

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012521.D
 Acq On : 07 Feb 2023 16:13
 Operator : KP/MD
 Sample : 01466-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-1

Quant Time: Feb 08 01:46:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	283304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100735	46.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.000%
35) Dibromofluoromethane	7.716	113	83278	40.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.720%
50) Toluene-d8	10.179	98	330713	38.511	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.020%
62) 4-Bromofluorobenzene	12.483	95	113827	38.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.000%

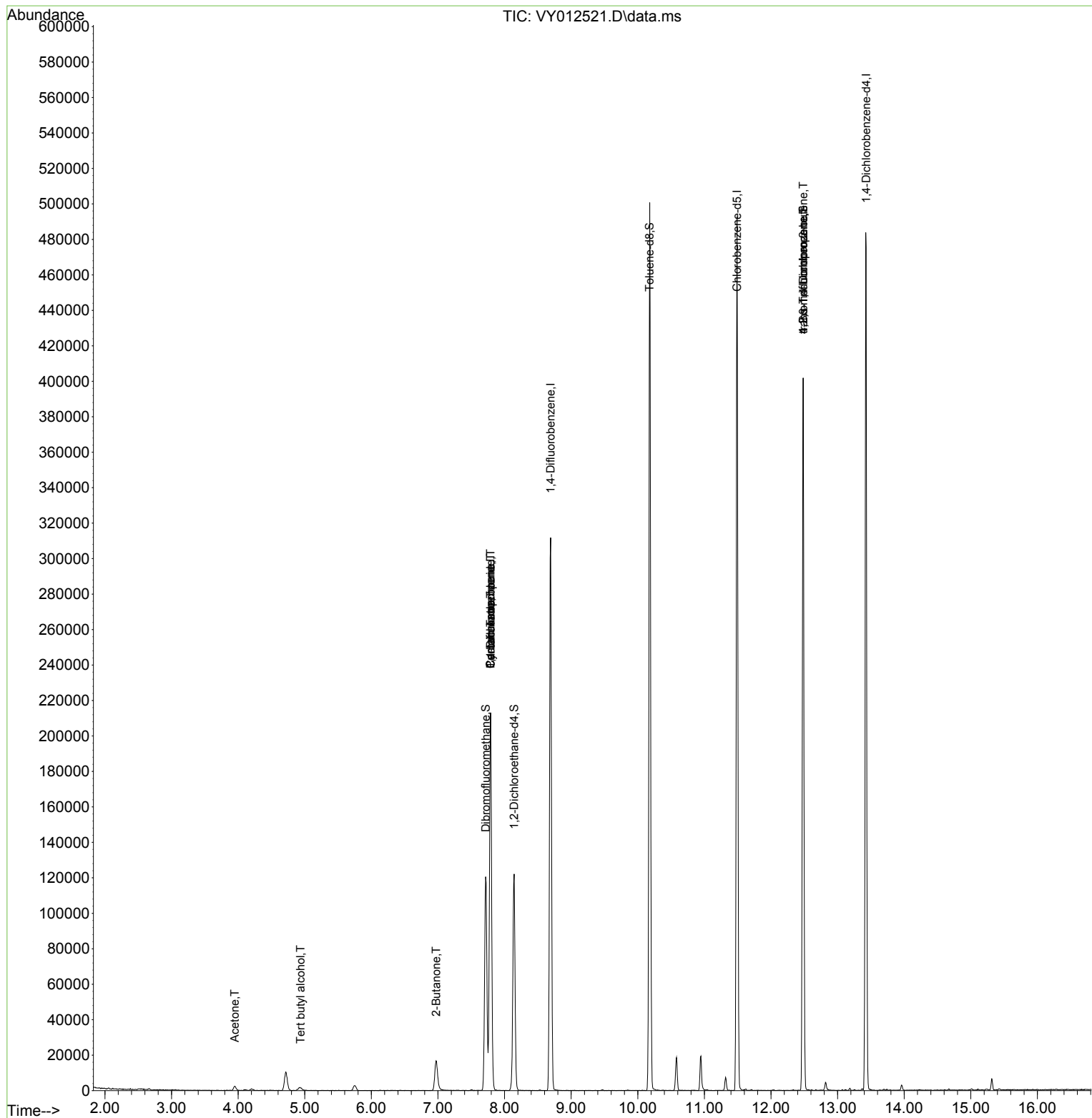
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20	Below Cal	#	41
5) Bromomethane	2.662	94	312	Below Cal		95
11) Tert butyl alcohol	4.936	59	2085	1.052	ug/l #	75
16) Acetone	3.948	43	4116	7.978	ug/l	100
25) 2-Butanone	6.972	43	954	1.667	ug/l #	40
31) Cyclohexane	7.789	56	3019	1.218	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	11198	4.010	ug/l #	49
38) Carbon Tetrachloride	7.789	117	16550	4.415	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	61495	42.333	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61495	95.464	ug/l #	12

