

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015793.D
 Acq On : 02 Oct 2023 21:46
 Operator : SY/MD
 Sample : 04685-06
 Misc : 3.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:30:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

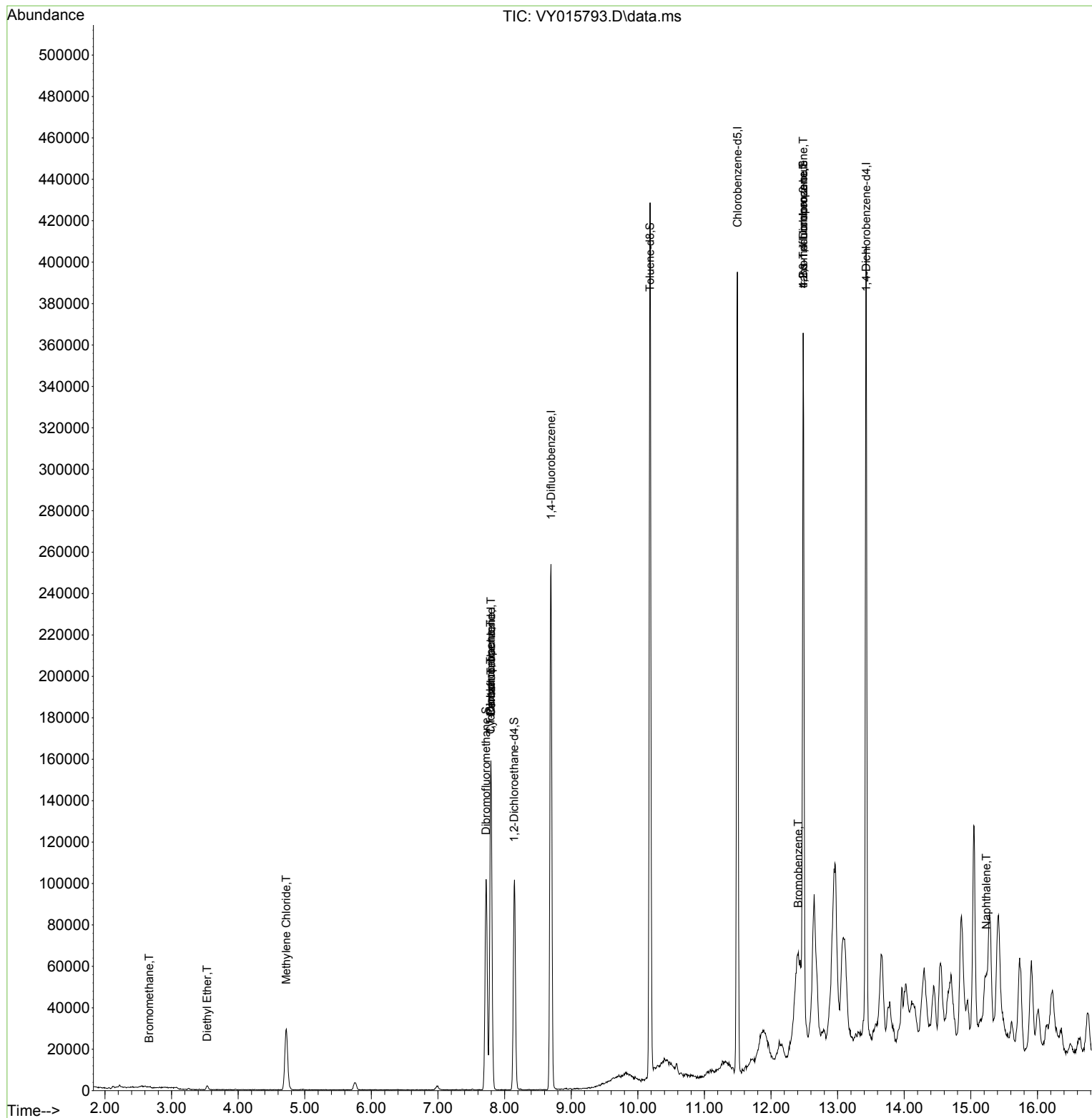
Internal Standards						
1) Pentafluorobenzene	7.795	168	123685	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	224631	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	213851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78819	57.918	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.840%	
35) Dibromofluoromethane	7.722	113	72476	53.906	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.820%	
50) Toluene-d8	10.185	98	276154	60.577	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 121.160%	
62) 4-Bromofluorobenzene	12.483	95	94365	52.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	95	2.634	ug/l #	74
8) Diethyl Ether	3.534	74	1022	1.215	ug/l	94
11) Tert butyl alcohol	4.948	59	150	Below Cal	#	89
20) Methylene Chloride	4.722	84	22512	10.269	ug/l	92
31) Cyclohexane	7.789	56	2534	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9841	4.950	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12443	5.766	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	49804	33.268	ug/l #	100
77) Bromobenzene	12.410	156	39008	22.574	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	49804	74.916	ug/l #	11
95) Naphthalene	15.233	128	5467	1.052	ug/l #	84

