

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015769.D
 Acq On : 29 Sep 2023 21:23
 Operator : SY/MD
 Sample : 04657-06
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:19:47 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)

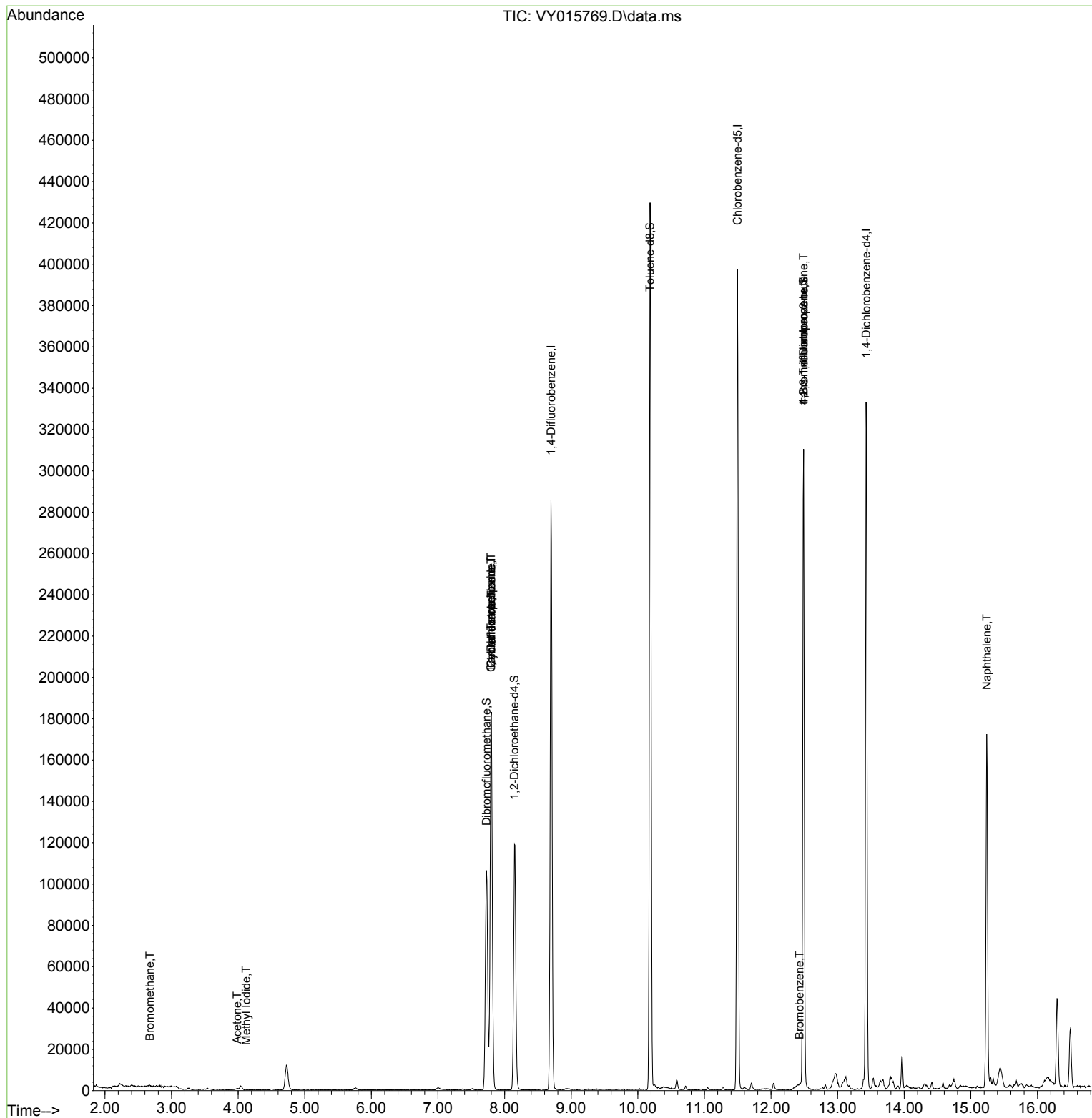
Internal Standards						
1) Pentafluorobenzene	7.801	168	143332	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	241409	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	213375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94758	60.086	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.180%	
35) Dibromofluoromethane	7.728	113	77493	53.631	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.185	98	282616	57.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.380%	
62) 4-Bromofluorobenzene	12.489	95	88691	46.131	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	193	2.692	ug/l #	65
10) Methyl Iodide	4.119	142	165	2.821	ug/l #	38
11) Tert butyl alcohol	4.972	59	49	Below Cal	#	89
16) Acetone	3.985	43	1495	1.771	ug/l	92
31) Cyclohexane	7.801	56	2955	1.353	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11155	5.221	ug/l #	50
38) Carbon Tetrachloride	7.795	117	13868	5.980	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	47387	34.756	ug/l #	100
77) Bromobenzene	12.428	156	3466	2.202	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	47387	78.267	ug/l #	11
95) Naphthalene	15.239	128	142263	30.070	ug/l	99

