

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033123\
 Data File : VY013161.D
 Acq On : 31 Mar 2023 15:43
 Operator : KP/MD
 Sample : 02161-04
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5

Quant Time: Apr 01 00:07:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 05:07:15 2023
 Response via : Initial Calibration

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

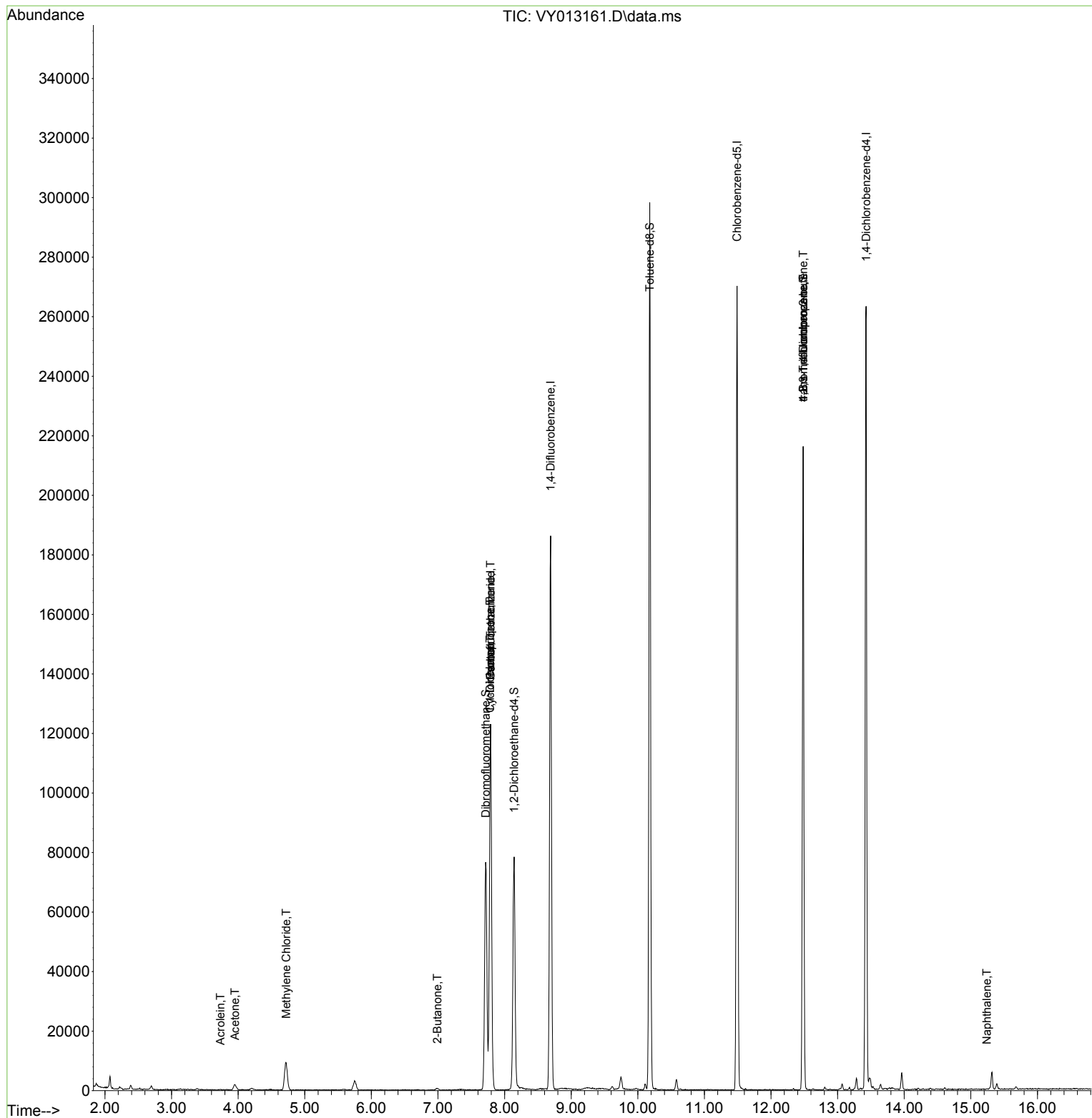
Internal Standards						
1) Pentafluorobenzene	7.789	168	96932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	157874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	147492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61414	58.955	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 117.900%		
35) Dibromofluoromethane	7.715	113	54127	52.482	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.960%		
50) Toluene-d8	10.178	98	189232	48.603	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 97.200%		
62) 4-Bromofluorobenzene	12.483	95	59129	46.656	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 93.320%		
Target Compounds						
13) Acrolein	3.734	56	160	1.214	ug/l #	14
16) Acetone	3.954	43	3491	10.959	ug/l	93
20) Methylene Chloride	4.722	84	6900	1.013	ug/l	93
25) 2-Butanone	6.990	43	816	2.049	ug/l #	49
31) Cyclohexane	7.782	56	2016	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	6992	4.503	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8985	5.245	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	31038	39.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31038	88.345	ug/l #	13
95) Naphthalene	15.238	128	231	3.316	ug/l #	69

