

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101323\
 Data File : VY015970.D
 Acq On : 13 Oct 2023 20:10
 Operator : SY/MD
 Sample : 04887-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:52:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

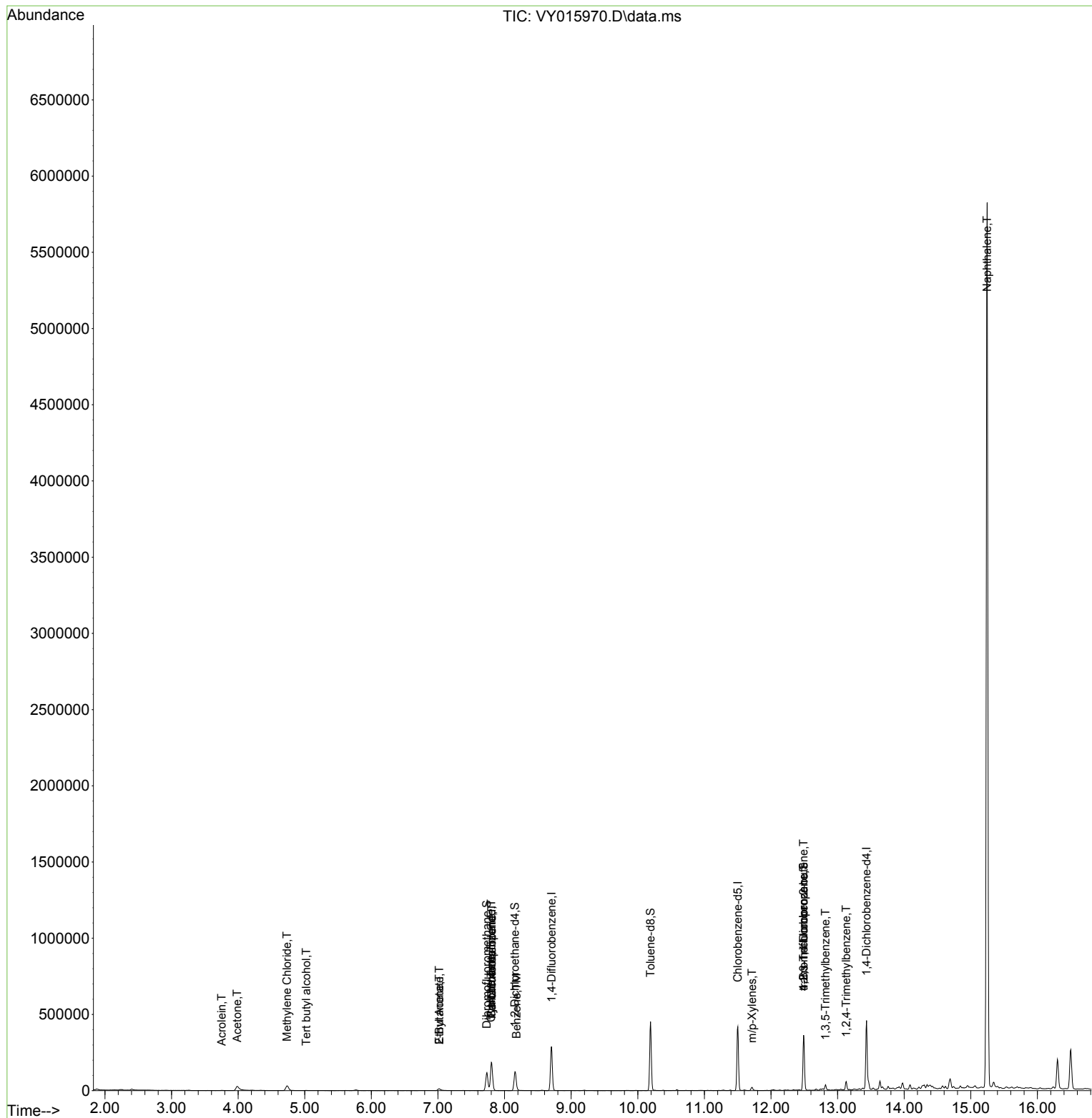
Internal Standards						
1) Pentafluorobenzene	7.807	168	144303	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	248560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	236377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	115155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	98524	59.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.640%
35) Dibromofluoromethane	7.734	113	84146	53.774	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.540%
50) Toluene-d8	10.191	98	294767	50.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.489	95	104763	50.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	565	Below Cal	#	87
11) Tert butyl alcohol	5.021	59	2710	2.836	ug/l #	96
13) Acrolein	3.753	56	2190	7.041	ug/l	99
16) Acetone	3.985	43	77244	80.743	ug/l #	89
20) Methylene Chloride	4.735	84	24732	10.238	ug/l	91
25) 2-Butanone	7.021	43	24632	17.691	ug/l #	89
31) Cyclohexane	7.795	56	3150	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	11099	4.701	ug/l #	49
37) Ethyl Acetate	7.021	43	24632	6.761	ug/l #	71
38) Carbon Tetrachloride	7.801	117	14100	5.670	ug/l #	16
40) Benzene	8.179	78	10465	1.532	ug/l	95
68) m/p-Xylenes	11.715	106	5807	1.738	ug/l	97
76) 1,2,3-Trichloropropane	12.489	75	55345	24.559	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	11529	1.702	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.489	75	55345	57.852	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.130	105	30076	4.424	ug/l	98
95) Naphthalene	15.245	128	4684370	595.781	ug/l	99

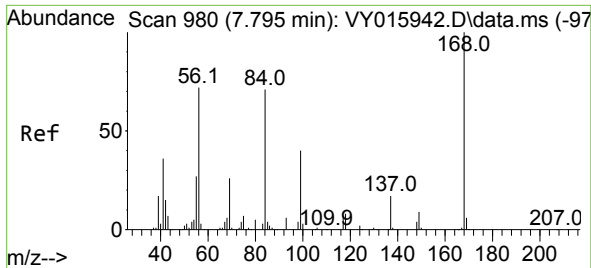
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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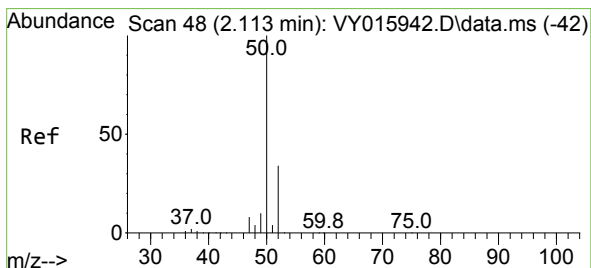
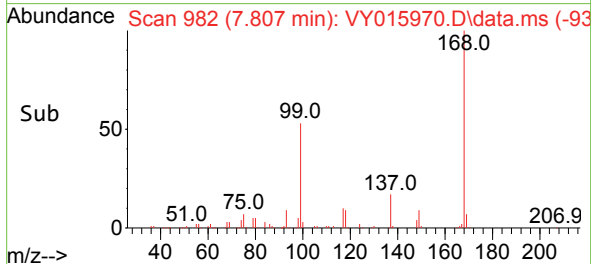
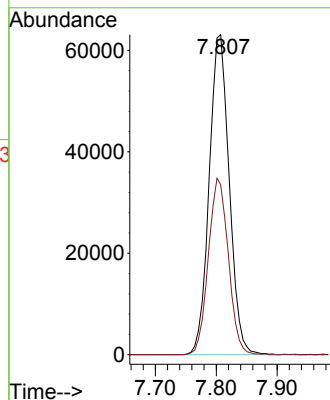
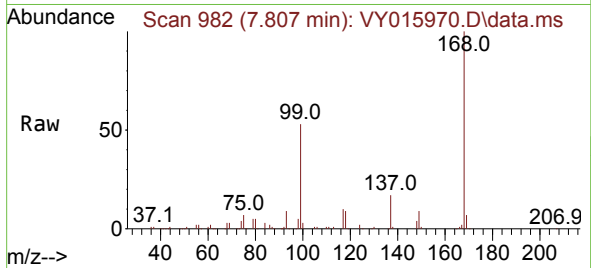




