

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012473.D
 Acq On : 03 Feb 2023 13:40
 Operator : KP/MD
 Sample : 01418-01
 Misc : 4.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:08:24 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)

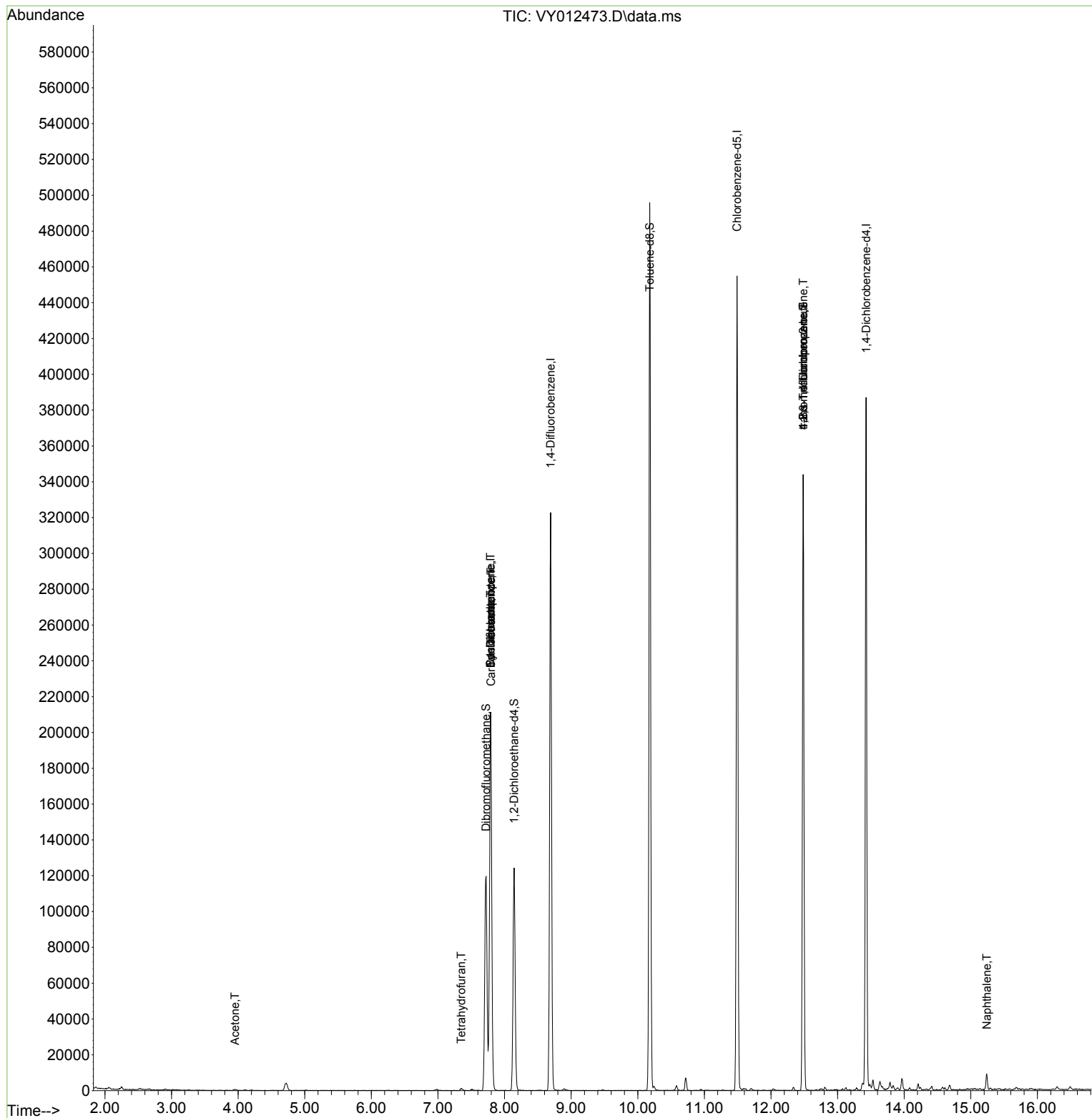
Internal Standards						
1) Pentafluorobenzene	7.789	168	166762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	101172	75.172	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.340%	
35) Dibromofluoromethane	7.722	113	83882	56.592	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.180%	
50) Toluene-d8	10.179	98	330555	65.728	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.460%	
62) 4-Bromofluorobenzene	12.483	95	98510	47.146	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	76	Below Cal	#	74
16) Acetone	3.954	43	1021	2.199	ug/l #	58
20) Methylene Chloride	4.723	84	3604	Below Cal	#	85
29) Tetrahydrofuran	7.350	42	769	2.731	ug/l #	87
31) Cyclohexane	7.789	56	2983	1.227	ug/l #	23
36) 1,1-Dichloropropene	7.789	75	11035	4.381	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16123	4.956	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	52157	55.134	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52157	113.601	ug/l #	13
95) Naphthalene	15.239	128	7766	1.938	ug/l	98

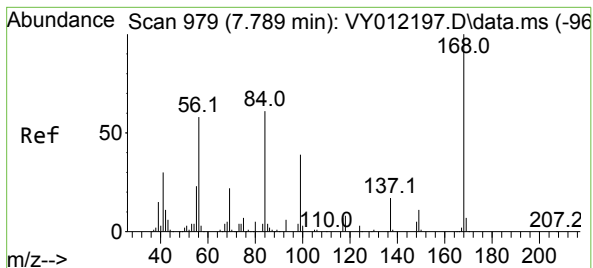
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY012473.D

Acq: 03 Feb 2023 13:40

Instrument :