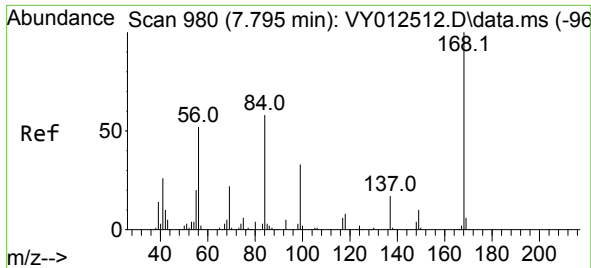
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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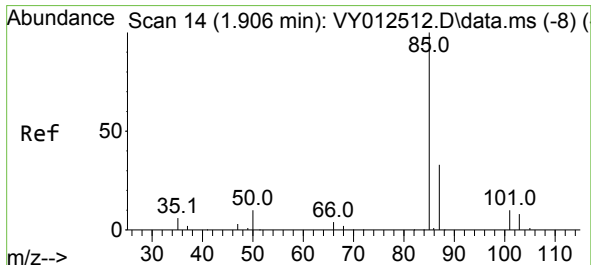
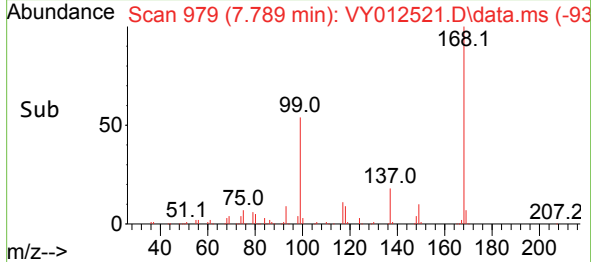
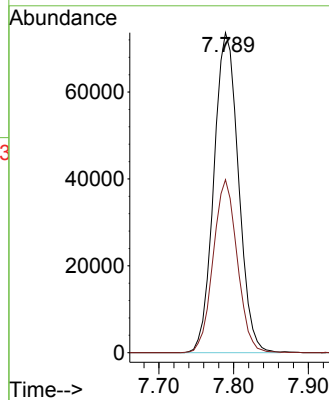
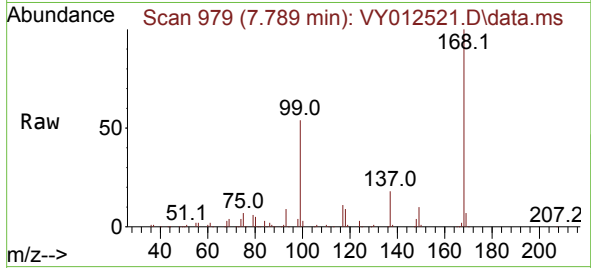




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

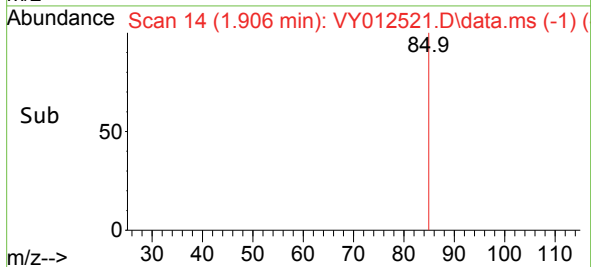
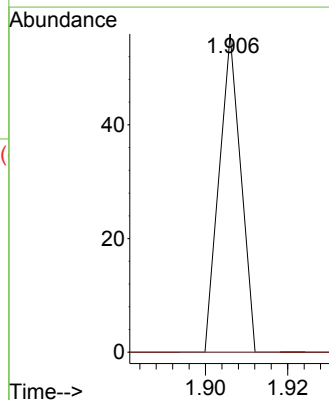
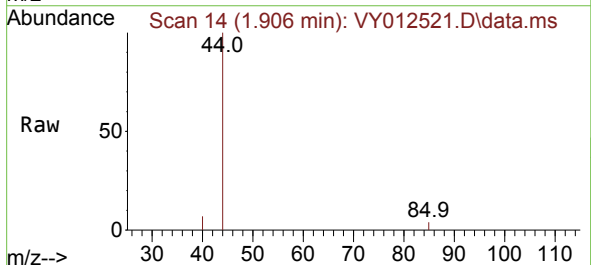
Instrument :
MSVOA_Y
ClientSampleId :
A-1

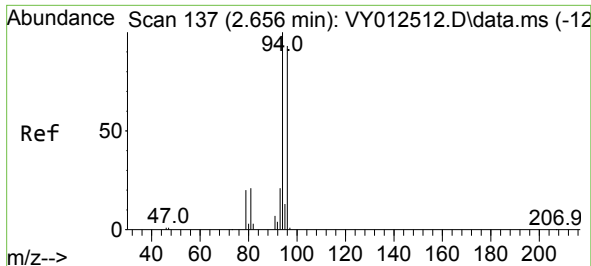
Tgt Ion:168 Resp: 168558
Ion Ratio Lower Upper
168 100
99 54.1 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

