

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014835.D
 Acq On : 26 Jul 2023 05:06
 Operator : SY/MD
 Sample : 03741-16
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P28A

Quant Time: Jul 26 07:41:13 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)

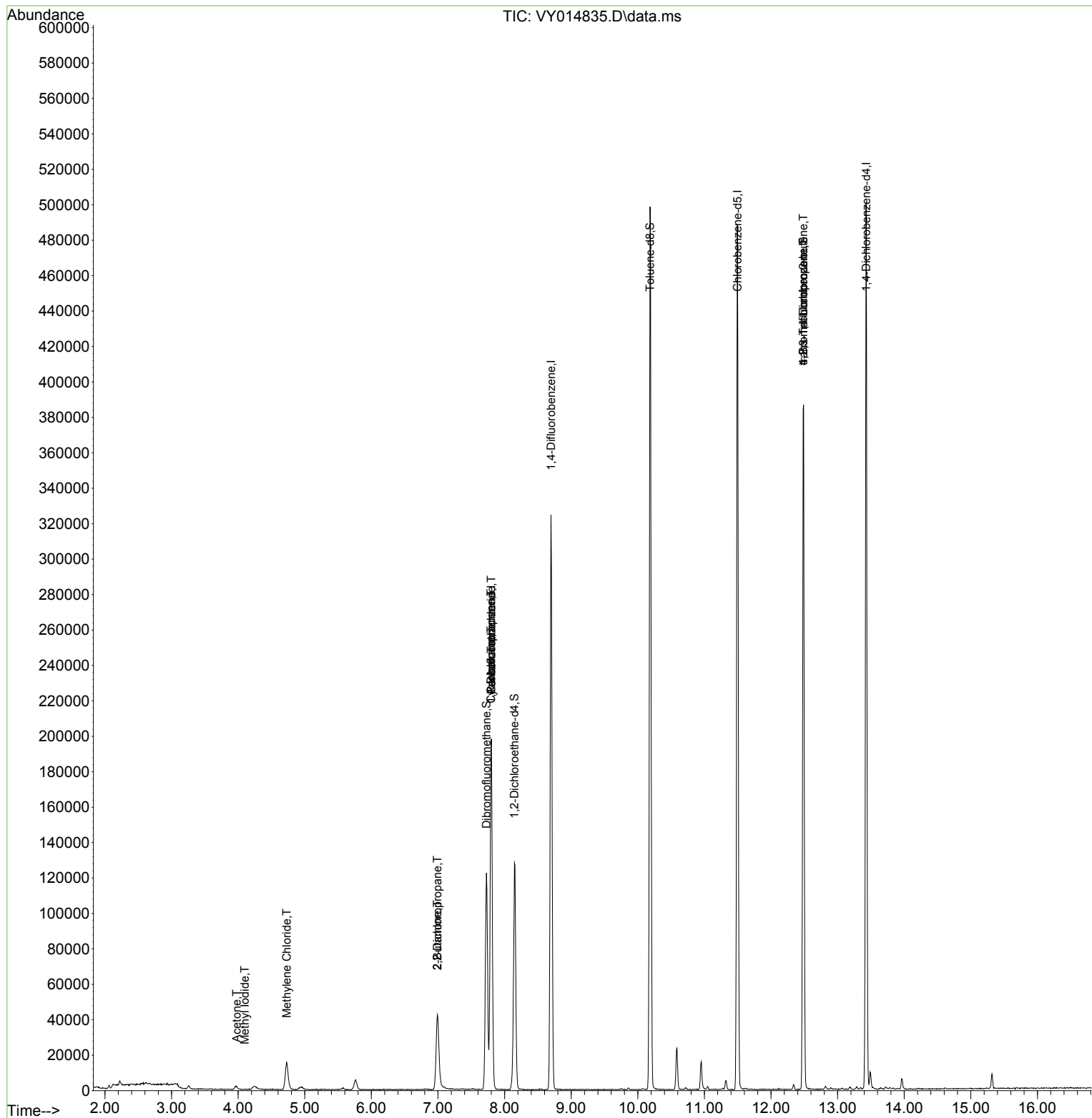
Internal Standards						
1) Pentafluorobenzene	7.801	168	153051	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	273974	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	264291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97902	56.134	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.260%	
35) Dibromofluoromethane	7.728	113	87305	50.059	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.185	98	325902	50.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.483	95	120148	48.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	20	2.381	ug/l #	38
11) Tert butyl alcohol	4.942	59	1109	Below Cal	#	89
16) Acetone	3.979	43	3605	6.523	ug/l	95
20) Methylene Chloride	4.728	84	11525	2.399	ug/l	91
25) 2-Butanone	6.990	43	2475	3.061	ug/l #	76
26) 2,2-Dichloropropane	6.990	77	3418	1.152	ug/l #	54
31) Cyclohexane	7.795	56	3326	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	12351	4.735	ug/l #	50
38) Carbon Tetrachloride	7.801	117	15855	5.751	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	64280	41.175	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64280	79.723	ug/l #	10

