

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015894.D
 Acq On : 10 Oct 2023 14:07
 Operator : SY/MD
 Sample : 04609-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:20:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

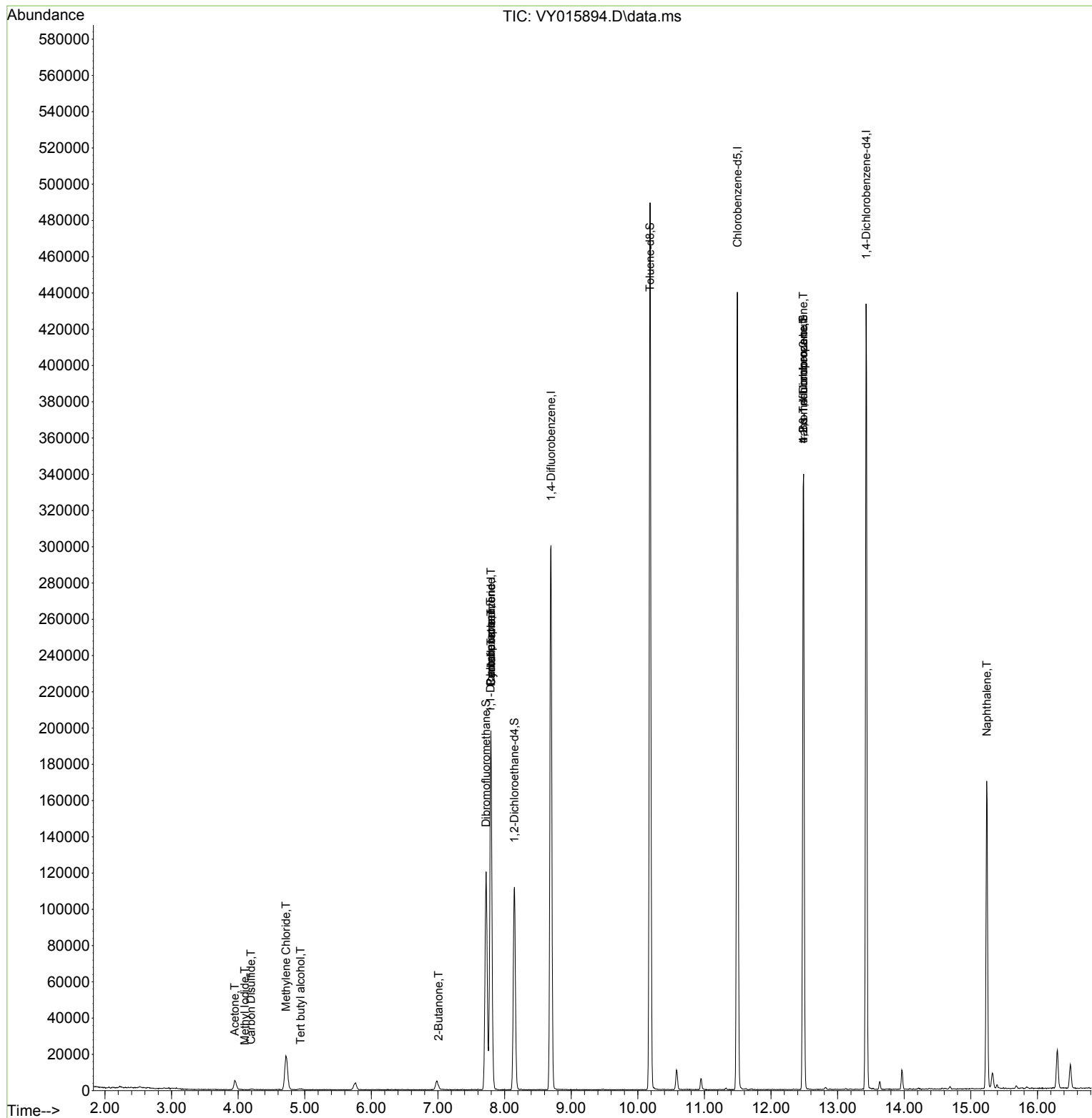
Internal Standards						
1) Pentafluorobenzene	7.795	168	154169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	267672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	245779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87546	63.109	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.220%			
35) Dibromofluoromethane	7.722	113	86966	58.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.500%			
50) Toluene-d8	10.185	98	314946	64.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 128.020%			
62) 4-Bromofluorobenzene	12.483	95	106089	53.082	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.160%			
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	20	2.289	ug/l #	38
11) Tert butyl alcohol	4.936	59	563	12.252	ug/l #	89
16) Acetone	3.948	43	8939	18.771	ug/l #	88
17) Carbon Disulfide	4.192	76	388	3.003	ug/l #	76
20) Methylene Chloride	4.716	84	14902	1.095	ug/l	86
25) 2-Butanone	7.009	43	847	1.113	ug/l #	84
31) Cyclohexane	7.795	56	2786	1.875	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11276	6.819	ug/l #	50
38) Carbon Tetrachloride	7.795	117	15616	7.864	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	54470	40.906	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54470	90.708	ug/l #	11
95) Naphthalene	15.239	128	142257	29.059	ug/l	99

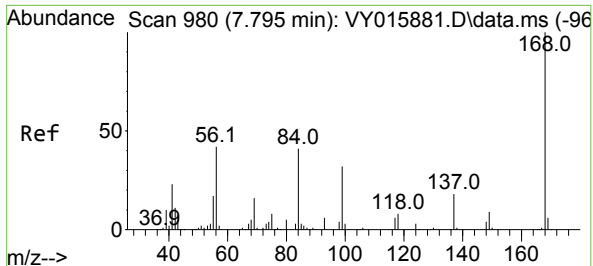
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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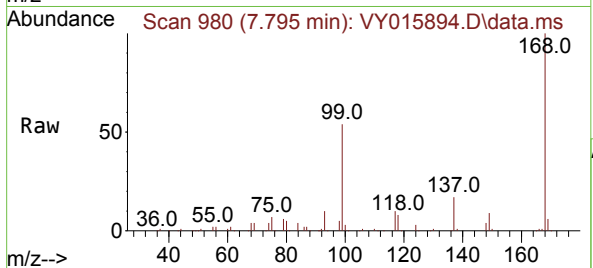
Quant Time: Oct 11 01:20:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 10 07:06:18 2023
Response via : Initial Calibration



