

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012978.D
 Acq On : 16 Mar 2023 18:16
 Operator : KP/MD
 Sample : 01964-07
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MAPLE-5

Quant Time: Mar 17 01:39:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

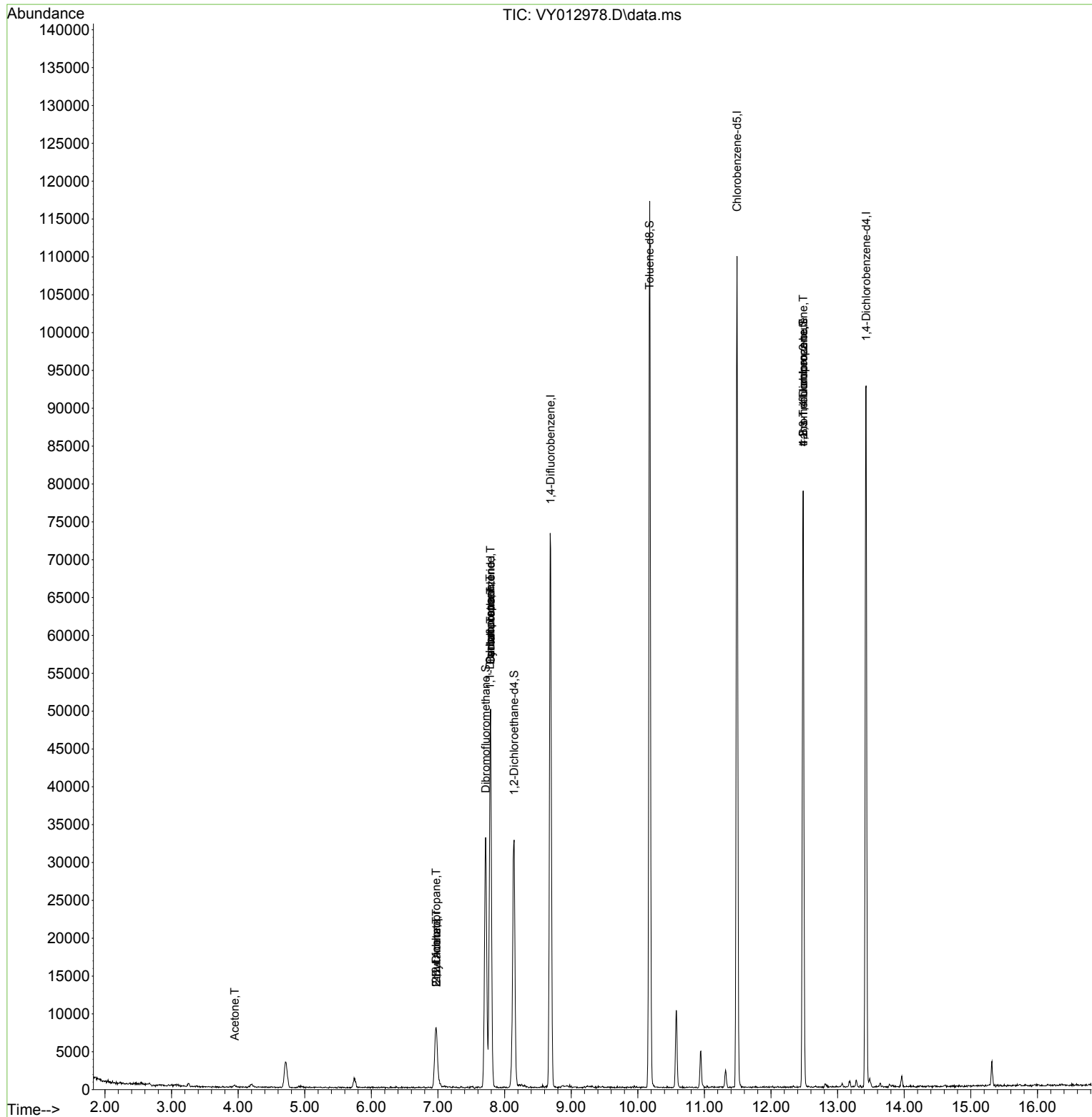
Internal Standards						
1) Pentafluorobenzene	7.789	168	37697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	62586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	57361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	25599	68.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.780%			
35) Dibromofluoromethane	7.715	113	23023	60.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.900%			
50) Toluene-d8	10.178	98	74841	54.201	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.400%			
62) 4-Bromofluorobenzene	12.483	95	21492	46.114	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.220%			
Target Compounds						
11) Tert butyl alcohol	4.942	59	191	Below Cal	#	74
16) Acetone	3.948	43	522	3.553	ug/l #	44
25) 2-Butanone	6.978	43	534	2.935	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	688	1.044	ug/l #	52
31) Cyclohexane	7.789	56	748	1.044	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	3008	4.752	ug/l #	49
37) Ethyl Acetate	6.978	43	534	1.339	ug/l #	14
38) Carbon Tetrachloride	7.789	117	3740	5.722	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	11345	38.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11345	79.652	ug/l #	13