MSVOA_Y

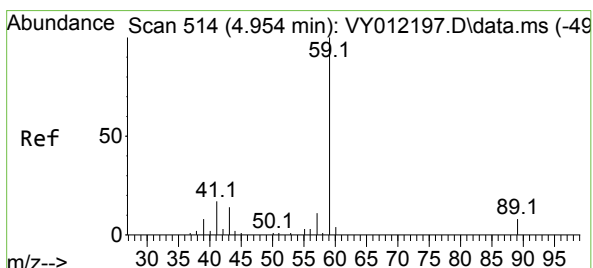
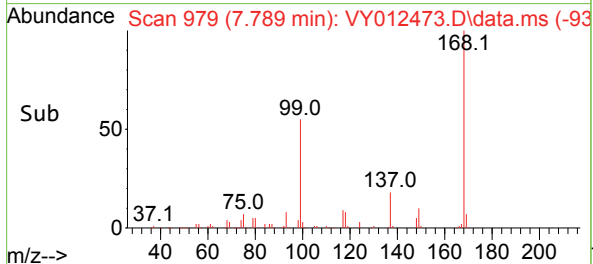
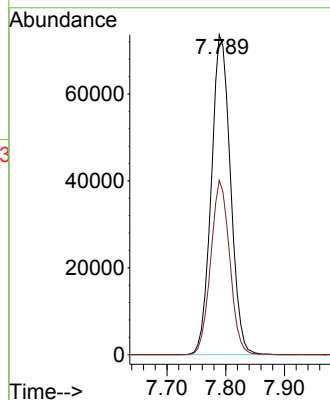
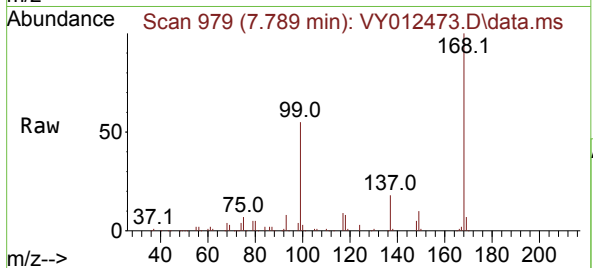
ClientSampleId :

Tgt Ion:168 Resp: 166762

Ion Ratio Lower Upper

168 100

99 54.5 44.0 66.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY012473.D

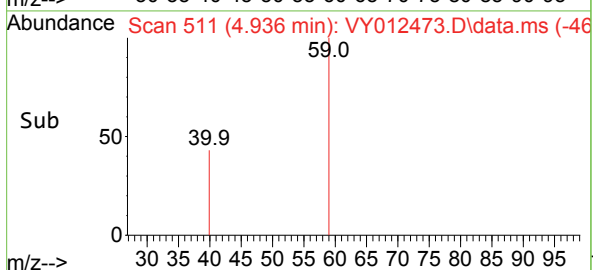
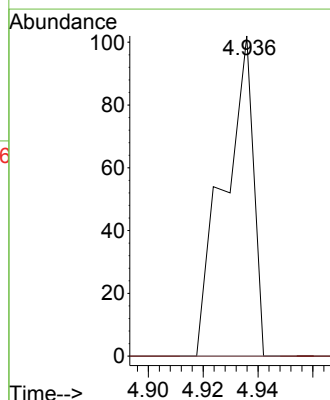
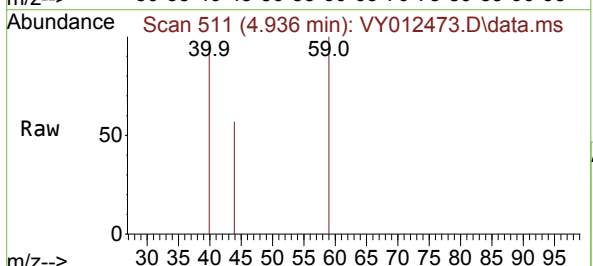
Acq: 03 Feb 2023 13:40

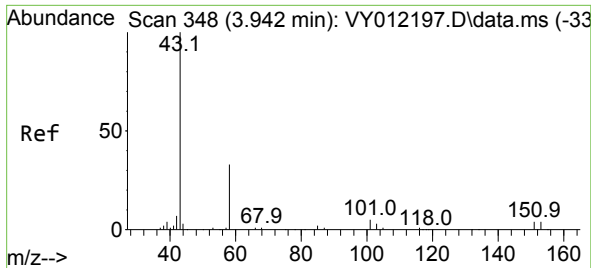
Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

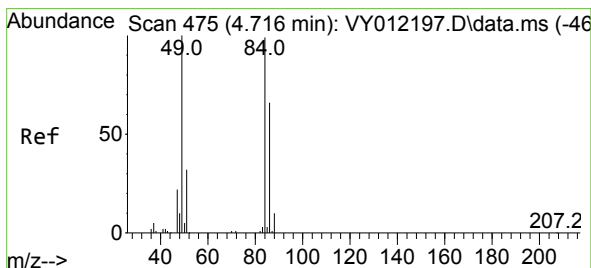
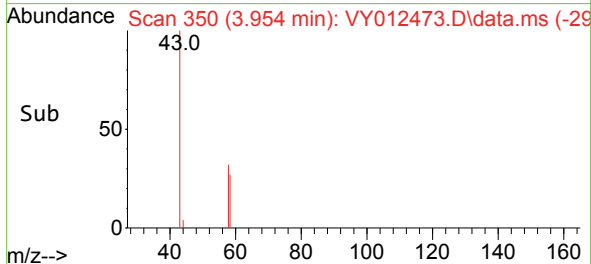
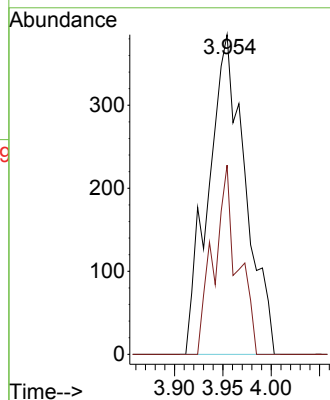
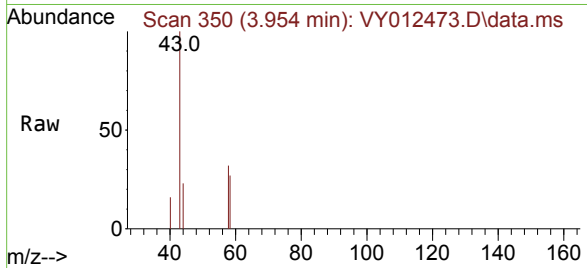




