

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014701.D
 Acq On : 18 Jul 2023 14:56
 Operator : SY/MD
 Sample : 03640-11
 Misc : 5.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP8

Quant Time: Jul 19 04:05:06 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)

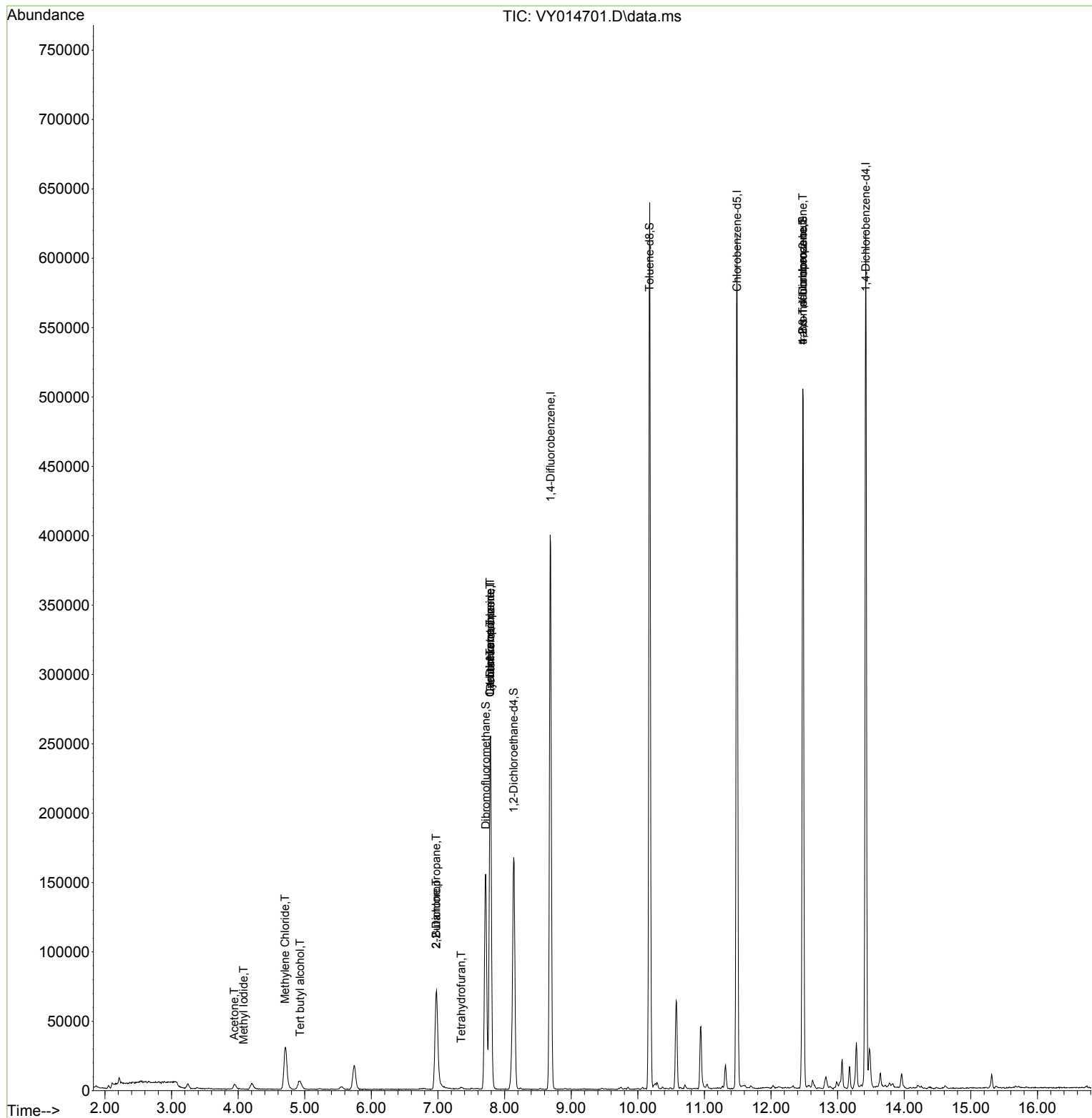
Internal Standards						
1) Pentafluorobenzene	7.789	168	200555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	349310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125432	54.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.760%			
35) Dibromofluoromethane	7.716	113	111313	50.059	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.179	98	415453	50.677	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.477	95	156807	49.884	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.760%			
Target Compounds						Qvalue
10) Methyl Iodide	4.082	142	56	2.393	ug/l #	38
11) Tert butyl alcohol	4.930	59	7078	3.264	ug/l #	92
16) Acetone	3.942	43	6177	8.529	ug/l	98
20) Methylene Chloride	4.704	84	24067	6.561	ug/l	88
25) 2-Butanone	6.972	43	4340	4.096	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	5519	1.420	ug/l #	54
29) Tetrahydrofuran	7.350	42	1233	1.890	ug/l #	86
31) Cyclohexane	7.783	56	4274	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15287	4.597	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19905	5.663	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80797	40.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80797	78.766	ug/l #	11