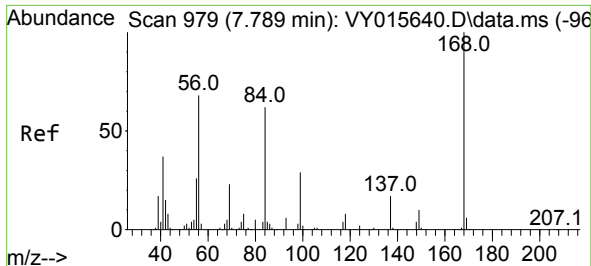
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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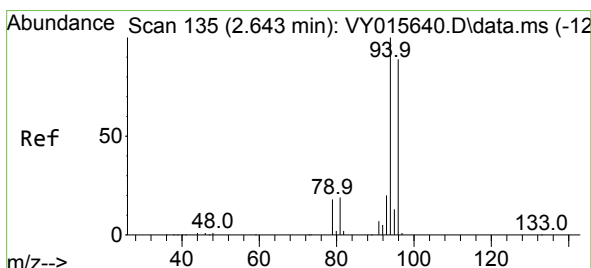
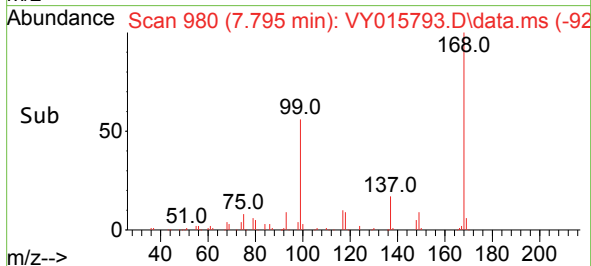
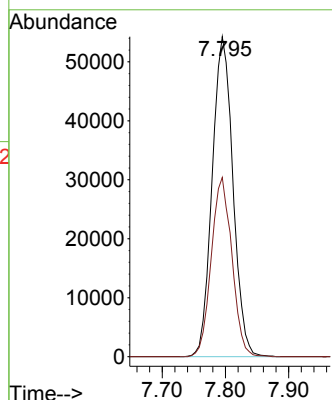
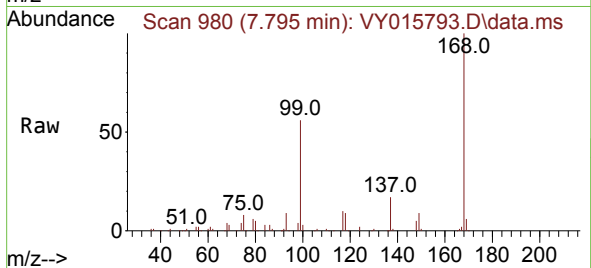




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

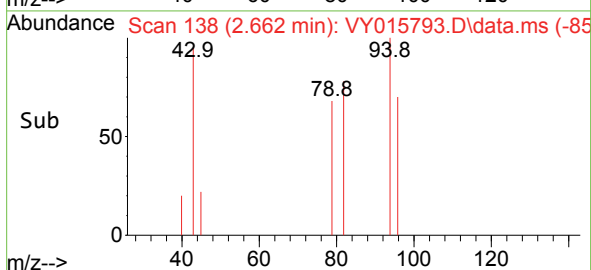
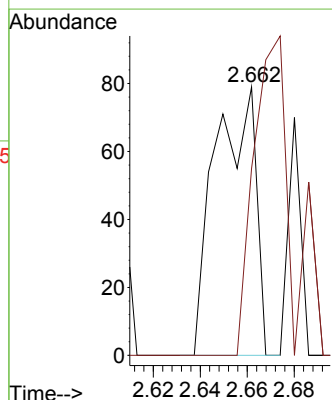
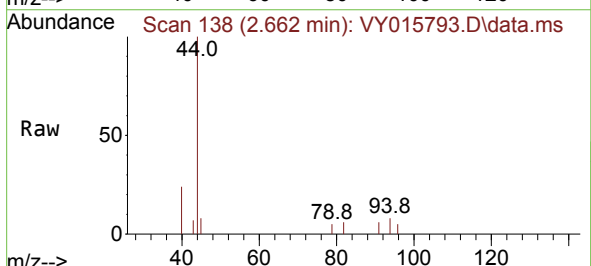
Instrument :
MSVOA_Y
ClientSampleId :

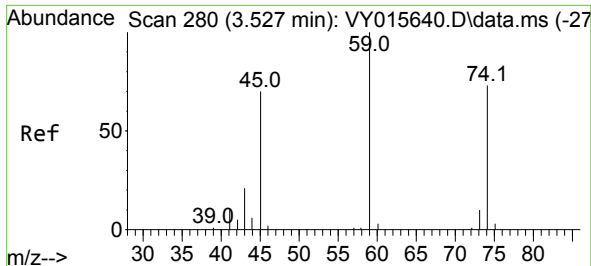
Tgt Ion:168 Resp: 123685
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#5
Bromomethane
Concen: 2.634 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 69.6 75.8 113.6#

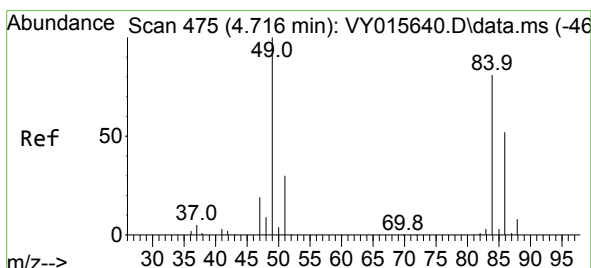
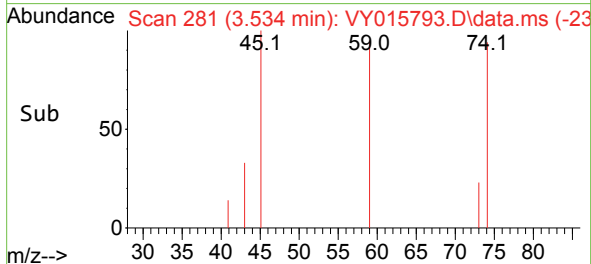
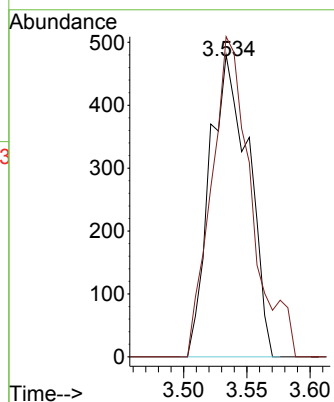
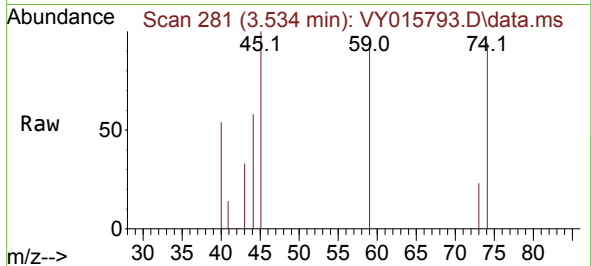