#16
Acetone
Concen: 2.199 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

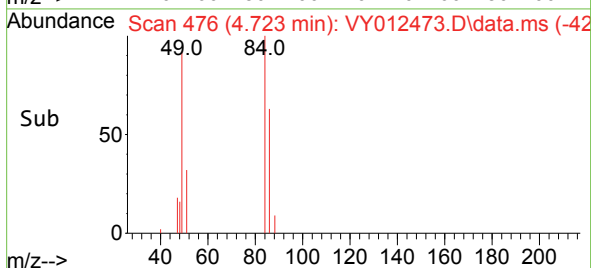
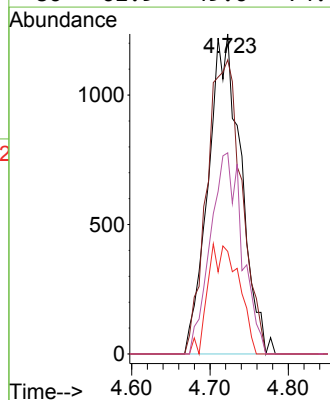
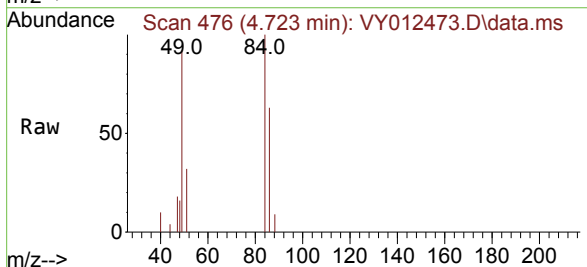
Instrument :
MSVOA_Y
ClientSampleId :

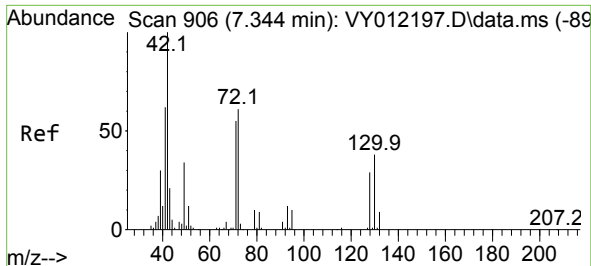
Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
58 59.2 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

Tgt Ion: 84 Resp: 3604
Ion Ratio Lower Upper
84 100
49 91.9 95.4 143.2#
51 32.0 29.9 44.9
86 62.9 49.6 74.4





#29

Tetrahydrofuran

Concen: 2.731 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

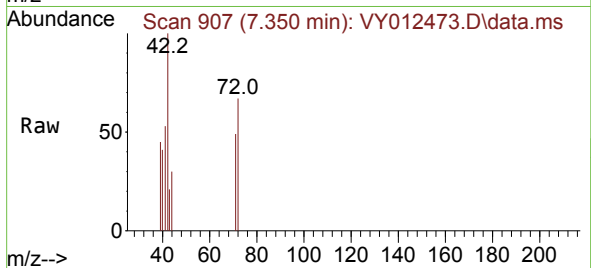
Lab File: VY012473.D

Acq: 03 Feb 2023 13:40

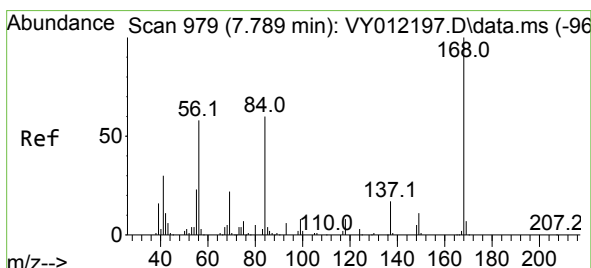
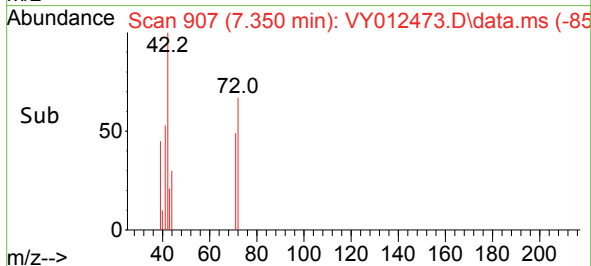
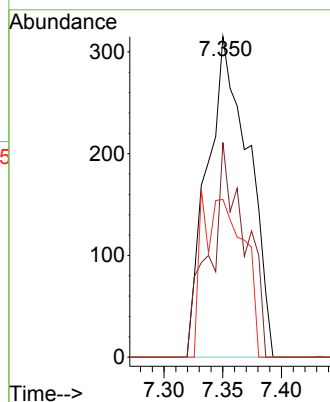
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	769
Ion	Ratio	Lower	Upper
42	100		
72	57.1	37.0	55.6#
71	50.1	34.9	52.3



