

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012471.D
 Acq On : 03 Feb 2023 12:53
 Operator : KP/MD
 Sample : 01409-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:07:40 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)

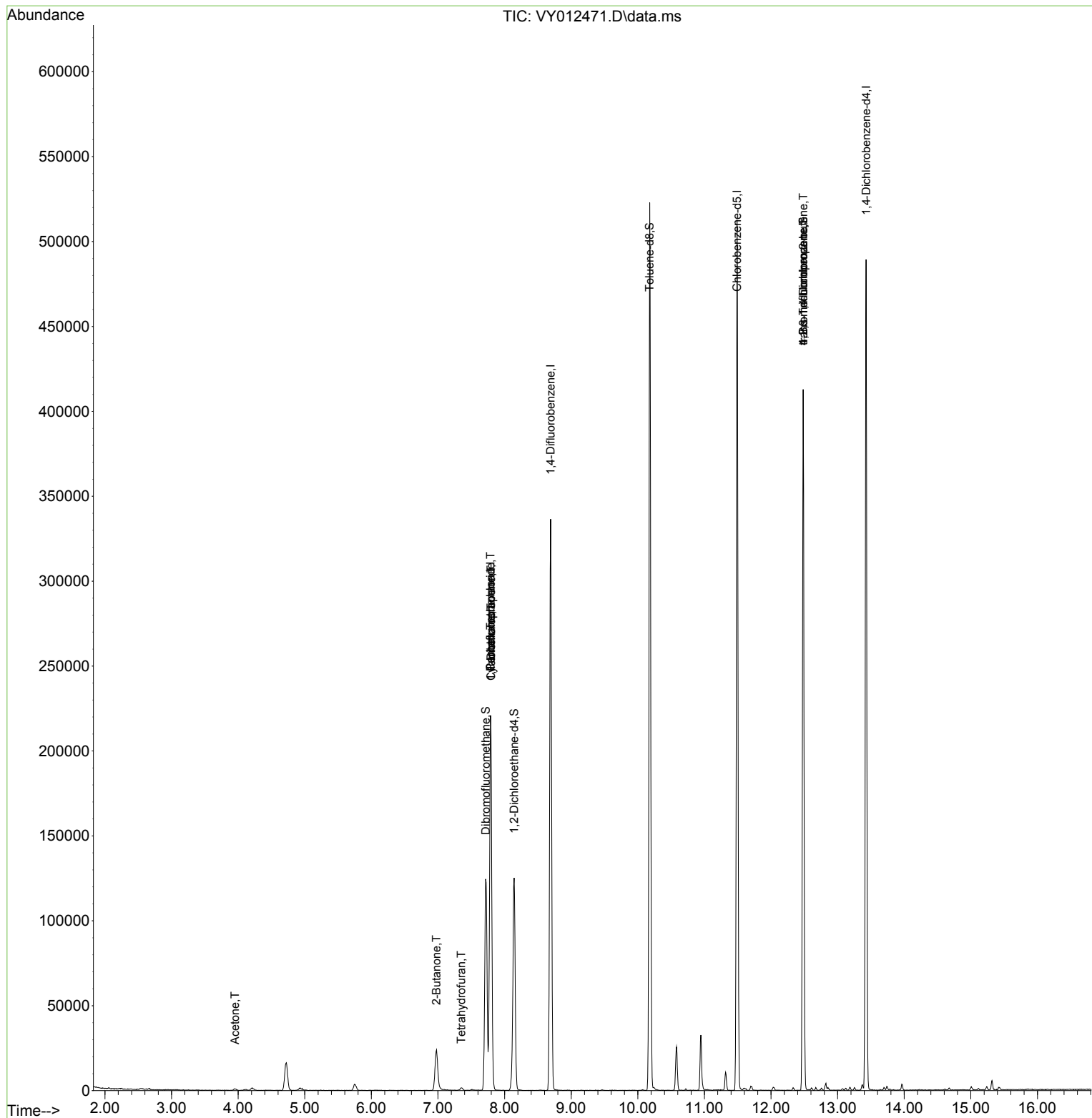
Internal Standards						
1) Pentafluorobenzene	7.789	168	178641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	301849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	286654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102165	70.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.240%	
35) Dibromofluoromethane	7.716	113	88966	55.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.320%	
50) Toluene-d8	10.179	98	350518	64.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.120%	
62) 4-Bromofluorobenzene	12.483	95	116559	51.733	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1727	Below Cal	#	74
16) Acetone	3.954	43	1728	3.474	ug/l	98
20) Methylene Chloride	4.722	84	13628	Below Cal		88
25) 2-Butanone	6.978	43	1140	2.076	ug/l	# 73
29) Tetrahydrofuran	7.350	42	1120	3.713	ug/l	89
31) Cyclohexane	7.795	56	3136	1.204	ug/l	# 2
36) 1,1-Dichloropropene	7.795	75	12436	4.578	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	17414	4.964	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	61194	51.072	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	61194	105.231	ug/l	# 13