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

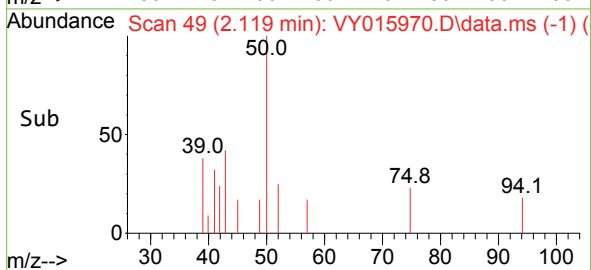
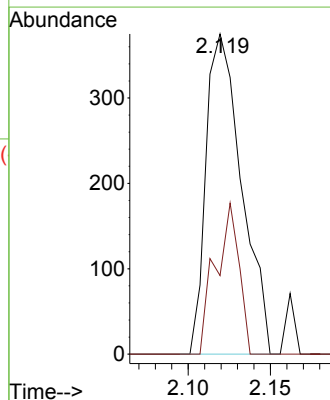
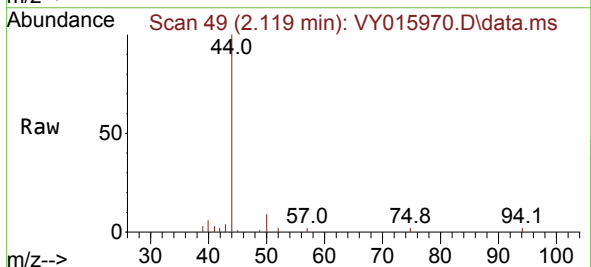
Instrument :
MSVOA_Y
ClientSampleId :

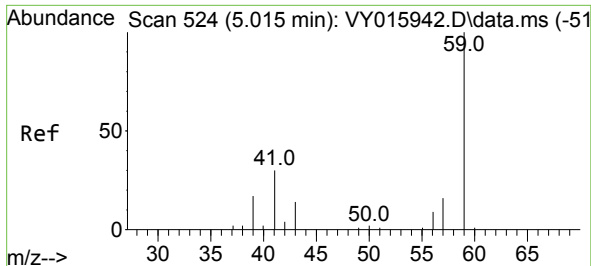
Tgt Ion:168 Resp: 144303
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

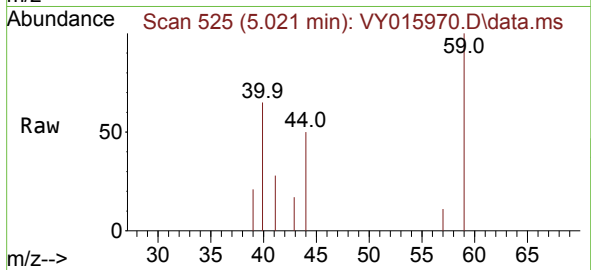
Tgt Ion: 50 Resp: 565
Ion Ratio Lower Upper
50 100
52 24.5 25.4 38.2#



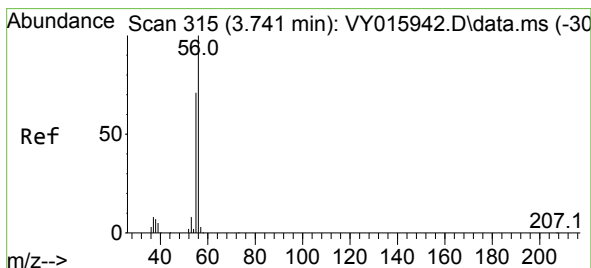
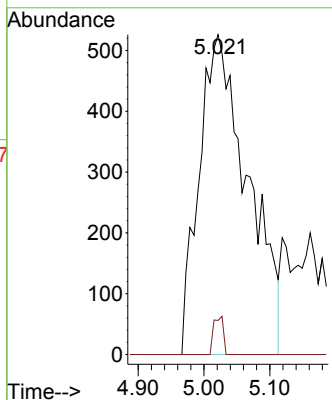
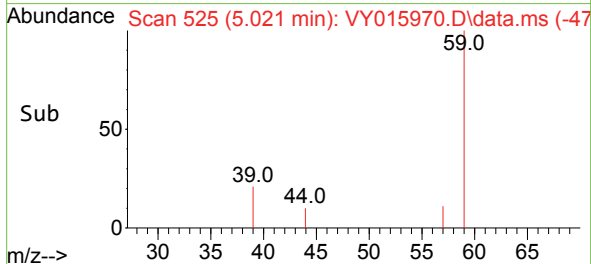


#11
Tert butyl alcohol
Concen: 2.836 ug/l
RT: 5.021 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :

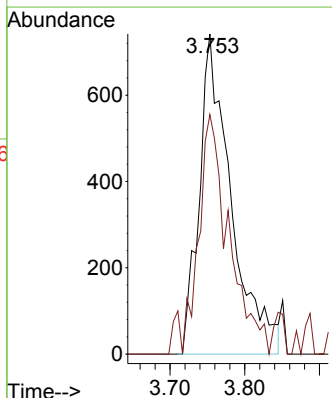
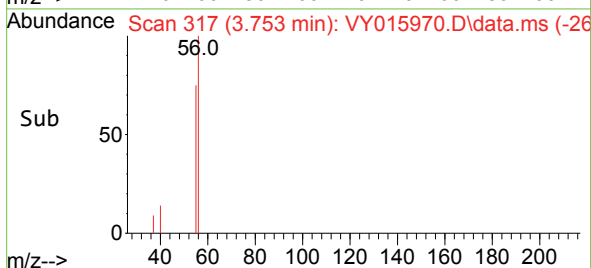
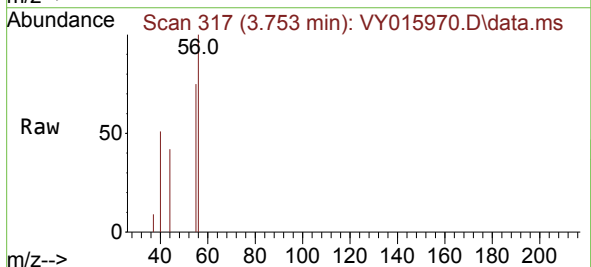


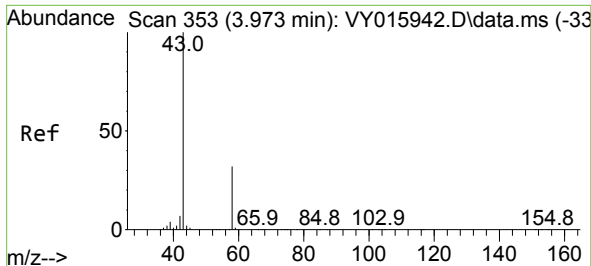
Tgt Ion: 59 Resp: 2710
Ion Ratio Lower Upper
59 100
57 2.4 3.0 4.4#



#13
Acrolein
Concen: 7.041 ug/l
RT: 3.753 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
55 70.3 57.0 85.4





#16

Acetone

Concen: 80.743 ug/l

RT: 3.985 min Scan# 355

Delta R.T. 0.012 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Instrument :

