

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014831.D
 Acq On : 26 Jul 2023 03:32
 Operator : SY/MD
 Sample : 03741-12
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P6A

Quant Time: Jul 26 04:26:31 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)

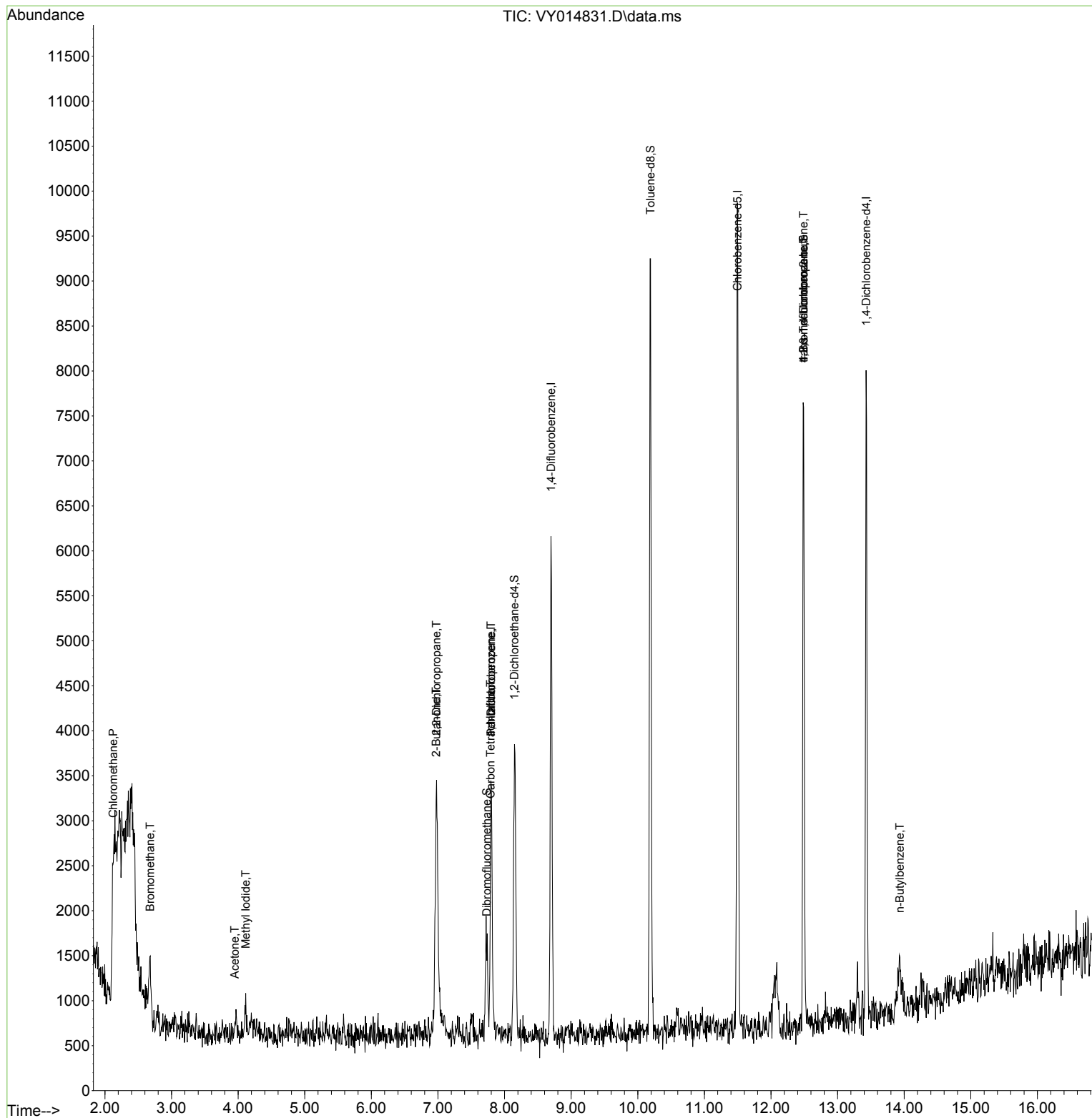
Internal Standards						
1) Pentafluorobenzene	7.795	168	2592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	5007	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	5753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2897	98.081	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 196.160%#	
35) Dibromofluoromethane	7.734	113	1148	36.018	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 72.040%	
50) Toluene-d8	10.191	98	6420	54.634	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.260%	
62) 4-Bromofluorobenzene	12.489	95	2216	49.181	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	290	12.217	ug/l	90
5) Bromomethane	2.680	94	407	23.214	ug/l	97
10) Methyl Iodide	4.113	142	346	13.754	ug/l #	78
16) Acetone	3.948	43	106	11.325	ug/l #	46
25) 2-Butanone	6.972	43	51	3.724	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	161	3.204	ug/l #	54
36) 1,1-Dichloropropene	7.795	75	178	3.734	ug/l #	41
38) Carbon Tetrachloride	7.789	117	223	4.426	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	1290	50.665	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1290	98.096	ug/l #	10
89) n-Butylbenzene	13.934	91	330	2.422	ug/l #	35