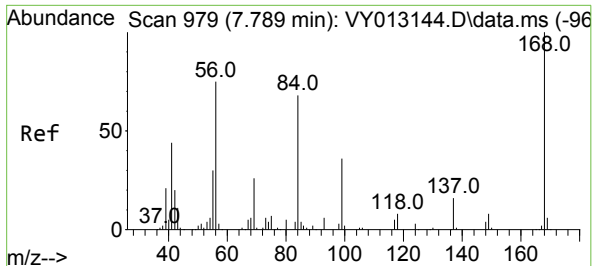
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 31 05:07:15 2023
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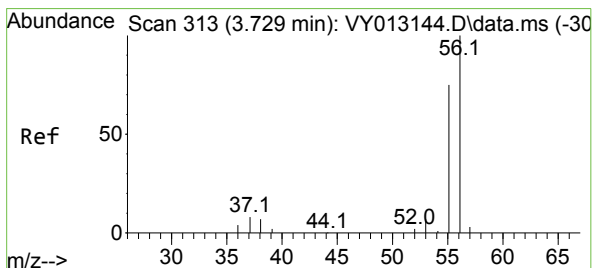
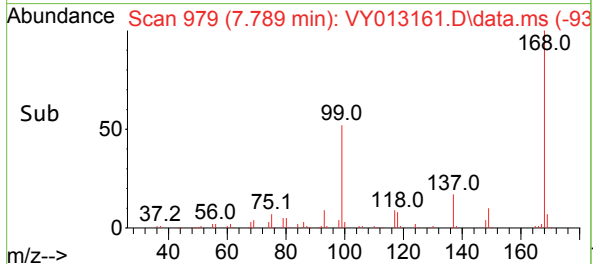
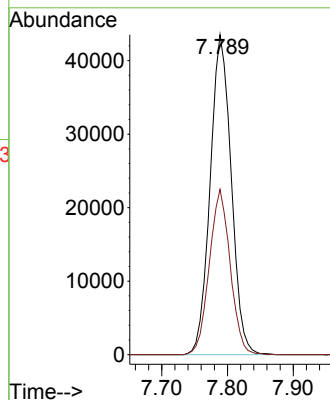
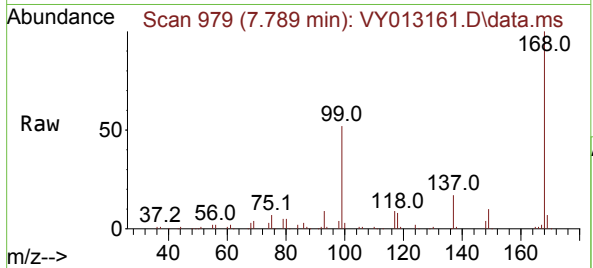




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

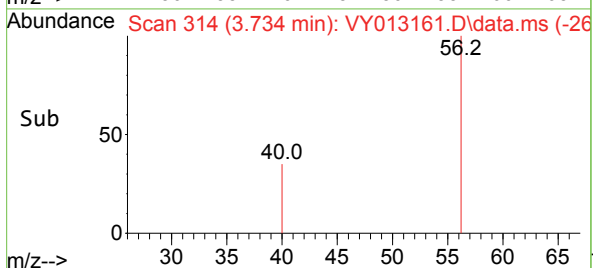
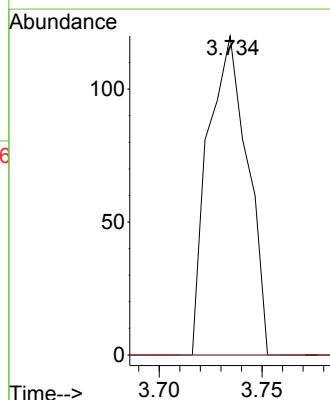
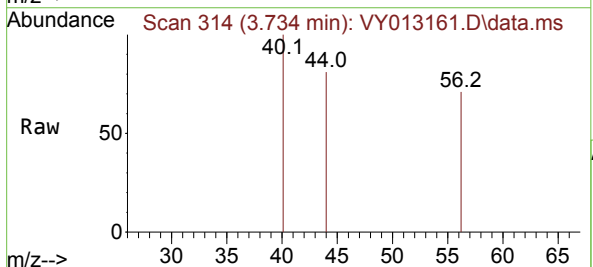
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

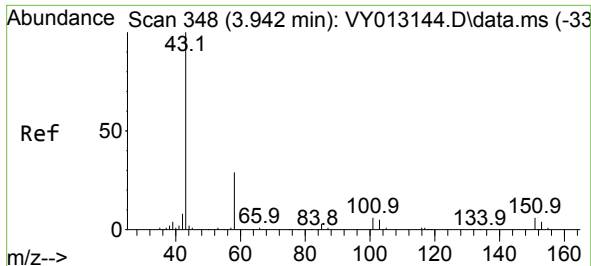
Tgt Ion:168 Resp: 96932
Ion Ratio Lower Upper
168 100
99 51.7 41.7 62.5



#13
Acrolein
Concen: 1.214 ug/l
RT: 3.734 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