MSVOA_Y

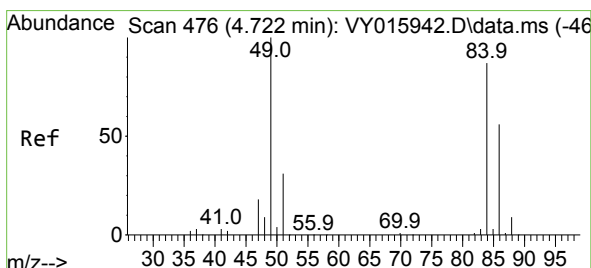
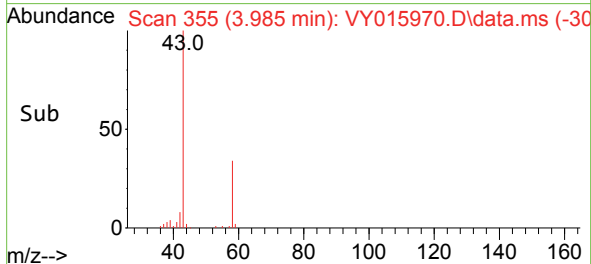
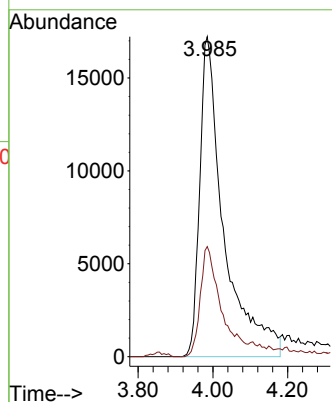
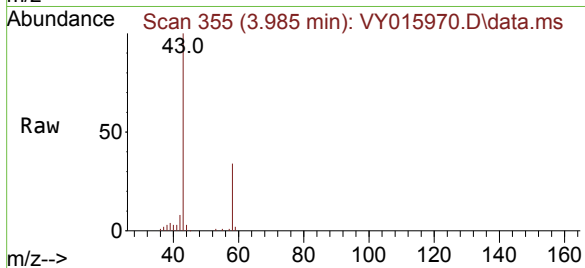
ClientSampleId :

Tgt Ion: 43 Resp: 77244

Ion Ratio Lower Upper

43 100

58 34.4 22.7 34.1#



#20

Methylene Chloride

Concen: 10.238 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.013 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Tgt Ion: 84 Resp: 24732

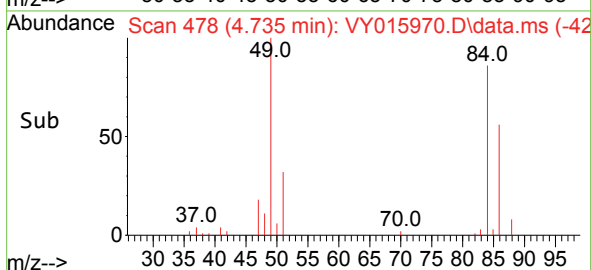
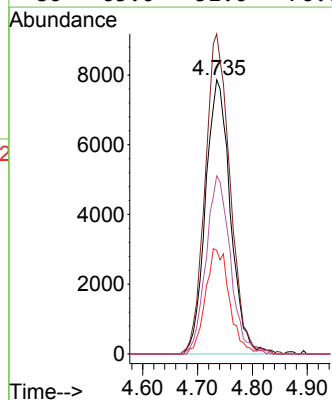
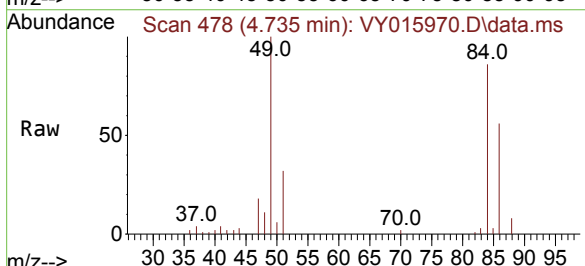
Ion Ratio Lower Upper

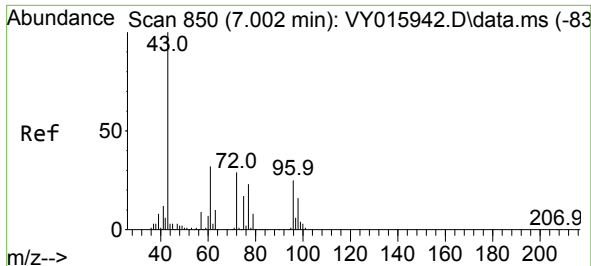
84 100

49 116.8 106.9 160.3

51 37.8 33.2 49.8

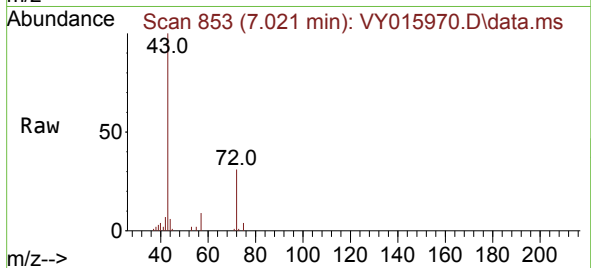
86 65.0 51.0 76.6



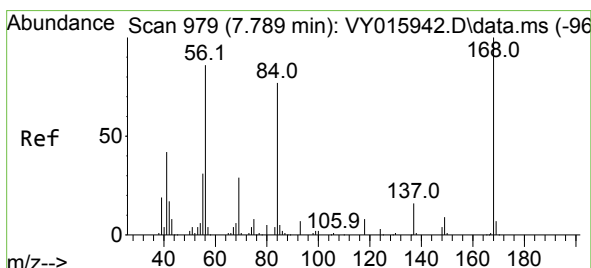
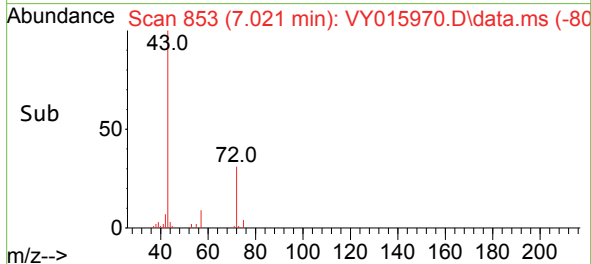
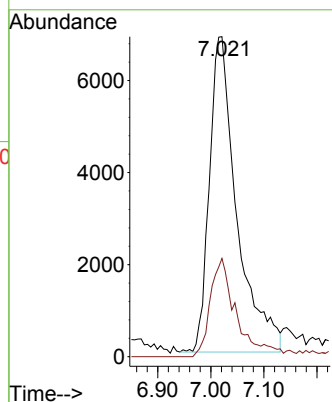


#25
2-Butanone
Concen: 17.691 ug/l
RT: 7.021 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Instrument :
MSVOA_Y
ClientSampleId :

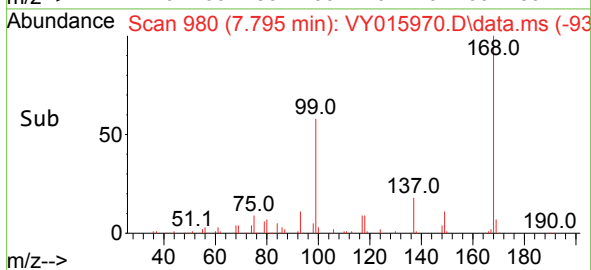
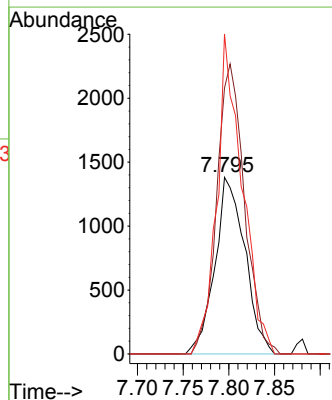
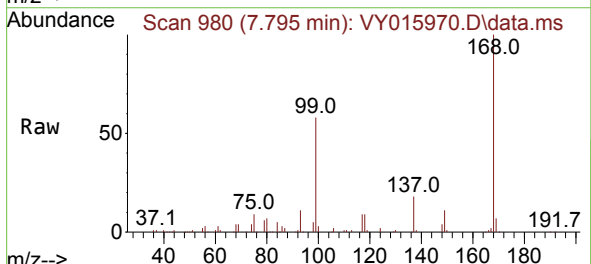


