

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014617.D
 Acq On : 10 Jul 2023 15:54
 Operator : SY/MD
 Sample : 03564-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 11 03:19:25 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)

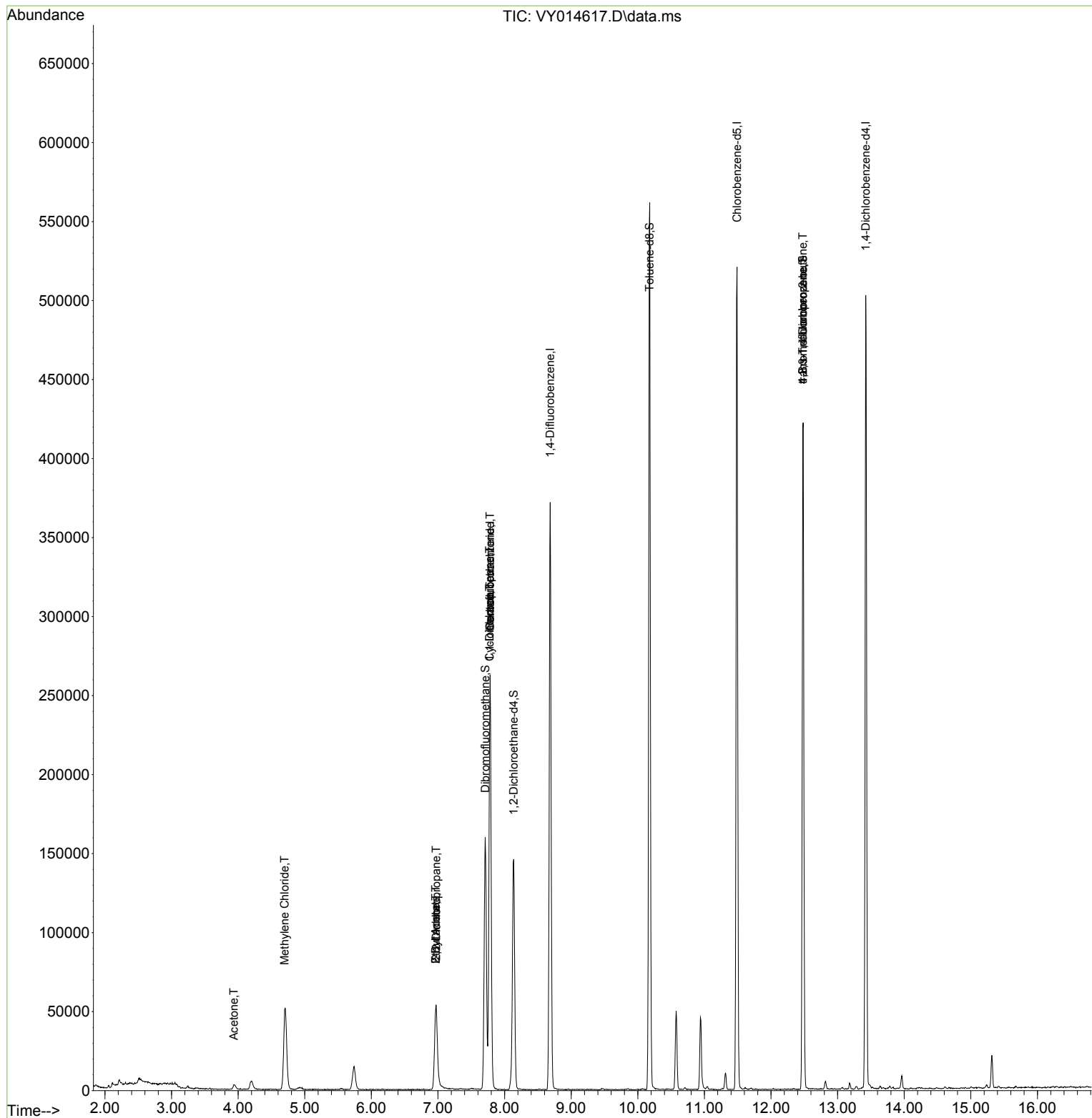
Internal Standards						
1) Pentafluorobenzene	7.783	168	218465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	143360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113974	52.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.880%	
35) Dibromofluoromethane	7.710	113	114589	56.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.640%	
50) Toluene-d8	10.179	98	389343	48.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	12.477	95	121512	43.897	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	164	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	1021	Below Cal	#	89
16) Acetone	3.936	43	5536	8.157	ug/l #	86
20) Methylene Chloride	4.698	84	42271	13.467	ug/l #	82
25) 2-Butanone	6.966	43	3004	2.989	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	4066	1.194	ug/l #	54
31) Cyclohexane	7.777	56	3961	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	15620	5.058	ug/l #	49
37) Ethyl Acetate	6.966	43	3004	1.418	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18264	5.665	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	58590	34.828	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58590	67.789	ug/l #	11

