

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012483.D
 Acq On : 03 Feb 2023 17:34
 Operator : KP/MD
 Sample : 01414-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:12:40 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)

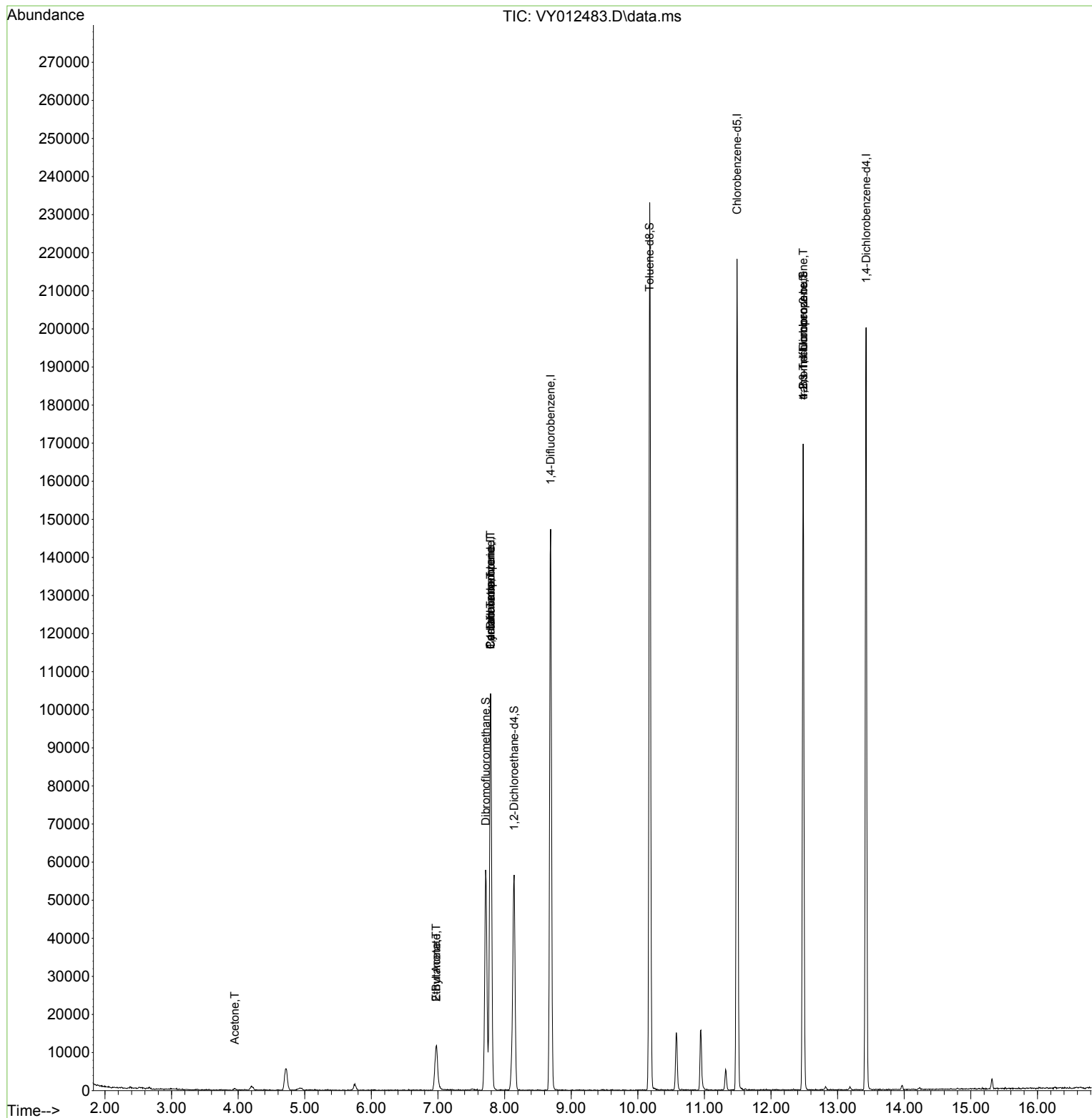
Internal Standards						
1) Pentafluorobenzene	7.789	168	83219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	126037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44300	65.436	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.880%	
35) Dibromofluoromethane	7.716	113	39118	55.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.180%	
50) Toluene-d8	10.179	98	158227	65.665	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.340%	
62) 4-Bromofluorobenzene	12.483	95	47175	47.125	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	448	Below Cal	#	74
16) Acetone	3.948	43	596	2.572	ug/l	99
20) Methylene Chloride	4.716	84	5207	Below Cal		87
25) 2-Butanone	6.972	43	553	2.162	ug/l	# 46
31) Cyclohexane	7.789	56	1427	1.176	ug/l	# 11
36) 1,1-Dichloropropene	7.789	75	5405	4.479	ug/l	# 52
37) Ethyl Acetate	6.972	43	553	1.039	ug/l	# 43
38) Carbon Tetrachloride	7.789	117	8040	5.158	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	24831	49.878	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	24831	102.770	ug/l	# 13

