

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012298.D
 Acq On : 20 Jan 2023 18:10
 Operator : KP/MD
 Sample : 01232-08
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-35A

Quant Time: Jan 23 02:24:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

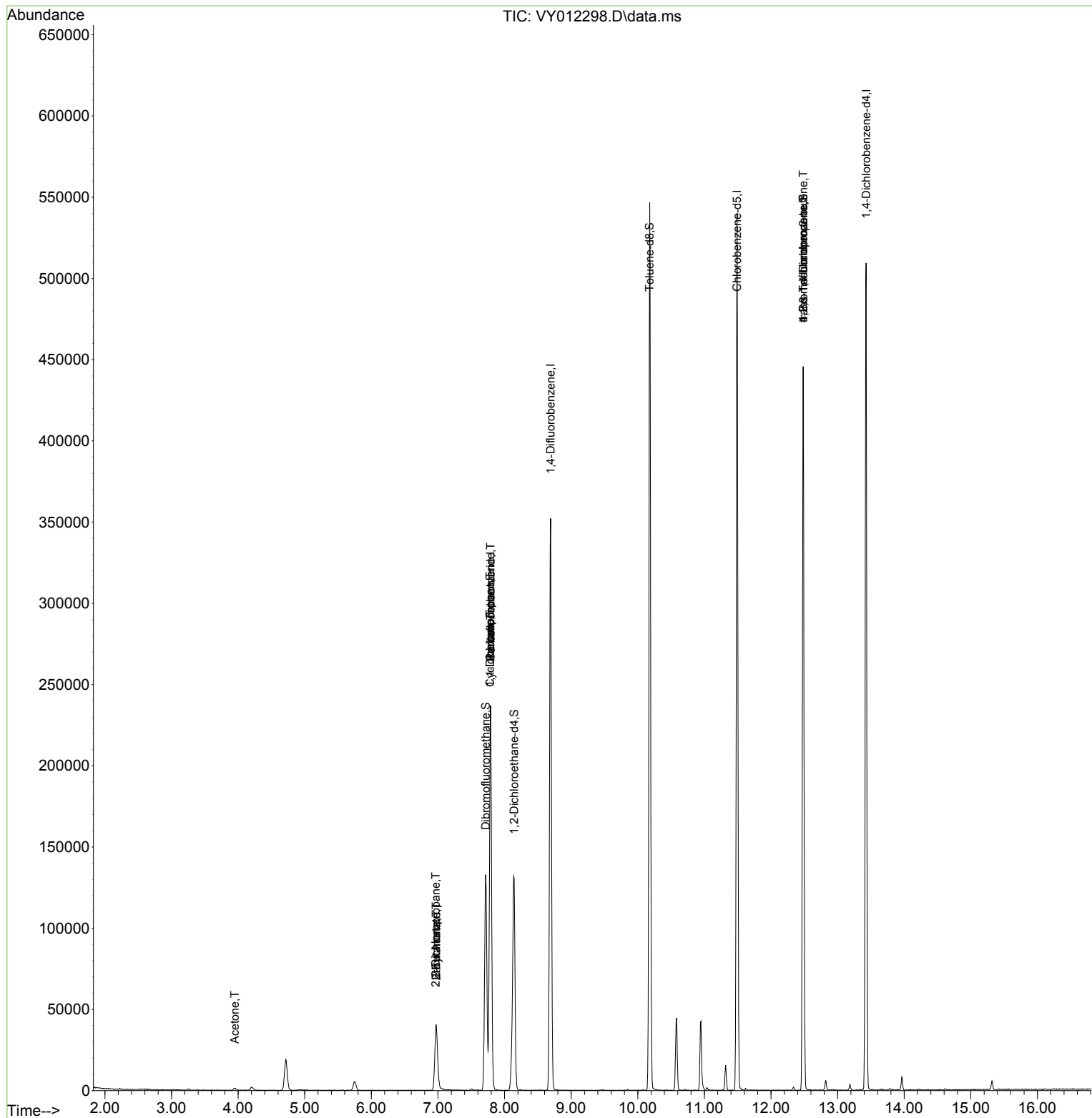
Internal Standards						
1) Pentafluorobenzene	7.789	168	188384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	314014	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	302134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103754	67.849	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.700%			
35) Dibromofluoromethane	7.716	113	92951	55.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.800%			
50) Toluene-d8	10.179	98	369520	65.483	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 130.960%			
62) 4-Bromofluorobenzene	12.483	95	124270	53.018	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.040%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	935	Below Cal	#	74
16) Acetone	3.948	43	2271	4.329	ug/l	88
20) Methylene Chloride	4.723	84	15838	Below Cal	#	82
25) 2-Butanone	6.972	43	1921	3.317	ug/l	# 71
26) 2,2-Dichloropropane	6.966	77	3334	1.038	ug/l	# 53
31) Cyclohexane	7.783	56	3398	1.237	ug/l	# 22
36) 1,1-Dichloropropene	7.783	75	12607	4.461	ug/l	# 52
37) Ethyl Acetate	6.972	43	1921	1.542	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	18263	5.004	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	64445	49.748	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	64445	102.503	ug/l	# 13