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

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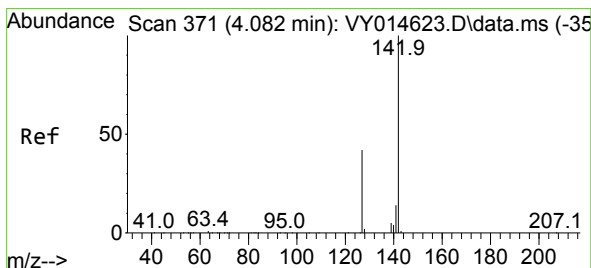
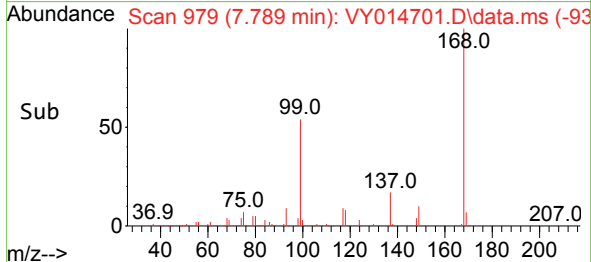
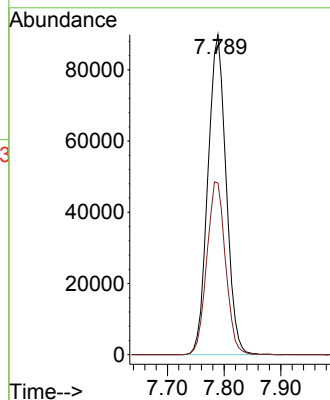
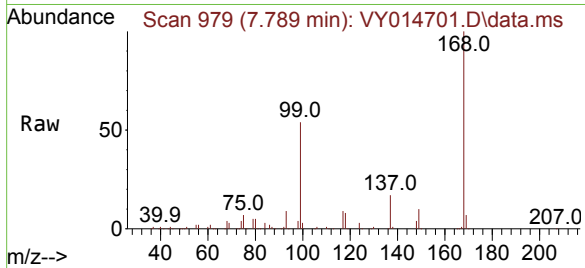




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

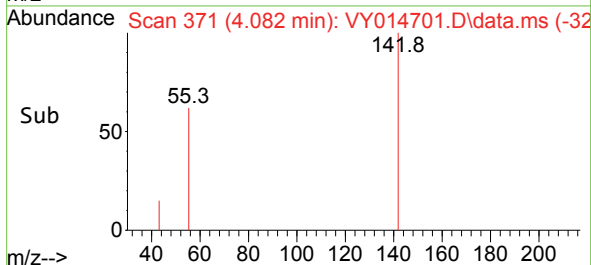
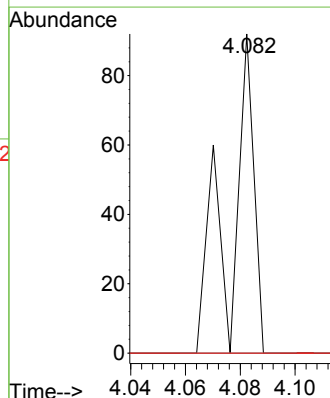
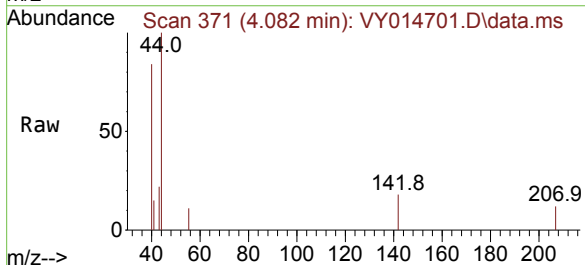
Instrument :
MSVOA_Y
ClientSampleId :
TP8

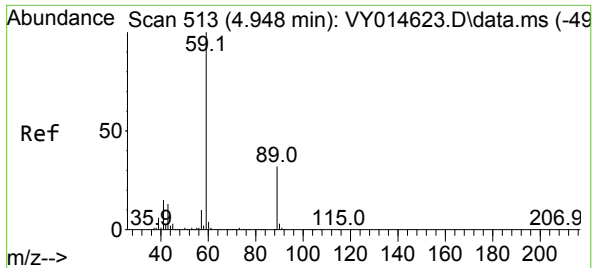
Tgt Ion:168 Resp: 200555
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.393 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

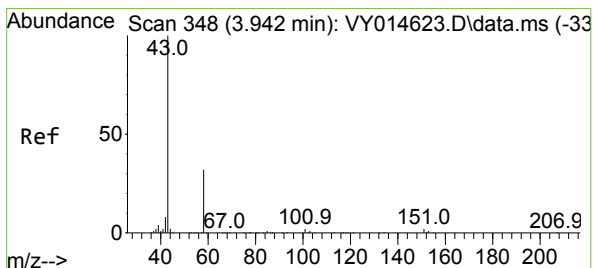
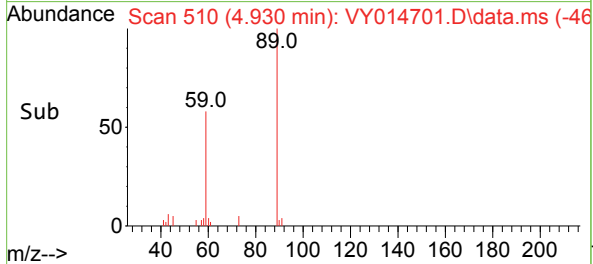
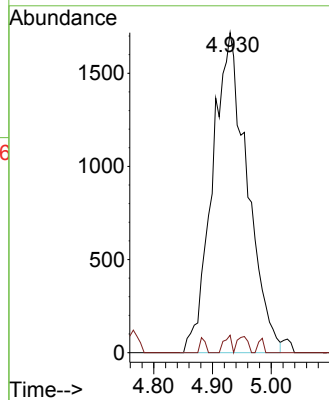
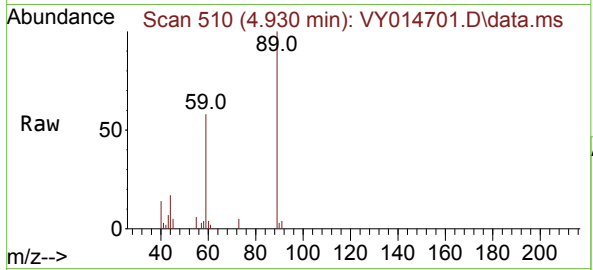




#11
Tert butyl alcohol
Concen: 3.264 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