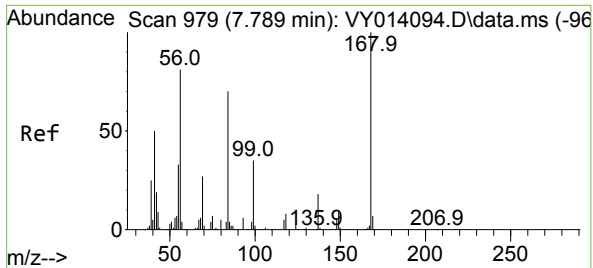
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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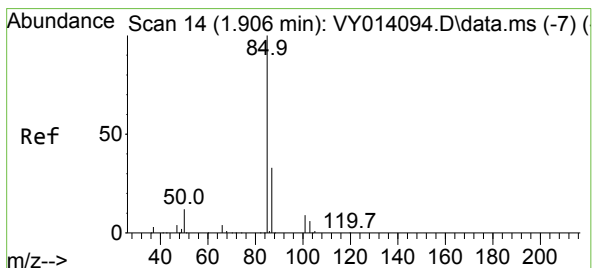
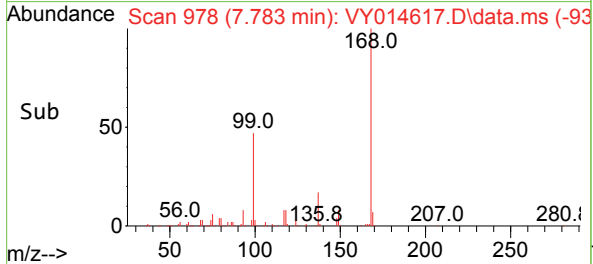
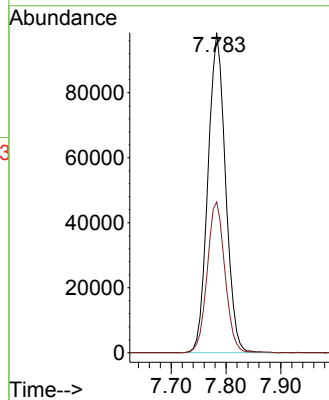
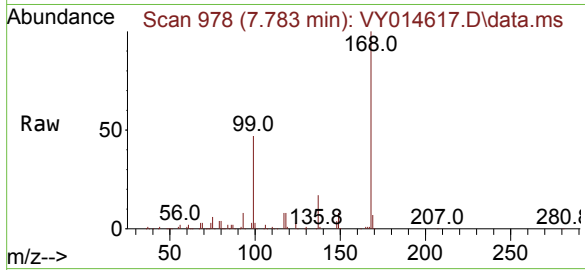




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

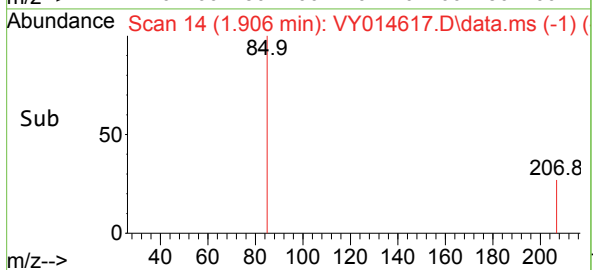
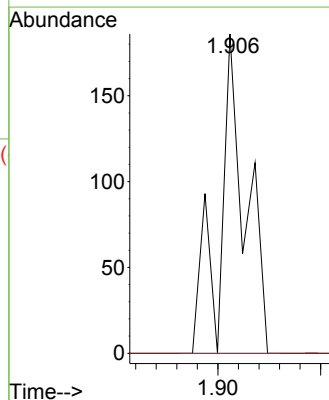
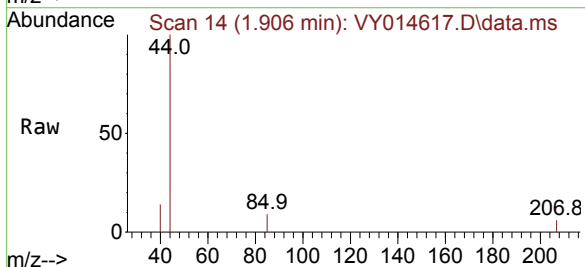
Instrument :
MSVOA_Y
ClientSampleId :

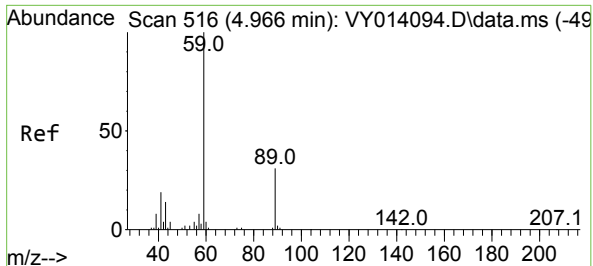
Tgt Ion:168 Resp: 218465
Ion Ratio Lower Upper
168 100
99 47.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 85 Resp: 164
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 50

Delta R.T. -0.042 min

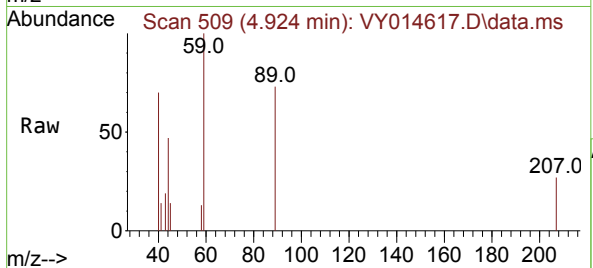
Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

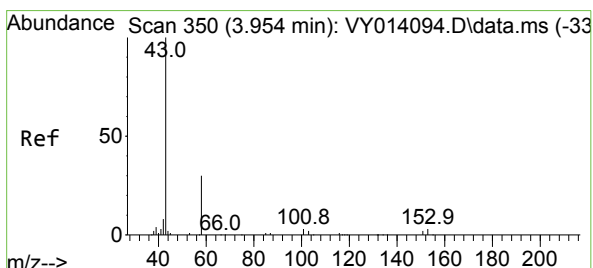
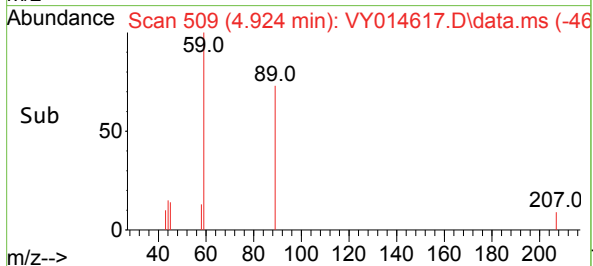
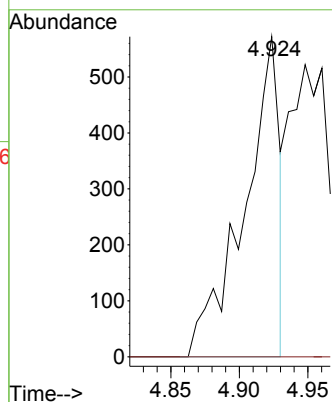


Tgt Ion: 59 Resp: 1021

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 8.157 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.018 min