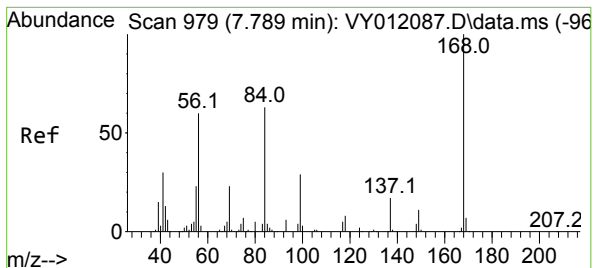
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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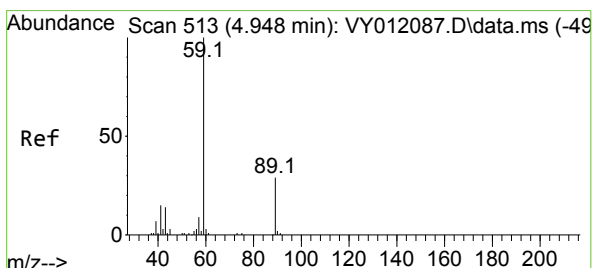
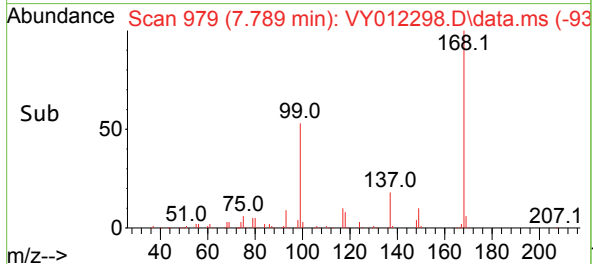
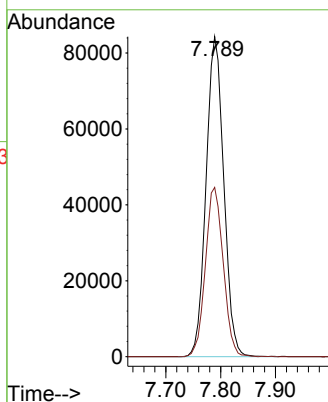
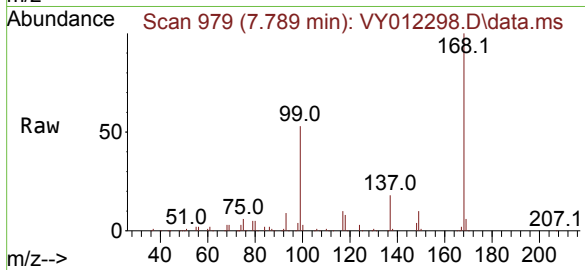




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

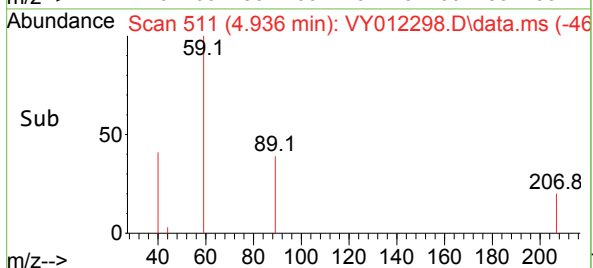
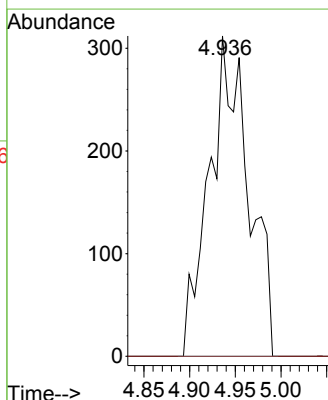
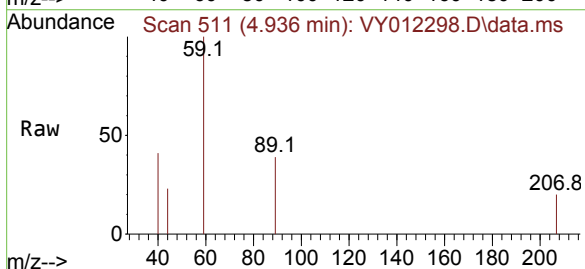
Instrument :
MSVOA_Y
ClientSampleId :
B-P-35A

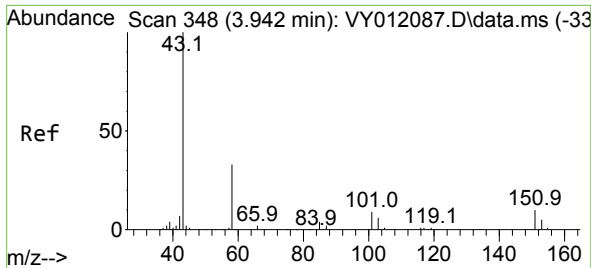
Tgt Ion:168 Resp: 188384
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Tgt Ion: 59 Resp: 935
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 4.329 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012298.D

Acq: 20 Jan 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

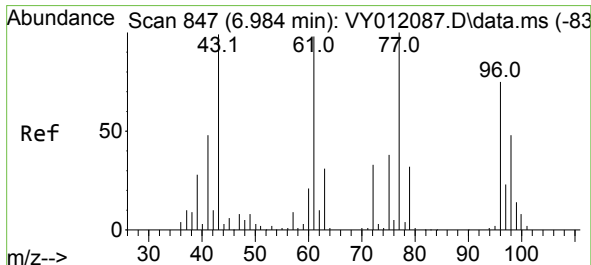
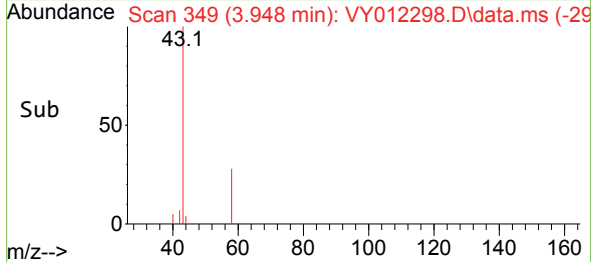
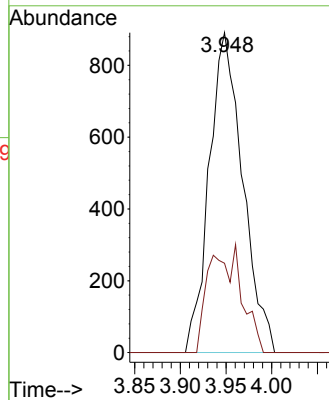
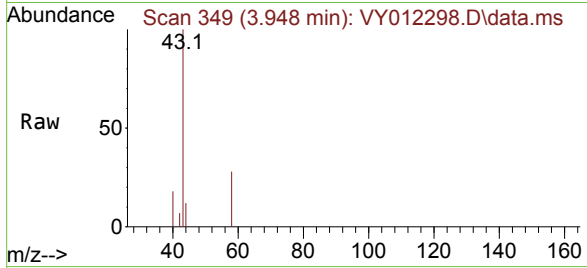
B-P-35A