#8
Diethyl Ether
Concen: 1.215 ug/l
RT: 3.534 min Scan# 21
Delta R.T. 0.013 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

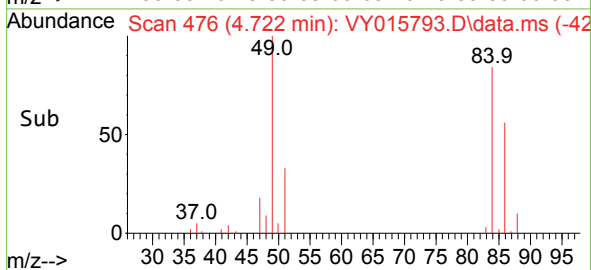
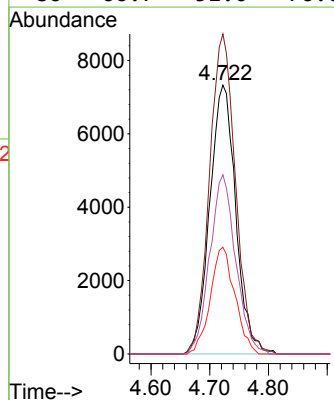
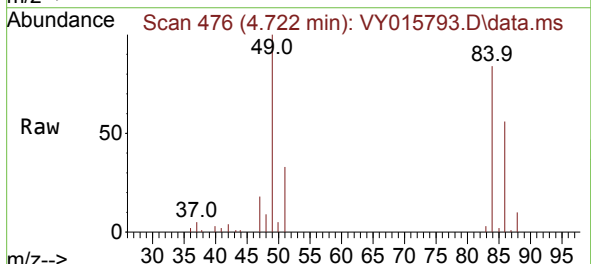
Instrument :
MSVOA_Y
ClientSampleId :

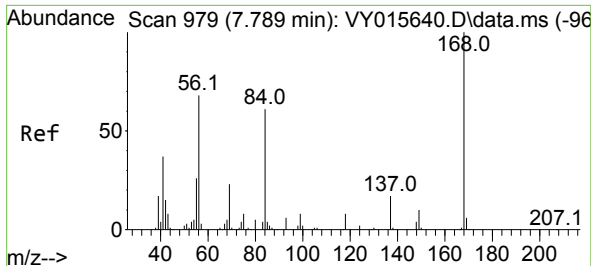
Tgt Ion: 74 Resp: 1022
Ion Ratio Lower Upper
74 100
45 108.9 51.5 154.5



#20
Methylene Chloride
Concen: 10.269 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

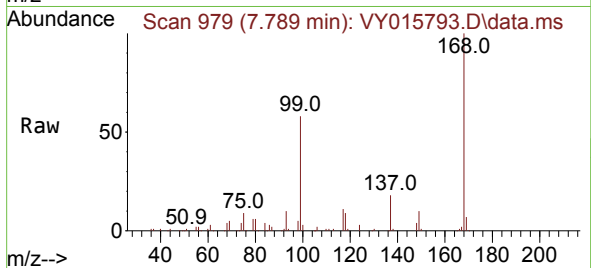
Tgt Ion: 84 Resp: 22512
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 39.7 33.2 49.8
86 66.7 51.0 76.6



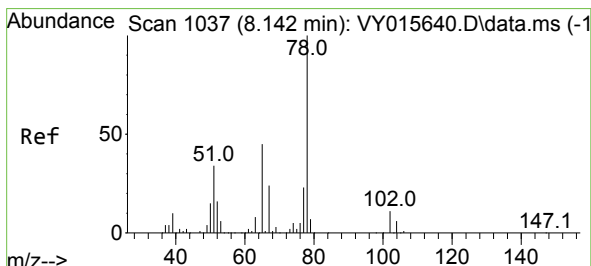
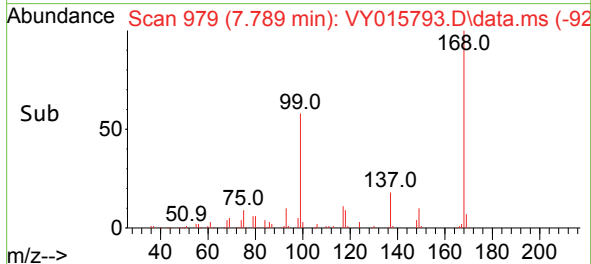
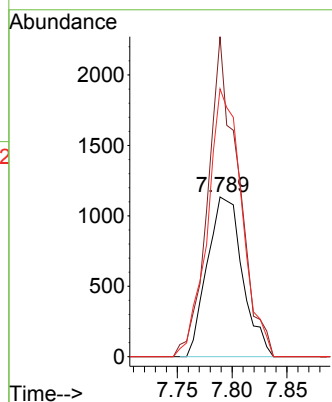