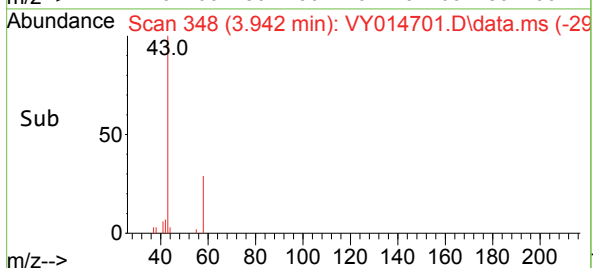
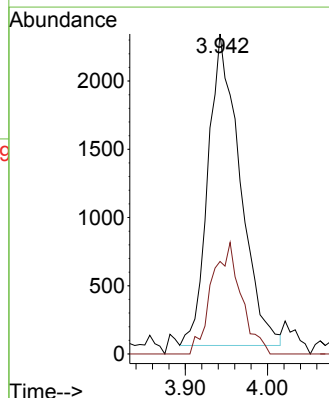
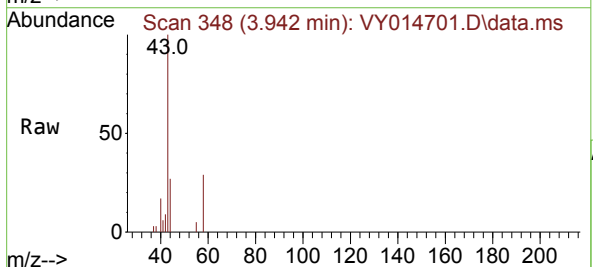
Instrument :
MSVOA_Y
ClientSampleId :
TP8

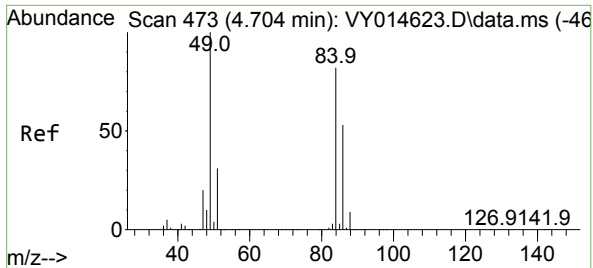
Tgt Ion: 59 Resp: 7078
Ion Ratio Lower Upper
59 100
57 1.1 3.0 4.4#



#16
Acetone
Concen: 8.529 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion: 43 Resp: 6177
Ion Ratio Lower Upper
43 100
58 29.7 22.7 34.1

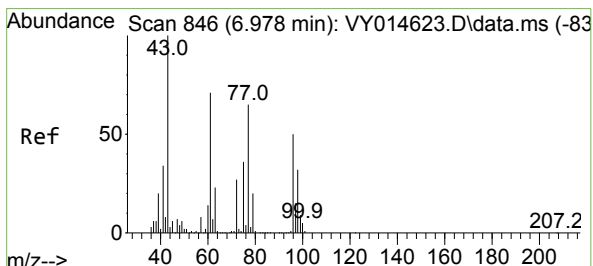
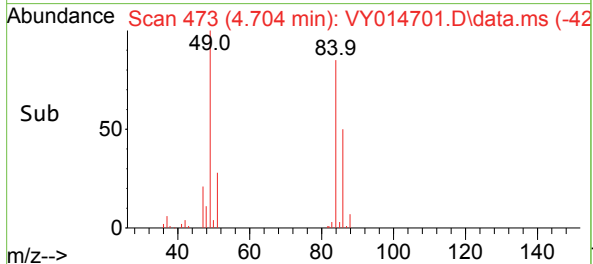
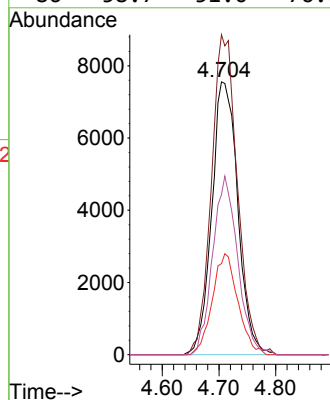
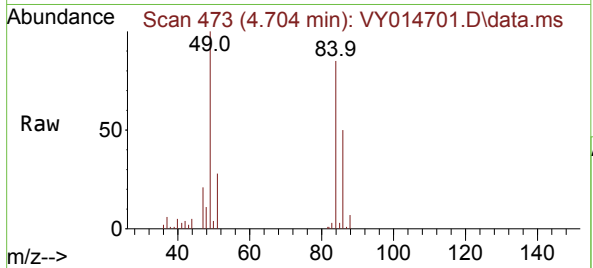




#20
Methylene Chloride
Concen: 6.561 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

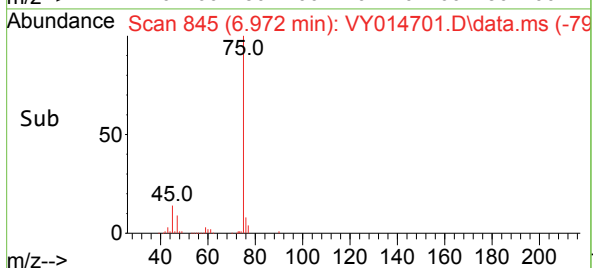
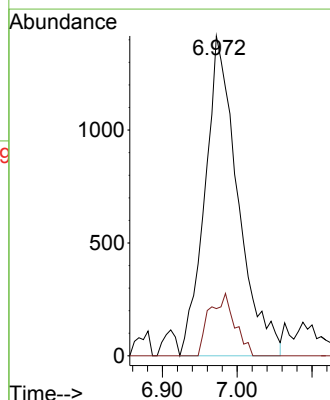
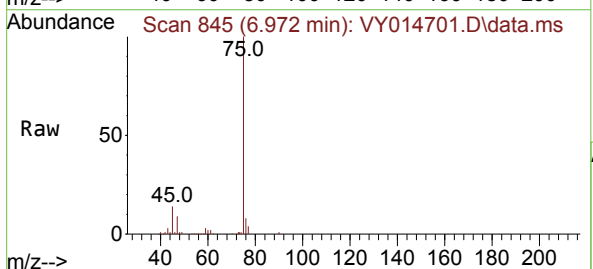
Instrument :
MSVOA_Y
ClientSampleId :
TP8

