

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012479.D
 Acq On : 03 Feb 2023 16:00
 Operator : KP/MD
 Sample : 01414-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:10:57 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)

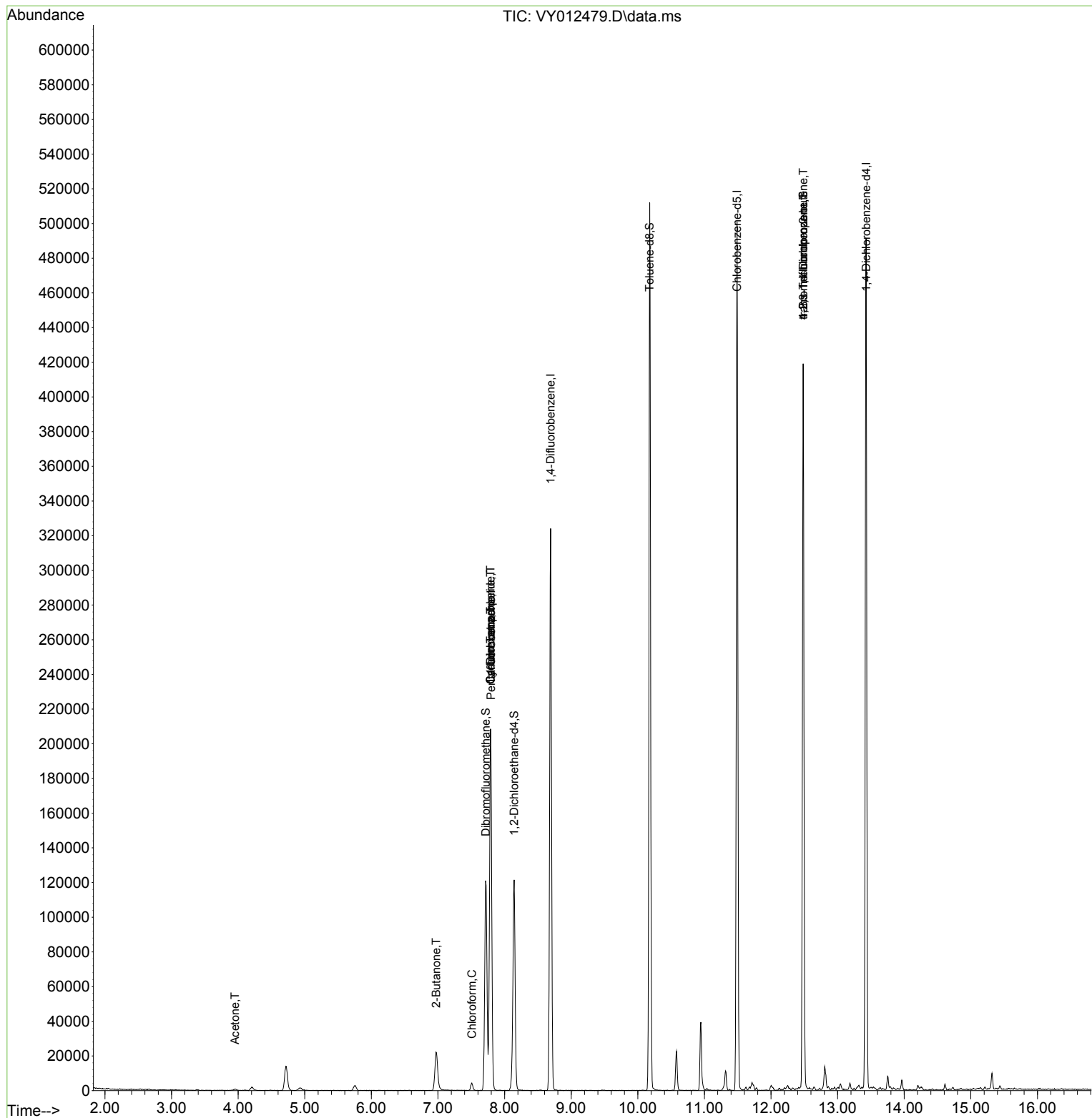
Internal Standards						
1) Pentafluorobenzene	7.795	168	167244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	277680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98171	72.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.180%	
35) Dibromofluoromethane	7.716	113	82658	54.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.780%	
50) Toluene-d8	10.179	98	335711	65.697	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.400%	
62) 4-Bromofluorobenzene	12.483	95	115210	54.268	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	1956	Below Cal	#	74
16) Acetone	3.954	43	1271	2.729	ug/l	97
20) Methylene Chloride	4.722	84	11853	Below Cal	#	90
25) 2-Butanone	6.972	43	1040	2.023	ug/l	# 79
30) Chloroform	7.509	83	4094	1.321	ug/l	93
31) Cyclohexane	7.789	56	2898	1.188	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	11590	4.528	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	16689	5.049	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	61253	49.686	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	61253	102.376	ug/l	# 13