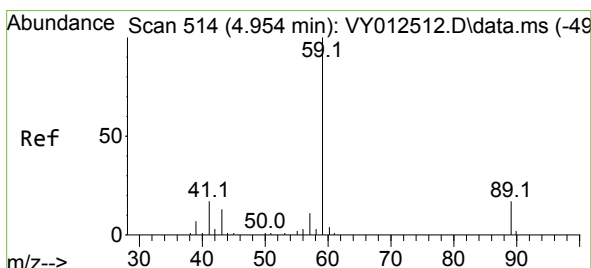
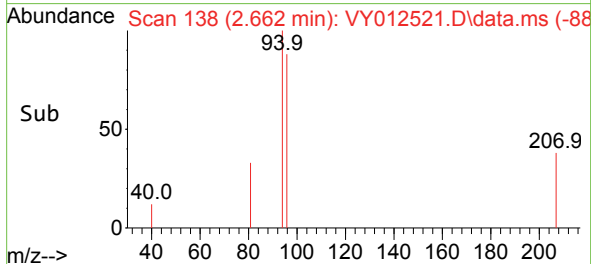
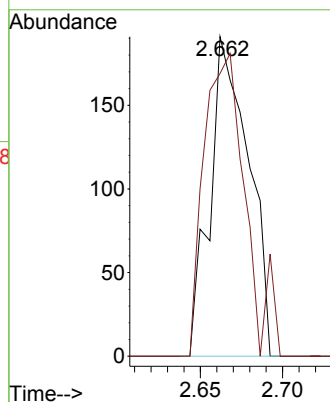
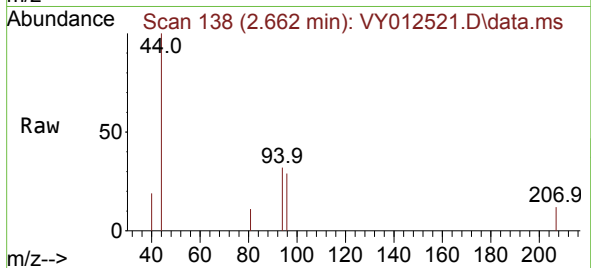




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

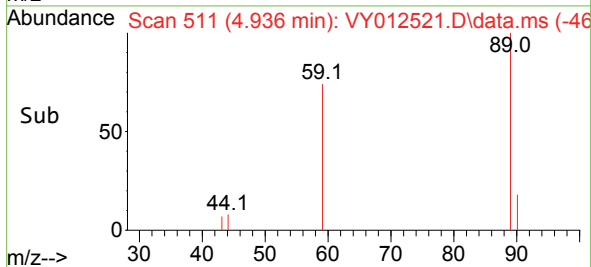
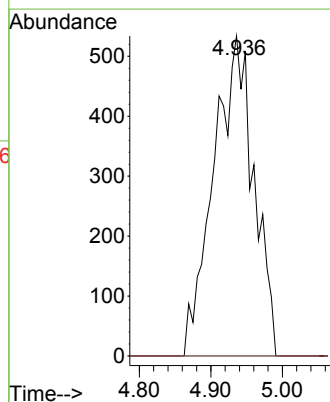
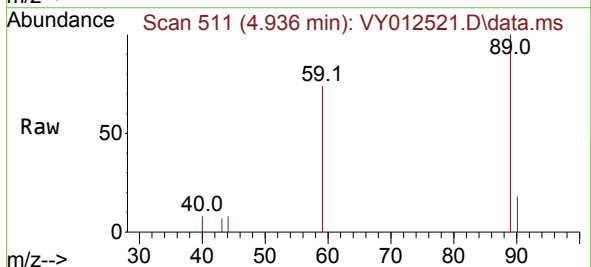
Instrument :
MSVOA_Y
ClientSampleId :
A-1

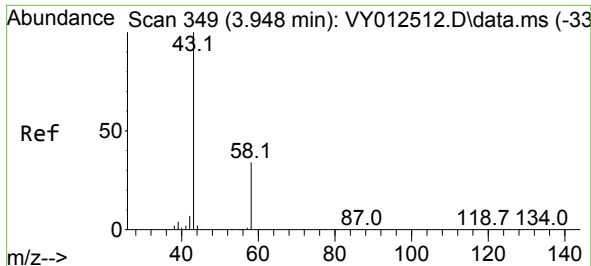
Tgt Ion: 94 Resp: 312
Ion Ratio Lower Upper
94 100
96 88.5 74.7 112.1



#11
Tert butyl alcohol
Concen: 1.052 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 59 Resp: 2085
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 7.978 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

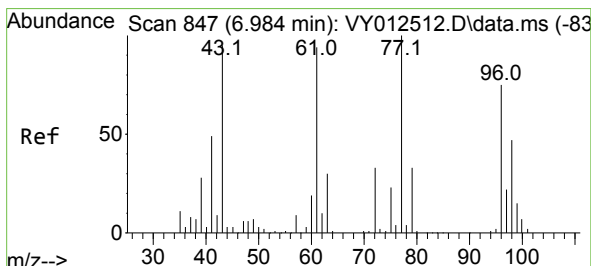
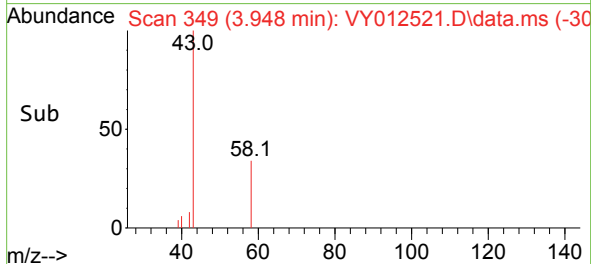
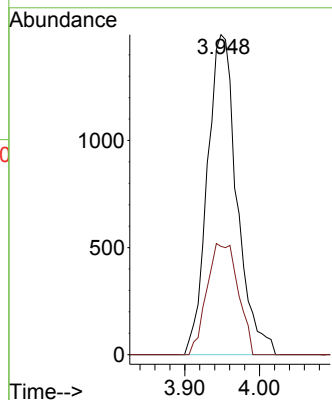
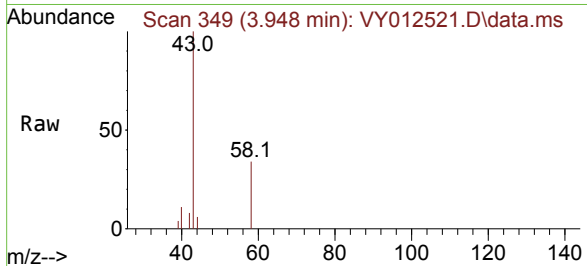
A-1