Lab File: VY014617.D

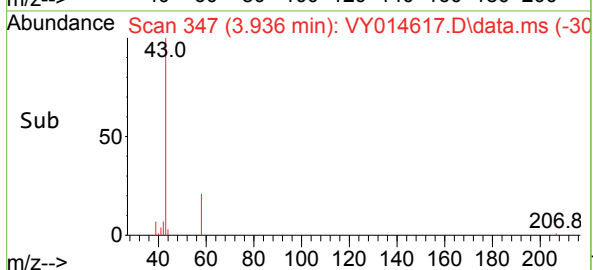
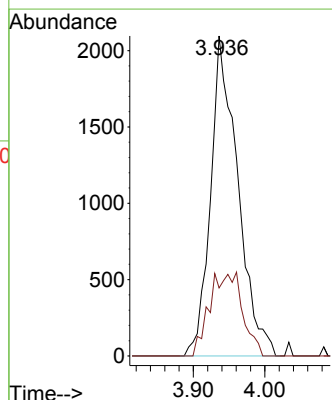
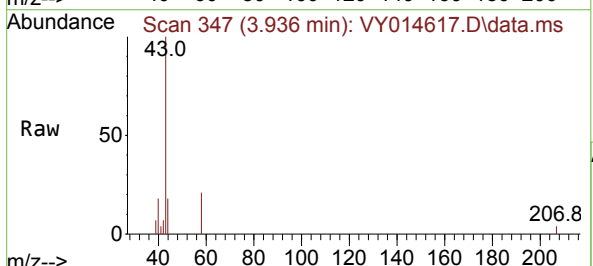
Acq: 10 Jul 2023 15:54

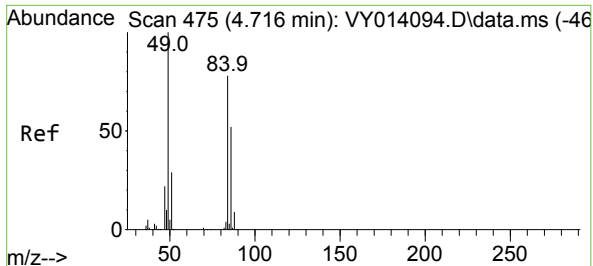
Tgt Ion: 43 Resp: 5536

Ion Ratio Lower Upper

43 100

58 21.2 22.7 34.1#





#20

Methylene Chloride

Concen: 13.467 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.018 min

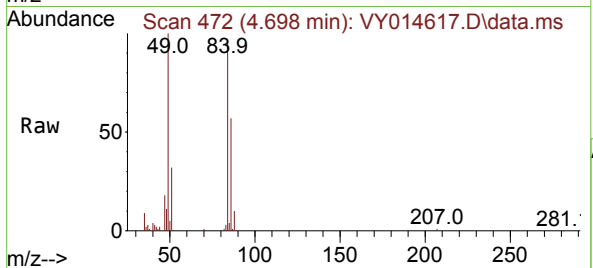
Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 42271

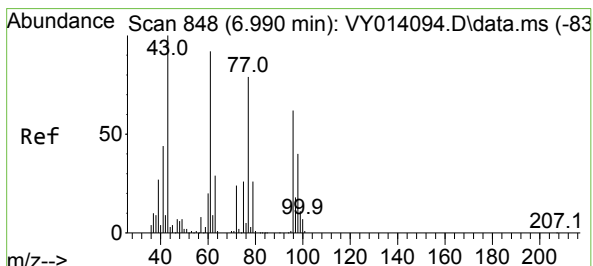
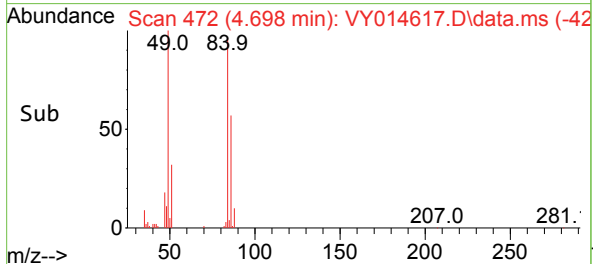
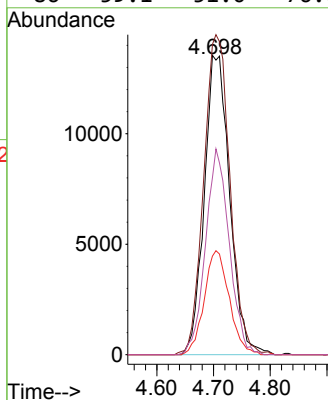
Ion Ratio Lower Upper

84 100

49 103.6 106.9 160.3#

51 32.9 33.2 49.8#

86 59.1 51.0 76.6



#25

2-Butanone

Concen: 2.989 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.024 min

Lab File: VY014617.D

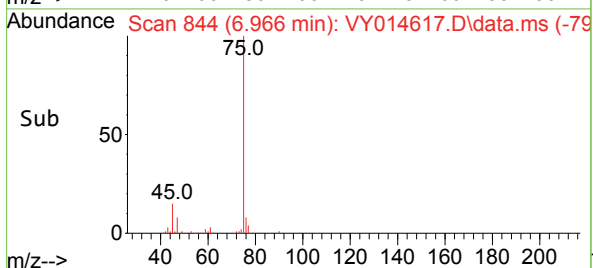
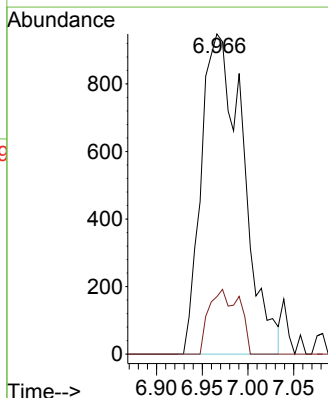
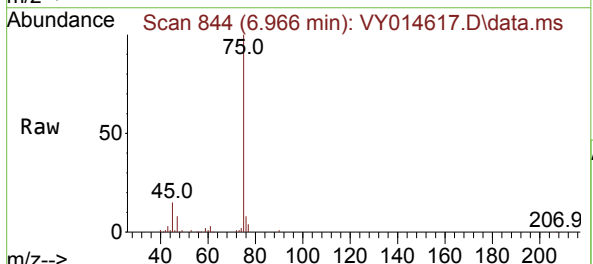
Acq: 10 Jul 2023 15:54

