

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014571.D
 Acq On : 05 Jul 2023 20:18
 Operator : KP/MD
 Sample : 03513-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 500-1-AB

Quant Time: Jul 06 01:38:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

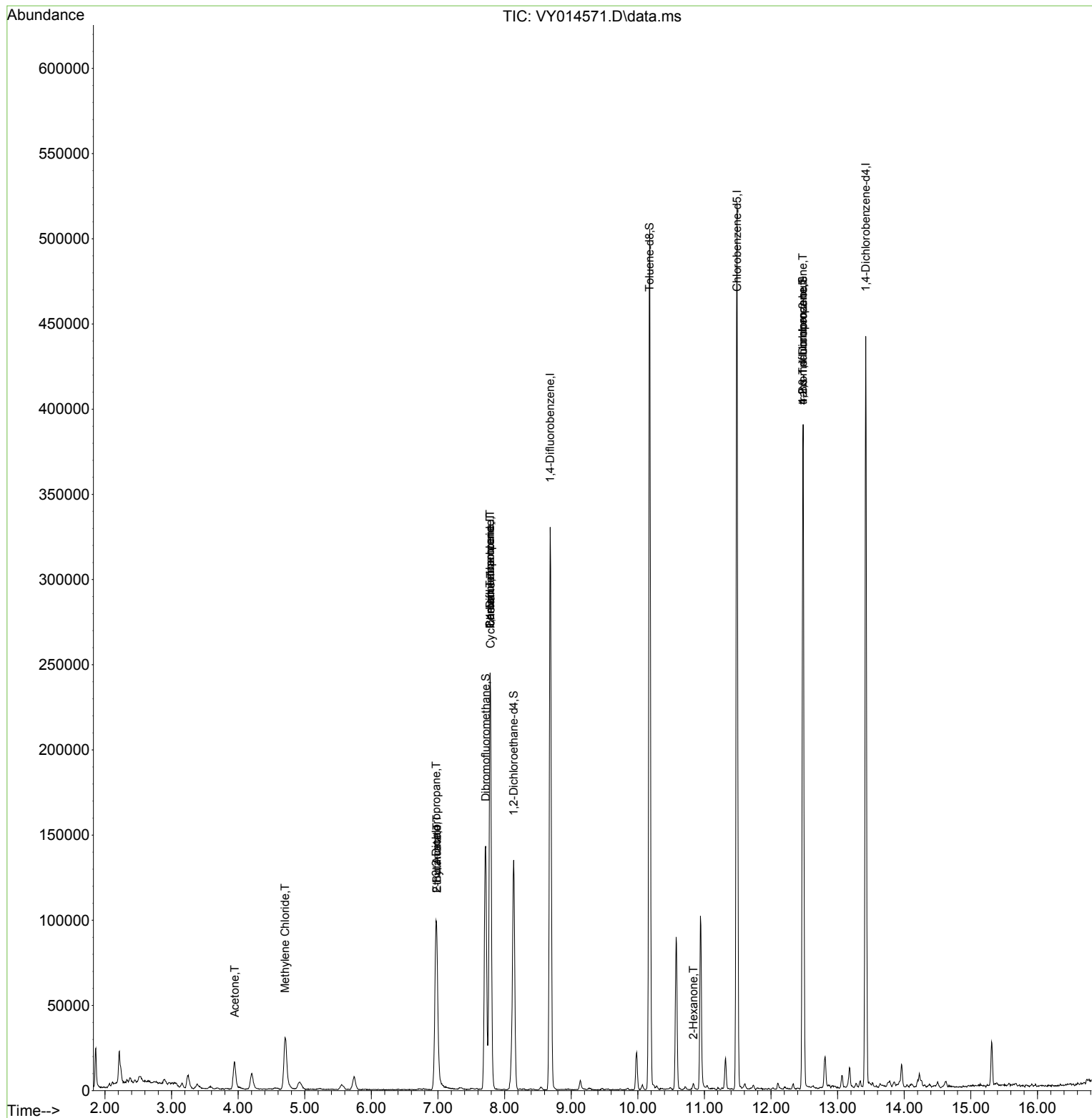
Internal Standards						
1) Pentafluorobenzene	7.783	168	215482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	307786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100308	46.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.580%
35) Dibromofluoromethane	7.716	113	104050	54.897	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.800%
50) Toluene-d8	10.179	98	356680	47.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.477	95	105751	40.646	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	51	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	5762	Below Cal	#	93
13) Acrolein	3.747	56	19	Below Cal	#	14
16) Acetone	3.948	43	28501	42.576	ug/l #	88
20) Methylene Chloride	4.704	84	23830	5.222	ug/l	89
25) 2-Butanone	6.984	43	11395	11.496	ug/l	92
26) 2,2-Dichloropropane	6.972	77	7785	2.318	ug/l #	54
31) Cyclohexane	7.789	56	3441	1.023	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	13706	4.722	ug/l #	49
37) Ethyl Acetate	6.984	43	11395	5.724	ug/l #	41
38) Carbon Tetrachloride	7.783	117	16752	5.529	ug/l #	17
59) 2-Hexanone	10.837	43	2269	1.573	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	50531	33.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50531	65.943	ug/l #	11

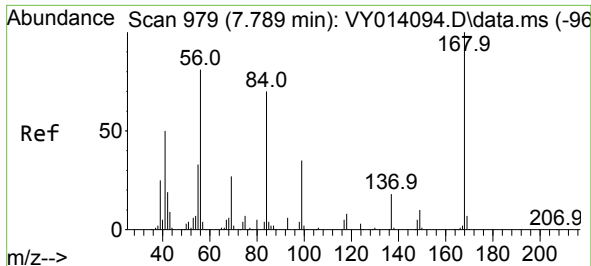
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
Data File : VY014571.D
Acq On : 05 Jul 2023 20:18
Operator : KP/MD
Sample : 03513-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

Quant Time: Jul 06 01:38:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 30 19:02:11 2023
Response via : Initial Calibration