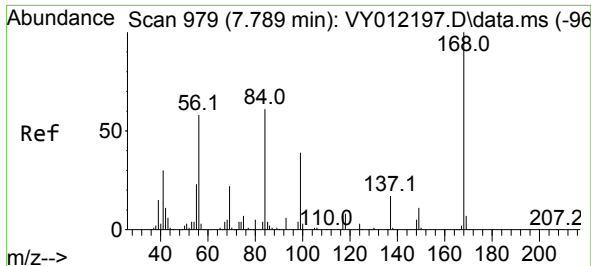
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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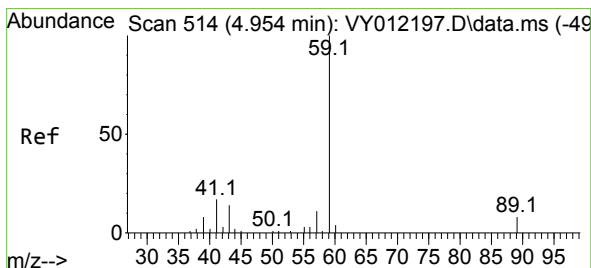
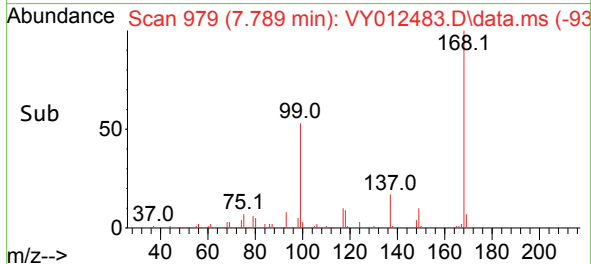
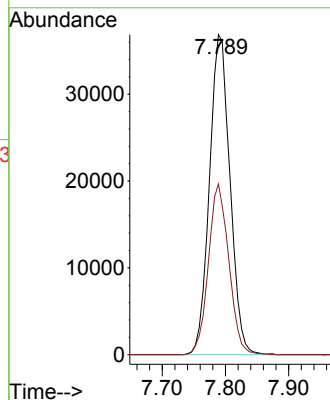
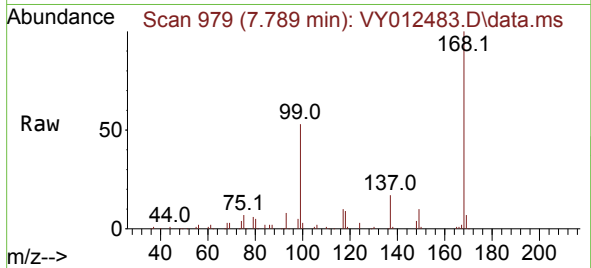




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

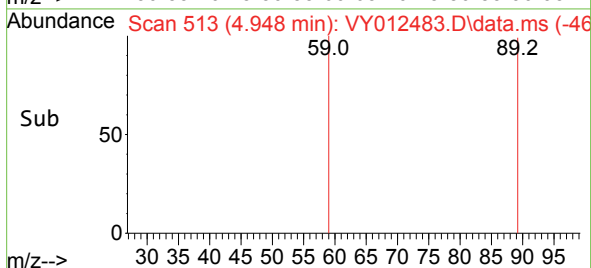
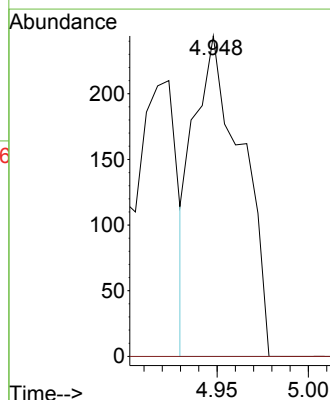
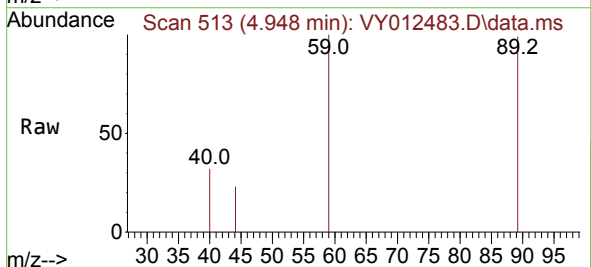
Instrument :
MSVOA_Y
ClientSampleId :

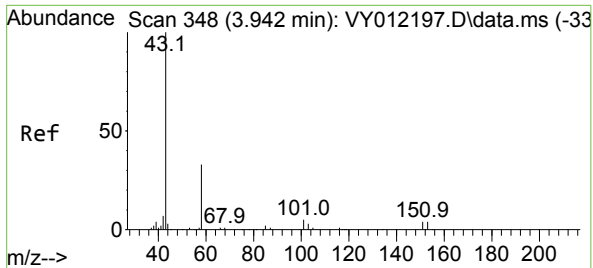
Tgt Ion:168 Resp: 83219
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 2.572 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

Instrument :

