

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014039.D
 Acq On : 06 Jun 2023 18:33
 Operator : KP/MD
 Sample : 03044-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-0-2.0

Quant Time: Jun 07 01:41:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

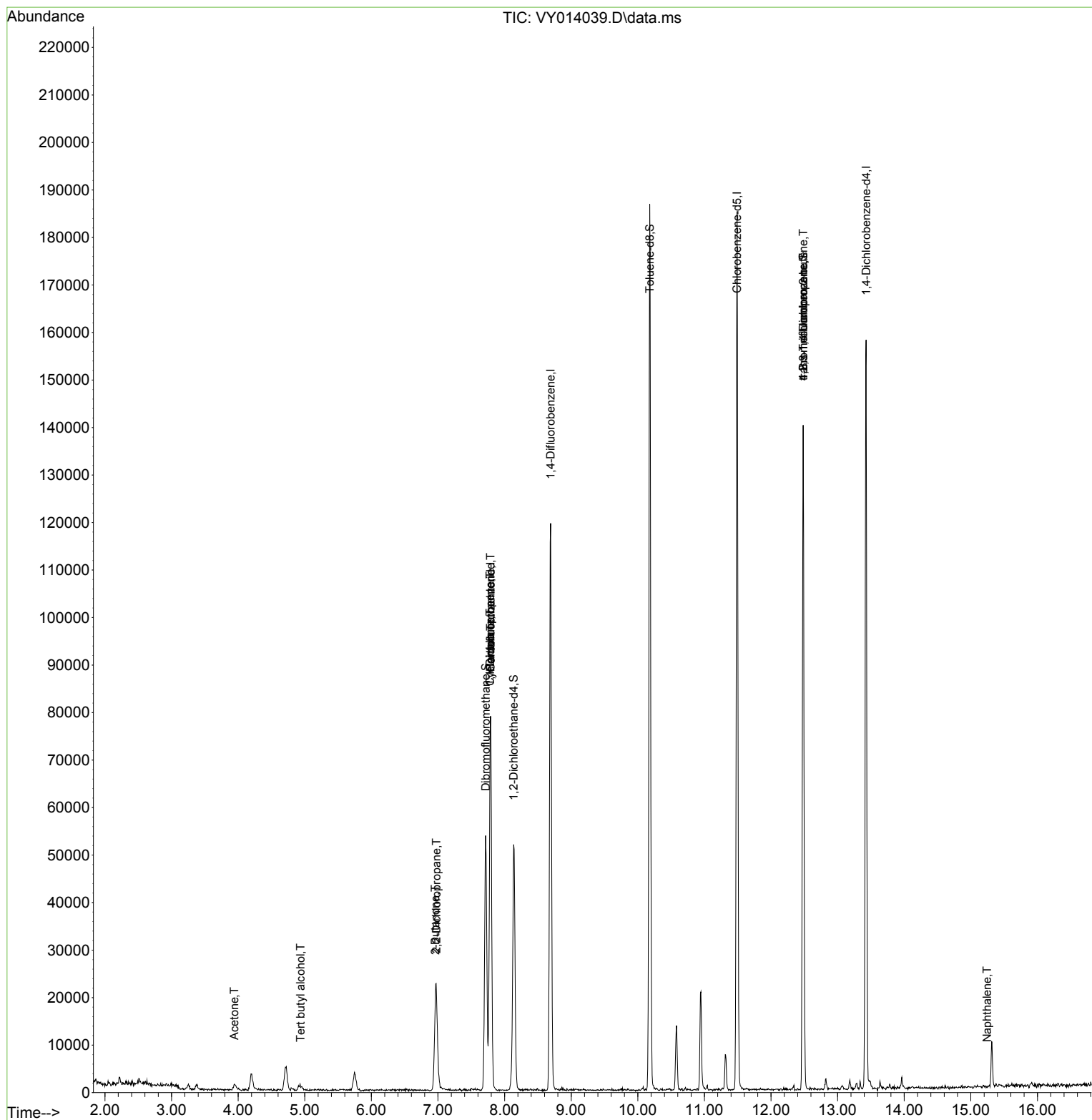
Internal Standards						
1) Pentafluorobenzene	7.789	168	62947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	99465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	99386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	41962	50.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.720%	
35) Dibromofluoromethane	7.716	113	35783	56.609	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.220%	
50) Toluene-d8	10.179	98	122675	50.878	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.483	95	37220	45.280	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1145	6.686	ug/l	98
16) Acetone	3.942	43	2197	7.706	ug/l #	83
25) 2-Butanone	6.960	43	631	1.777	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	1754	1.521	ug/l #	54
31) Cyclohexane	7.783	56	1569	1.564	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	4817	5.349	ug/l #	48
38) Carbon Tetrachloride	7.789	117	6031	5.976	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	19598	35.185	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19598	74.646	ug/l #	11
95) Naphthalene	15.245	128	20	3.890	ug/l #	69