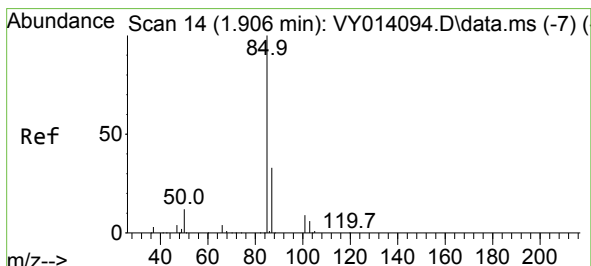
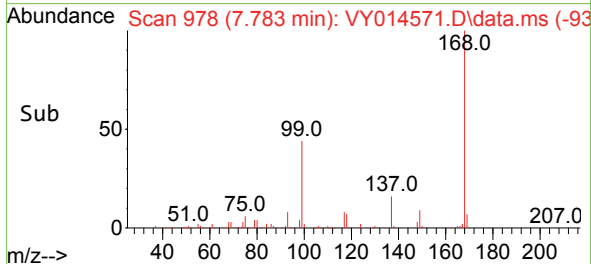
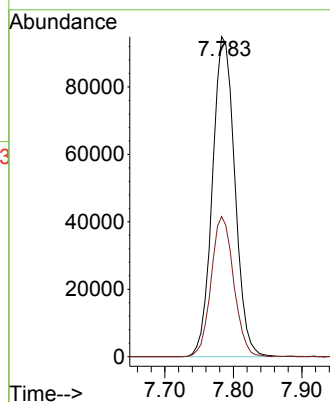
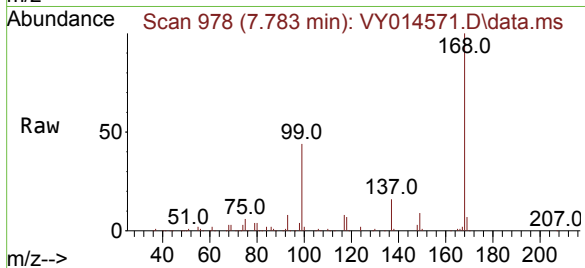




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

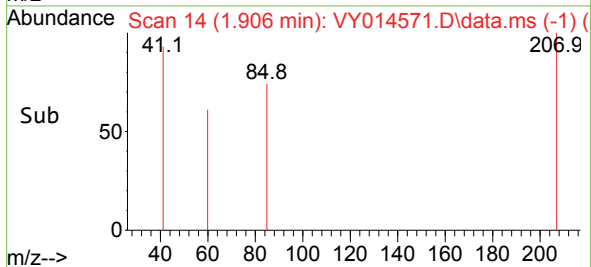
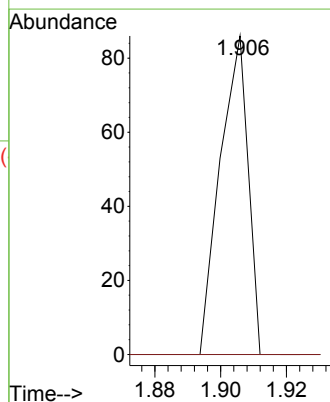
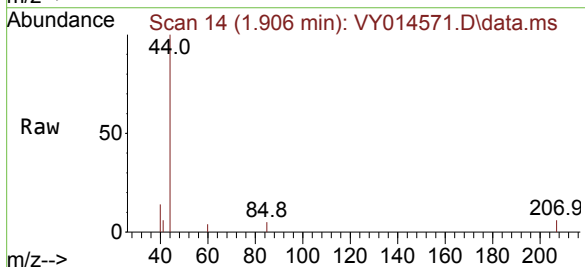
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

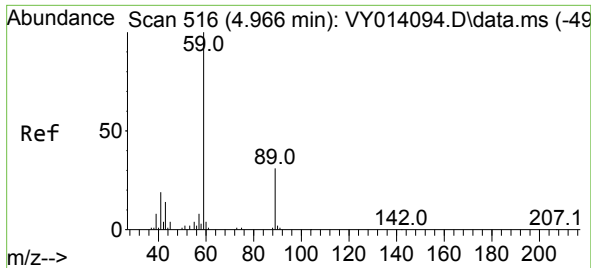
Tgt Ion:168 Resp: 215482
Ion Ratio Lower Upper
168 100
99 43.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

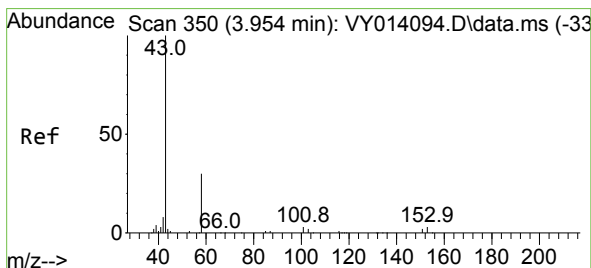
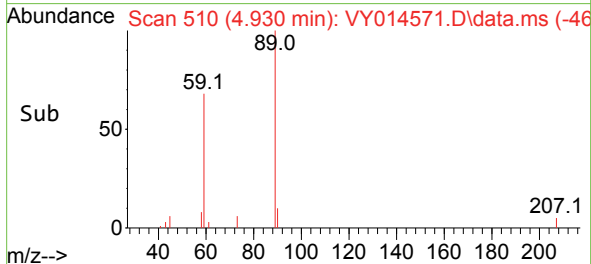
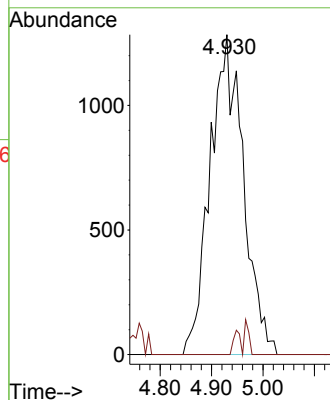
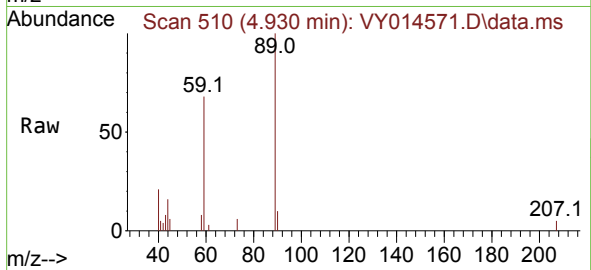




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 516
Delta R.T. -0.036 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

