

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014676.D
 Acq On : 17 Jul 2023 16:43
 Operator : SY/MD
 Sample : 03633-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-01-GRABRE

Quant Time: Jul 18 06:11:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

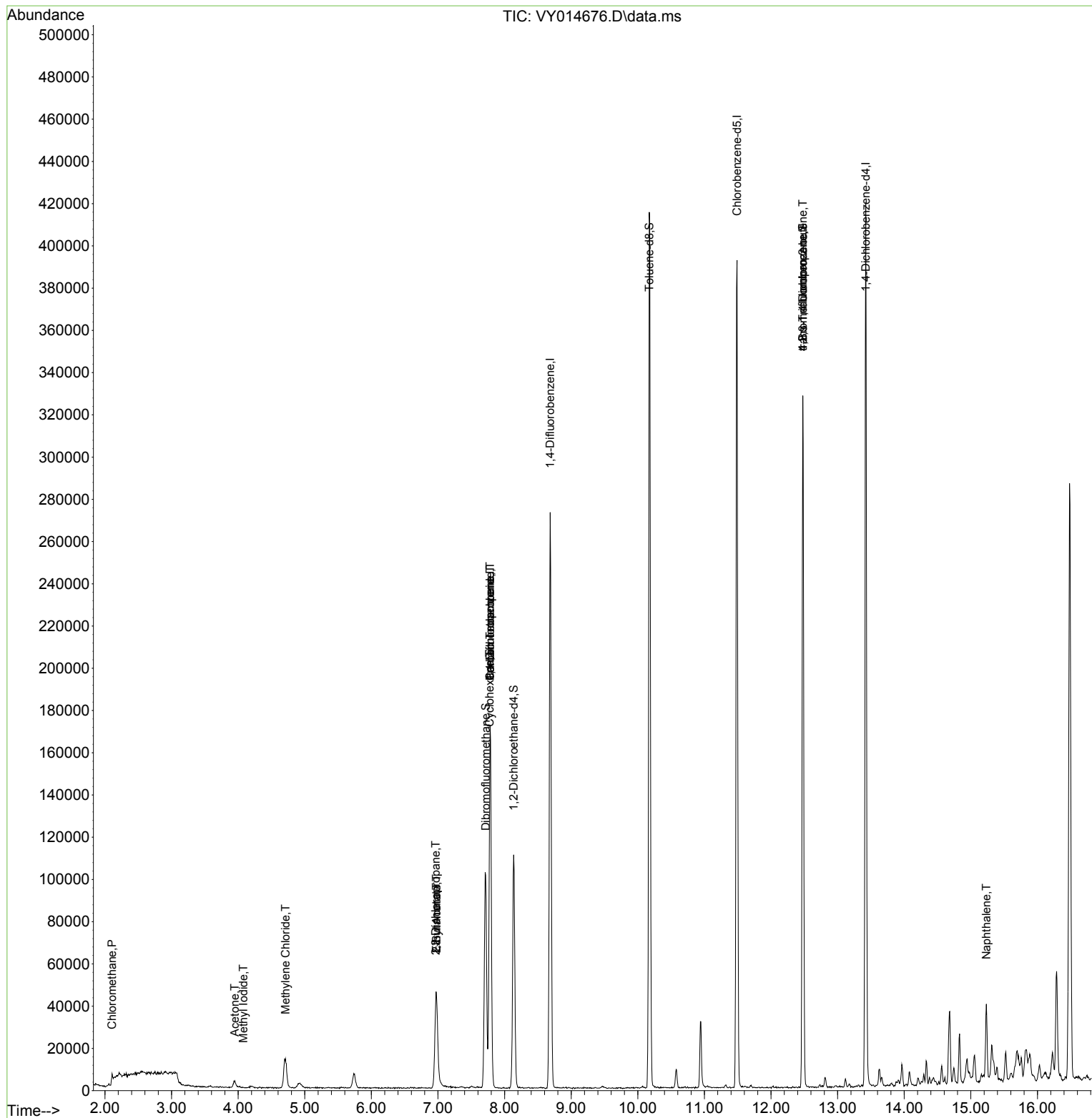
Internal Standards						
1) Pentafluorobenzene	7.783	168	134591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	232329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84881	55.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.680%	
35) Dibromofluoromethane	7.716	113	73797	49.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.800%	
50) Toluene-d8	10.173	98	277479	50.890	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.477	95	104594	50.028	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.060%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	1910	1.550	ug/l	90
10) Methyl Iodide	4.076	142	50	2.401	ug/l #	38
11) Tert butyl alcohol	4.936	59	3022	Below Cal	#	89
16) Acetone	3.948	43	6127	12.607	ug/l	100
20) Methylene Chloride	4.710	84	10679	2.775	ug/l #	83
25) 2-Butanone	6.978	43	2878	4.048	ug/l #	68
26) 2,2-Dichloropropane	6.966	77	3658	1.402	ug/l #	54
31) Cyclohexane	7.777	56	2793	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10674	4.826	ug/l #	51
37) Ethyl Acetate	6.978	43	2878	1.890	ug/l #	54
38) Carbon Tetrachloride	7.783	117	13386	5.725	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53418	40.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53418	77.743	ug/l #	11
95) Naphthalene	15.233	128	28995	5.840	ug/l	98