MSVOA_Y

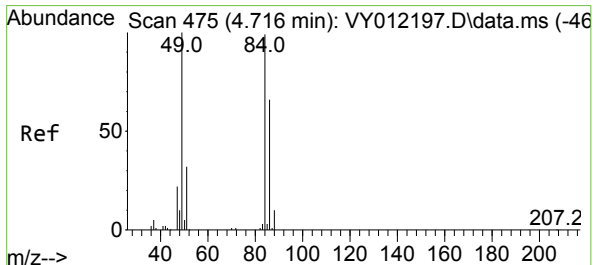
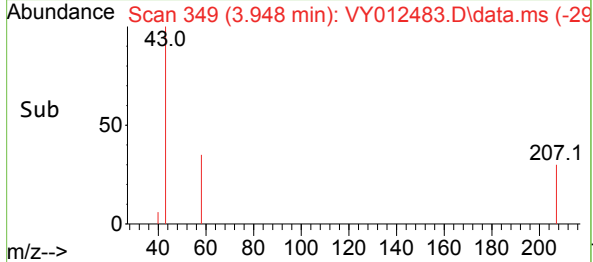
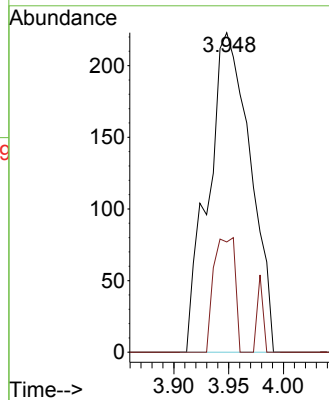
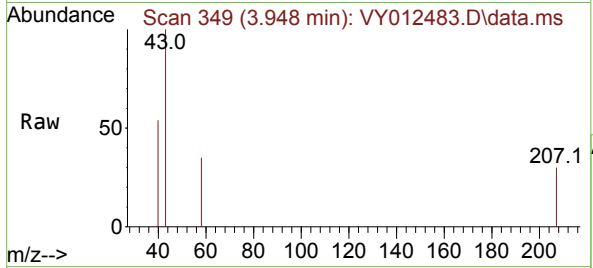
ClientSampleId :

Tgt Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 34.5 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

Tgt Ion: 84 Resp: 5207

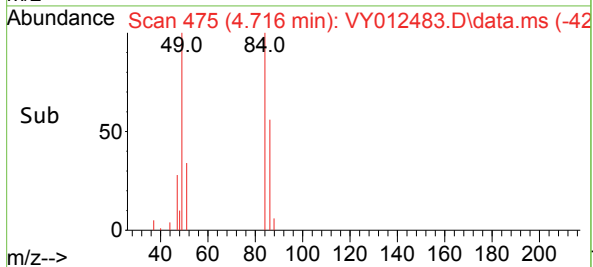
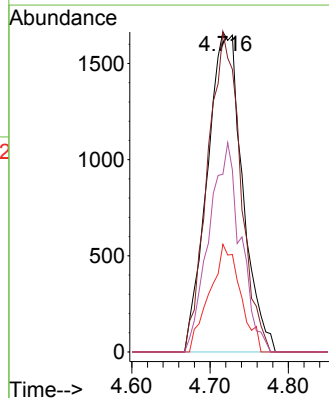
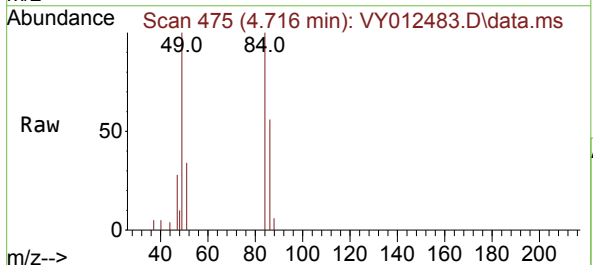
Ion Ratio Lower Upper

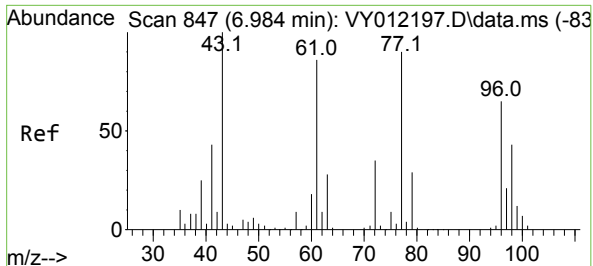
84 100

49 99.9 95.4 143.2

51 33.7 29.9 44.9

86 55.5 49.6 74.4





#25

2-Butanone

Concen: 2.162 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

Instrument :

MSVOA_Y

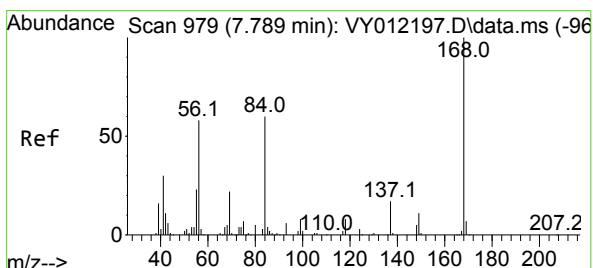
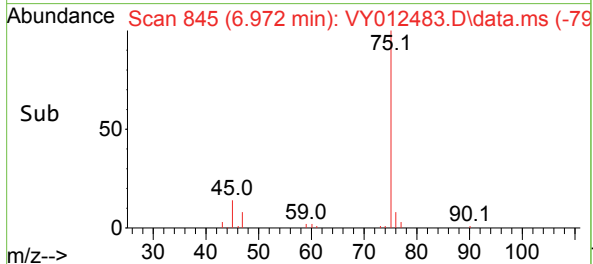
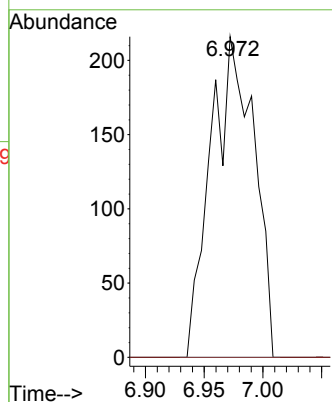
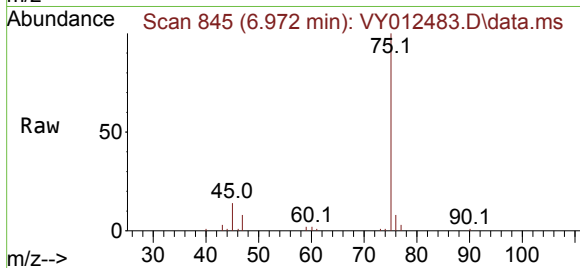
ClientSampleId :