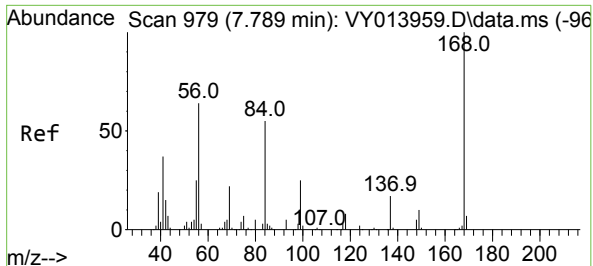
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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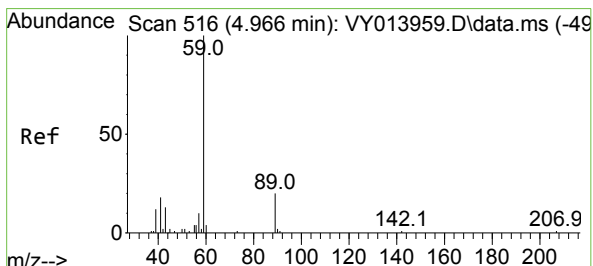
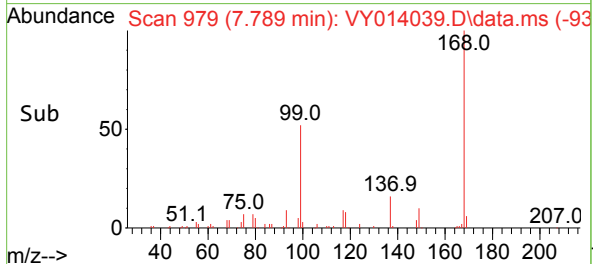
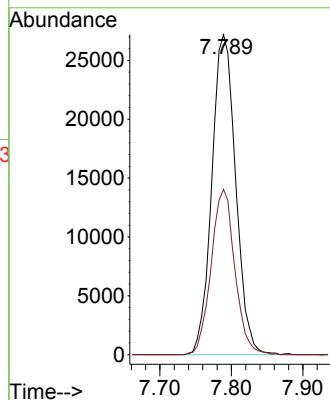
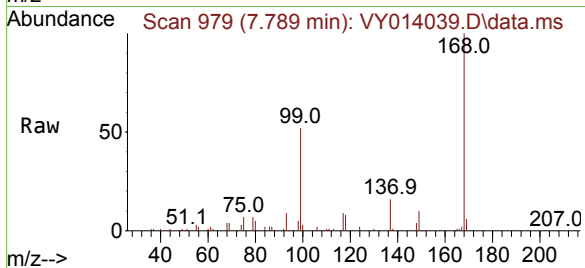




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

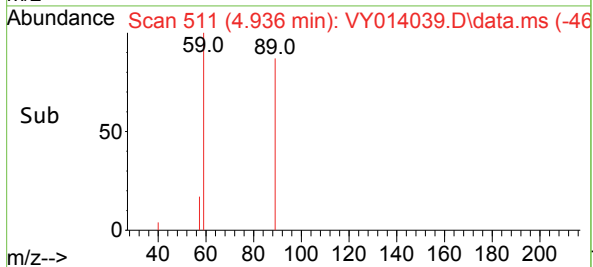
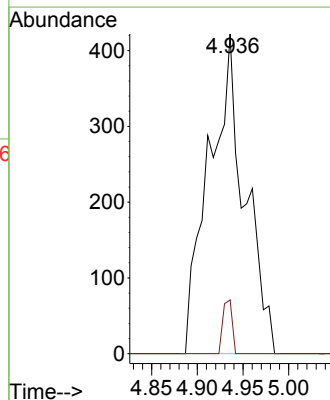
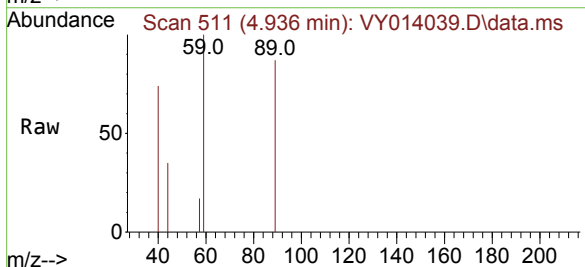
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-0-2.0

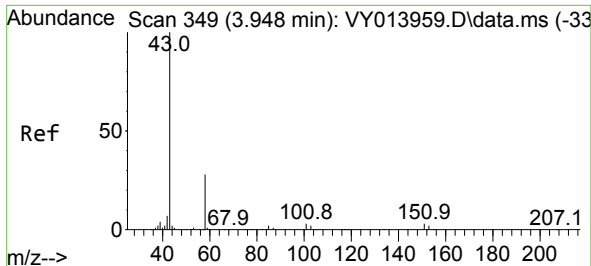
Tgt Ion:168 Resp: 62947
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 6.686 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 59 Resp: 1145
Ion Ratio Lower Upper
59 100
57 4.4 3.0 4.4