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Instrument :
MSVOA_Y
ClientSampleId :

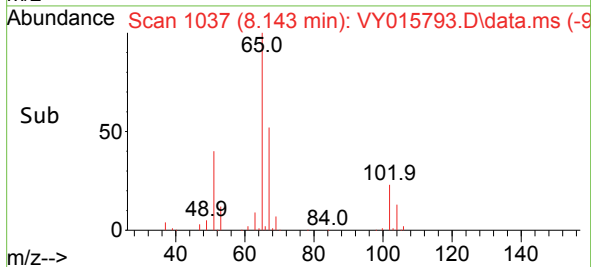
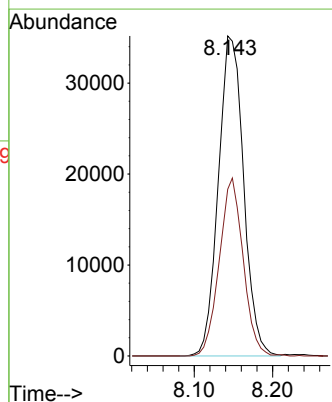
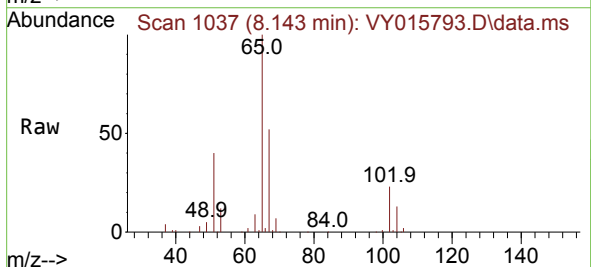


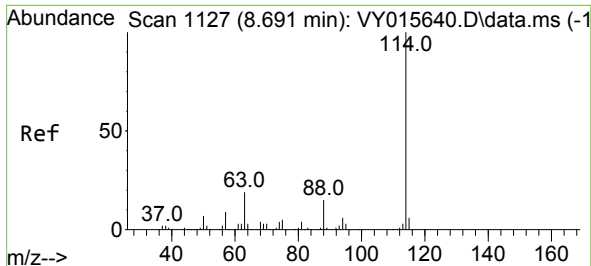
Tgt Ion: 56 Resp: 2534
Ion Ratio Lower Upper
56 100
69 200.4 27.8 41.6#
84 167.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.918 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Tgt Ion: 65 Resp: 78819
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :

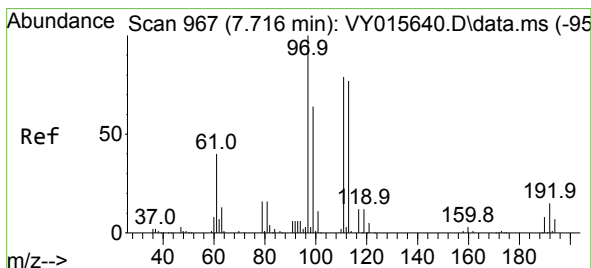
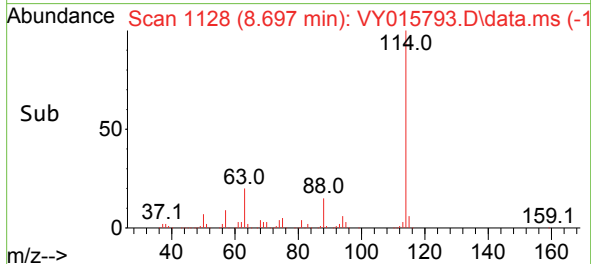
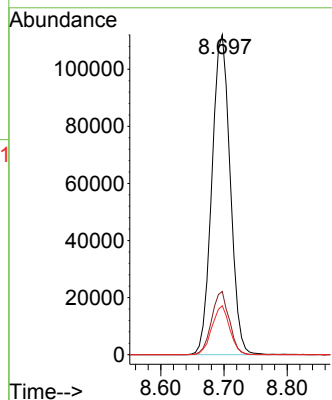
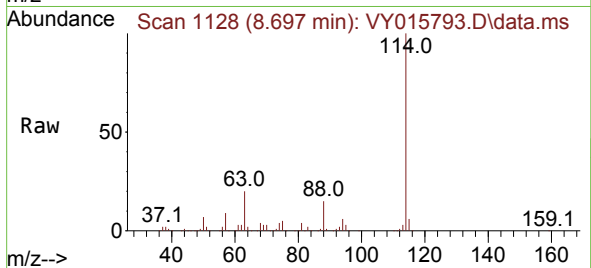
Tgt Ion:114 Resp: 224631

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.906 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

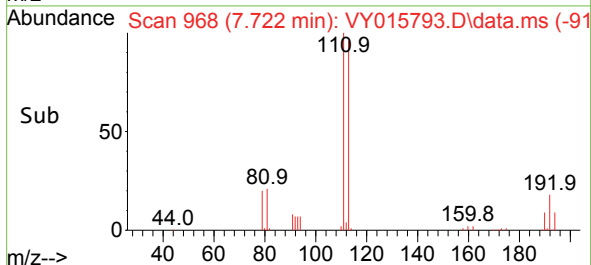
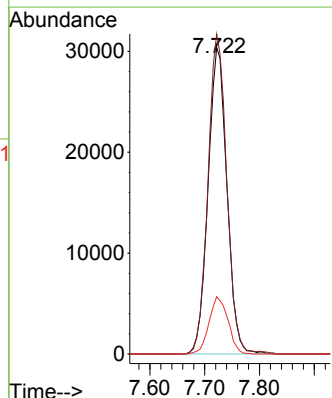
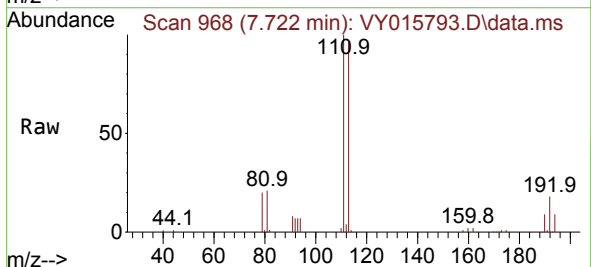
Tgt Ion:113 Resp: 72476