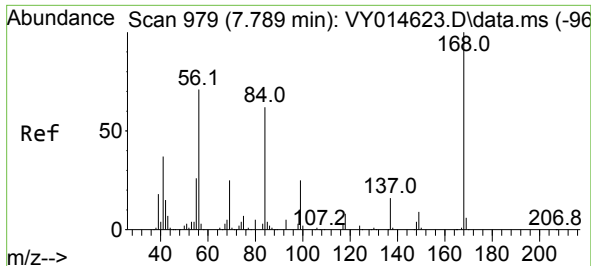
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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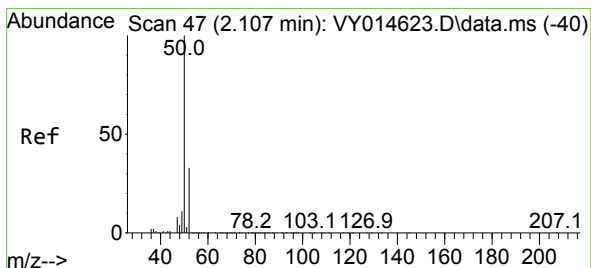
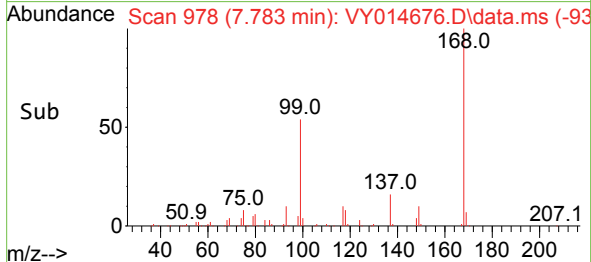
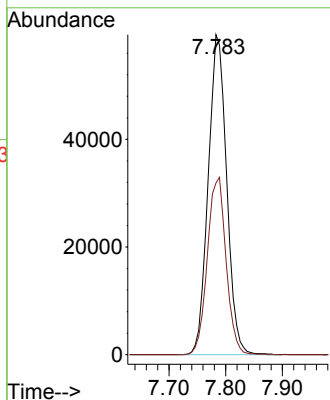
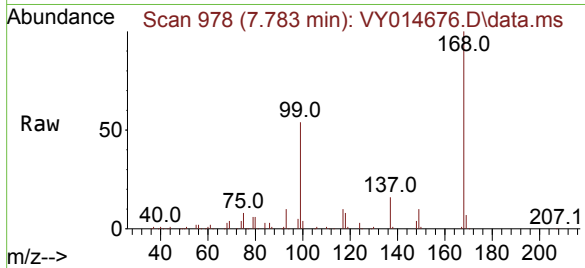




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

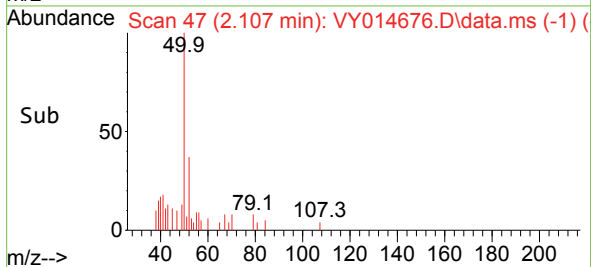
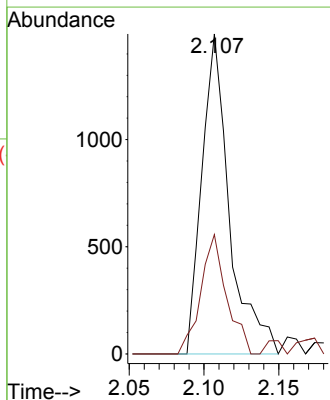
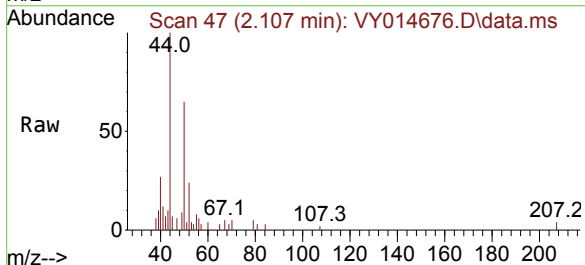
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

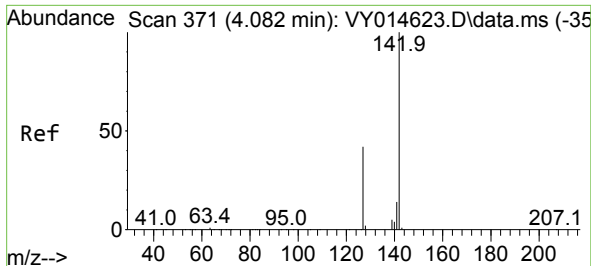
Tgt Ion:168 Resp: 134591
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#3
Chloromethane
Concen: 1.550 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 50 Resp: 1910
Ion Ratio Lower Upper
50 100
52 37.3 25.4 38.2

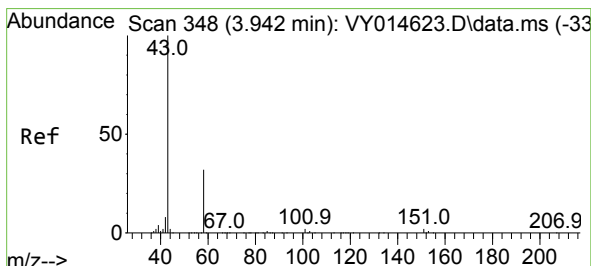
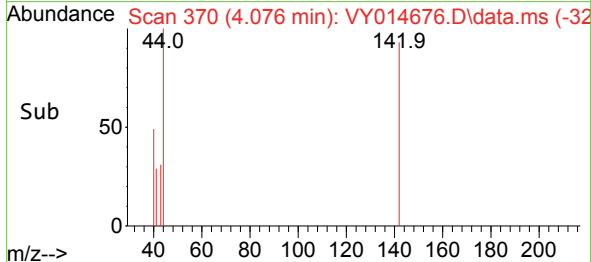
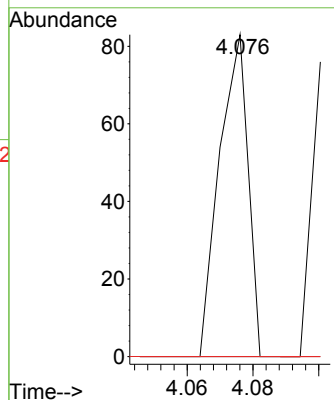
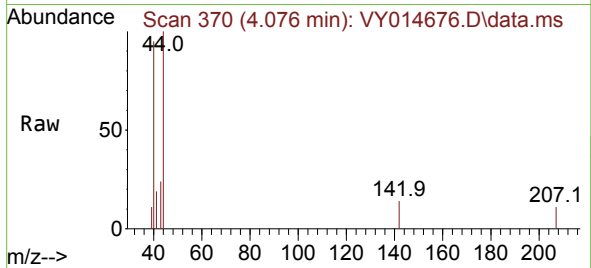




#10
Methyl Iodide
Concen: 2.401 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