Tgt Ion: 43 Resp: 2271

Ion Ratio Lower Upper

43 100

58 27.9 27.9 41.9



#25

2-Butanone

Concen: 3.317 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012298.D

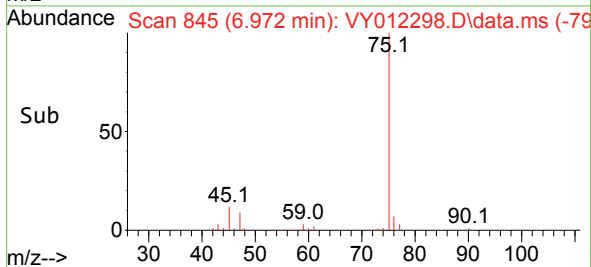
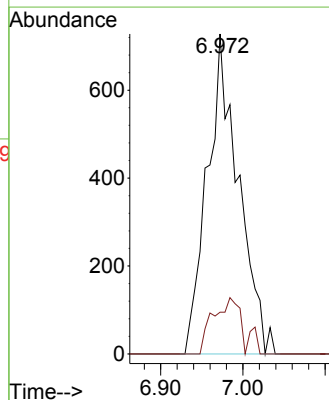
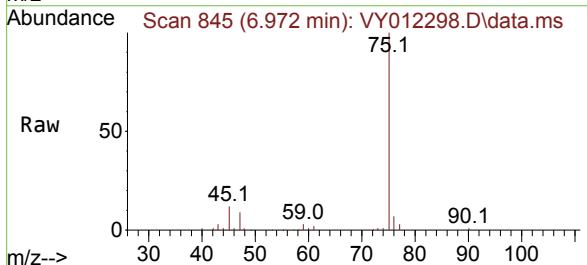
Acq: 20 Jan 2023 18:10

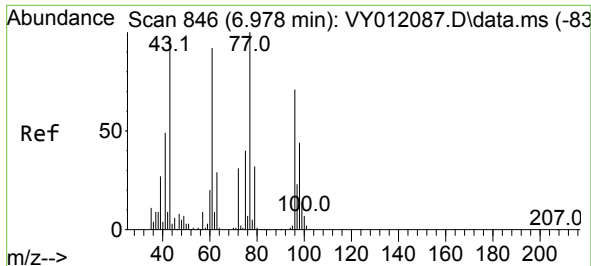
Tgt Ion: 43 Resp: 1921

Ion Ratio Lower Upper

43 100

72 13.0 22.6 34.0#

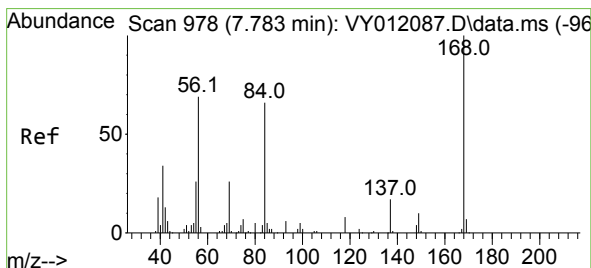
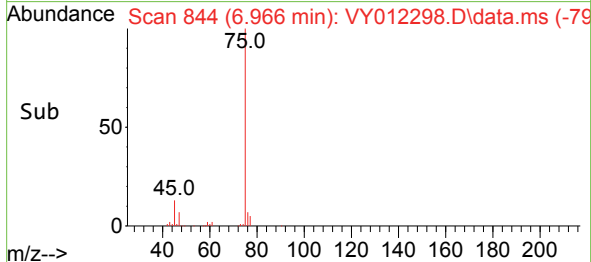
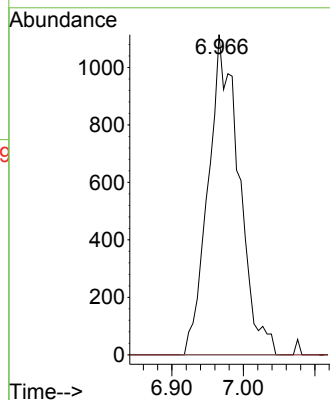
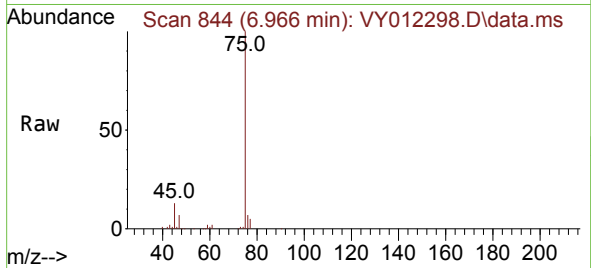