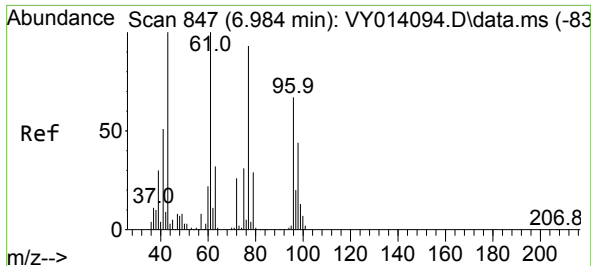
Tgt Ion: 43 Resp: 3004

Ion Ratio Lower Upper

43 100

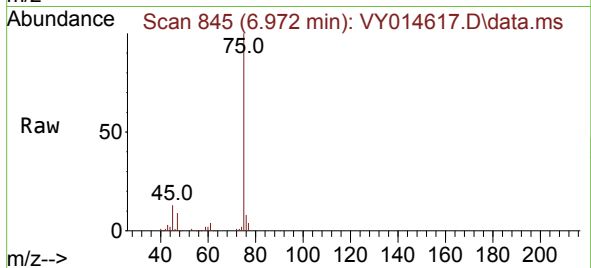
72 17.9 20.5 30.7#



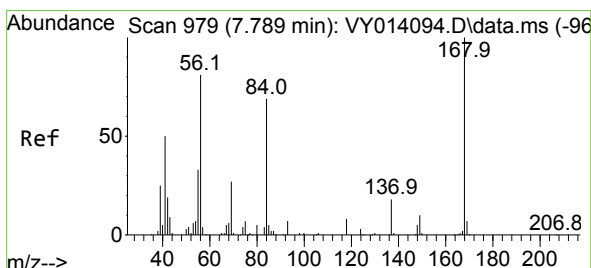
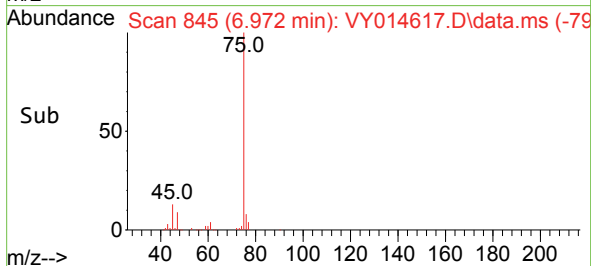
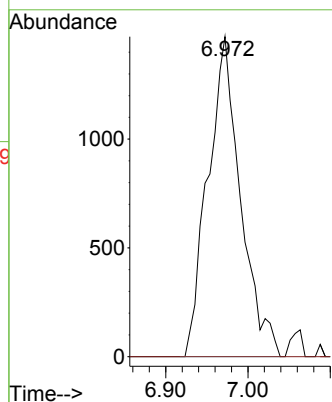


#26
2,2-Dichloropropane
Concen: 1.194 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

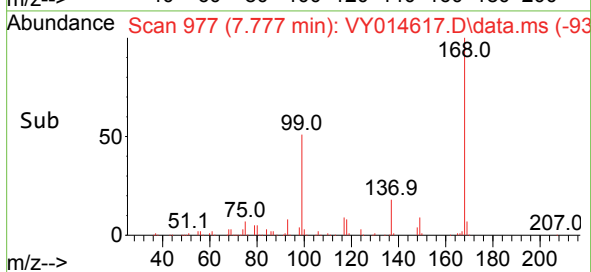
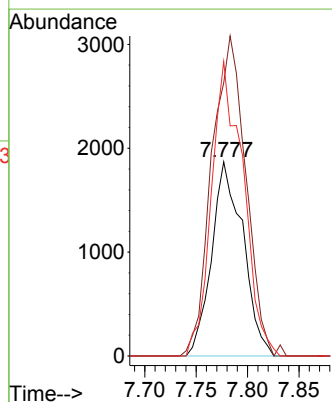
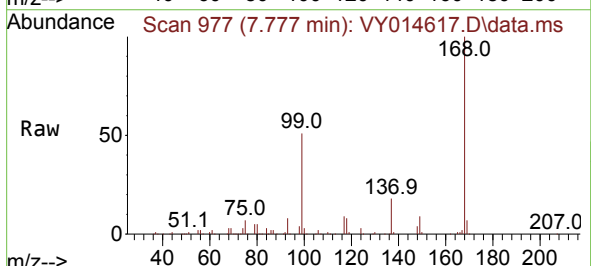


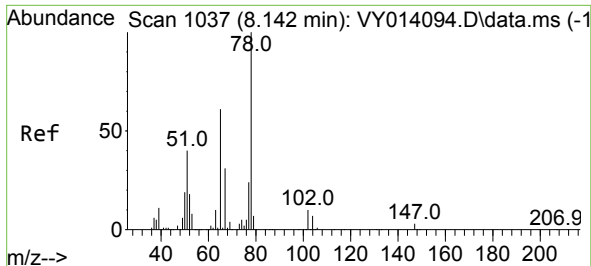
Tgt Ion: 77 Resp: 4066
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 56 Resp: 3961
Ion Ratio Lower Upper
56 100
69 140.7 27.8 41.6#
84 159.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.444 ug/l