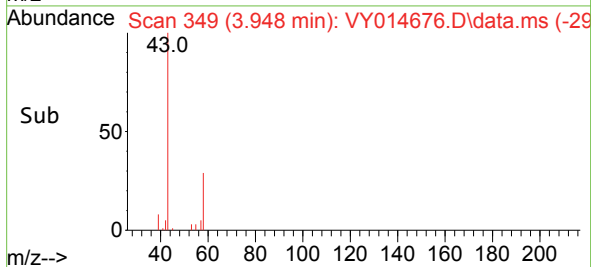
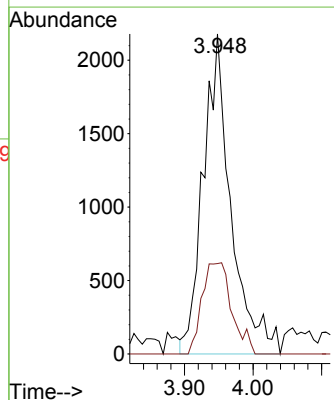
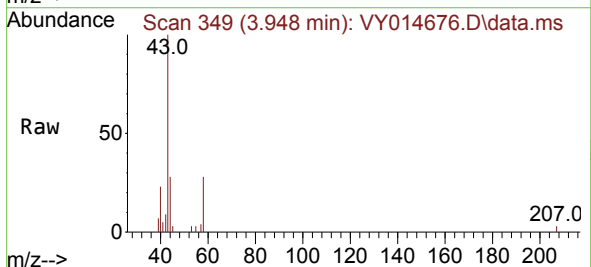
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

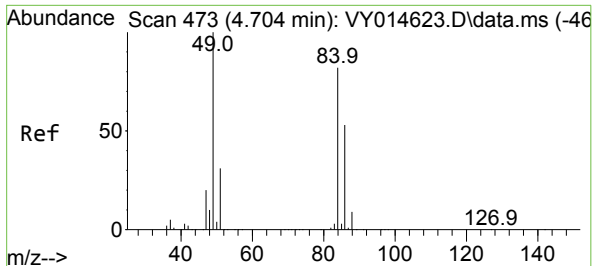
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 12.607 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

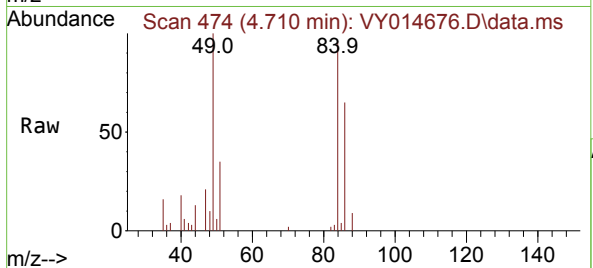
Tgt Ion: 43 Resp: 6127
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1



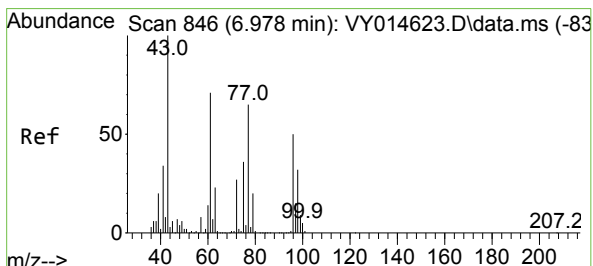
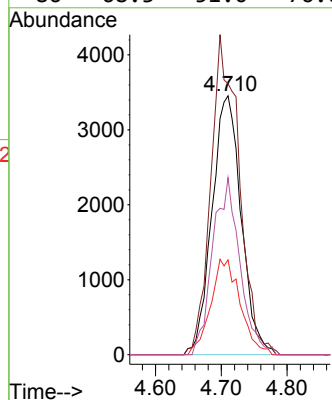
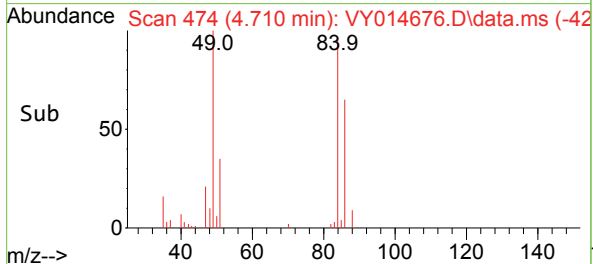


#20
Methylene Chloride
Concen: 2.775 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

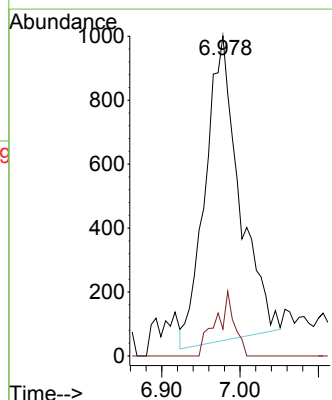
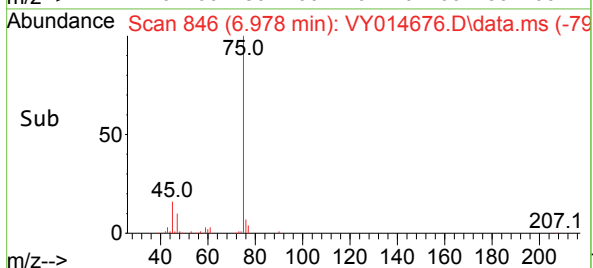
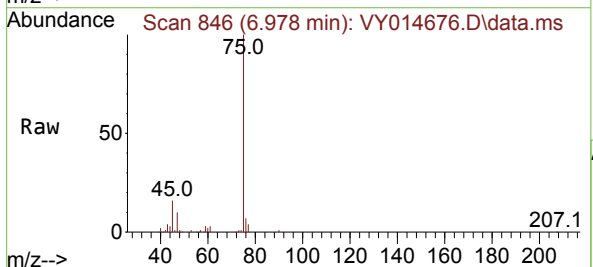


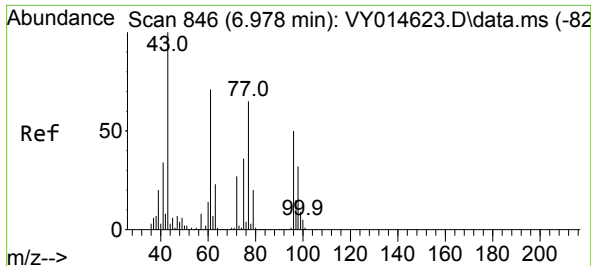
Tgt Ion: 84 Resp: 10679
Ion Ratio Lower Upper
84 100
49 104.7 106.9 160.3#
51 36.7 33.2 49.8
86 68.3 51.0 76.6