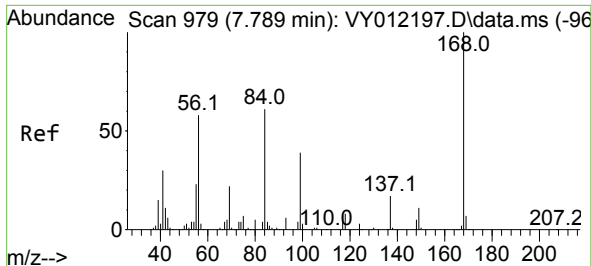
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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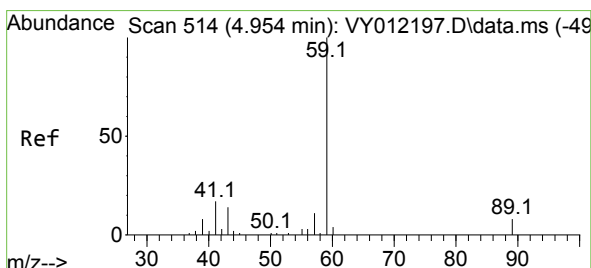
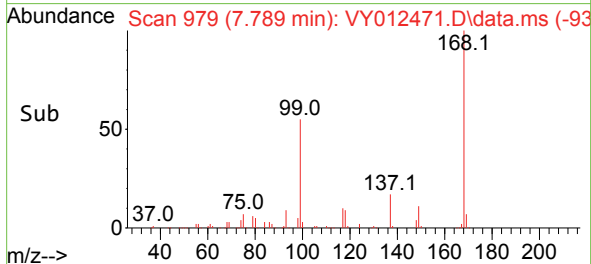
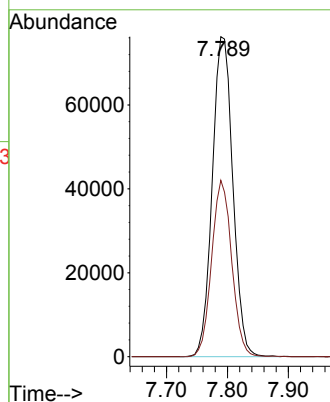
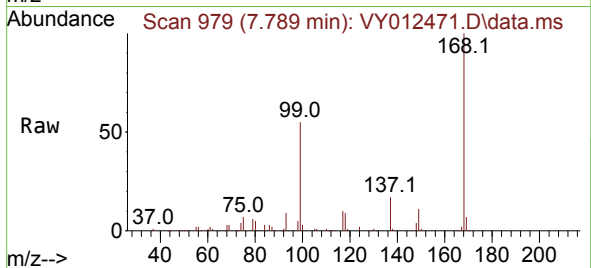




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

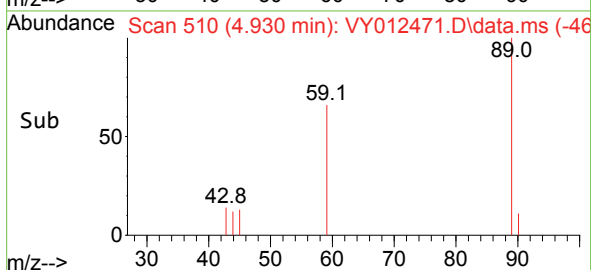
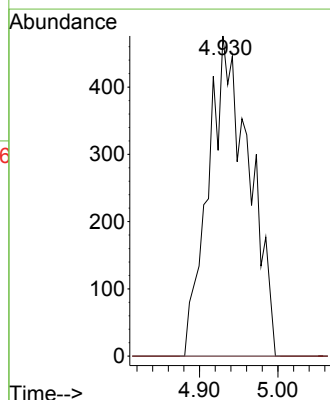
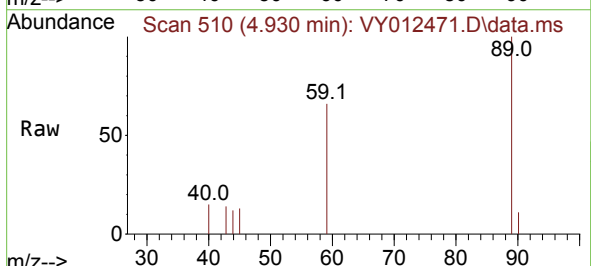
Instrument :
MSVOA_Y
ClientSampleId :

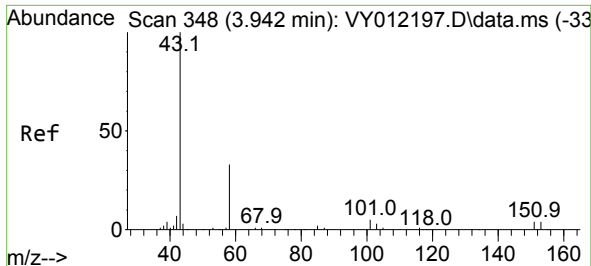
Tgt Ion:168 Resp: 178641
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 59 Resp: 1727
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

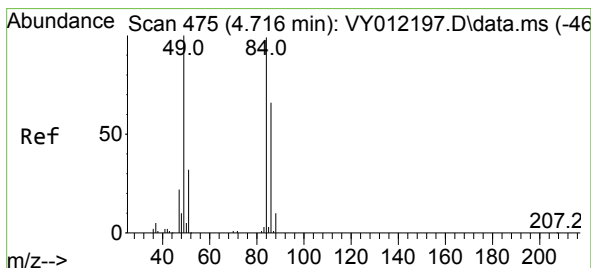
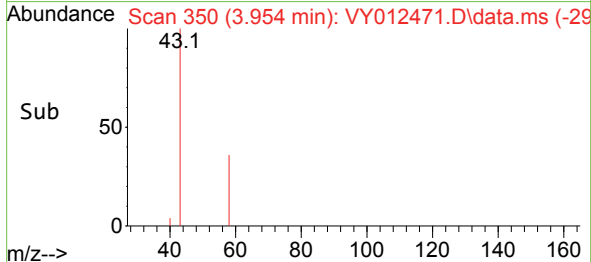
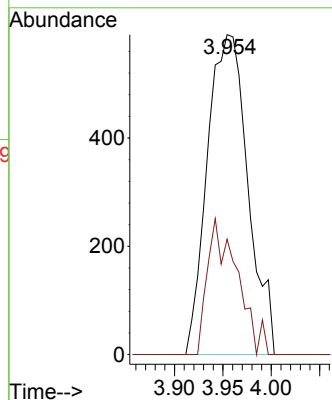
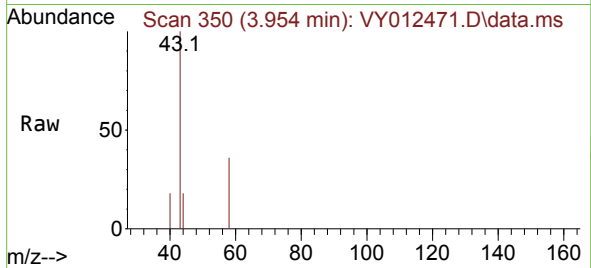