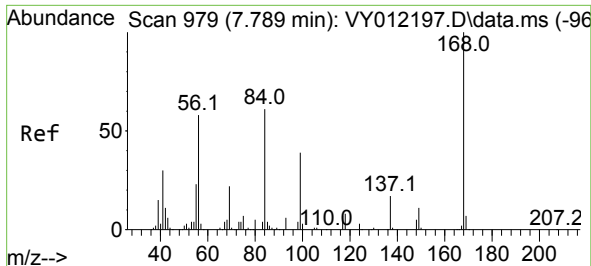
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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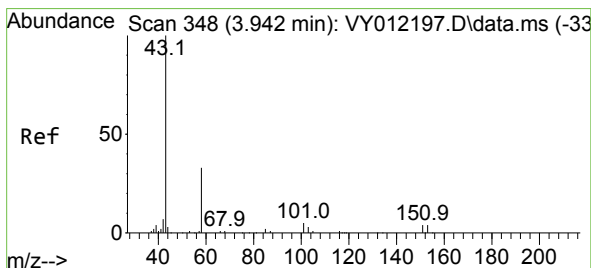
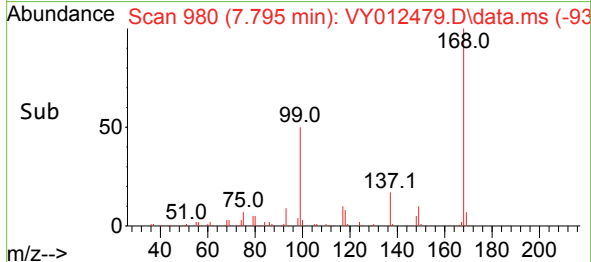
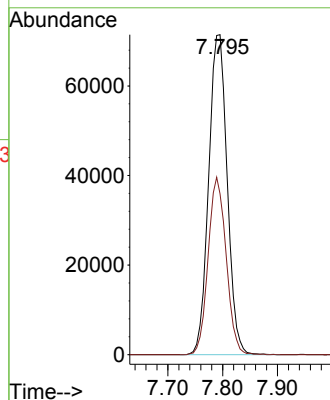
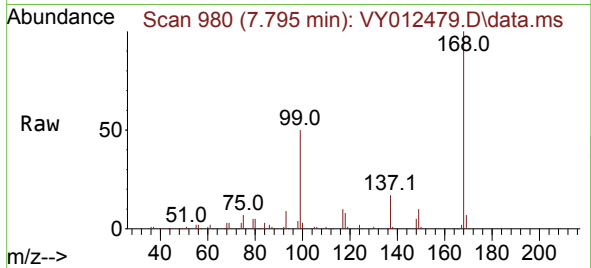




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

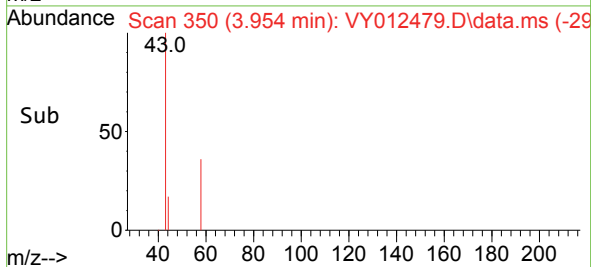
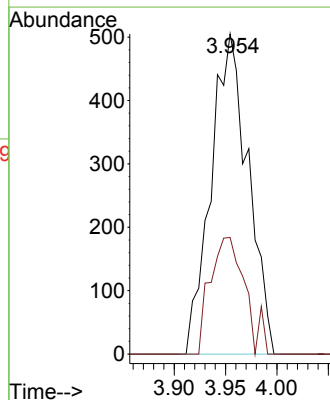
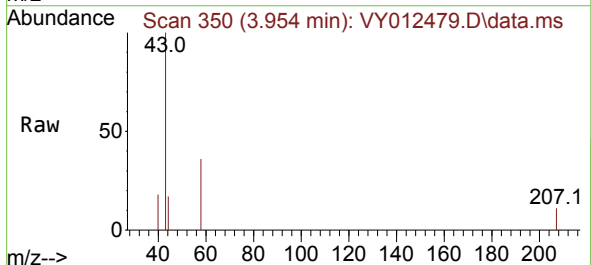
Instrument :
MSVOA_Y
ClientSampleId :

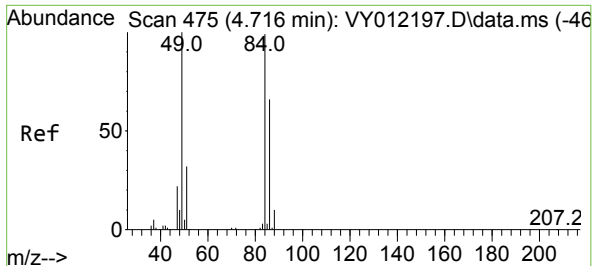
Tgt Ion:168 Resp: 167244
Ion Ratio Lower Upper
168 100
99 50.2 44.0 66.0



#16
Acetone
Concen: 2.729 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

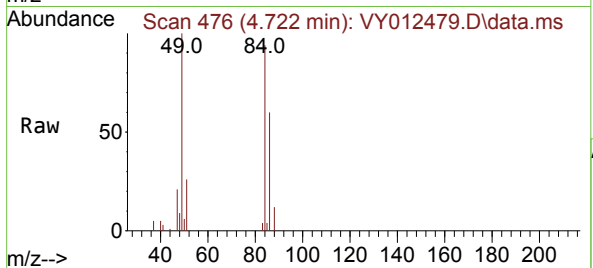
Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 36.4 27.9 41.9