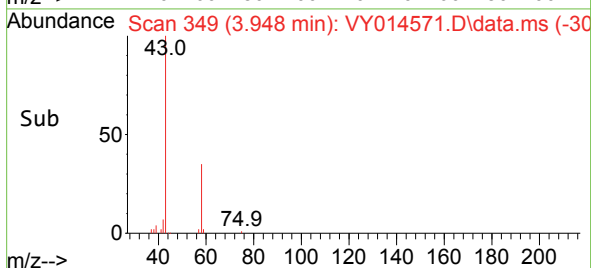
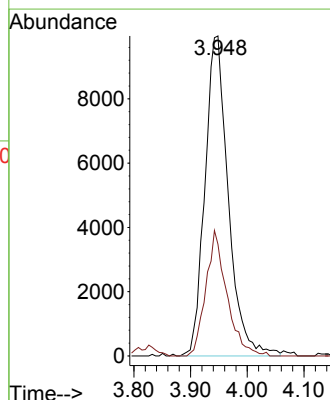
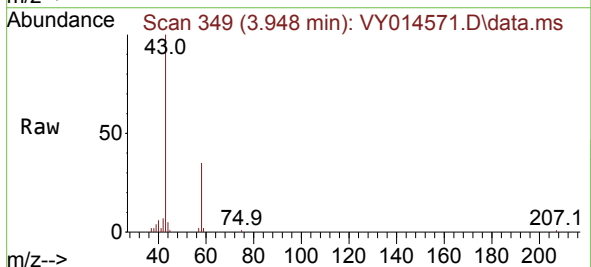
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

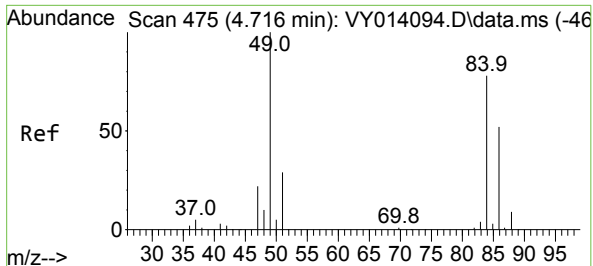
Tgt Ion: 59 Resp: 5762
Ion Ratio Lower Upper
59 100
57 1.5 3.0 4.4#



#16
Acetone
Concen: 42.576 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 43 Resp: 28501
Ion Ratio Lower Upper
43 100
58 34.9 22.7 34.1#

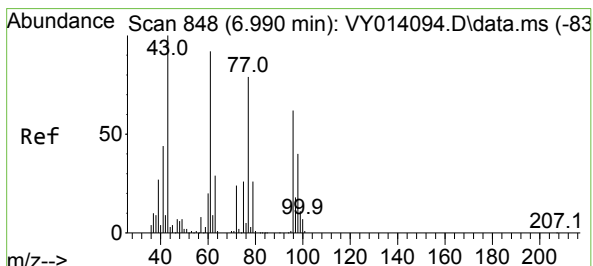
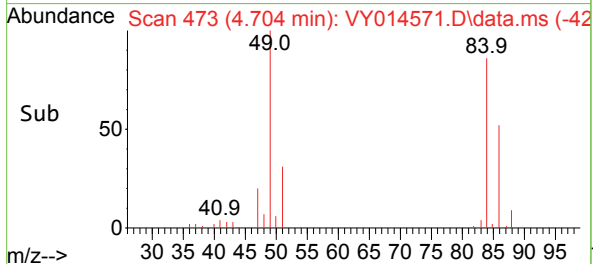
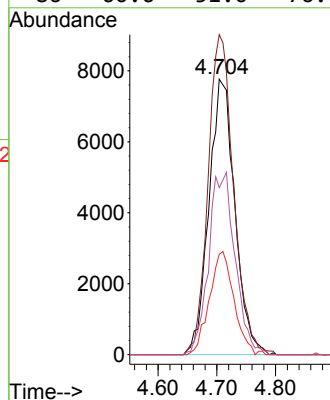
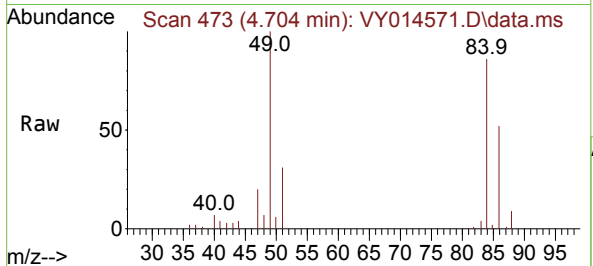




#20
Methylene Chloride
Concen: 5.222 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

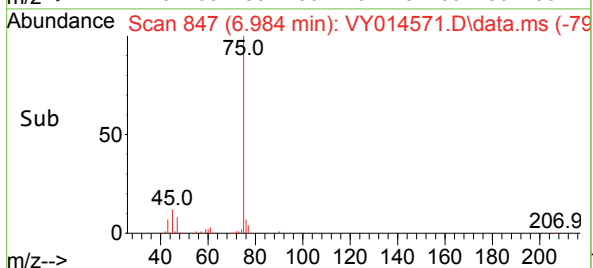
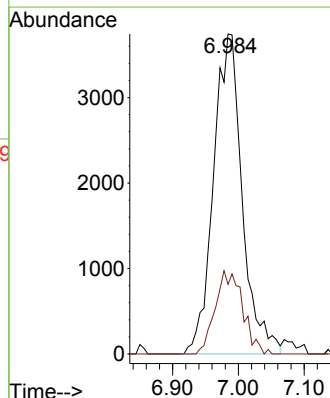
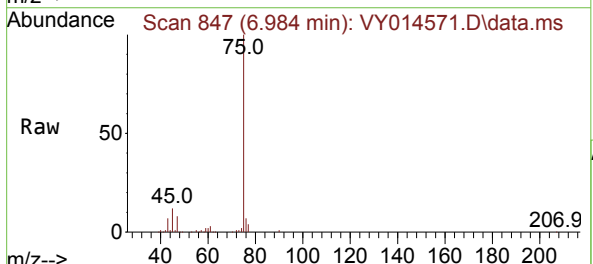
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

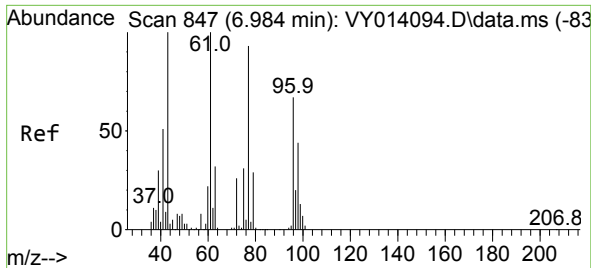
Tgt Ion:	84	Resp:	23830
Ion	Ratio	Lower	Upper
84	100		
49	116.2	106.9	160.3
51	36.4	33.2	49.8
86	60.6	51.0	76.6