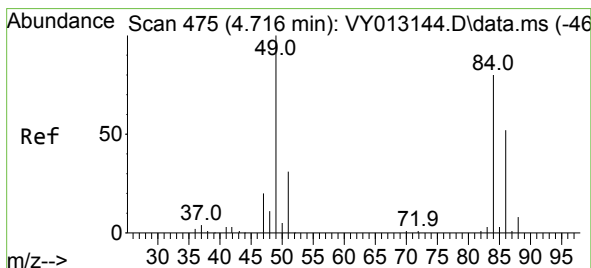
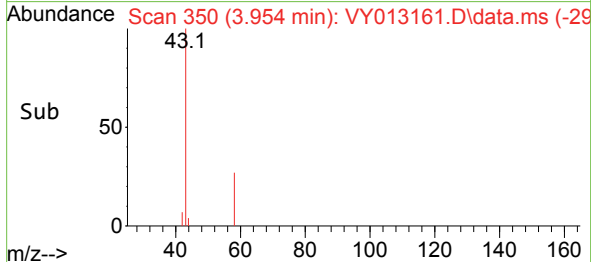
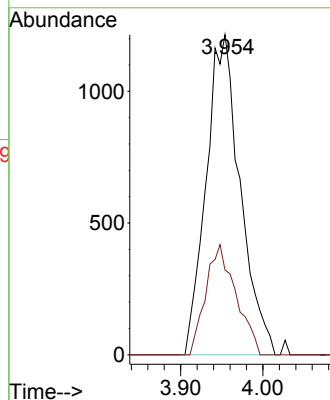
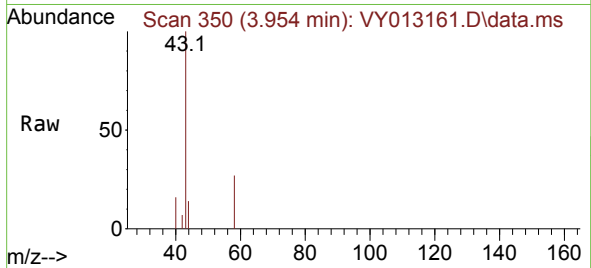




#16
Acetone
Concen: 10.959 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

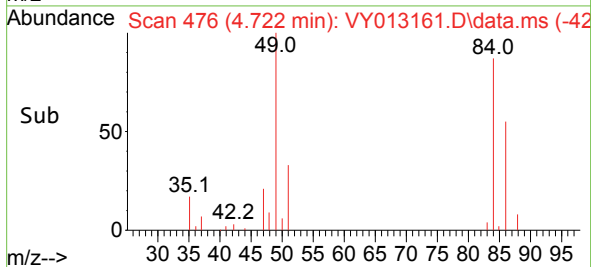
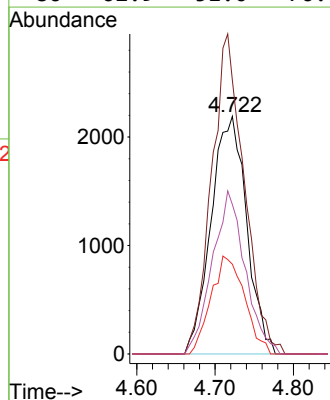
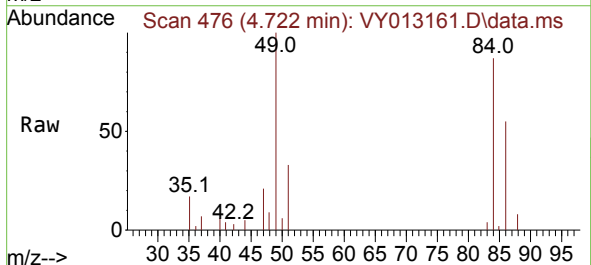
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

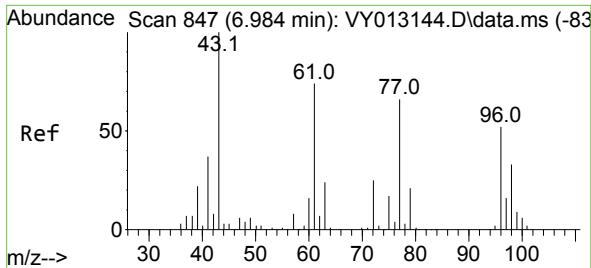
Tgt Ion: 43 Resp: 3491
Ion Ratio Lower Upper
43 100
58 26.5 24.2 36.2



#20
Methylene Chloride
Concen: 1.013 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 84 Resp: 6900
Ion Ratio Lower Upper
84 100
49 115.2 102.6 154.0
51 37.8 31.9 47.9
86 62.9 51.0 76.6

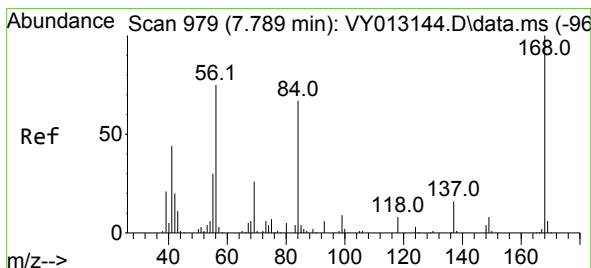
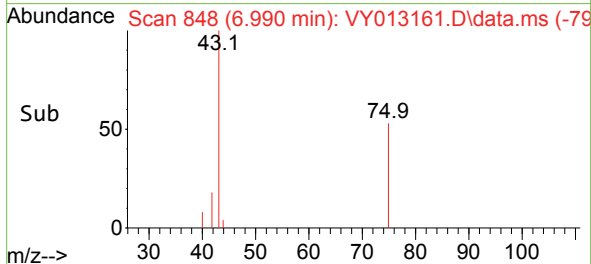
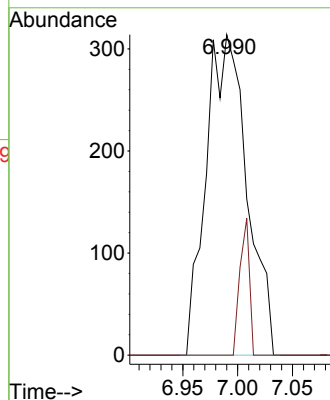
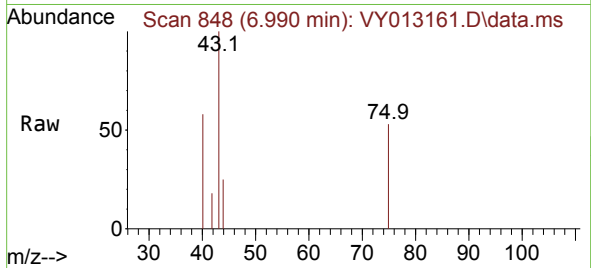