#31

Cyclohexane

Concen: 1.227 ug/l

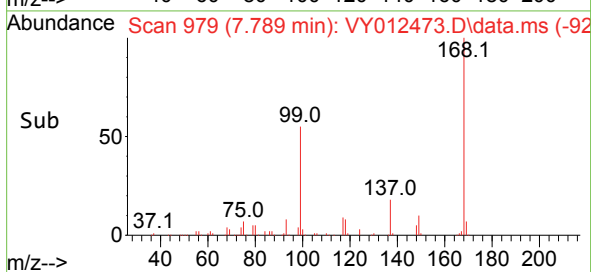
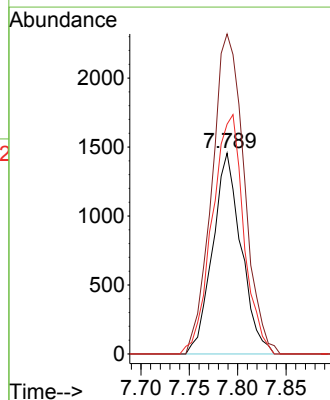
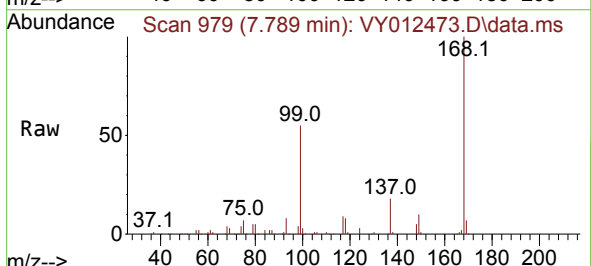
RT: 7.789 min Scan# 979

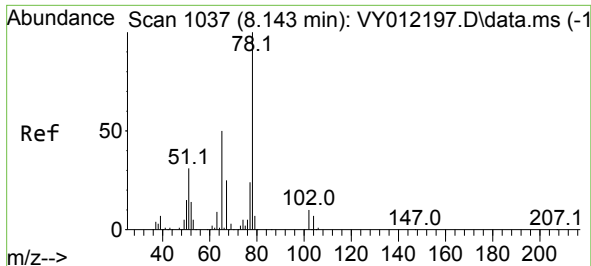
Delta R.T. 0.006 min

Lab File: VY012473.D

Acq: 03 Feb 2023 13:40

Tgt Ion:	56	Resp:	2983
Ion	Ratio	Lower	Upper
56	100		
69	159.3	29.2	43.8#
84	114.4	72.6	108.8#

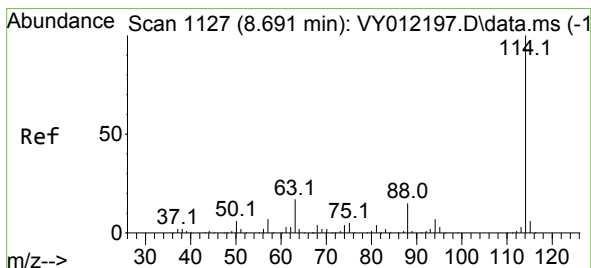
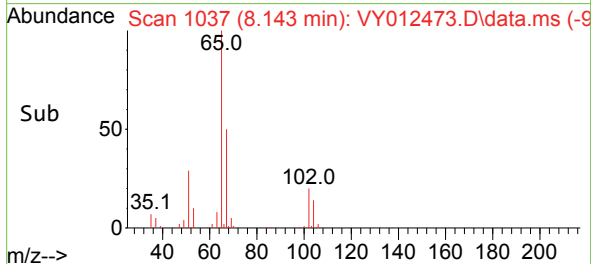
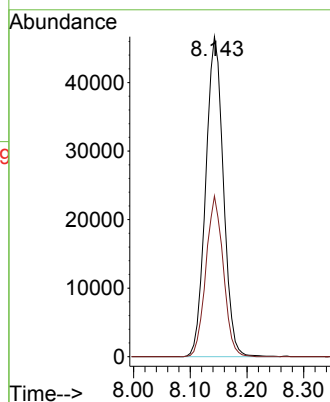
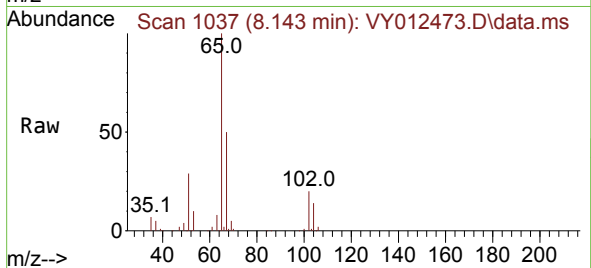




#33
 1,2-Dichloroethane-d4
 Concen: 75.172 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012473.D
 Acq: 03 Feb 2023 13:40