Tgt Ion: 43 Resp: 4116

Ion Ratio Lower Upper

43 100

58 33.9 27.1 40.7



#25

2-Butanone

Concen: 1.667 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012521.D

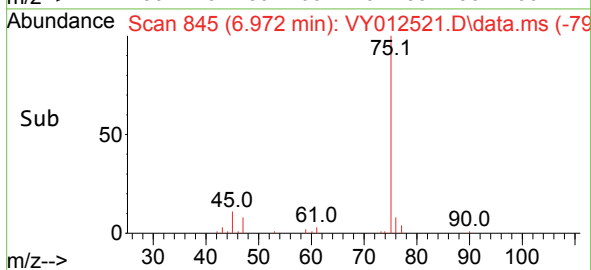
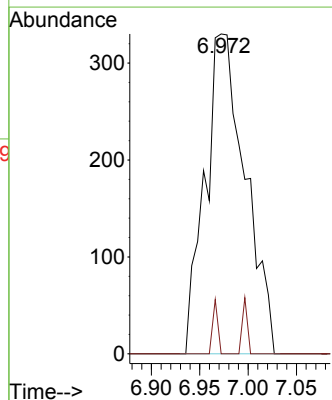
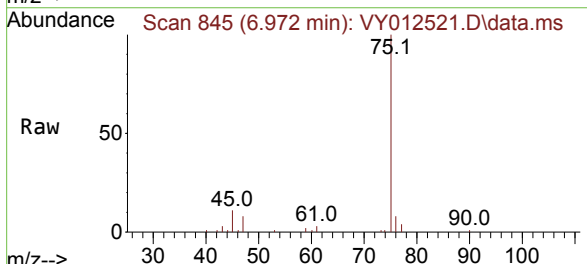
Acq: 07 Feb 2023 16:13

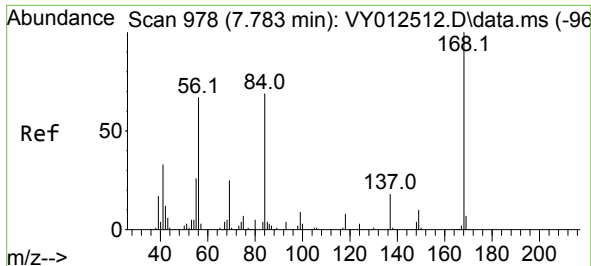
Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#

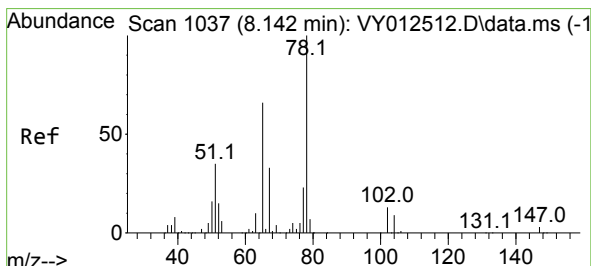
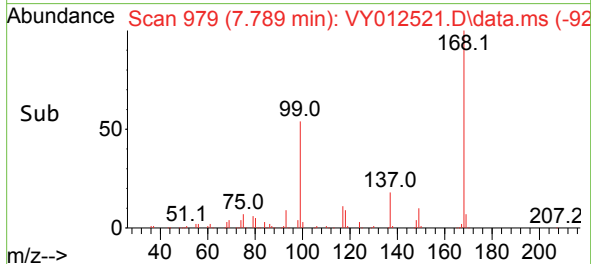
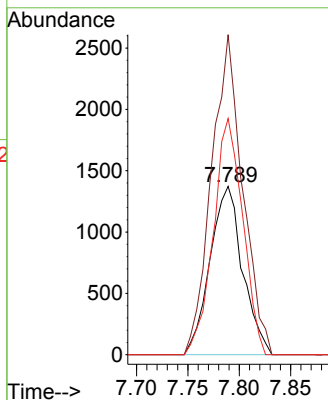
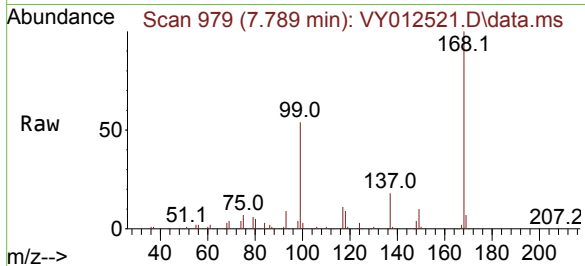




