

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015397.D
 Acq On : 31 Aug 2023 12:41
 Operator : SY/MD
 Sample : 04249-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 00:45:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

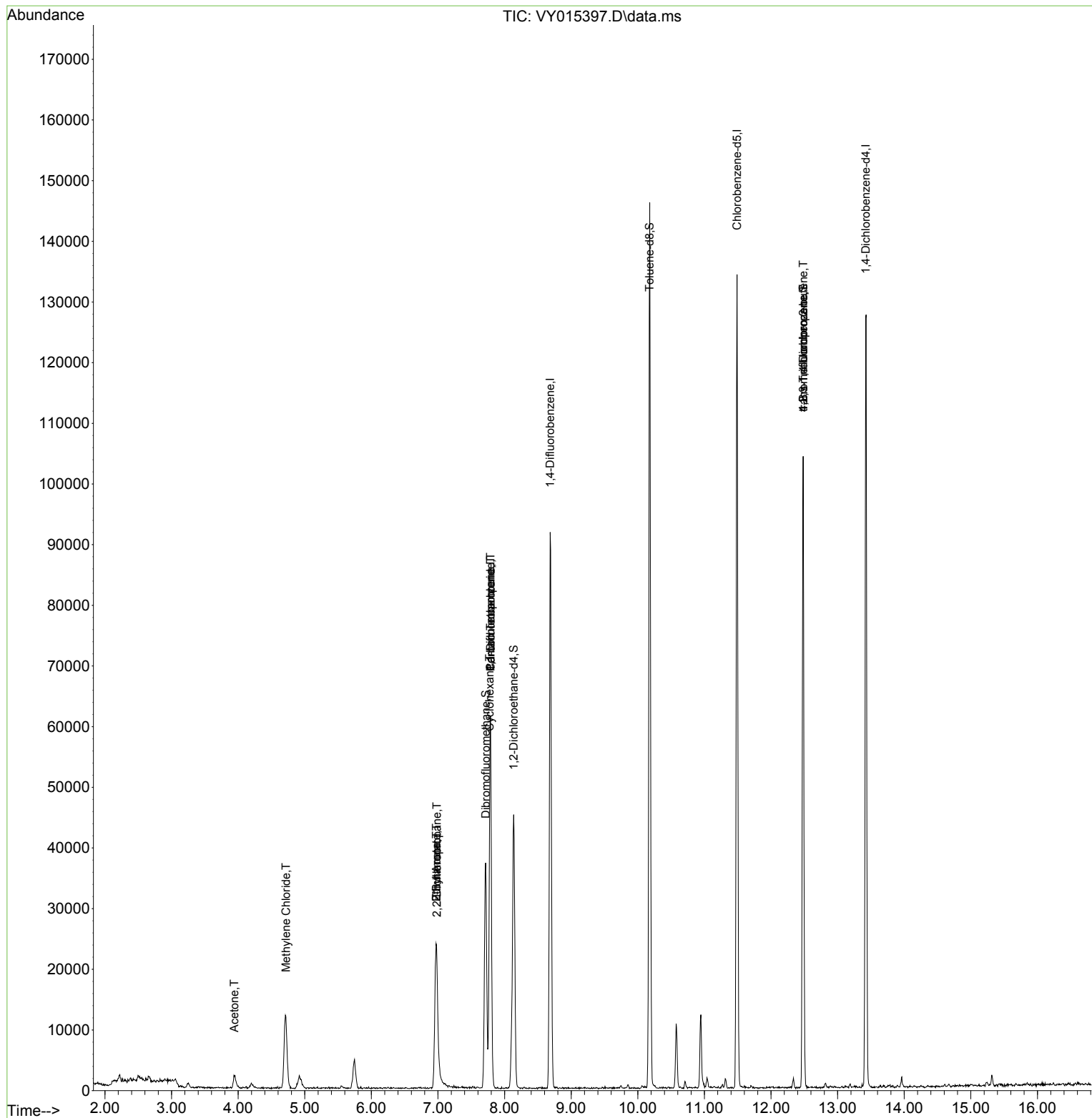
Internal Standards						
1) Pentafluorobenzene	7.789	168	48413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	78640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	72238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	33560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	32303	62.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.480%	
35) Dibromofluoromethane	7.716	113	26398	58.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.560%	
50) Toluene-d8	10.179	98	93188	56.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.620%	
62) 4-Bromofluorobenzene	12.483	95	30040	49.332	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	1382	Below Cal	#	89
16) Acetone	3.942	43	3902	18.013	ug/l	99
20) Methylene Chloride	4.716	84	9292	8.007	ug/l	84
25) 2-Butanone	6.978	43	1323	4.306	ug/l	# 72
26) 2,2-Dichloropropane	6.984	77	2033	2.471	ug/l	# 54
31) Cyclohexane	7.777	56	1064	1.154	ug/l	# 9
36) 1,1-Dichloropropene	7.789	75	3917	4.925	ug/l	# 49
37) Ethyl Acetate	6.978	43	1323	2.157	ug/l	# 1
38) Carbon Tetrachloride	7.789	117	4793	5.835	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	16372	36.788	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	16372	81.150	ug/l	# 10