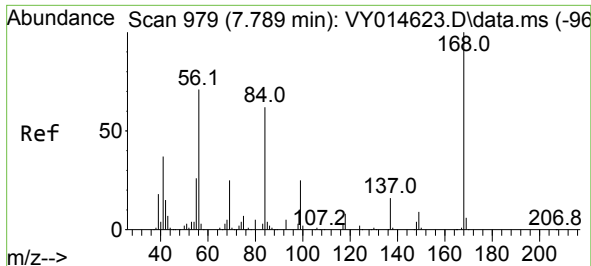
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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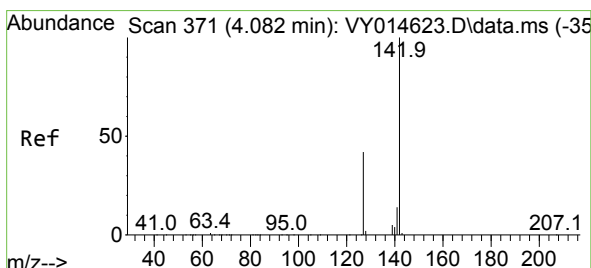
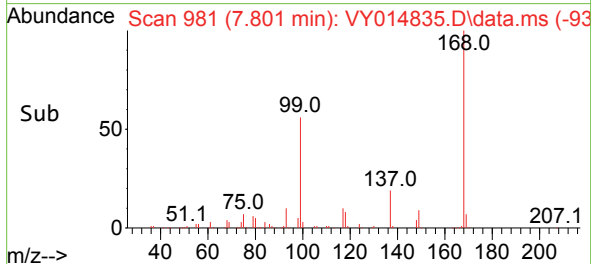
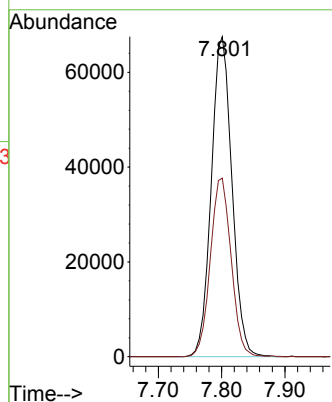
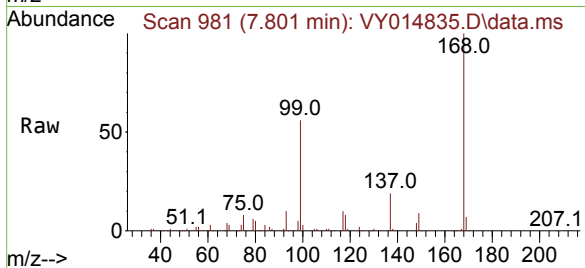




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

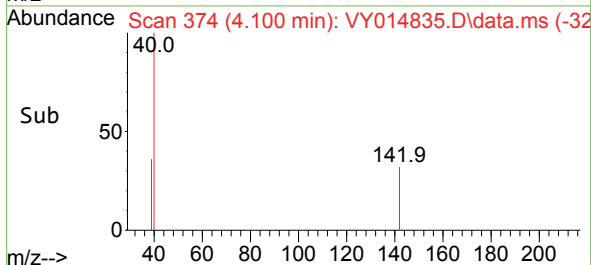
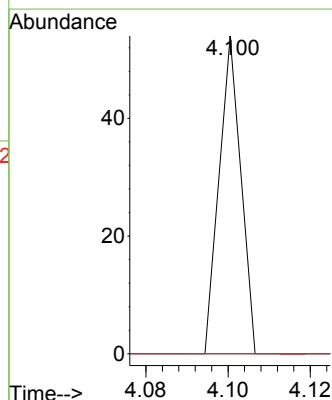
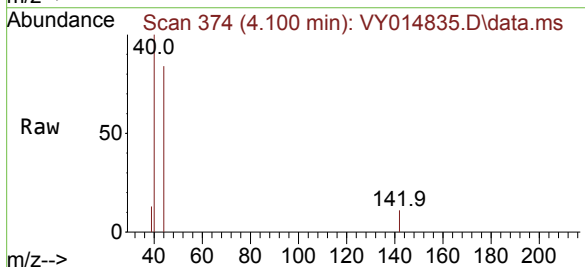
Instrument :
MSVOA_Y
ClientSampleId :
B-P28A

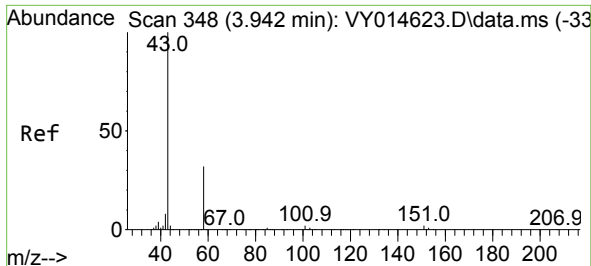
Tgt Ion:168 Resp: 153051
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.381 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

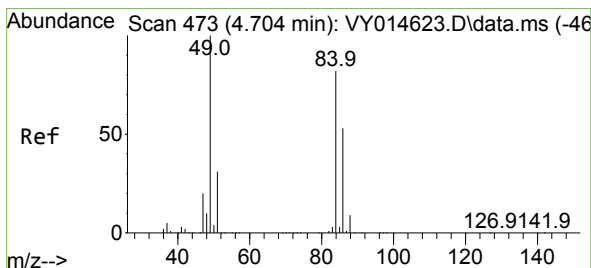
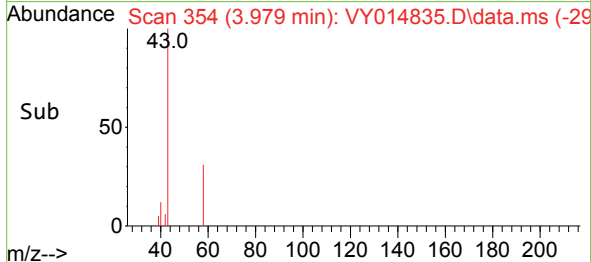
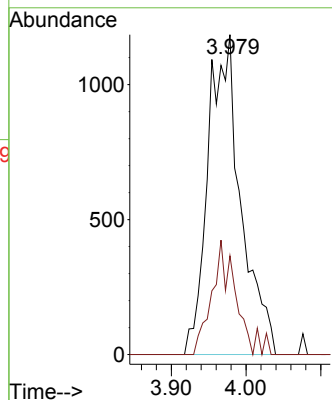
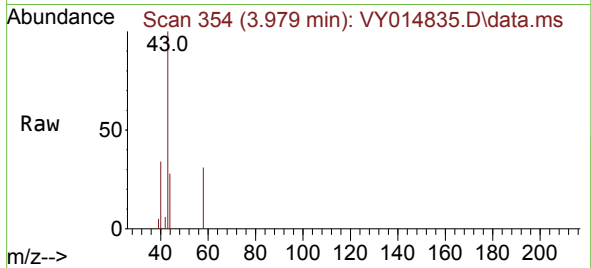