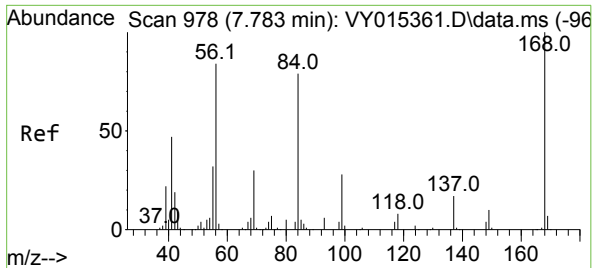
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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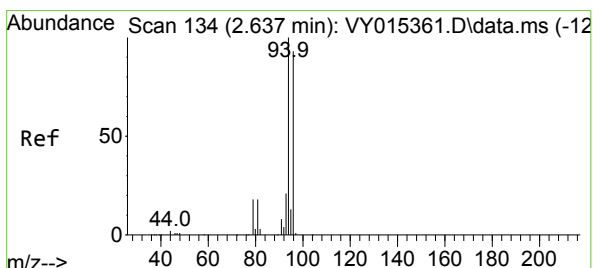
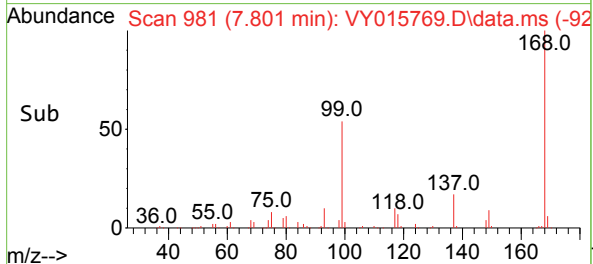
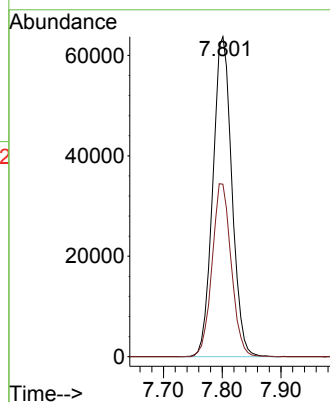
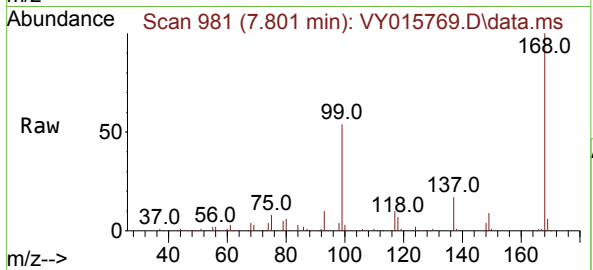




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

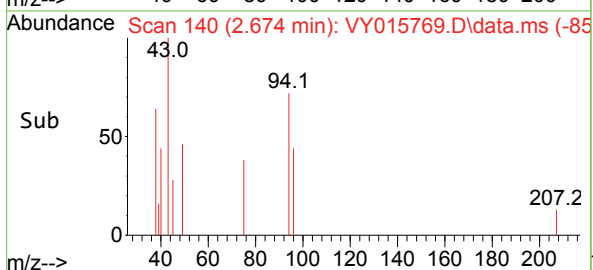
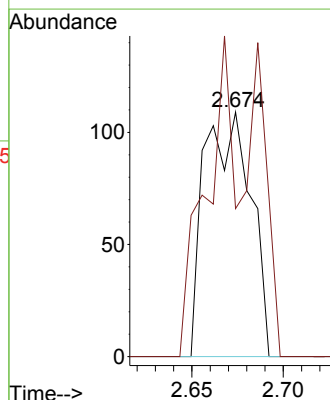
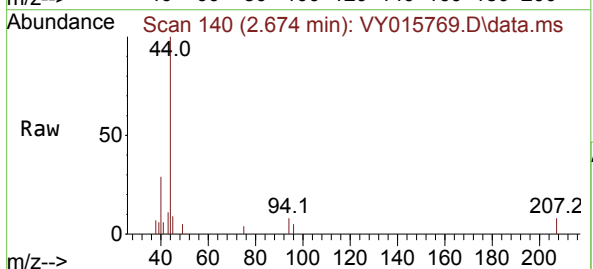
Instrument :
MSVOA_Y
ClientSampleId :

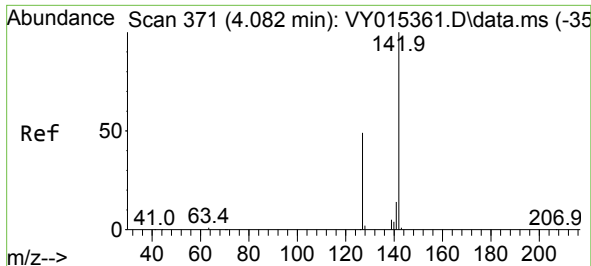
Tgt Ion:168 Resp: 143332
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#5
Bromomethane
Concen: 2.692 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

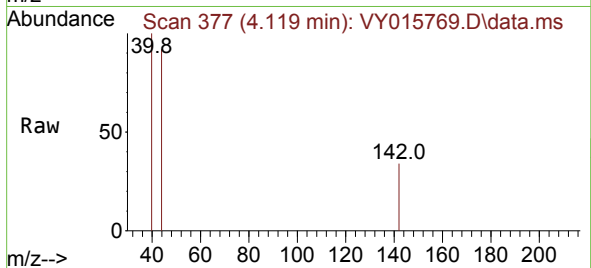
Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 60.6 75.8 113.6#