#25
2-Butanone
Concen: 4.048 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 43 Resp: 2878
Ion Ratio Lower Upper
43 100
72 9.2 20.5 30.7#

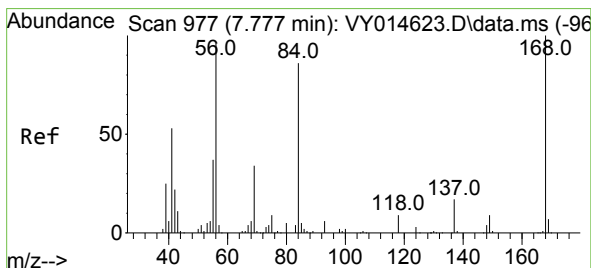
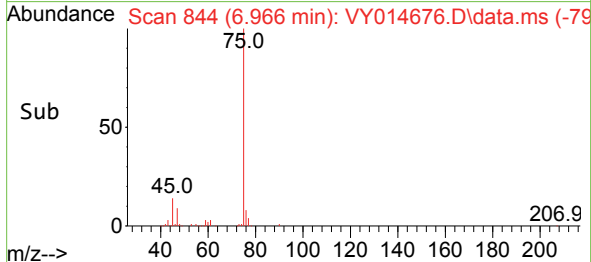
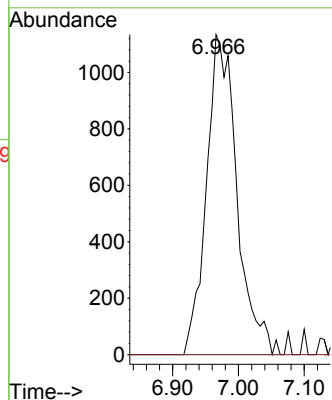
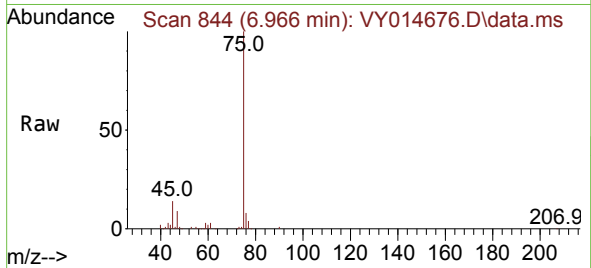




#26
2,2-Dichloropropane
Concen: 1.402 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

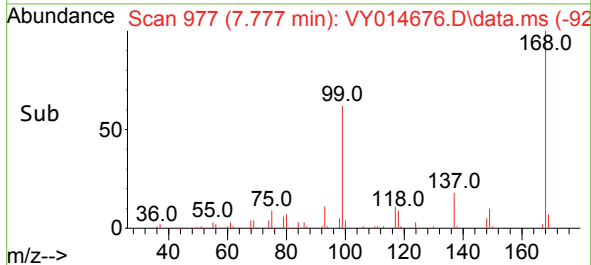
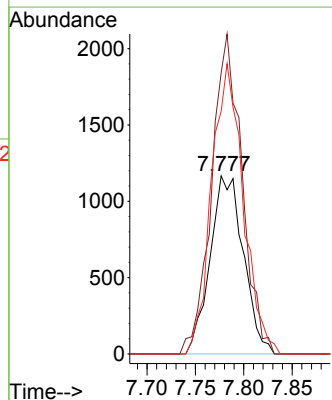
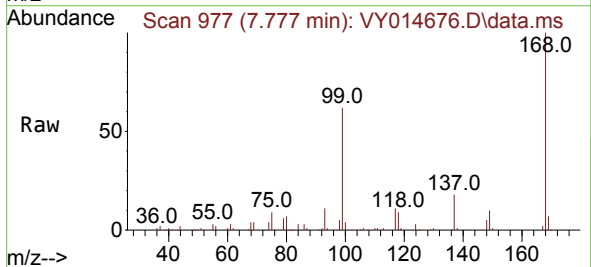
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

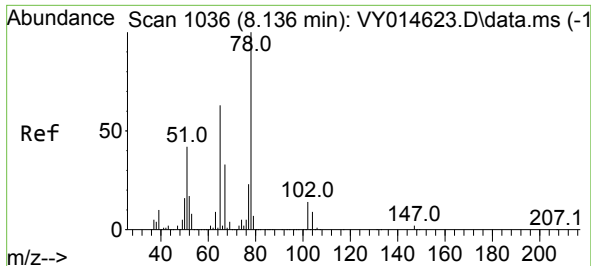
Tgt Ion: 77 Resp: 3658
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 56 Resp: 2793
Ion Ratio Lower Upper
56 100
69 157.8 27.8 41.6#
84 136.3 66.4 99.6#

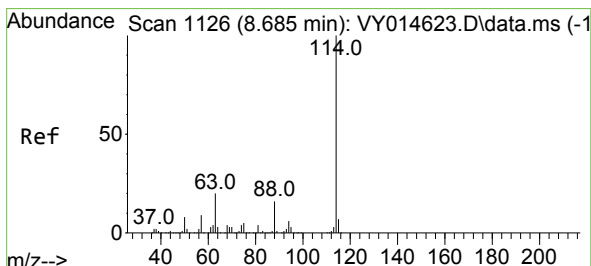
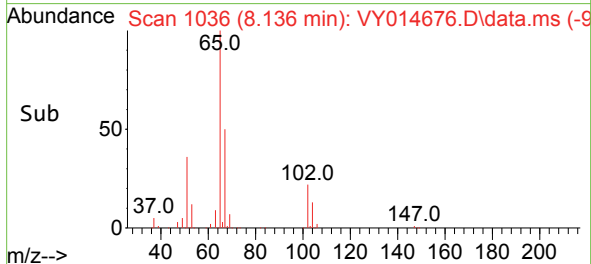
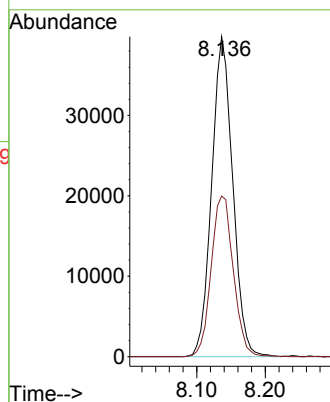
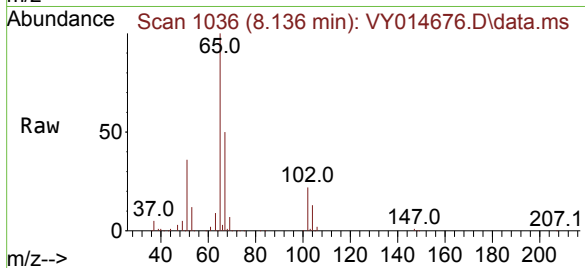