#16
Acetone
Concen: 6.523 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.037 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

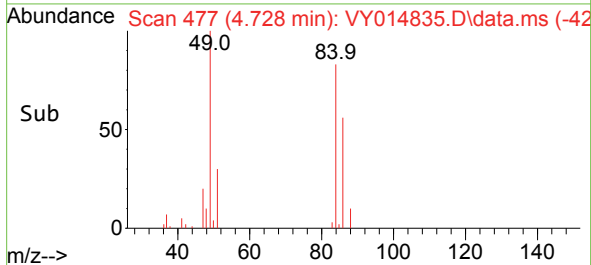
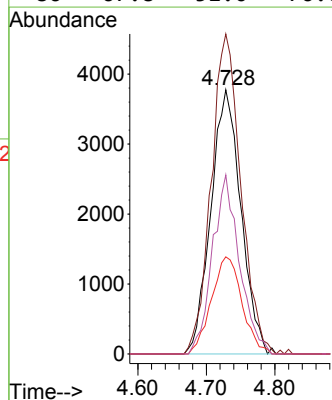
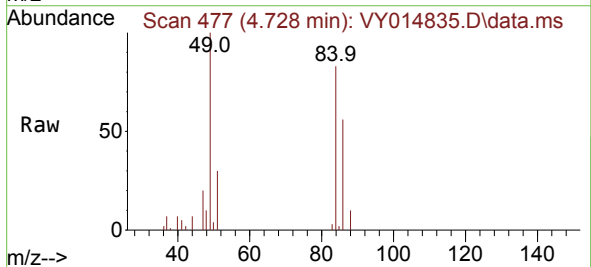
Instrument :
MSVOA_Y
ClientSampleId :
B-P28A

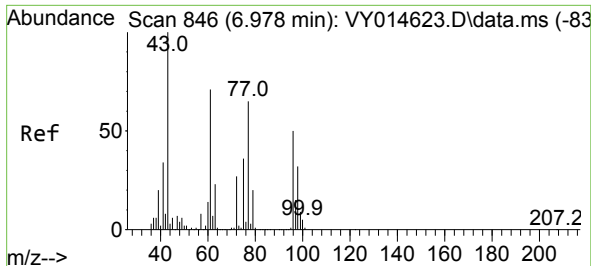
Tgt Ion: 43 Resp: 3605
Ion Ratio Lower Upper
43 100
58 30.9 22.7 34.1



#20
Methylene Chloride
Concen: 2.399 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.024 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion: 84 Resp: 11525
Ion Ratio Lower Upper
84 100
49 121.1 106.9 160.3
51 36.8 33.2 49.8
86 67.8 51.0 76.6

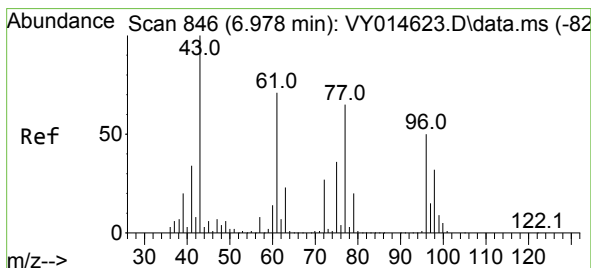
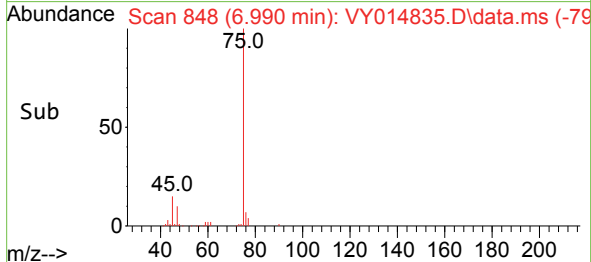
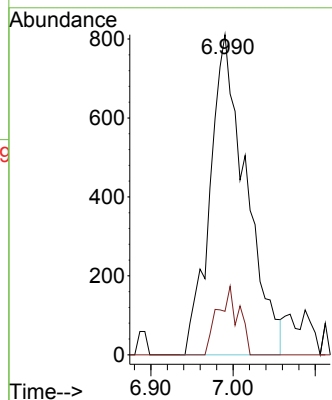
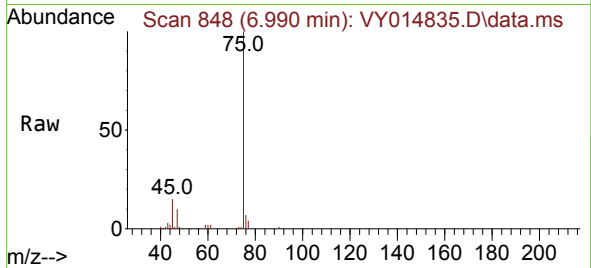