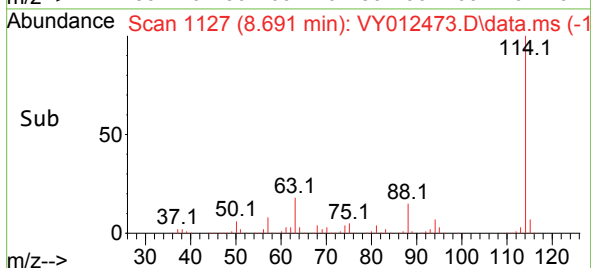
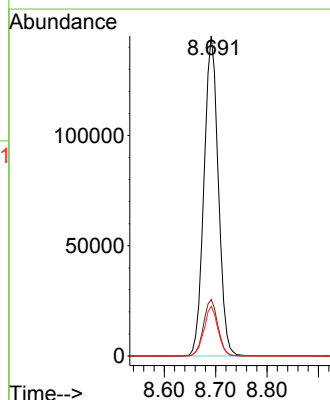
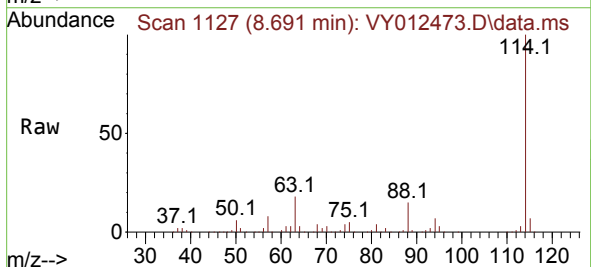
Instrument :
 MSVOA_Y
 ClientSampleId :

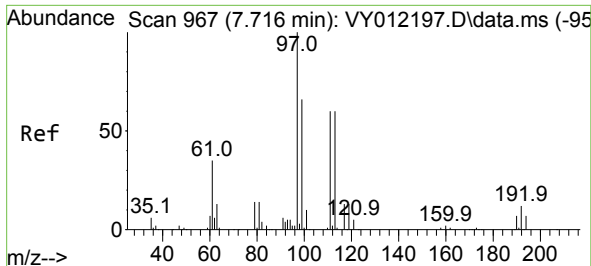
Tgt Ion: 65 Resp: 101172
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012473.D
 Acq: 03 Feb 2023 13:40

Tgt Ion:114 Resp: 279927
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 39.6
 88 15.5 0.0 32.2

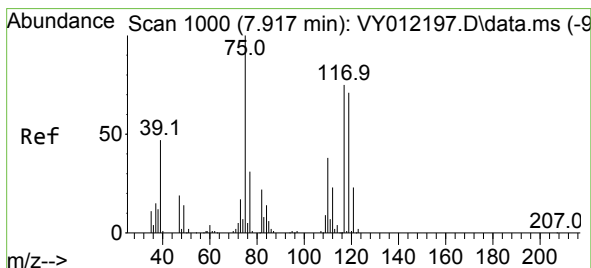
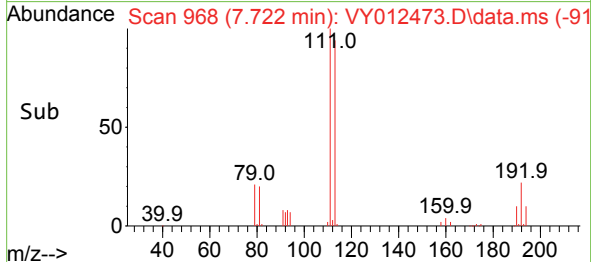
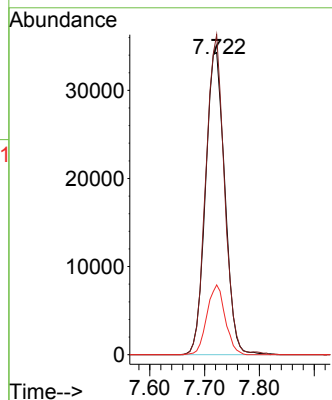
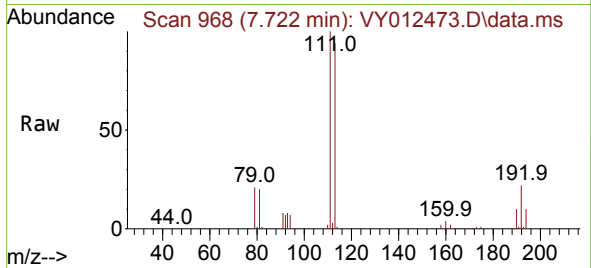




#35
Dibromofluoromethane
Concen: 56.592 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

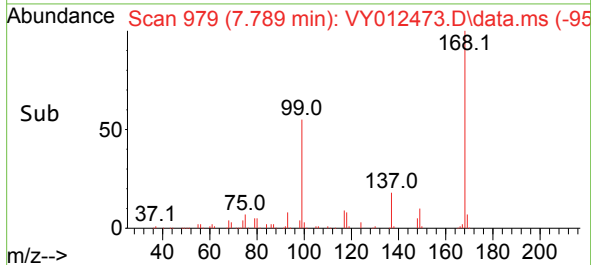
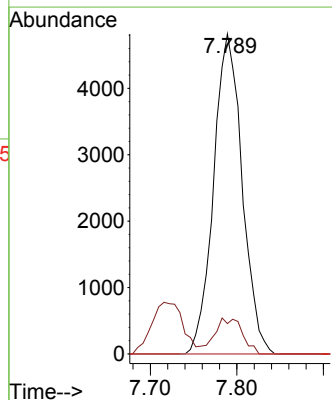
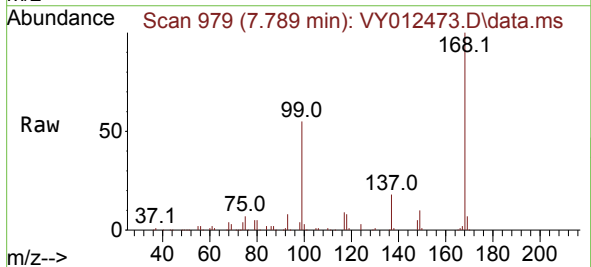
Instrument :
MSVOA_Y
ClientSampleId :