#25
2-Butanone
Concen: 11.496 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion:	43	Resp:	11395
Ion	Ratio	Lower	Upper
43	100		
72	21.7	20.5	30.7

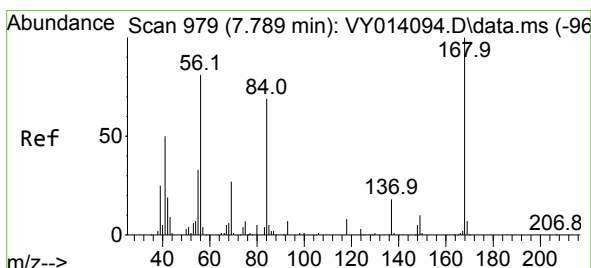
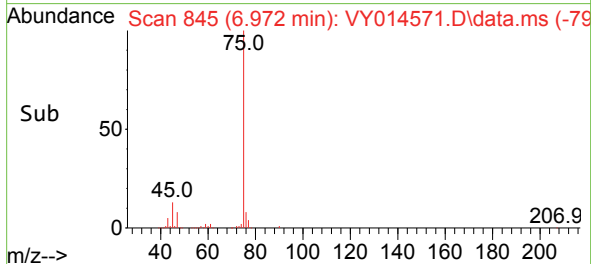
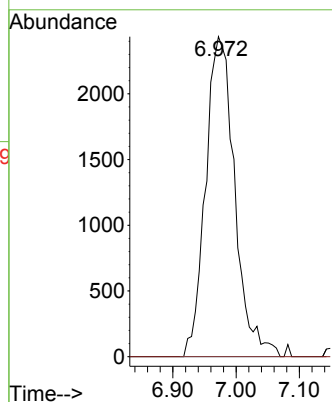
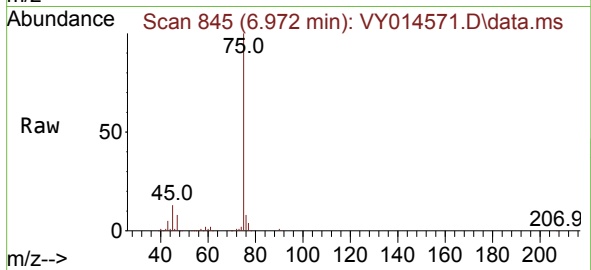




#26
2,2-Dichloropropane
Concen: 2.318 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

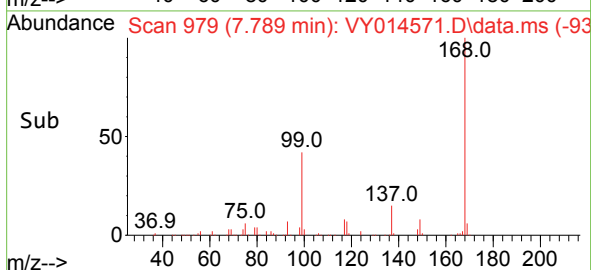
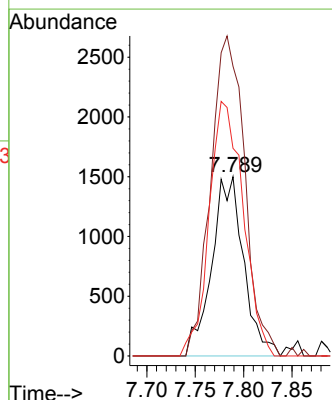
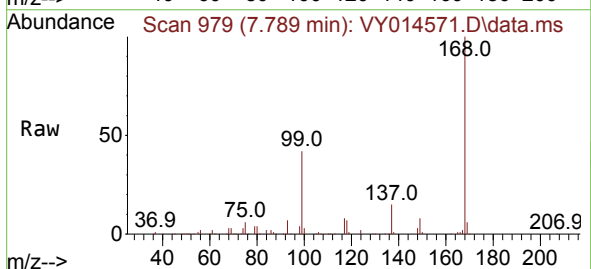
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

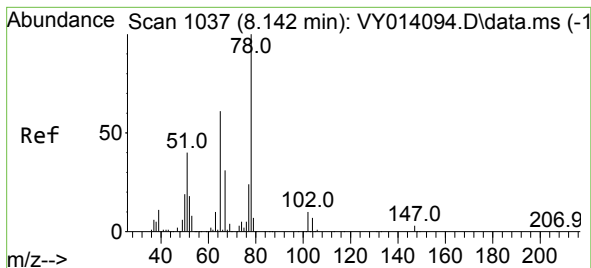
Tgt Ion: 77 Resp: 7785
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 161.7 27.8 41.6#
84 115.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.795 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014571.D

Acq: 05 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

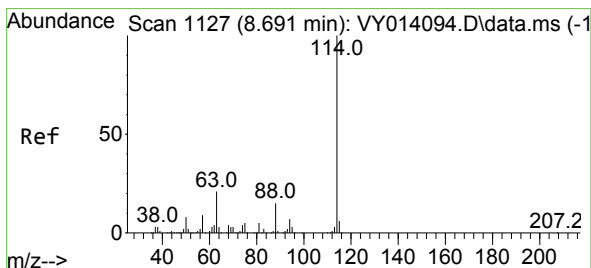
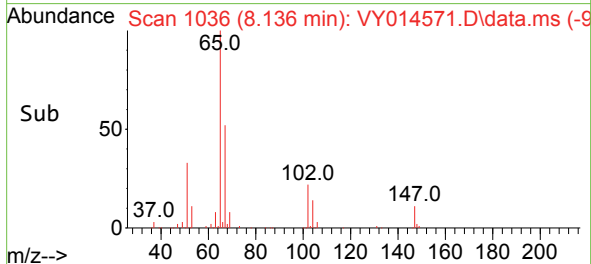
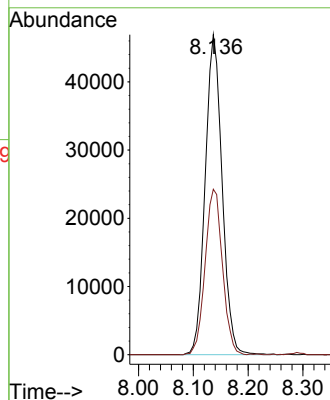
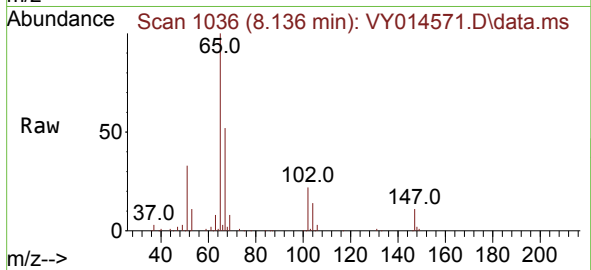
500-1-AB