#26
2,2-Dichloropropane
Concen: 1.038 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

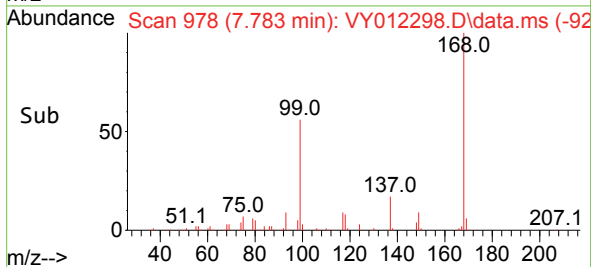
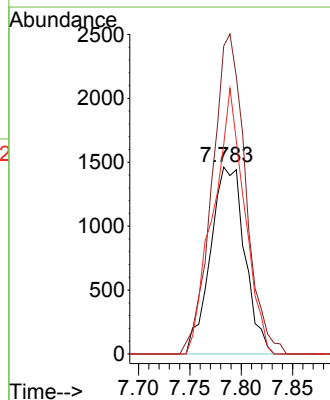
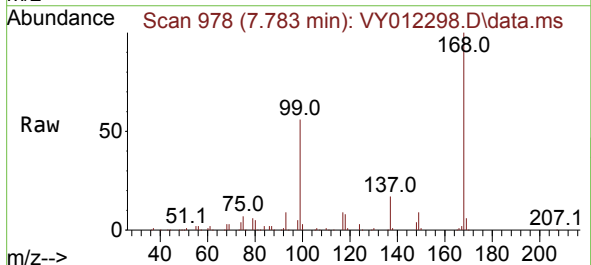
Instrument :
MSVOA_Y
ClientSampleId :
B-P-35A

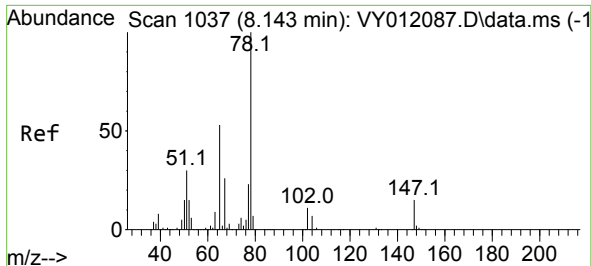
Tgt Ion: 77 Resp: 3334
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Tgt Ion: 56 Resp: 3398
Ion Ratio Lower Upper
56 100
69 164.7 29.2 43.8#
84 112.1 72.6 108.8#

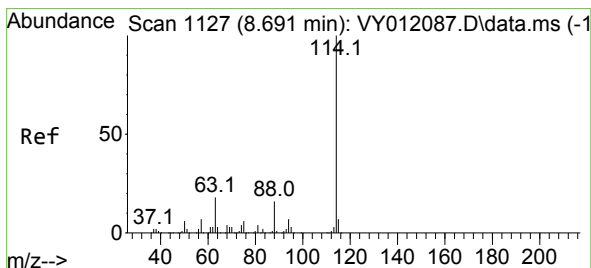
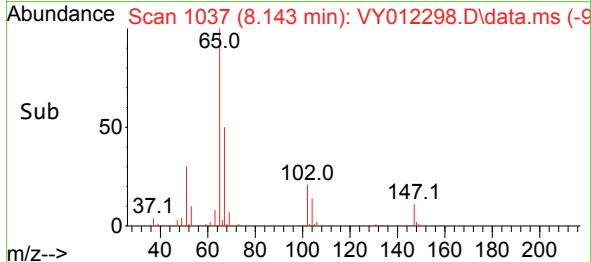
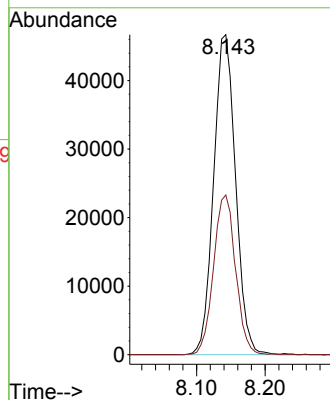
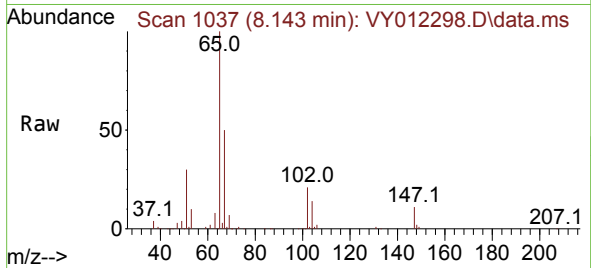




#33
 1,2-Dichloroethane-d4
 Concen: 67.849 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012298.D
 Acq: 20 Jan 2023 18:10

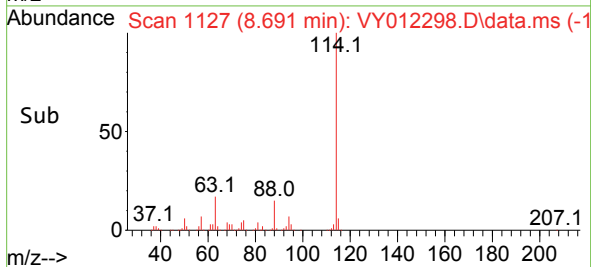
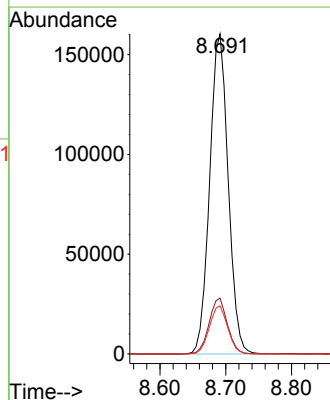
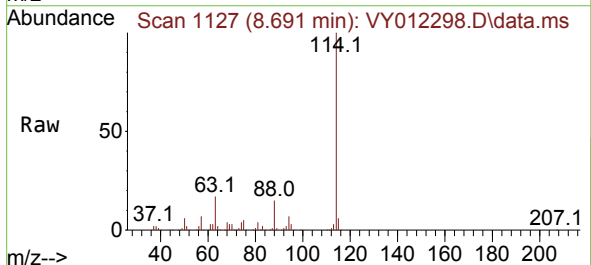
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P-35A