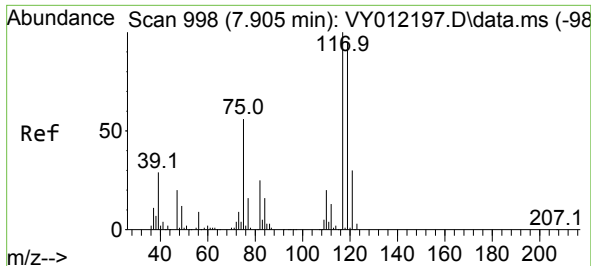
Tgt Ion:113 Resp: 83882
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.381 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

Tgt Ion: 75 Resp: 11035
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.1#
77 0.0 25.1 37.7#

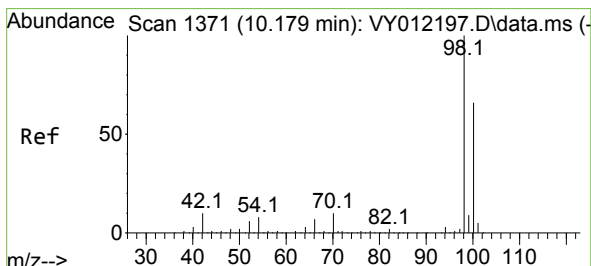
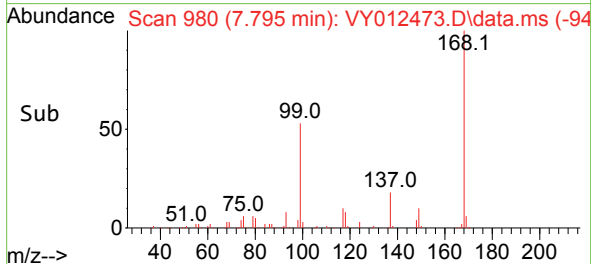
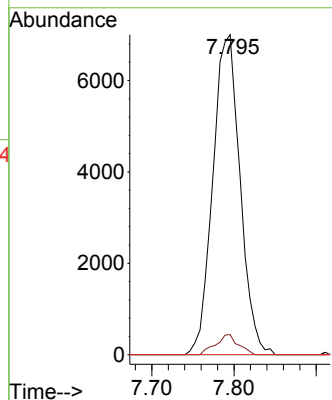
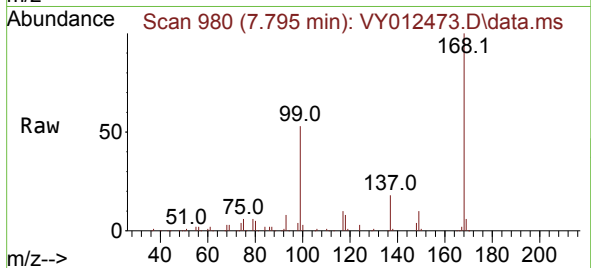




#38
Carbon Tetrachloride
Concen: 4.956 ug/l
RT: 7.795 min Scan# 998
Delta R.T. -0.104 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

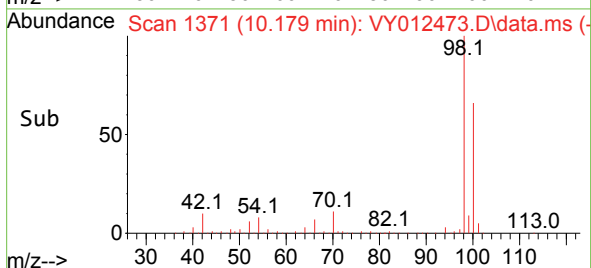
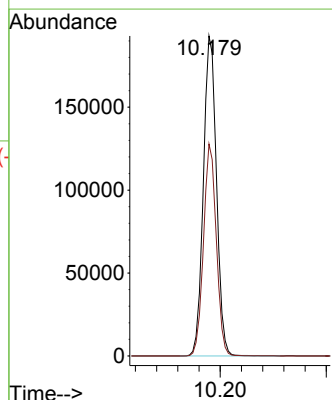
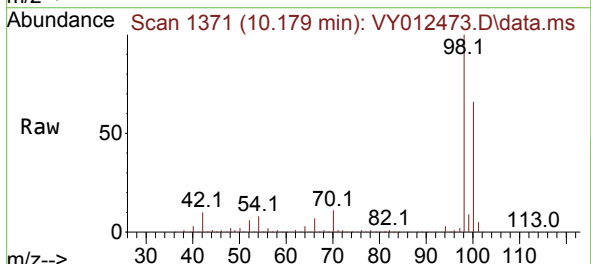
Instrument :
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ClientSampleId :

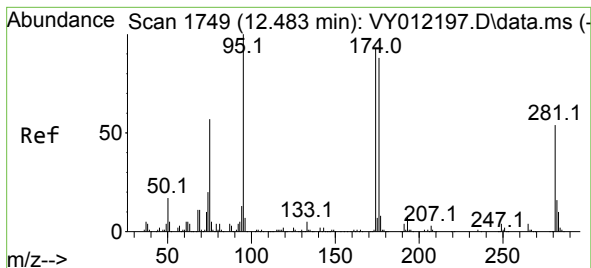
Tgt Ion:117 Resp: 16123
Ion Ratio Lower Upper
117 100
119 6.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.728 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

Tgt Ion: 98 Resp: 330555
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 47.146 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012473.D

Acq: 03 Feb 2023 13:40

Instrument :

MSVOA_Y

ClientSampleId :