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

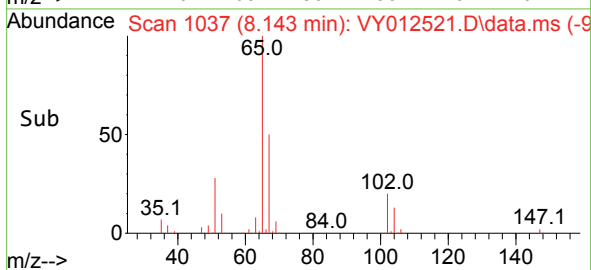
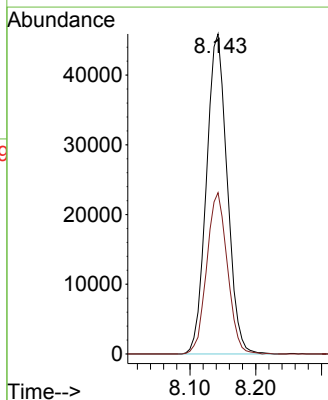
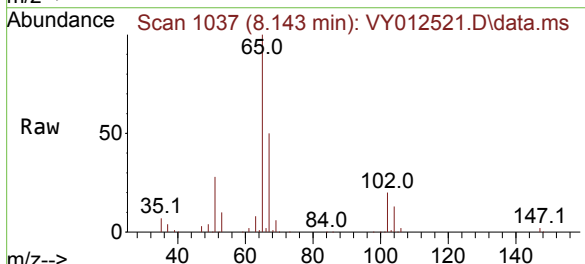
Instrument :
MSVOA_Y
ClientSampleId :
A-1

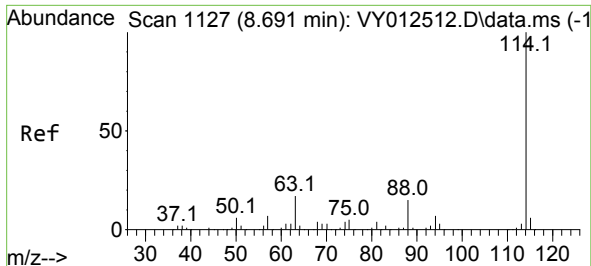
Tgt Ion: 56 Resp: 3019
Ion Ratio Lower Upper
56 100
69 190.2 29.5 44.3#
84 140.4 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 46.997 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 65 Resp: 100735
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

A-1

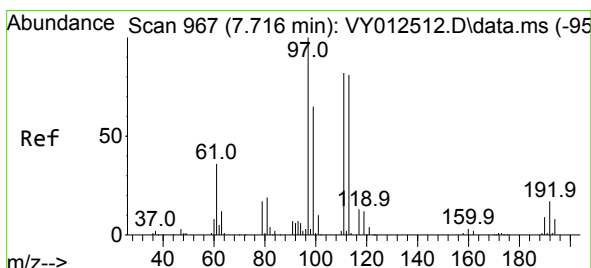
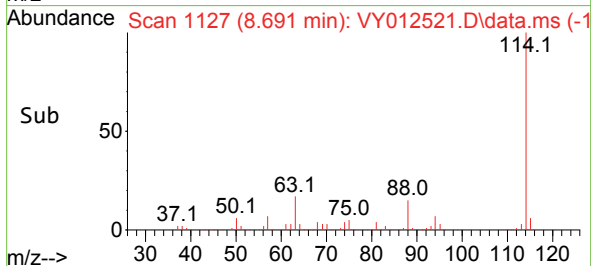
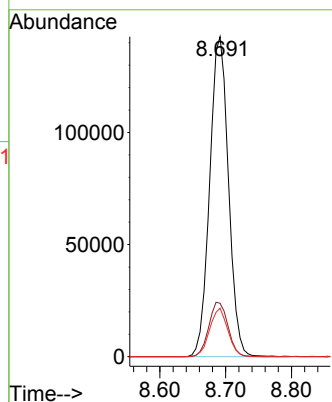
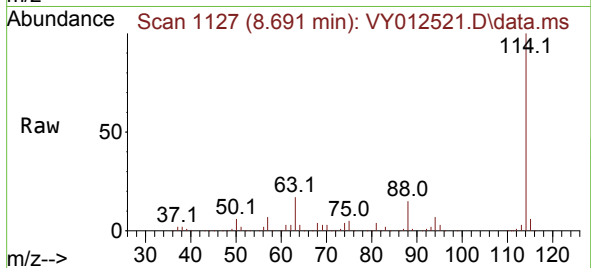
Tgt Ion:114 Resp: 283304

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.364 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

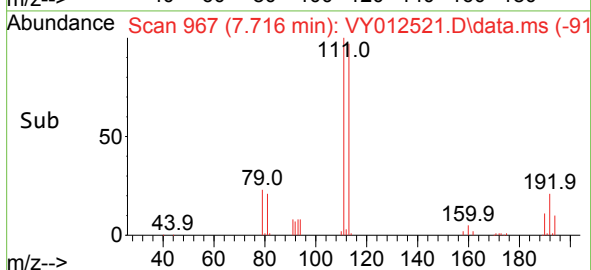
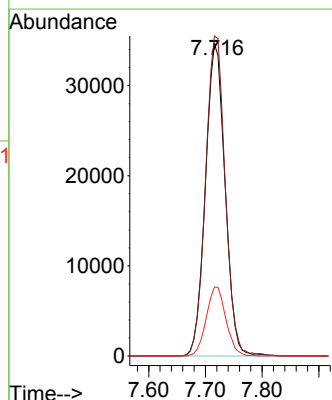
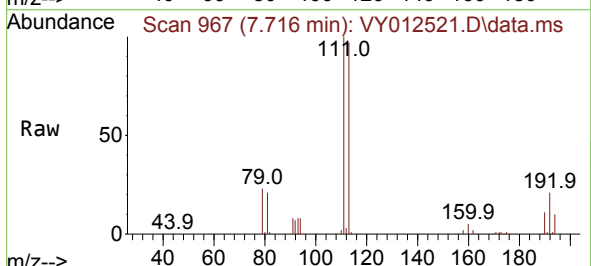
Tgt Ion:113 Resp: 83278