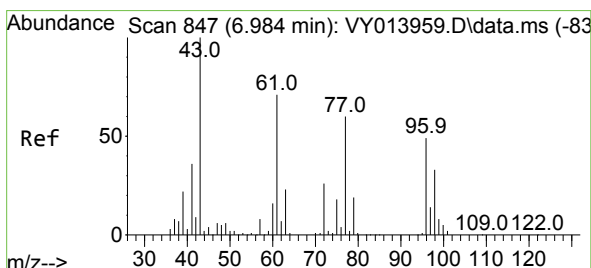
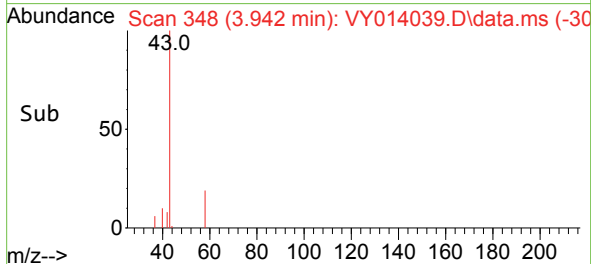
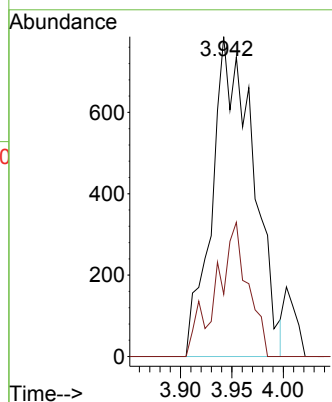
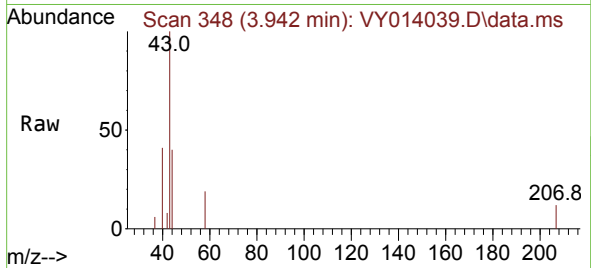




#16
Acetone
Concen: 7.706 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

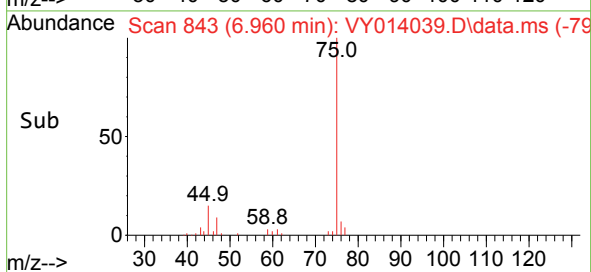
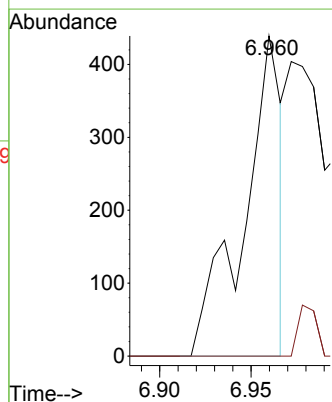
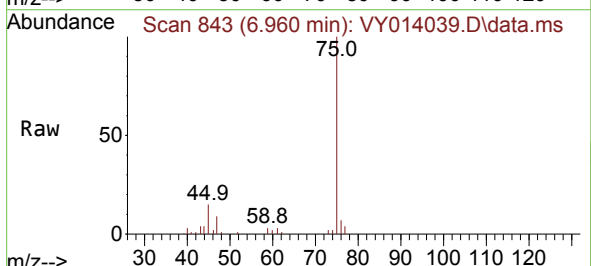
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-0-2.0

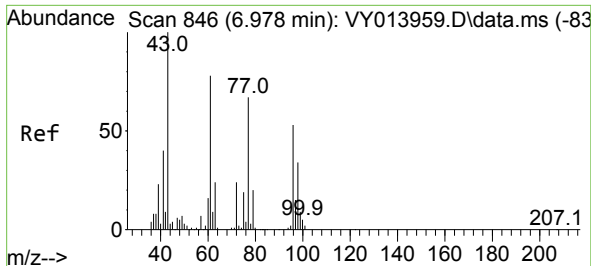
Tgt Ion: 43 Resp: 2197
Ion Ratio Lower Upper
43 100
58 19.5 22.7 34.1#



#25
2-Butanone
Concen: 1.777 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.025 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