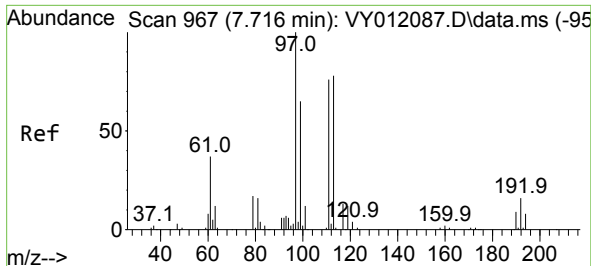
Tgt Ion: 65 Resp: 103754
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012298.D
 Acq: 20 Jan 2023 18:10

Tgt Ion:114 Resp: 314014
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 39.6
 88 15.0 0.0 32.2

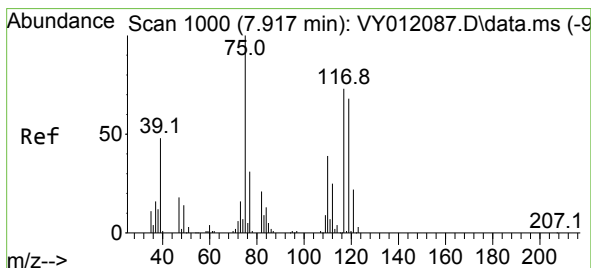
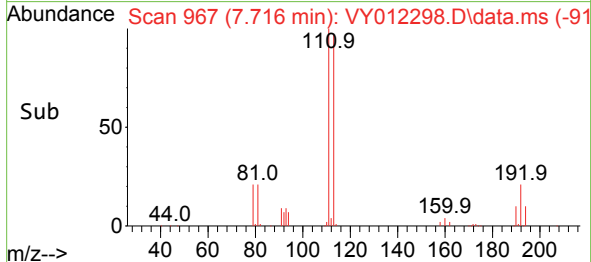
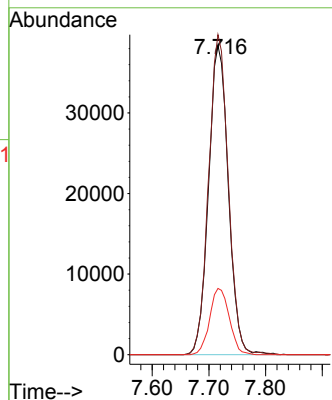
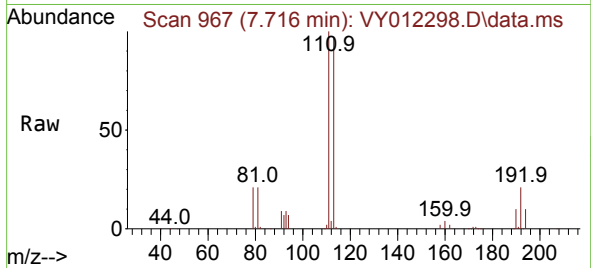




#35
Dibromofluoromethane
Concen: 55.903 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

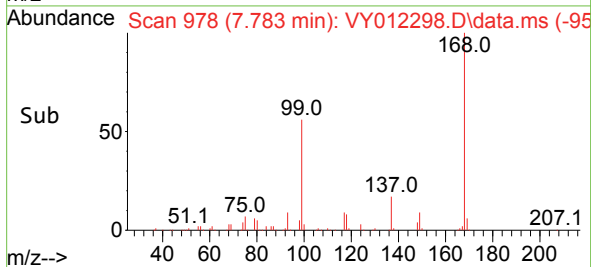
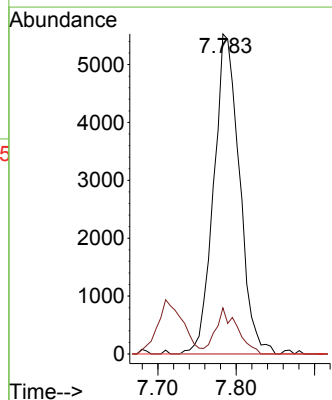
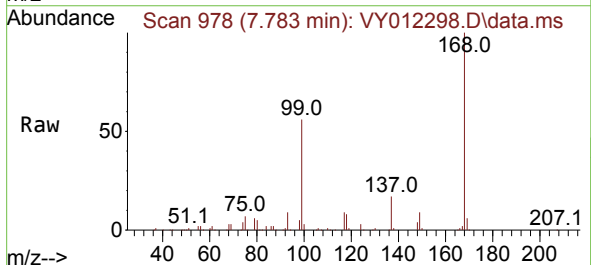
Instrument :
MSVOA_Y
ClientSampleId :
B-P-35A