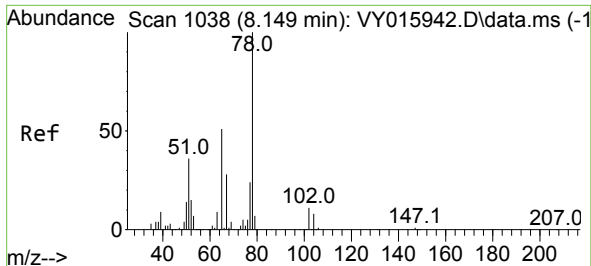
Tgt Ion: 43 Resp: 24632
Ion Ratio Lower Upper
43 100
72 31.1 20.5 30.7#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 150.5 27.8 41.6#
84 181.1 66.4 99.6#

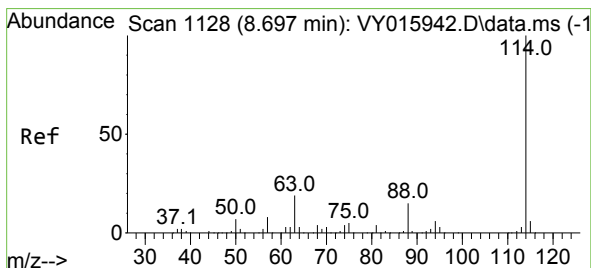
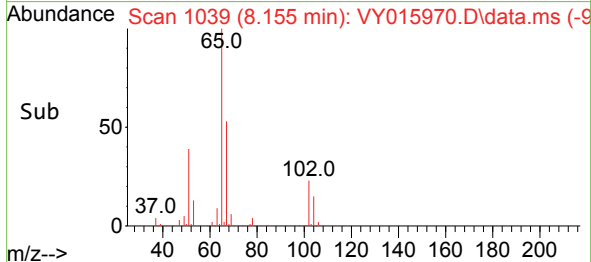
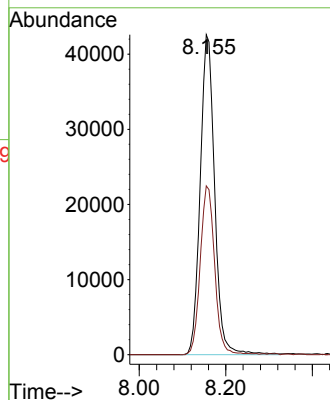
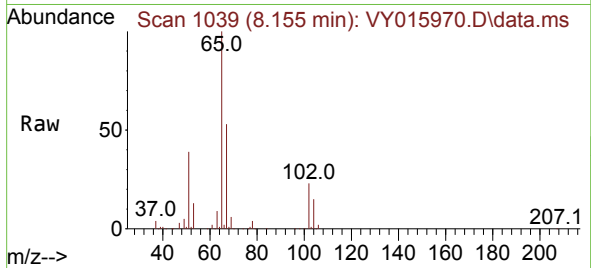




#33
 1,2-Dichloroethane-d4
 Concen: 59.824 ug/l
 RT: 8.155 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VY015970.D
 Acq: 13 Oct 2023 20:10

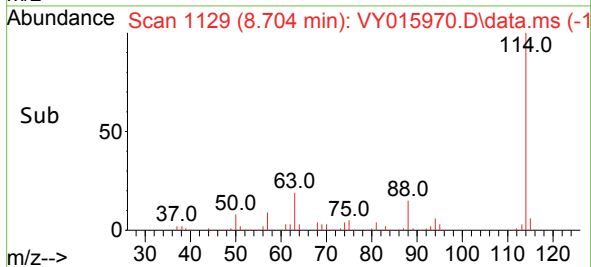
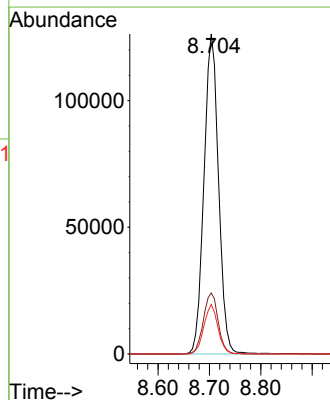
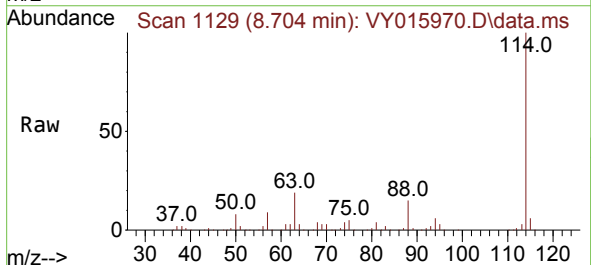
Instrument :
 MSVOA_Y
 ClientSampleId :

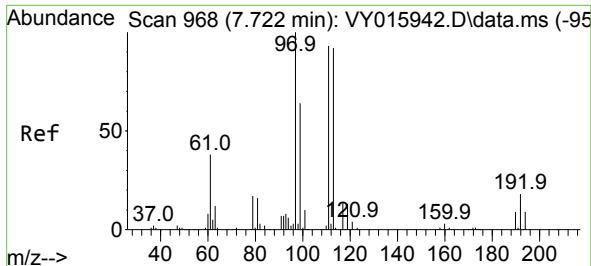
Tgt Ion: 65 Resp: 98524
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY015970.D
 Acq: 13 Oct 2023 20:10

Tgt Ion:114 Resp: 248560
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 15.5 0.0 30.6

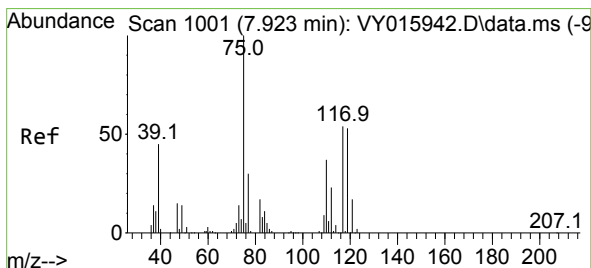
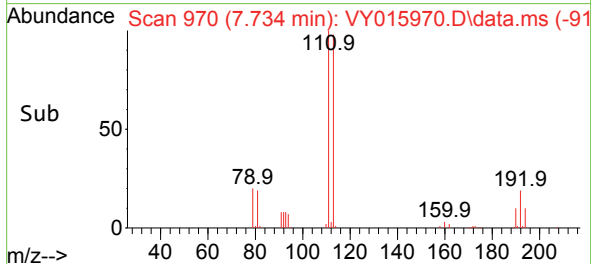
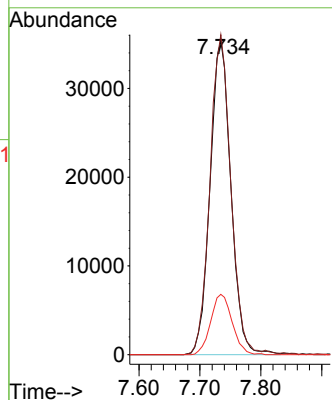
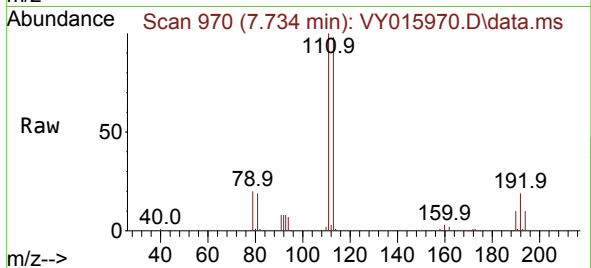