#25
2-Butanone
Concen: 3.061 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

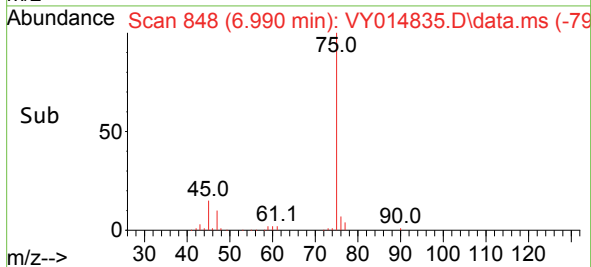
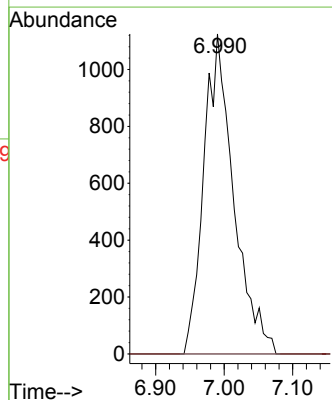
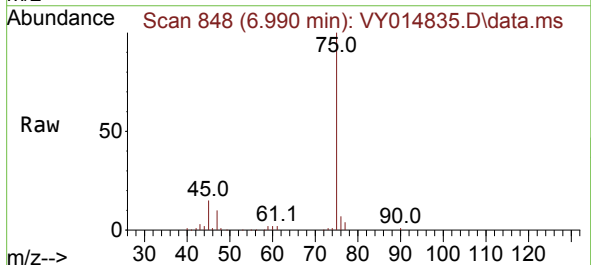
Instrument :
MSVOA_Y
ClientSampleId :
B-P28A

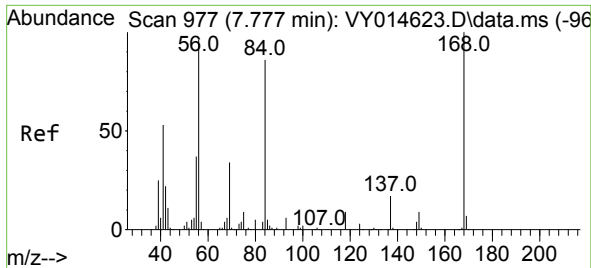
Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
72 13.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.152 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion: 77 Resp: 3418
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

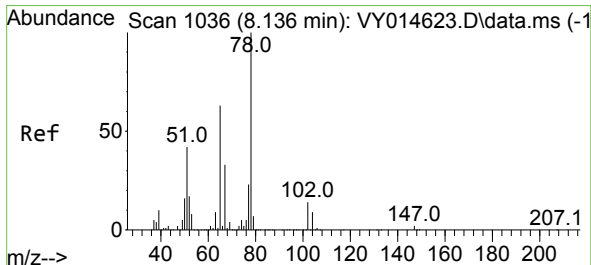
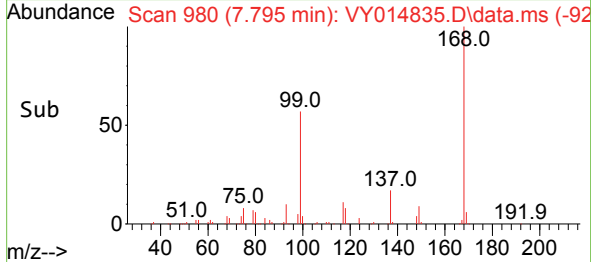
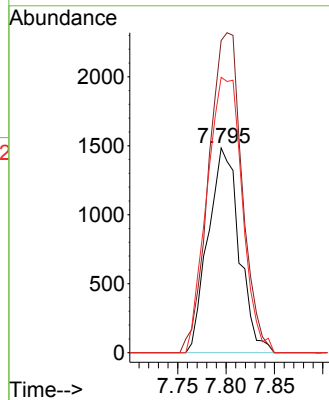
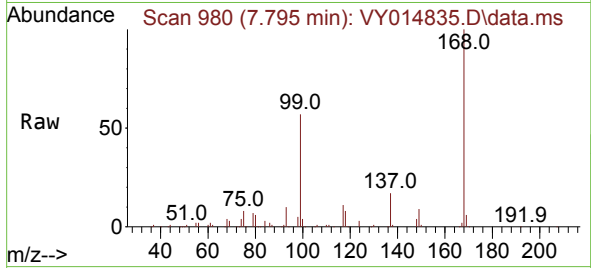




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

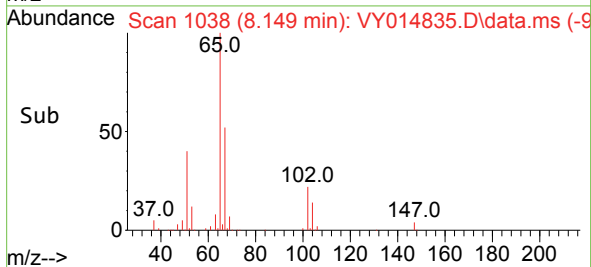
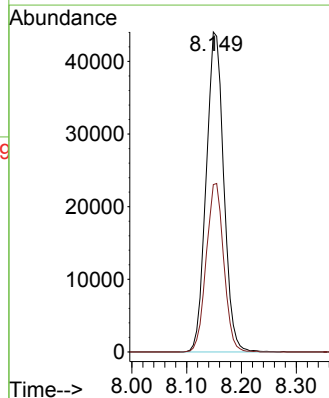
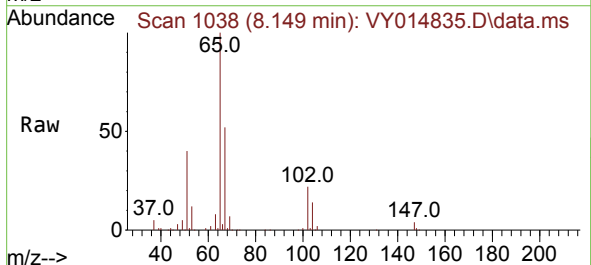
Instrument :
MSVOA_Y
ClientSampleId :
B-P28A