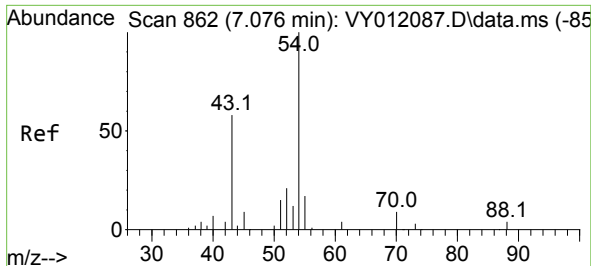
Tgt Ion:113 Resp: 92951
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Tgt Ion: 75 Resp: 12607
Ion Ratio Lower Upper
75 100
110 12.0 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.542 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.104 min

Lab File: VY012298.D

Acq: 20 Jan 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

B-P-35A

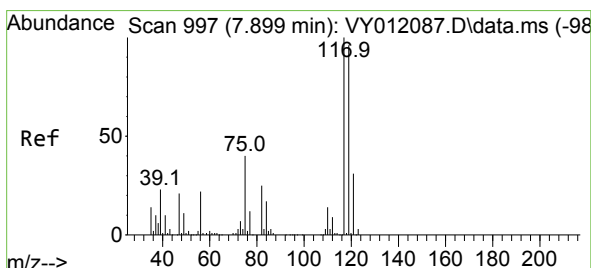
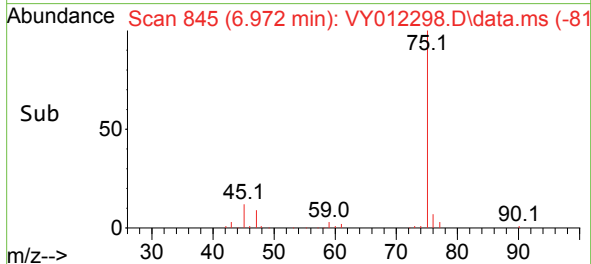
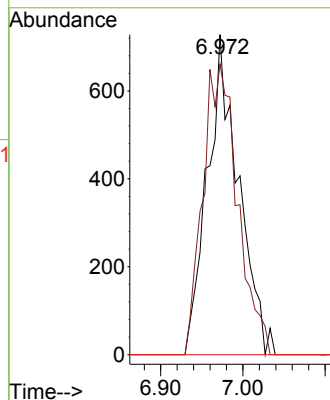
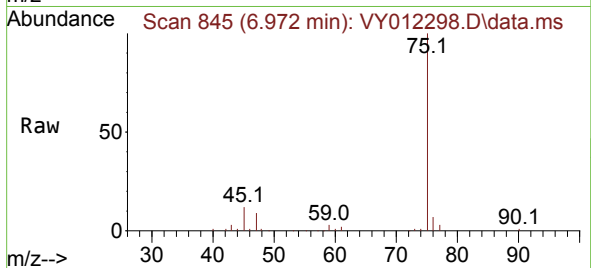
Tgt Ion: 43 Resp: 1921

Ion Ratio Lower Upper

43 100

61 100.9 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.004 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012298.D

Acq: 20 Jan 2023 18:10

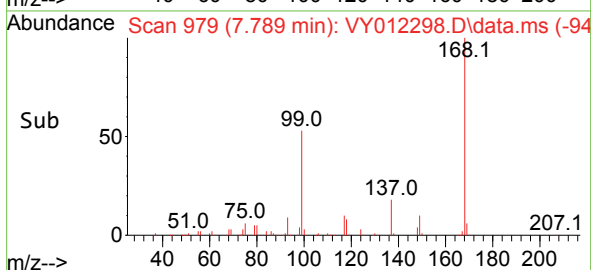
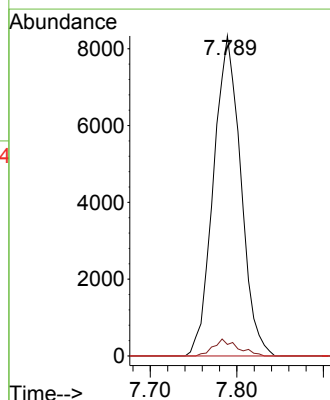
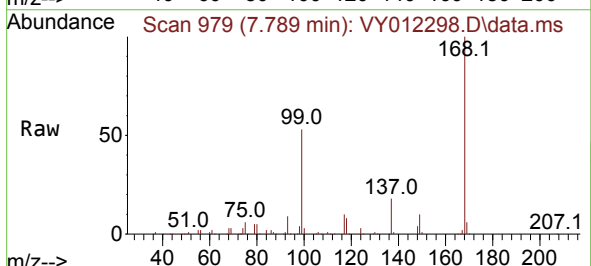
Tgt Ion: 117 Resp: 18263