Tgt Ion: 65 Resp: 100308

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. -0.006 min

Lab File: VY014571.D

Acq: 05 Jul 2023 20:18

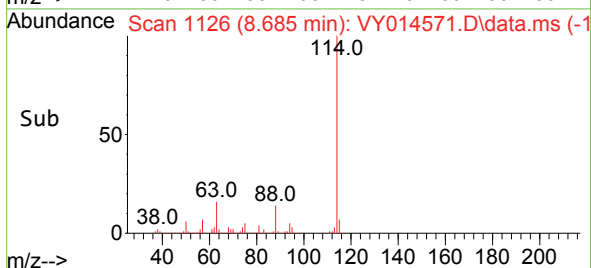
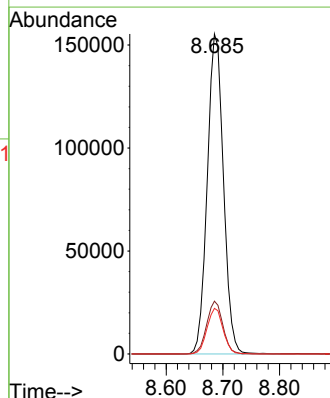
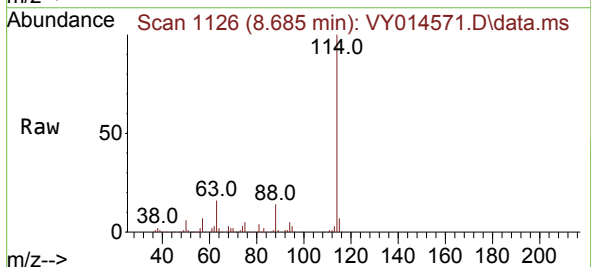
Tgt Ion: 114 Resp: 307786

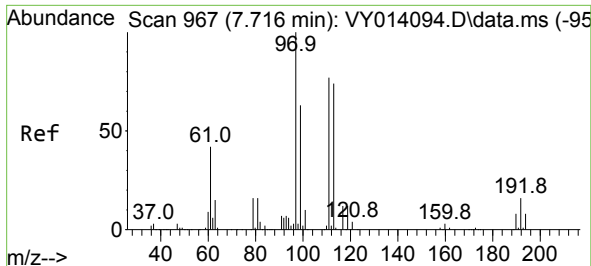
Ion Ratio Lower Upper

114 100

63 16.5 0.0 42.4

88 14.2 0.0 30.6

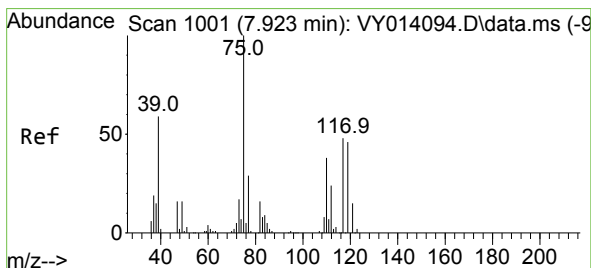
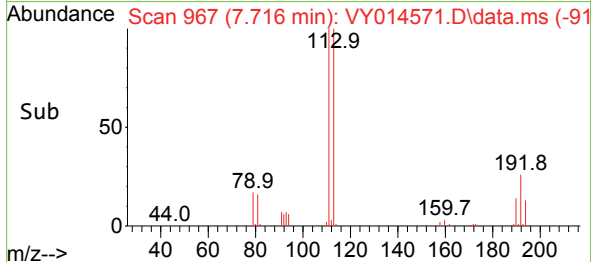
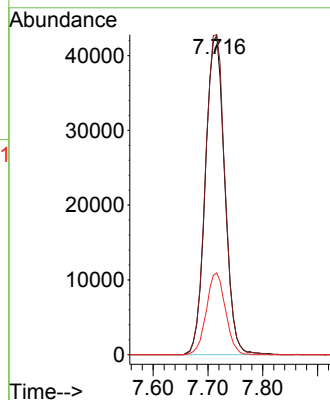
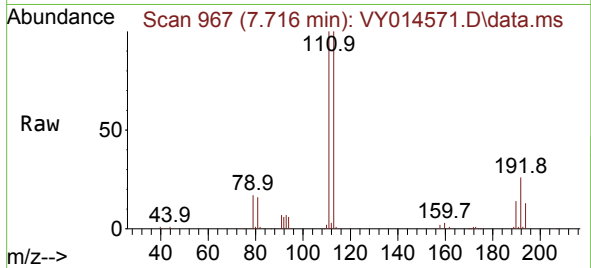




#35
Dibromofluoromethane
Concen: 54.897 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

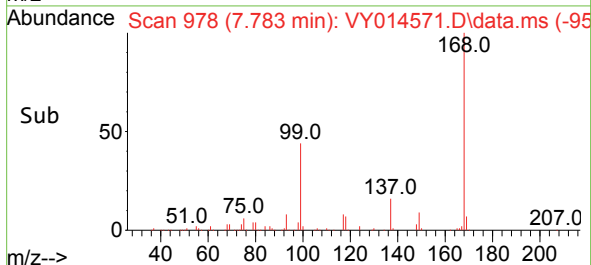
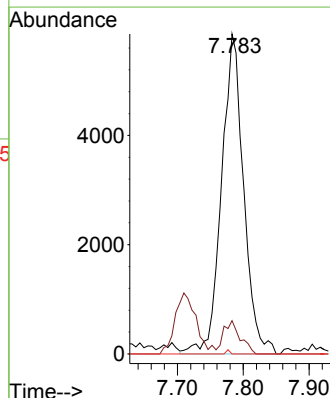
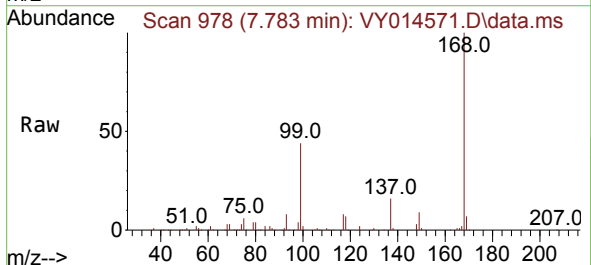
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