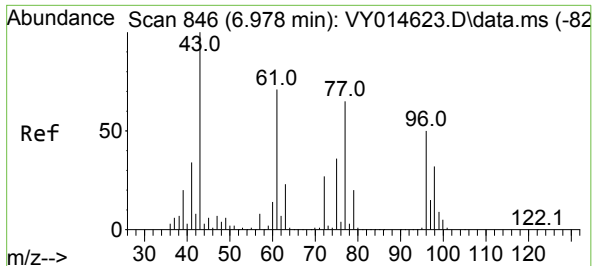
Tgt Ion:	84	Resp:	24067
Ion	Ratio	Lower	Upper
84	100		
49	117.3	106.9	160.3
51	33.4	33.2	49.8
86	58.7	51.0	76.6



#25
2-Butanone
Concen: 4.096 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion:	43	Resp:	4340
Ion	Ratio	Lower	Upper
43	100		
72	14.7	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.420 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014701.D

Acq: 18 Jul 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

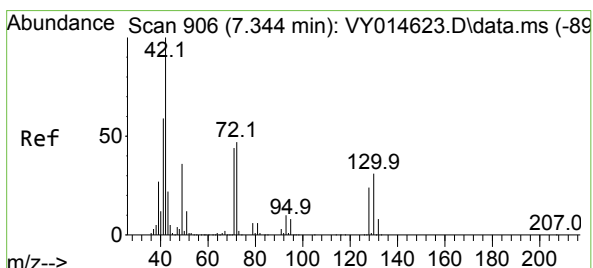
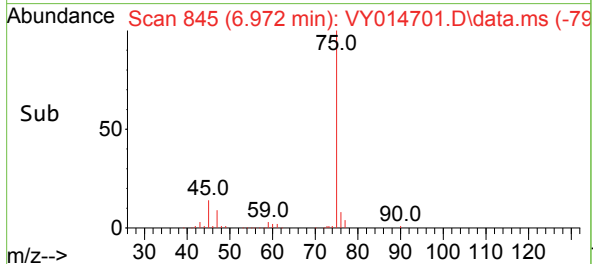
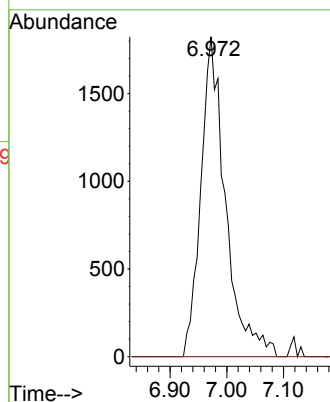
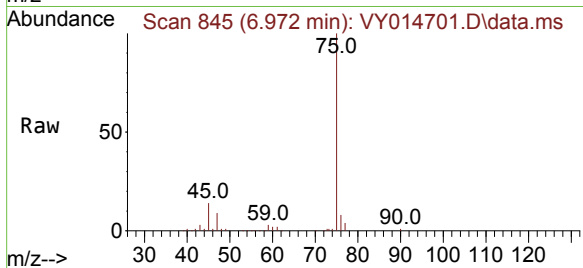
TP8

Tgt Ion: 77 Resp: 5519

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.890 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014701.D

Acq: 18 Jul 2023 14:56

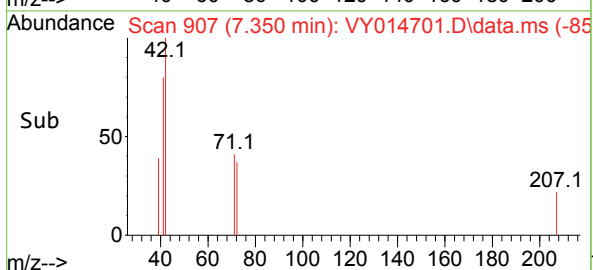
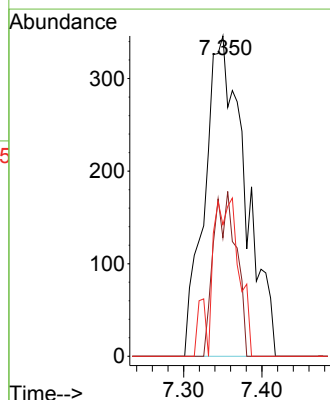
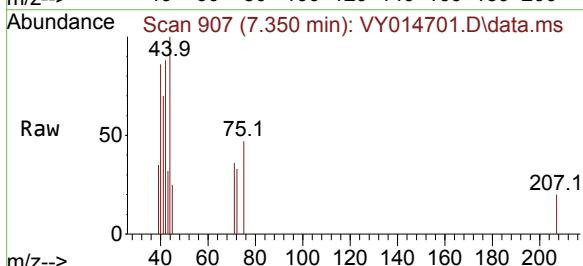
Tgt Ion: 42 Resp: 1233