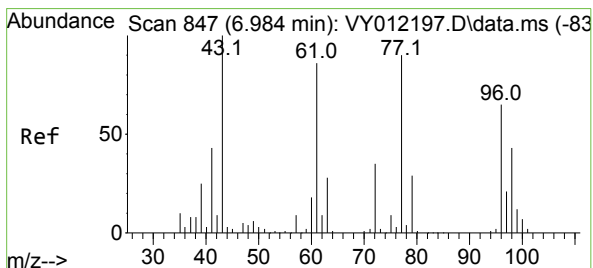
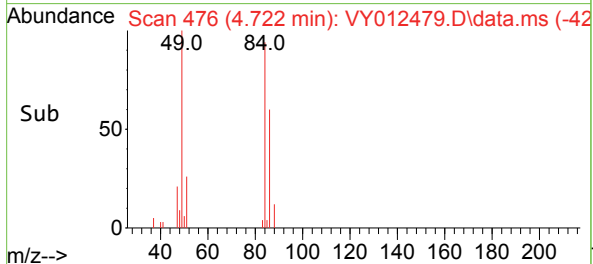
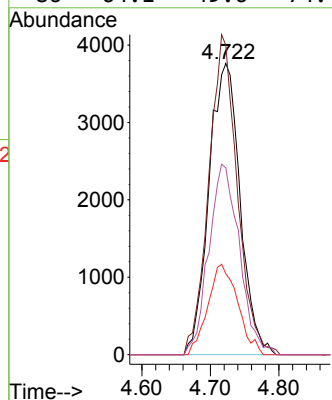


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :

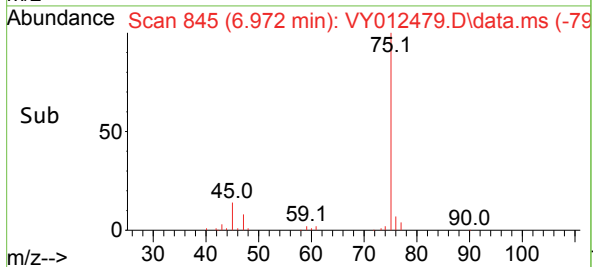
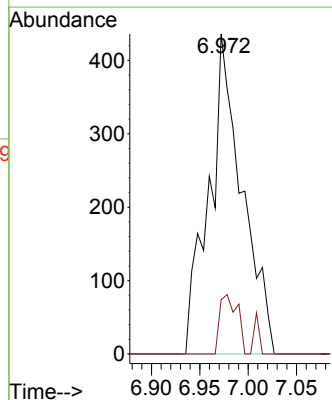
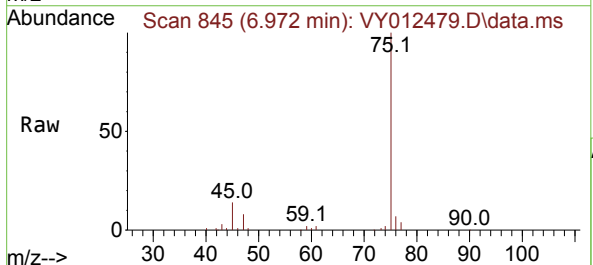


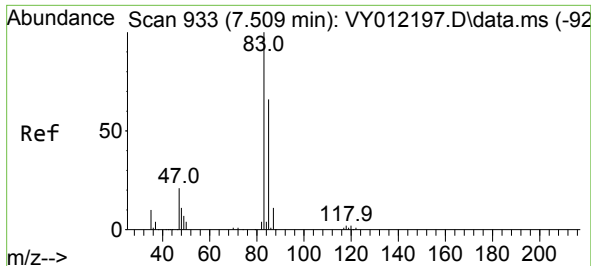
Tgt Ion: 84 Resp: 11853
Ion Ratio Lower Upper
84 100
49 106.2 95.4 143.2
51 27.8 29.9 44.9#
86 64.1 49.6 74.4



#25
2-Butanone
Concen: 2.023 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
72 17.0 22.6 34.0#





#30

Chloroform

Concen: 1.321 ug/l

RT: 7.509 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

Instrument :

MSVOA_Y

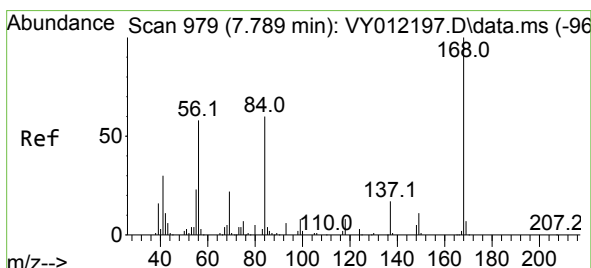
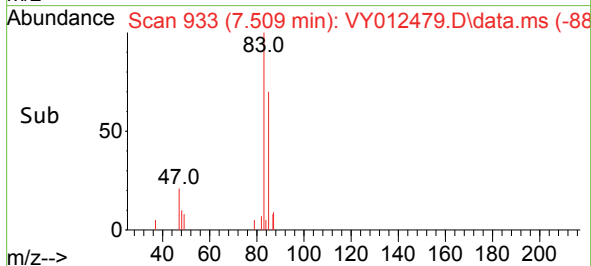
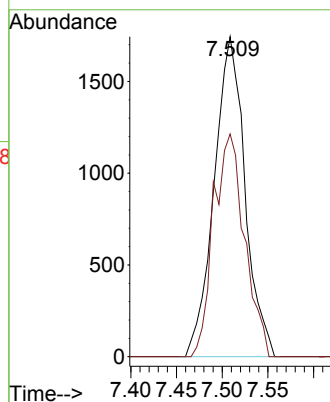
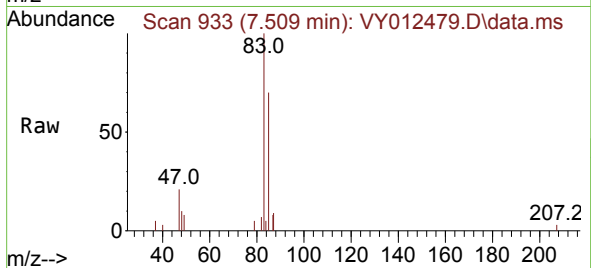
ClientSampleId :