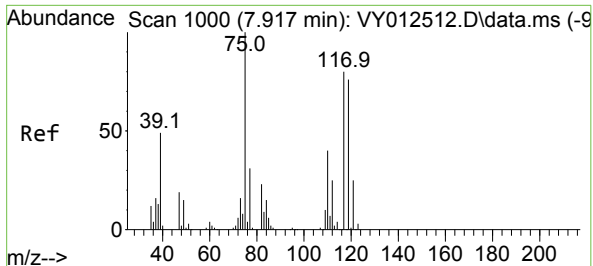
Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 22.1 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.010 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

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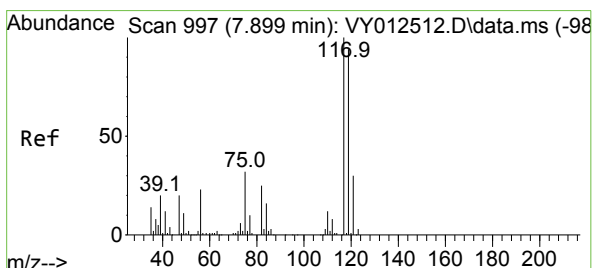
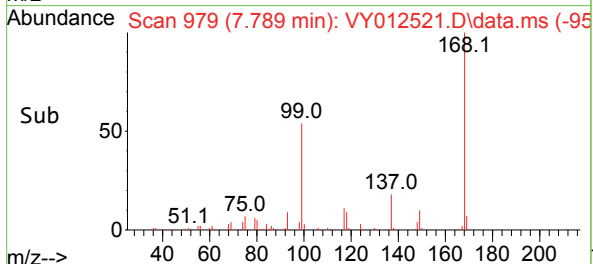
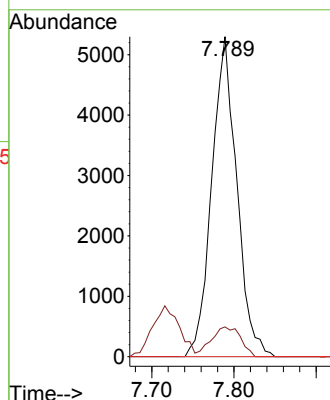
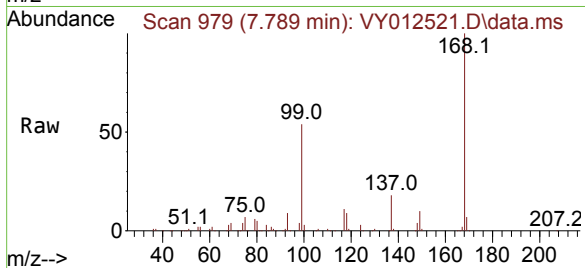
Tgt Ion: 75 Resp: 11198

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.415 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

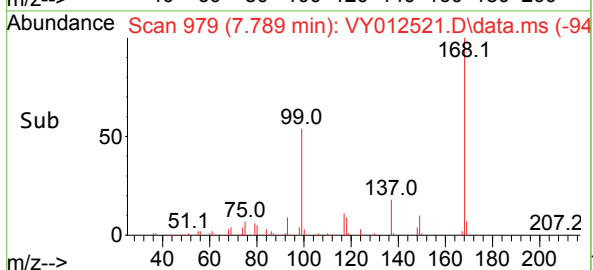
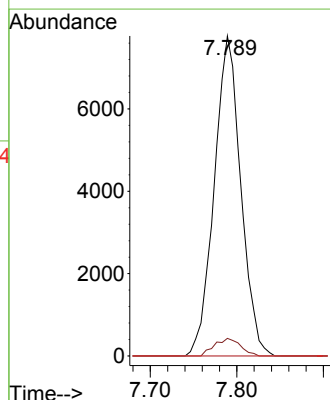
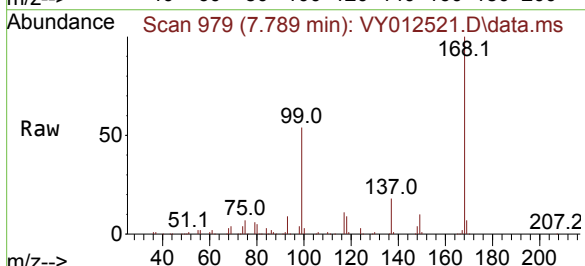
Tgt Ion: 117 Resp: 16550