#25
2-Butanone
Concen: 2.049 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

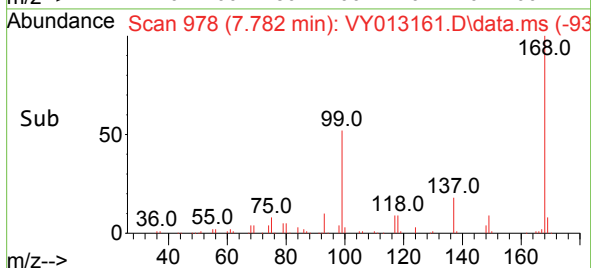
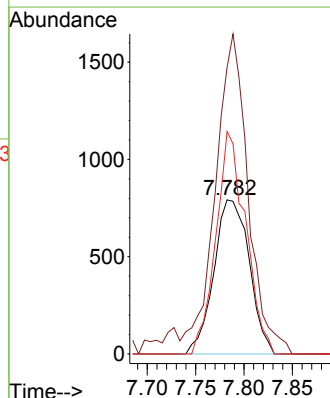
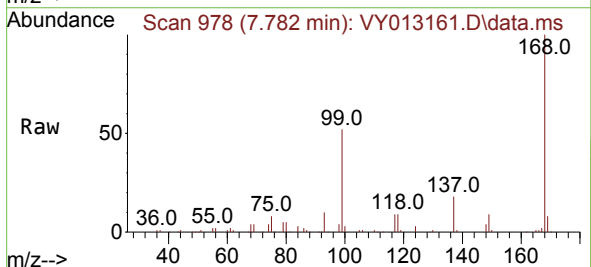
Instrument :
MSVOA_Y
ClientSampleId :
WC-5

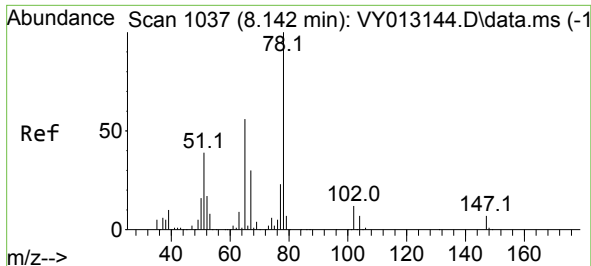
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 56 Resp: 2016
Ion Ratio Lower Upper
56 100
69 177.4 25.7 38.5#
84 144.3 64.3 96.5#

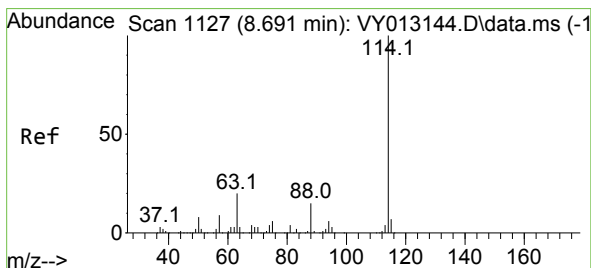
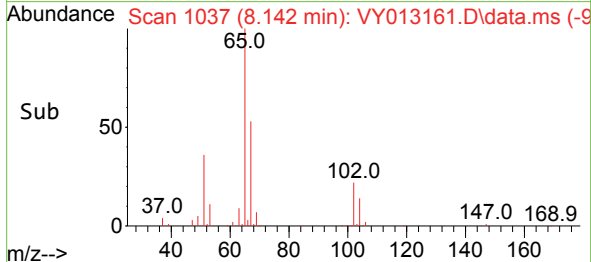
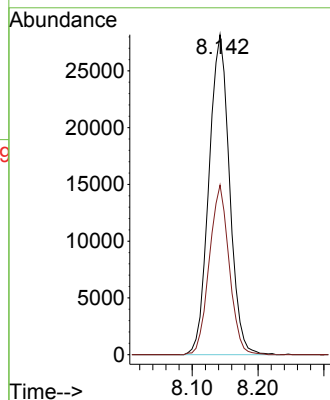
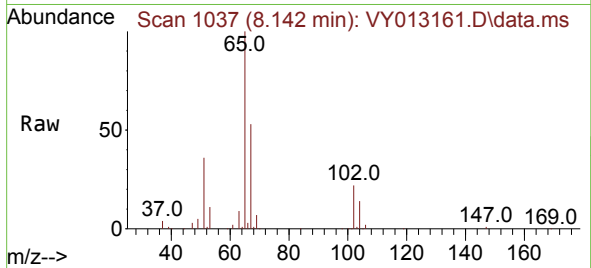




#33
 1,2-Dichloroethane-d4
 Concen: 58.955 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY013161.D
 Acq: 31 Mar 2023 15:43