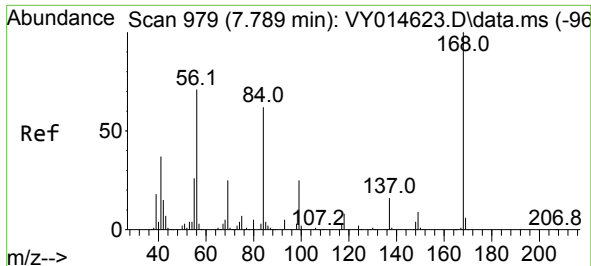
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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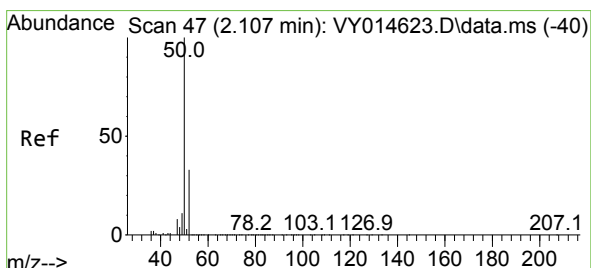
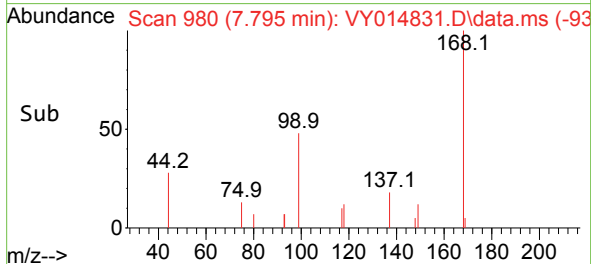
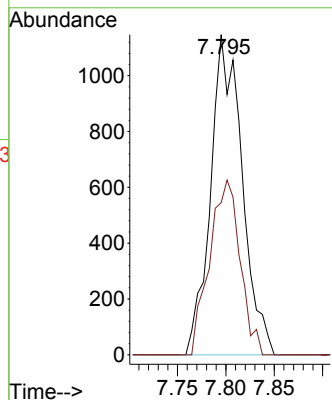
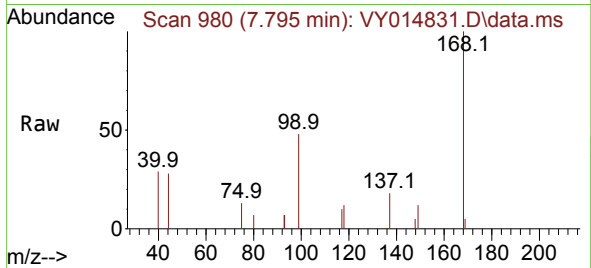




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

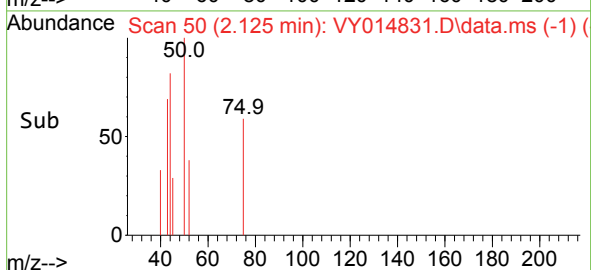
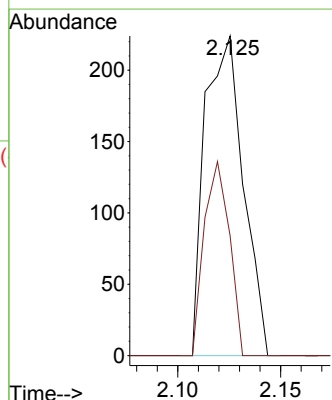
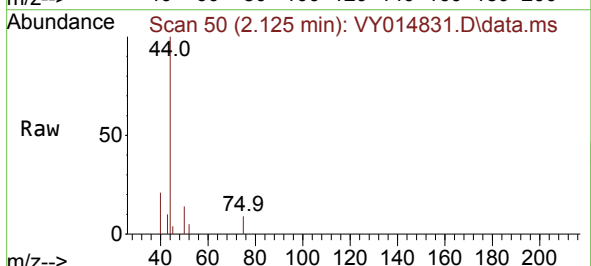
Instrument :
MSVOA_Y
ClientSampleId :
B-P6A

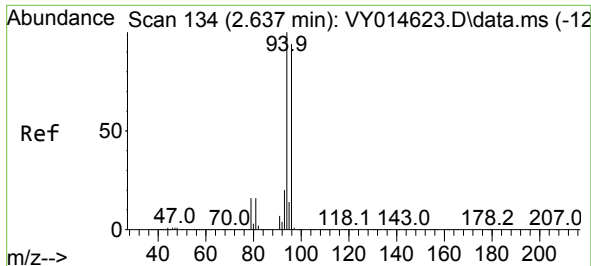
Tgt Ion:168 Resp: 2592
Ion Ratio Lower Upper
168 100
99 47.5 43.4 65.0



#3
Chloromethane
Concen: 12.217 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 37.5 25.4 38.2

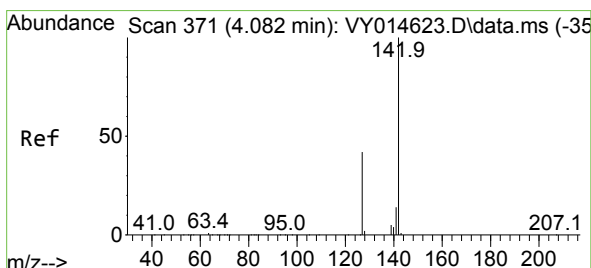
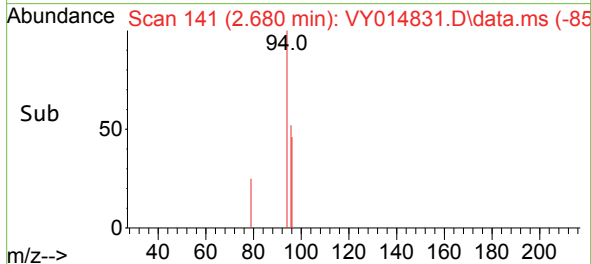
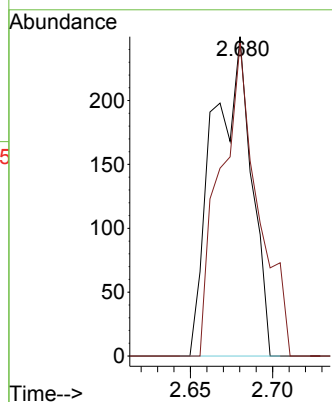
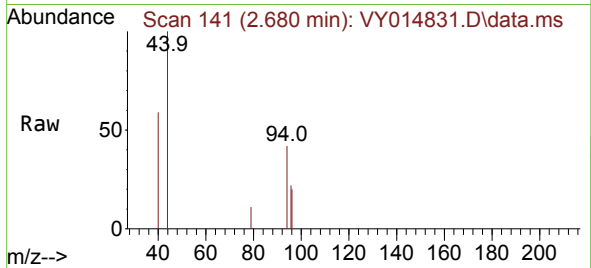