#35
Dibromofluoromethane
Concen: 53.774 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

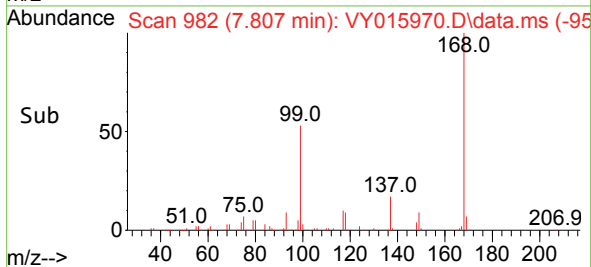
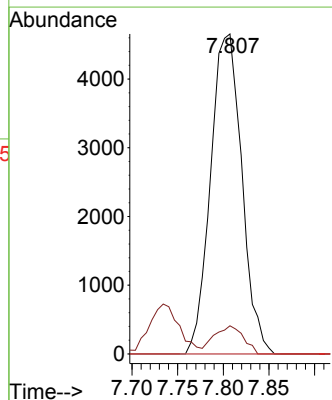
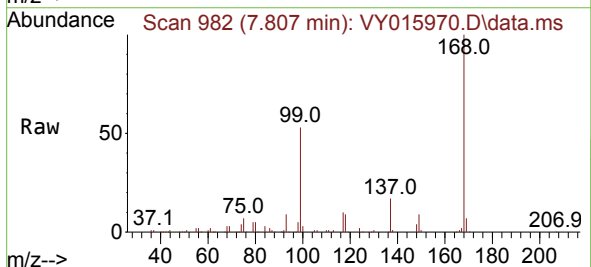
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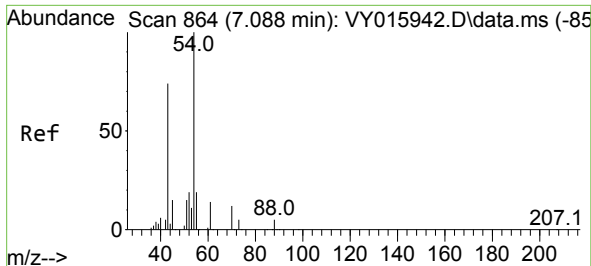
Tgt Ion:113 Resp: 84146
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 75 Resp: 11099
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.761 ug/l

RT: 7.021 min Scan# 81

Delta R.T. -0.067 min

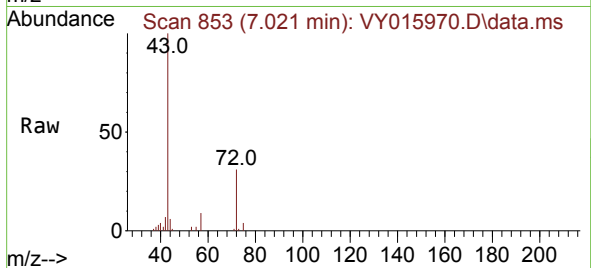
Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :



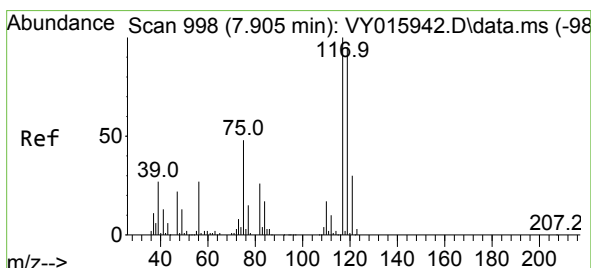
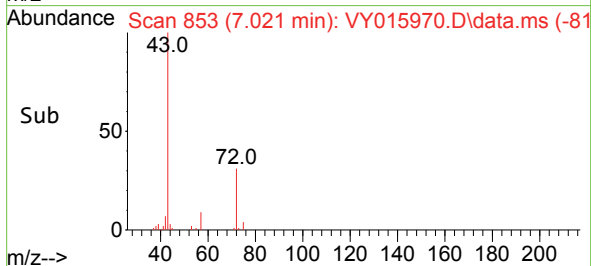
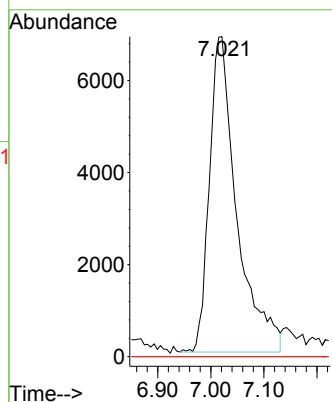
Tgt Ion: 43 Resp: 24632

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.670 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

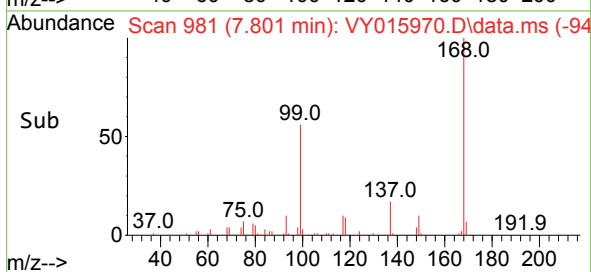
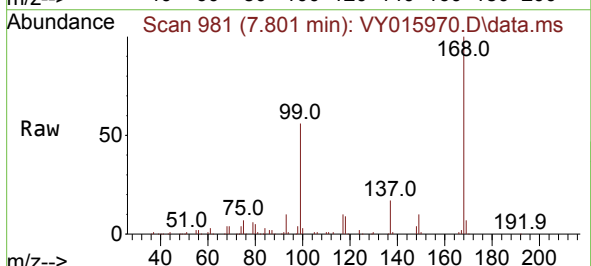
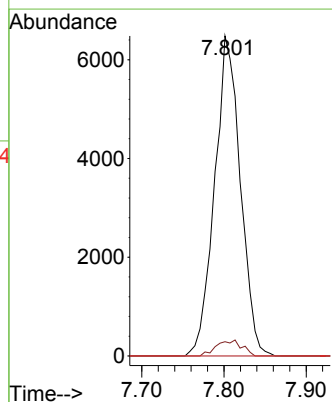
Tgt Ion: 117 Resp: 14100

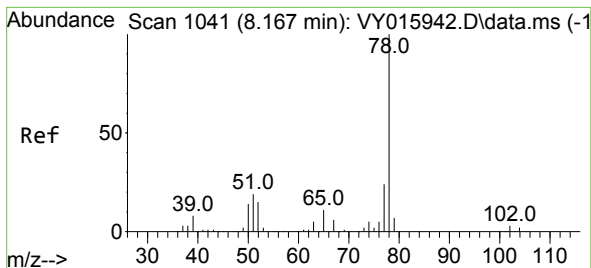
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#





#40

Benzene

Concen: 1.532 ug/l

RT: 8.179 min Scan# 1043

Delta R.T. 0.012 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Instrument :