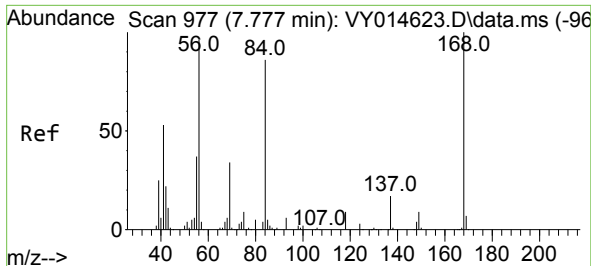
Ion Ratio Lower Upper

42 100

72 28.9 32.8 49.2#

71 33.9 31.0 46.4

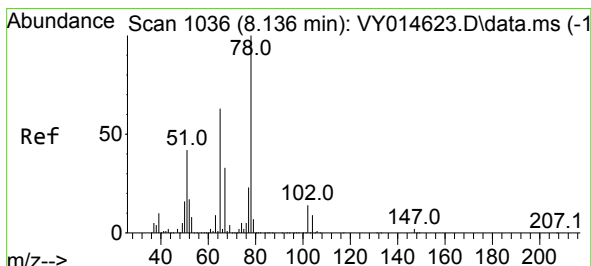
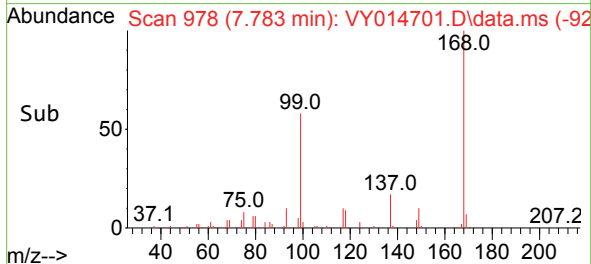
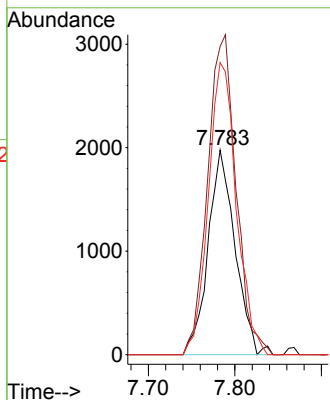
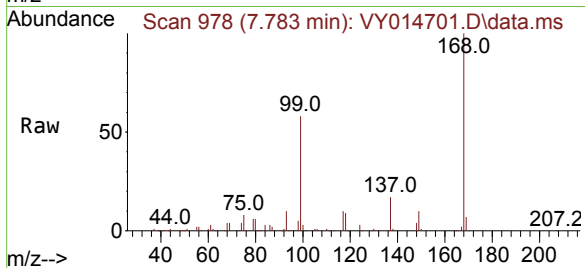




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

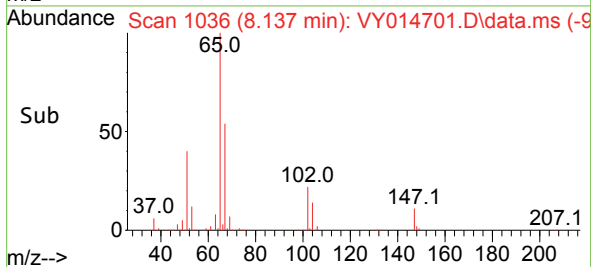
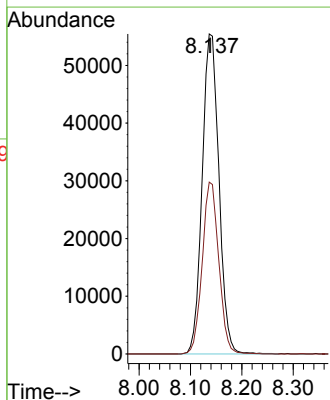
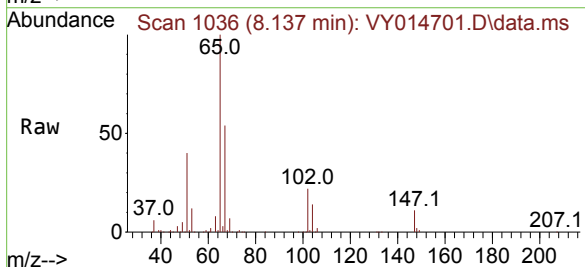
Instrument :
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ClientSampleId :
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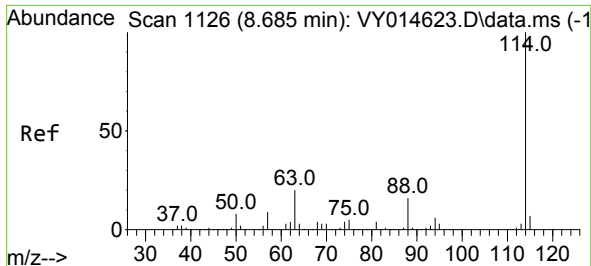
Tgt Ion: 56 Resp: 4274
Ion Ratio Lower Upper
56 100
69 150.6 27.8 41.6#
84 142.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.884 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion: 65 Resp: 125432
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8

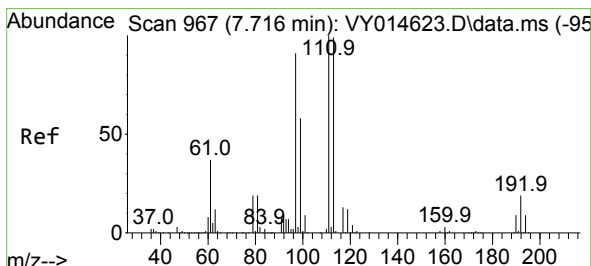
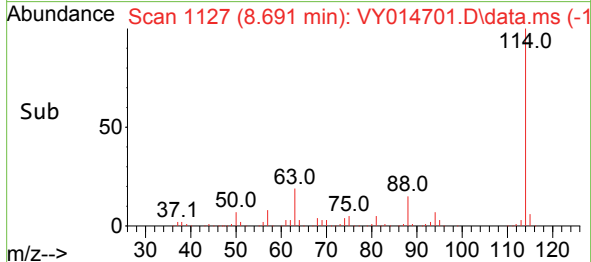
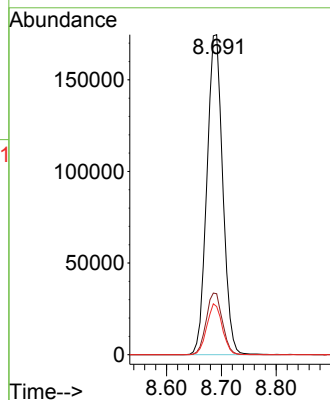
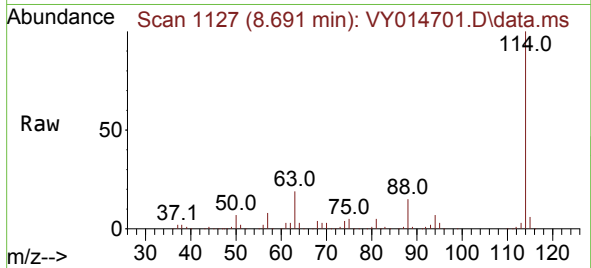