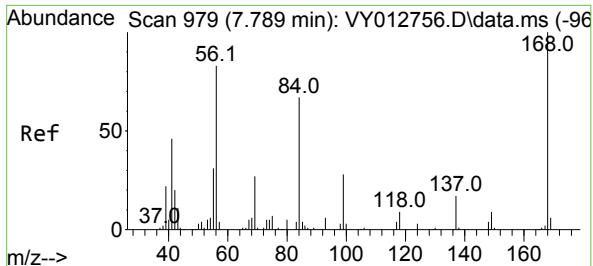
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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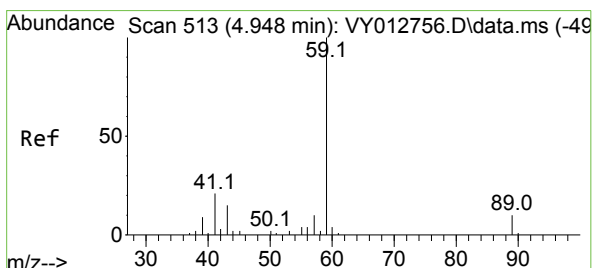
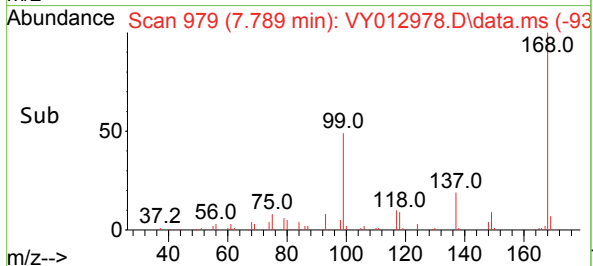
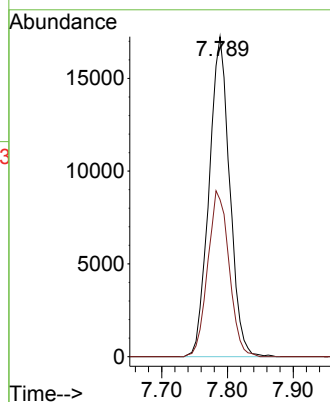
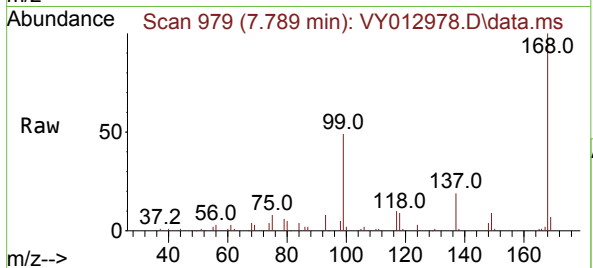




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

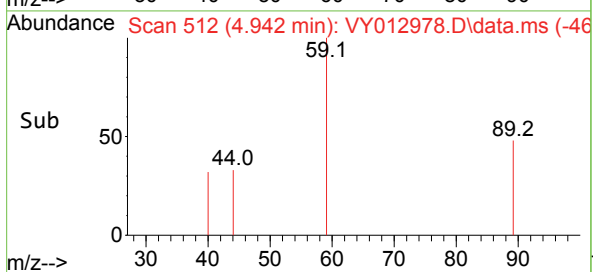
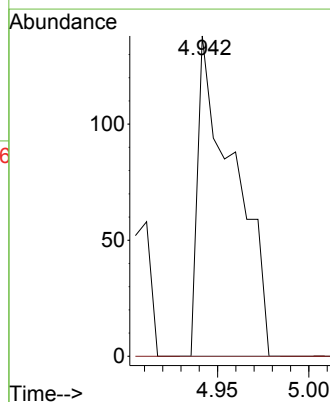
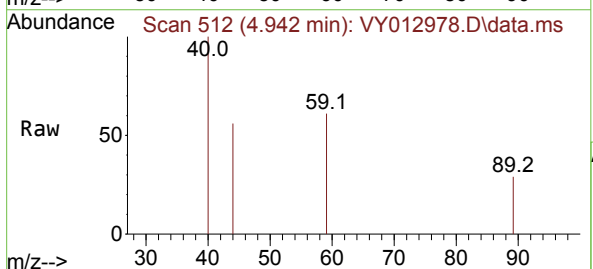
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-5

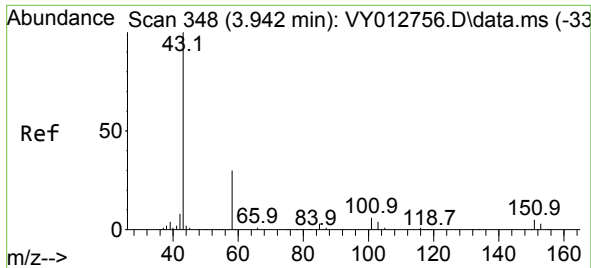
Tgt Ion:168 Resp: 37697
Ion Ratio Lower Upper
168 100
99 49.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 3.553 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012978.D