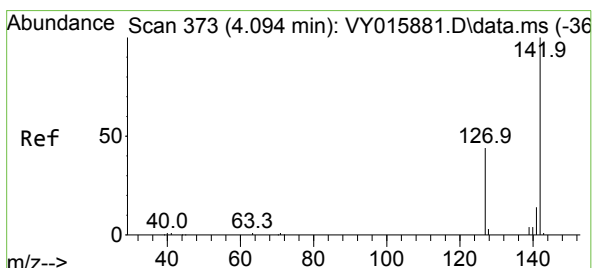
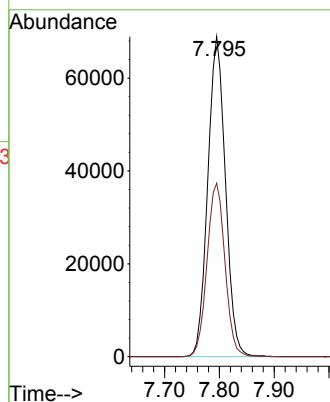
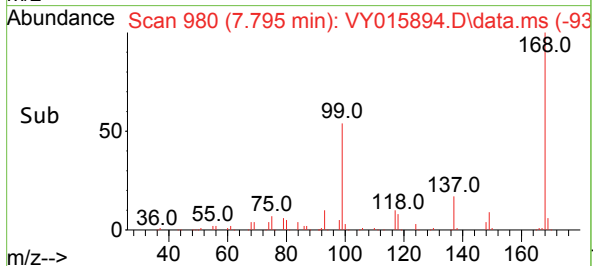


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

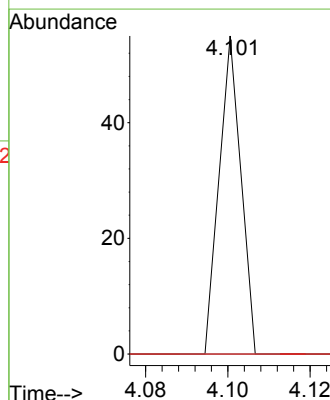
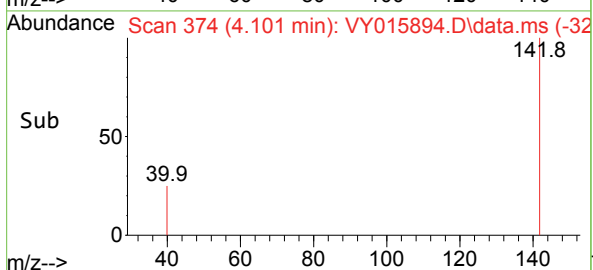
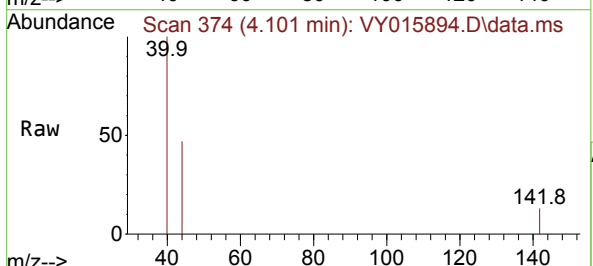


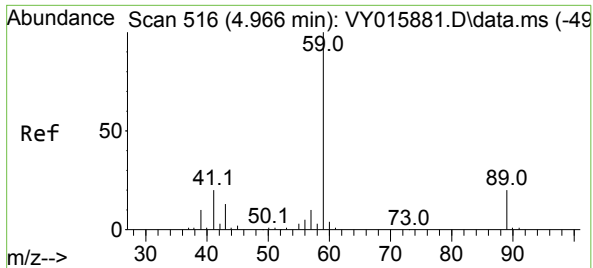
Tgt Ion:168 Resp: 154169
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.289 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

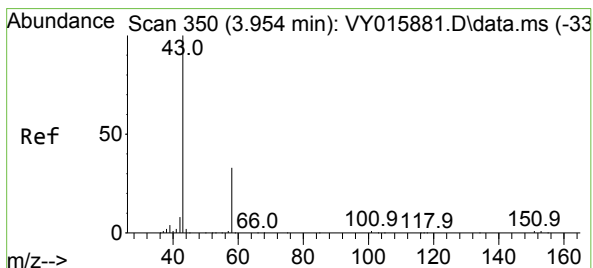
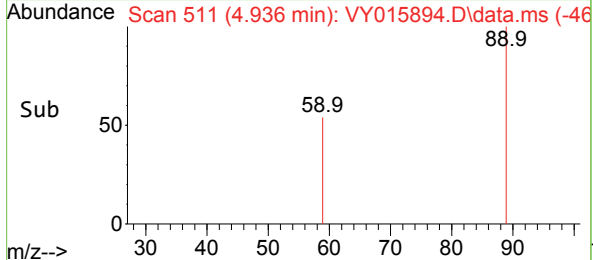
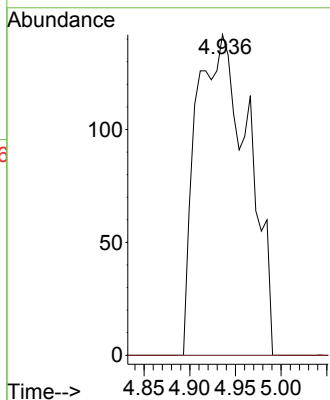
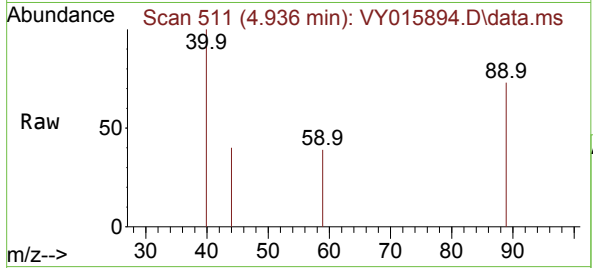




#11
Tert butyl alcohol
Concen: 12.252 ug/l
RT: 4.936 min Scan# 516
Delta R.T. -0.030 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