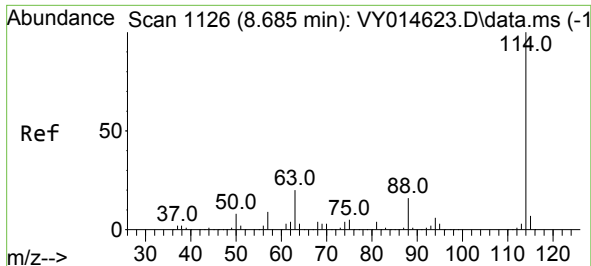
Tgt Ion: 56 Resp: 3326
Ion Ratio Lower Upper
56 100
69 152.6 27.8 41.6#
84 134.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.134 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion: 65 Resp: 97902
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY014835.D

Acq: 26 Jul 2023 05:06

Instrument :

MSVOA_Y

ClientSampleId :

B-P28A

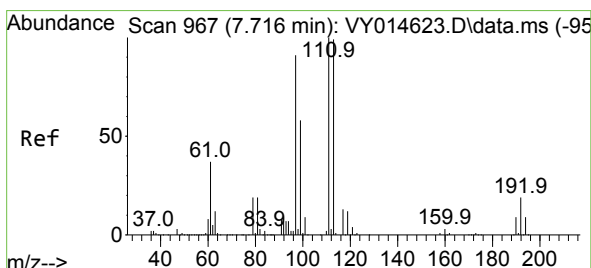
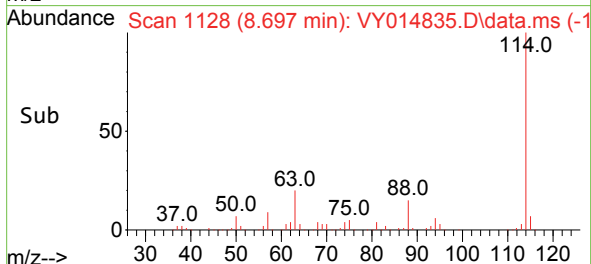
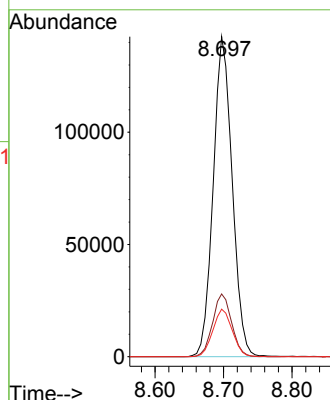
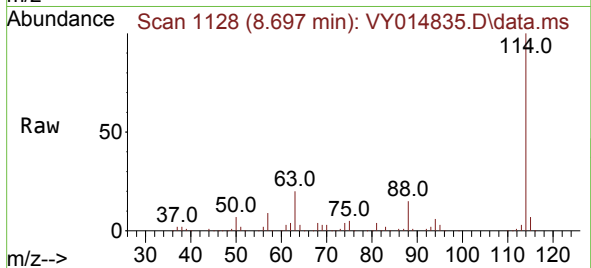
Tgt Ion:114 Resp: 273974

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.059 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014835.D

Acq: 26 Jul 2023 05:06

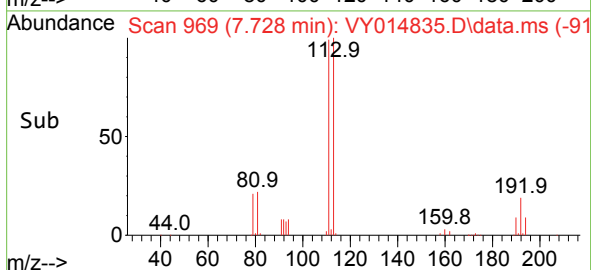
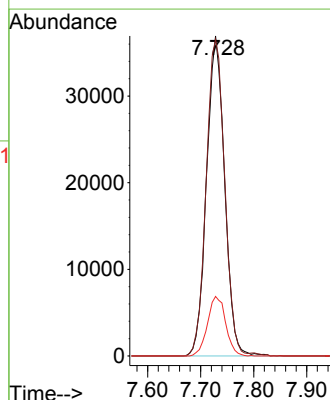
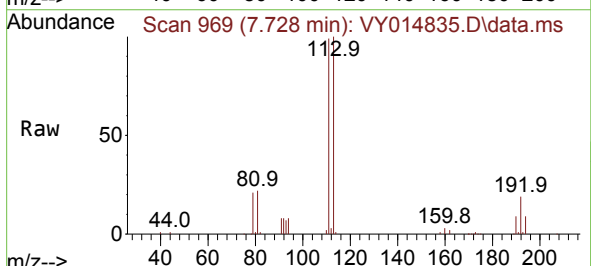
Tgt Ion:113 Resp: 87305