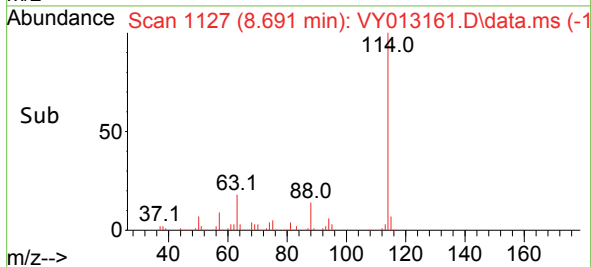
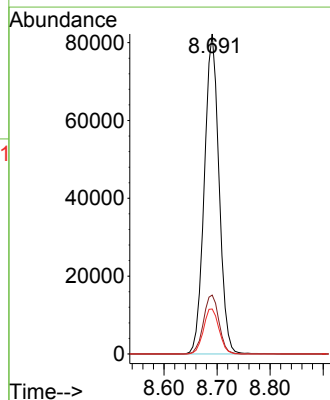
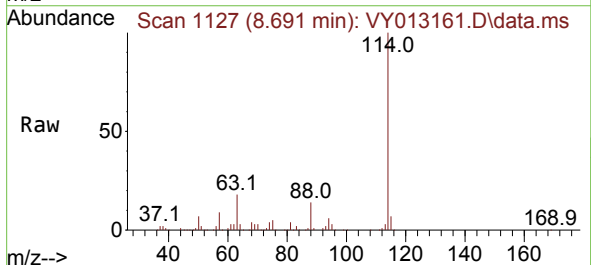
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5

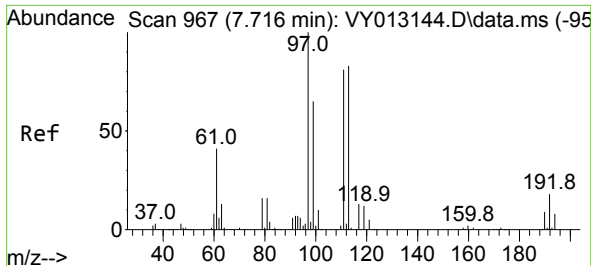
Tgt Ion: 65 Resp: 61414
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013161.D
 Acq: 31 Mar 2023 15:43

Tgt Ion: 114 Resp: 157874
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.4
 88 14.1 0.0 28.6

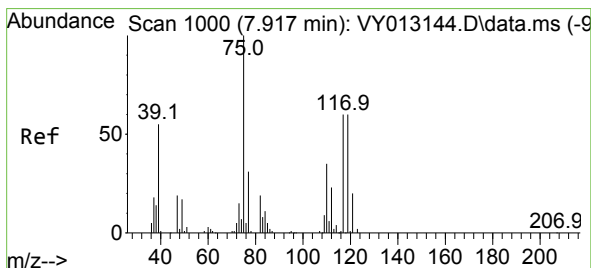
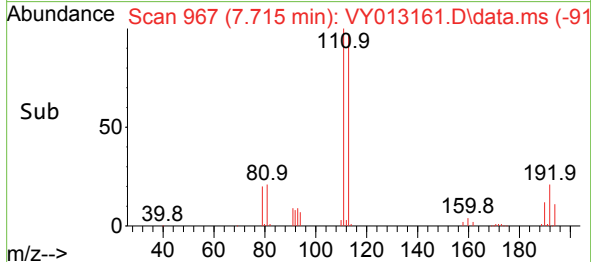
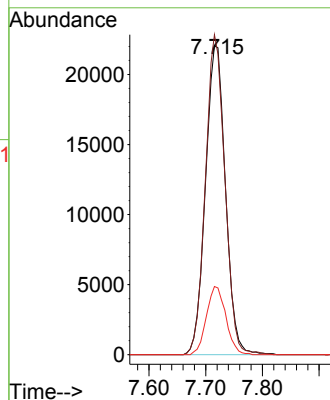
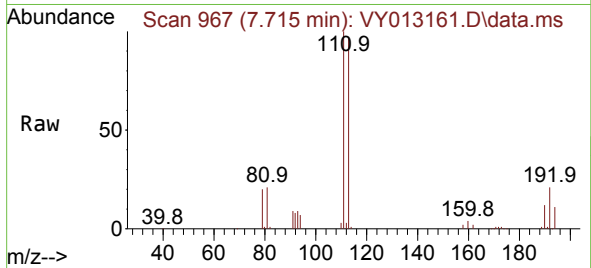




#35
Dibromofluoromethane
Concen: 52.482 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

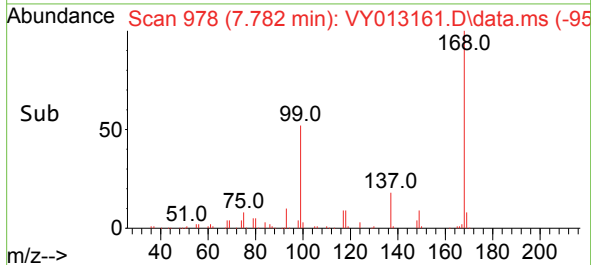
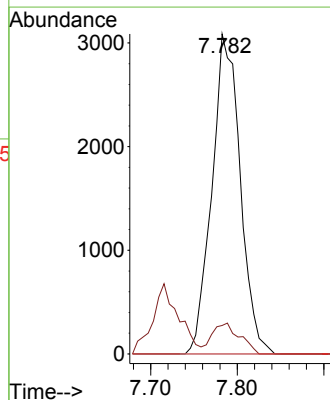
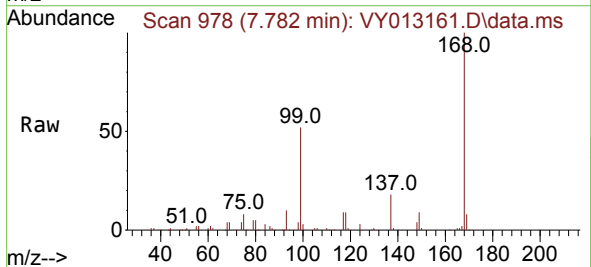
Instrument :
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WC-5