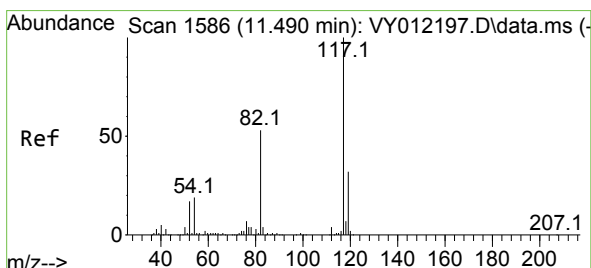
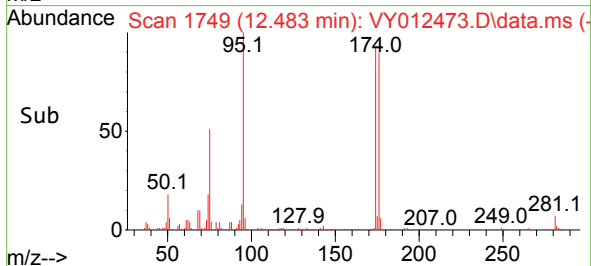
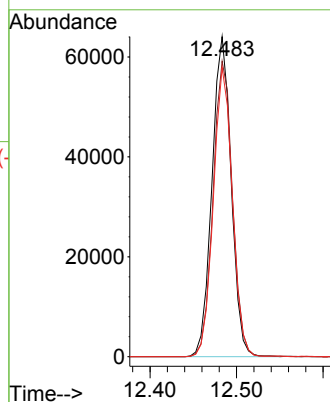
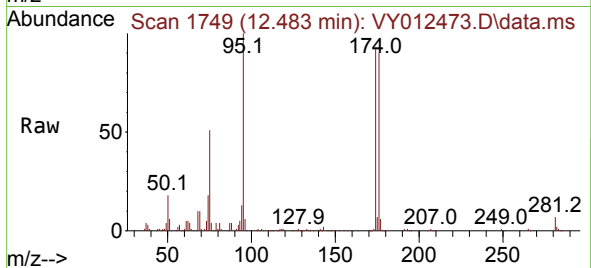
Tgt Ion: 95 Resp: 98510

Ion Ratio Lower Upper

95 100

174 93.6 0.0 172.0

176 89.4 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: VY012473.D

Acq: 03 Feb 2023 13:40

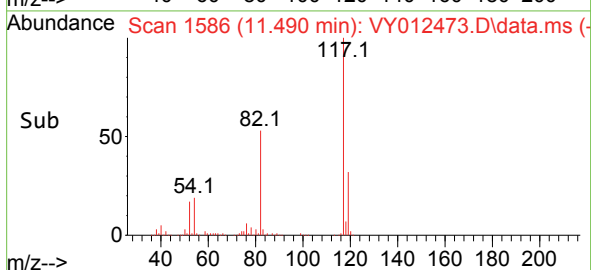
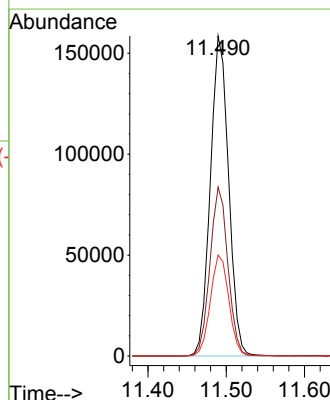
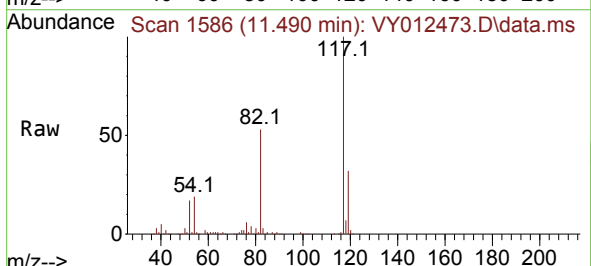
Tgt Ion: 117 Resp: 256424

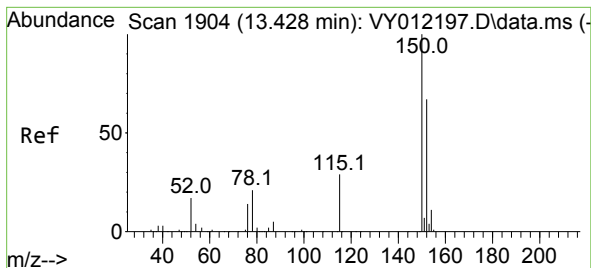
Ion Ratio Lower Upper

117 100

82 52.7 44.8 67.2

119 31.5 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

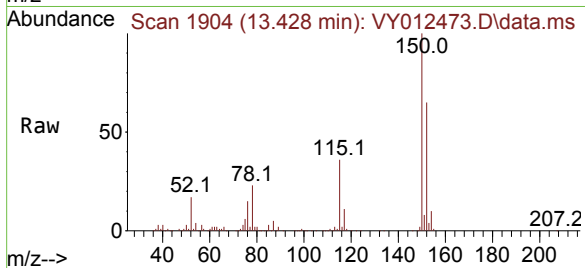
Lab File: VY012473.D

Acq: 03 Feb 2023 13:40

Instrument :

MSVOA_Y

ClientSampleId :