#16
Acetone
Concen: 3.474 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

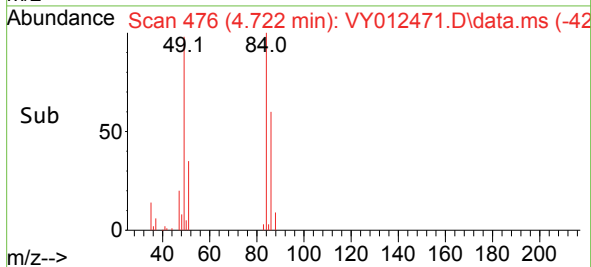
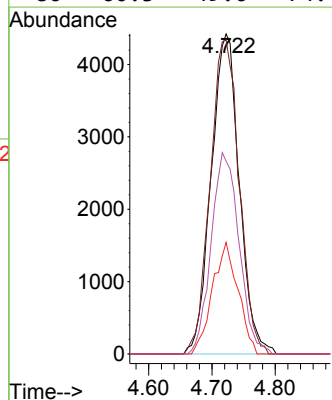
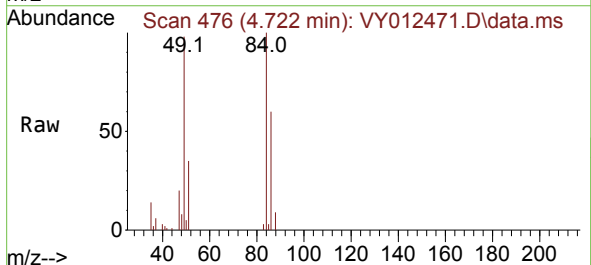
Instrument :
MSVOA_Y
ClientSampleId :

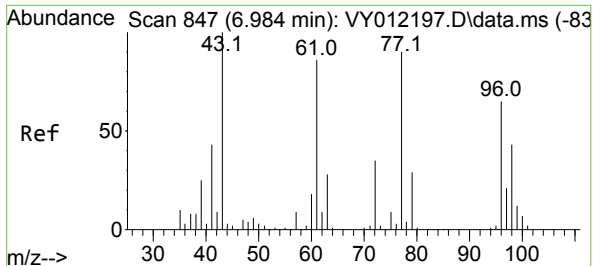
Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 36.0 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 84 Resp: 13628
Ion Ratio Lower Upper
84 100
49 98.2 95.4 143.2
51 34.9 29.9 44.9
86 60.3 49.6 74.4





#25

2-Butanone

Concen: 2.076 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

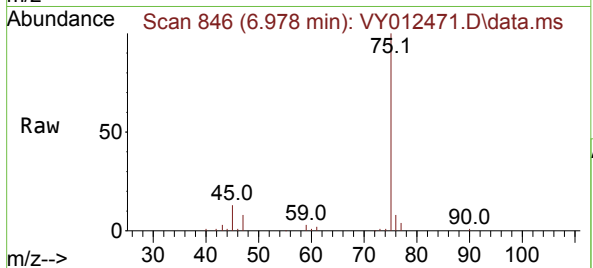
Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

ClientSampleId :

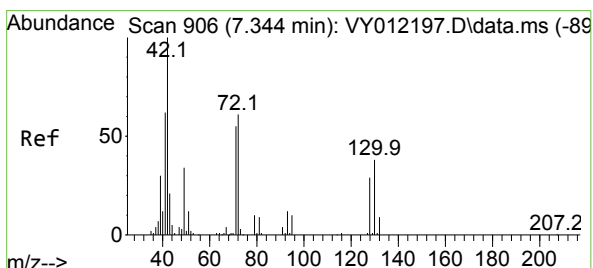
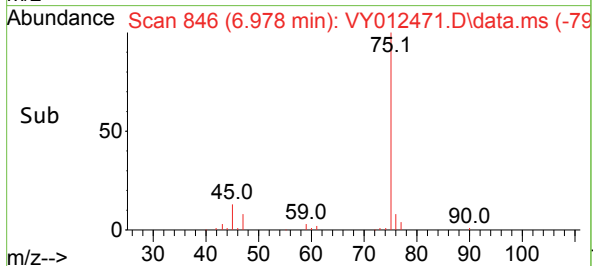
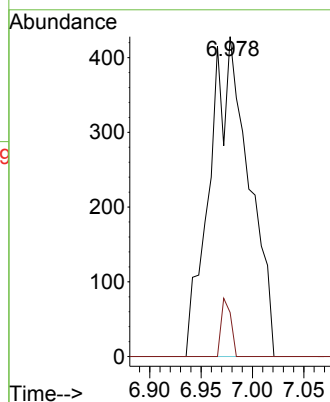


Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

72 13.8 22.6 34.0#



#29

Tetrahydrofuran

Concen: 3.713 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

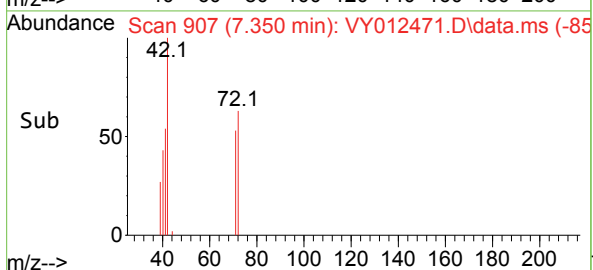
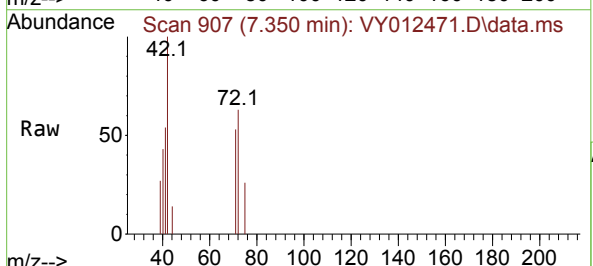
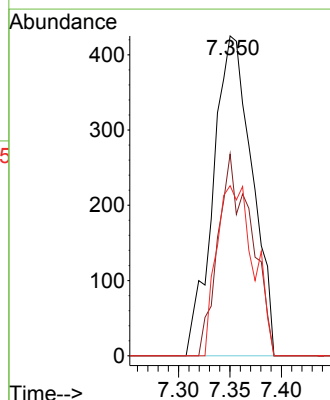
Tgt Ion: 42 Resp: 1120

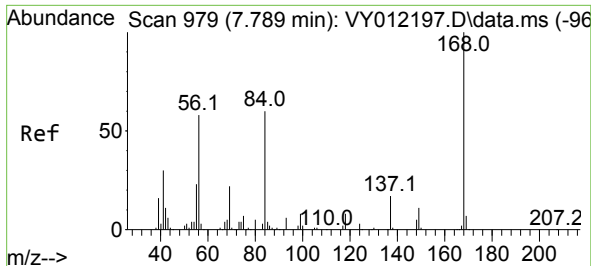
Ion Ratio Lower Upper

42 100

72 54.1 37.0 55.6

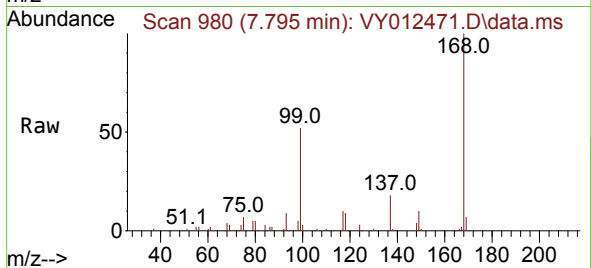
71 50.7 34.9 52.3



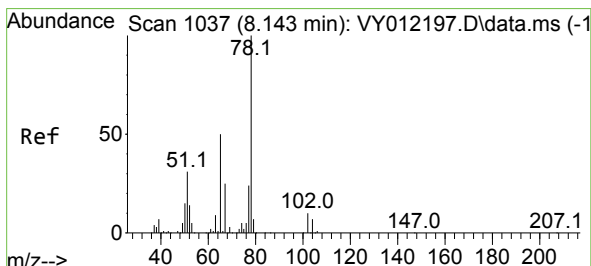
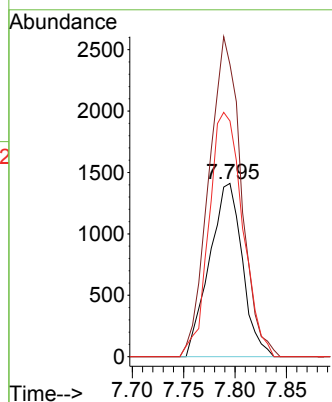
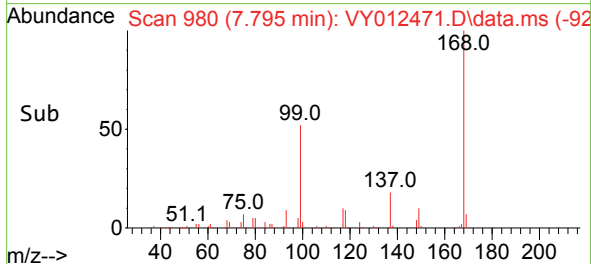


#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Instrument :
MSVOA_Y
ClientSampleId :

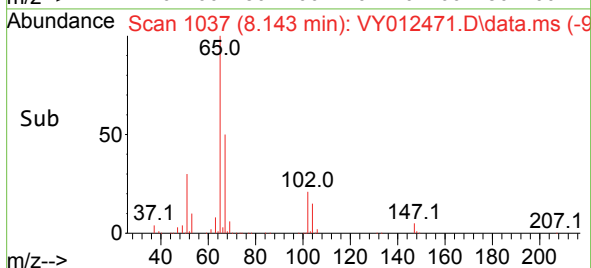
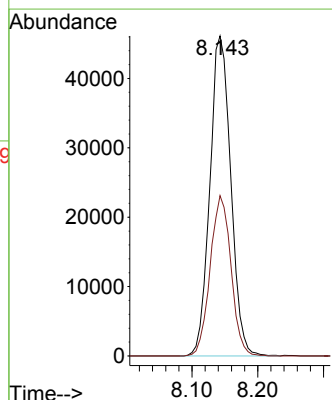
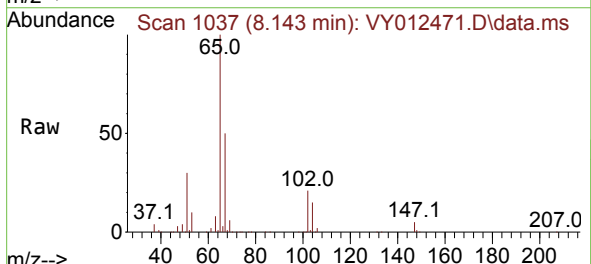