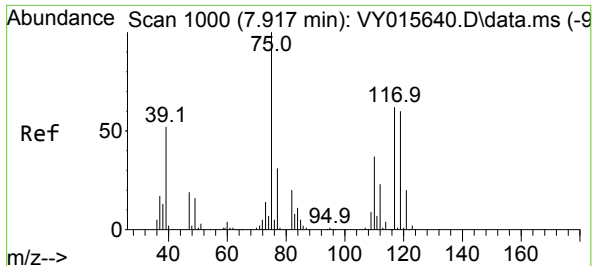
Ion Ratio Lower Upper

113 100

111 104.0 81.3 121.9

192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.950 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

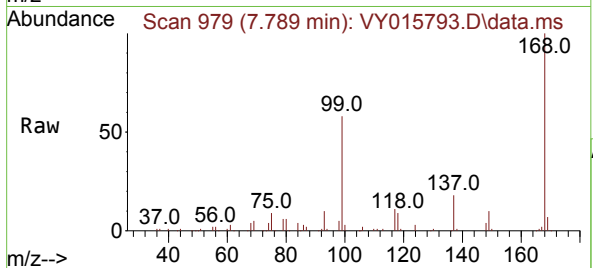
Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

Instrument :

MSVOA_Y

ClientSampleId :



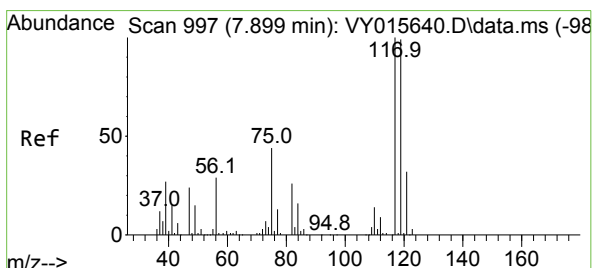
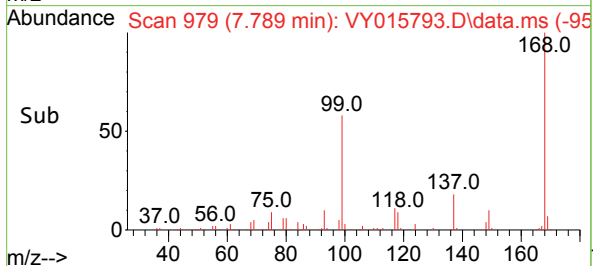
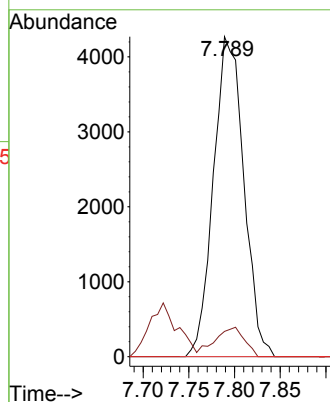
Tgt Ion: 75 Resp: 9841

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.766 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.098 min

Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

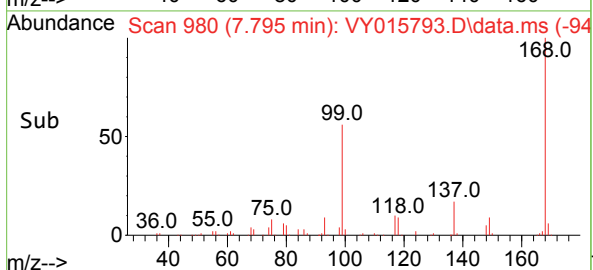
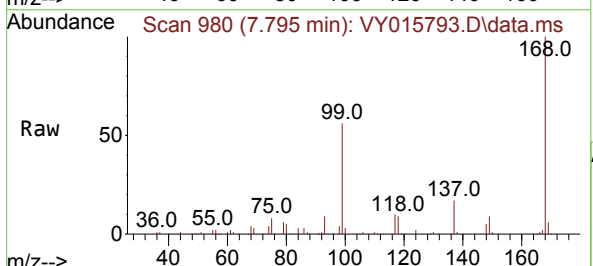
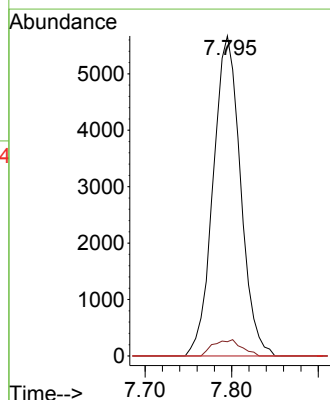
Tgt Ion: 117 Resp: 12443