MSVOA_Y

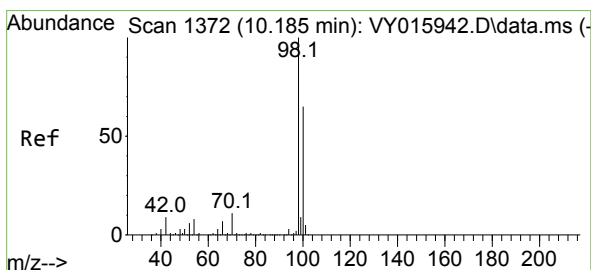
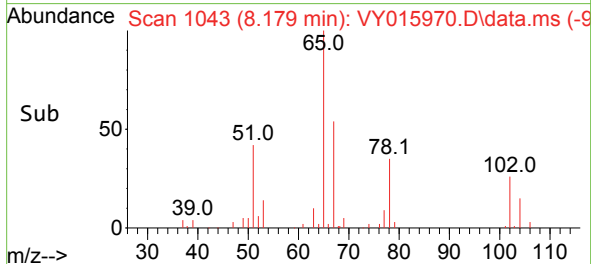
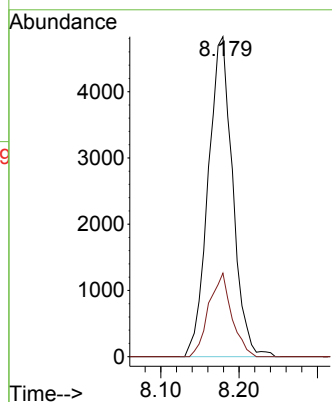
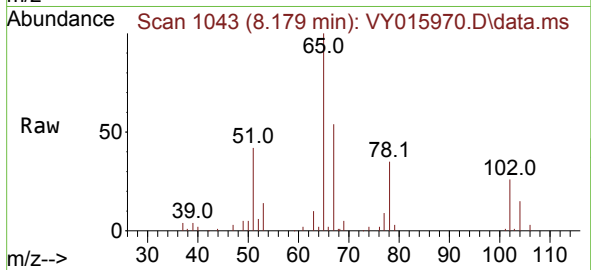
ClientSampleId :

Tgt Ion: 78 Resp: 10465

Ion Ratio Lower Upper

78 100

77 26.1 19.0 28.6



#50

Toluene-d8

Concen: 50.300 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY015970.D

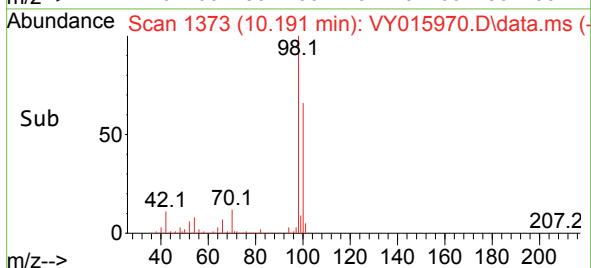
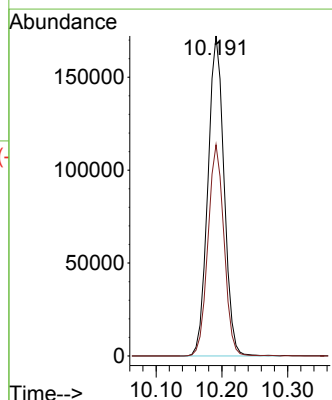
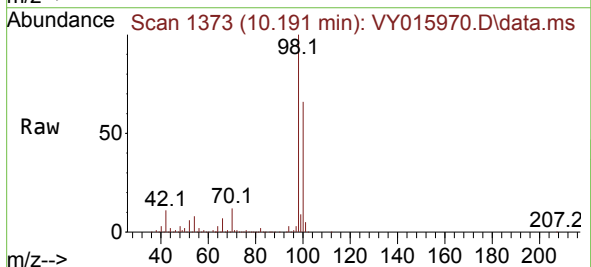
Acq: 13 Oct 2023 20:10

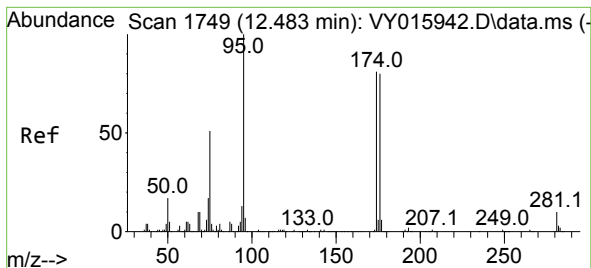
Tgt Ion: 98 Resp: 294767

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

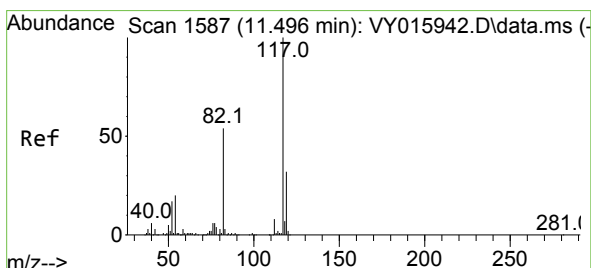
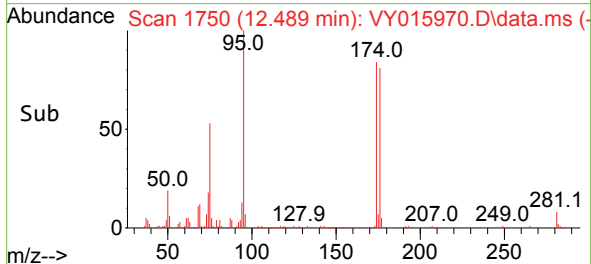
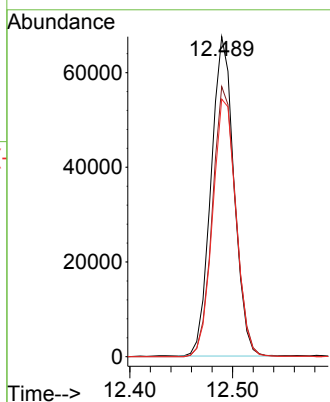
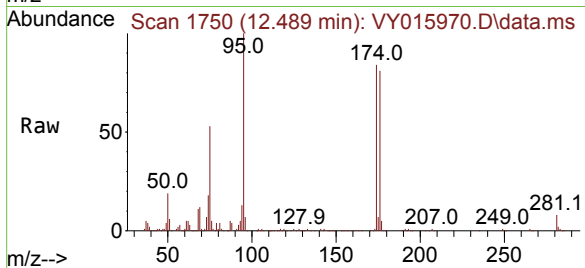




#62
4-Bromofluorobenzene
Concen: 50.205 ug/l
RT: 12.489 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

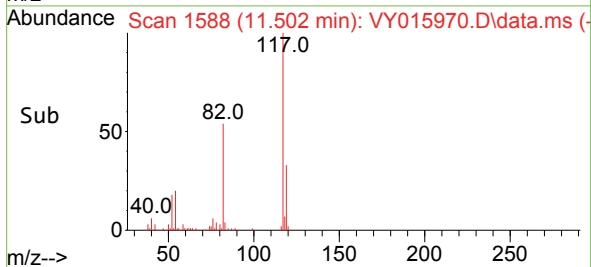
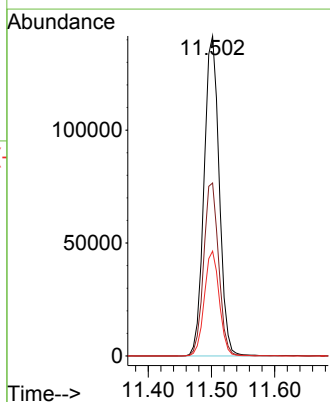
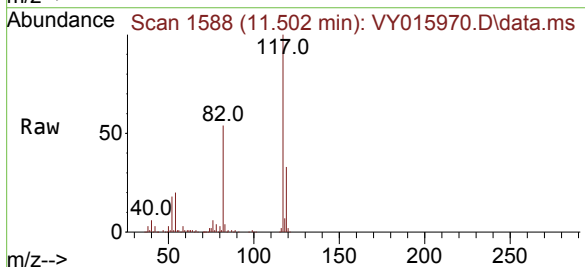
Instrument :
MSVOA_Y
ClientSampleId :