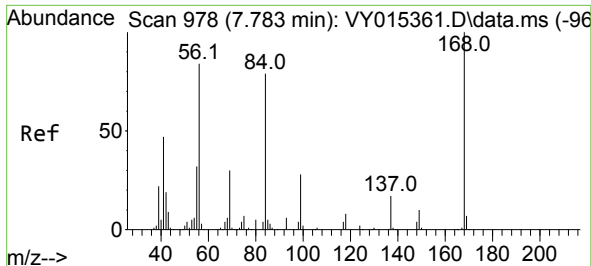
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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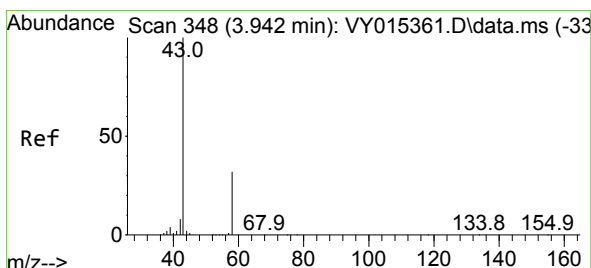
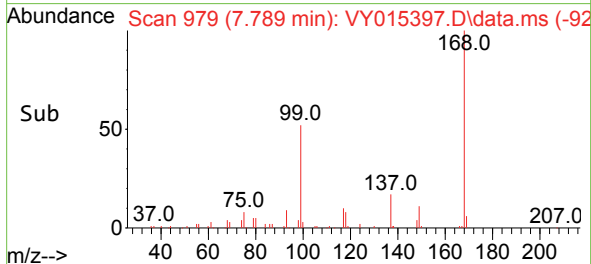
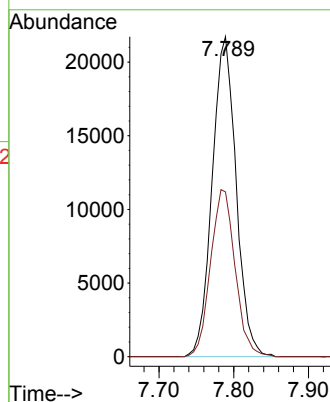
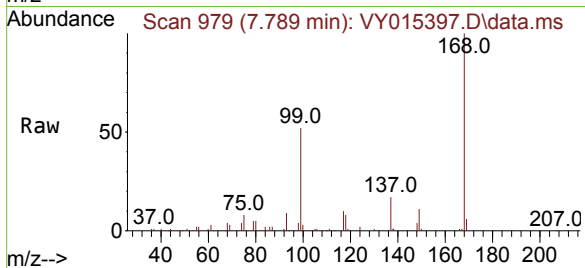




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

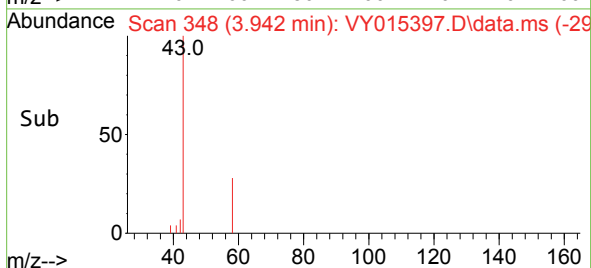
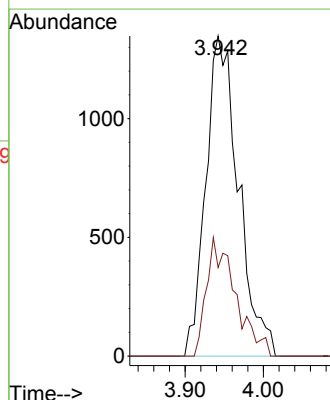
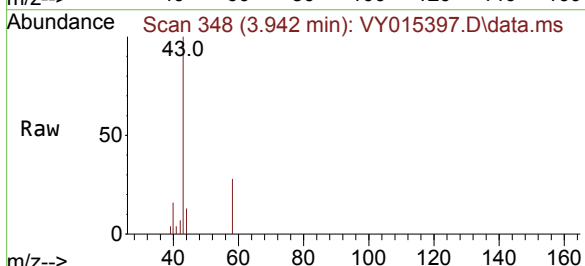
Instrument :
MSVOA_Y
ClientSampleId :

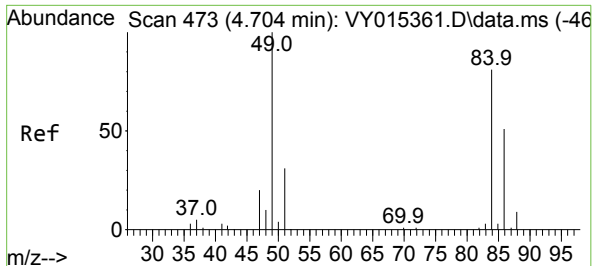
Tgt Ion:168 Resp: 48413
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#16
Acetone
Concen: 18.013 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion: 43 Resp: 3902
Ion Ratio Lower Upper
43 100
58 27.7 22.7 34.1