Acq: 16 Mar 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

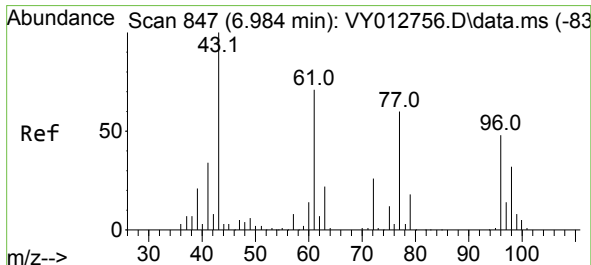
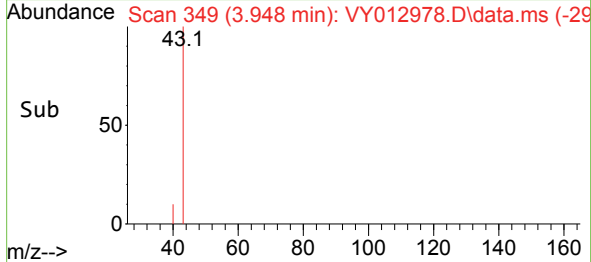
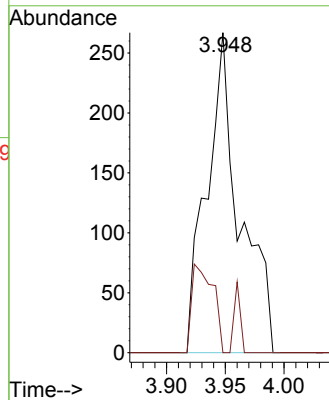
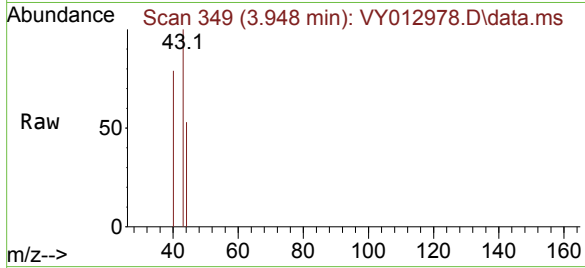
MAPLE-5

Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#25

2-Butanone

Concen: 2.935 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY012978.D

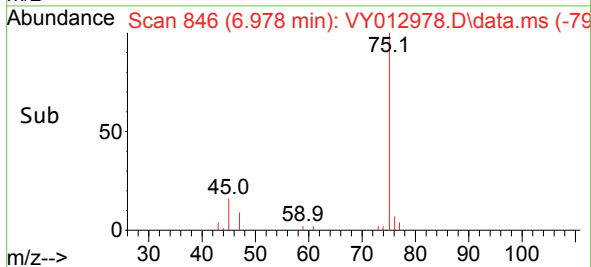
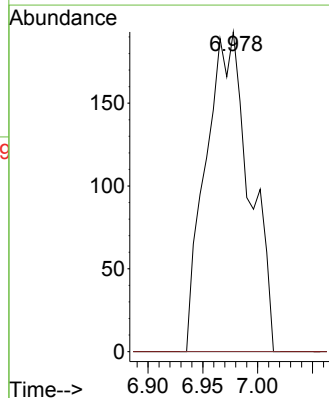
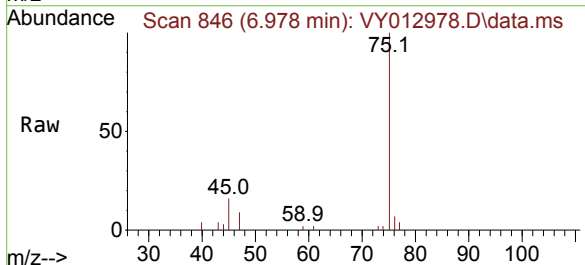
Acq: 16 Mar 2023 18:16

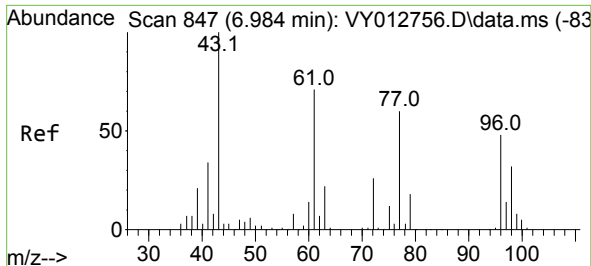
Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

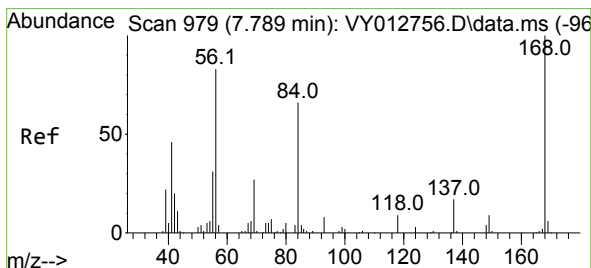
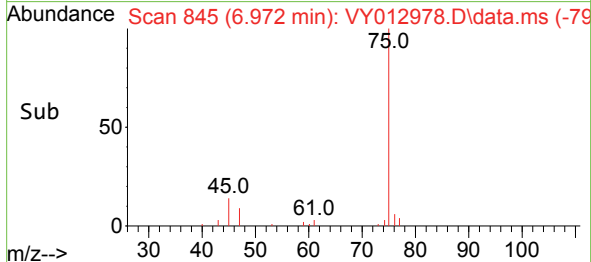
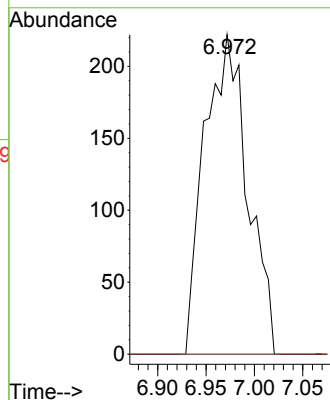
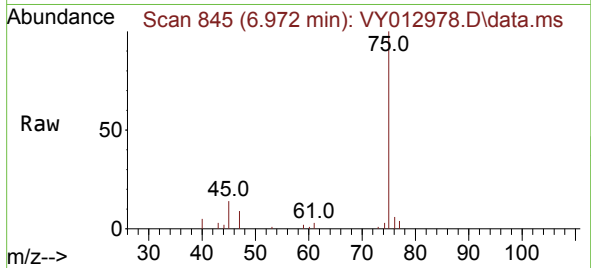