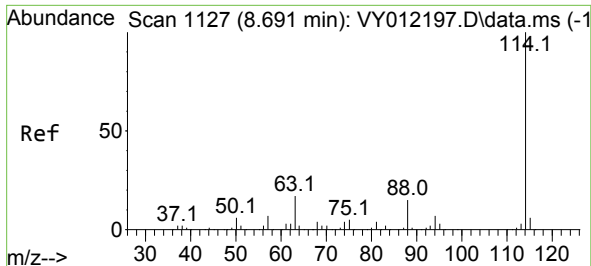
Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 168.6 29.2 43.8#
84 136.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 70.618 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

Tgt Ion: 65 Resp: 102165
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.2

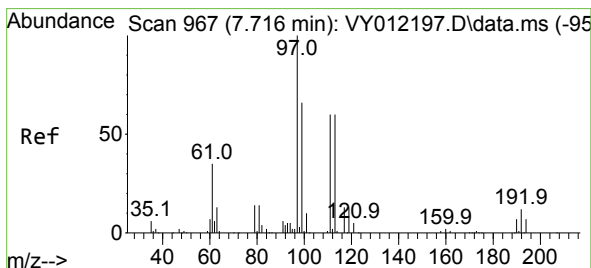
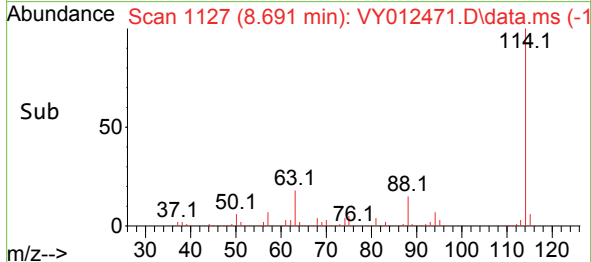
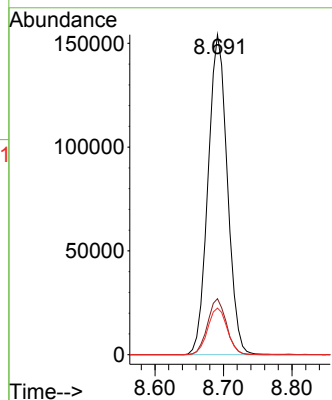
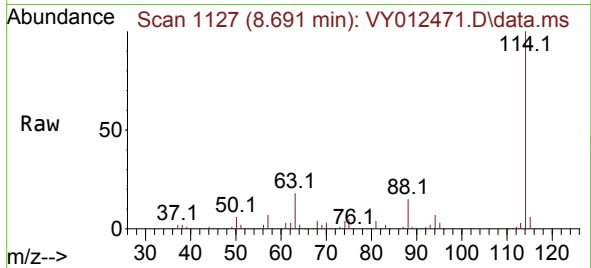




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

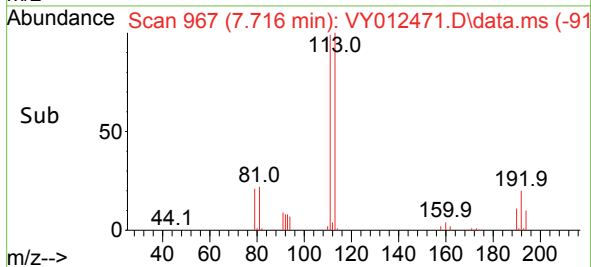
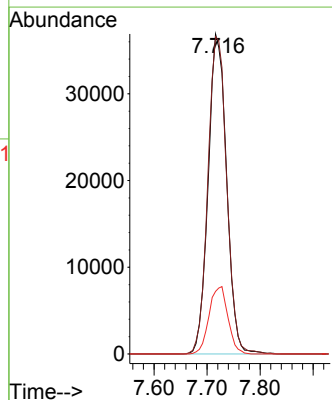
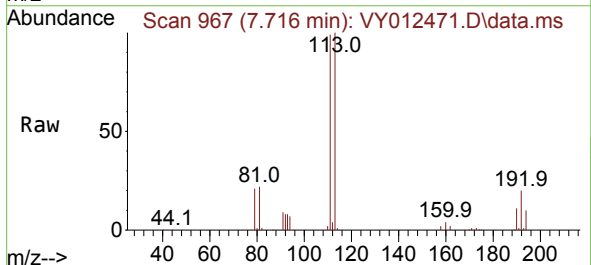
Instrument :
MSVOA_Y
ClientSampleId :

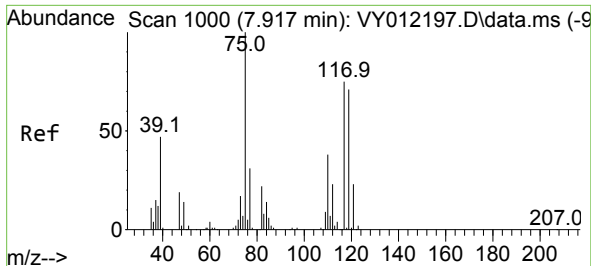
Tgt Ion:114 Resp: 301849
Ion Ratio Lower Upper
114 100
63 17.5 0.0 39.6
88 14.5 0.0 32.2



