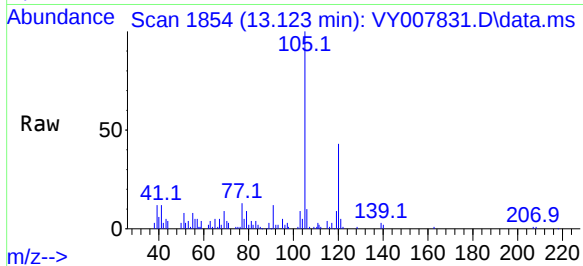




#84
1,2,4-Trimethylbenzene
Concen: 3.362 ug/l
RT: 13.123 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

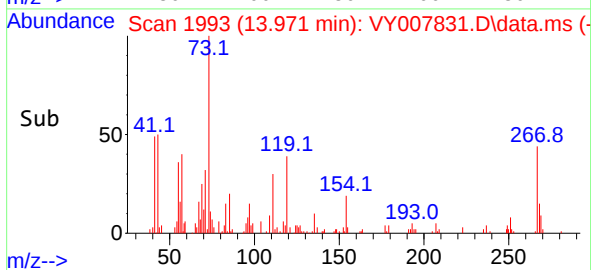
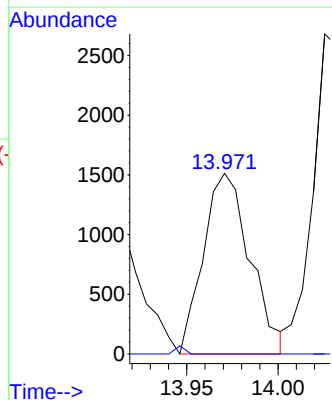
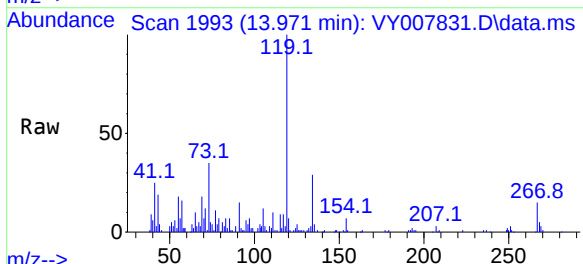
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022

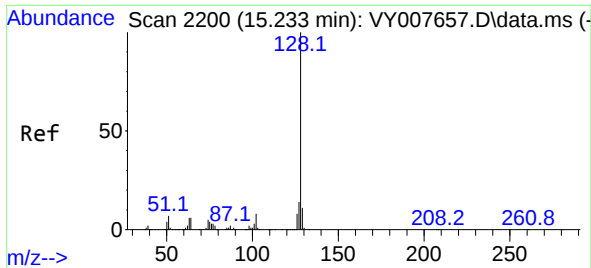
Tgt Ion:105 Resp: 24760
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.9



#90
Hexachloroethane
Concen: 1.686 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

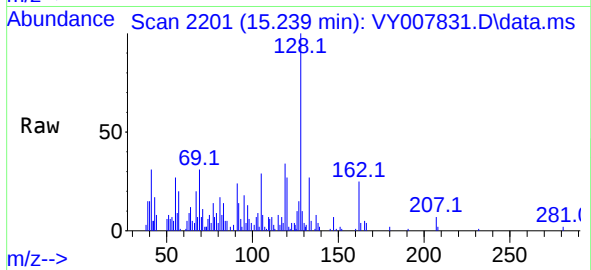
Tgt Ion:117 Resp: 2685
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 1.867 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007831.D
Acq: 10 Mar 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-03072022



Tgt Ion:128 Resp: 9152
Ion Ratio Lower Upper
128 100
127 22.0 11.0 16.4#
129 15.4 8.4 12.6#