#26
2,2-Dichloropropane
Concen: 1.044 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

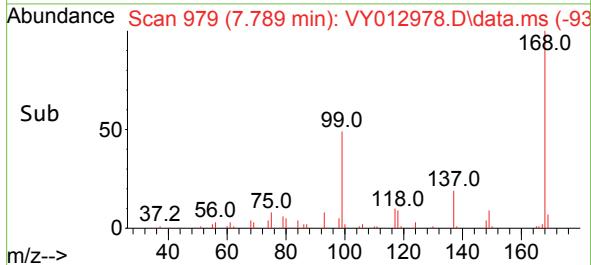
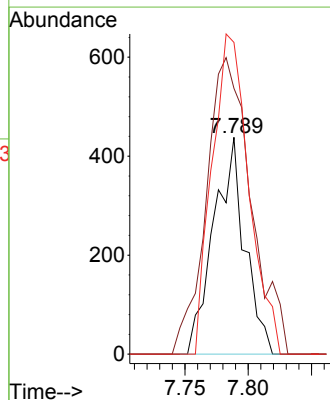
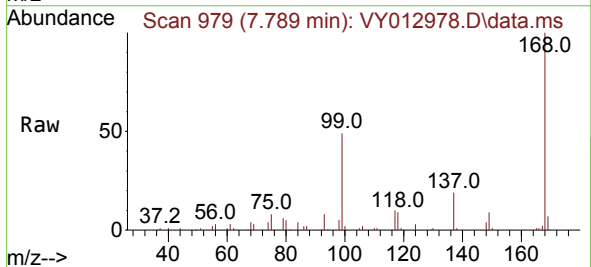
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-5

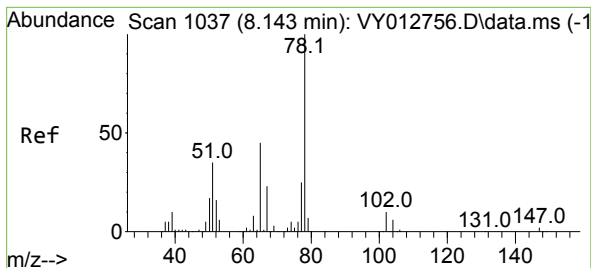
Tgt Ion: 77 Resp: 688
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion: 56 Resp: 748
Ion Ratio Lower Upper
56 100
69 110.5 25.7 38.5#
84 143.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 68.395 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012978.D

Acq: 16 Mar 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

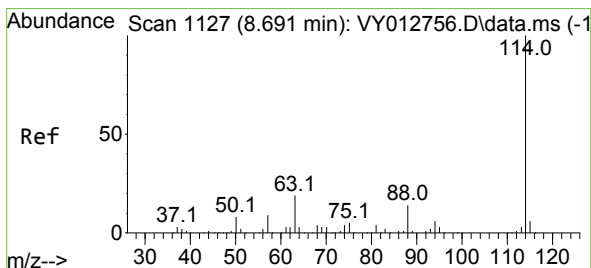
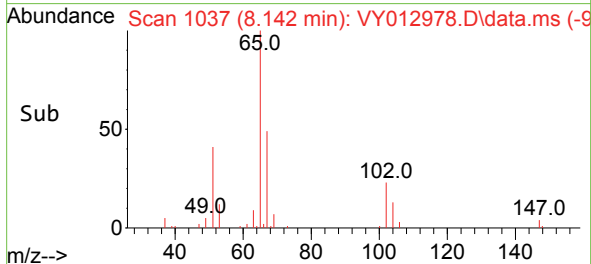
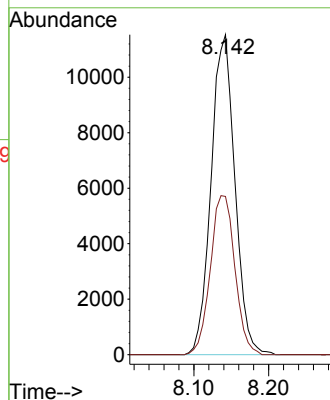
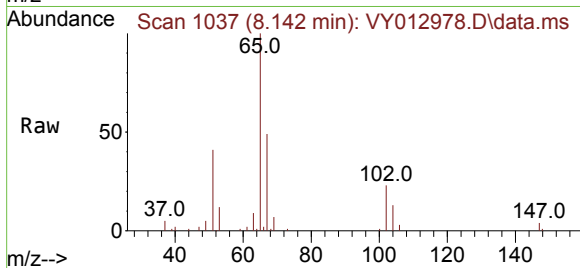
MAPLE-5