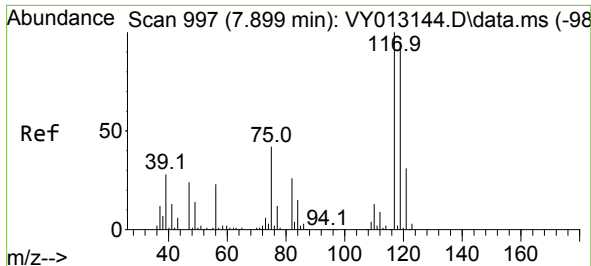
Tgt Ion:113 Resp: 54127
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.2
192 21.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 75 Resp: 6992
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 25.0 37.4#

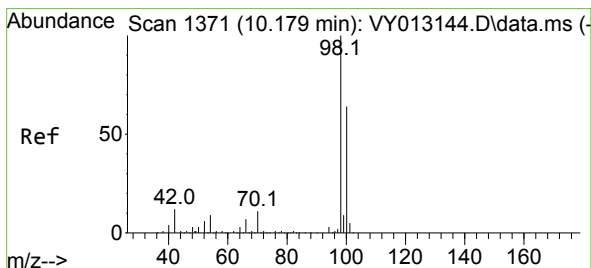
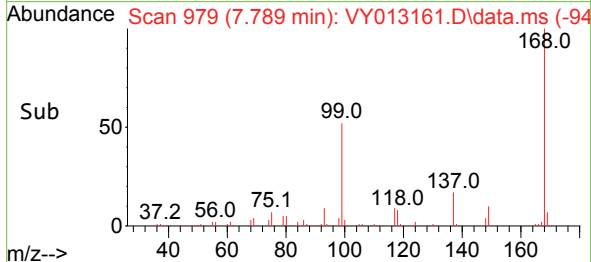
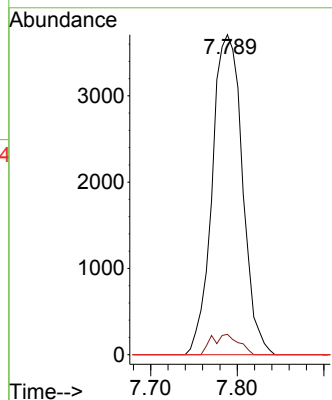
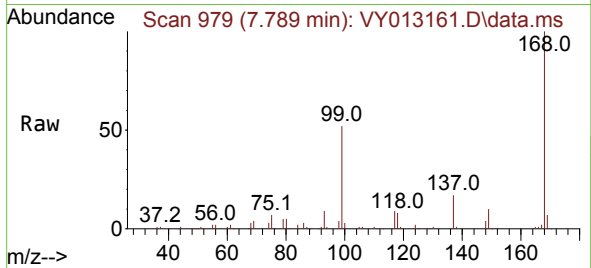




#38
Carbon Tetrachloride
Concen: 5.245 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

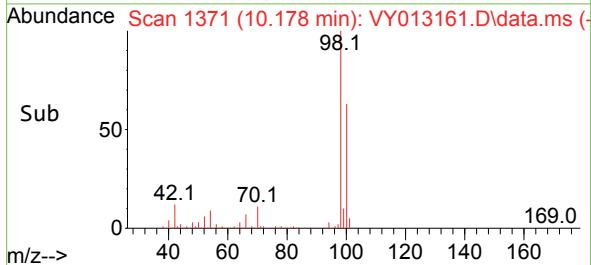
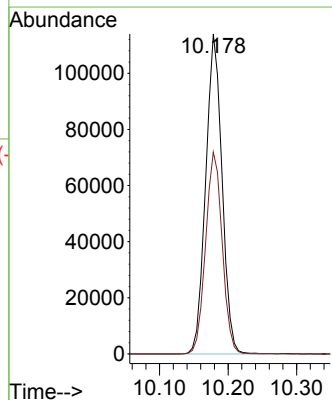
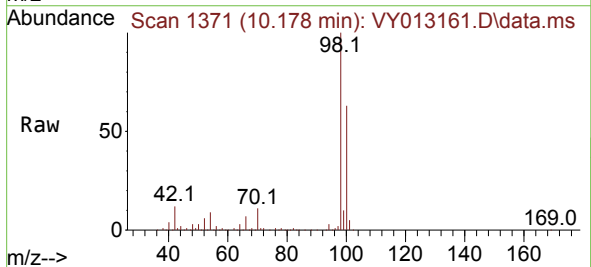
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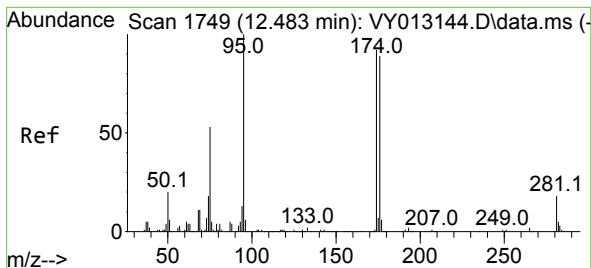
Tgt Ion:117 Resp: 8985
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.603 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 98 Resp: 189232
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3