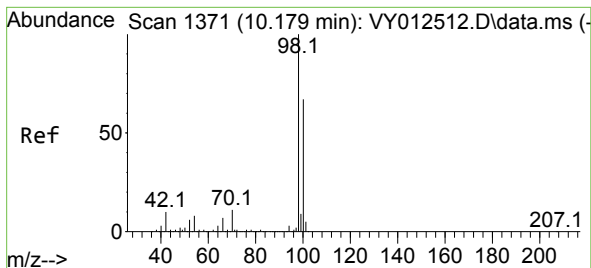
Ion Ratio Lower Upper

117 100

119 5.5 75.1 112.7#

121 0.0 24.3 36.5#

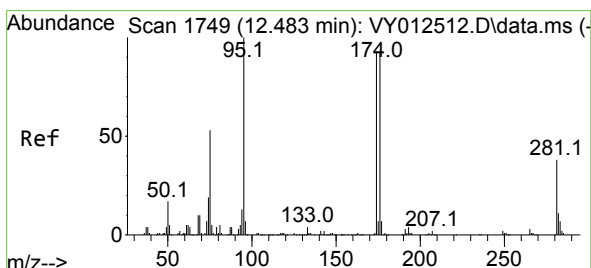
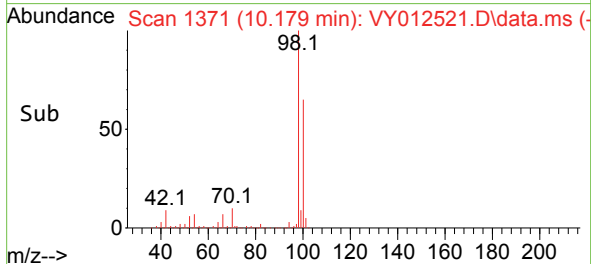
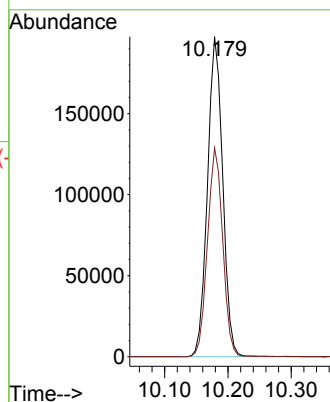
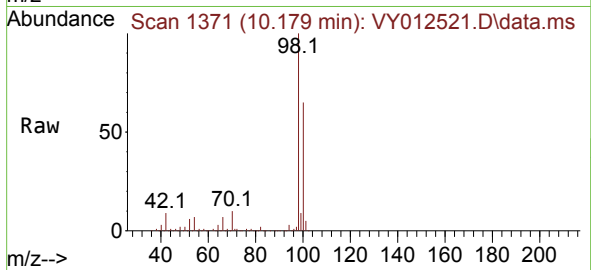




#50
Toluene-d8
Concen: 38.511 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

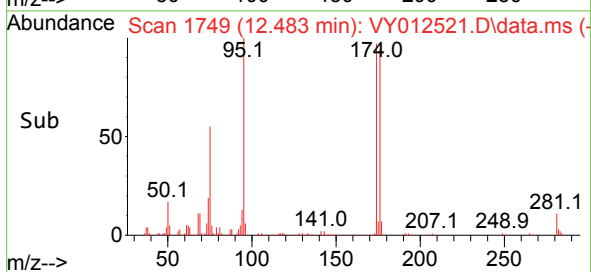
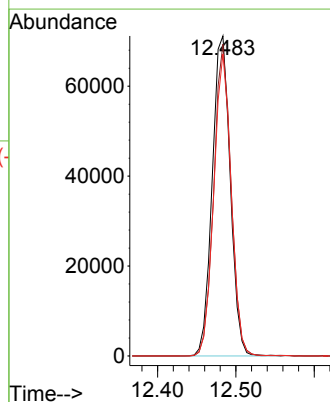
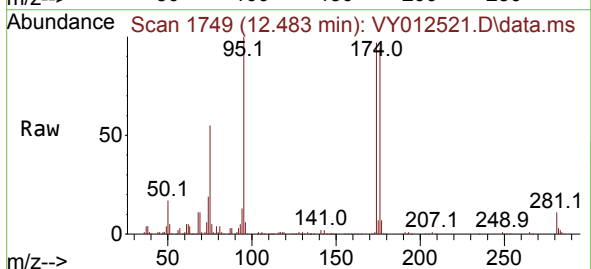
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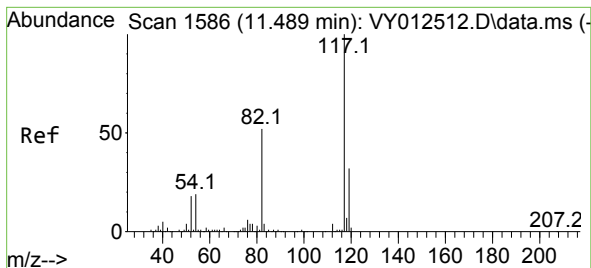
Tgt Ion: 98 Resp: 330713
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 95 Resp: 113827
Ion Ratio Lower Upper
95 100
174 93.2 0.0 188.0
176 91.2 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

A-1

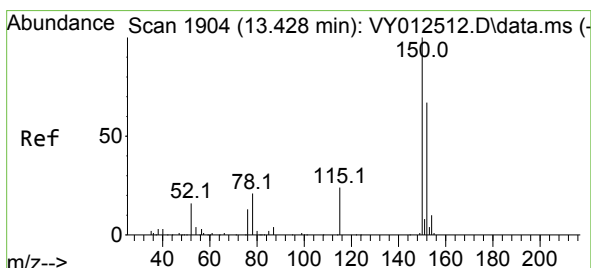
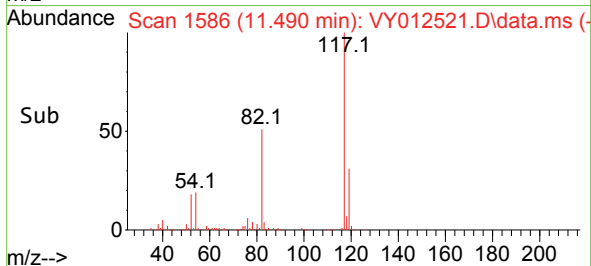
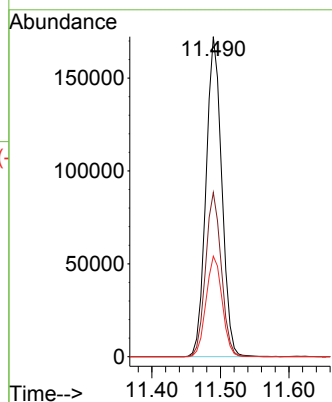
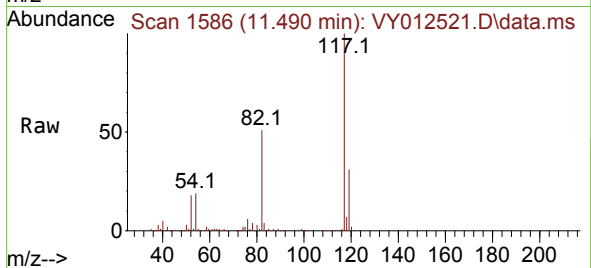
Tgt Ion:117 Resp: 276030