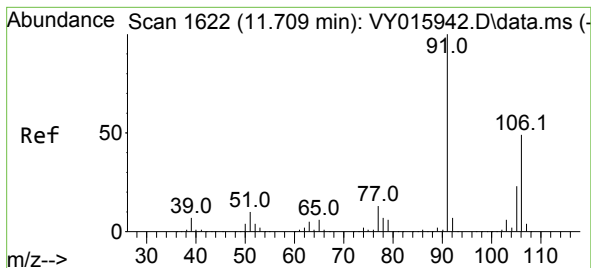
Tgt Ion: 95 Resp: 104763
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 117 Resp: 236377
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.8 26.3 39.5





#68

m/p-Xylenes

Concen: 1.738 ug/l

RT: 11.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Instrument :

MSVOA_Y

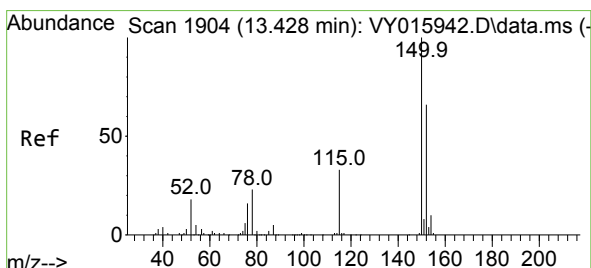
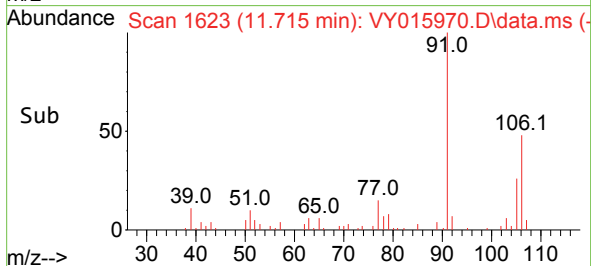
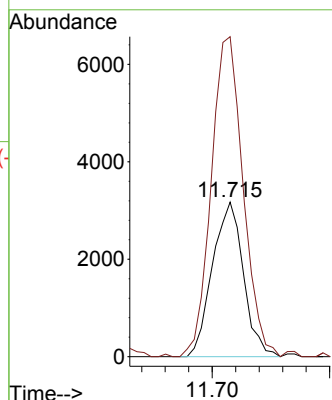
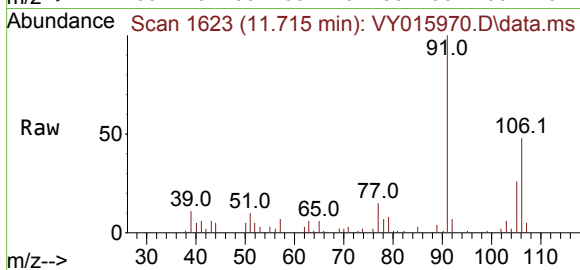
ClientSampleId :

Tgt Ion:106 Resp: 5807

Ion Ratio Lower Upper

106 100

91 212.9 166.1 249.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

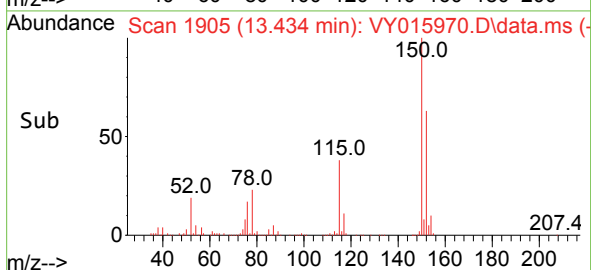
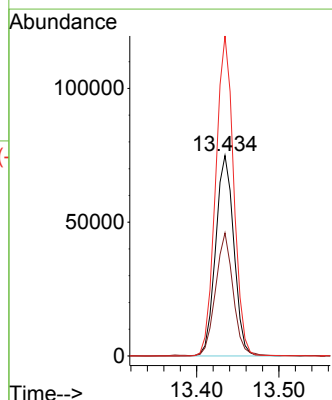
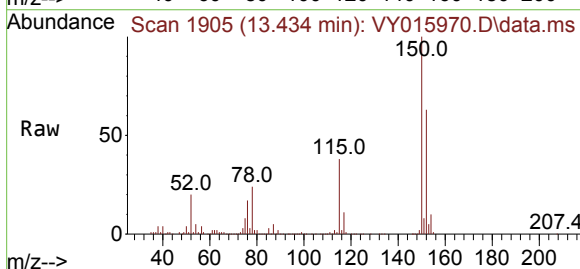
Tgt Ion:152 Resp: 115155

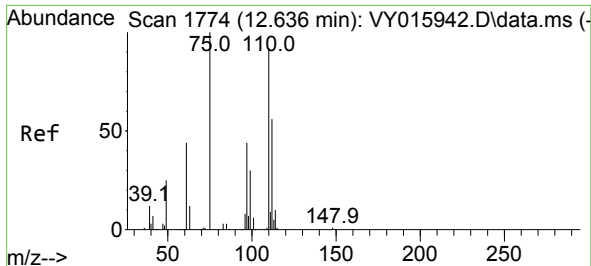
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 157.7 0.0 348.8

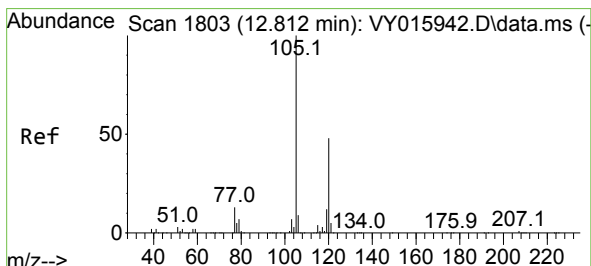
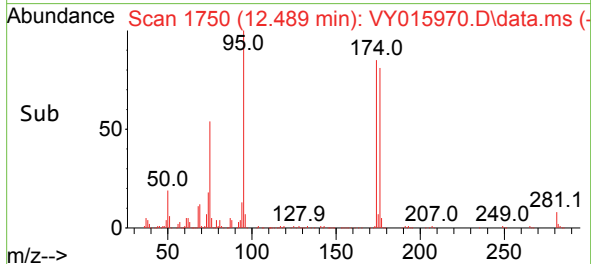
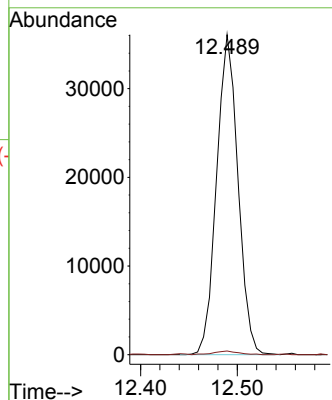
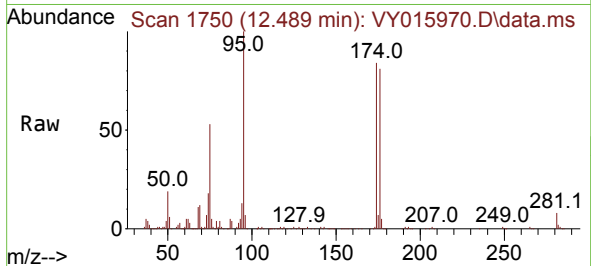




#76
1,2,3-Trichloropropane
Concen: 24.559 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