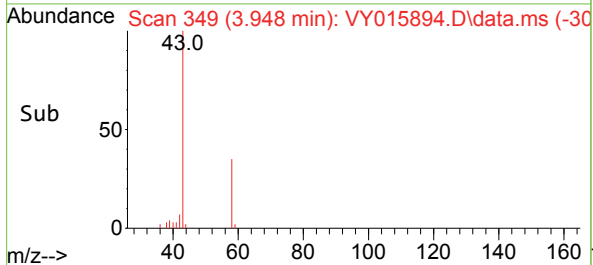
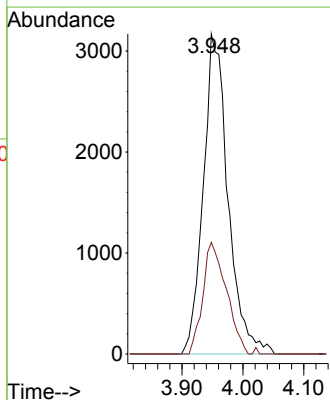
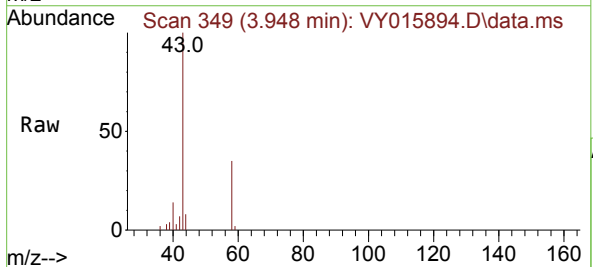
Instrument :
MSVOA_Y
ClientSampleId :

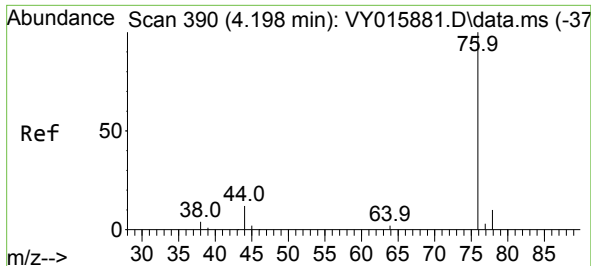
Tgt Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 18.771 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

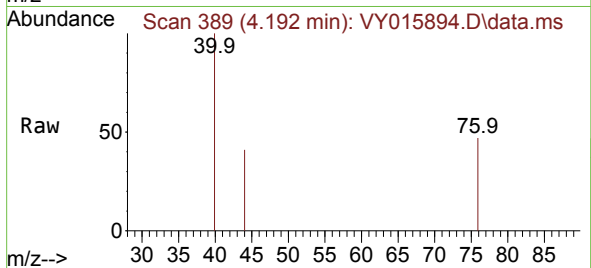
Tgt Ion: 43 Resp: 8939
Ion Ratio Lower Upper
43 100
58 34.9 22.7 34.1#



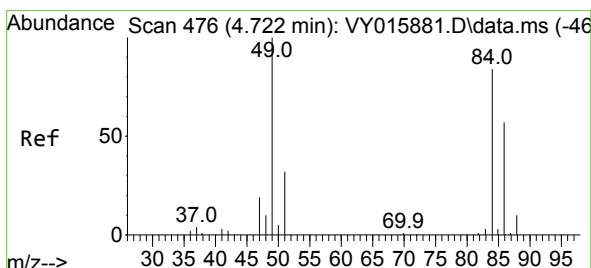
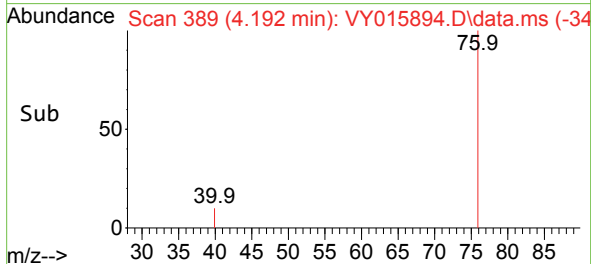
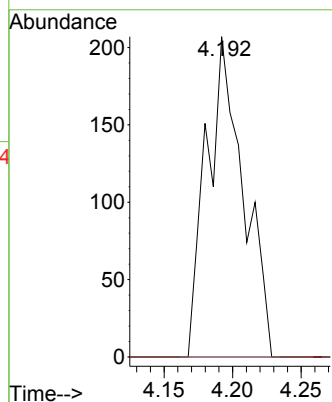


#17
Carbon Disulfide
Concen: 3.003 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

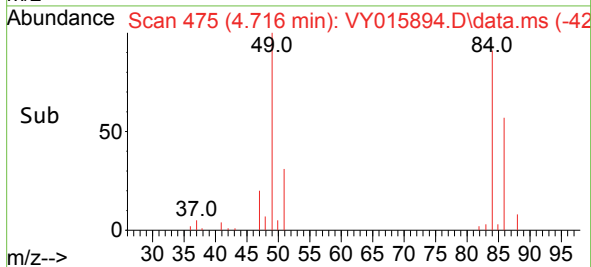
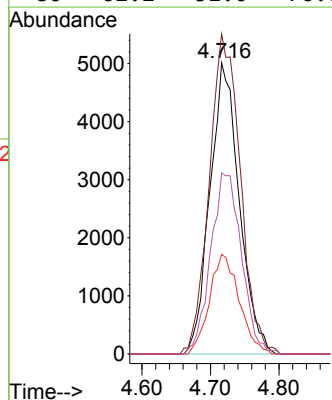
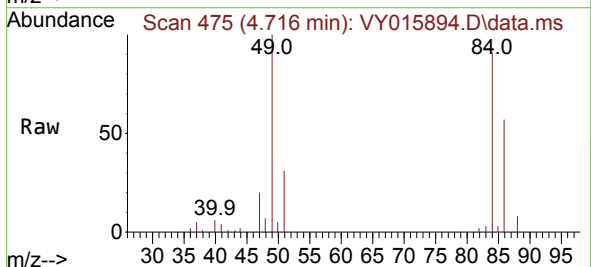