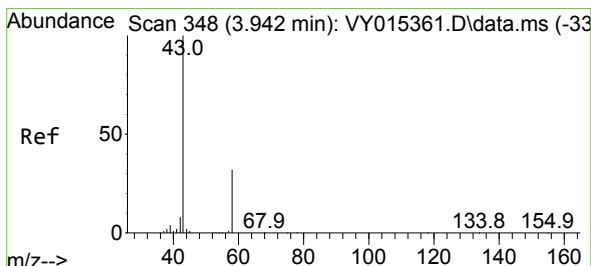
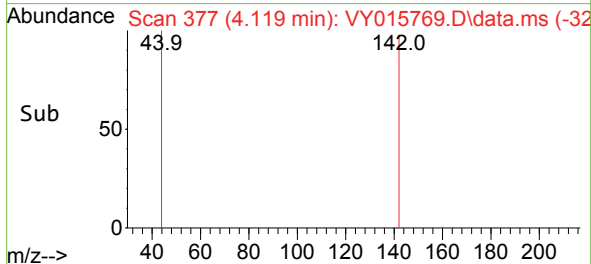
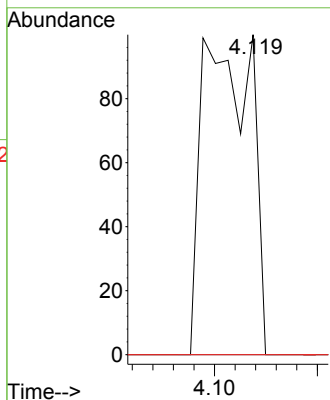


#10
Methyl Iodide
Concen: 2.821 ug/l
RT: 4.119 min Scan# 31
Delta R.T. 0.037 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Instrument :
MSVOA_Y
ClientSampleId :

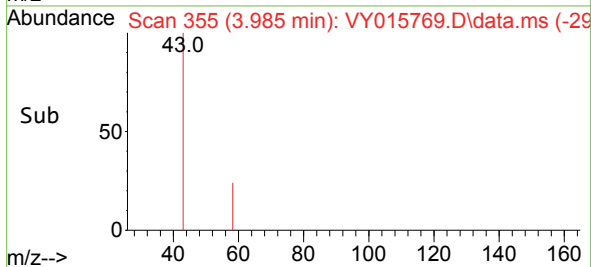
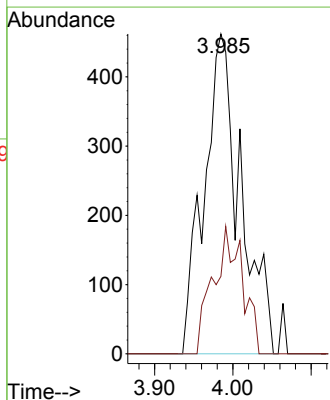
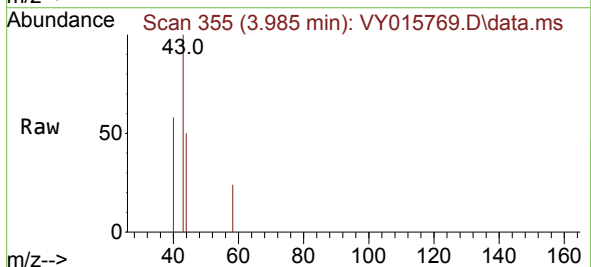


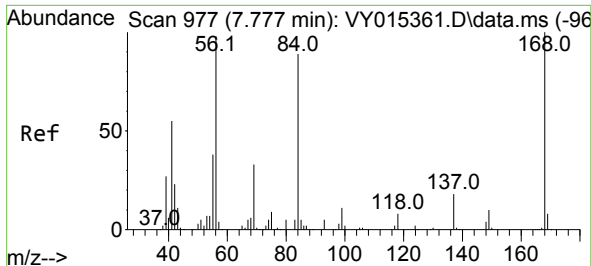
Tgt Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.771 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.043 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

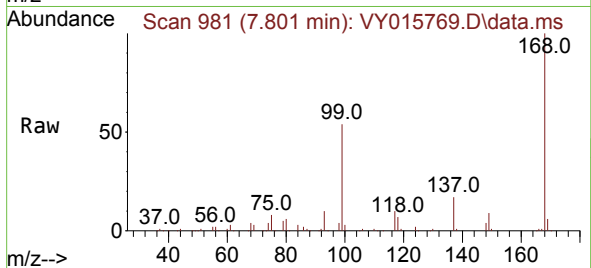
Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
58 24.2 22.7 34.1



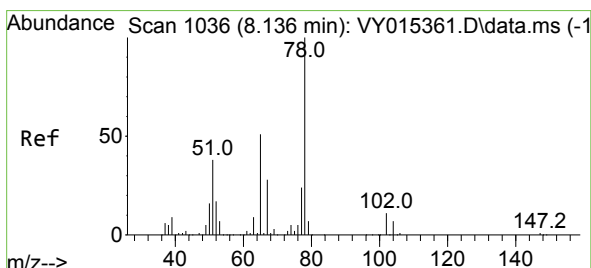
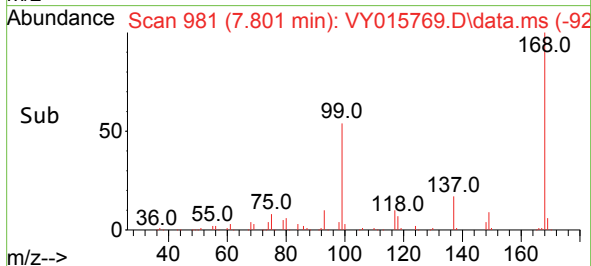
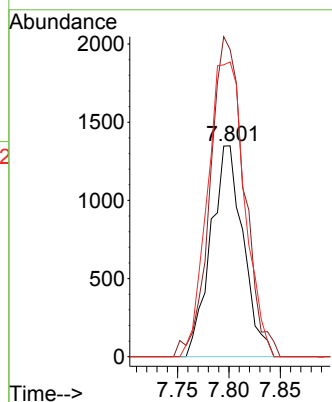