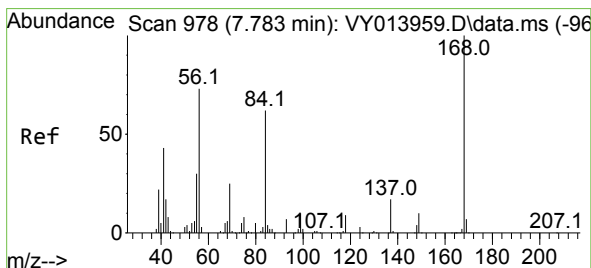
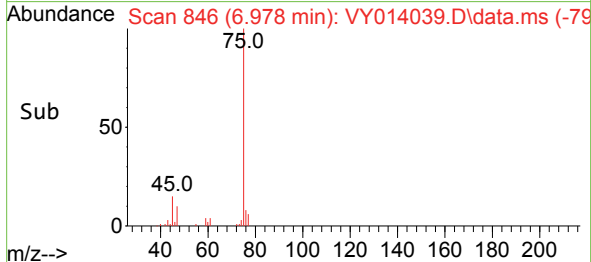
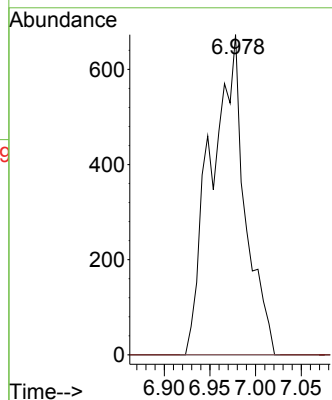
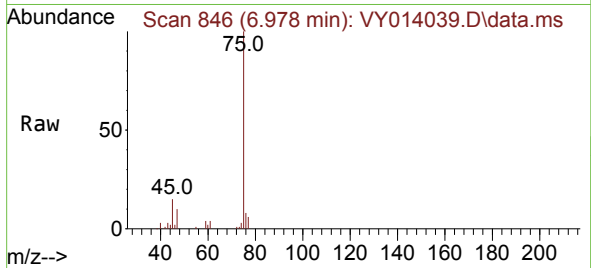




#26
2,2-Dichloropropane
Concen: 1.521 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

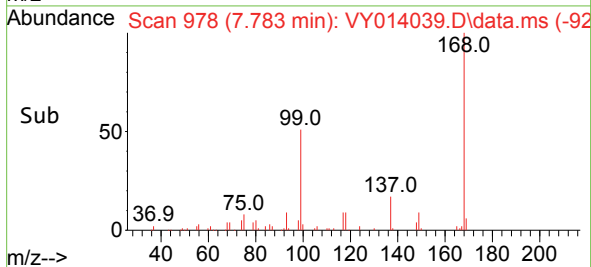
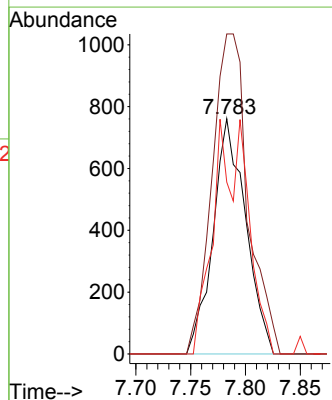
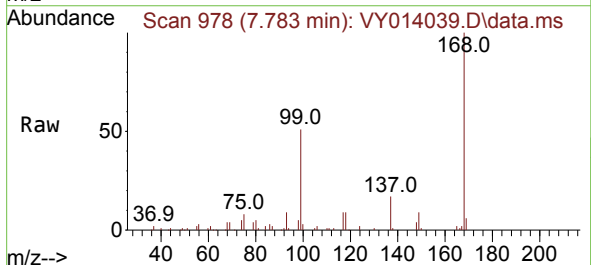
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-0-2.0

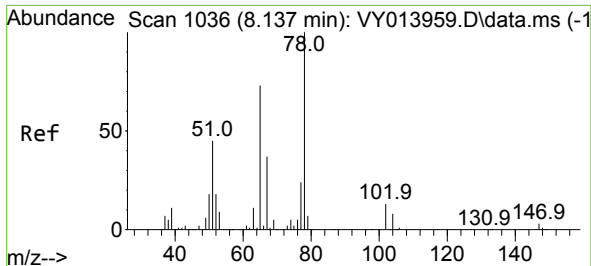
Tgt Ion: 77 Resp: 1754
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.564 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 56 Resp: 1569
Ion Ratio Lower Upper
56 100
69 136.0 27.8 41.6#
84 73.1 66.4 99.6

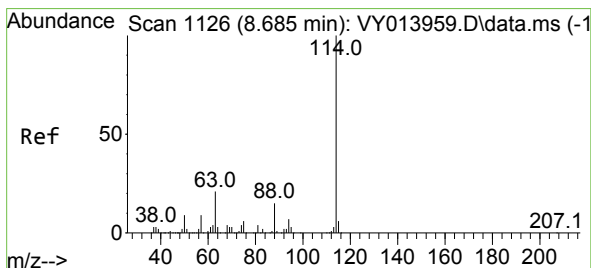
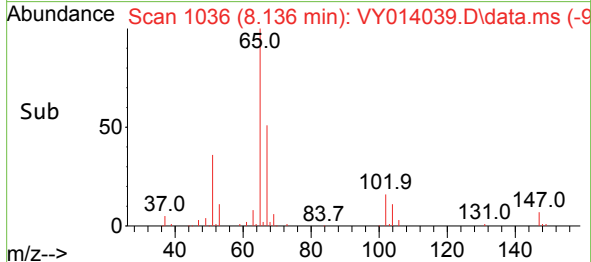
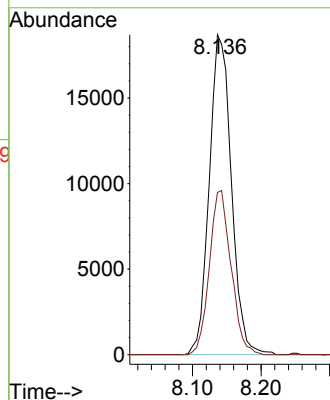
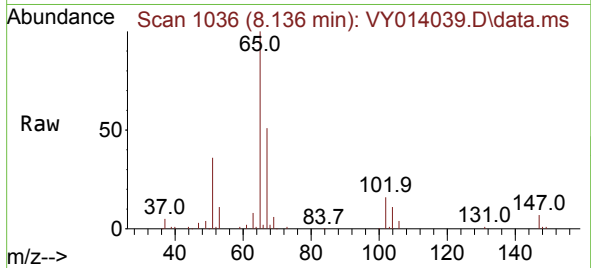