#5
Bromomethane
Concen: 23.214 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.043 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

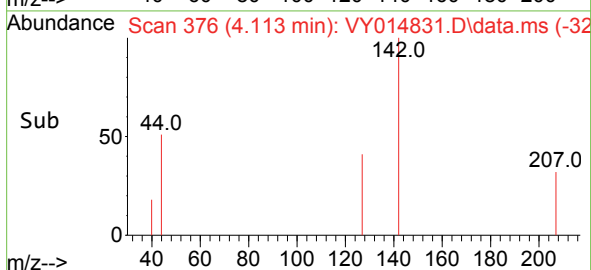
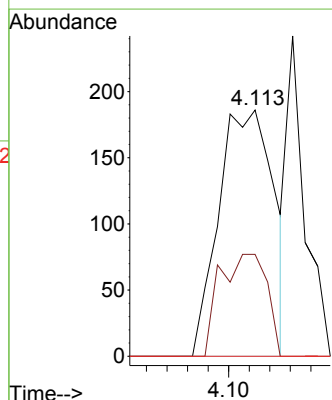
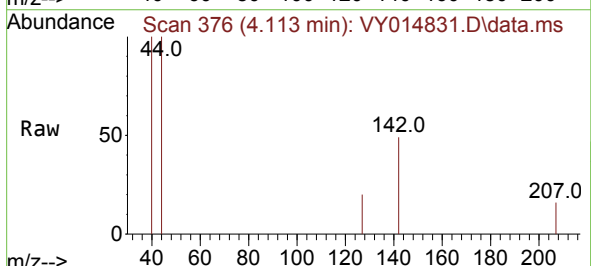
Instrument :
MSVOA_Y
ClientSampleId :
B-P6A

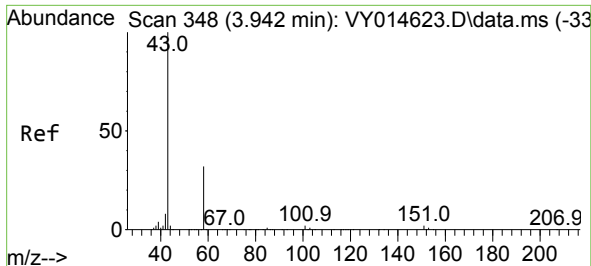
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 98.0 75.8 113.6



#10
Methyl Iodide
Concen: 13.754 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.031 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

Tgt Ion:142 Resp: 346
Ion Ratio Lower Upper
142 100
127 35.5 37.6 56.4#
141 0.0 11.8 17.8#

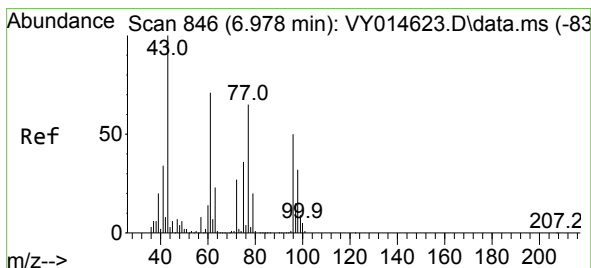
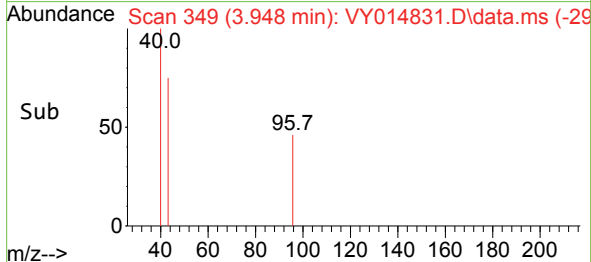
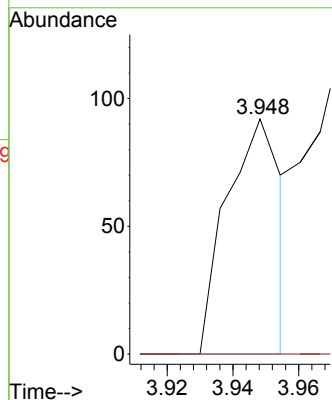
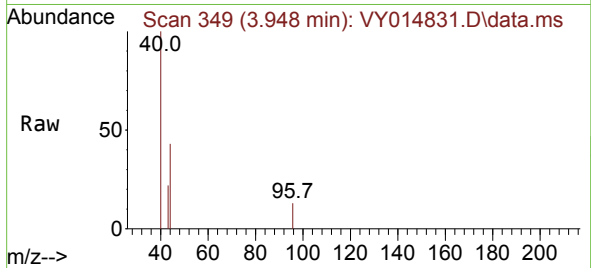