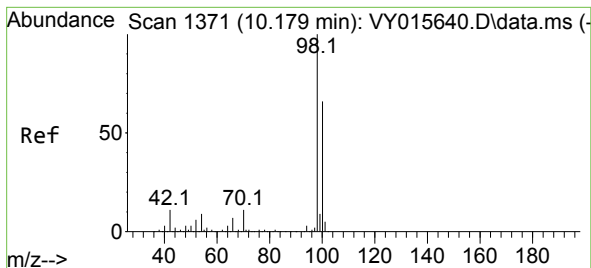
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 60.577 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

Instrument :

MSVOA_Y

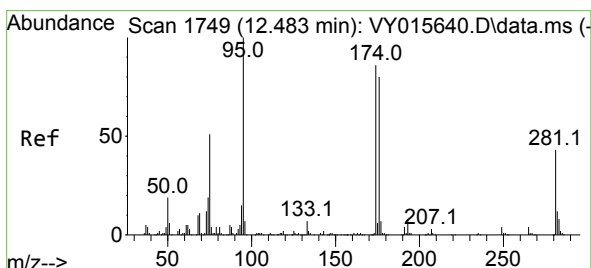
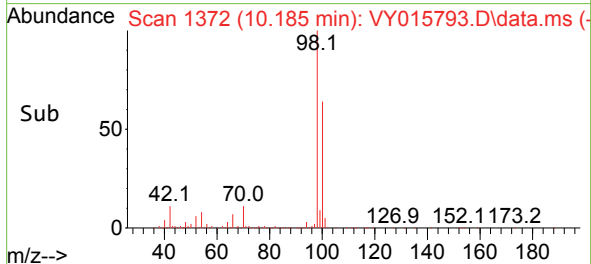
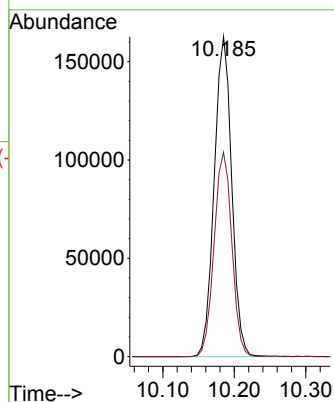
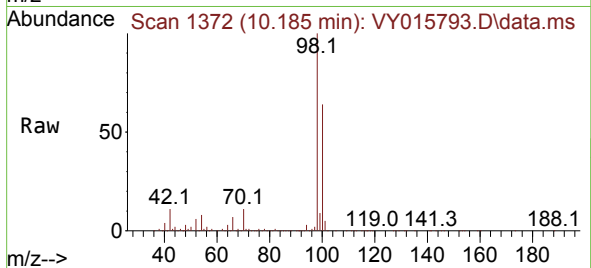
ClientSampleId :

Tgt Ion: 98 Resp: 276154

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 52.748 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015793.D

Acq: 02 Oct 2023 21:46

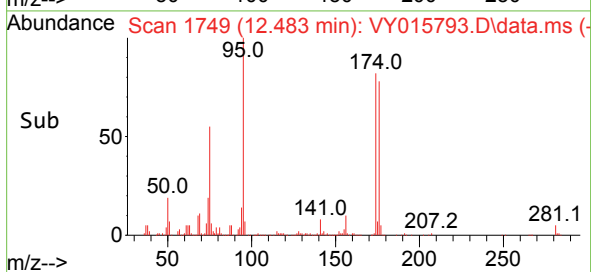
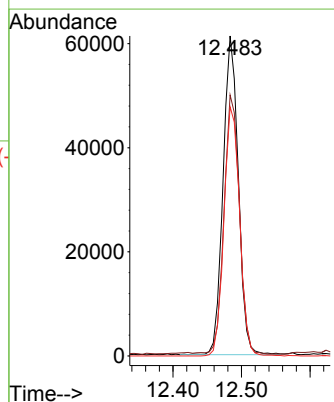
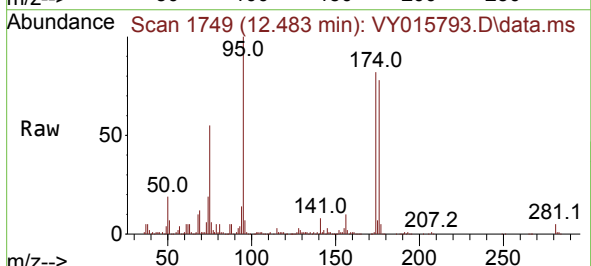
Tgt Ion: 95 Resp: 94365