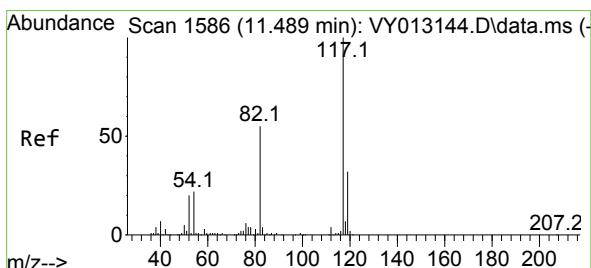
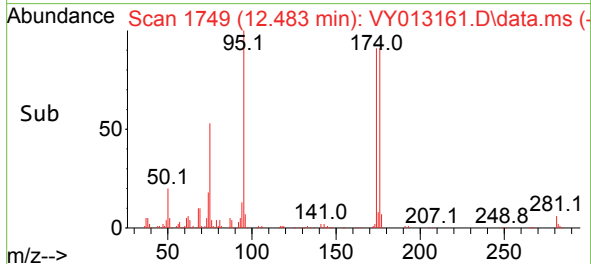
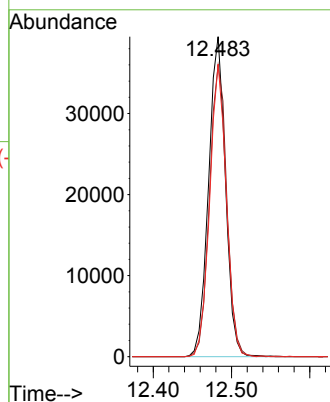
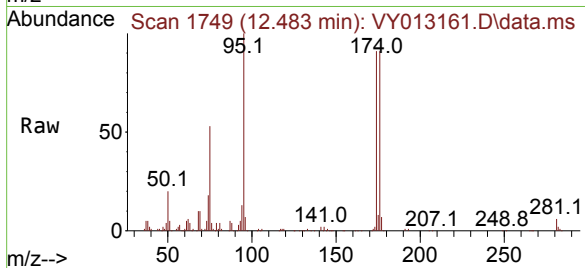




#62
4-Bromofluorobenzene
Concen: 46.656 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

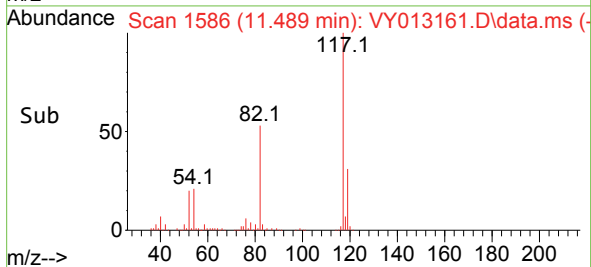
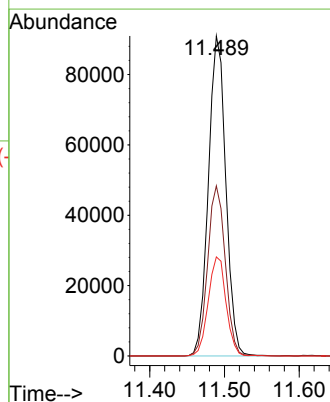
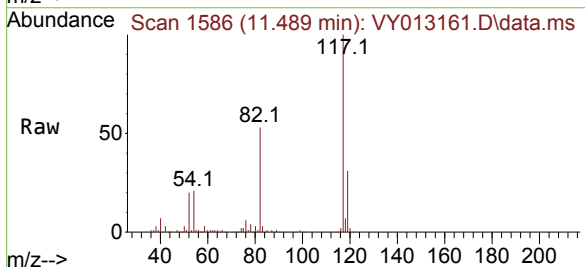
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WC-5

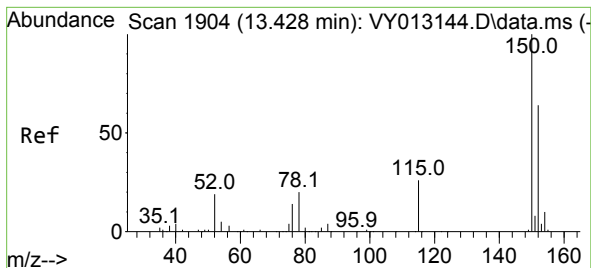
Tgt Ion: 95 Resp: 59129
Ion Ratio Lower Upper
95 100
174 93.5 0.0 176.6
176 89.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion: 117 Resp: 147492
Ion Ratio Lower Upper
117 100
82 53.2 45.4 68.0
119 31.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013161.D

Acq: 31 Mar 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-5

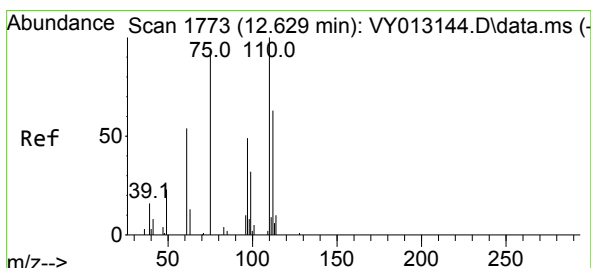
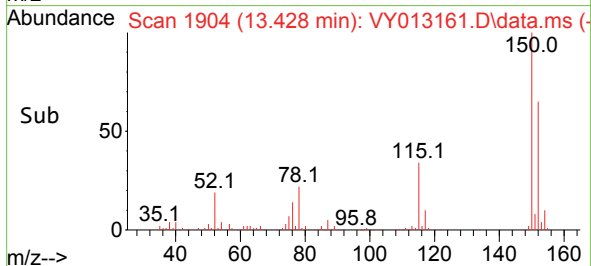
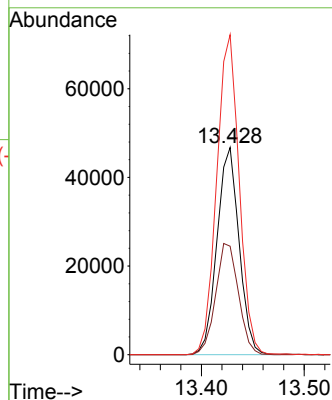
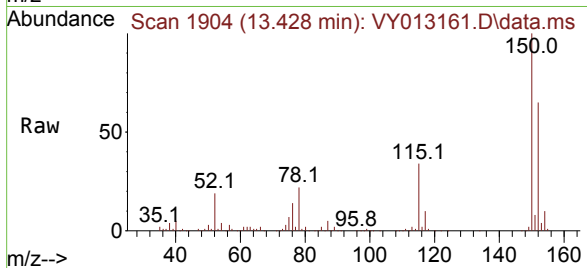
Tgt Ion:152 Resp: 69745