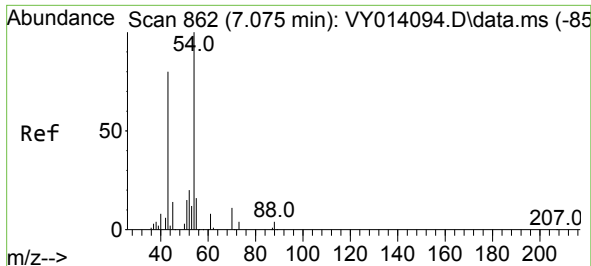
Tgt Ion:113 Resp: 104050
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 25.4 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 75 Resp: 13706
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.2 24.4 36.6#

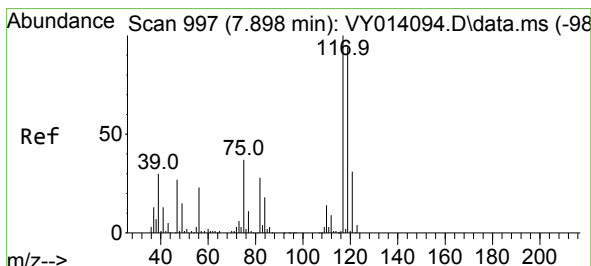
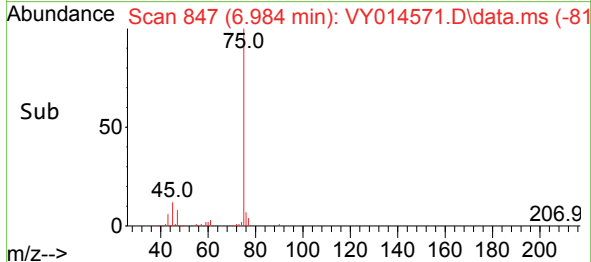
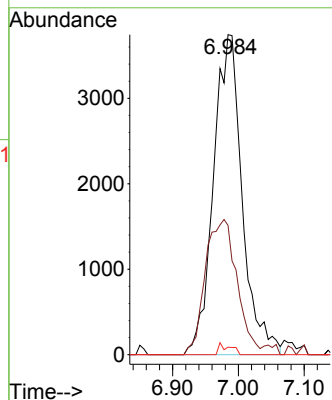
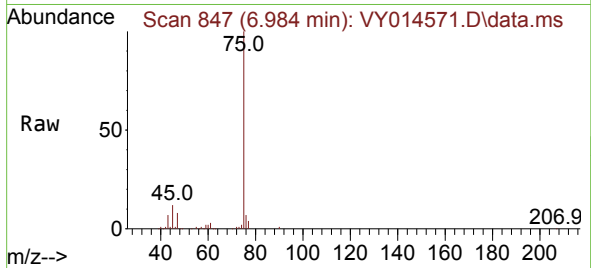




#37
Ethyl Acetate
Concen: 5.724 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

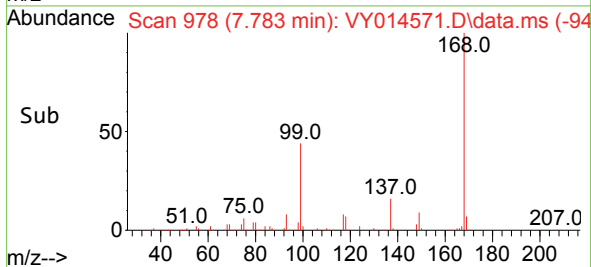
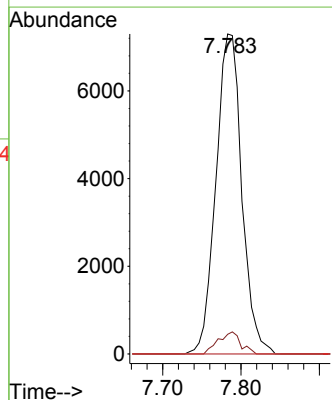
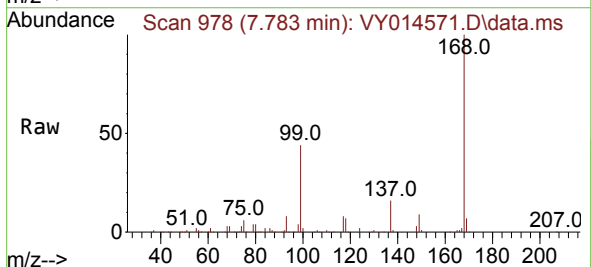
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

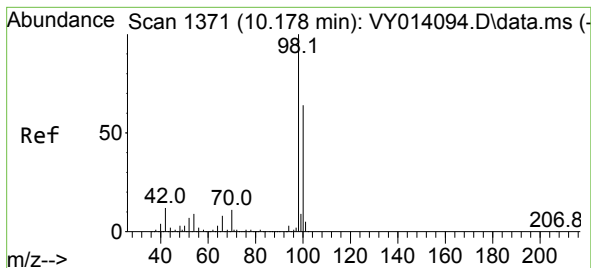
Tgt Ion: 43 Resp: 11395
Ion Ratio Lower Upper
43 100
61 46.4 10.1 15.1#
70 1.5 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 117 Resp: 16752
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#