#20

Methylene Chloride

Concen: 8.007 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

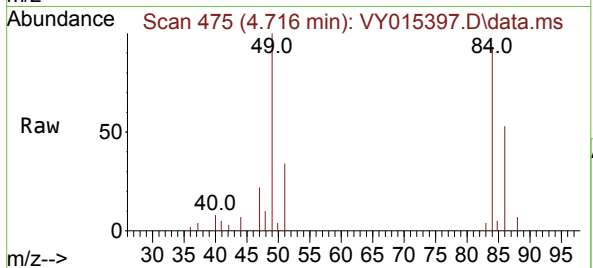
Lab File: VY015397.D

Acq: 31 Aug 2023 12:41

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9292

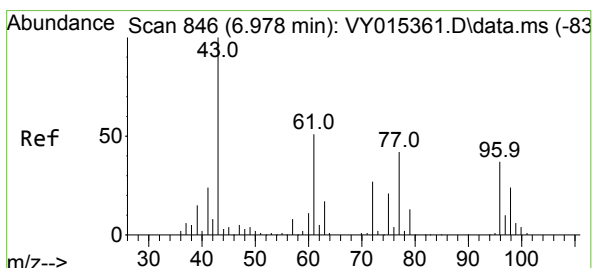
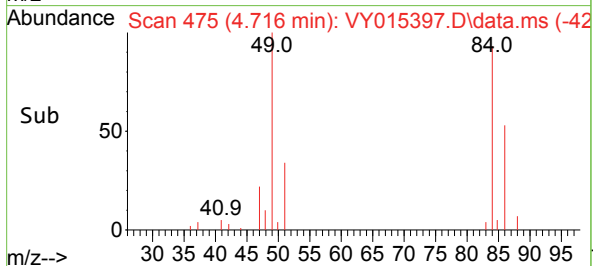
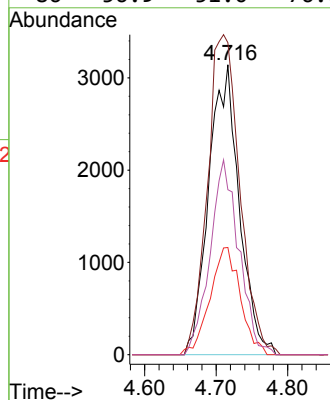
Ion Ratio Lower Upper

84 100

49 107.6 106.9 160.3

51 37.0 33.2 49.8

86 56.9 51.0 76.6



#25

2-Butanone

Concen: 4.306 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015397.D

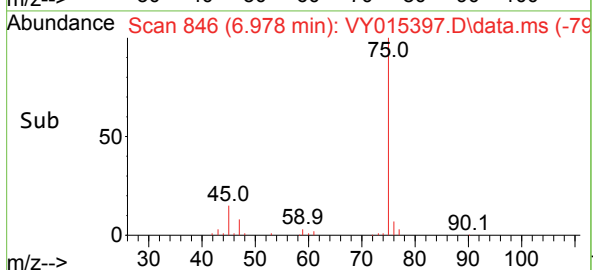
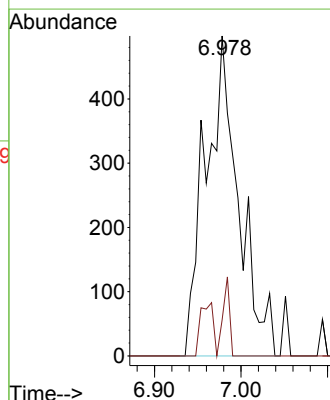
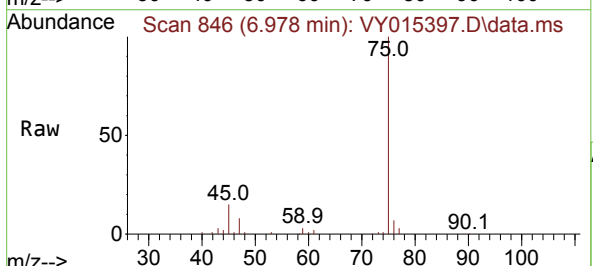
Acq: 31 Aug 2023 12:41

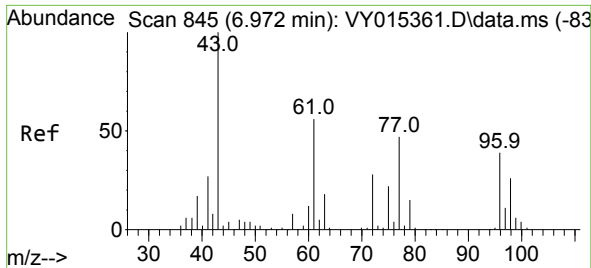
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

72 11.2 20.5 30.7#

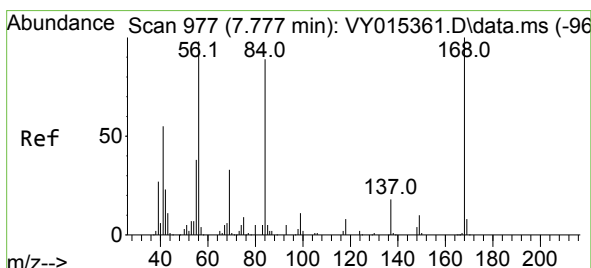
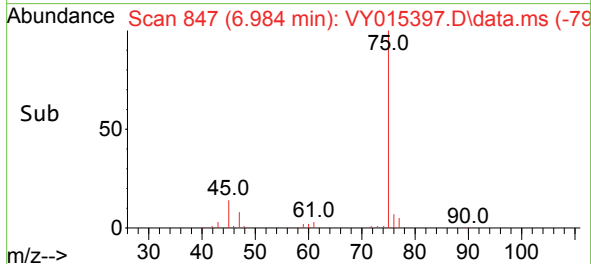
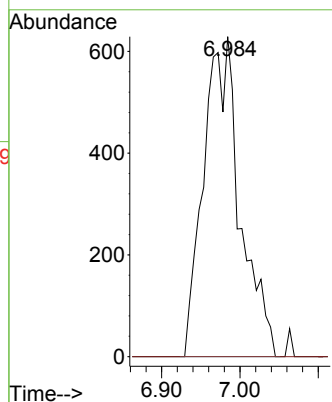
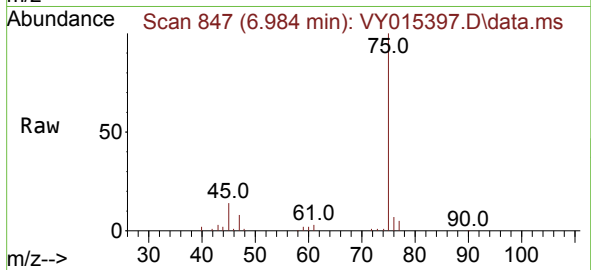