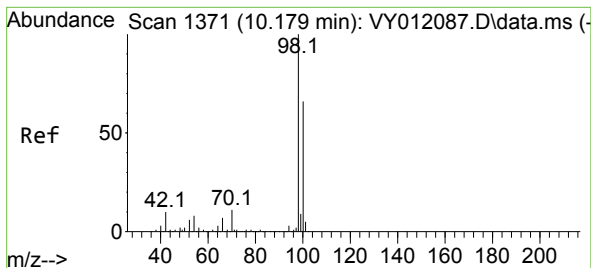
Ion Ratio Lower Upper

117 100

119 3.6 73.8 110.8#

121 0.0 25.2 37.8#

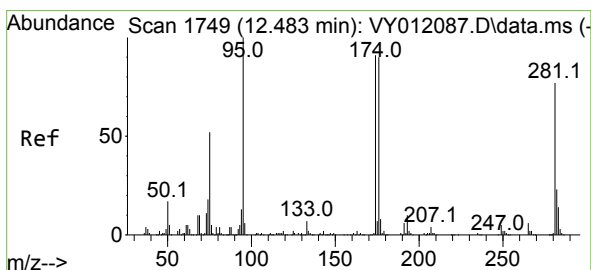
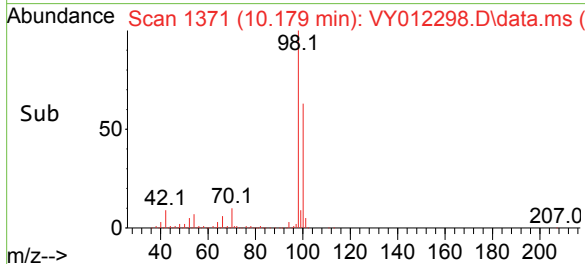
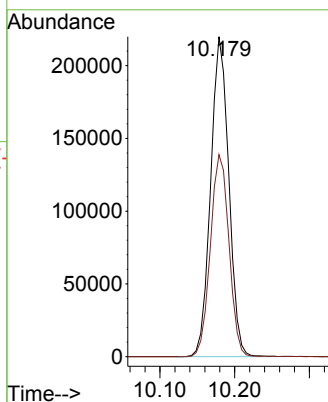
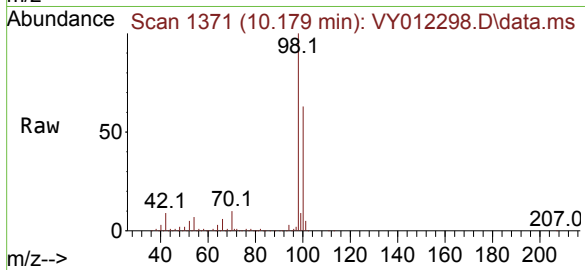




#50
Toluene-d8
Concen: 65.483 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

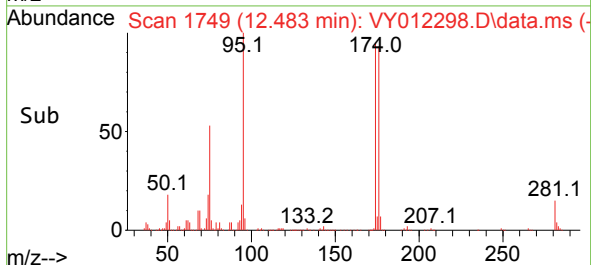
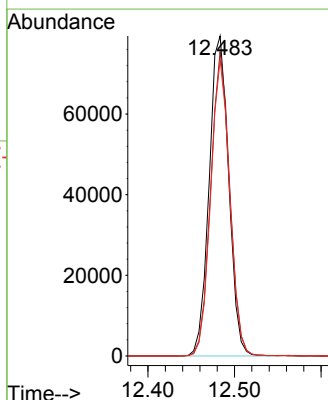
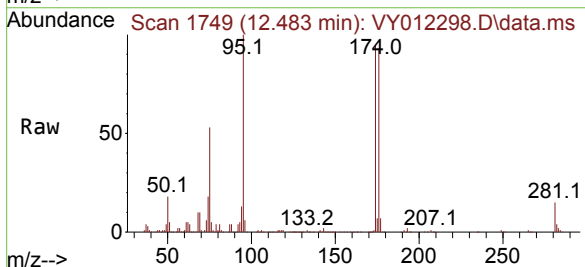
Instrument :
MSVOA_Y
ClientSampleId :
B-P-35A

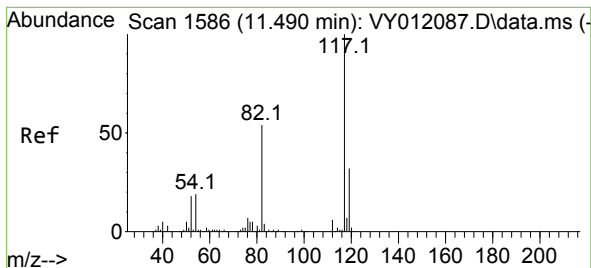
Tgt Ion: 98 Resp: 369520
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.018 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Tgt Ion: 95 Resp: 124270
Ion Ratio Lower Upper
95 100
174 92.7 0.0 172.0
176 90.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012298.D

Acq: 20 Jan 2023 18:10

Instrument :

MSVOA_Y

ClientSampleId :

B-P-35A

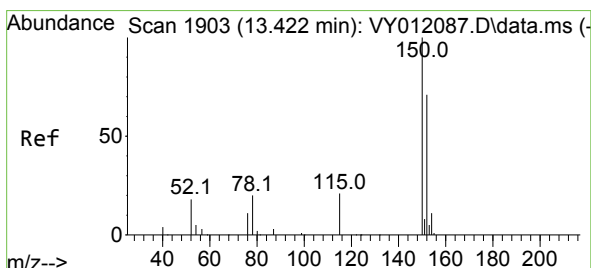
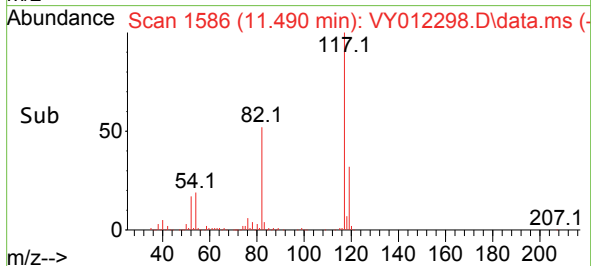
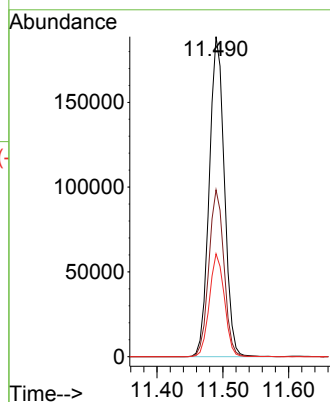
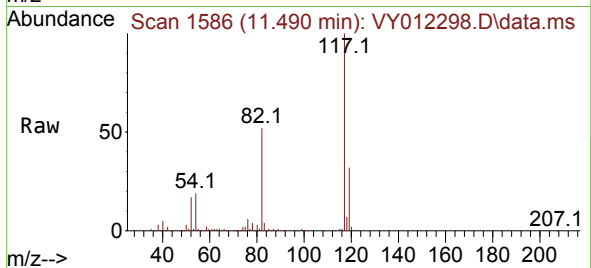
Tgt Ion:117 Resp: 302134