#35
Dibromofluoromethane
Concen: 55.663 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012471.D
Acq: 03 Feb 2023 12:53

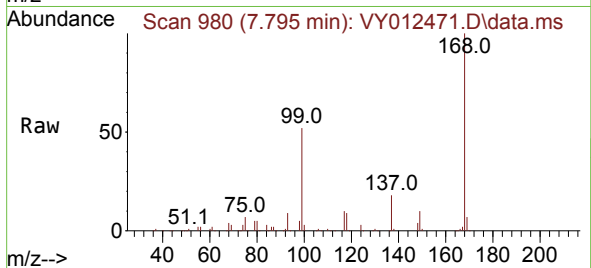
Tgt Ion:113 Resp: 88966
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 21.6 16.0 24.0



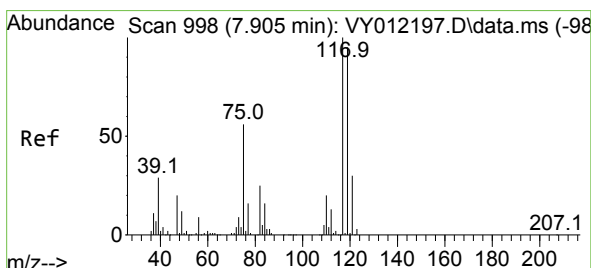
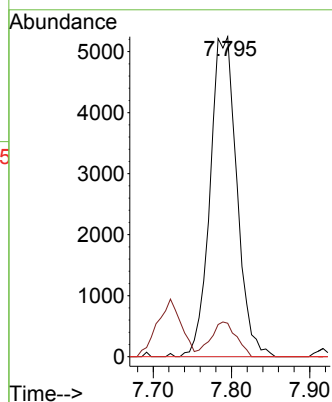
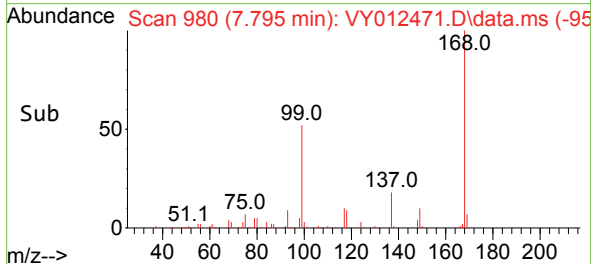


#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.795 min Scan# 911
 Delta R.T. -0.122 min
 Lab File: VY012471.D
 Acq: 03 Feb 2023 12:53

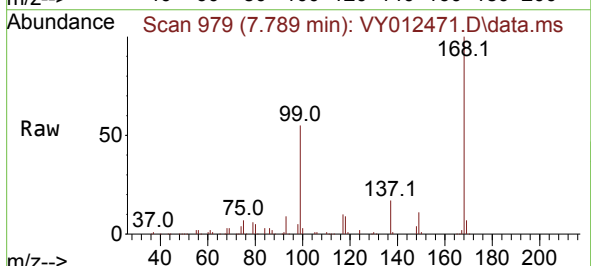
Instrument :
 MSVOA_Y
 ClientSampleId :



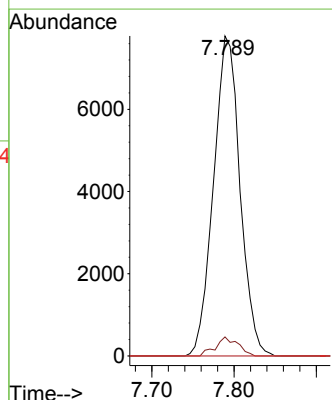
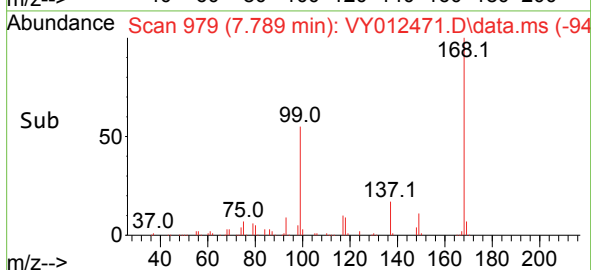
Tgt Ion: 75 Resp: 12436
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.1#
 77 0.0 25.1 37.7#

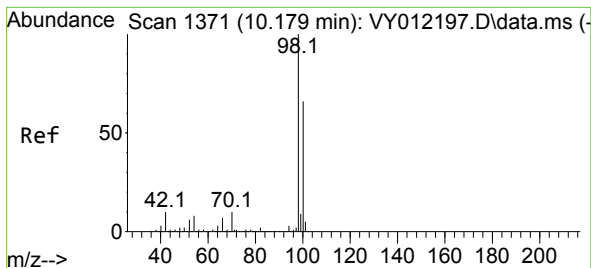


#38
 Carbon Tetrachloride
 Concen: 4.964 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012471.D
 Acq: 03 Feb 2023 12:53



Tgt Ion: 117 Resp: 17414
 Ion Ratio Lower Upper
 117 100
 119 5.9 73.8 110.8#
 121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 64.557 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