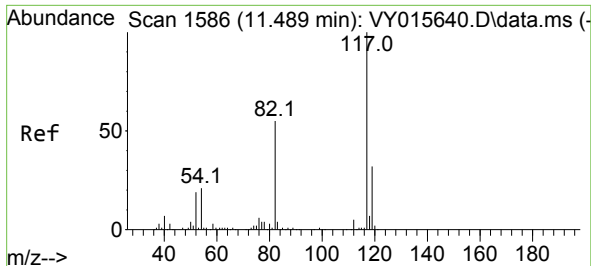
Ion Ratio Lower Upper

95 100

174 81.9 0.0 178.2

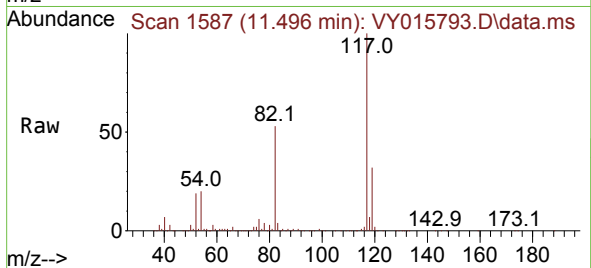
176 80.5 0.0 173.8



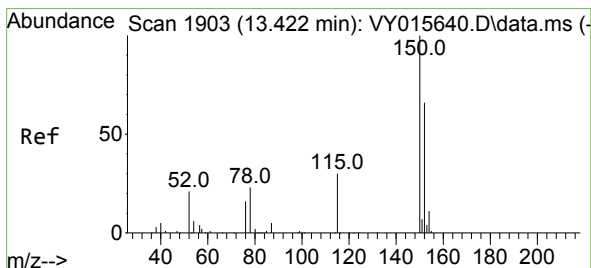
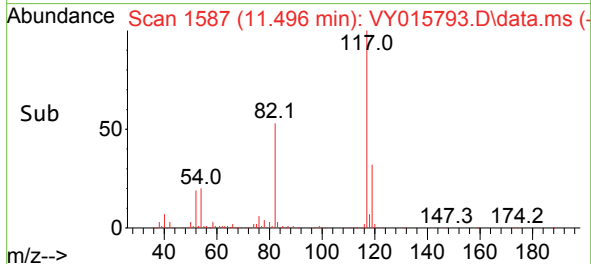
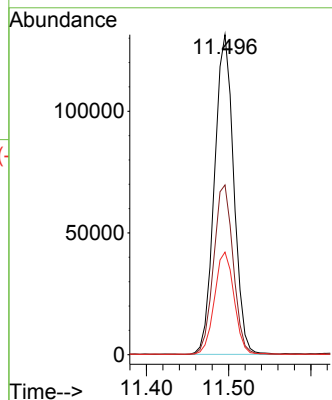


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Instrument :
MSVOA_Y
ClientSampleId :

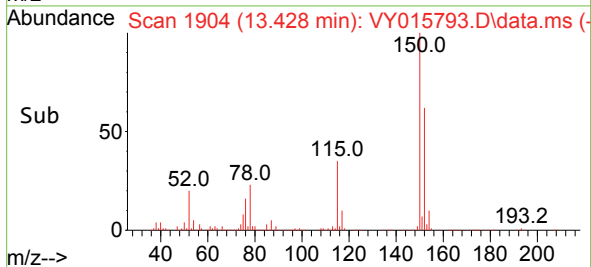
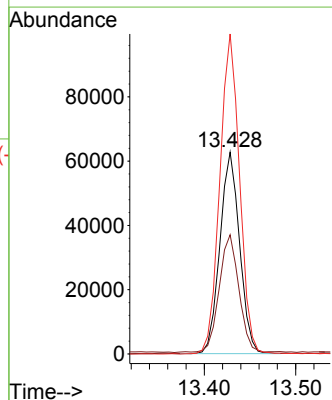
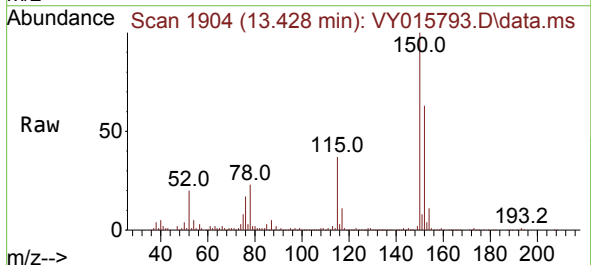


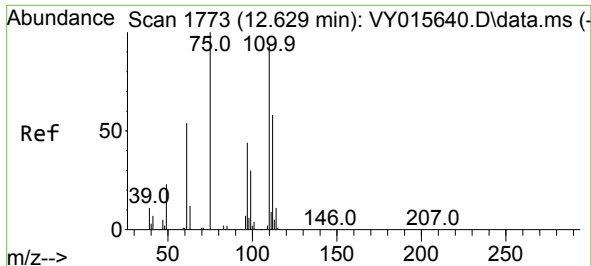
Tgt Ion:117 Resp: 213851
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Tgt Ion:152 Resp: 93840
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 159.5 0.0 348.8

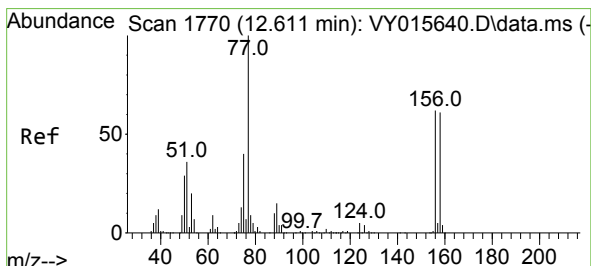
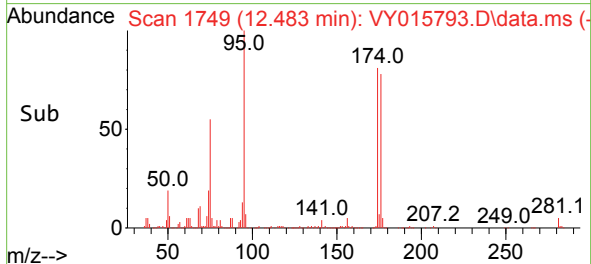
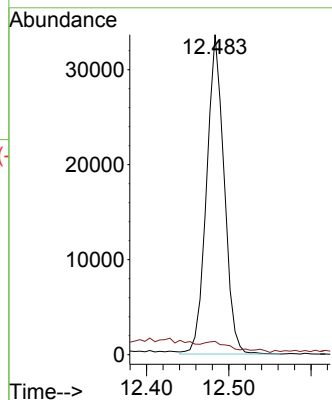
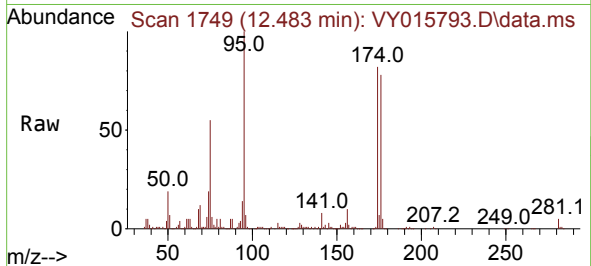