#33
 1,2-Dichloroethane-d4
 Concen: 55.343 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014676.D
 Acq: 17 Jul 2023 16:43

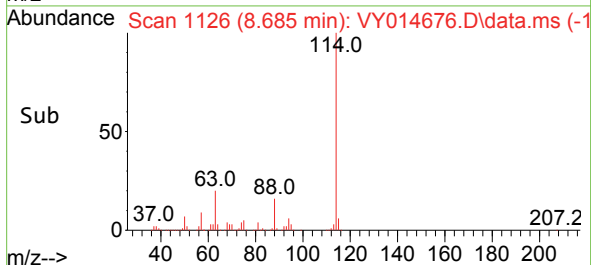
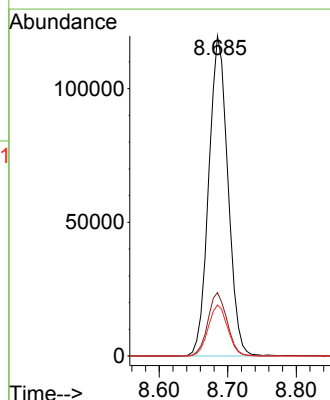
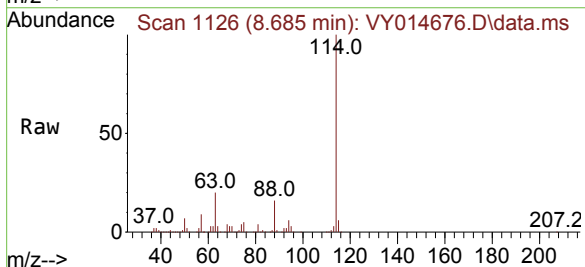
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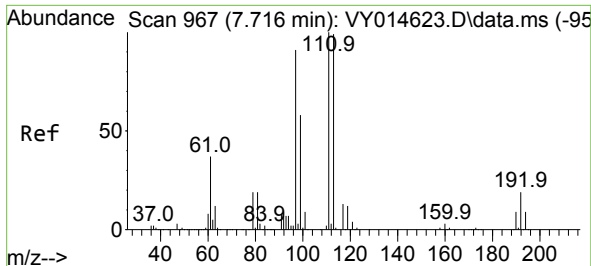
Tgt Ion: 65 Resp: 84881
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014676.D
 Acq: 17 Jul 2023 16:43

Tgt Ion: 114 Resp: 232329
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 16.0 0.0 30.6

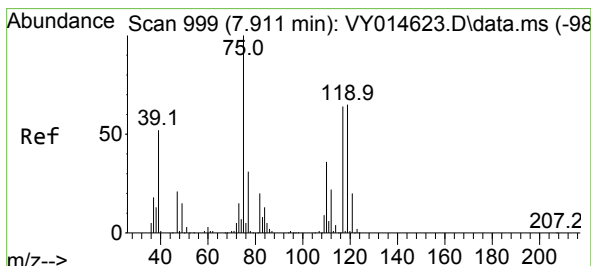
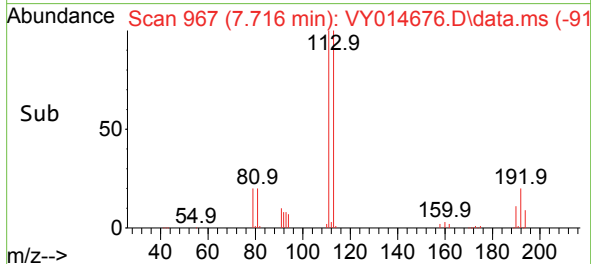
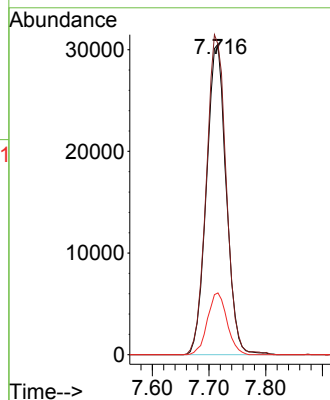
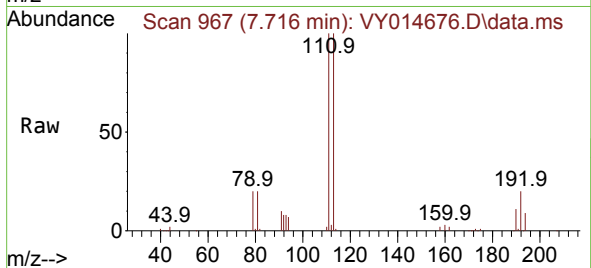




#35
Dibromofluoromethane
Concen: 49.898 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

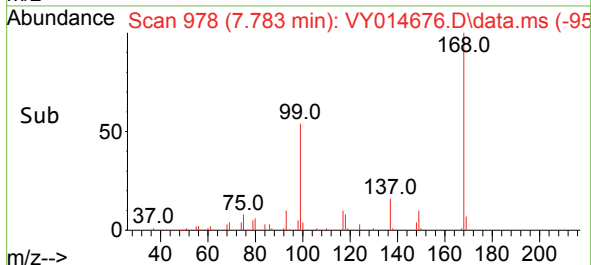
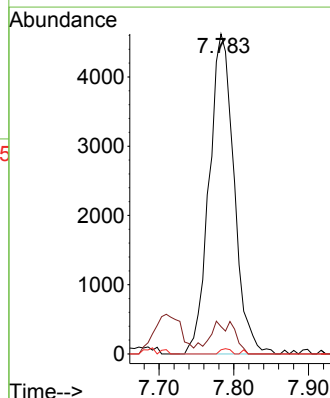
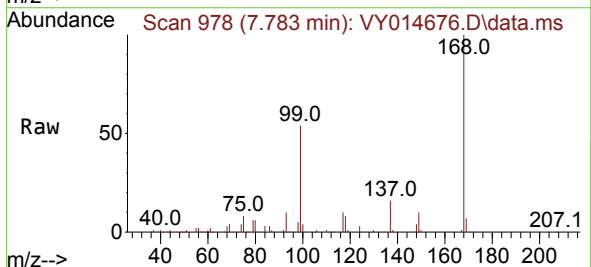
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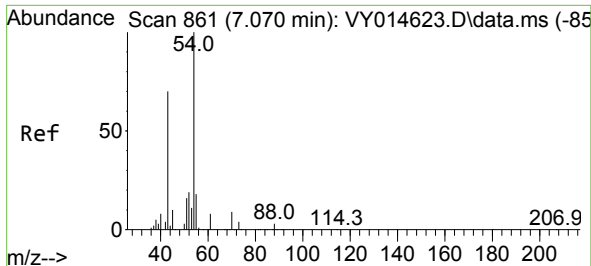
Tgt Ion:113 Resp: 73797
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 75 Resp: 10674
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.7 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.890 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY014676.D