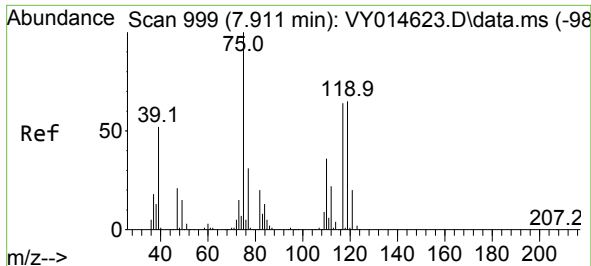
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 18.8 16.9 25.3

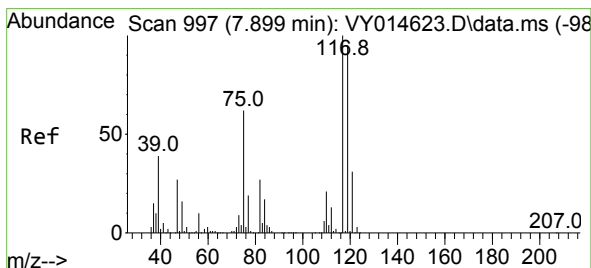
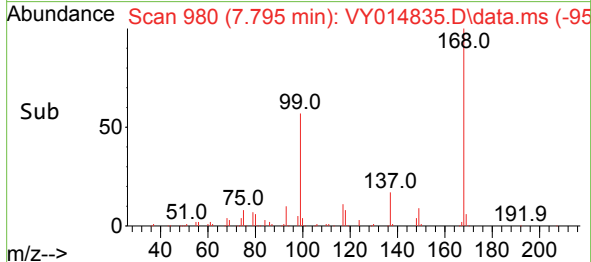
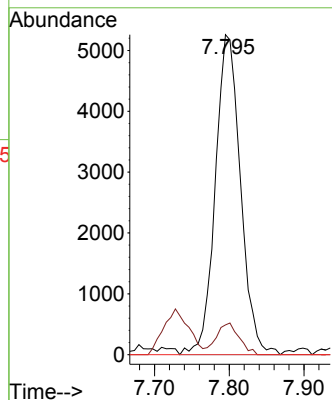
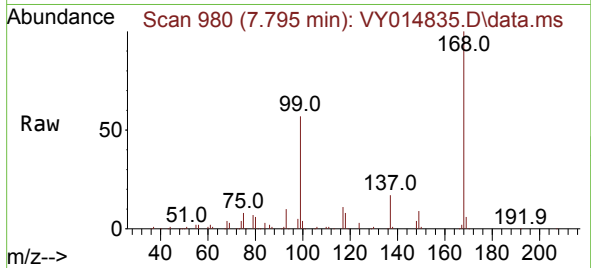




#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.795 min Scan# 90
 Delta R.T. -0.116 min
 Lab File: VY014835.D
 Acq: 26 Jul 2023 05:06

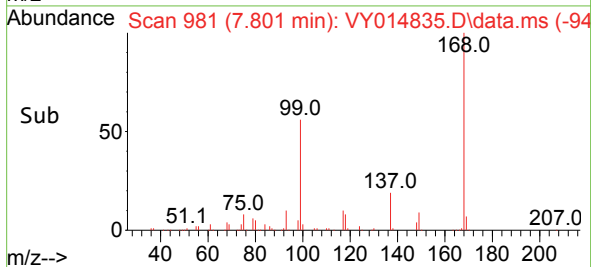
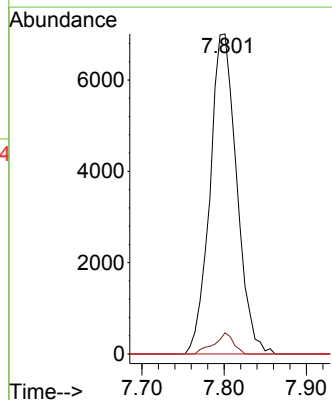
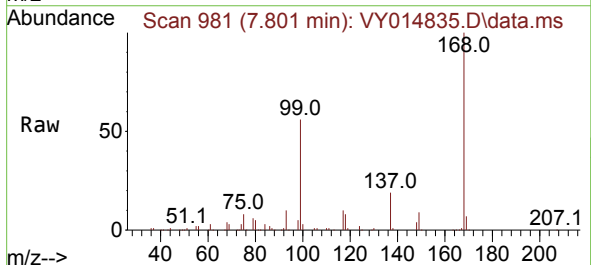
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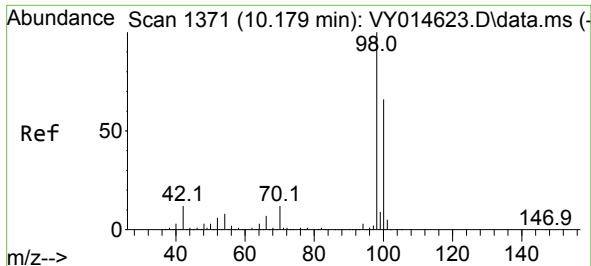
Tgt Ion: 75 Resp: 12351
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.751 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.098 min
 Lab File: VY014835.D
 Acq: 26 Jul 2023 05:06

Tgt Ion: 117 Resp: 15855
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.4 114.6#
 121 0.0 25.8 38.6#