#26
2,2-Dichloropropane
Concen: 2.471 ug/l
RT: 6.984 min Scan# 845
Delta R.T. 0.012 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

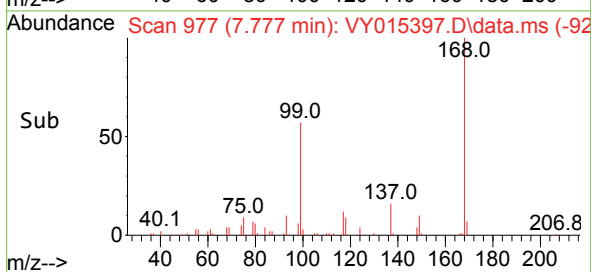
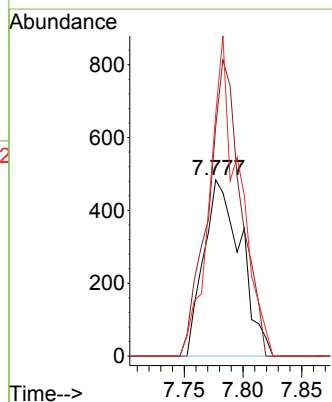
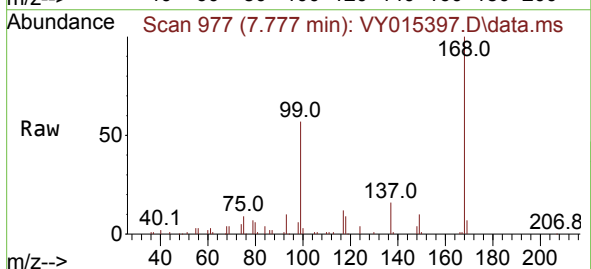
Instrument :
MSVOA_Y
ClientSampleId :

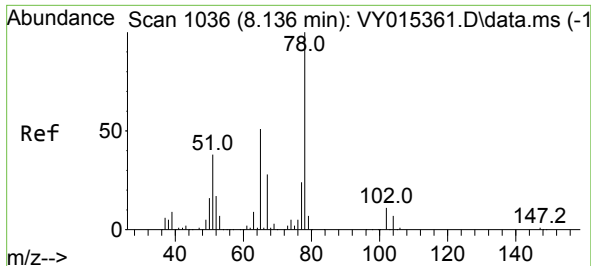
Tgt Ion: 77 Resp: 2033
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion: 56 Resp: 1064
Ion Ratio Lower Upper
56 100
69 130.4 27.8 41.6#
84 137.2 66.4 99.6#

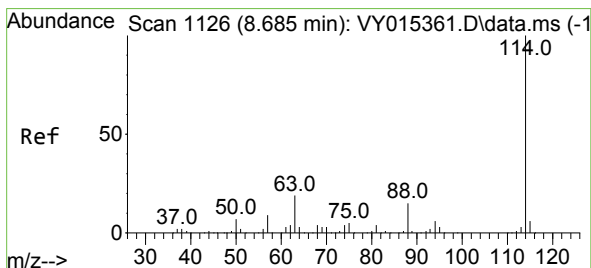
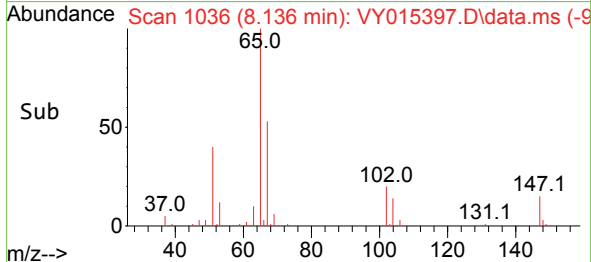
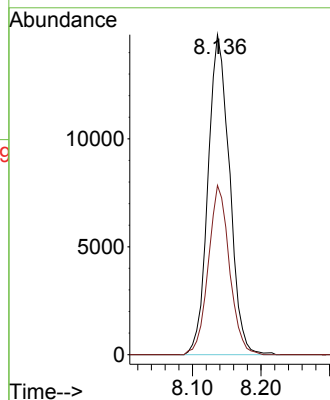
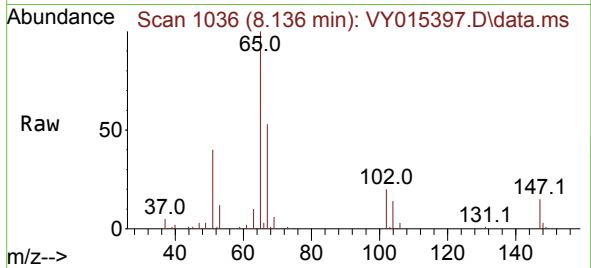