RT: 8.136 min Scan# 113974

Delta R.T. -0.005 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

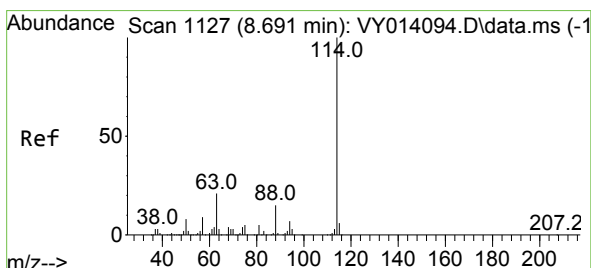
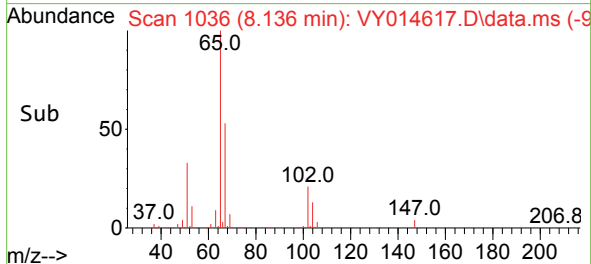
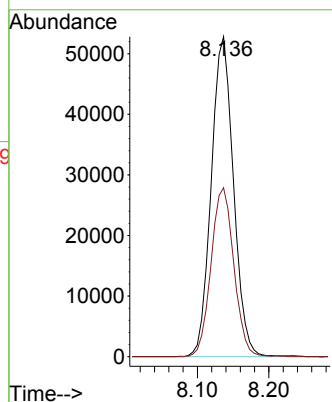
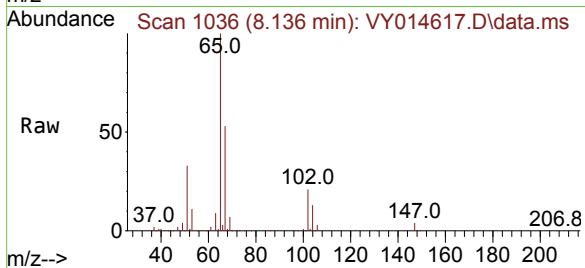
ClientSampleId :

Tgt Ion: 65 Resp: 113974

Ion Ratio Lower Upper

65 100

67 54.2 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: VY014617.D

Acq: 10 Jul 2023 15:54

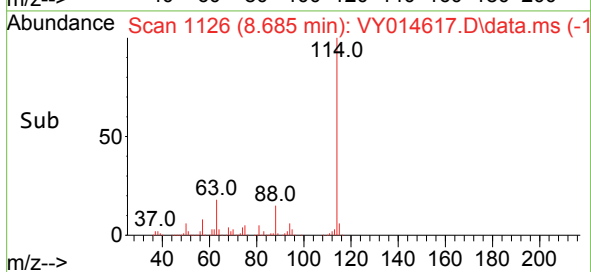
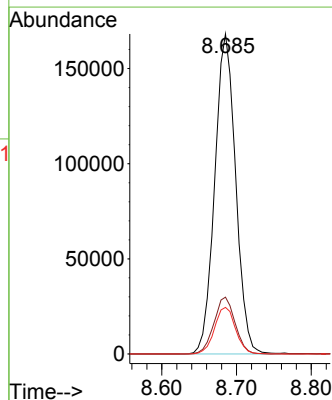
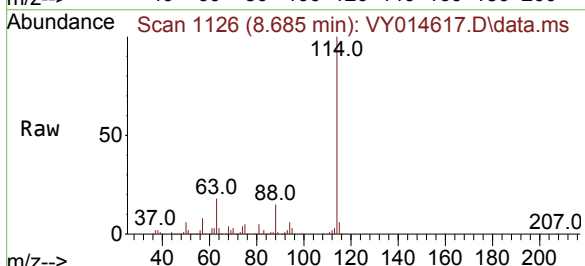
Tgt Ion: 114 Resp: 327465

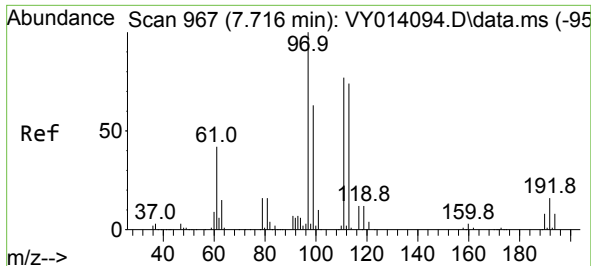
Ion Ratio Lower Upper

114 100

63 17.8 0.0 42.4

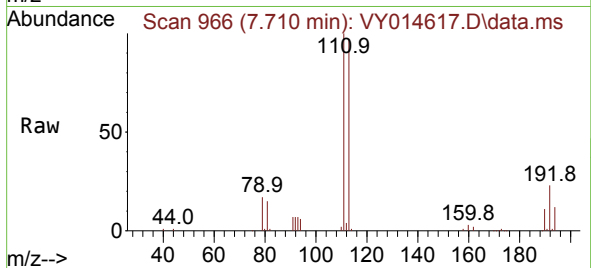
88 14.6 0.0 30.6



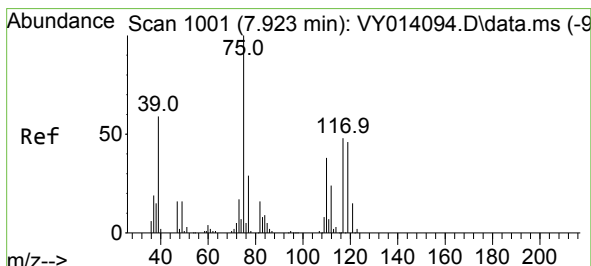
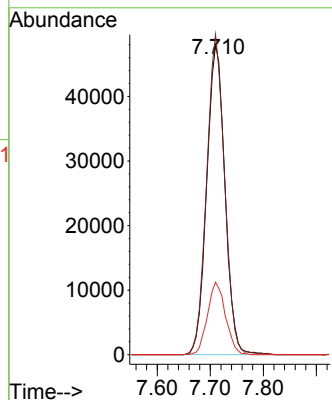
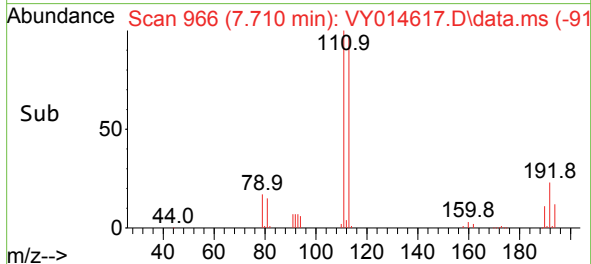