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

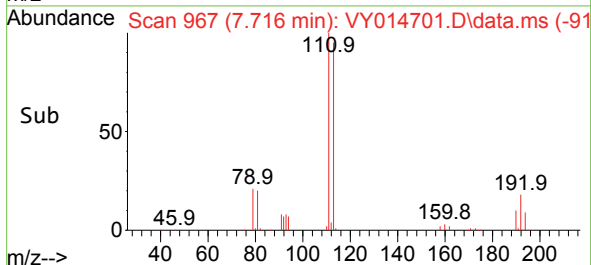
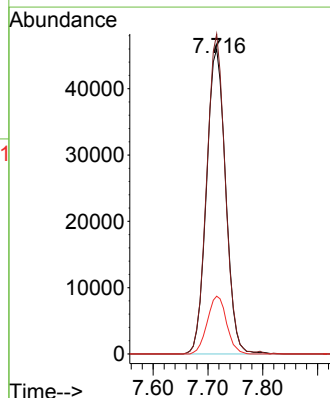
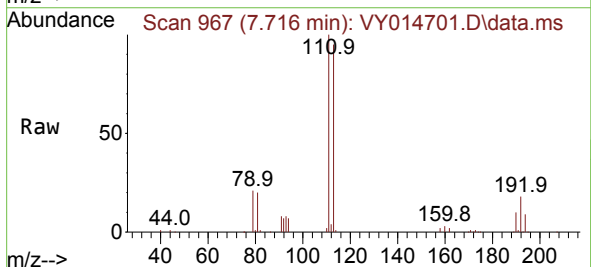
Instrument :
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ClientSampleId :
TP8

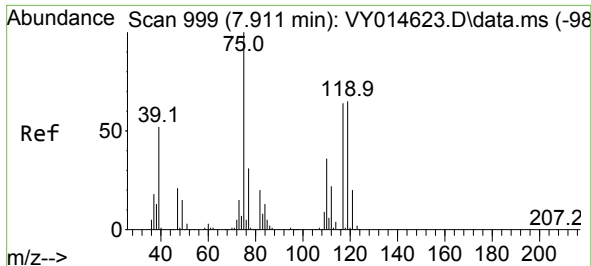
Tgt Ion:114 Resp: 349310
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.059 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion:113 Resp: 111313
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.1 16.9 25.3

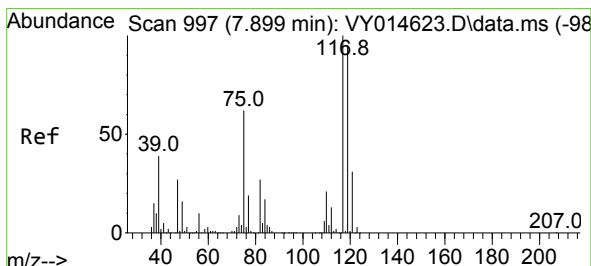
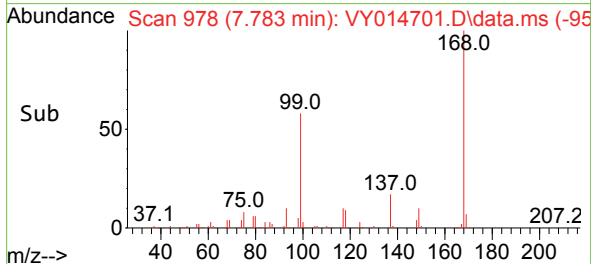
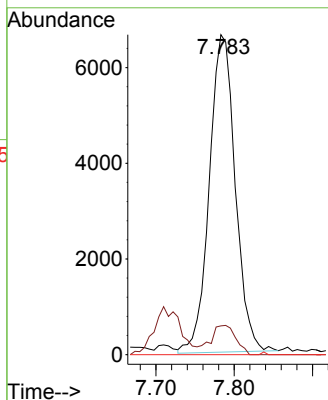
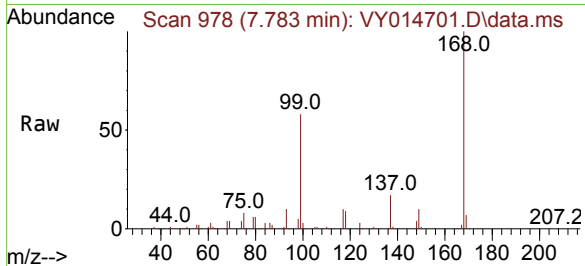




#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

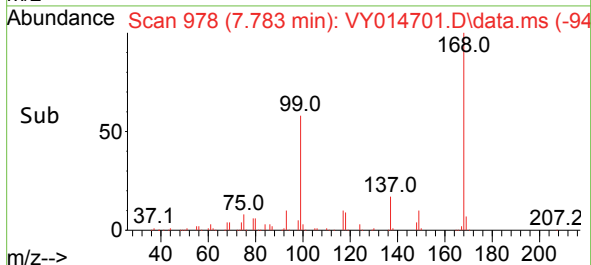
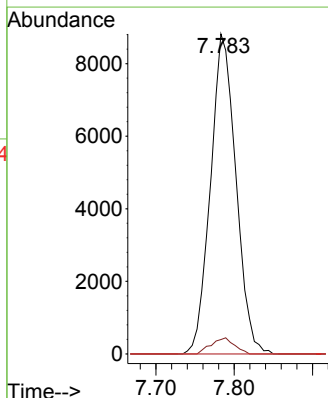
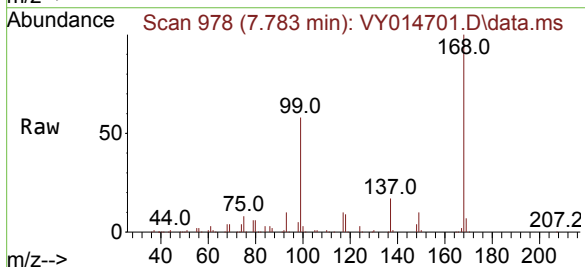
Instrument :
MSVOA_Y
ClientSampleId :
TP8