Tgt Ion: 65 Resp: 25599

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012978.D

Acq: 16 Mar 2023 18:16

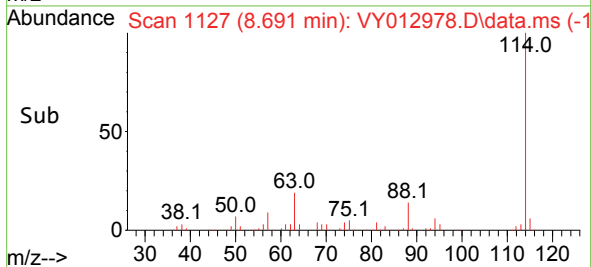
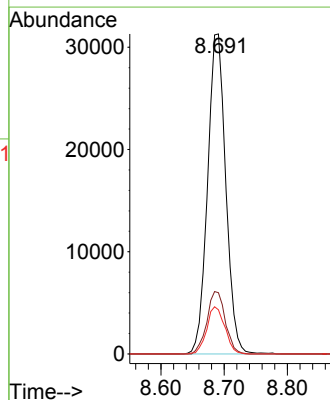
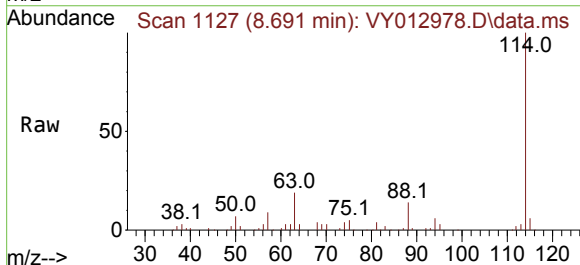
Tgt Ion: 114 Resp: 62586

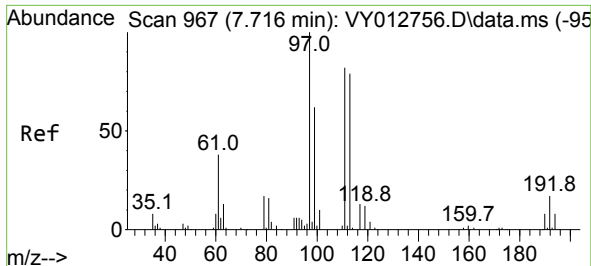
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 13.8 0.0 28.6

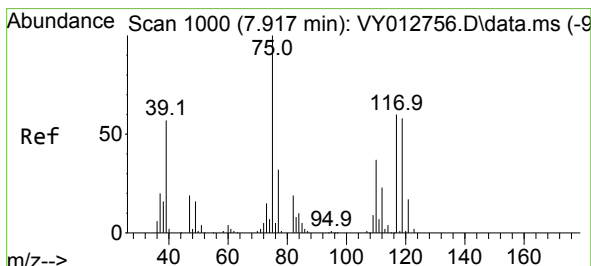
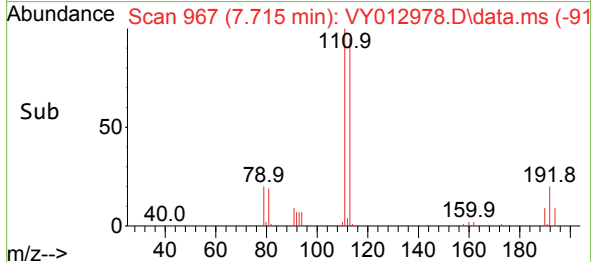
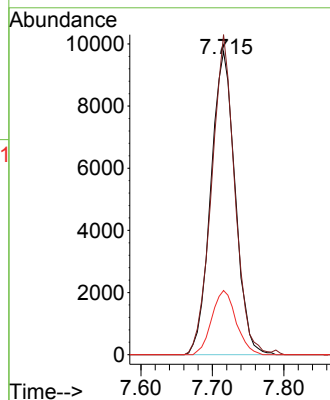
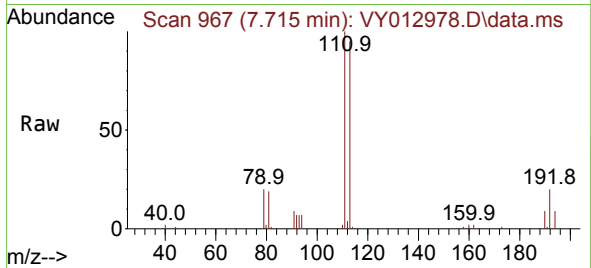




#35
Dibromofluoromethane
Concen: 60.955 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

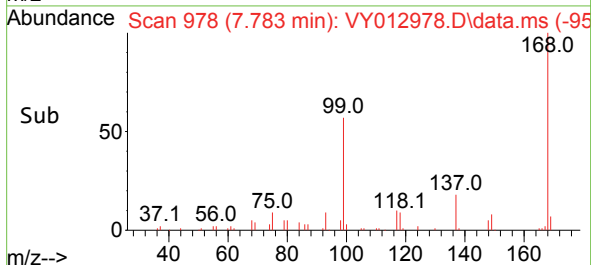
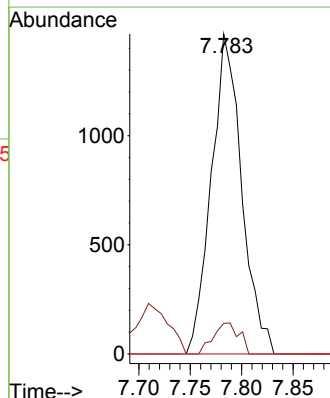
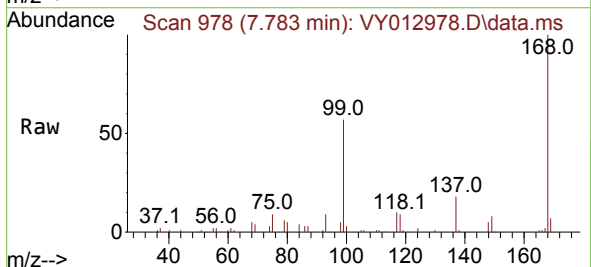
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-5