#33
 1,2-Dichloroethane-d4
 Concen: 50.358 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY014039.D
 Acq: 06 Jun 2023 18:33

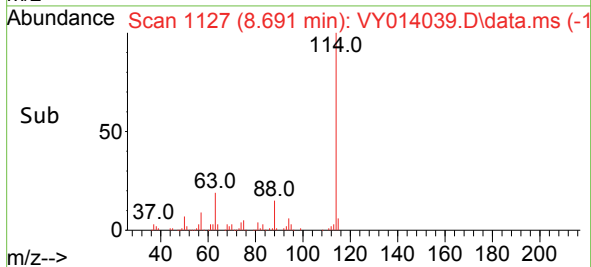
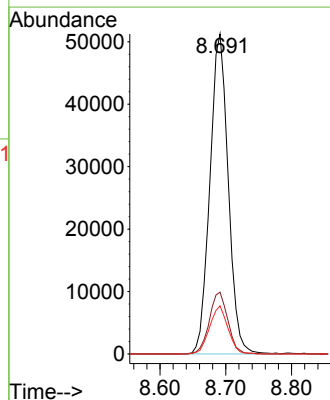
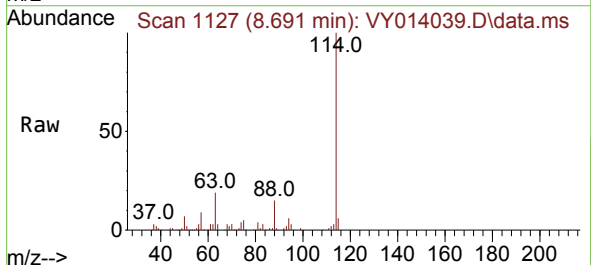
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-0-2.0

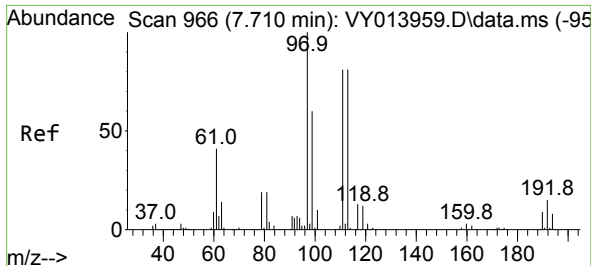
Tgt Ion: 65 Resp: 41962
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014039.D
 Acq: 06 Jun 2023 18:33

Tgt Ion: 114 Resp: 99465
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.609 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014039.D

Acq: 06 Jun 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-0-2.0

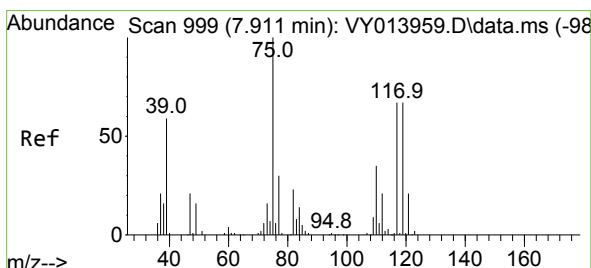
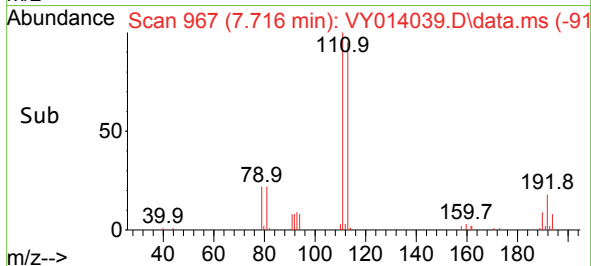
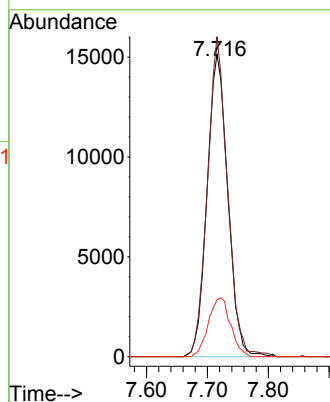
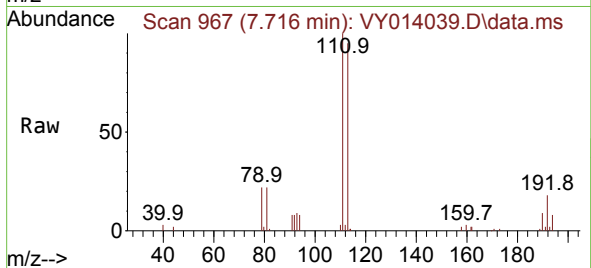
Tgt Ion:113 Resp: 35783

Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 20.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.349 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY014039.D

Acq: 06 Jun 2023 18:33

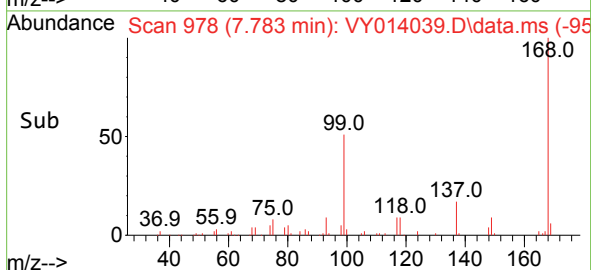
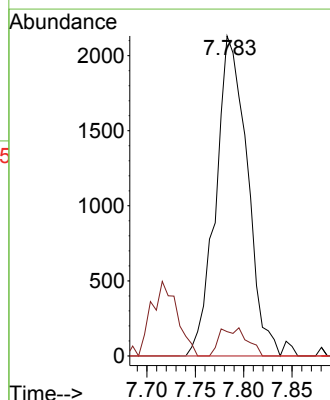
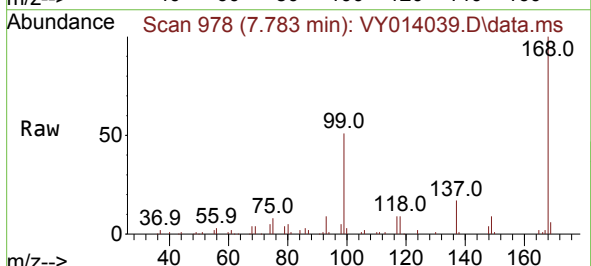
Tgt Ion: 75 Resp: 4817

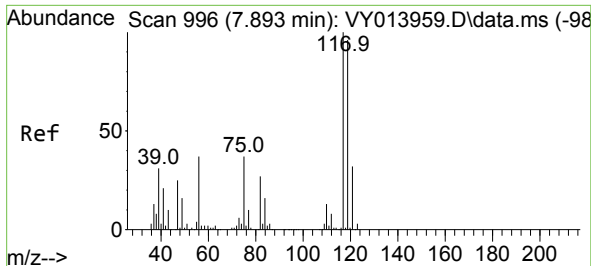
Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

77 0.0 24.4 36.6#

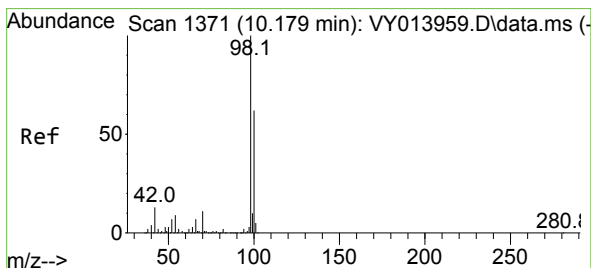
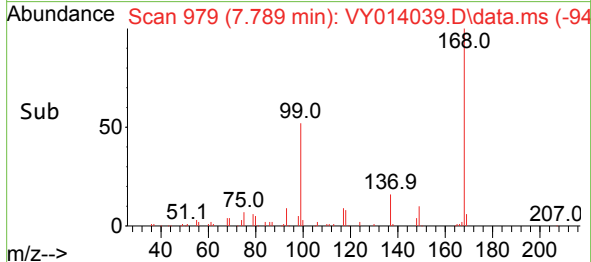
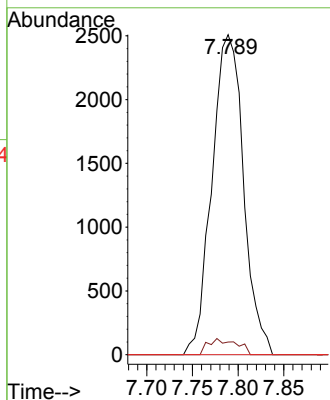
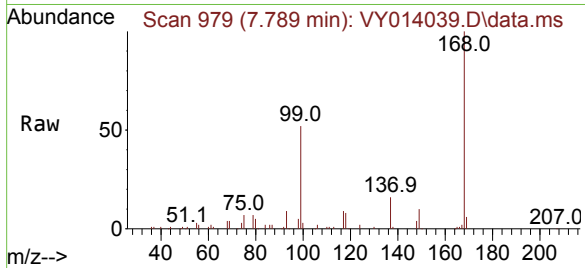