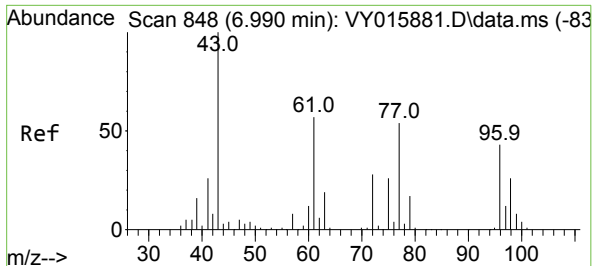
Tgt Ion: 76 Resp: 388
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Tgt Ion: 84 Resp: 14902
Ion Ratio Lower Upper
84 100
49 109.9 106.9 160.3
51 34.3 33.2 49.8
86 62.2 51.0 76.6





#25

2-Butanone

Concen: 1.113 ug/l

RT: 7.009 min Scan# 847

Delta R.T. 0.018 min

Lab File: VY015894.D

Acq: 10 Oct 2023 14:07

Instrument :

MSVOA_Y

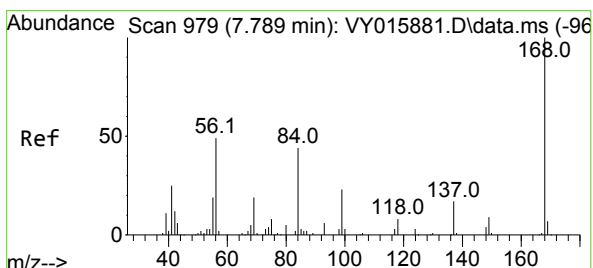
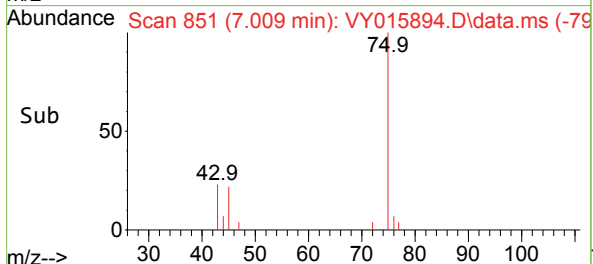
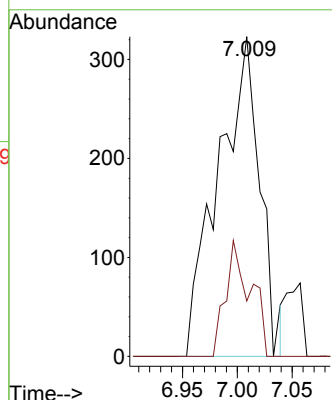
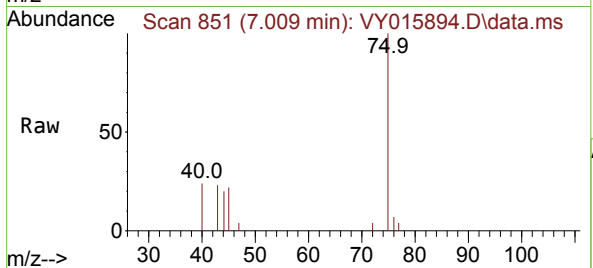
ClientSampleId :

Tgt Ion: 43 Resp: 847

Ion Ratio Lower Upper

43 100

72 17.3 20.5 30.7#



#31

Cyclohexane

Concen: 1.875 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY015894.D

Acq: 10 Oct 2023 14:07

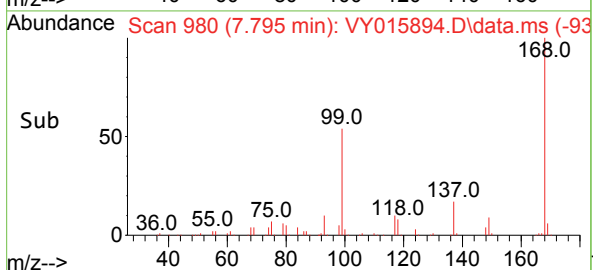
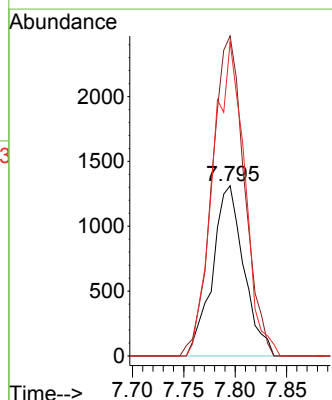
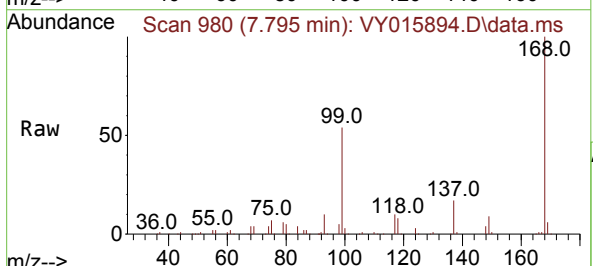
Tgt Ion: 56 Resp: 2786