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

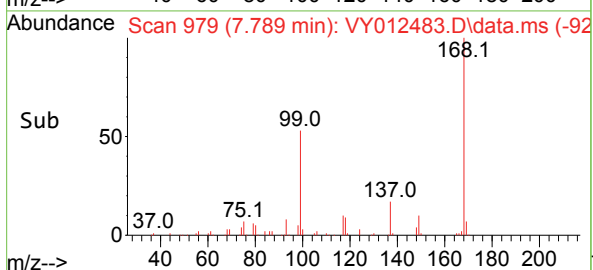
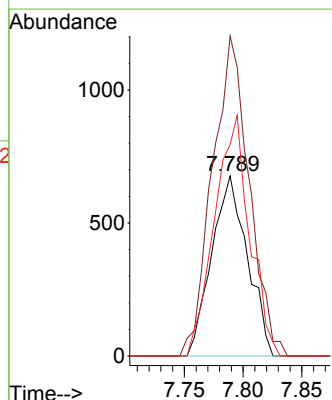
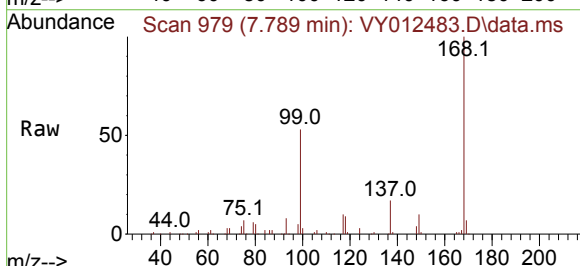
Tgt Ion: 56 Resp: 1427

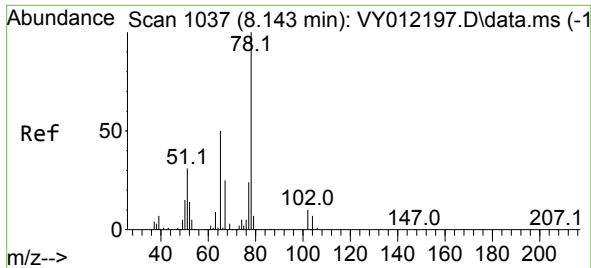
Ion Ratio Lower Upper

56 100

69 177.7 29.2 43.8#

84 117.4 72.6 108.8#

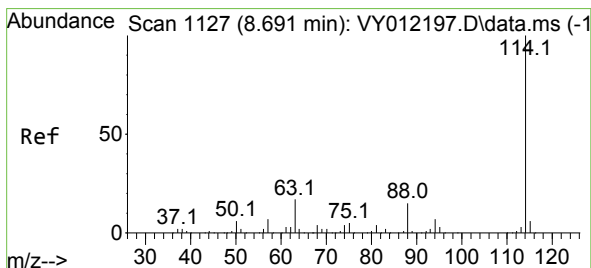
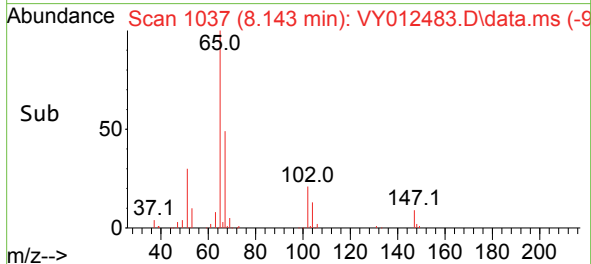
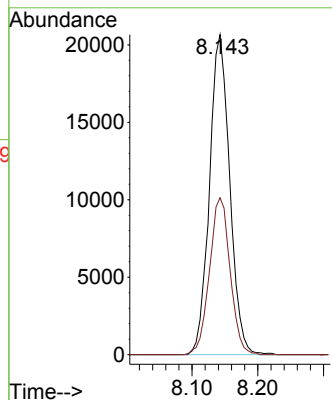
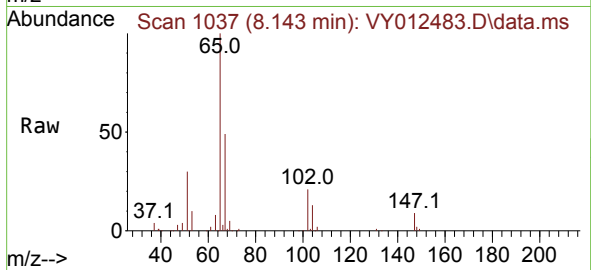




#33
 1,2-Dichloroethane-d4
 Concen: 65.436 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012483.D
 Acq: 03 Feb 2023 17:34