#35
Dibromofluoromethane
Concen: 56.824 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

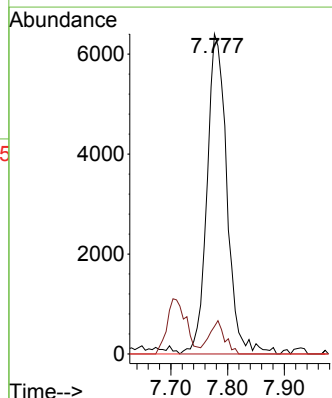
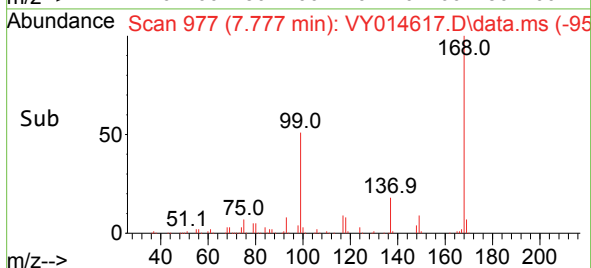
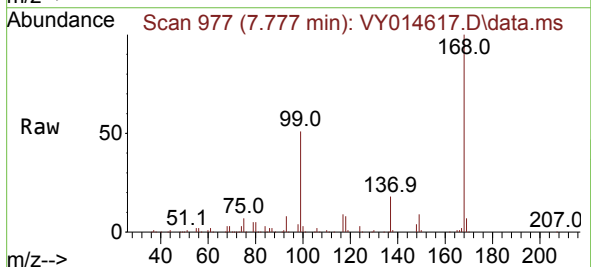


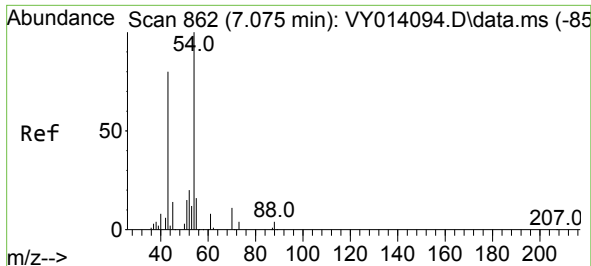
Tgt Ion:113 Resp: 114589
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 23.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 75 Resp: 15620
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.418 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.109 min

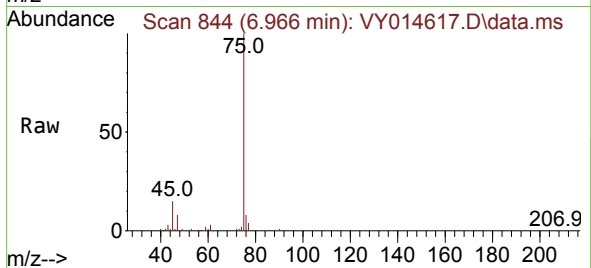
Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

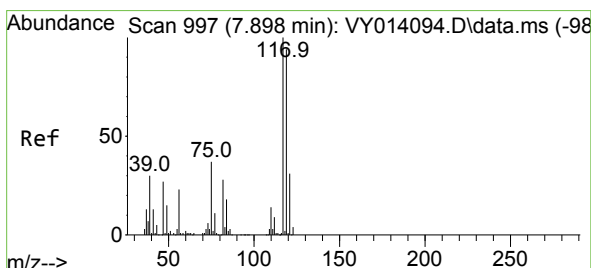
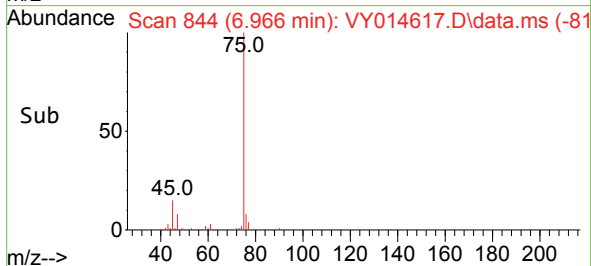
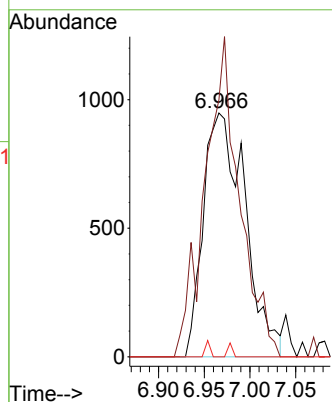
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3004
Ion	Ratio	Lower	Upper
43	100		
61	108.5	10.1	15.1#
70	0.7	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

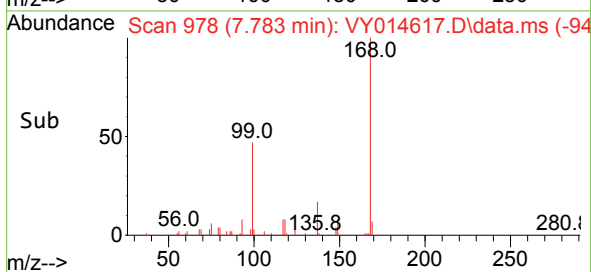
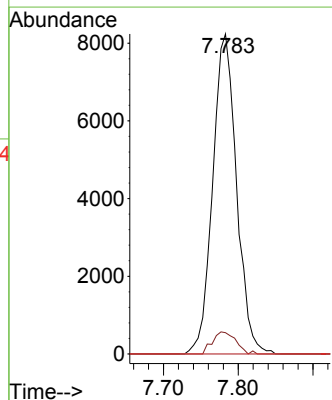
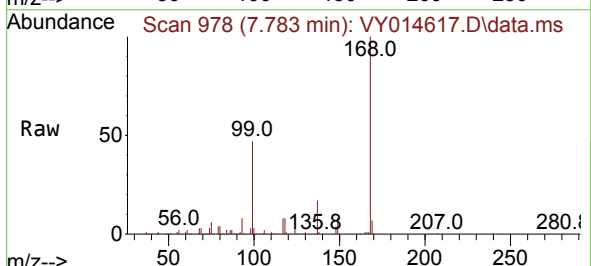
RT: 7.783 min Scan# 978