Acq: 17 Jul 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

SS-01-GRABRE

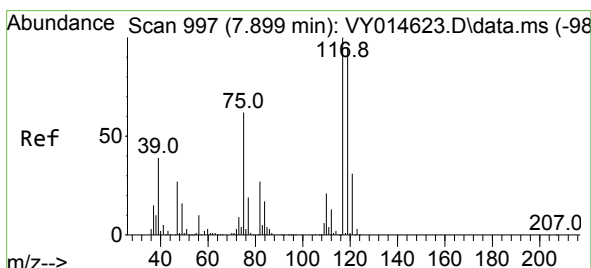
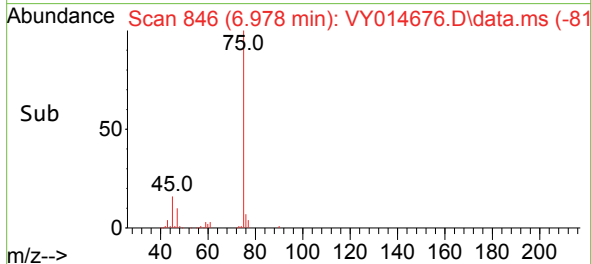
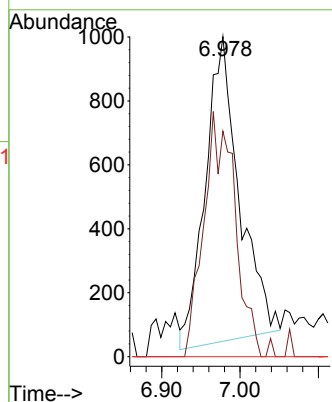
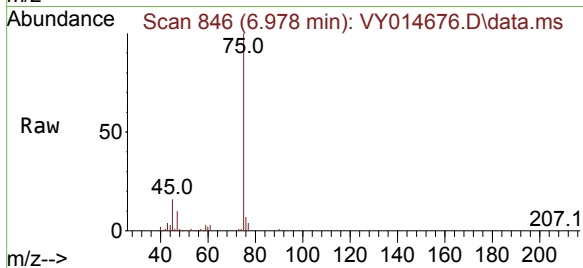
Tgt Ion: 43 Resp: 2878

Ion Ratio Lower Upper

43 100

61 36.9 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.725 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014676.D

Acq: 17 Jul 2023 16:43

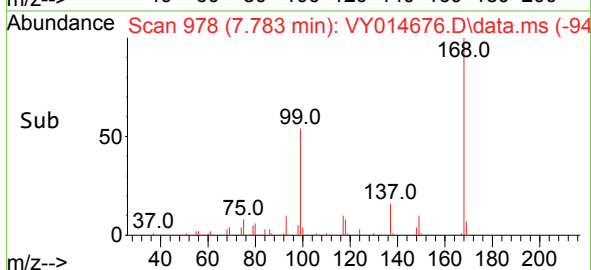
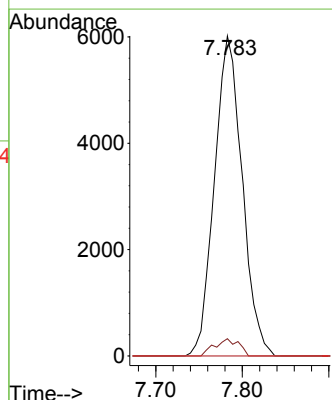
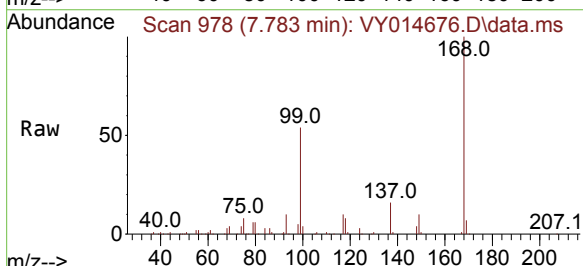
Tgt Ion: 117 Resp: 13386

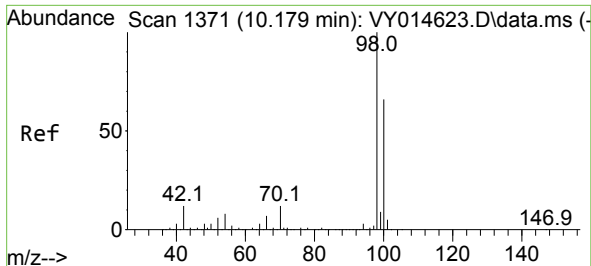
Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