#33
1,2-Dichloroethane-d4
Concen: 62.243 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

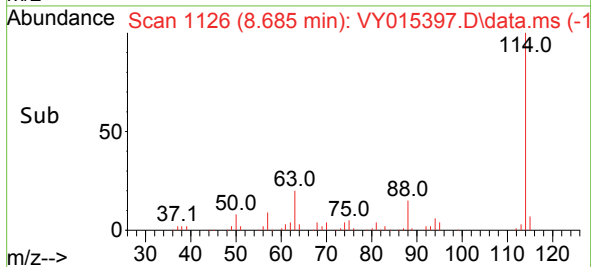
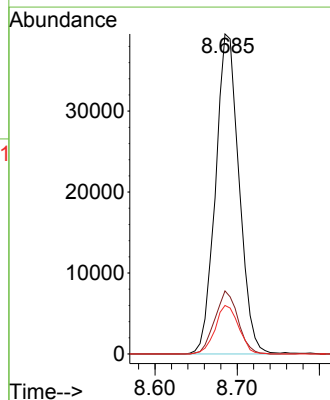
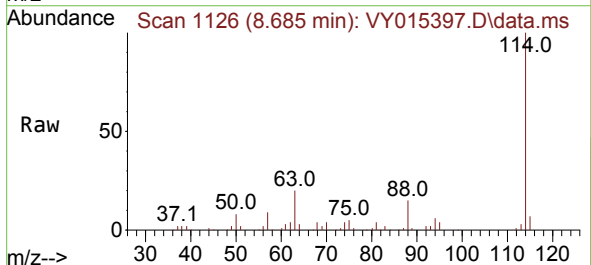
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 65 Resp: 32303
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion:114 Resp: 78640
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 15.1 0.0 30.6

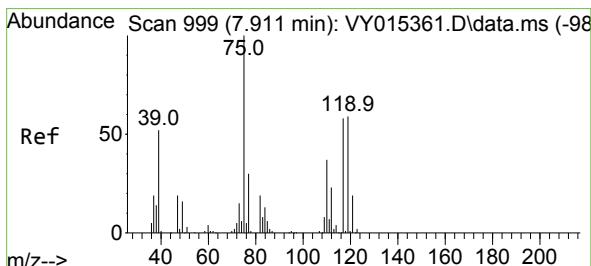
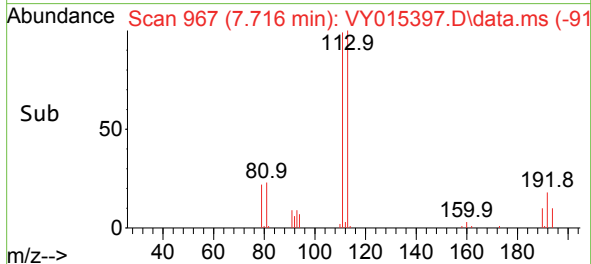
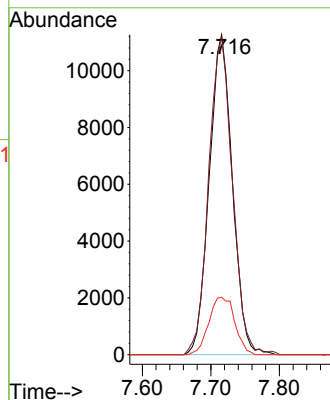
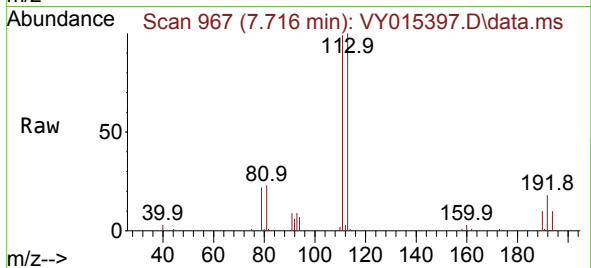




#35
Dibromofluoromethane
Concen: 58.280 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

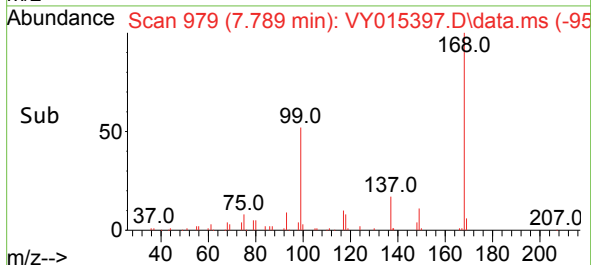
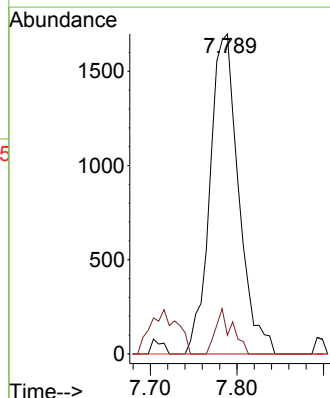
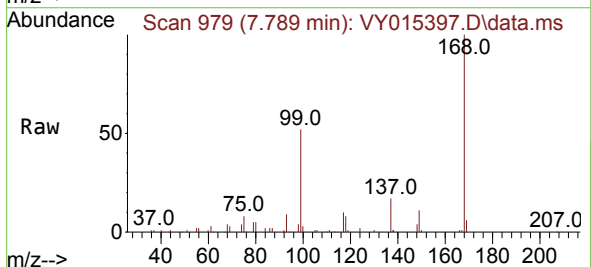
Instrument :
MSVOA_Y
ClientSampleId :