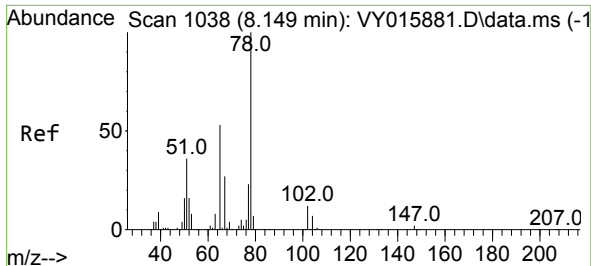
Ion Ratio Lower Upper

56 100

69 188.0 27.8 41.6#

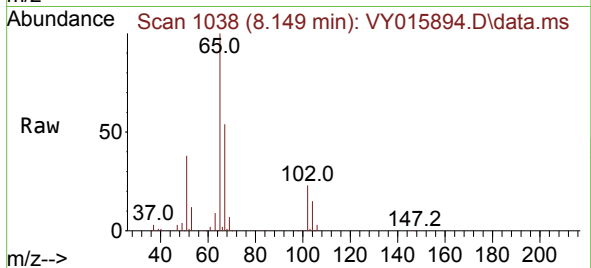
84 184.6 66.4 99.6#



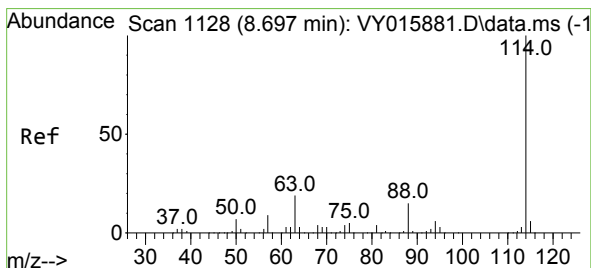
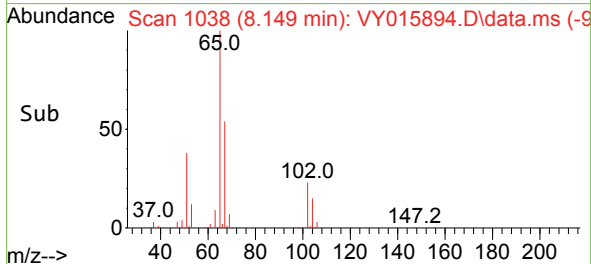
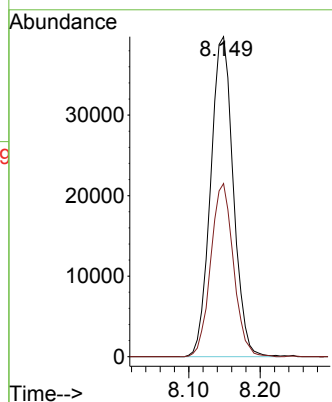


#33
 1,2-Dichloroethane-d4
 Concen: 63.109 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY015894.D
 Acq: 10 Oct 2023 14:07

Instrument :
 MSVOA_Y
 ClientSampleId :

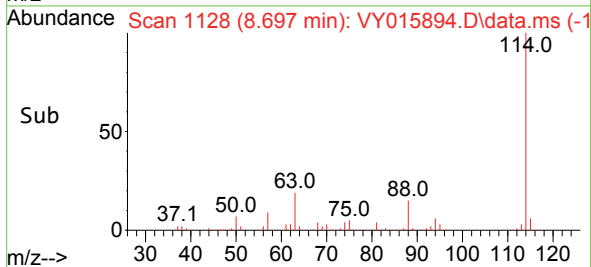
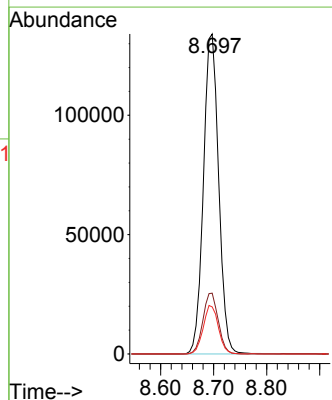
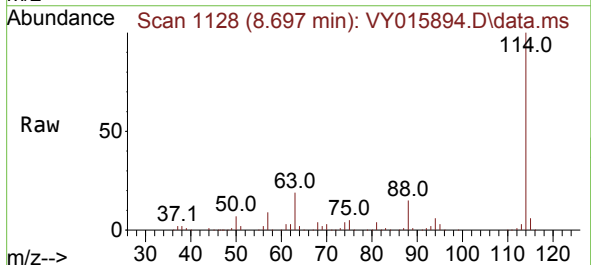


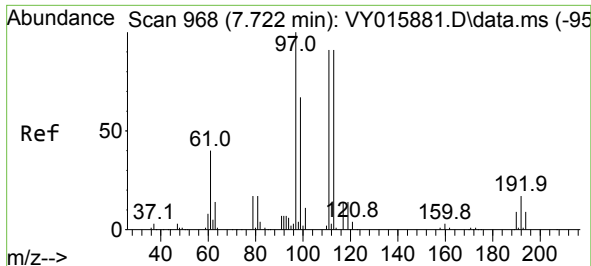
Tgt Ion: 65 Resp: 87546
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY015894.D
 Acq: 10 Oct 2023 14:07

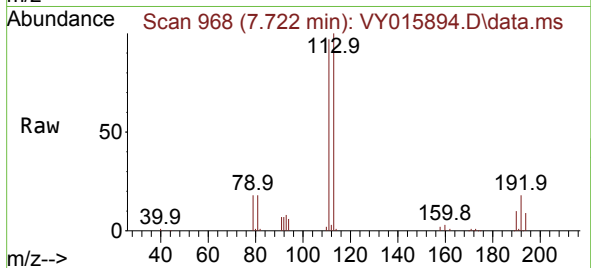
Tgt Ion: 114 Resp: 267672
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 14.7 0.0 30.6



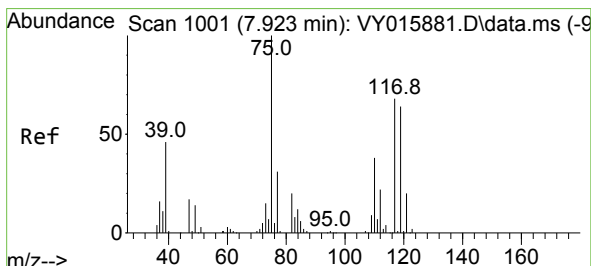
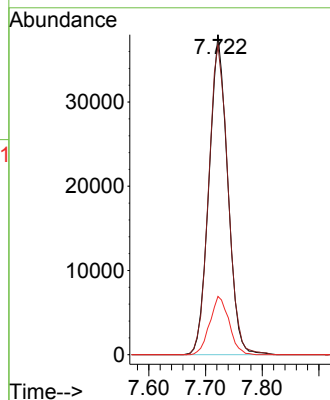
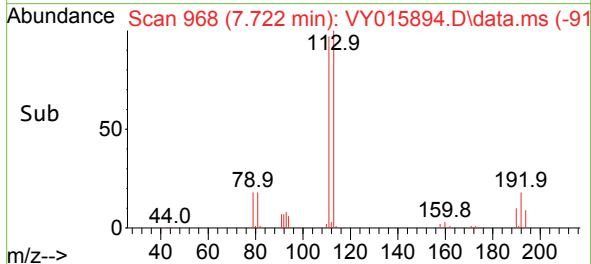