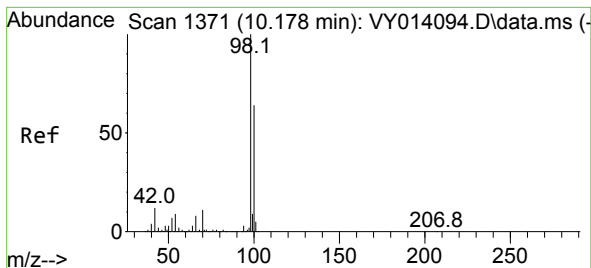
Delta R.T. -0.115 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Tgt Ion:	117	Resp:	18264
Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.4	114.6#
121	0.0	25.8	38.6#

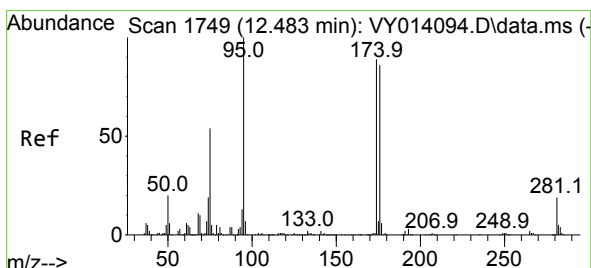
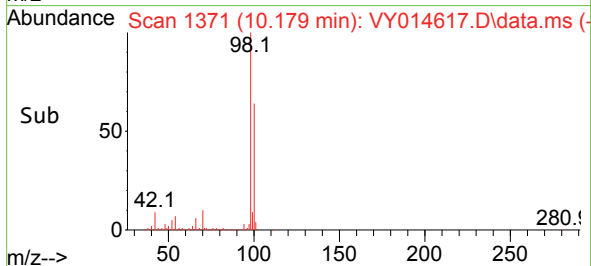
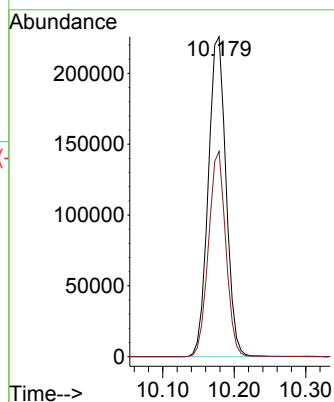
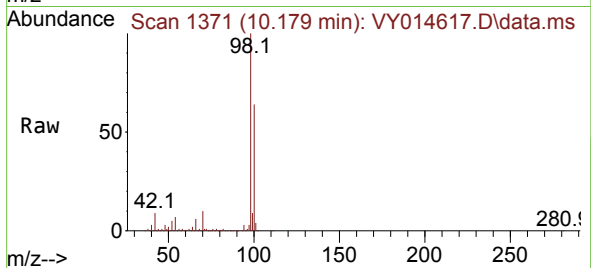




#50
Toluene-d8
Concen: 48.841 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

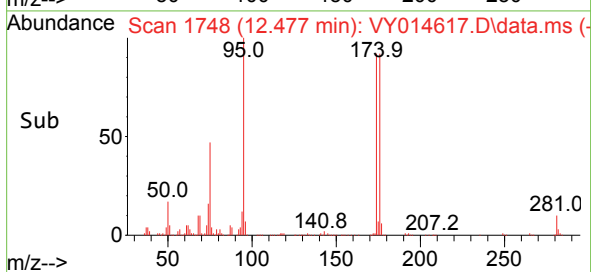
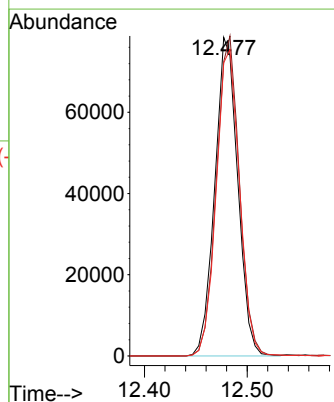
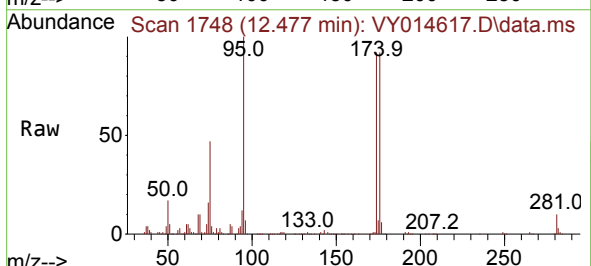
Instrument :
MSVOA_Y
ClientSampleId :

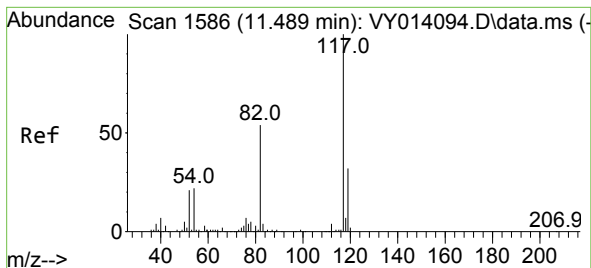
Tgt Ion: 98 Resp: 389343
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.897 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 95 Resp: 121512
Ion Ratio Lower Upper
95 100
174 100.6 0.0 178.2
176 97.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

Instrument :

MSVOA_Y

ClientSampleId :