#31
Cyclohexane
Concen: 1.353 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Instrument :
MSVOA_Y
ClientSampleId :

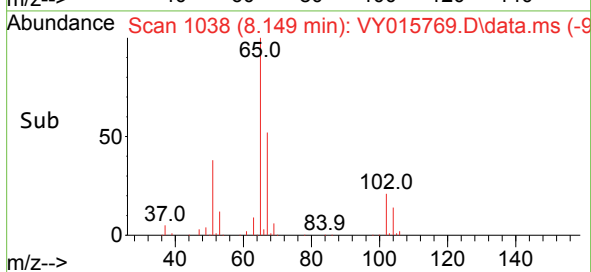
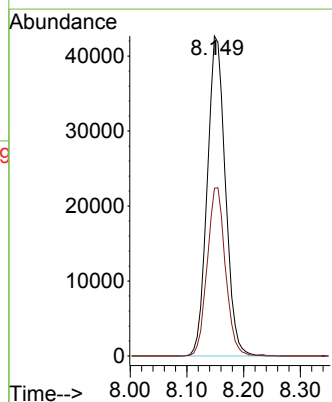
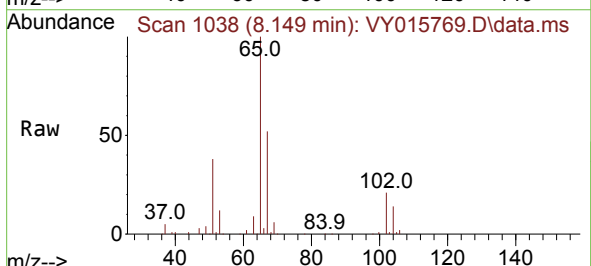


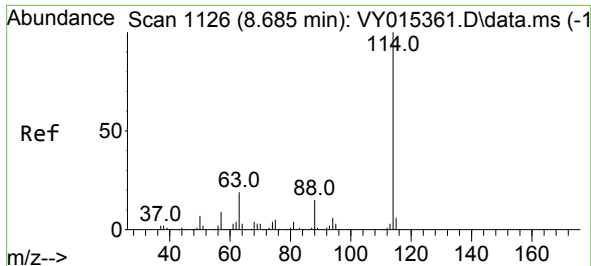
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 145.7 27.8 41.6#
84 139.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.086 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Tgt Ion: 65 Resp: 94758
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY015769.D

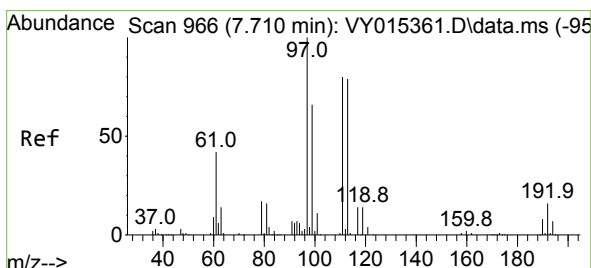
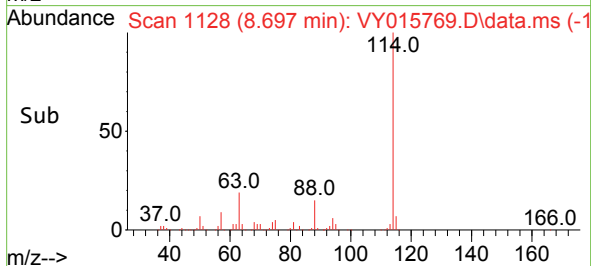
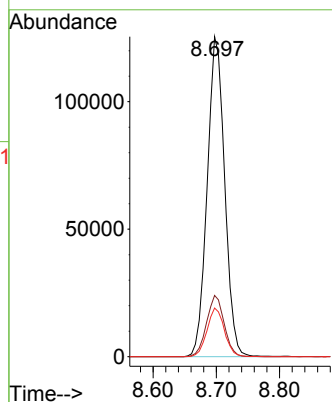
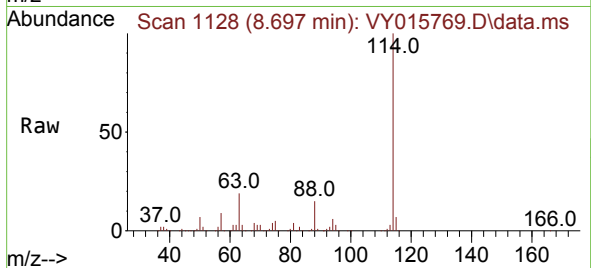
Acq: 29 Sep 2023 21:23

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	241409
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 42.4
88	15.2	0.0 30.6