#16
Acetone
Concen: 11.325 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

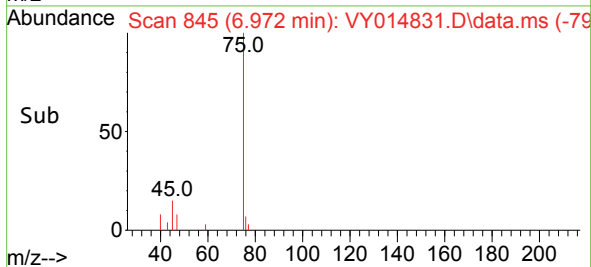
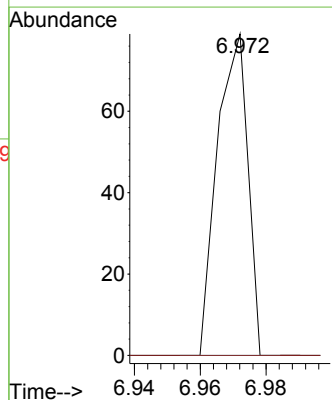
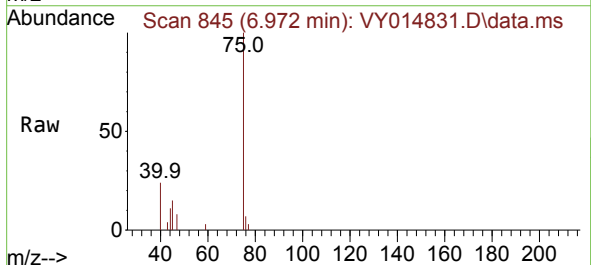
Instrument :
MSVOA_Y
ClientSampleId :
B-P6A

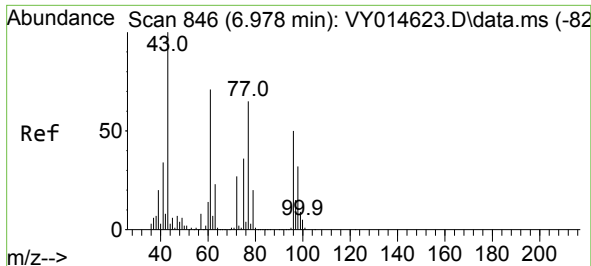
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#25
2-Butanone
Concen: 3.724 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

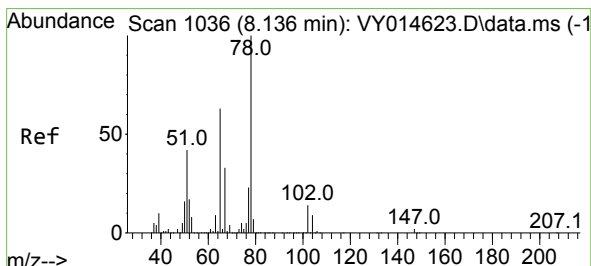
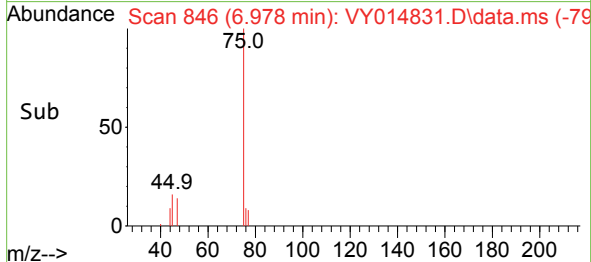
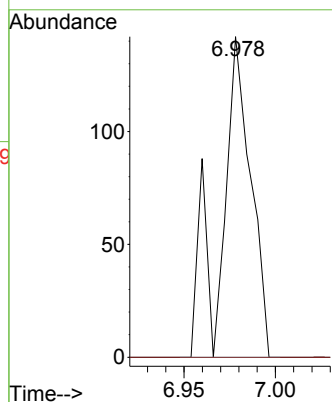
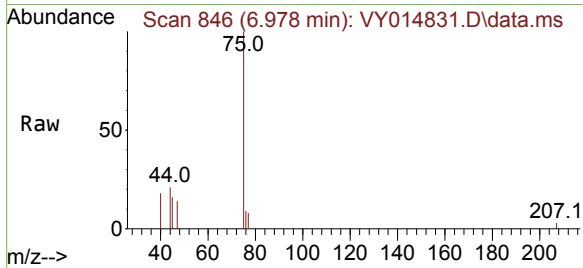




#26
2,2-Dichloropropane
Concen: 3.204 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

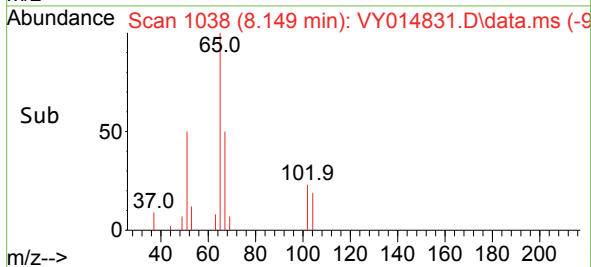
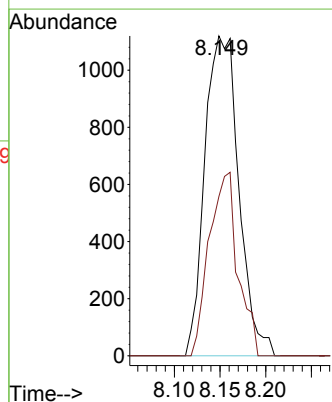
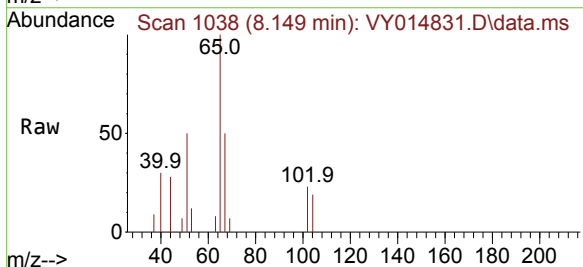
Instrument :
MSVOA_Y
ClientSampleId :
B-P6A

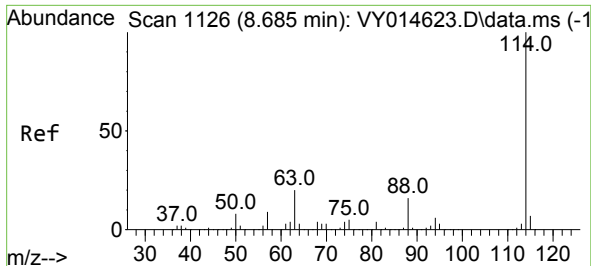
Tgt Ion: 77 Resp: 161
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 98.081 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