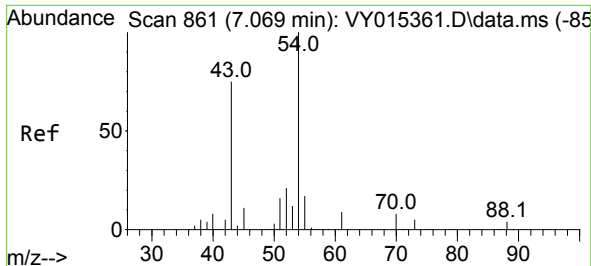
Tgt Ion:113 Resp: 26398
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion: 75 Resp: 3917
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.157 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY015397.D

Acq: 31 Aug 2023 12:41

Instrument :

MSVOA_Y

ClientSampleId :

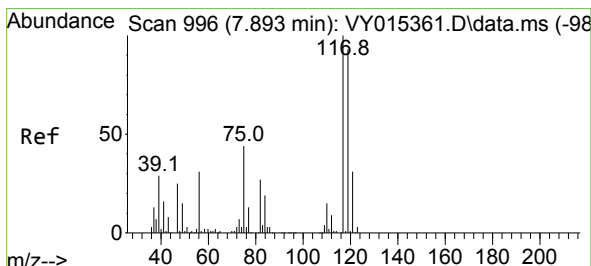
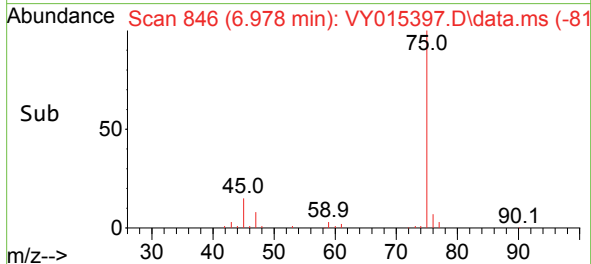
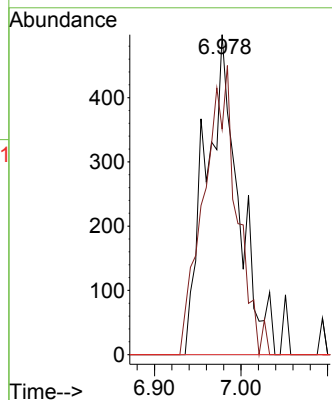
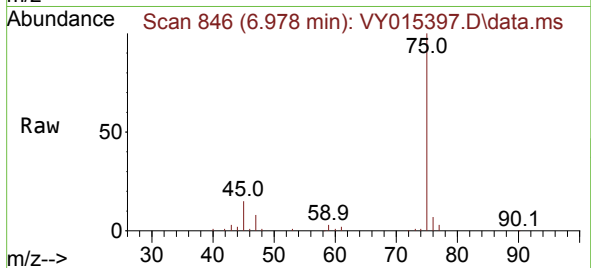
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

61 90.2 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY015397.D

Acq: 31 Aug 2023 12:41

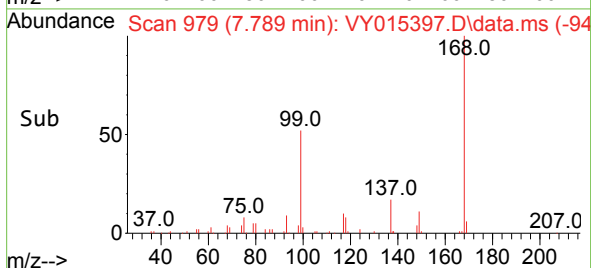
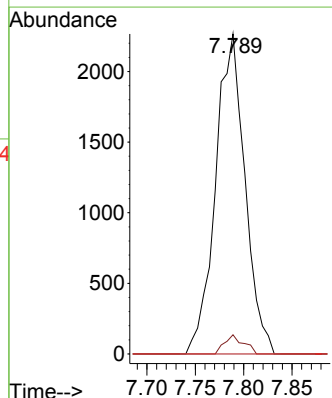
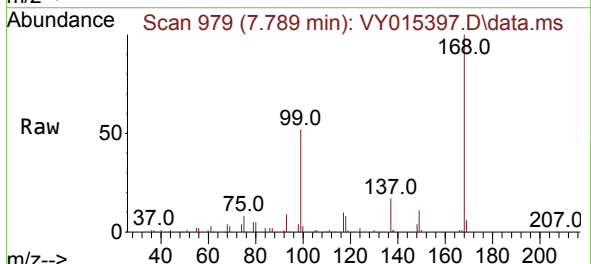
Tgt Ion: 117 Resp: 4793