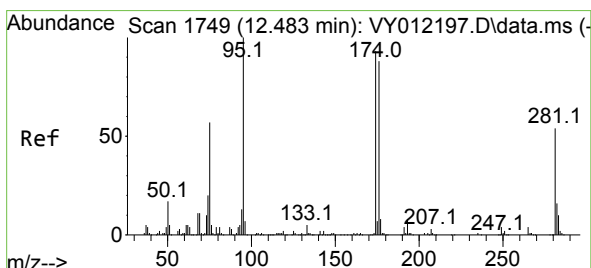
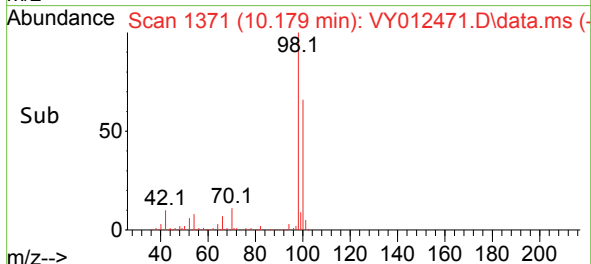
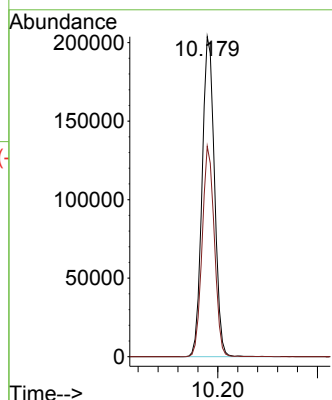
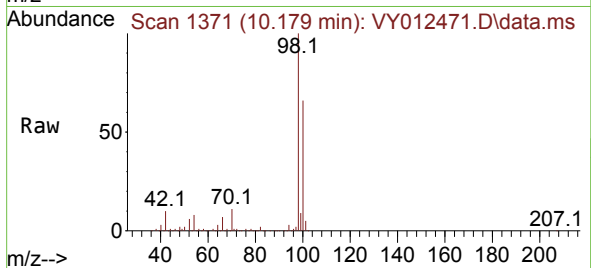
ClientSampleId :

Tgt Ion: 98 Resp: 350518

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 51.733 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

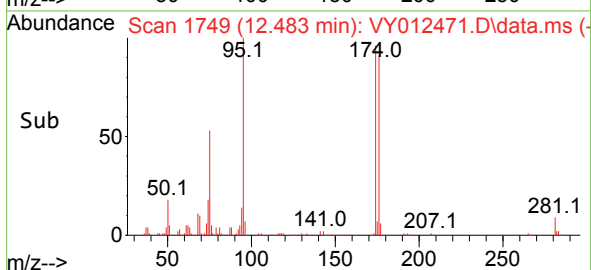
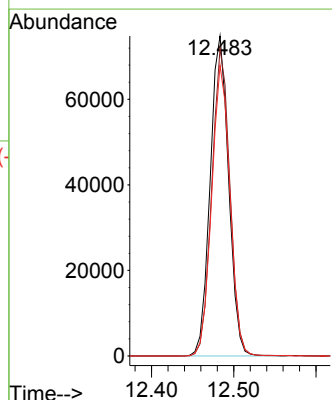
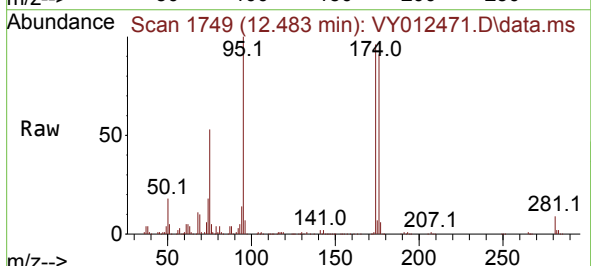
Tgt Ion: 95 Resp: 116559

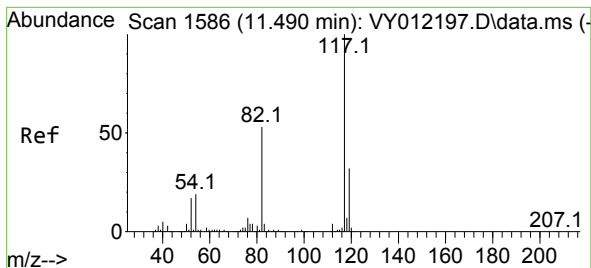
Ion Ratio Lower Upper

95 100

174 94.6 0.0 172.0

176 90.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

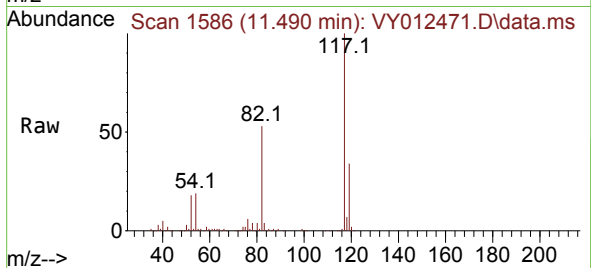
Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

ClientSampleId :