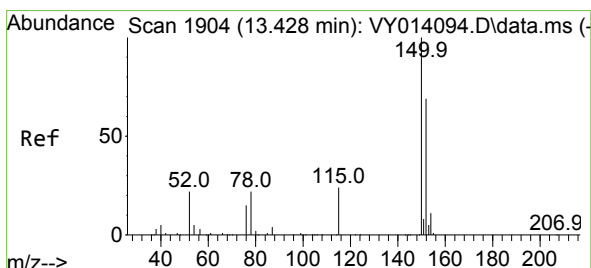
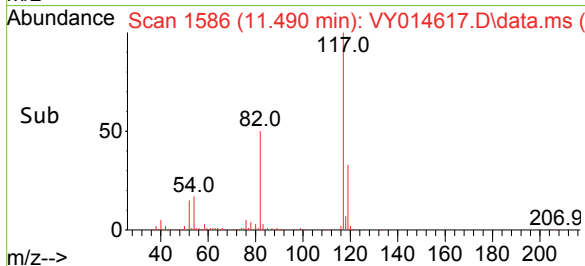
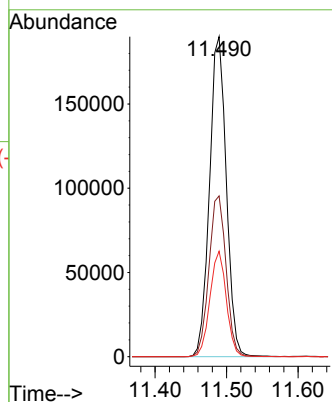
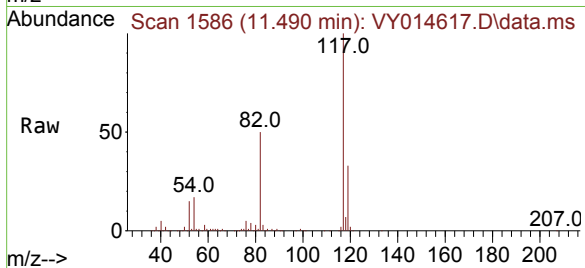
Tgt Ion:117 Resp: 310042

Ion Ratio Lower Upper

117 100

82 50.3 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. -0.006 min

Lab File: VY014617.D

Acq: 10 Jul 2023 15:54

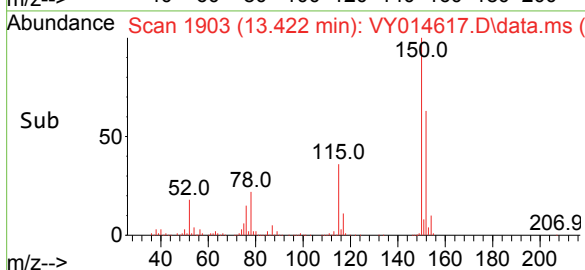
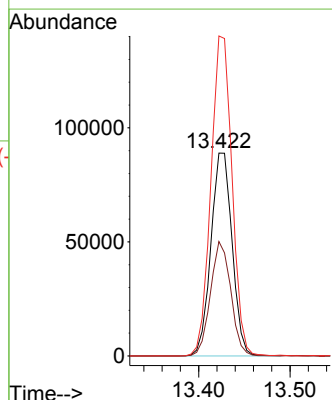
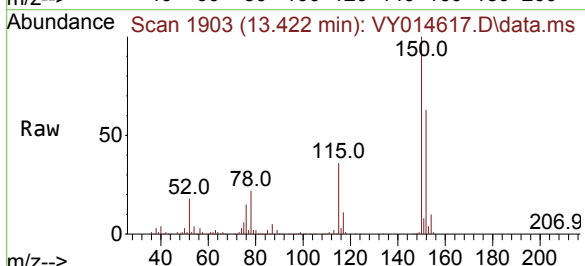
Tgt Ion:152 Resp: 143360

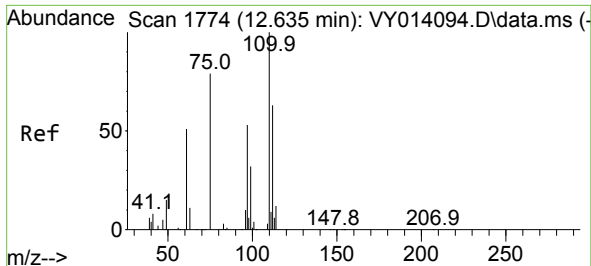
Ion Ratio Lower Upper

152 100

115 53.9 28.8 86.5

150 157.0 0.0 348.8

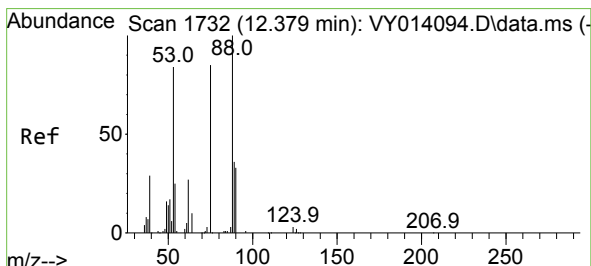
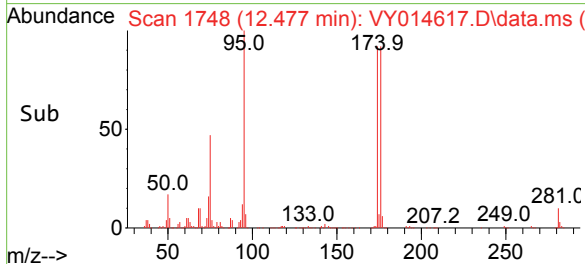
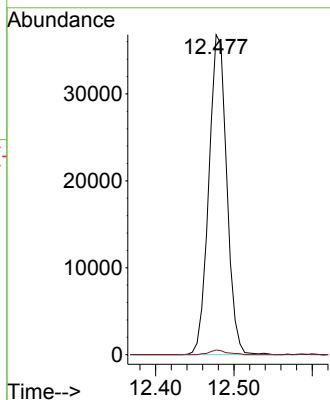
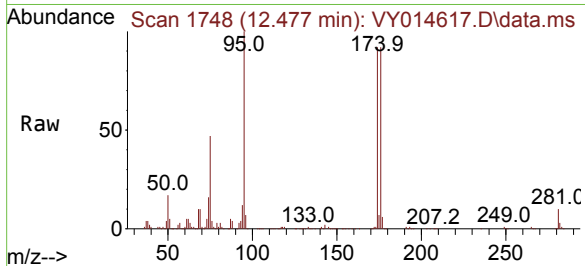




#76
1,2,3-Trichloropropane
Concen: 34.828 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 58590
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.789 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014617.D
Acq: 10 Jul 2023 15:54

Tgt Ion: 75 Resp: 58590
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#