#35

Dibromofluoromethane

Concen: 53.631 ug/l

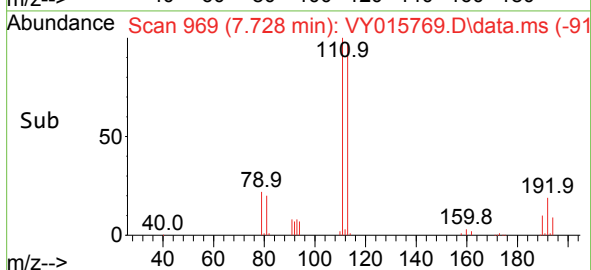
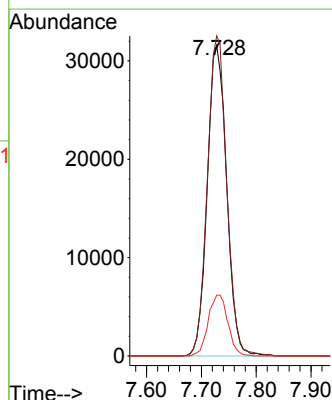
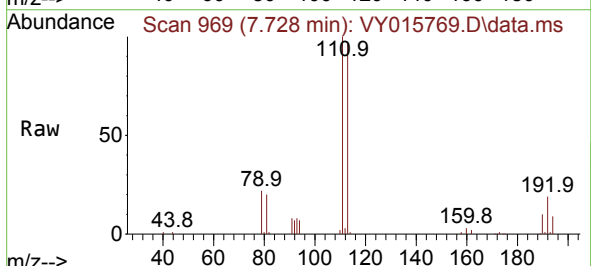
RT: 7.728 min Scan# 969

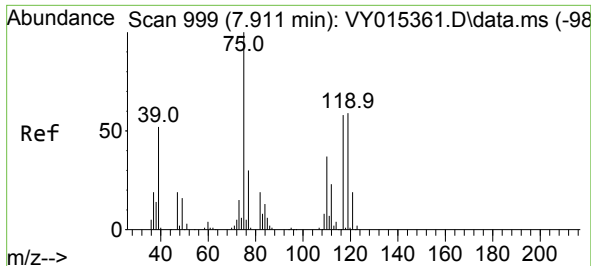
Delta R.T. 0.012 min

Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

Tgt Ion:113	Resp:	77493
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: 5.221 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.116 min

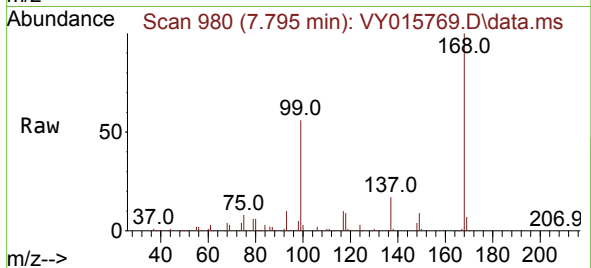
Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

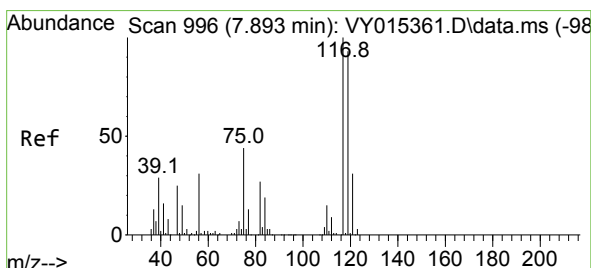
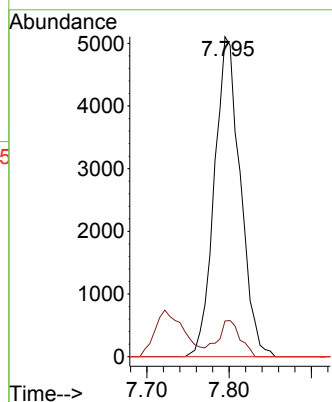
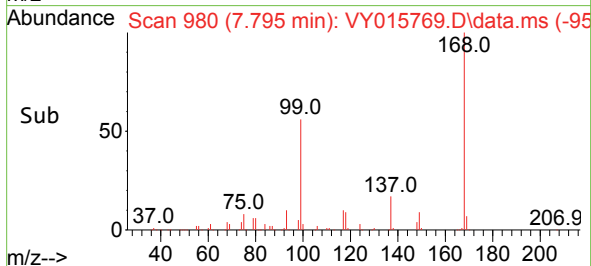
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	11155
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.980 ug/l

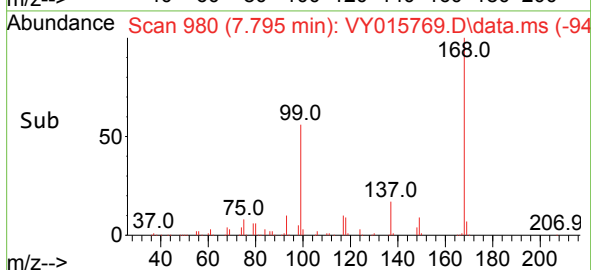
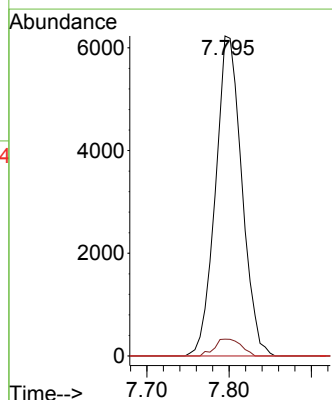
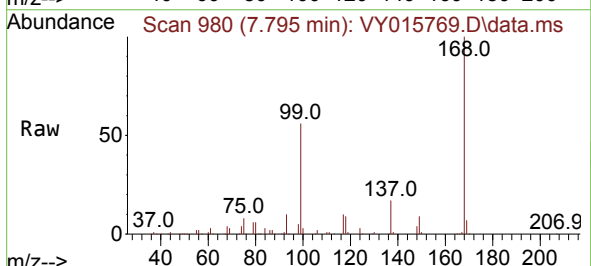
RT: 7.795 min Scan# 980