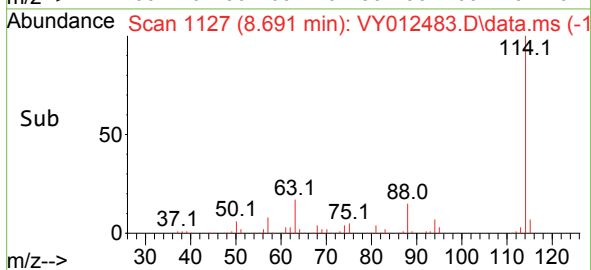
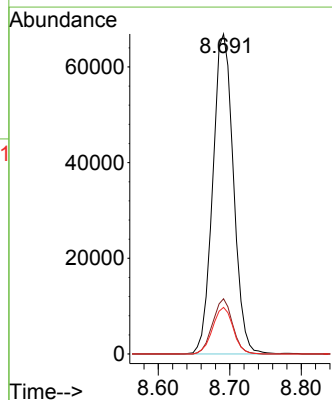
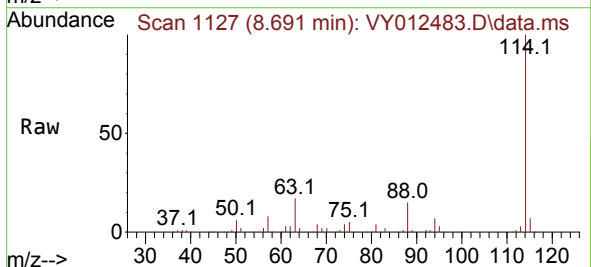
Instrument :
 MSVOA_Y
 ClientSampleId :

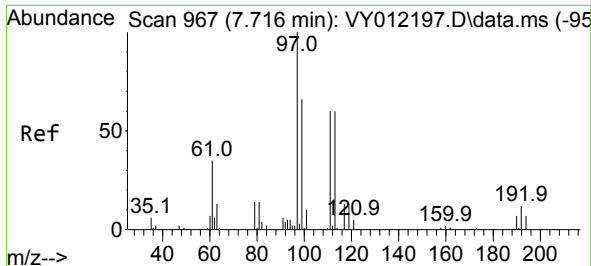
Tgt Ion: 65 Resp: 44300
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012483.D
 Acq: 03 Feb 2023 17:34

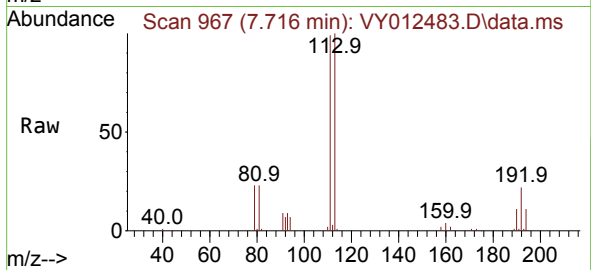
Tgt Ion: 114 Resp: 134112
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 39.6
 88 14.5 0.0 32.2



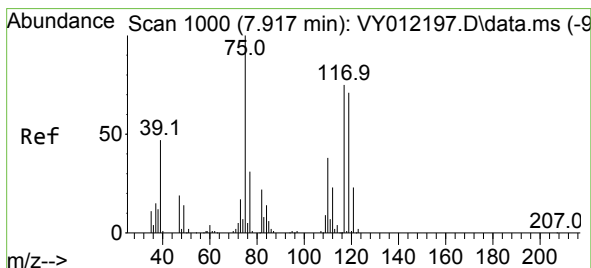
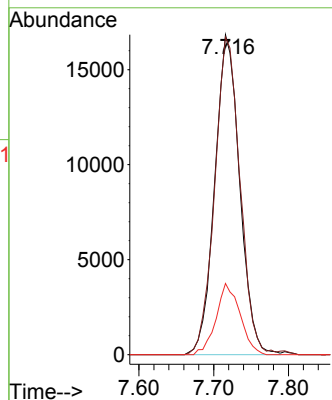
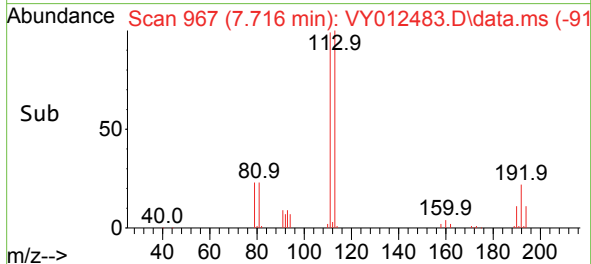


#35
Dibromofluoromethane
Concen: 55.086 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

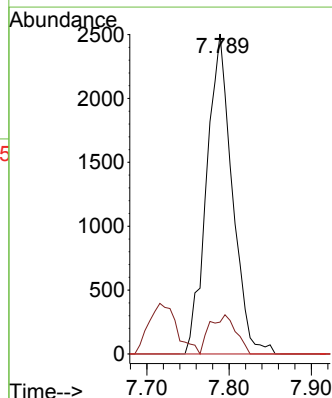
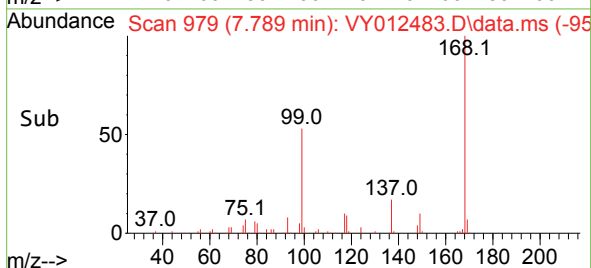
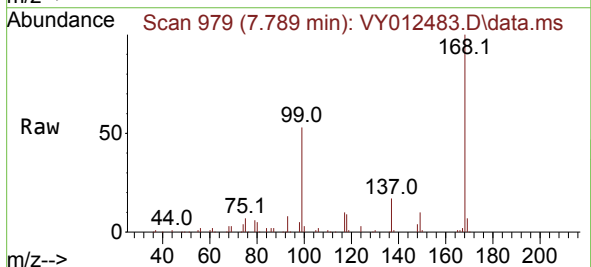