Tgt Ion: 65 Resp: 2897
Ion Ratio Lower Upper
65 100
67 48.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY014831.D

Acq: 26 Jul 2023 03:32

Instrument :

MSVOA_Y

ClientSampleId :

B-P6A

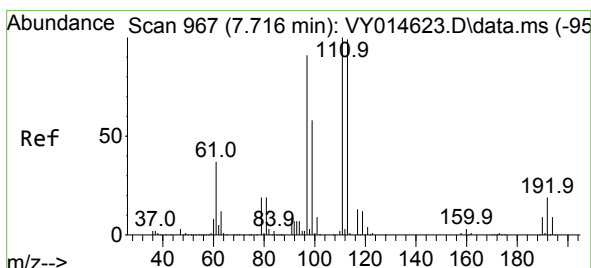
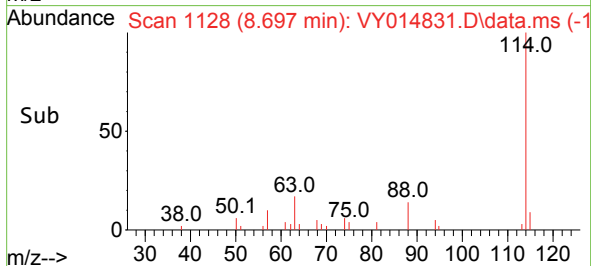
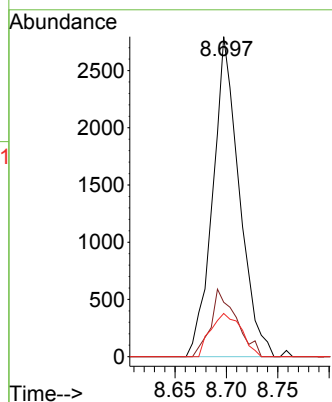
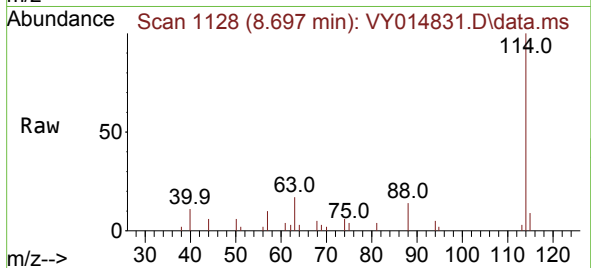
Tgt Ion:114 Resp: 5007

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 13.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 36.018 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014831.D

Acq: 26 Jul 2023 03:32

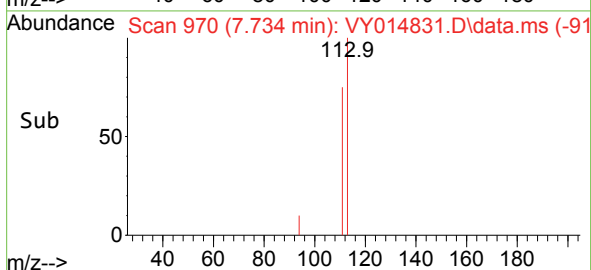
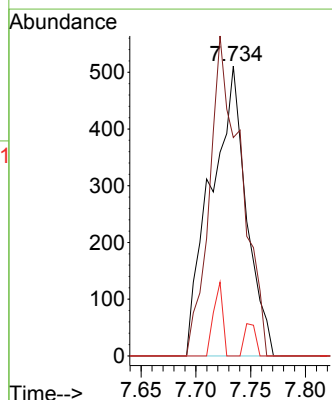
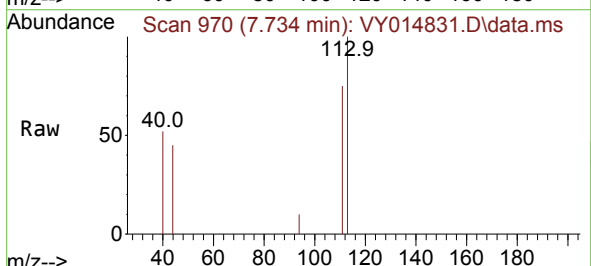
Tgt Ion:113 Resp: 1148

Ion Ratio Lower Upper

113 100

111 98.4 81.3 121.9

192 6.5 16.9 25.3#

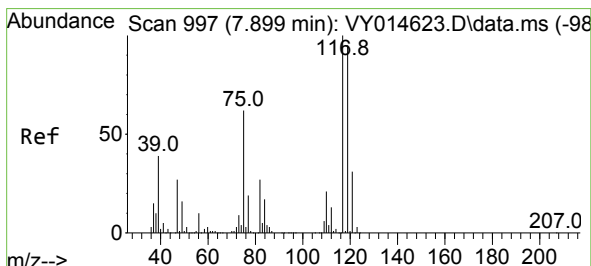
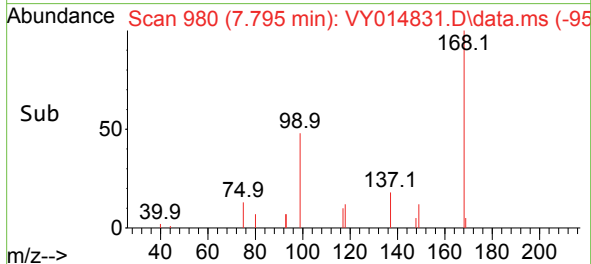
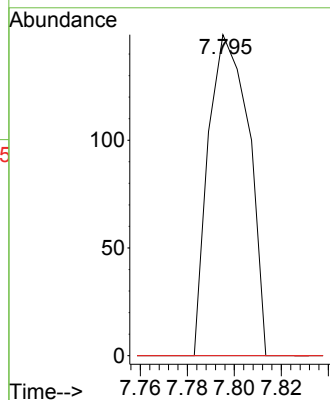
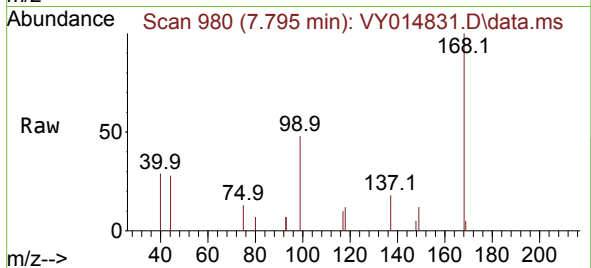