#35
Dibromofluoromethane
Concen: 58.249 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

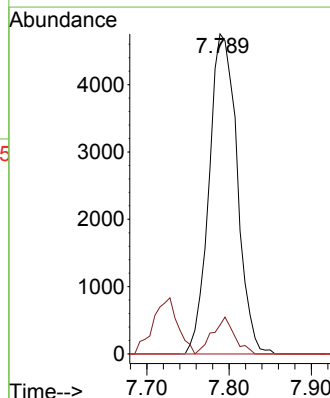
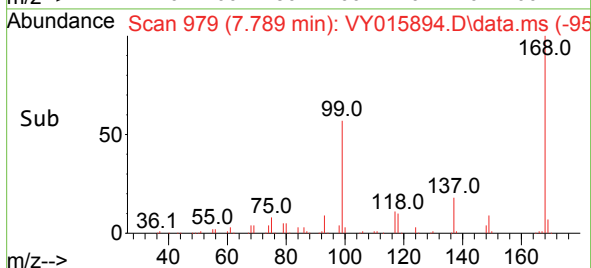
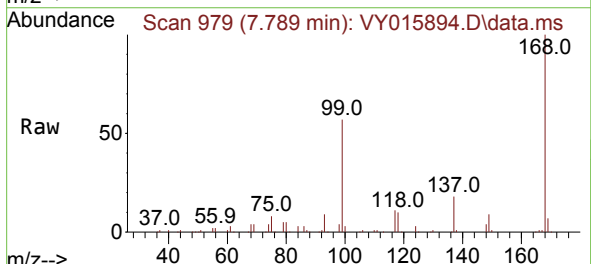


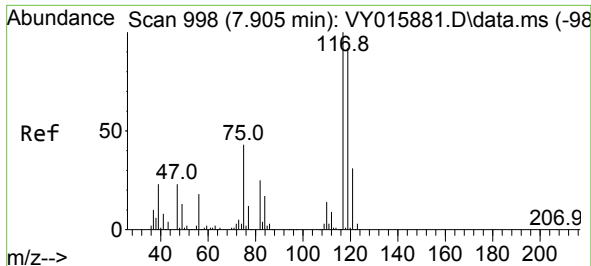
Tgt Ion:113 Resp: 86966
Ion Ratio Lower Upper
113 100
111 100.3 81.3 121.9
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.819 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

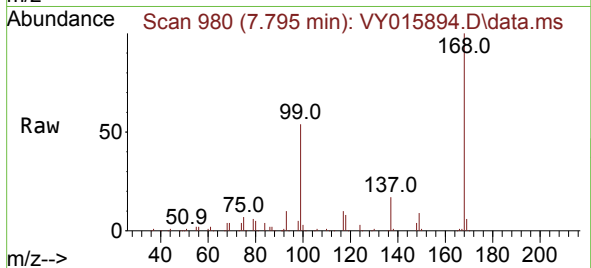
Tgt Ion: 75 Resp: 11276
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



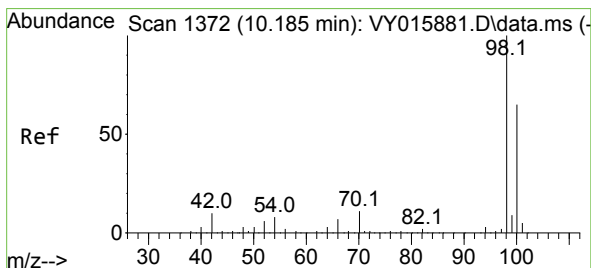
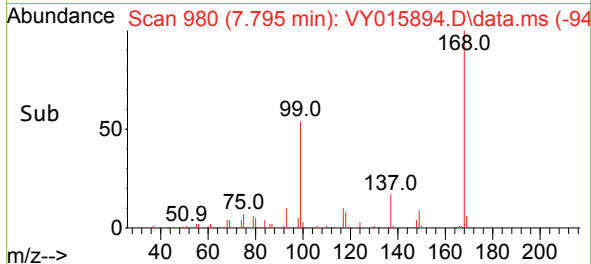
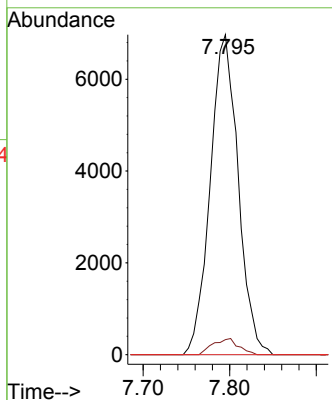


#38
Carbon Tetrachloride
Concen: 7.864 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

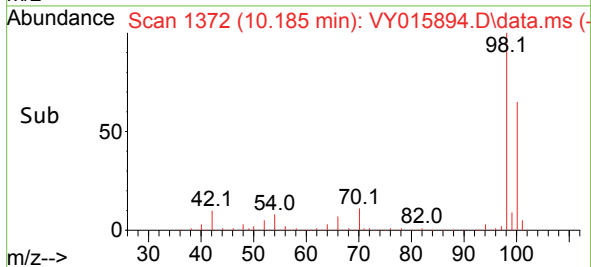
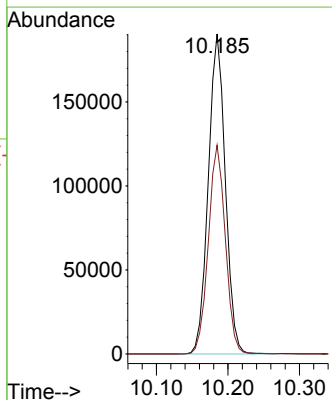
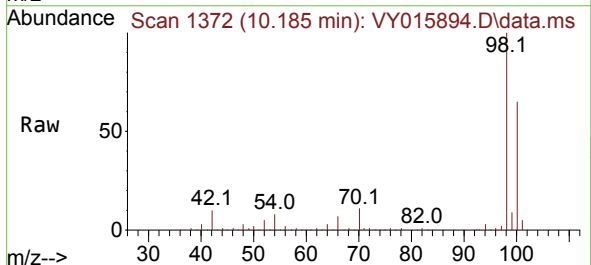