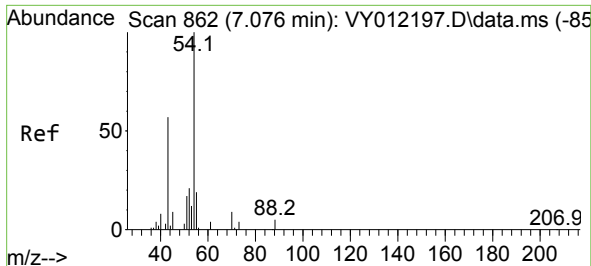
Tgt Ion:113 Resp: 39118
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.479 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 75 Resp: 5405
Ion Ratio Lower Upper
75 100
110 12.5 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.039 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.104 min

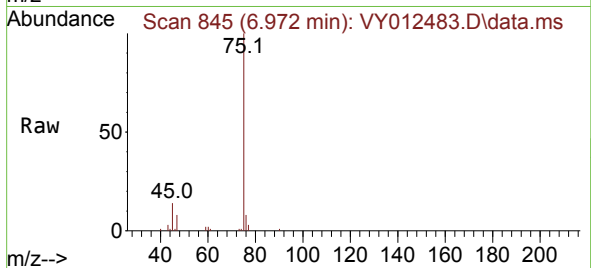
Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :



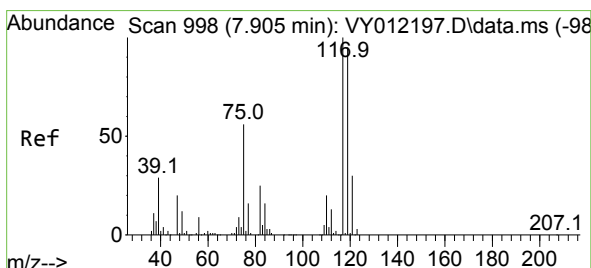
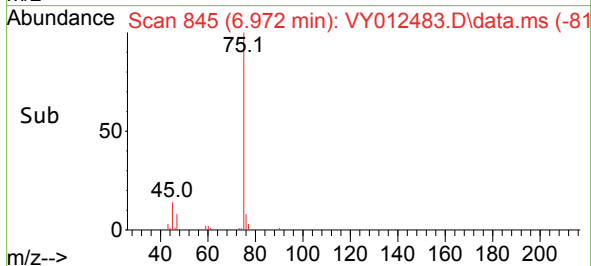
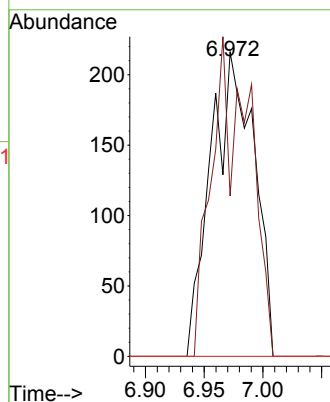
Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

61 45.9 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.158 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

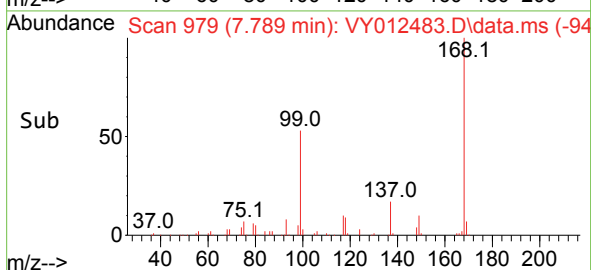
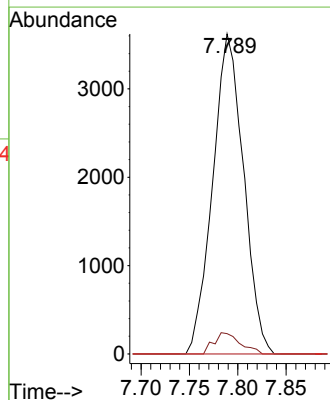
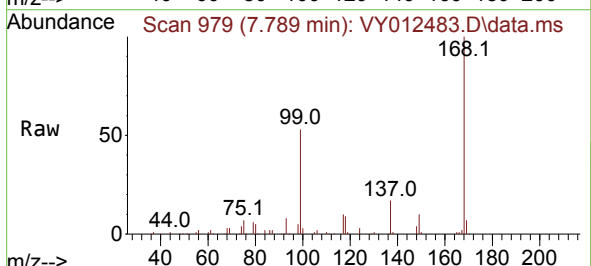
Tgt Ion: 117 Resp: 8040

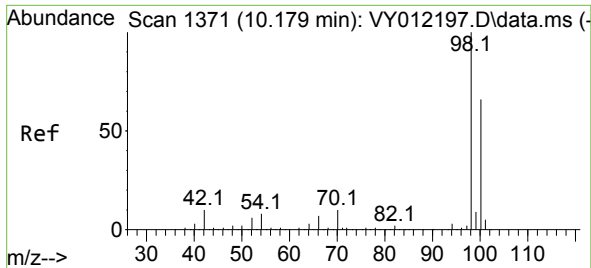
Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.8#