Tgt Ion: 83 Resp: 4094

Ion Ratio Lower Upper

83 100

85 69.6 51.5 77.3



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

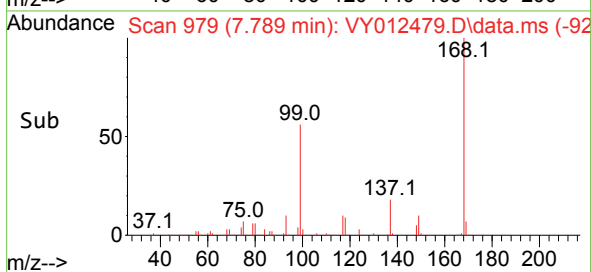
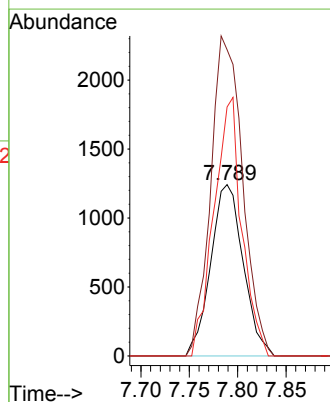
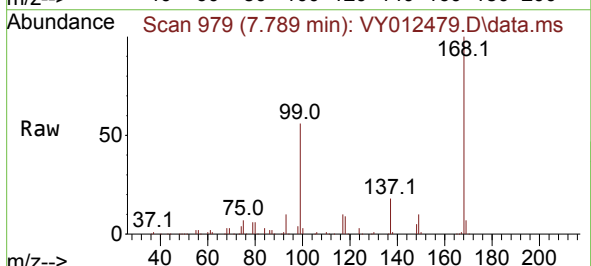
Tgt Ion: 56 Resp: 2898

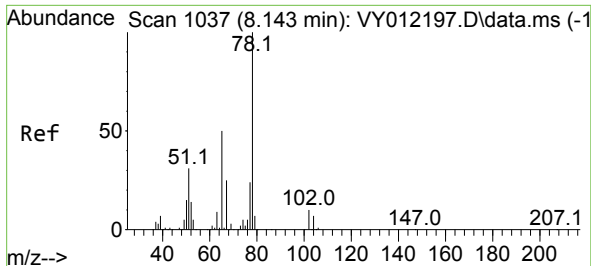
Ion Ratio Lower Upper

56 100

69 178.7 29.2 43.8#

84 145.3 72.6 108.8#

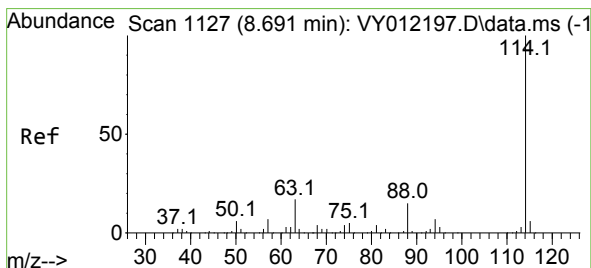
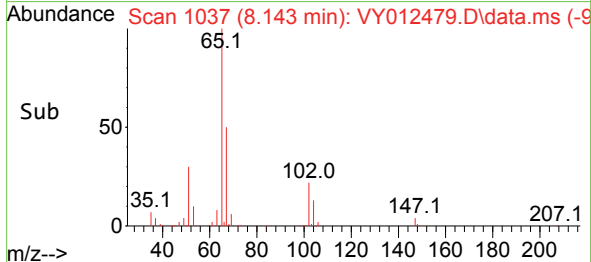
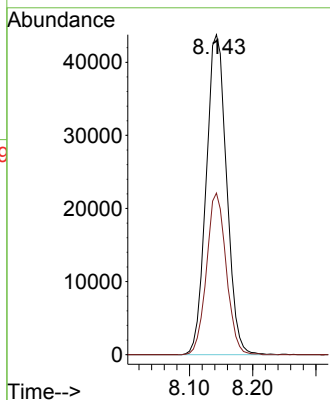
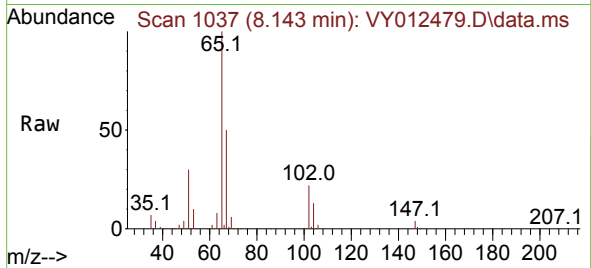




#33
 1,2-Dichloroethane-d4
 Concen: 72.594 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012479.D
 Acq: 03 Feb 2023 16:00