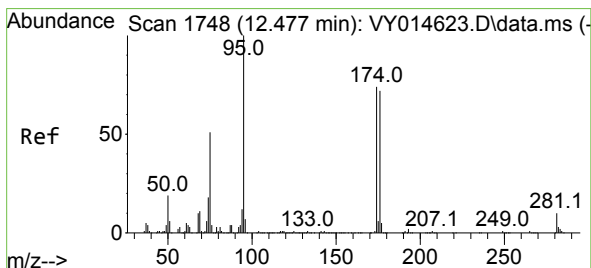
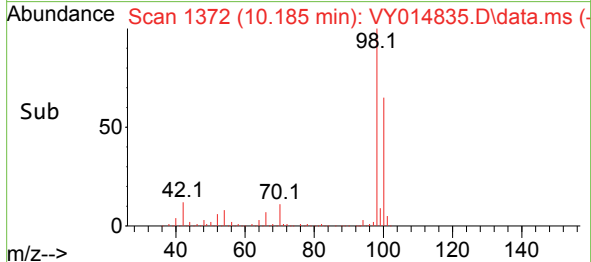
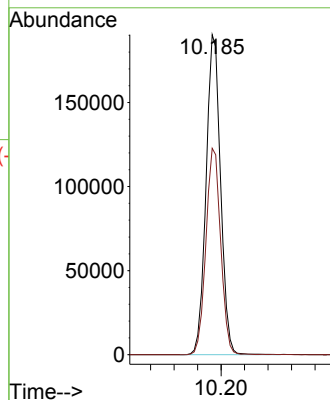
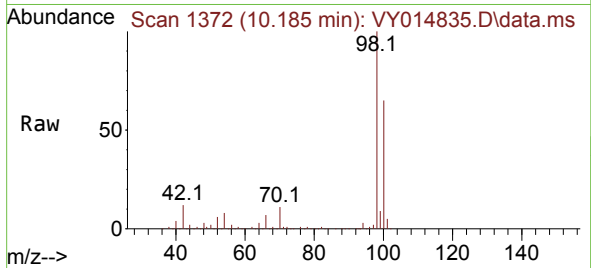




#50
Toluene-d8
Concen: 50.685 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

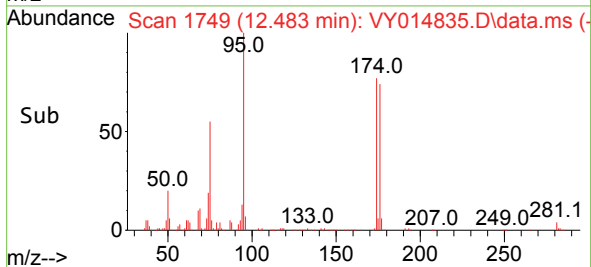
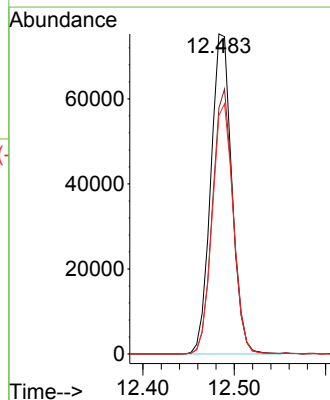
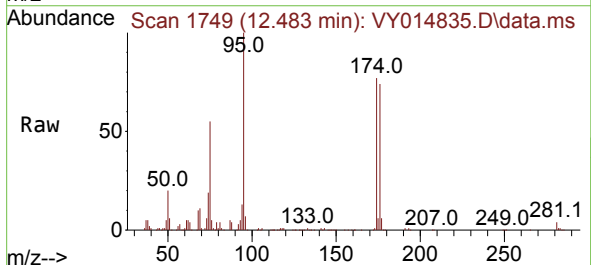
Instrument :
MSVOA_Y
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B-P28A

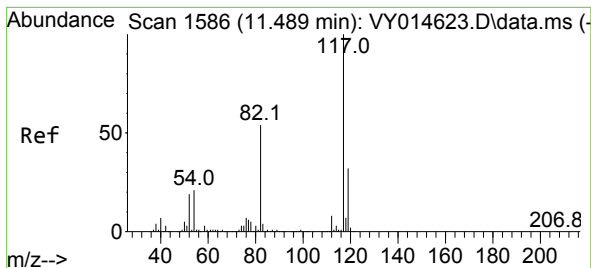
Tgt Ion: 98 Resp: 325902
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion: 95 Resp: 120148
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.2
176 78.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014835.D

Acq: 26 Jul 2023 05:06

Instrument :

MSVOA_Y

ClientSampleId :

B-P28A

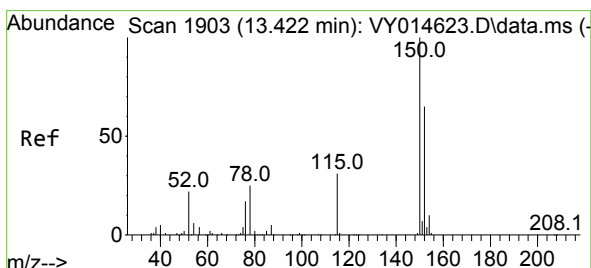
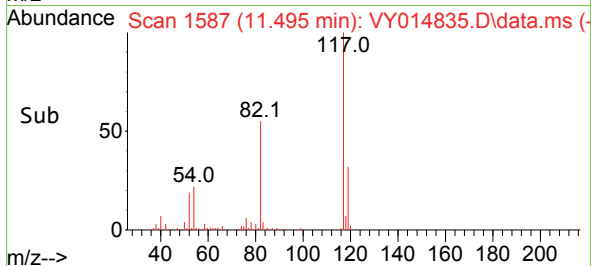
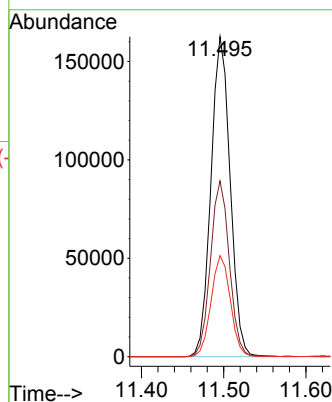
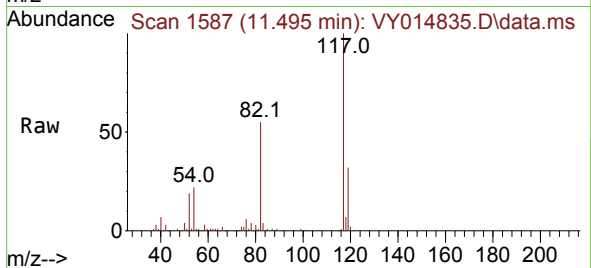
Tgt Ion:117 Resp: 264291