Ion Ratio Lower Upper

117 100

82 52.2 44.8 67.2

119 32.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012298.D

Acq: 20 Jan 2023 18:10

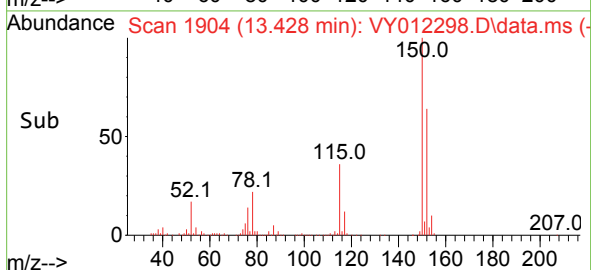
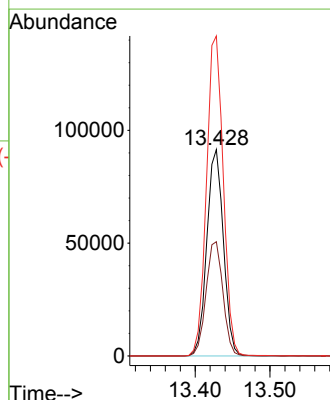
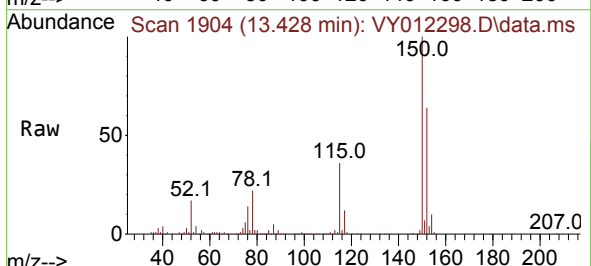
Tgt Ion:152 Resp: 140878

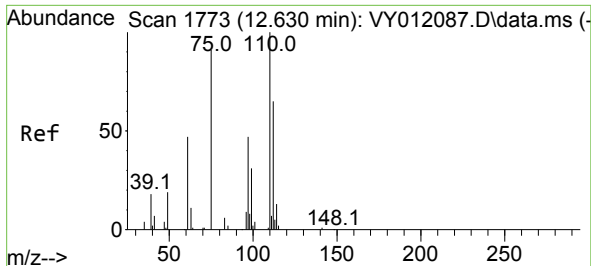
Ion Ratio Lower Upper

152 100

115 56.4 29.1 87.3

150 157.0 0.0 342.6

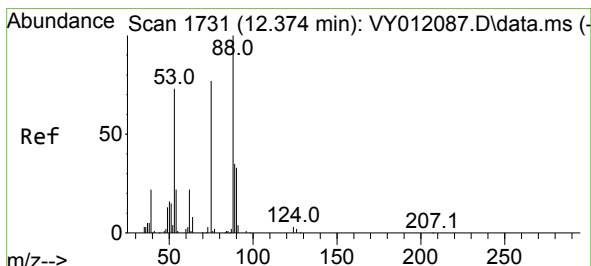
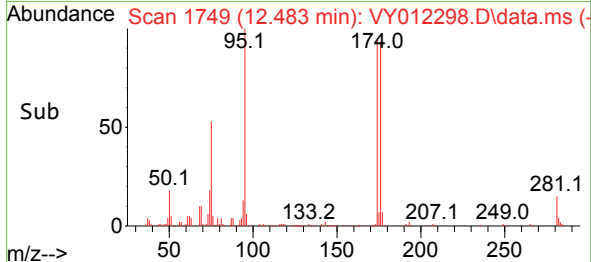
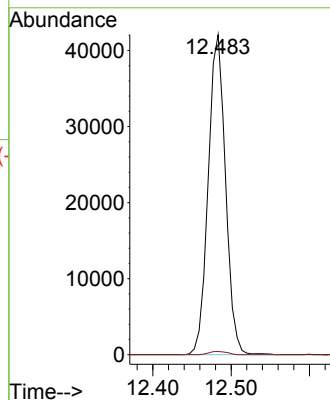
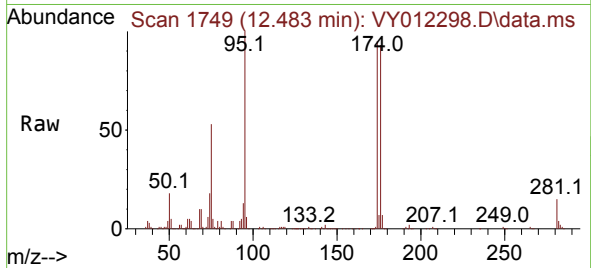




#76
1,2,3-Trichloropropane
Concen: 49.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Instrument :
MSVOA_Y
ClientSampleId :
B-P-35A

Tgt Ion: 75 Resp: 64445
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.503 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012298.D
Acq: 20 Jan 2023 18:10

Tgt Ion: 75 Resp: 64445
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#