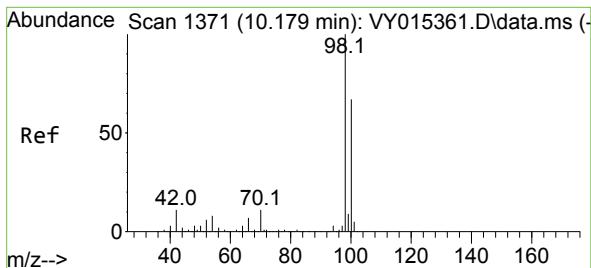
Delta R.T. -0.098 min

Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

Tgt Ion:	117	Resp:	13868
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.4	114.6#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 57.686 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

Instrument :

MSVOA_Y

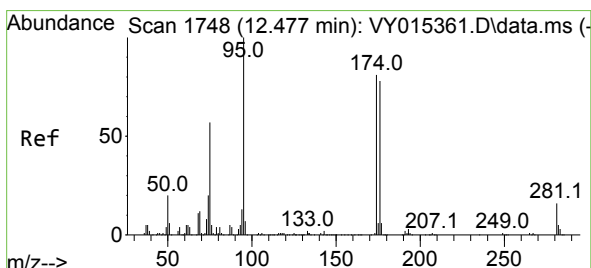
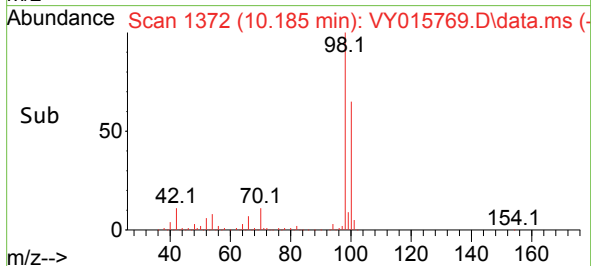
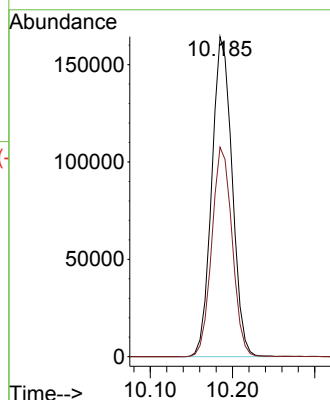
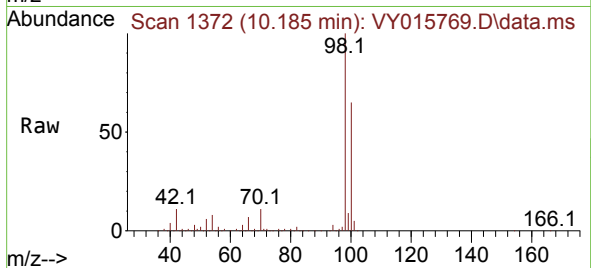
ClientSampleId :

Tgt Ion: 98 Resp: 282616

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.131 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

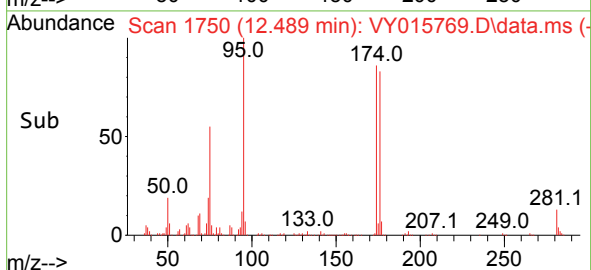
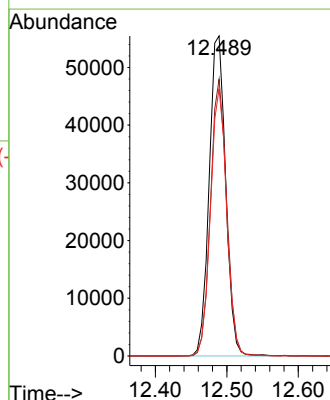
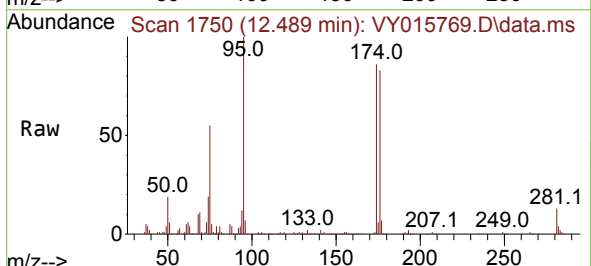
Tgt Ion: 95 Resp: 88691

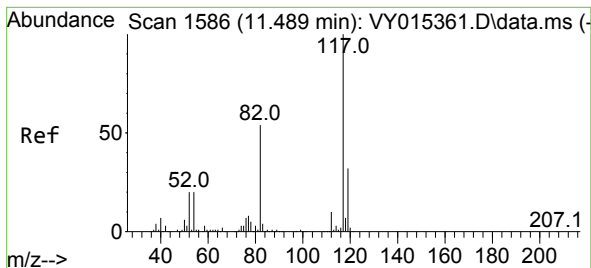
Ion Ratio Lower Upper

95 100

174 84.8 0.0 178.2

176 82.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

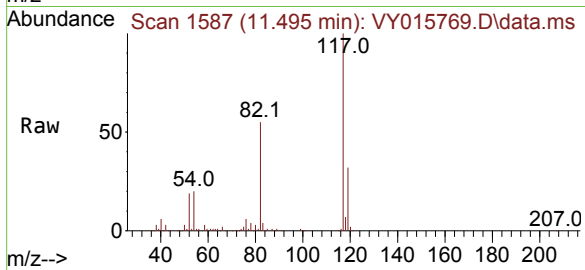
Lab File: VY015769.D

Acq: 29 Sep 2023 21:23

Instrument :