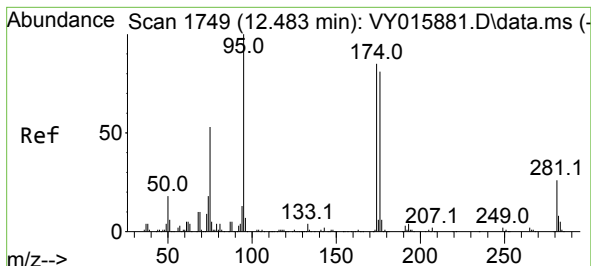
Tgt Ion:117 Resp: 15616
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 64.006 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Tgt Ion: 98 Resp: 314946
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

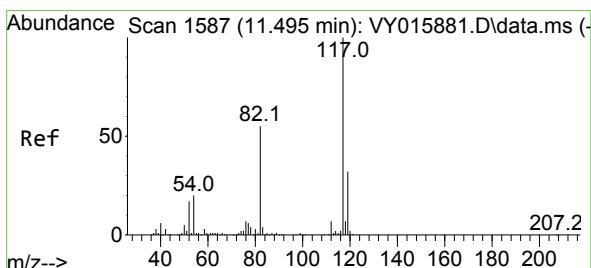
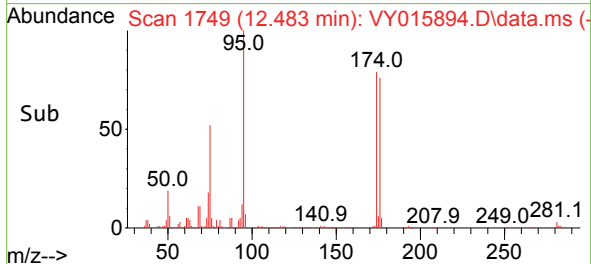
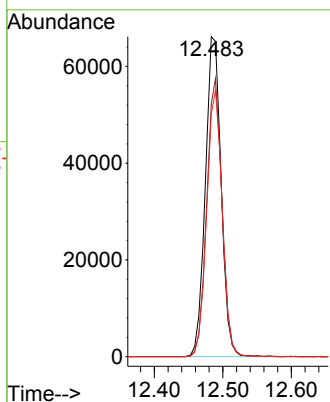
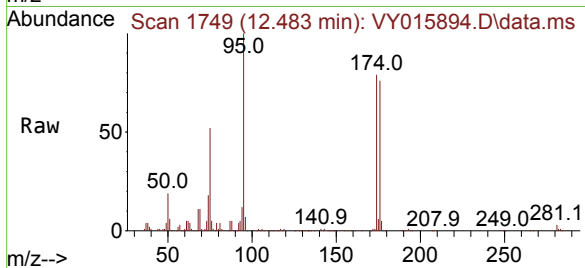




#62
4-Bromofluorobenzene
Concen: 53.082 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

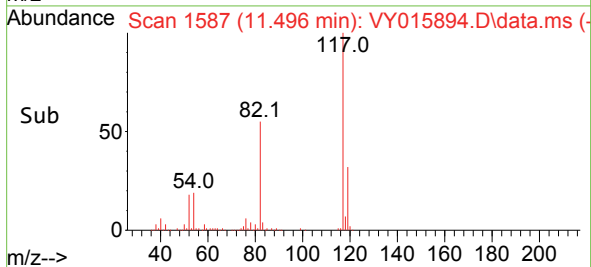
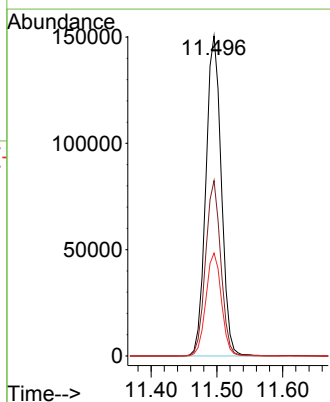
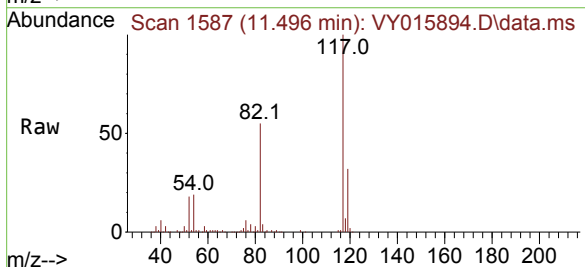
Instrument :
MSVOA_Y
ClientSampleId :

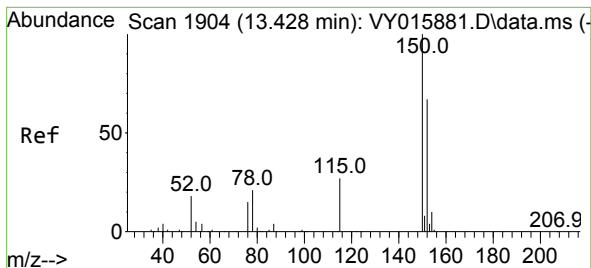
Tgt Ion: 95 Resp: 106089
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Tgt Ion: 117 Resp: 245779
Ion Ratio Lower Upper
117 100
82 54.8 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. 0.000 min

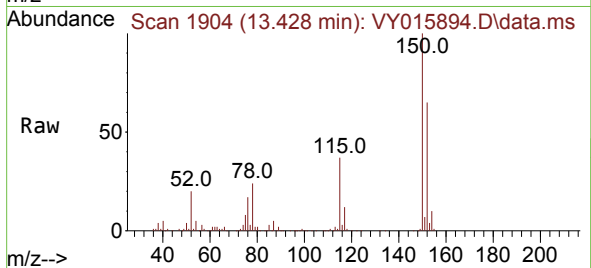
Lab File: VY015894.D

Acq: 10 Oct 2023 14:07

Instrument :

MSVOA_Y

ClientSampleId :