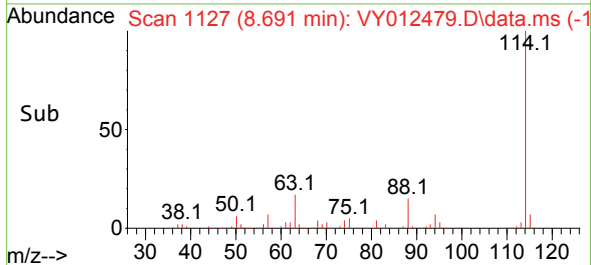
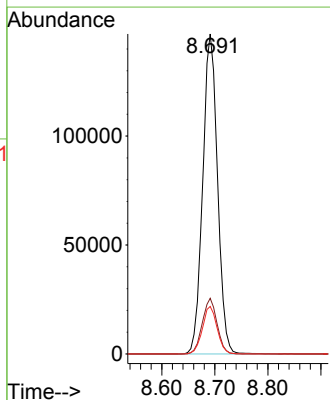
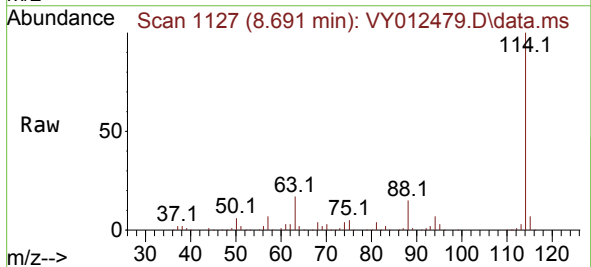
Instrument :
 MSVOA_Y
 ClientSampleId :

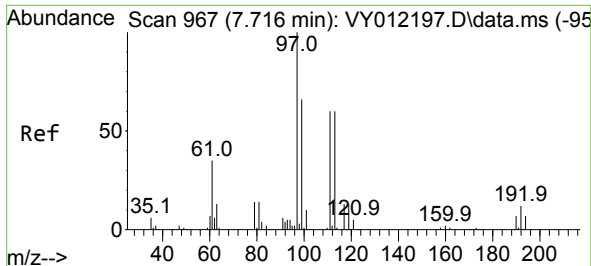
Tgt Ion: 65 Resp: 98171
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012479.D
 Acq: 03 Feb 2023 16:00

Tgt Ion: 114 Resp: 284417
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 39.6
 88 14.8 0.0 32.2

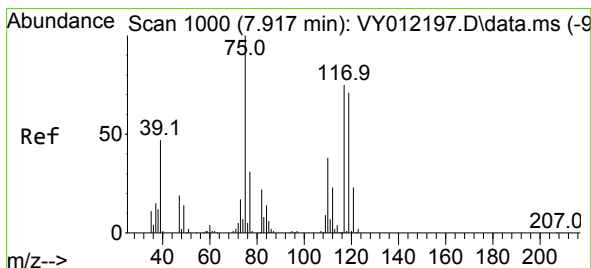
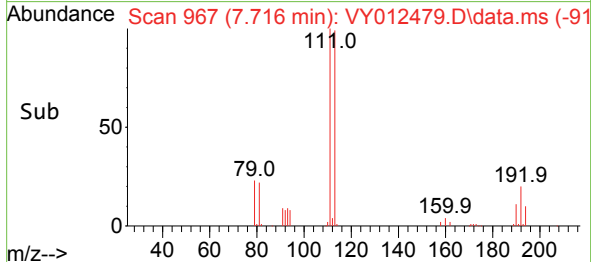
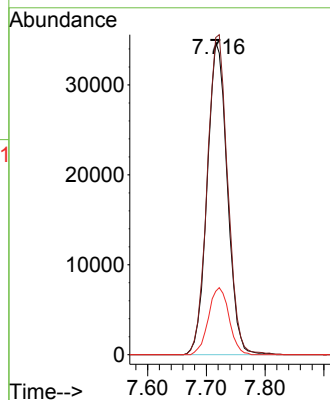
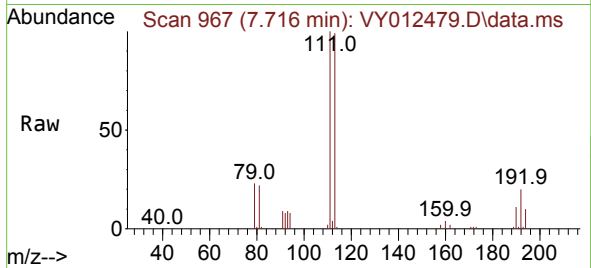




#35
Dibromofluoromethane
Concen: 54.886 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

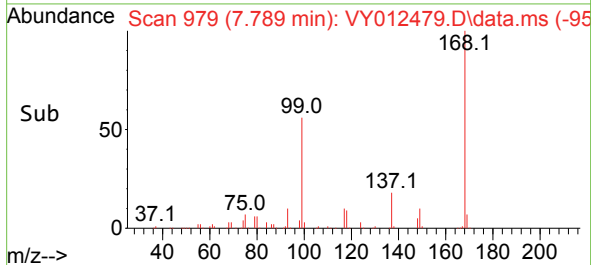
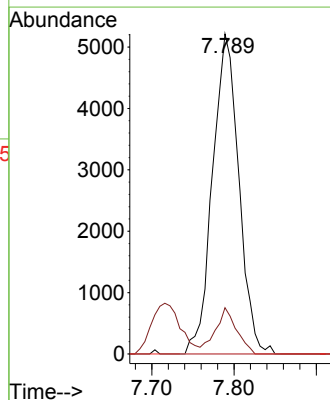
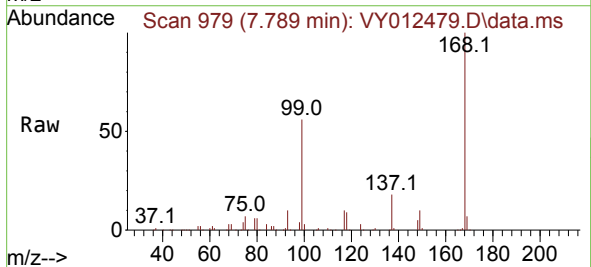
Instrument :
MSVOA_Y
ClientSampleId :