121 0.0 25.2 37.8#

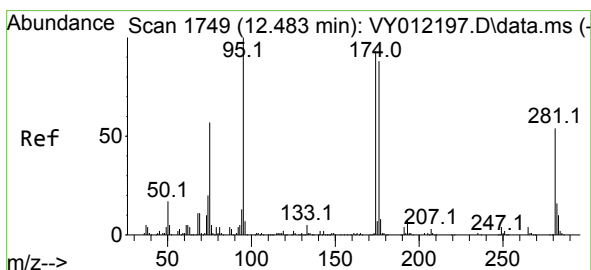
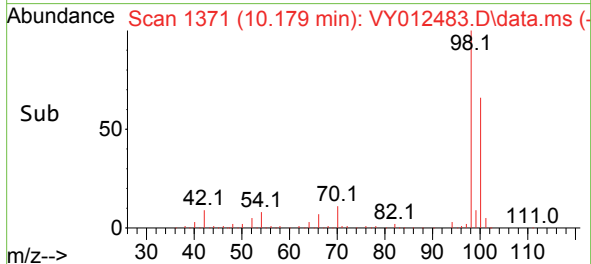
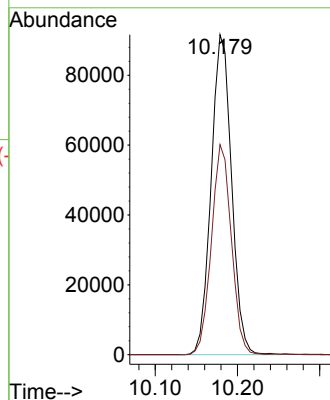
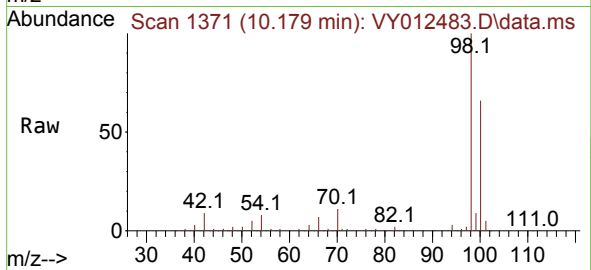




#50
Toluene-d8
Concen: 65.665 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

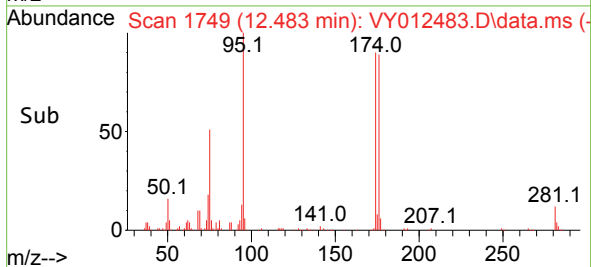
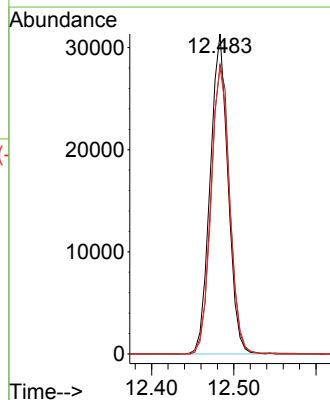
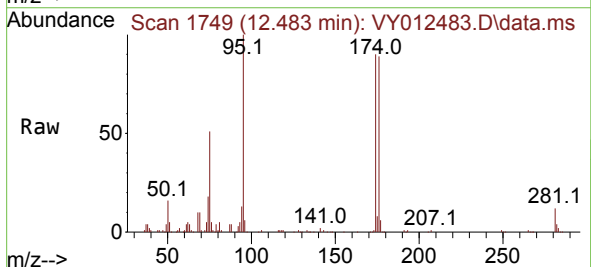
Instrument :
MSVOA_Y
ClientSampleId :

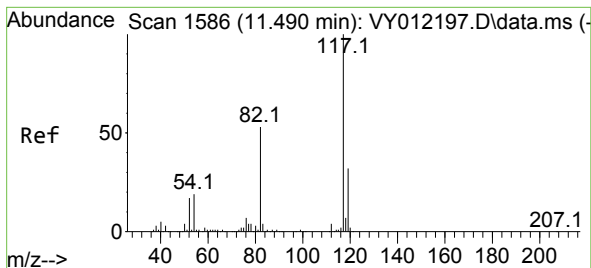
Tgt Ion: 98 Resp: 158227
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.125 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 95 Resp: 47175
Ion Ratio Lower Upper
95 100
174 94.9 0.0 172.0
176 93.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

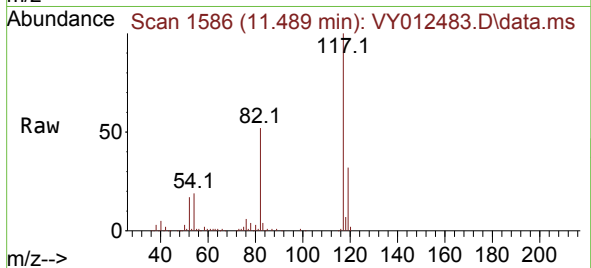
Lab File: VY012483.D

Acq: 03 Feb 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :



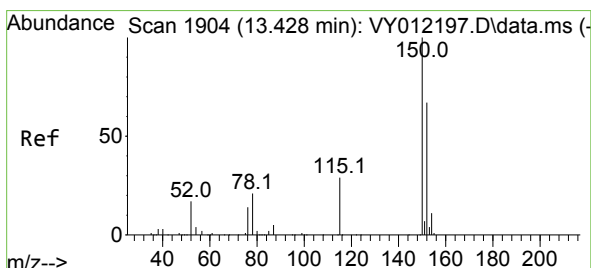
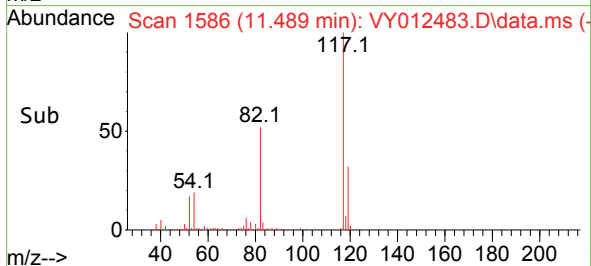
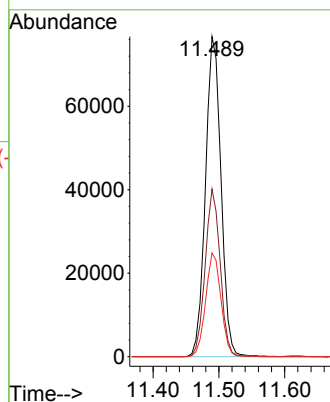
Tgt Ion:117 Resp: 126037