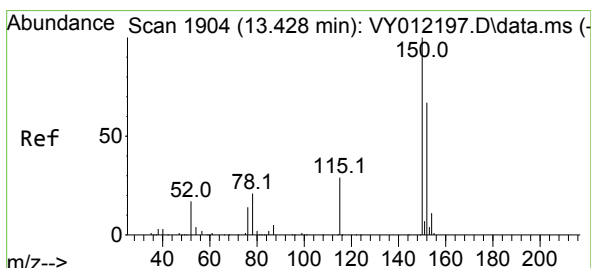
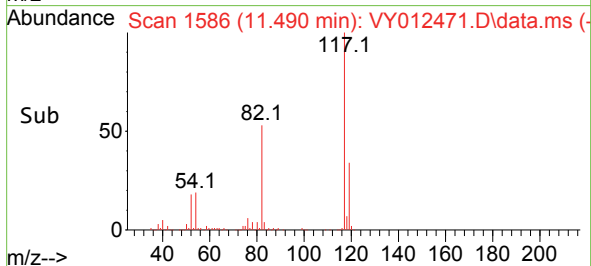
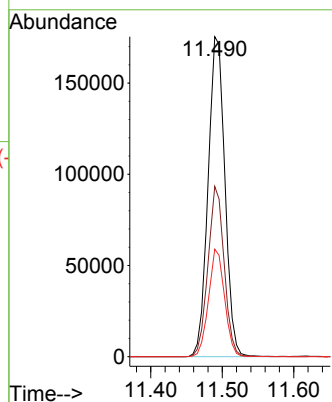
Tgt Ion:117 Resp: 286654

Ion Ratio Lower Upper

117 100

82 53.2 44.8 67.2

119 33.6 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: VY012471.D

Acq: 03 Feb 2023 12:53

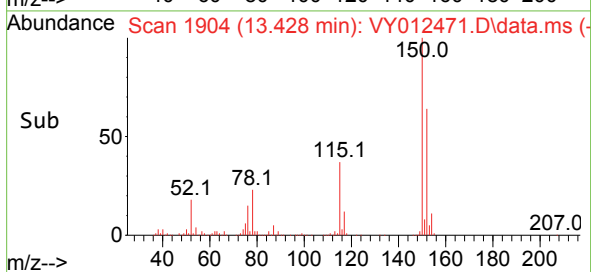
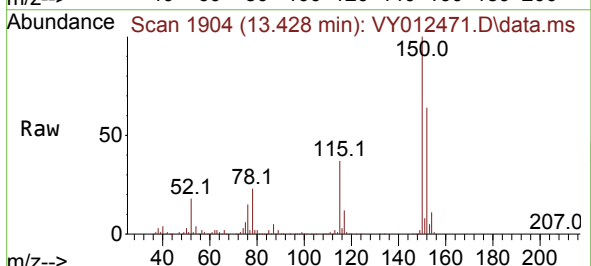
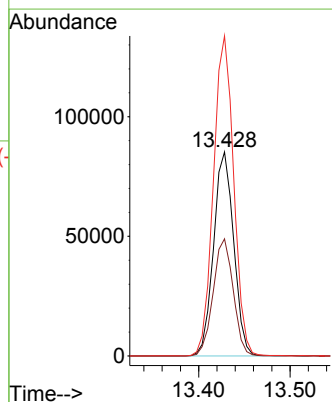
Tgt Ion:152 Resp: 130304

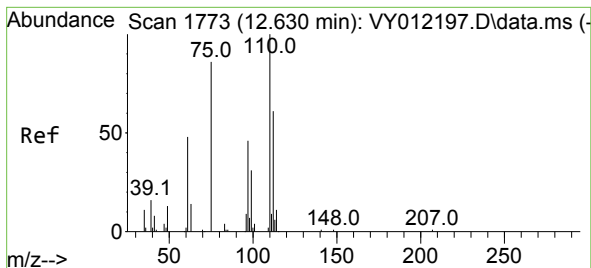
Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

150 157.9 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 51.072 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Instrument :

MSVOA_Y

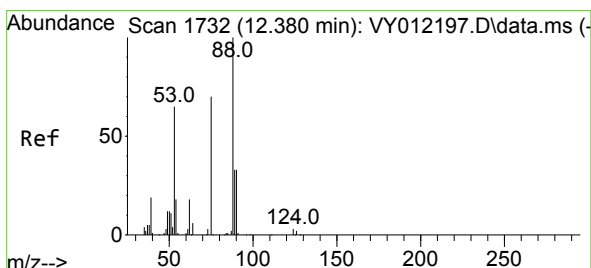
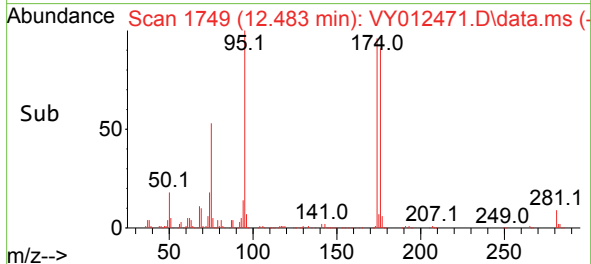
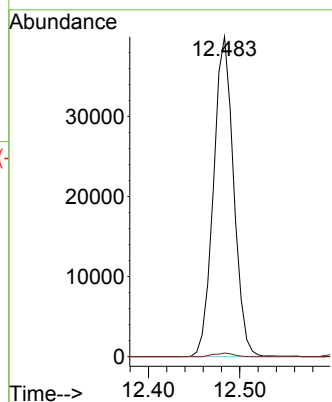
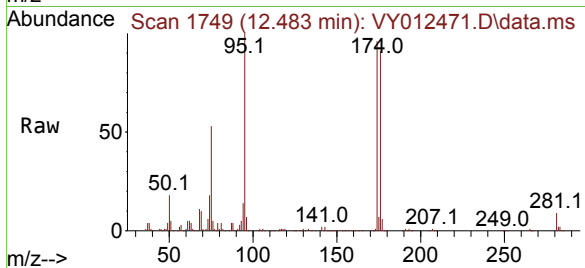
ClientSampleId :

Tgt Ion: 75 Resp: 61194

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.231 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012471.D

Acq: 03 Feb 2023 12:53

Tgt Ion: 75 Resp: 61194

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.3 37.0 55.4#