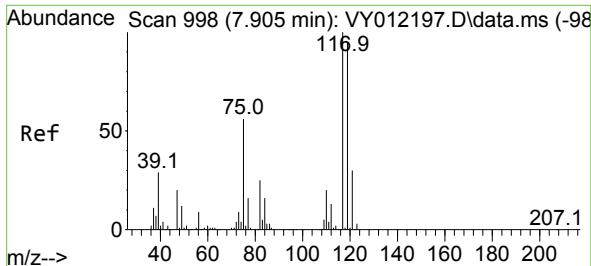
Tgt Ion:113 Resp: 82658
Ion Ratio Lower Upper
113 100
111 104.3 83.0 124.4
192 21.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

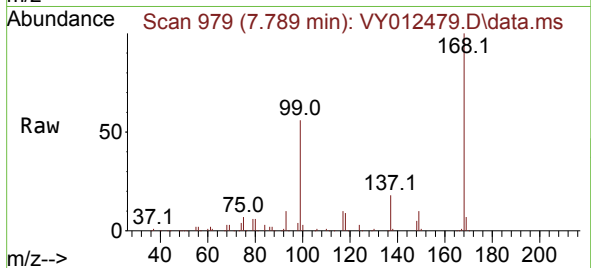
Tgt Ion: 75 Resp: 11590
Ion Ratio Lower Upper
75 100
110 11.6 18.1 54.1#
77 0.0 25.1 37.7#



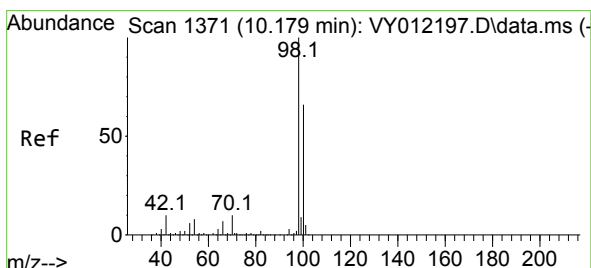
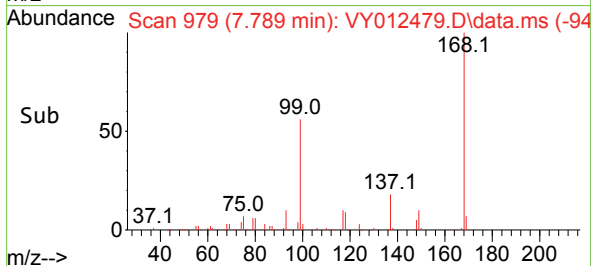
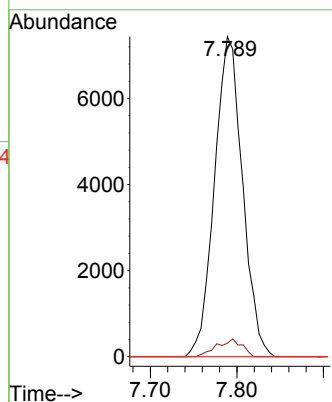


#38
Carbon Tetrachloride
Concen: 5.049 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :

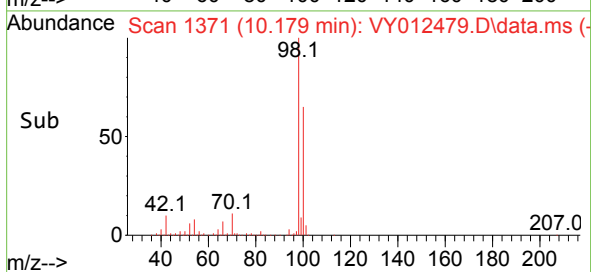
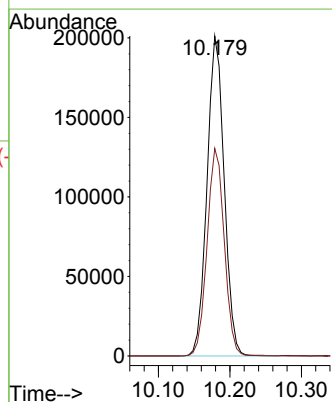
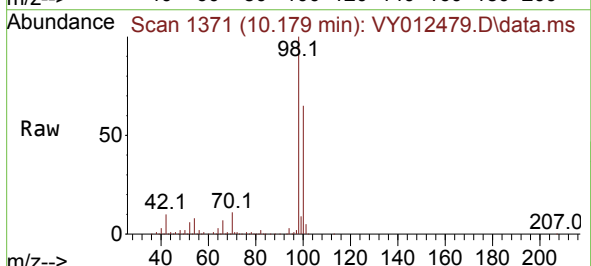