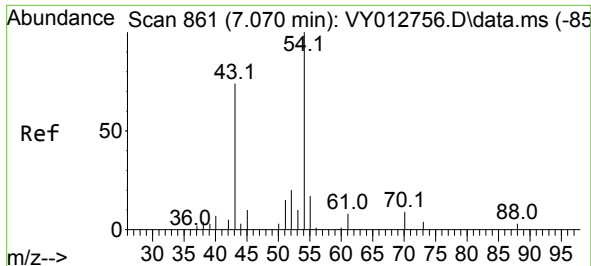
Tgt Ion:113 Resp: 23023
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.2
192 21.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion: 75 Resp: 3008
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.339 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY012978.D

Acq: 16 Mar 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

MAPLE-5

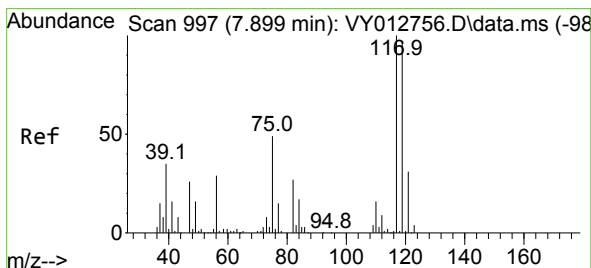
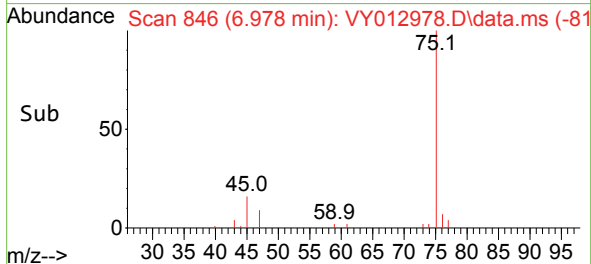
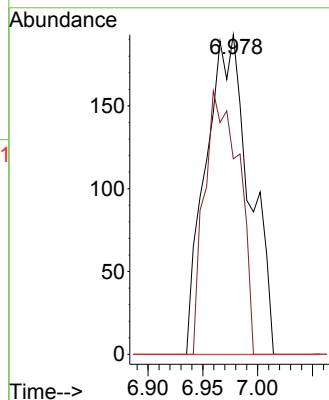
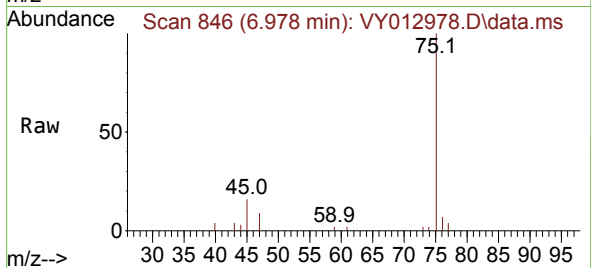
Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

61 65.2 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012978.D

Acq: 16 Mar 2023 18:16

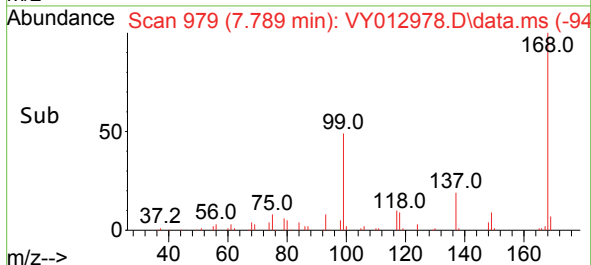
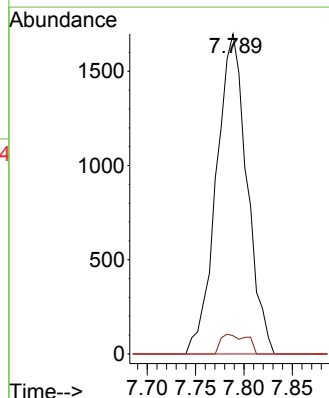
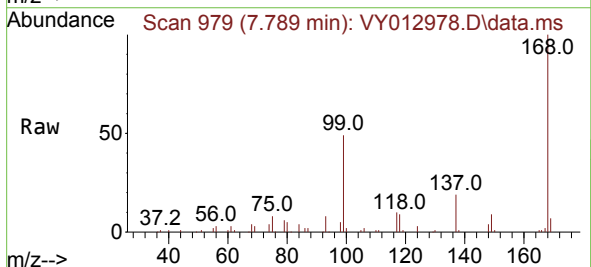
Tgt Ion:117 Resp: 3740

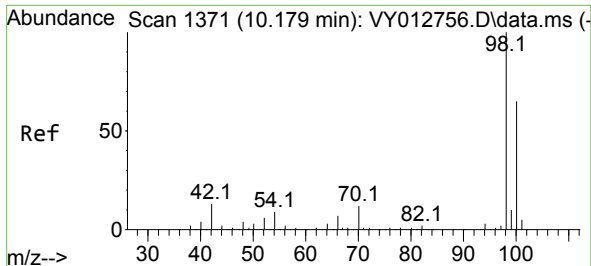
Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