#36
 1,1-Dichloropropene
 Concen: 3.734 ug/l
 RT: 7.795 min Scan# 911
 Delta R.T. -0.116 min
 Lab File: VY014831.D
 Acq: 26 Jul 2023 03:32

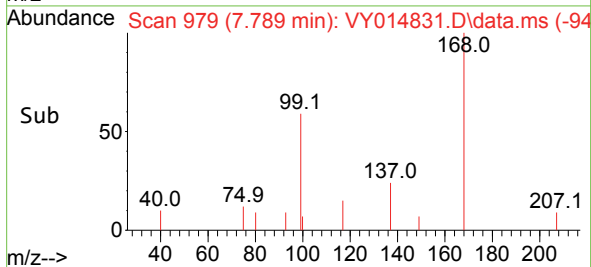
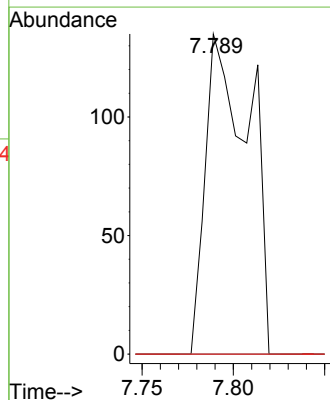
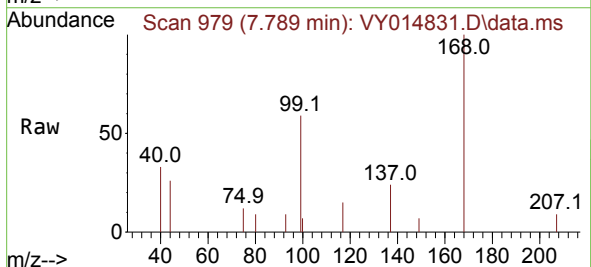
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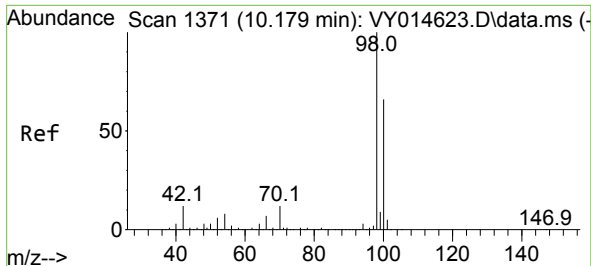
Tgt Ion: 75 Resp: 178
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.426 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY014831.D
 Acq: 26 Jul 2023 03:32

Tgt Ion: 117 Resp: 223
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.4 114.6#
 121 0.0 25.8 38.6#

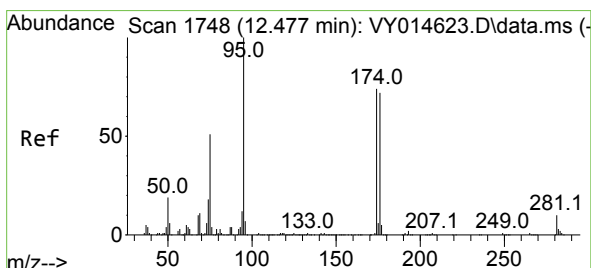
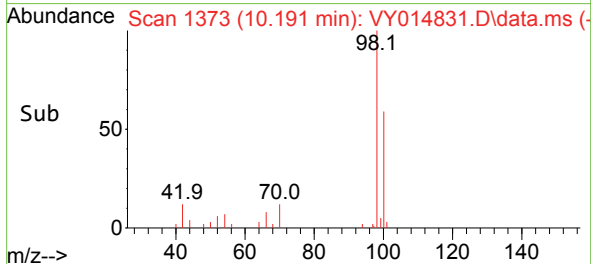
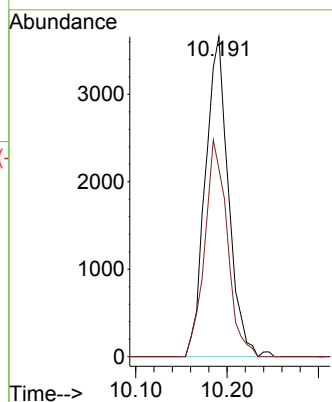
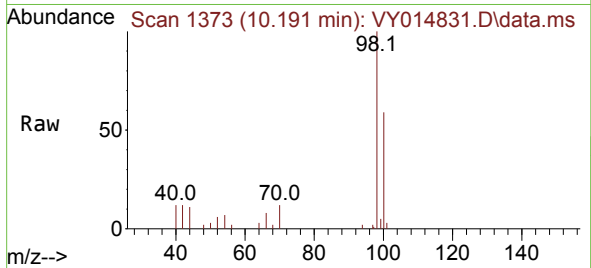




#50
Toluene-d8
Concen: 54.634 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