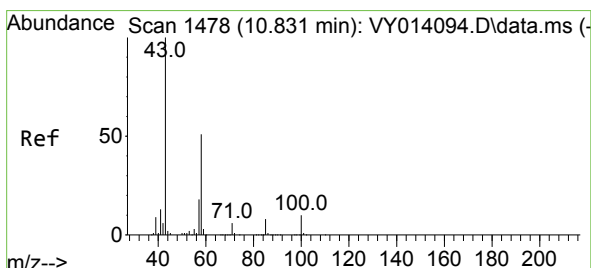
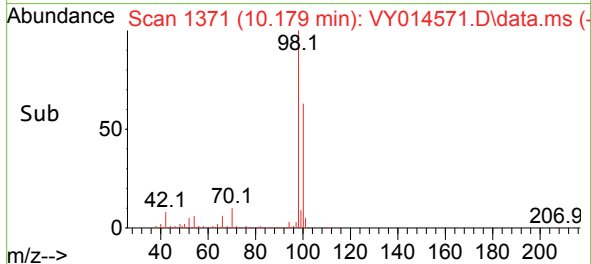
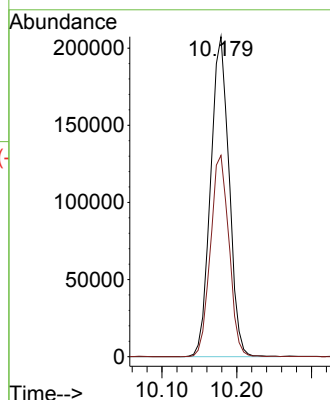
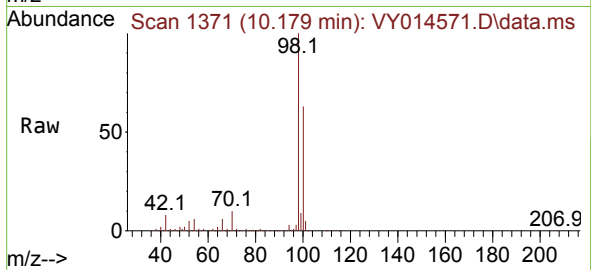




#50
Toluene-d8
Concen: 47.604 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

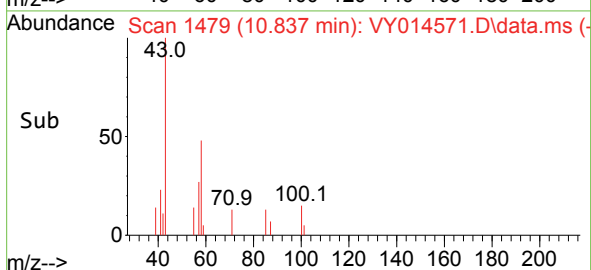
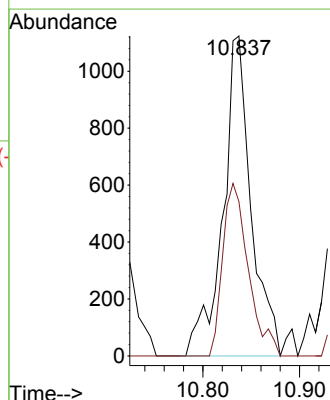
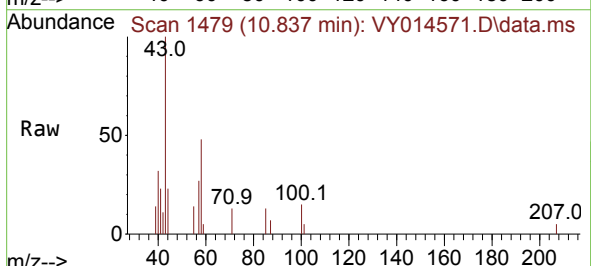
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

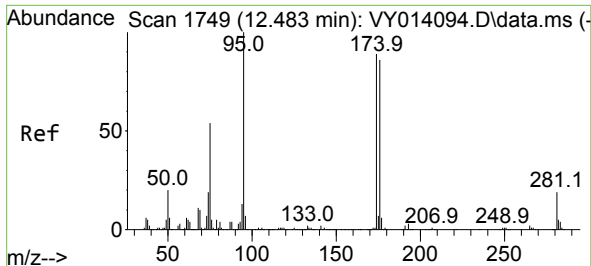
Tgt Ion: 98 Resp: 356680
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1



#59
2-Hexanone
Concen: 1.573 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
58 49.1 25.1 75.3

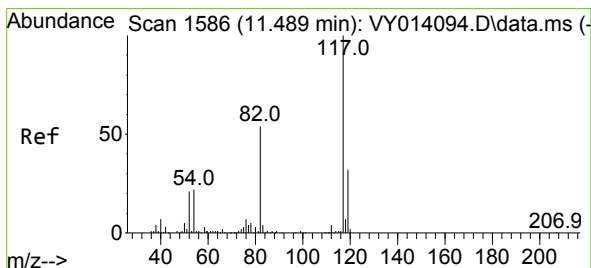
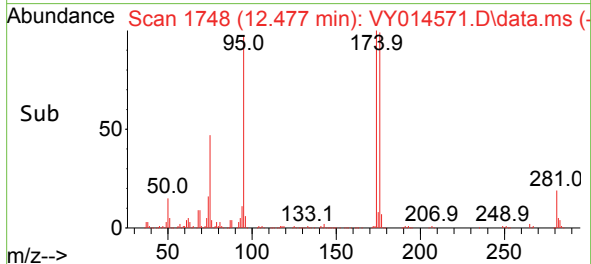
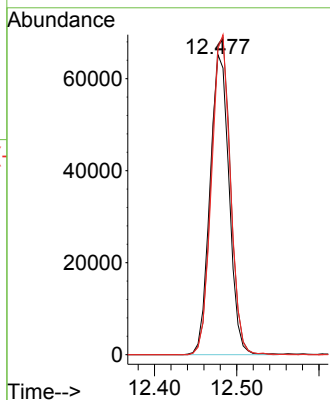
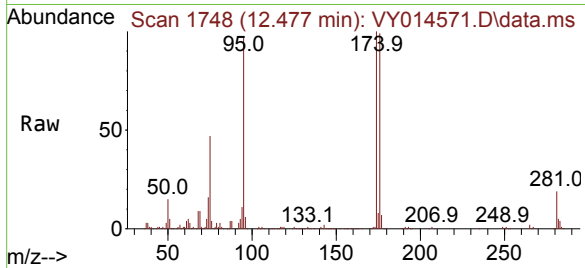




#62
4-Bromofluorobenzene
Concen: 40.646 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