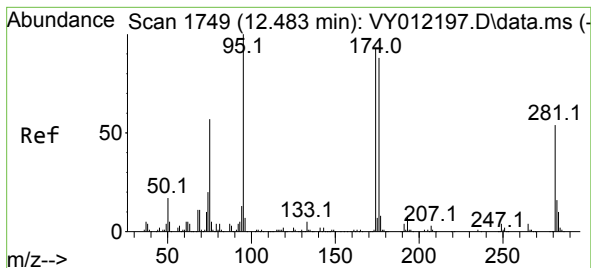
Tgt Ion:117 Resp: 16689
Ion Ratio Lower Upper
117 100
119 4.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.697 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012479.D
Acq: 03 Feb 2023 16:00

Tgt Ion: 98 Resp: 335711
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 54.268 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

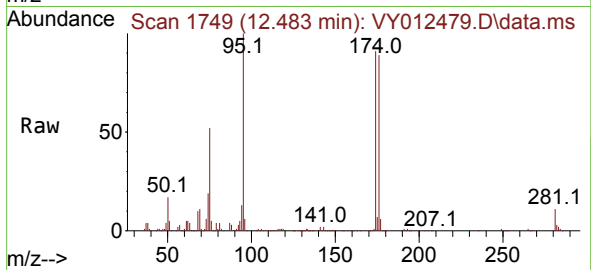
Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :



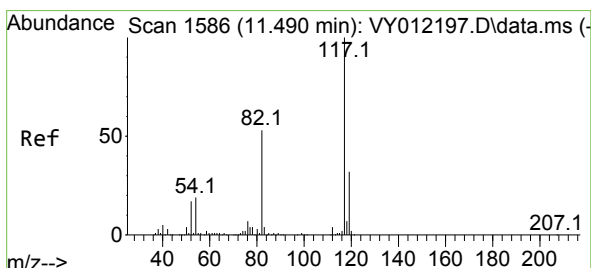
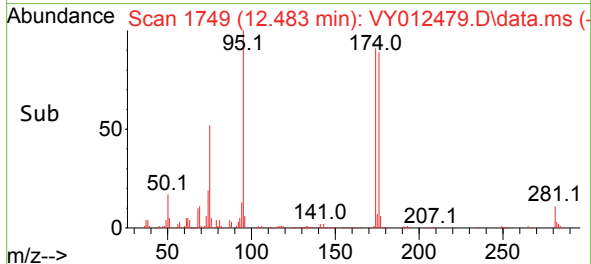
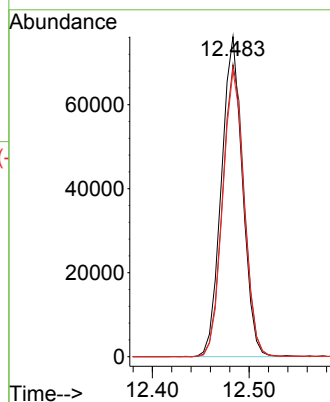
Tgt Ion: 95 Resp: 115210

Ion Ratio Lower Upper

95 100

174 93.8 0.0 172.0

176 90.5 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

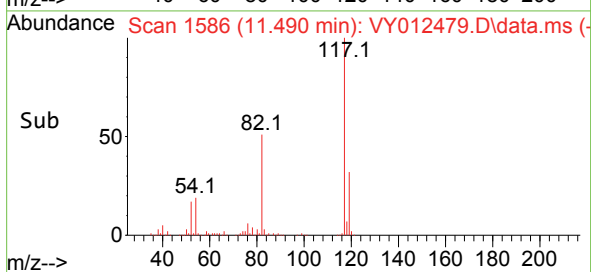
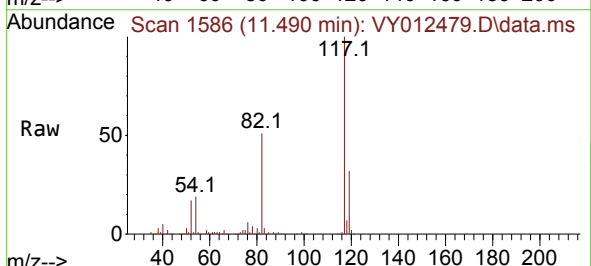
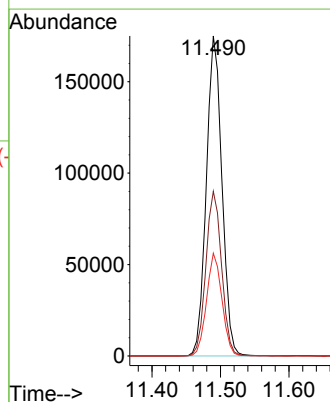
Tgt Ion: 117 Resp: 277680

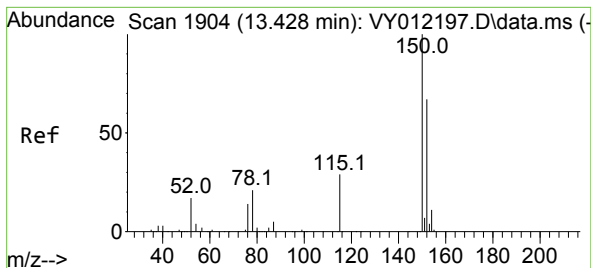
Ion Ratio Lower Upper

117 100

82 51.5 44.8 67.2

119 32.1 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

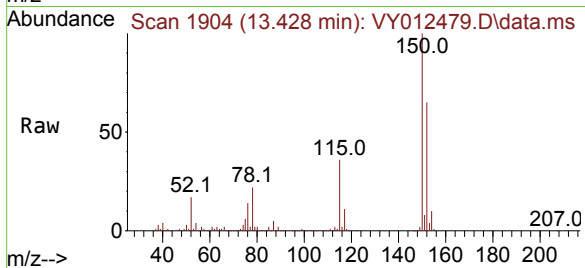
Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