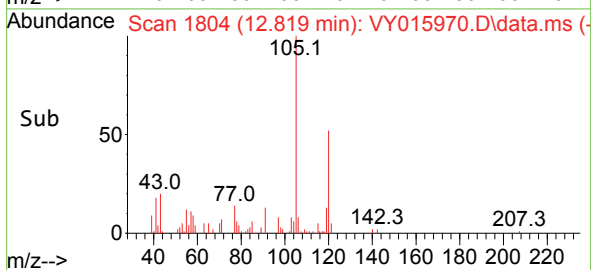
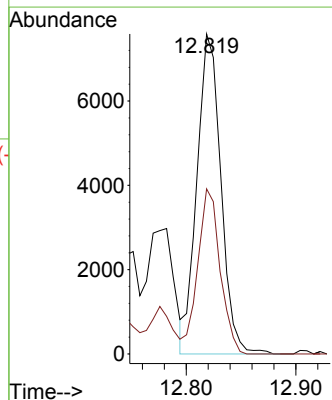
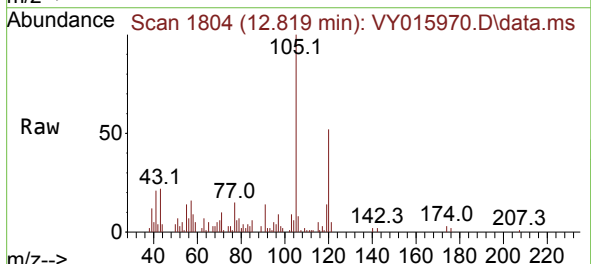
Instrument :
MSVOA_Y
ClientSampleId :

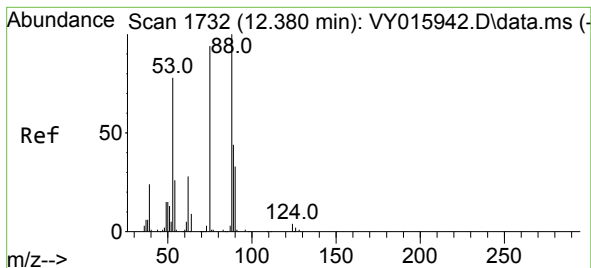
Tgt Ion: 75 Resp: 55345
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.702 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 105 Resp: 11529
Ion Ratio Lower Upper
105 100
120 48.3 23.9 71.7

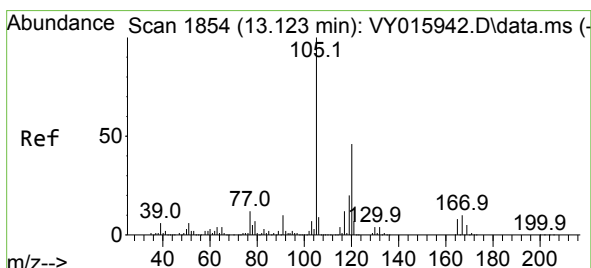
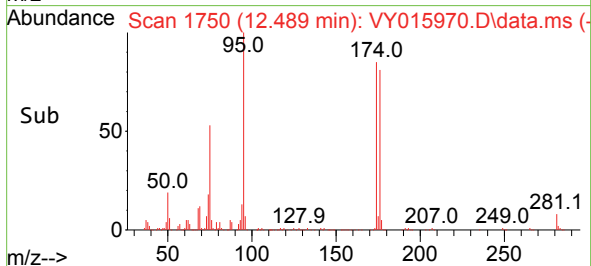
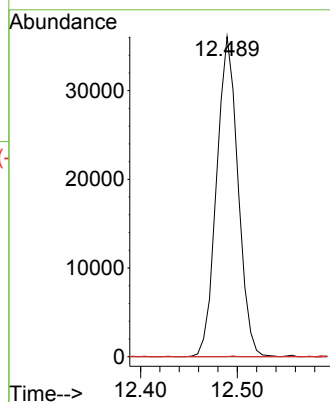
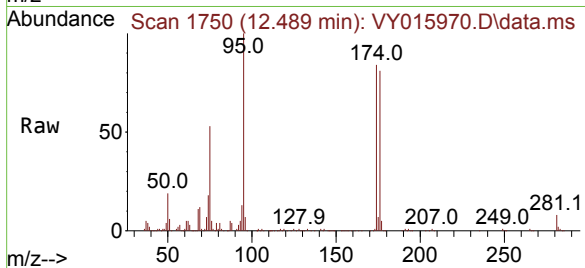




#81
trans-1,4-Dichloro-2-butene
Concen: 57.852 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

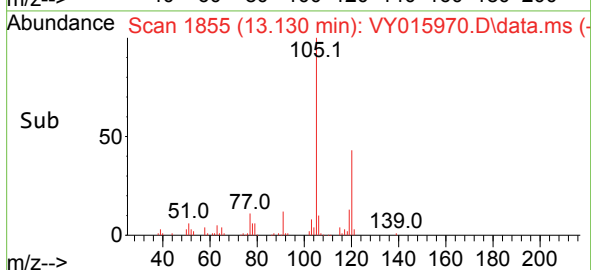
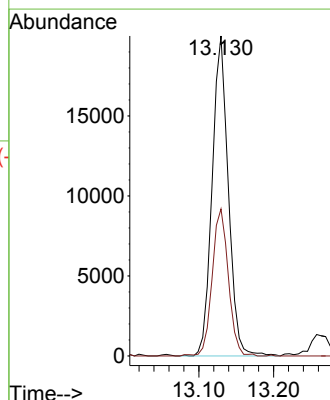
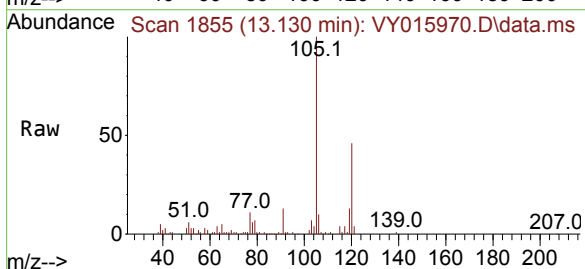
Instrument :
MSVOA_Y
ClientSampleId :

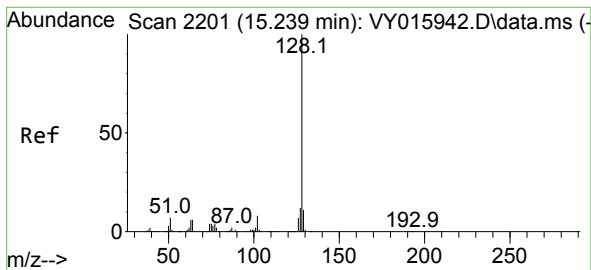
Tgt Ion: 75 Resp: 55345
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 4.424 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY015970.D
Acq: 13 Oct 2023 20:10

Tgt Ion: 105 Resp: 30076
Ion Ratio Lower Upper
105 100
120 45.9 22.2 66.6





#95

Naphthalene

Concen: 595.781 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

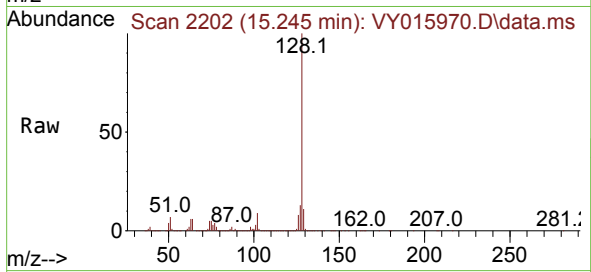
Lab File: VY015970.D

Acq: 13 Oct 2023 20:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 4684370

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	11.2	8.6	13.0

128 100

127 13.1 10.8 16.2

129 11.2 8.6 13.0