Ion Ratio Lower Upper

117 100

82 52.3 44.8 67.2

119 32.4 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: VY012483.D

Acq: 03 Feb 2023 17:34

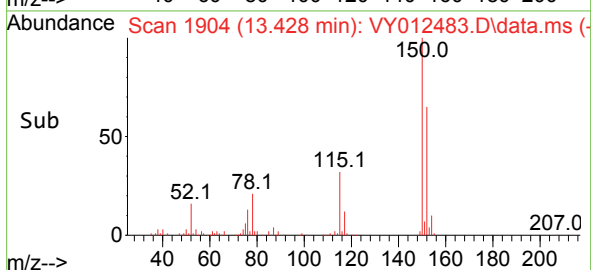
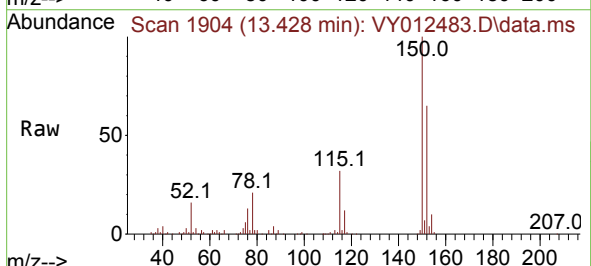
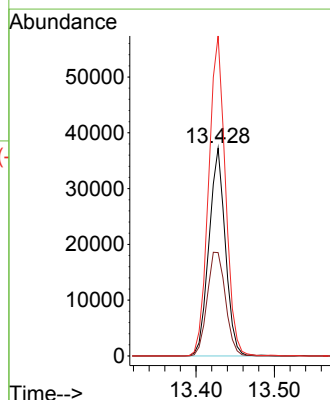
Tgt Ion:152 Resp: 54140

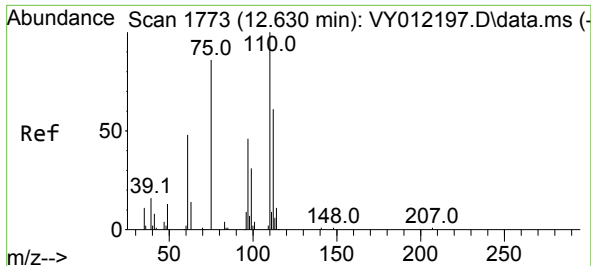
Ion Ratio Lower Upper

152 100

115 55.6 29.1 87.3

150 157.5 0.0 342.6

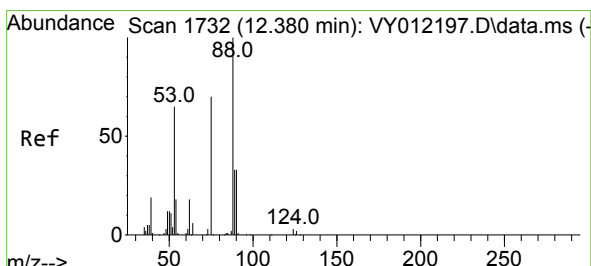
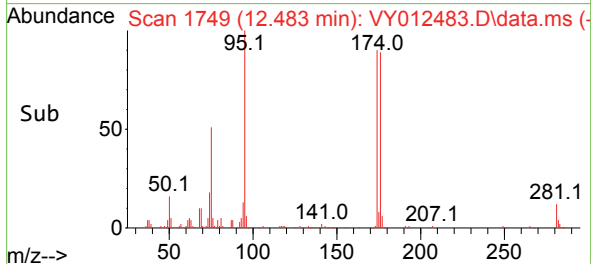
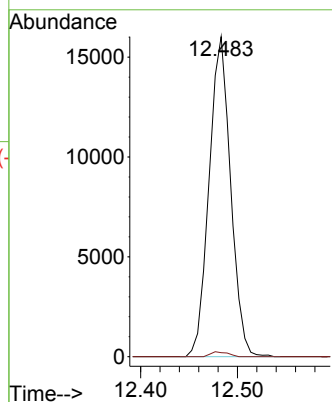
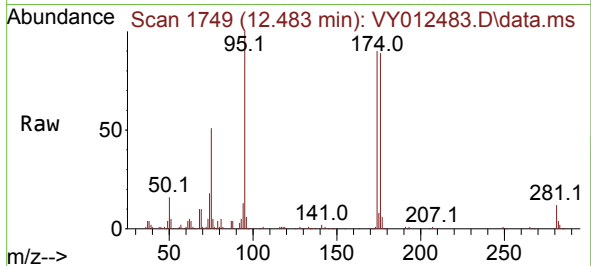




#76
1,2,3-Trichloropropane
Concen: 49.878 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 24831
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.770 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012483.D
Acq: 03 Feb 2023 17:34

Tgt Ion: 75 Resp: 24831
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