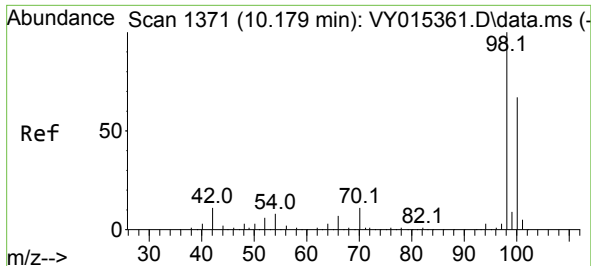
Ion Ratio Lower Upper

117 100

119 6.0 76.4 114.6#

121 0.0 25.8 38.6#

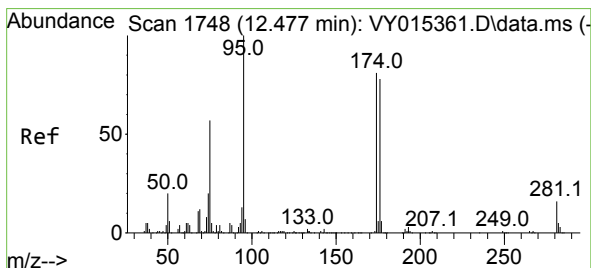
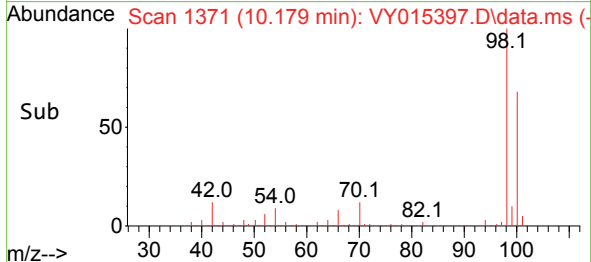
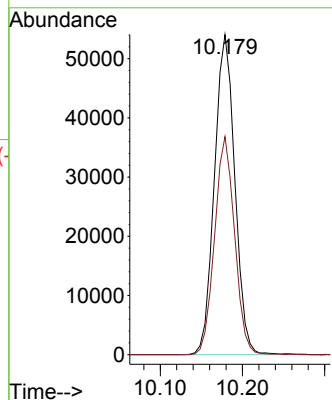
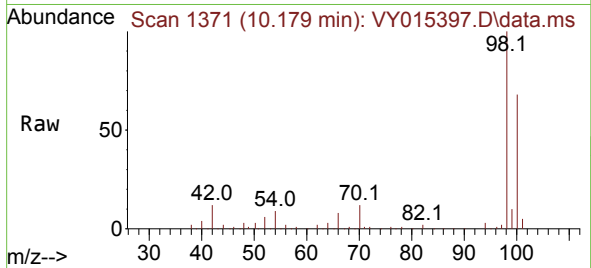




#50
Toluene-d8
Concen: 56.812 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

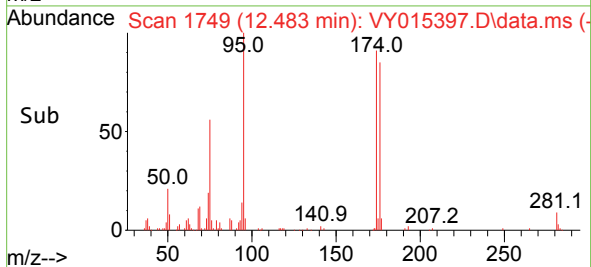
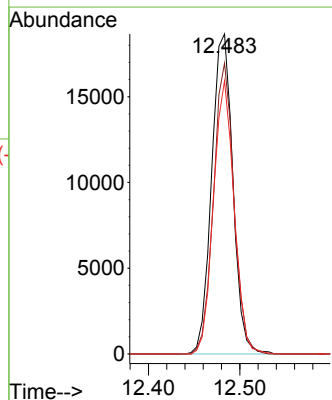
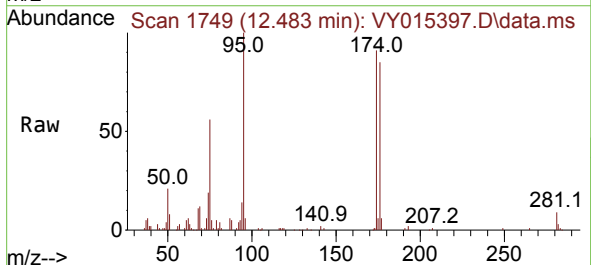
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 93188
Ion Ratio Lower Upper
98 100
100 66.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.332 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion: 95 Resp: 30040
Ion Ratio Lower Upper
95 100
174 87.4 0.0 178.2
176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

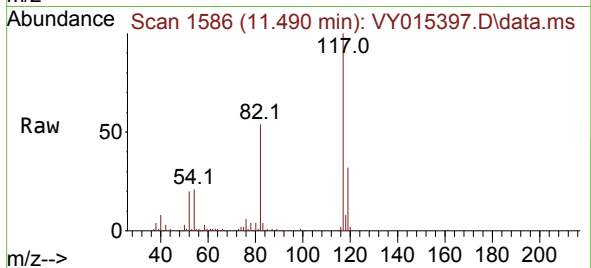
Lab File: VY015397.D

Acq: 31 Aug 2023 12:41

Instrument :

MSVOA_Y

ClientSampleId :