MSVOA_Y

ClientSampleId :



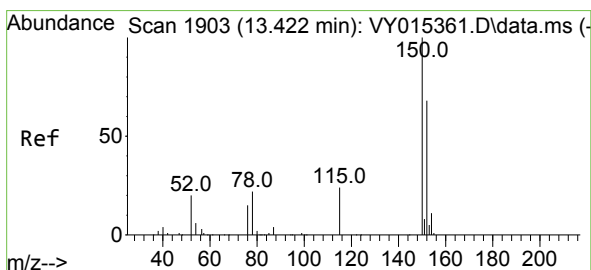
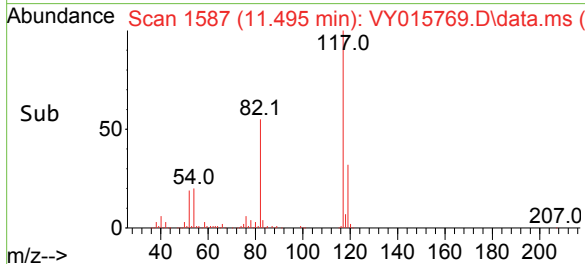
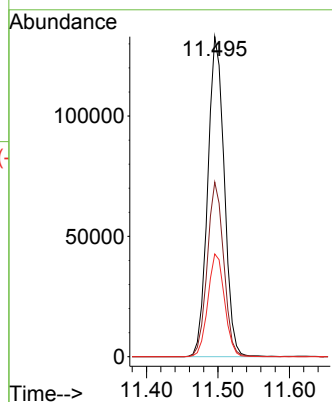
Tgt Ion:117 Resp: 213375

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.1 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: VY015769.D

Acq: 29 Sep 2023 21:23

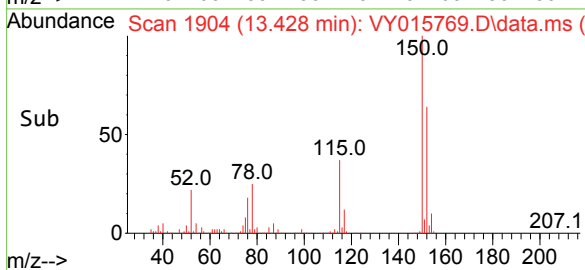
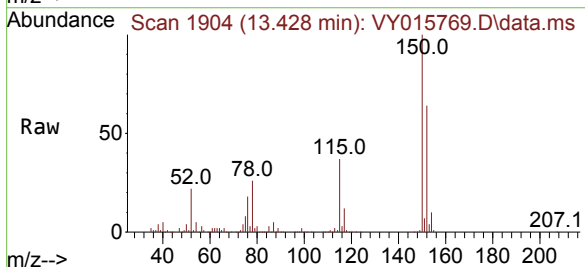
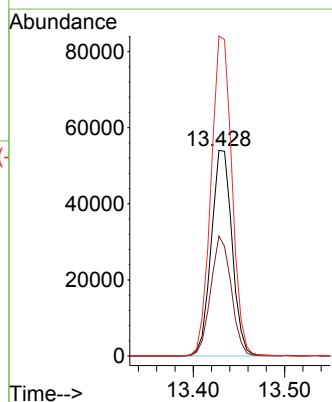
Tgt Ion:152 Resp: 85463

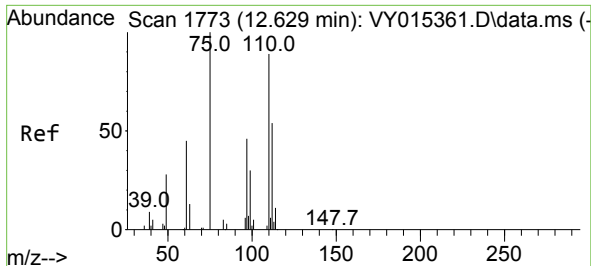
Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.3 0.0 348.8

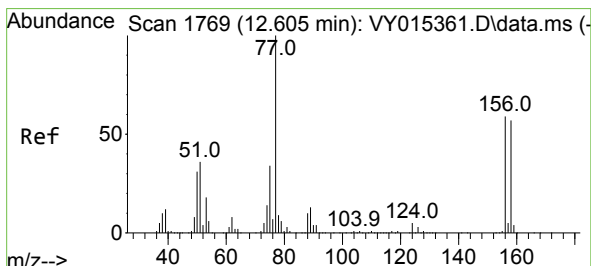
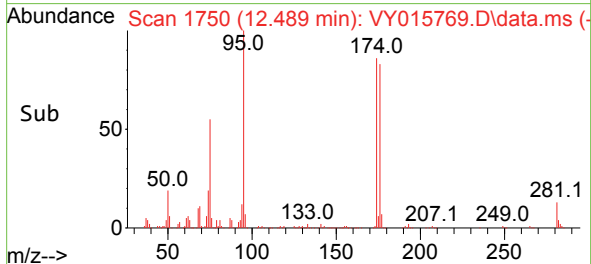
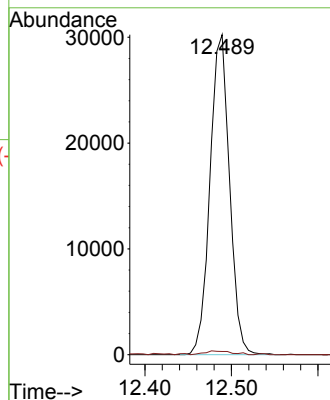
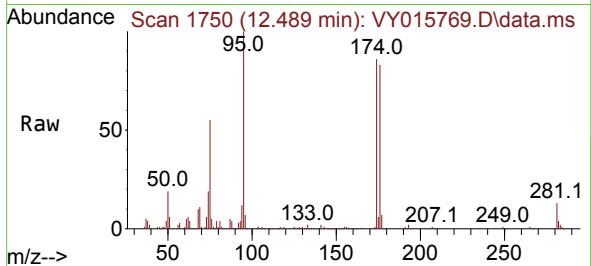