121 0.0 25.8 38.6#

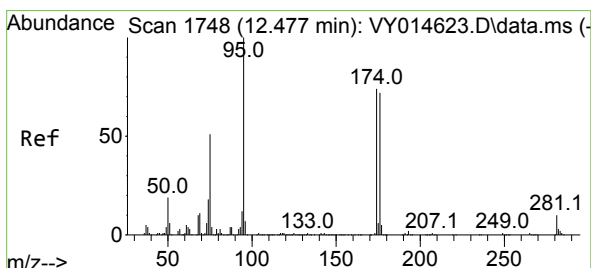
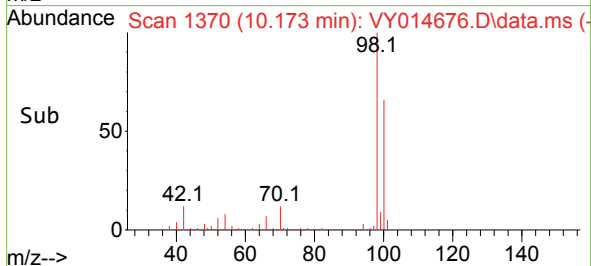
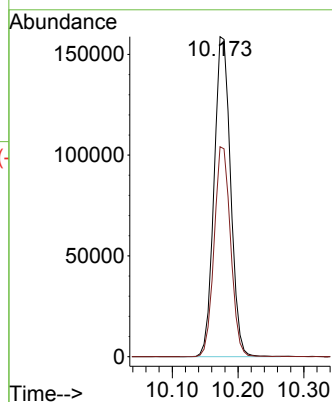
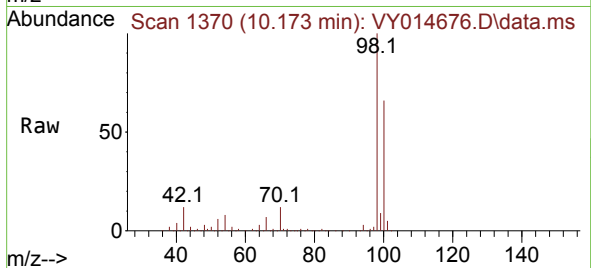




#50
Toluene-d8
Concen: 50.890 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

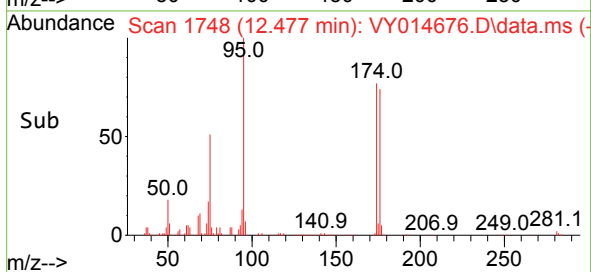
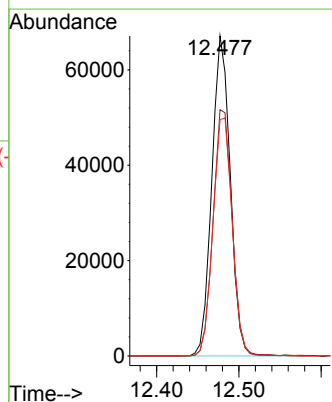
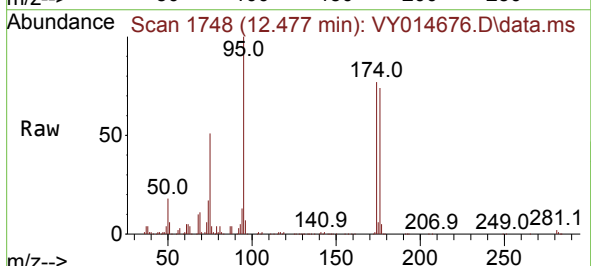
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

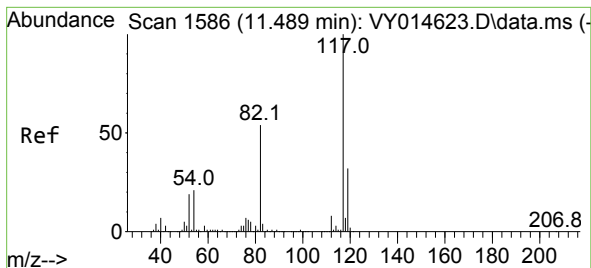
Tgt Ion: 98 Resp: 277479
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.028 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 95 Resp: 104594
Ion Ratio Lower Upper
95 100
174 79.5 0.0 178.2
176 77.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014676.D

Acq: 17 Jul 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :

SS-01-GRABRE

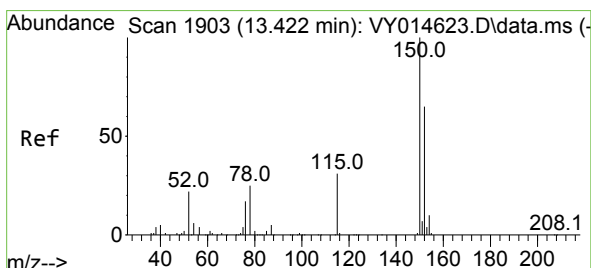
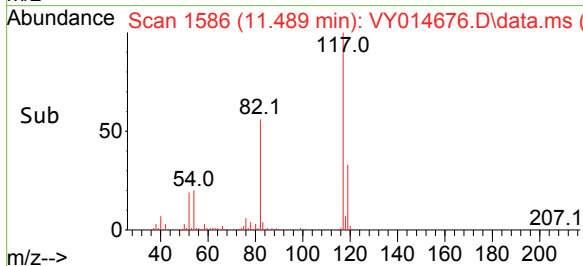
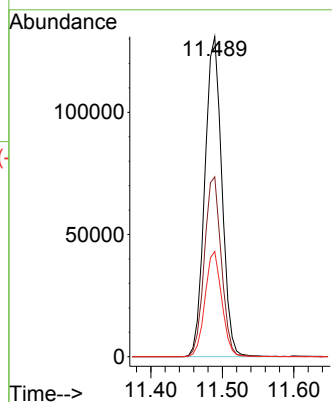
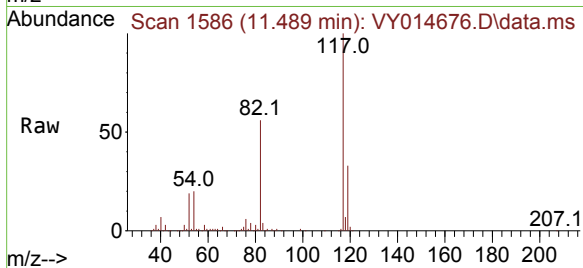
Tgt Ion:117 Resp: 216734