121 0.0 24.7 37.1#

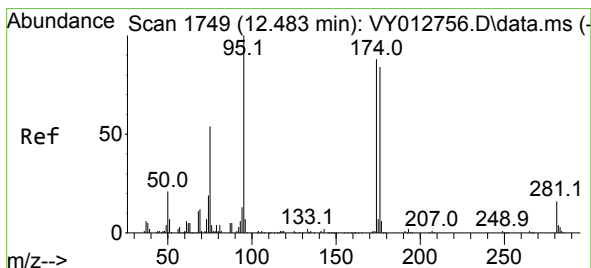
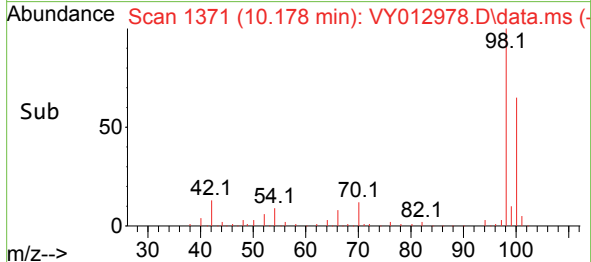
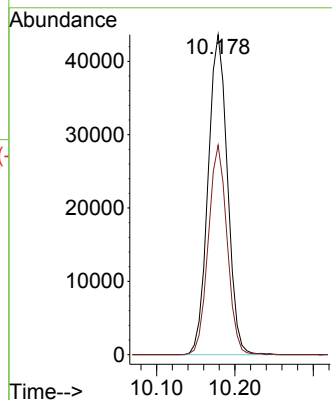
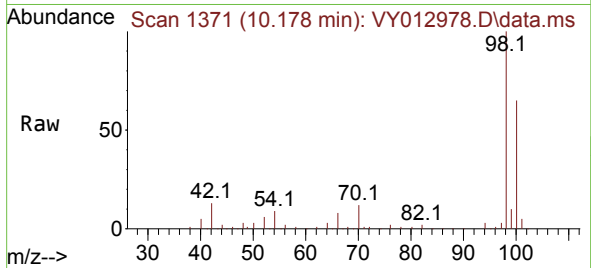




#50
Toluene-d8
Concen: 54.201 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

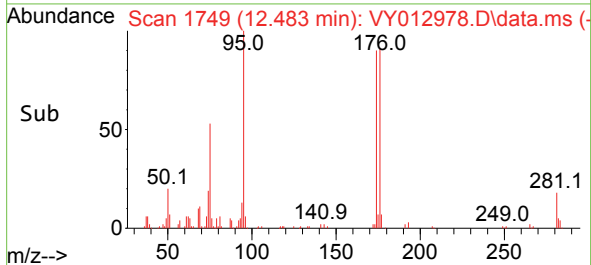
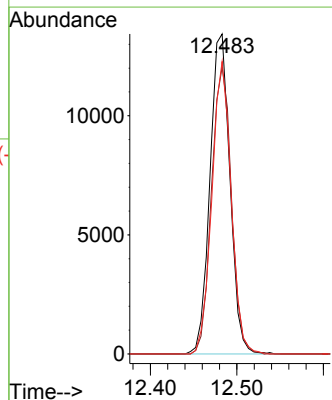
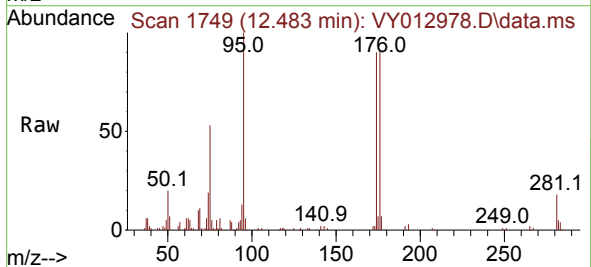
Instrument :
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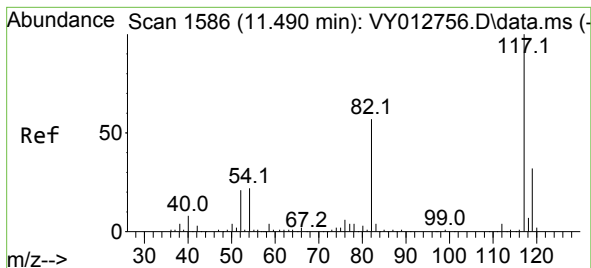
Tgt Ion: 98 Resp: 74841
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.114 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion: 95 Resp: 21492
Ion Ratio Lower Upper
95 100
174 89.5 0.0 176.6
176 88.3 0.0 170.2

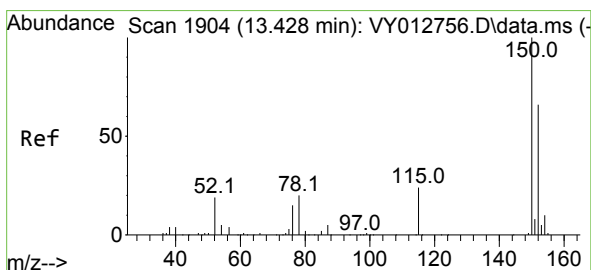
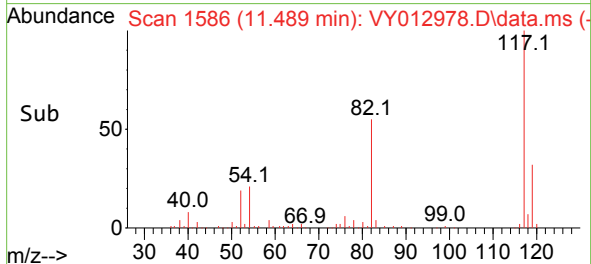
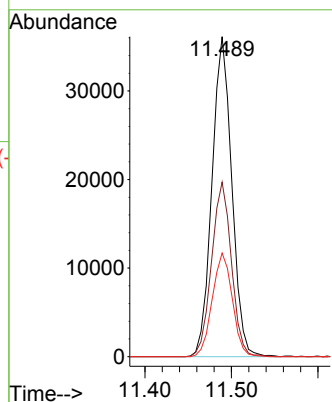
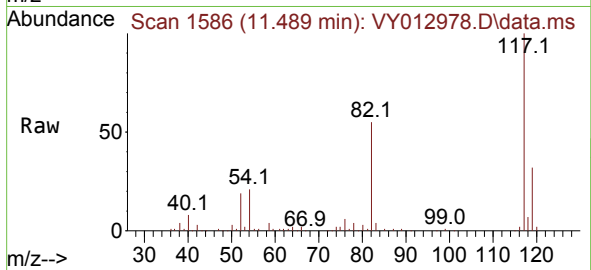