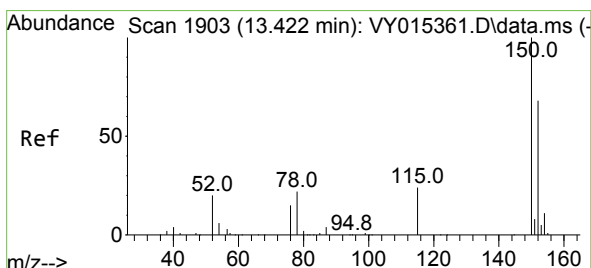
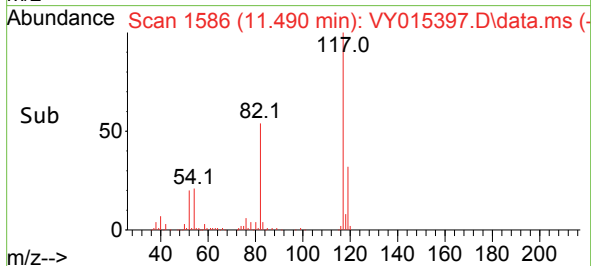
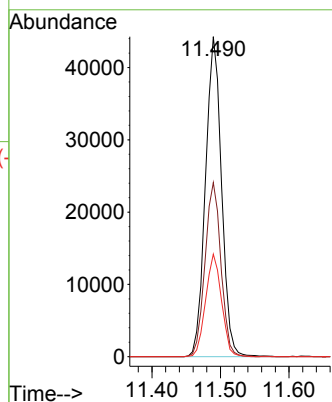
Tgt Ion:117 Resp: 72238

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015397.D

Acq: 31 Aug 2023 12:41

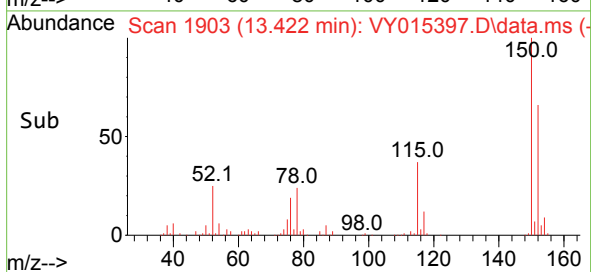
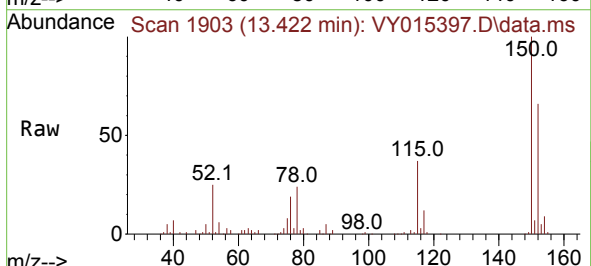
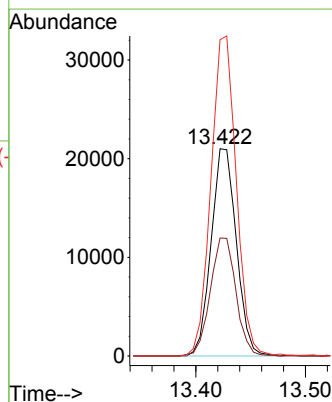
Tgt Ion:152 Resp: 33560

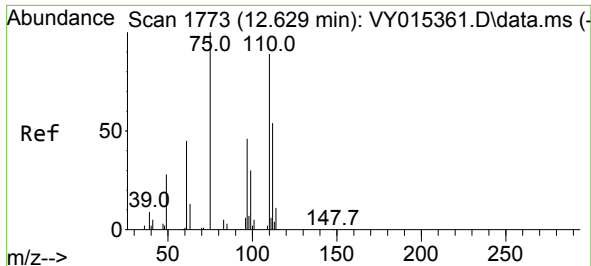
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 155.3 0.0 348.8

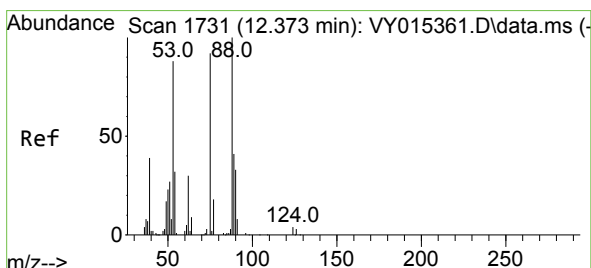
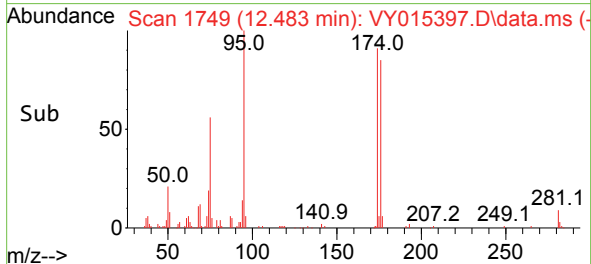
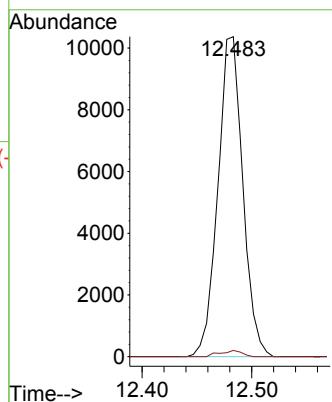
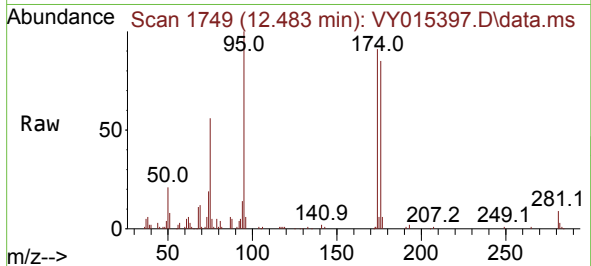




#76
1,2,3-Trichloropropane
Concen: 36.788 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 16372
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.150 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015397.D
Acq: 31 Aug 2023 12:41

Tgt Ion: 75 Resp: 16372
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