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.6 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: VY014835.D

Acq: 26 Jul 2023 05:06

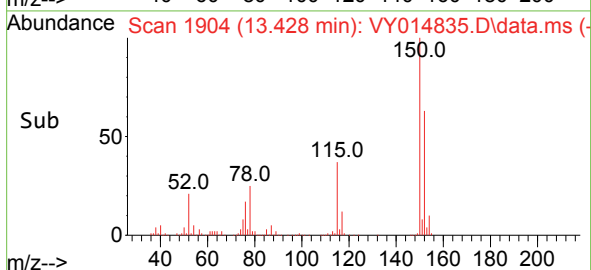
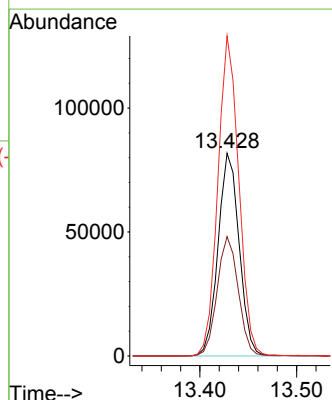
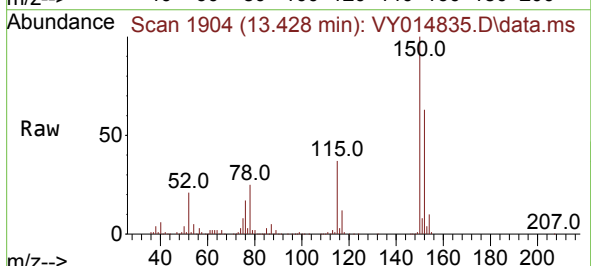
Tgt Ion:152 Resp: 123608

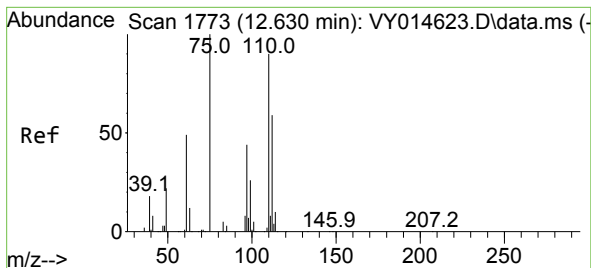
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.2 0.0 348.8

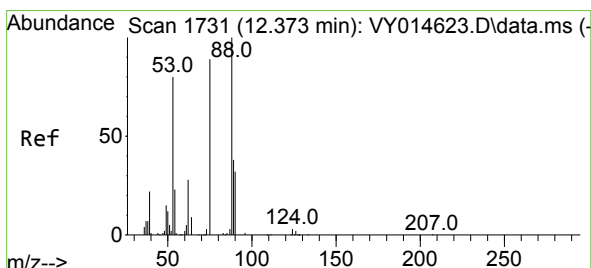
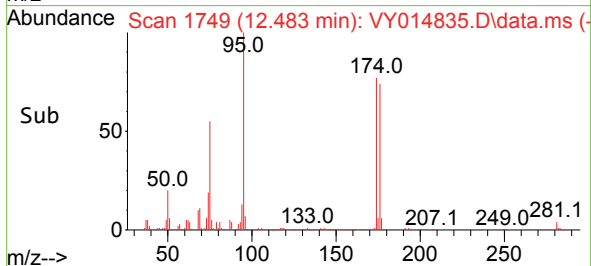
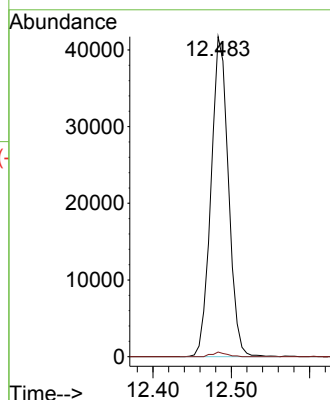
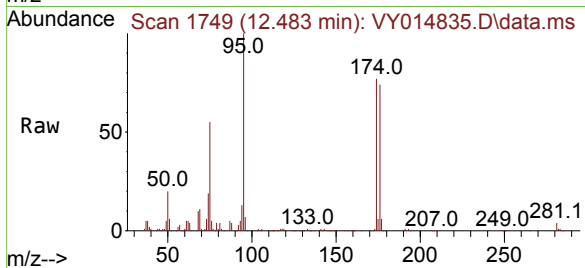




#76
1,2,3-Trichloropropane
Concen: 41.175 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Instrument :
MSVOA_Y
ClientSampleId :
B-P28A

Tgt Ion: 75 Resp: 64280
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.723 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY014835.D
Acq: 26 Jul 2023 05:06

Tgt Ion: 75 Resp: 64280
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