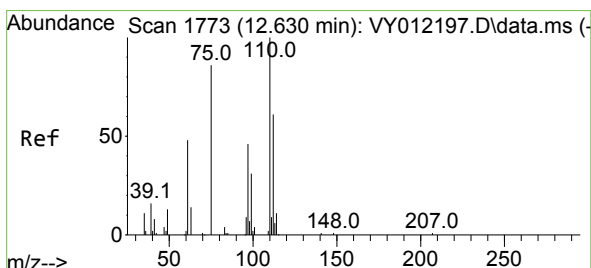
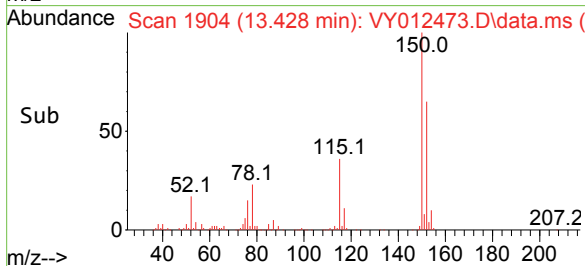
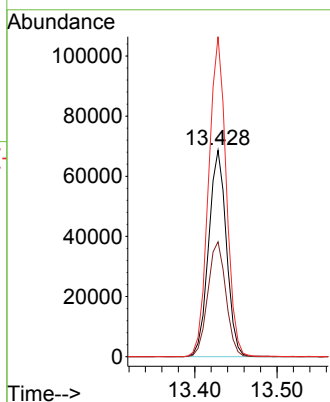
Tgt Ion:152 Resp: 102878

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.3

150 154.2 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 55.134 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012473.D

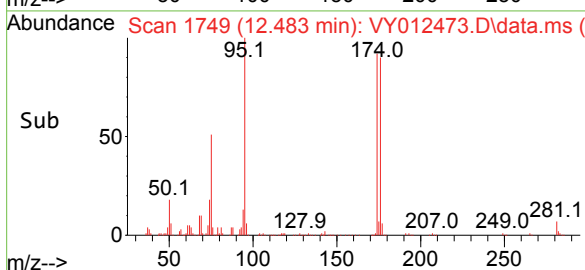
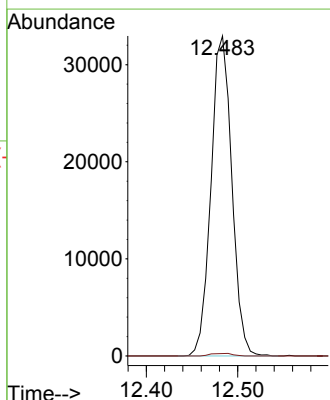
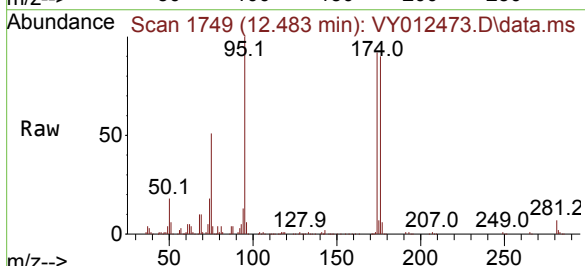
Acq: 03 Feb 2023 13:40

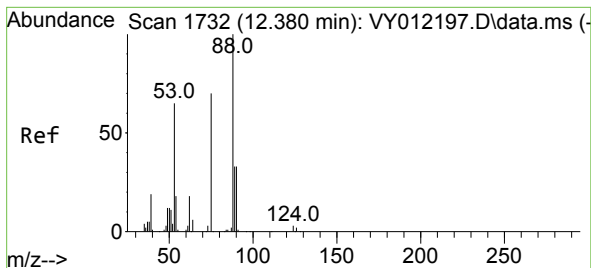
Tgt Ion: 75 Resp: 52157

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

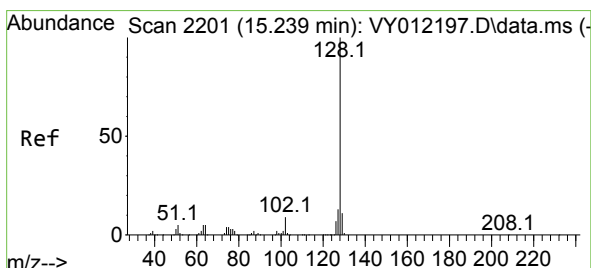
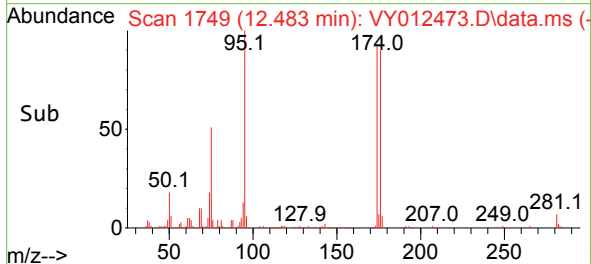
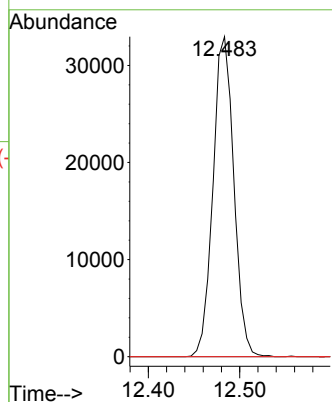
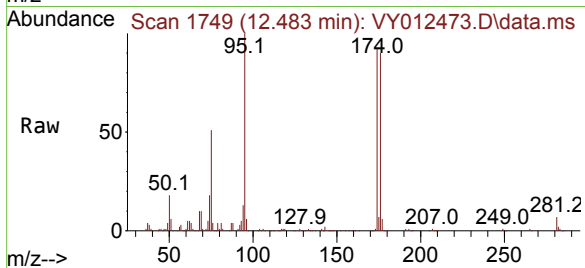




#81
trans-1,4-Dichloro-2-butene
Concen: 113.601 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52157
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.938 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012473.D
Acq: 03 Feb 2023 13:40

Tgt Ion:128 Resp: 7766
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 10.3 8.8 13.2