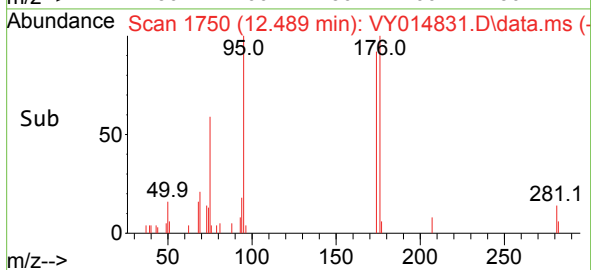
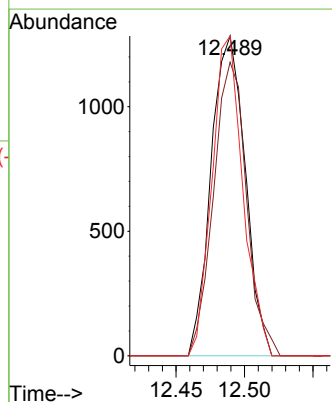
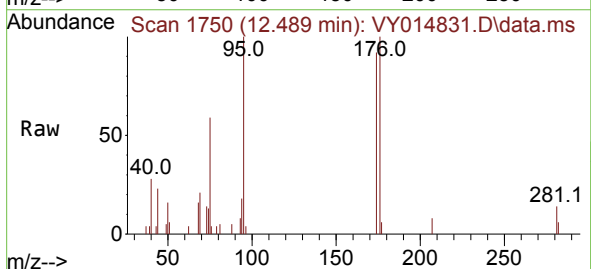
Instrument :
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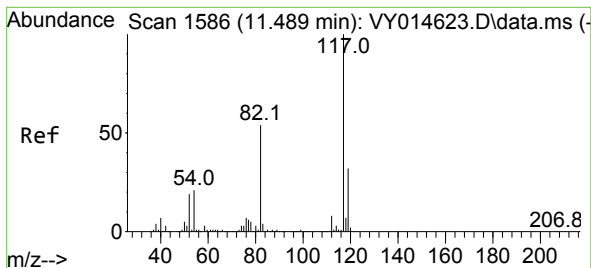
Tgt Ion: 98 Resp: 6420
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.181 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY014831.D
Acq: 26 Jul 2023 03:32

Tgt Ion: 95 Resp: 2216
Ion Ratio Lower Upper
95 100
174 89.2 0.0 178.2
176 91.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014831.D

Acq: 26 Jul 2023 03:32

Instrument :

MSVOA_Y

ClientSampleId :

B-P6A

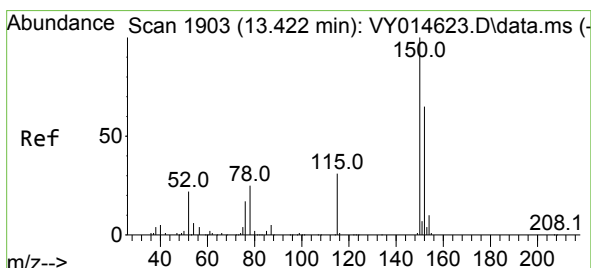
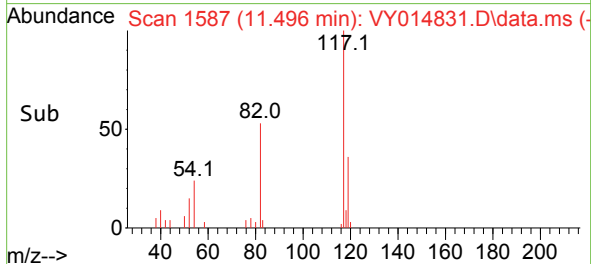
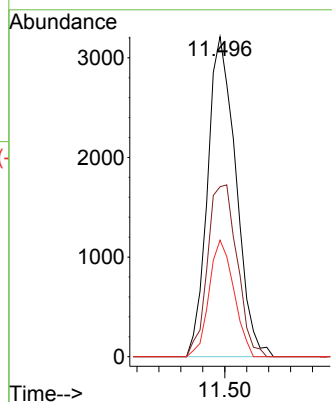
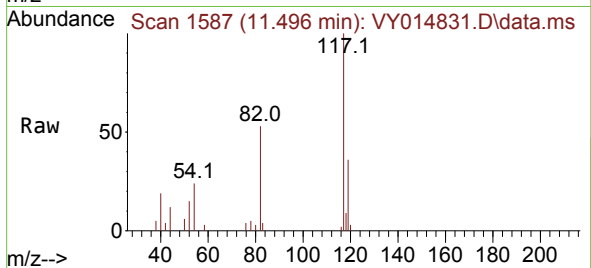
Tgt Ion:117 Resp: 5753

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 36.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014831.D

Acq: 26 Jul 2023 03:32

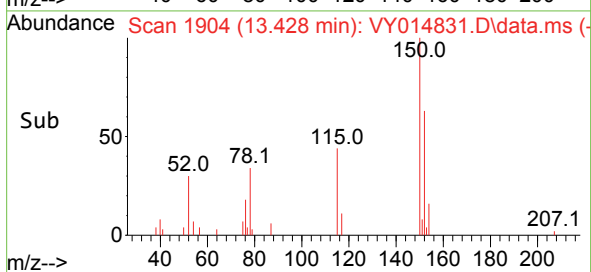
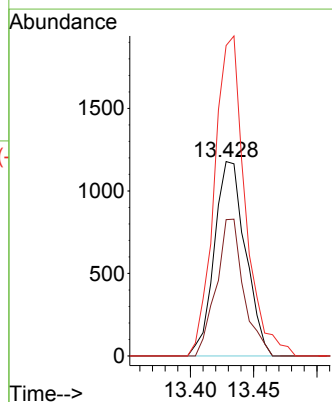
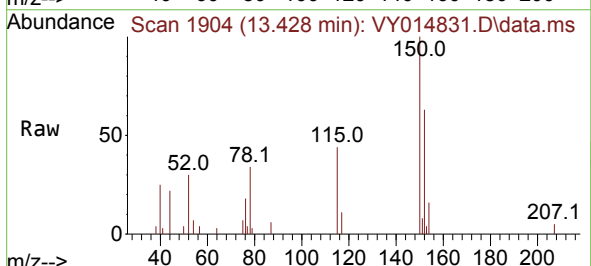
Tgt Ion:152 Resp: 2016