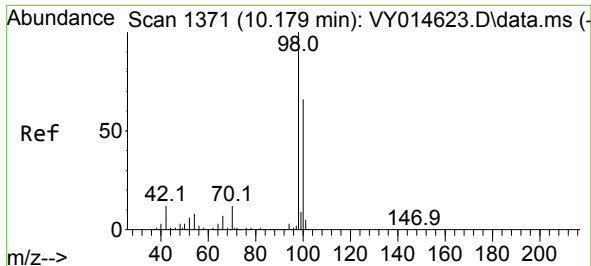
Tgt Ion: 75 Resp: 15287
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion: 117 Resp: 19905
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#

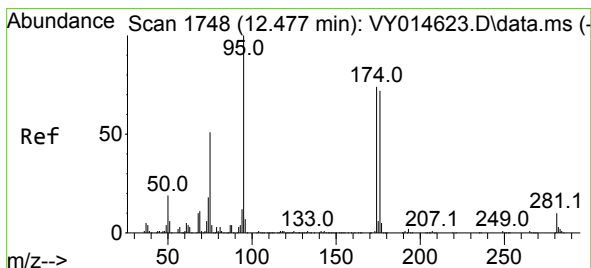
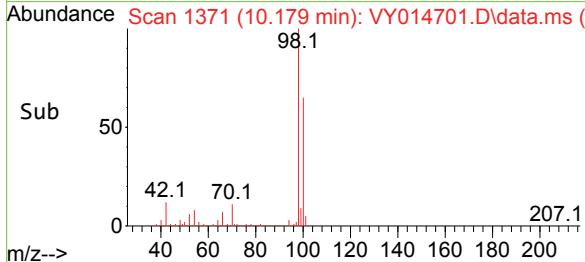
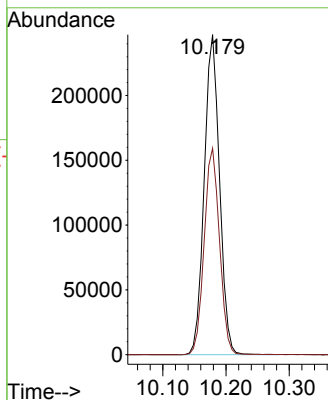
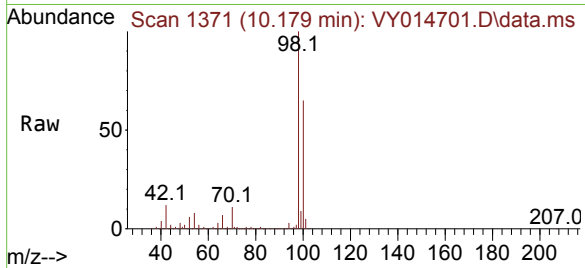




#50
Toluene-d8
Concen: 50.677 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

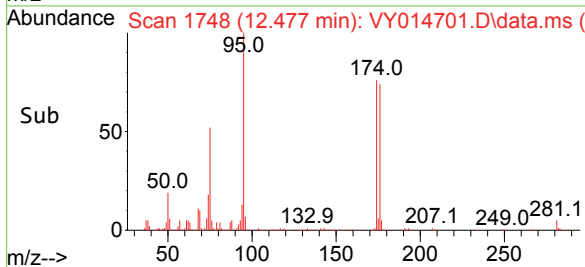
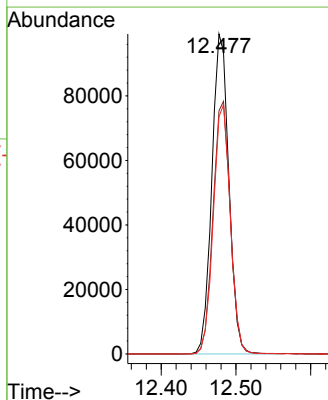
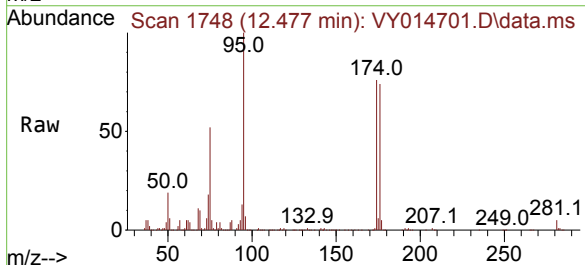
Instrument :
MSVOA_Y
ClientSampleId :
TP8

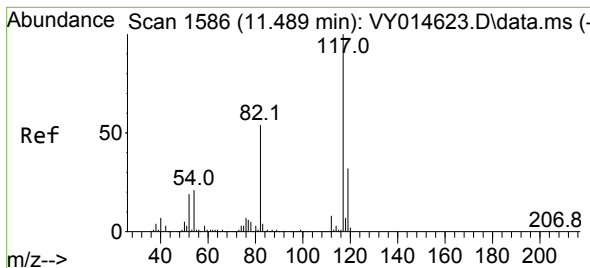
Tgt Ion: 98 Resp: 415453
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.884 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion: 95 Resp: 156807
Ion Ratio Lower Upper
95 100
174 79.9 0.0 178.2
176 77.8 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: VY014701.D

Acq: 18 Jul 2023 14:56

Instrument :

MSVOA_Y

ClientSampleId :