Instrument :

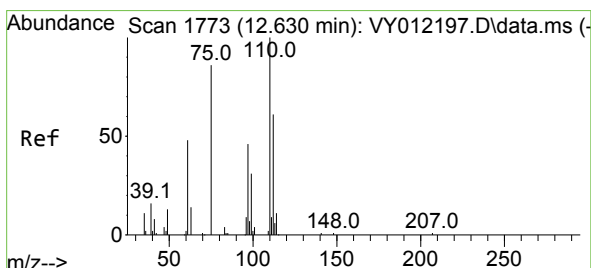
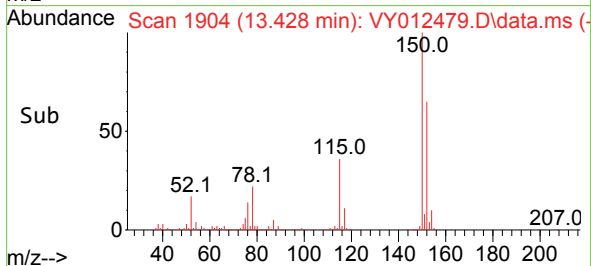
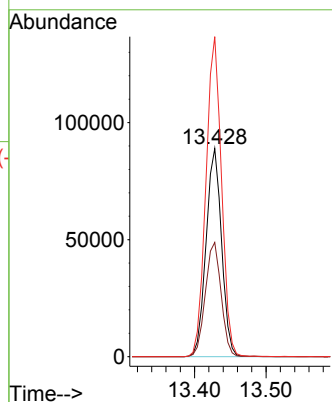
MSVOA_Y

ClientSampleId :



Tgt Ion:152 Resp: 134067

Ion	Ratio	Lower	Upper
152	100		
115	55.8	29.1	87.3
150	154.5	0.0	342.6



#76

1,2,3-Trichloropropane

Concen: 49.686 ug/l

RT: 12.483 min Scan# 1749

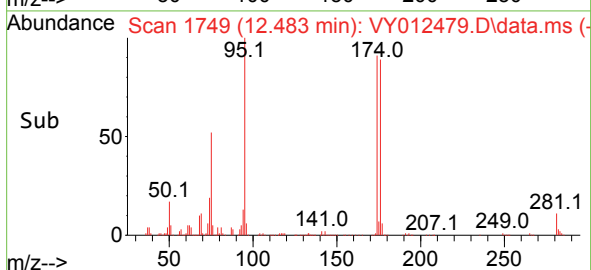
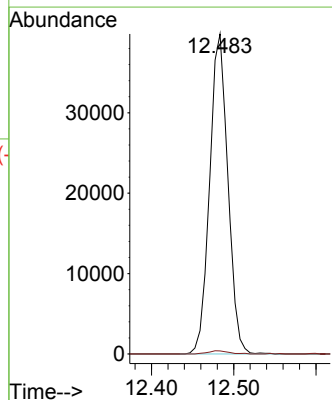
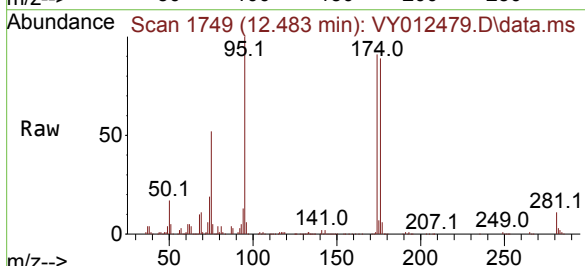
Delta R.T. -0.147 min

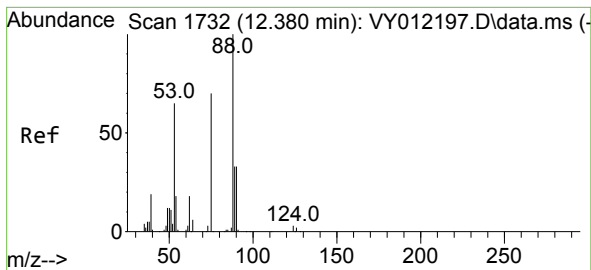
Lab File: VY012479.D

Acq: 03 Feb 2023 16:00

Tgt Ion: 75 Resp: 61253

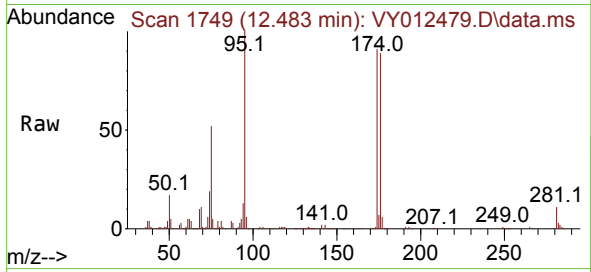
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.376 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012479.D
 Acq: 03 Feb 2023 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 61253
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