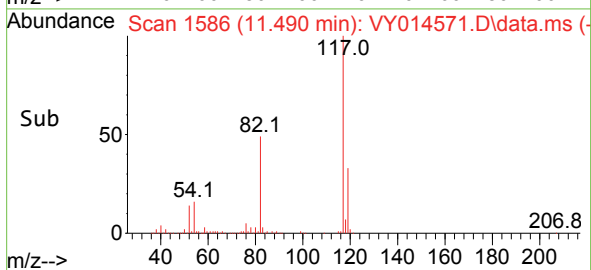
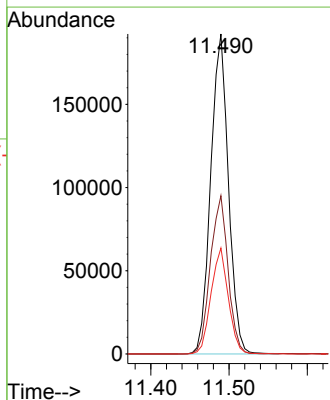
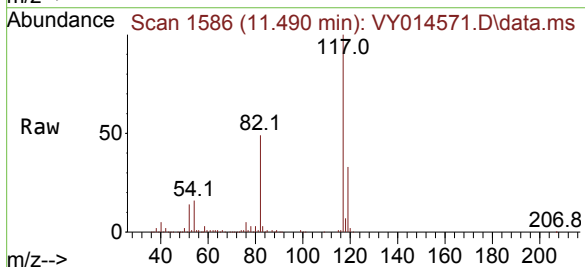
Instrument :
MSVOA_Y
ClientSampleId :
500-1-AB

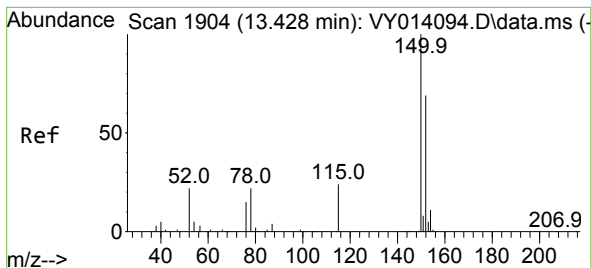
Tgt Ion: 95 Resp: 105751
Ion Ratio Lower Upper
95 100
174 107.1 0.0 178.2
176 104.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014571.D
Acq: 05 Jul 2023 20:18

Tgt Ion: 117 Resp: 301749
Ion Ratio Lower Upper
117 100
82 49.5 43.4 65.0
119 33.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014571.D

Acq: 05 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

500-1-AB

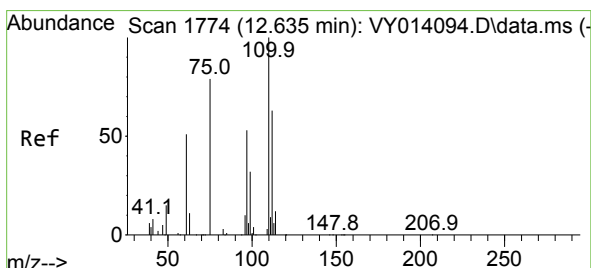
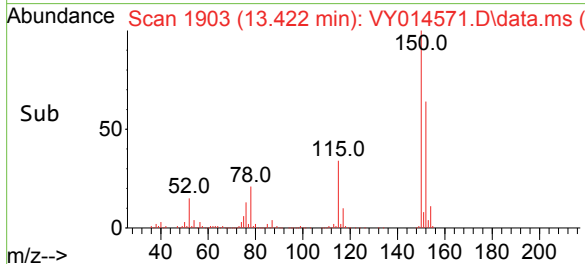
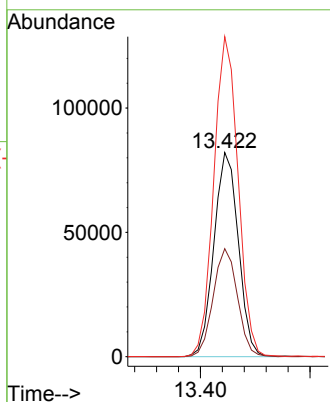
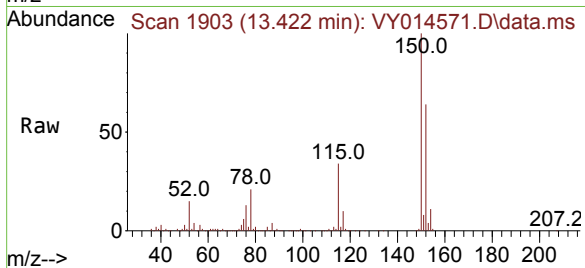
Tgt Ion:152 Resp: 127103

Ion Ratio Lower Upper

152 100

115 52.6 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.879 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014571.D

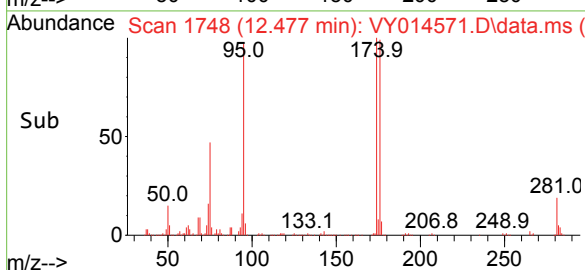
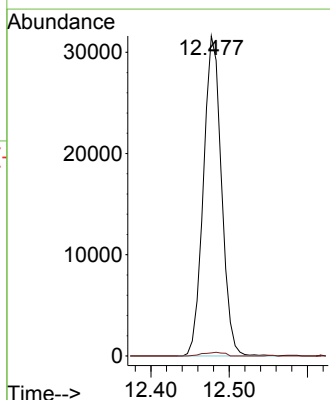
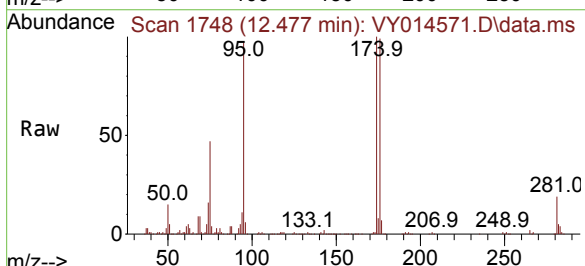
Acq: 05 Jul 2023 20:18

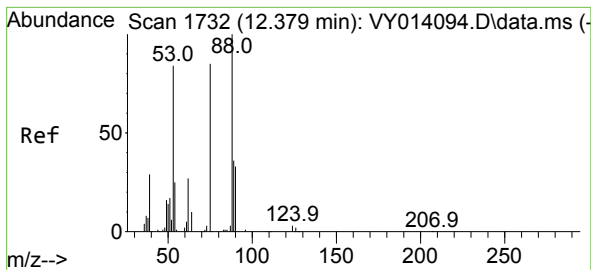
Tgt Ion: 75 Resp: 50531

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.943 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014571.D
 Acq: 05 Jul 2023 20:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 500-1-AB

Tgt Ion: 75 Resp: 50531
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