#76
1,2,3-Trichloropropane
Concen: 33.268 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

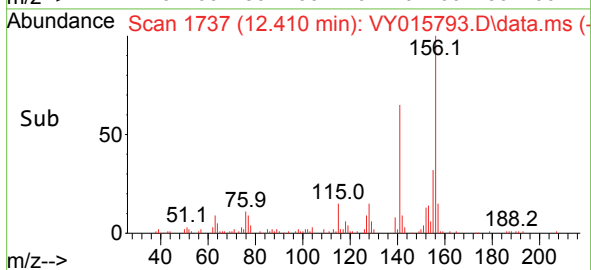
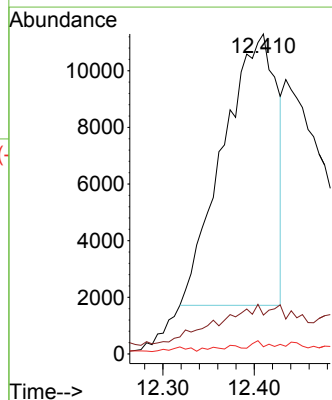
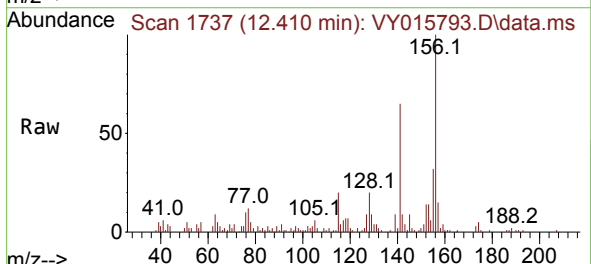
Instrument :
MSVOA_Y
ClientSampleId :

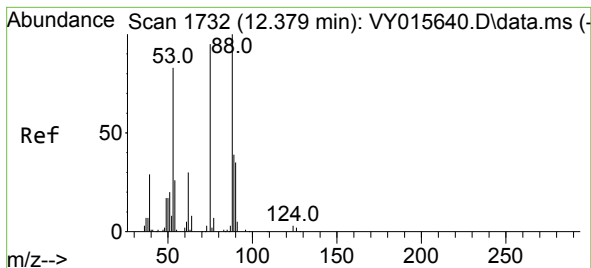
Tgt Ion: 75 Resp: 49804
Ion Ratio Lower Upper
75 100
77 5.6 0.0 0.0#



#77
Bromobenzene
Concen: 22.574 ug/l
RT: 12.410 min Scan# 1737
Delta R.T. -0.195 min
Lab File: VY015793.D
Acq: 02 Oct 2023 21:46

Tgt Ion:156 Resp: 39008
Ion Ratio Lower Upper
156 100
77 8.4 92.8 278.6#
158 0.8 48.4 145.3#

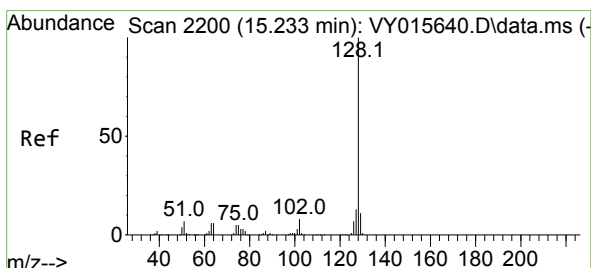
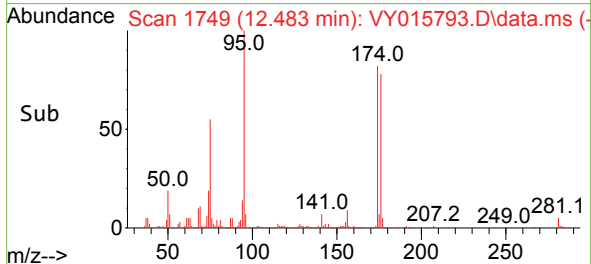
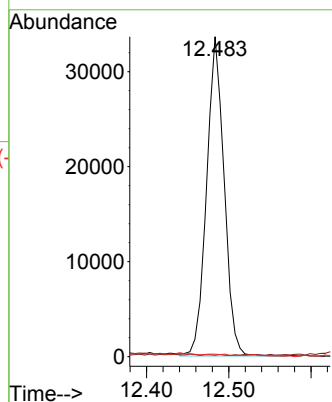
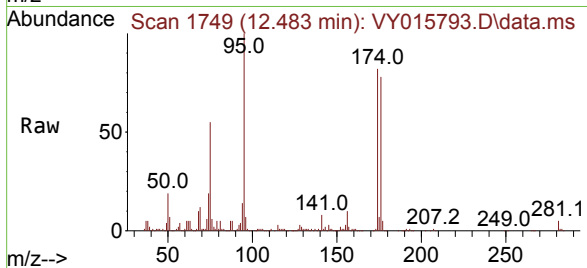




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.916 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015793.D
 Acq: 02 Oct 2023 21:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 49804
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#



#95
 Naphthalene
 Concen: 1.052 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY015793.D
 Acq: 02 Oct 2023 21:46

Tgt Ion:128 Resp: 5467
 Ion Ratio Lower Upper
 128 100
 127 21.7 10.8 16.2#
 129 14.8 8.6 13.0#