#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

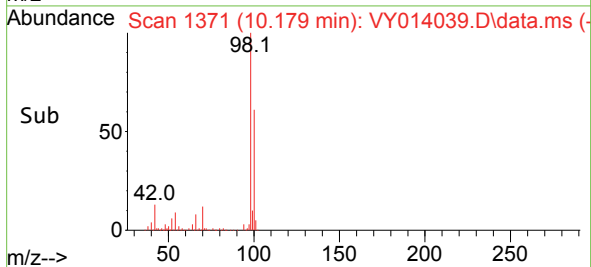
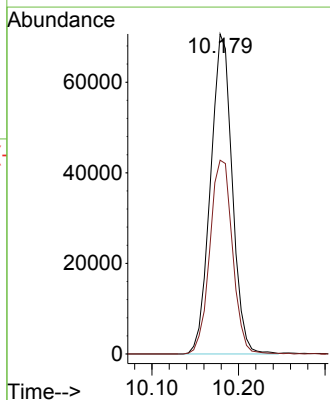
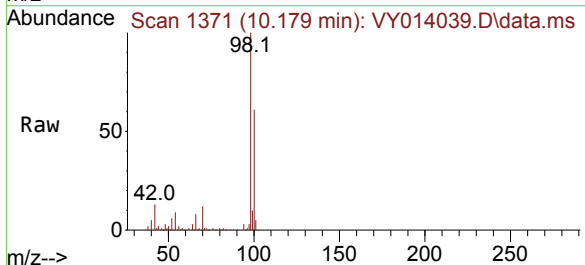
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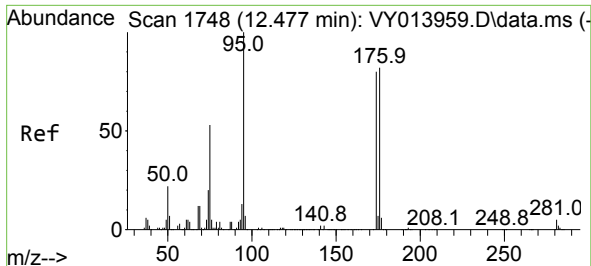
Tgt Ion:117 Resp: 6031
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.878 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 98 Resp: 122675
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1

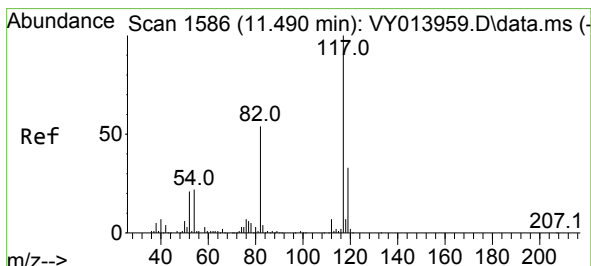
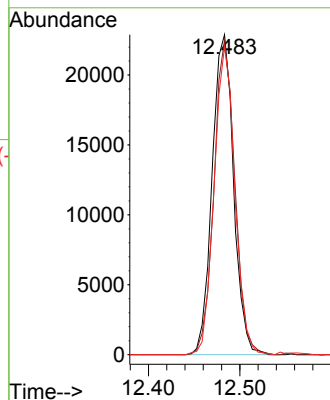
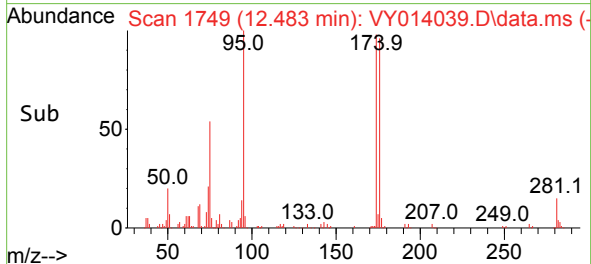
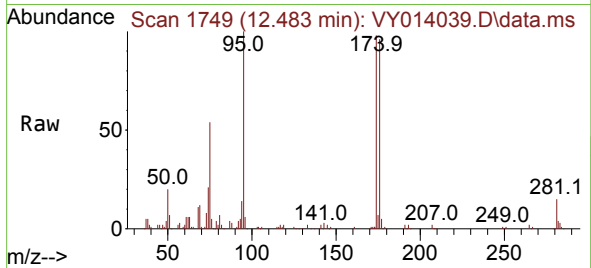




#62
4-Bromofluorobenzene
Concen: 45.280 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