Ion Ratio Lower Upper

117 100

82 56.2 43.4 65.0

119 32.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014676.D

Acq: 17 Jul 2023 16:43

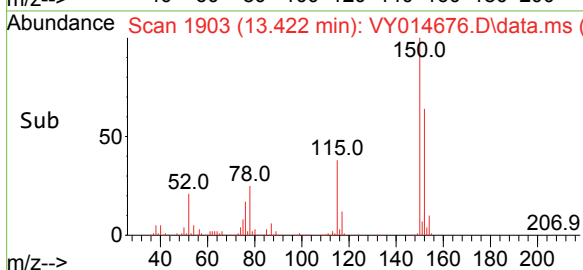
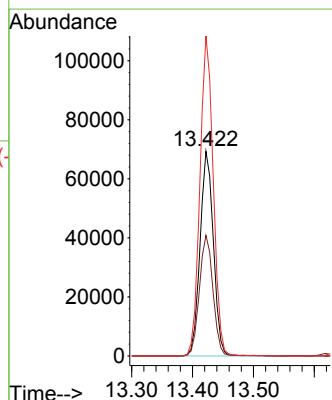
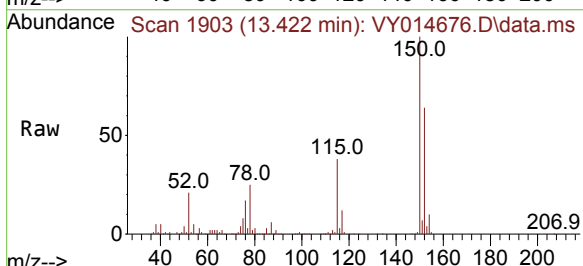
Tgt Ion:152 Resp: 105336

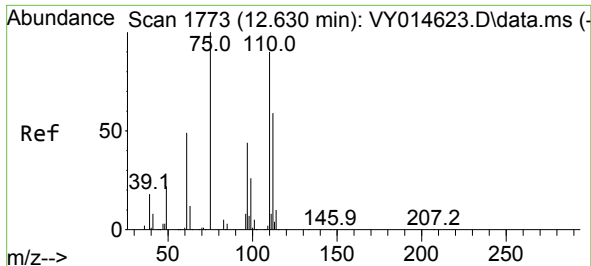
Ion Ratio Lower Upper

152 100

115 60.2 28.8 86.5

150 156.4 0.0 348.8

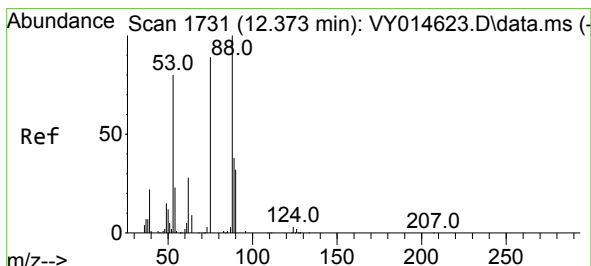
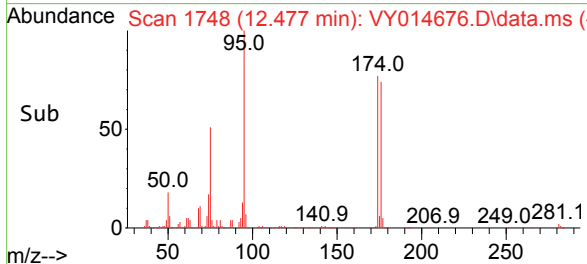
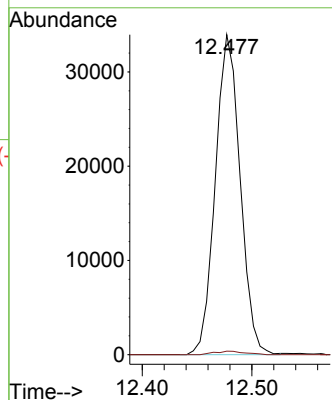
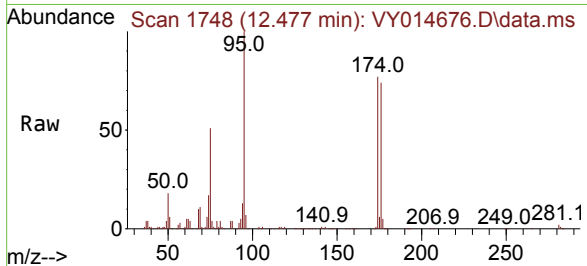




#76
1,2,3-Trichloropropane
Concen: 40.153 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

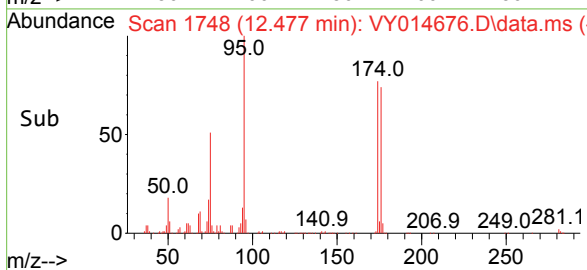
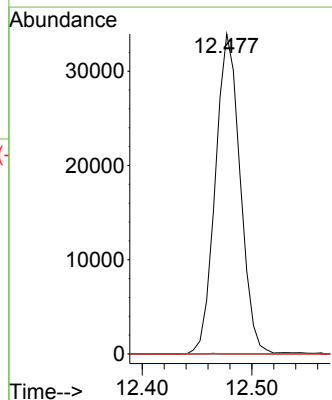
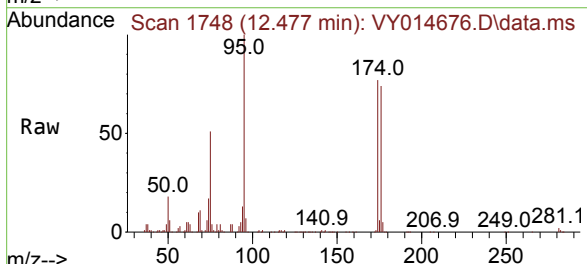
Instrument :
MSVOA_Y
ClientSampleId :
SS-01-GRABRE

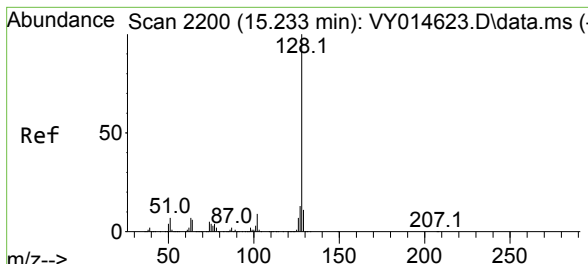
Tgt Ion: 75 Resp: 53418
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.743 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014676.D
Acq: 17 Jul 2023 16:43

Tgt Ion: 75 Resp: 53418
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
 Naphthalene
 Concen: 5.840 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014676.D
 Acq: 17 Jul 2023 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-01-GRABRE

Tgt Ion:	128	Resp:	28995
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	12.8	8.6	13.0