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 157.1 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.614 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY013161.D

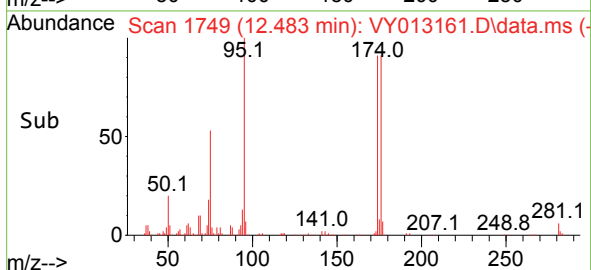
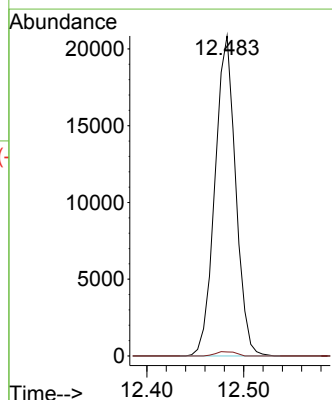
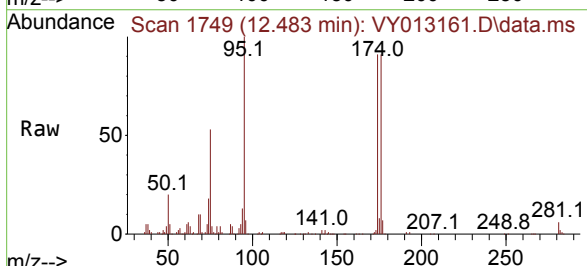
Acq: 31 Mar 2023 15:43

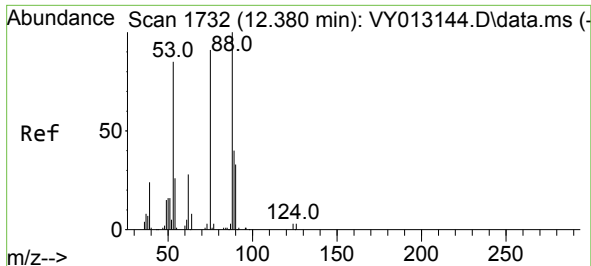
Tgt Ion: 75 Resp: 31038

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

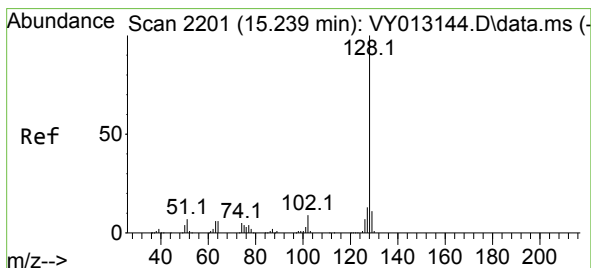
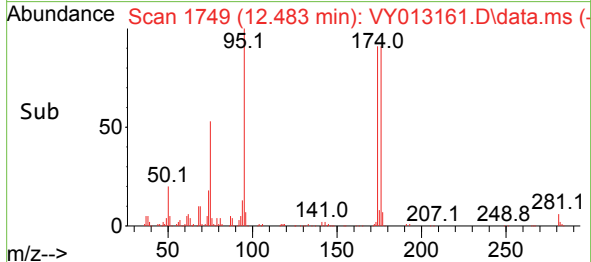
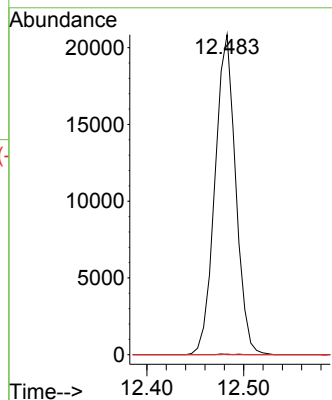
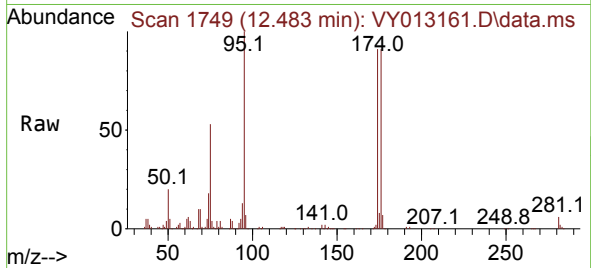




#81
trans-1,4-Dichloro-2-butene
Concen: 88.345 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Instrument :
MSVOA_Y
ClientSampleId :
WC-5

Tgt Ion: 75 Resp: 31038
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.316 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY013161.D
Acq: 31 Mar 2023 15:43

Tgt Ion:128 Resp: 231
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