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

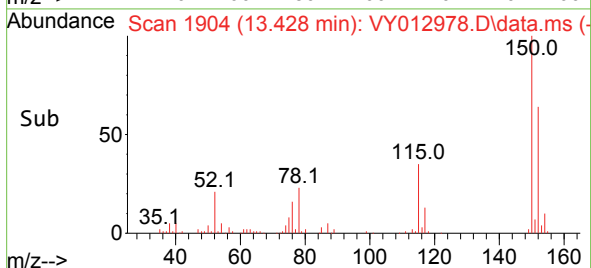
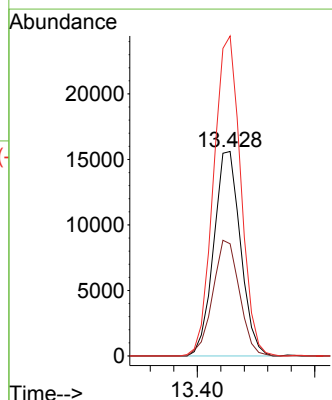
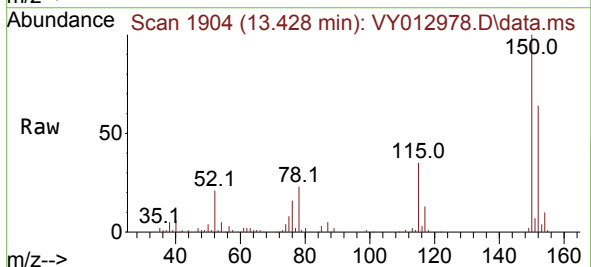
Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-5

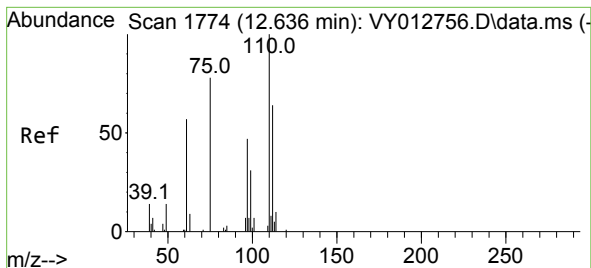
Tgt Ion:117 Resp: 57361
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion:152 Resp: 24714
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 158.2 0.0 347.8

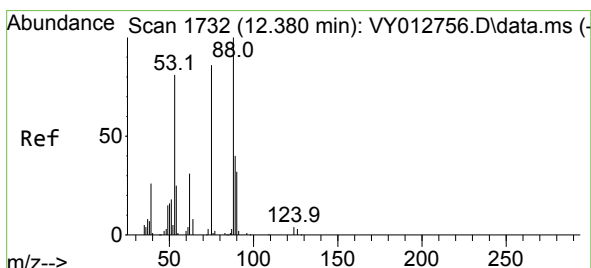
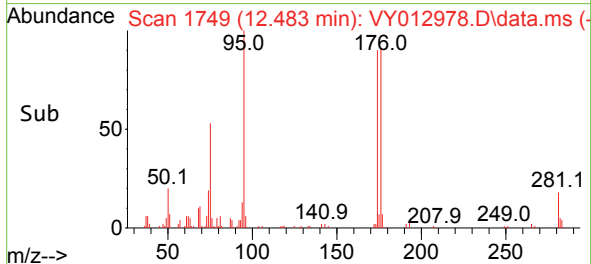
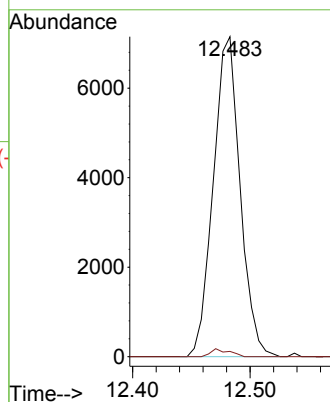
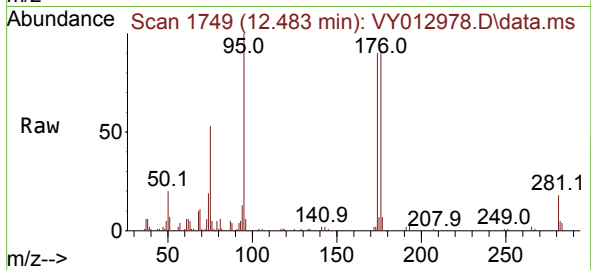




#76
1,2,3-Trichloropropane
Concen: 38.441 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :
MAPLE-5

Tgt Ion: 75 Resp: 11345
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.652 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012978.D
Acq: 16 Mar 2023 18:16

Tgt Ion: 75 Resp: 11345
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.2 36.6 55.0#