#76
1,2,3-Trichloropropane
Concen: 34.756 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

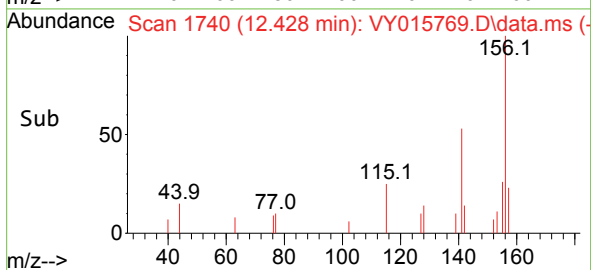
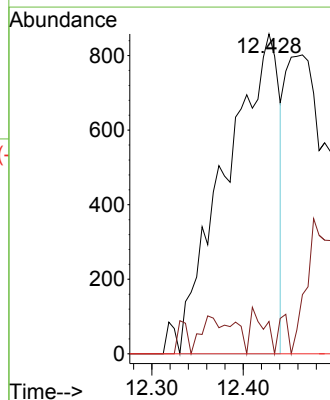
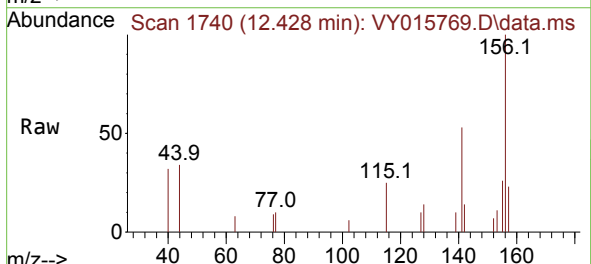
Instrument :
MSVOA_Y
ClientSampleId :

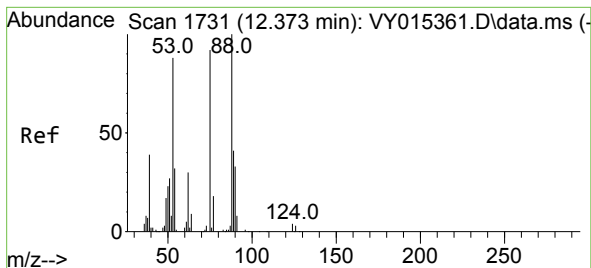
Tgt Ion: 75 Resp: 47387
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 2.202 ug/l
RT: 12.428 min Scan# 1740
Delta R.T. -0.177 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Tgt Ion: 156 Resp: 3466
Ion Ratio Lower Upper
156 100
77 2.1 92.8 278.6#
158 0.0 48.4 145.3#

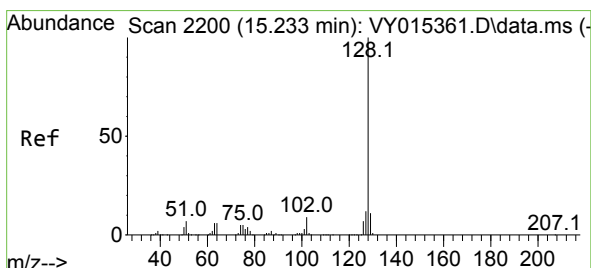
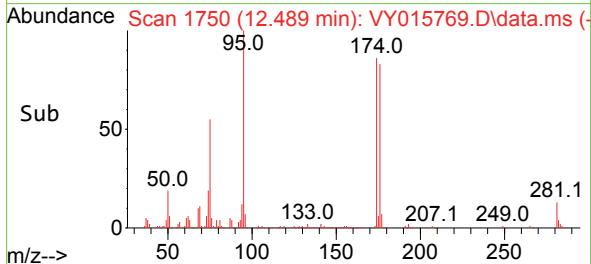
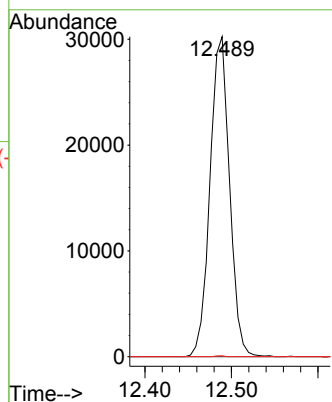
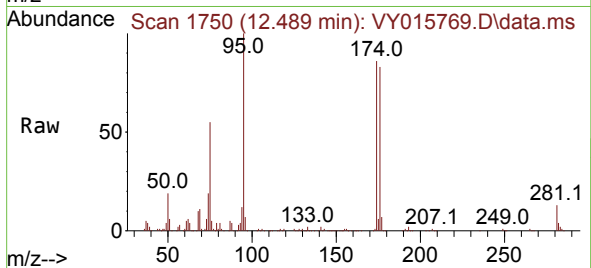




#81
trans-1,4-Dichloro-2-butene
Concen: 78.267 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 47387
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 30.070 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015769.D
Acq: 29 Sep 2023 21:23

Tgt Ion:128 Resp: 142263
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.0 8.6 13.0