TP8

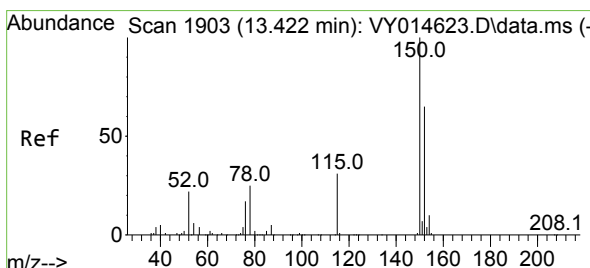
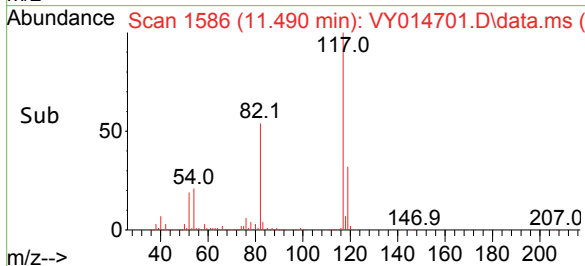
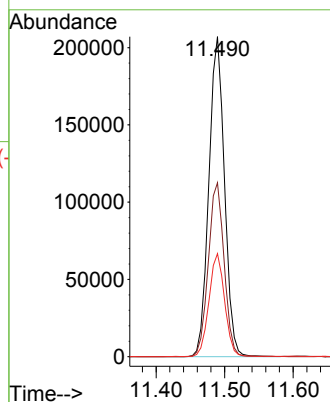
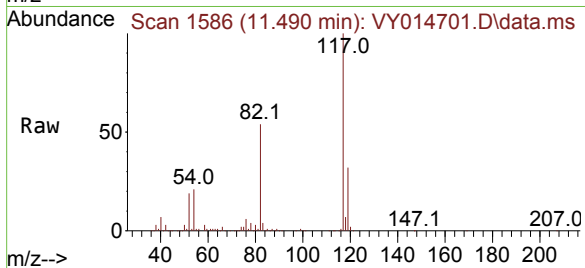
Tgt Ion:117 Resp: 328957

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.1 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: VY014701.D

Acq: 18 Jul 2023 14:56

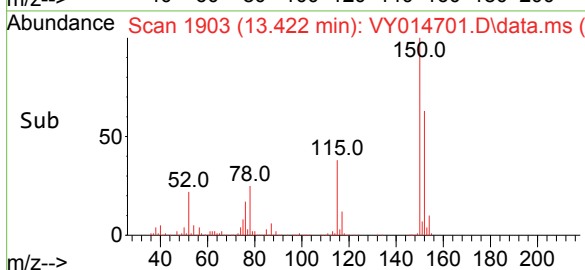
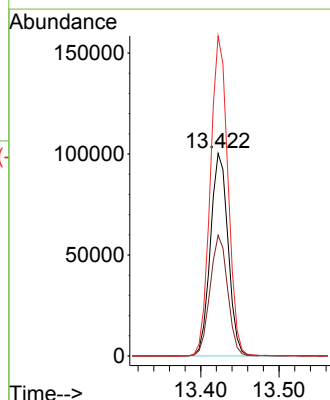
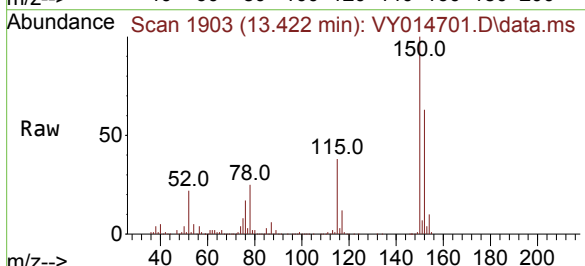
Tgt Ion:152 Resp: 157256

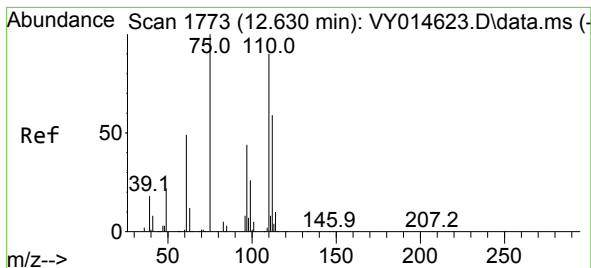
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 157.0 0.0 348.8

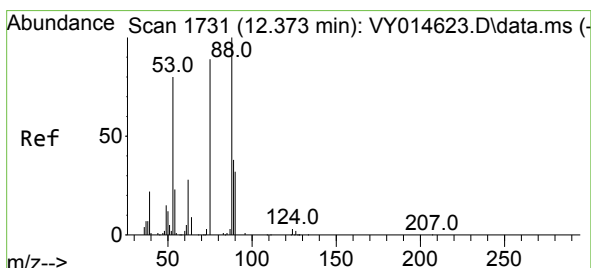
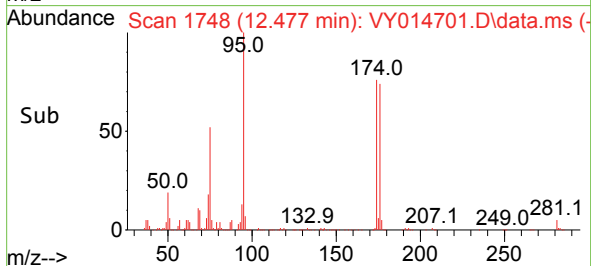
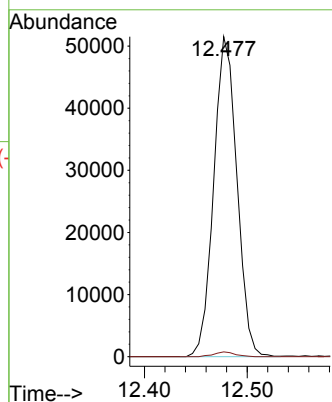
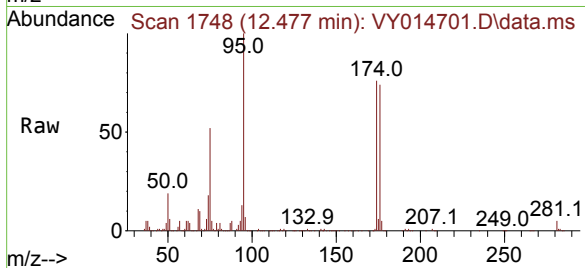




#76
1,2,3-Trichloropropane
Concen: 40.681 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Instrument :
MSVOA_Y
ClientSampleId :
TP8

Tgt Ion: 75 Resp: 80797
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.766 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014701.D
Acq: 18 Jul 2023 14:56

Tgt Ion: 75 Resp: 80797
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