Ion Ratio Lower Upper

117 100

82 51.3 41.7 62.5

119 31.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

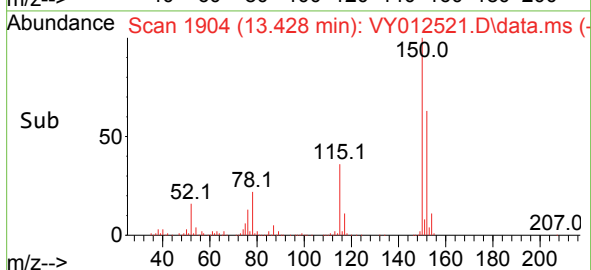
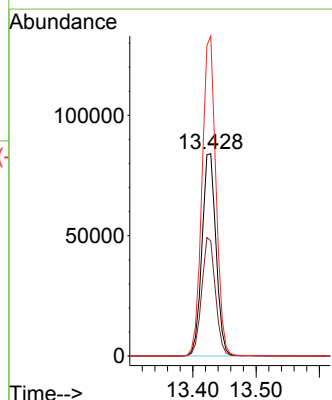
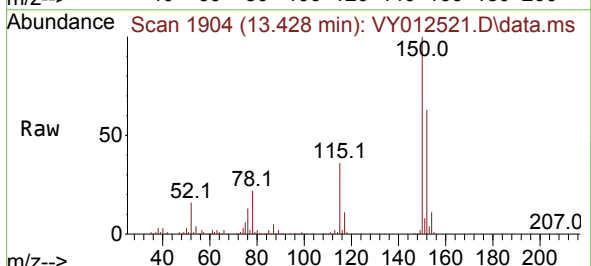
Tgt Ion:152 Resp: 130021

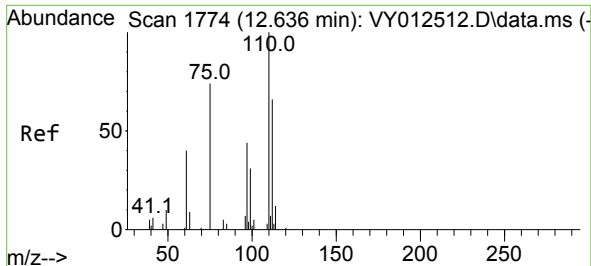
Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.3

150 156.5 0.0 351.0

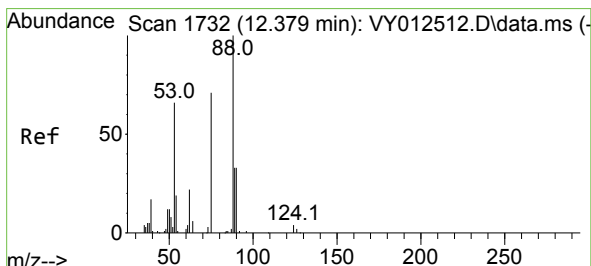
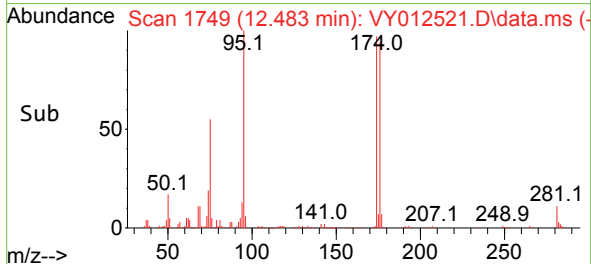
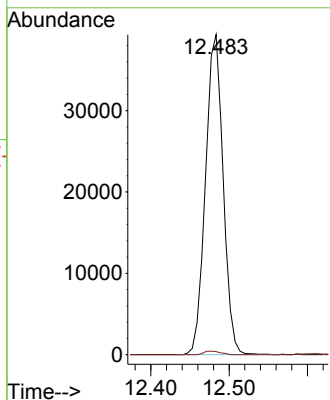
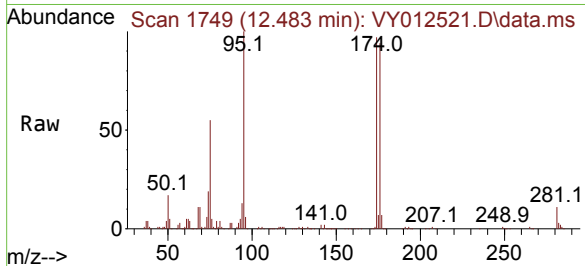




#76
1,2,3-Trichloropropane
Concen: 42.333 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Instrument :
MSVOA_Y
ClientSampleId :
A-1

Tgt Ion: 75 Resp: 61495
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.464 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 75 Resp: 61495
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.2 39.9 59.9#