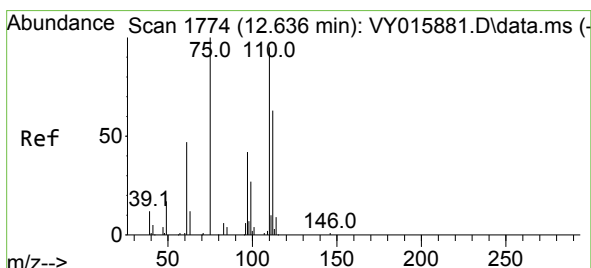
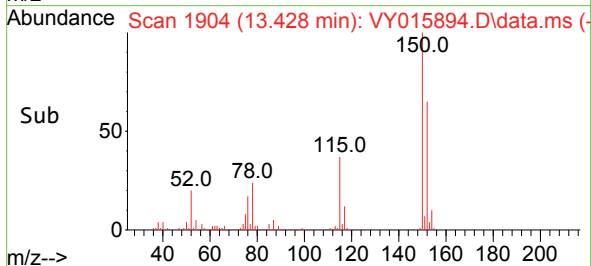
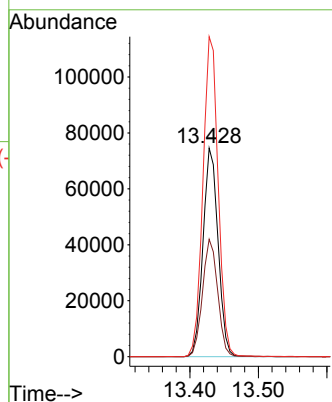
Tgt Ion:152 Resp: 114068

Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 155.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.906 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015894.D

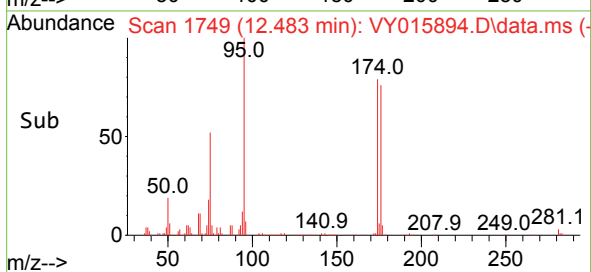
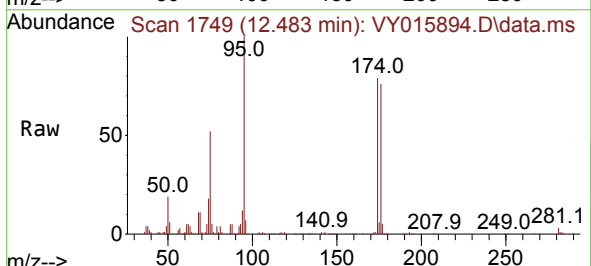
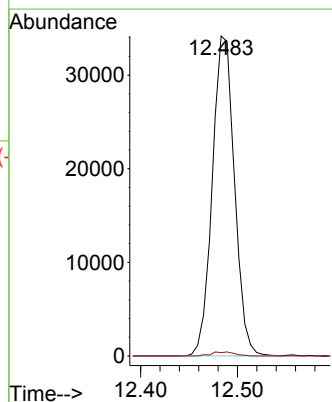
Acq: 10 Oct 2023 14:07

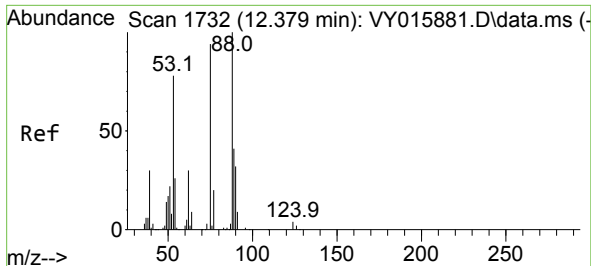
Tgt Ion: 75 Resp: 54470

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

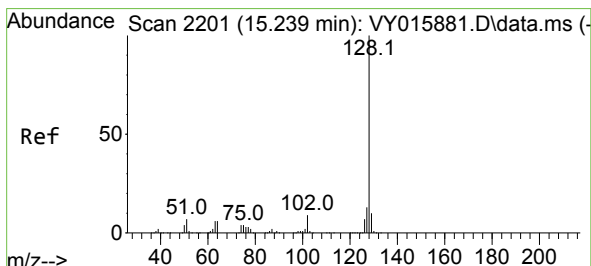
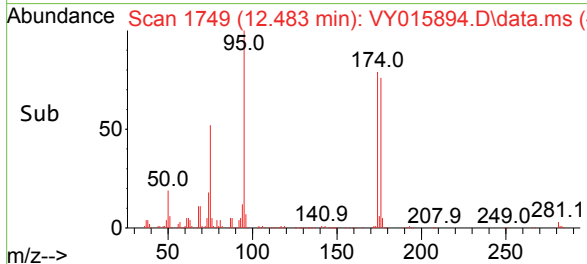
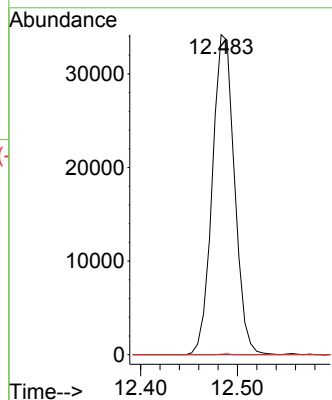
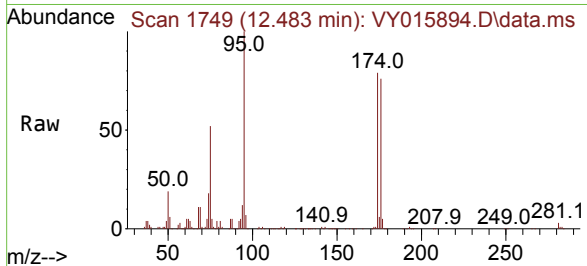




#81
trans-1,4-Dichloro-2-butene
Concen: 90.708 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 54470
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 29.059 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY015894.D
Acq: 10 Oct 2023 14:07

Tgt Ion:128 Resp: 142257
Ion Ratio Lower Upper
128 100
127 12.8 10.8 16.2
129 11.1 8.6 13.0