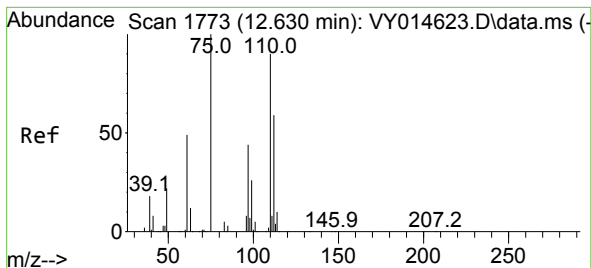
Ion Ratio Lower Upper

152 100

115 61.9 28.8 86.5

150 162.7 0.0 348.8

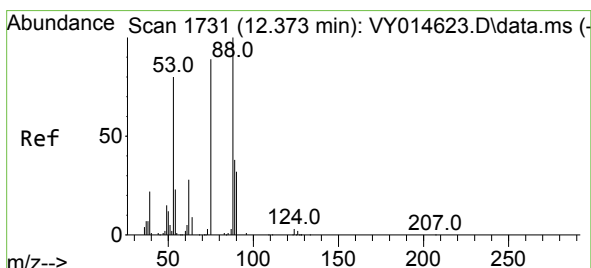
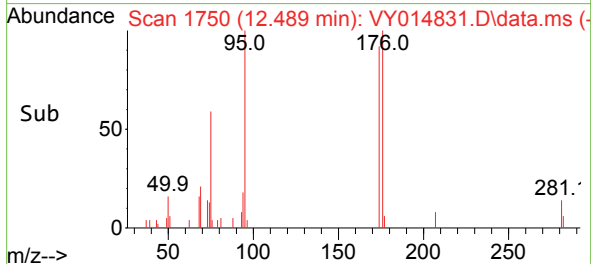
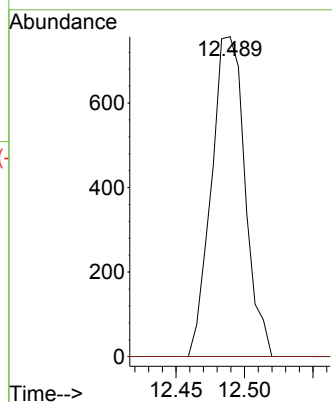
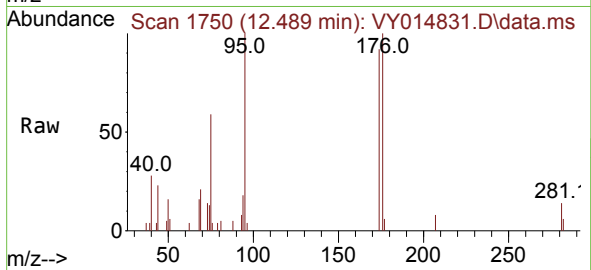




#76
 1,2,3-Trichloropropane
 Concen: 50.665 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.141 min
 Lab File: VY014831.D
 Acq: 26 Jul 2023 03:32

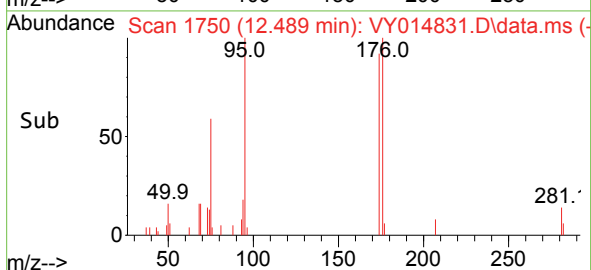
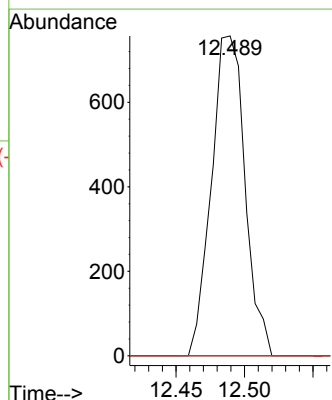
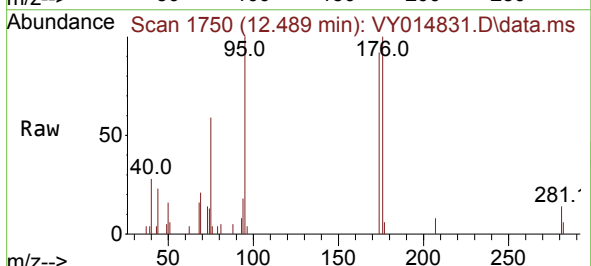
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P6A

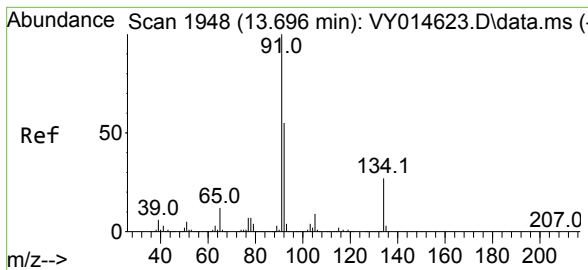
Tgt Ion: 75 Resp: 1290
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.096 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.116 min
 Lab File: VY014831.D
 Acq: 26 Jul 2023 03:32

Tgt Ion: 75 Resp: 1290
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#





#89
 n-Butylbenzene
 Concen: 2.422 ug/l
 RT: 13.934 min Scan# 1948
 Delta R.T. 0.238 min
 Lab File: VY014831.D
 Acq: 26 Jul 2023 03:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P6A

Tgt Ion: 91	Resp:	330
Ion	Ratio	Lower Upper
91	100	
92	0.0	25.4 76.0#
134	0.0	12.6 37.6#