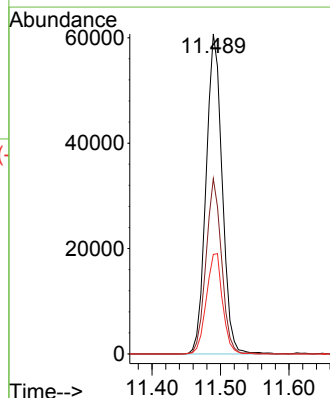
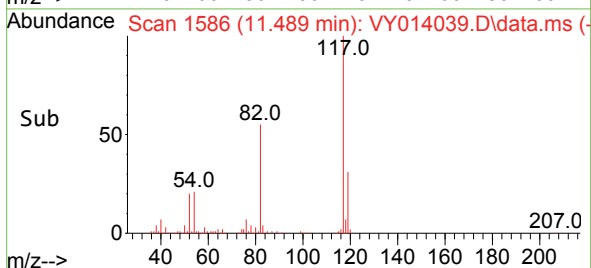
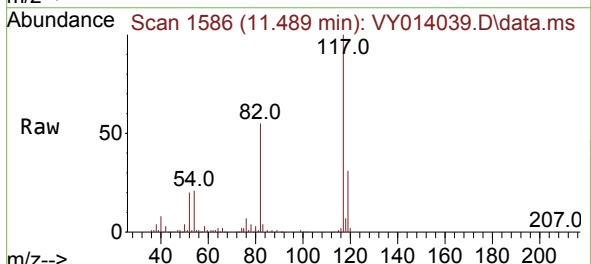
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-0-2.0

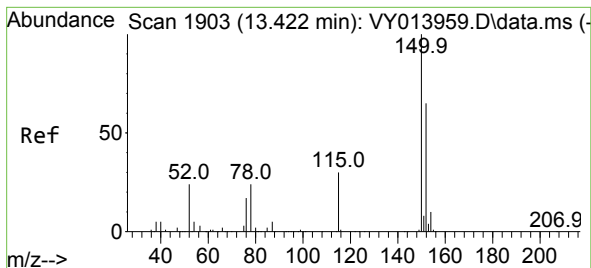
Tgt Ion: 95 Resp: 37220
Ion Ratio Lower Upper
95 100
174 95.5 0.0 178.2
176 93.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 117 Resp: 99386
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 31.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY014039.D

Acq: 06 Jun 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-0-2.0

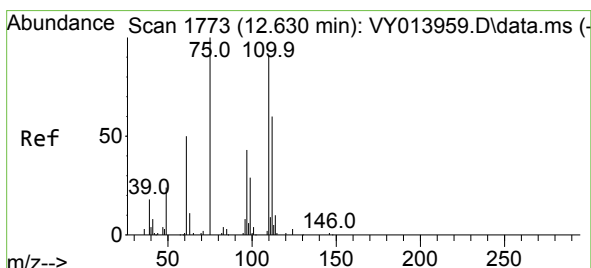
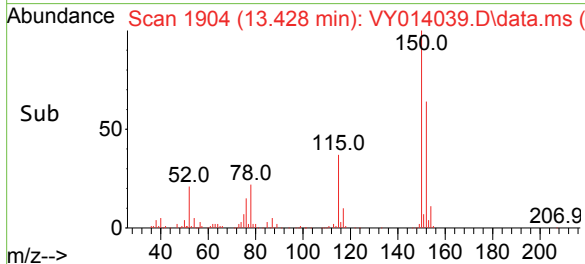
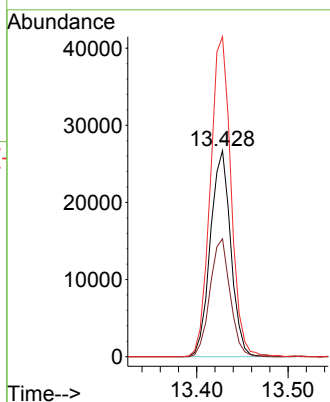
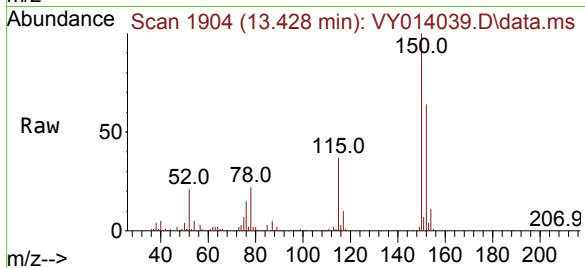
Tgt Ion:152 Resp: 41391

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 157.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.185 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY014039.D

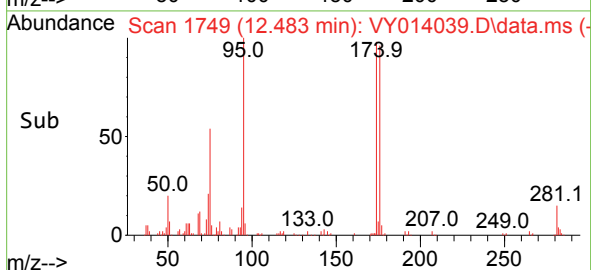
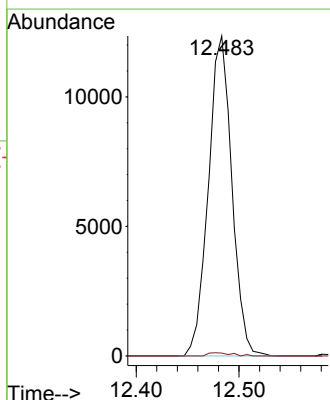
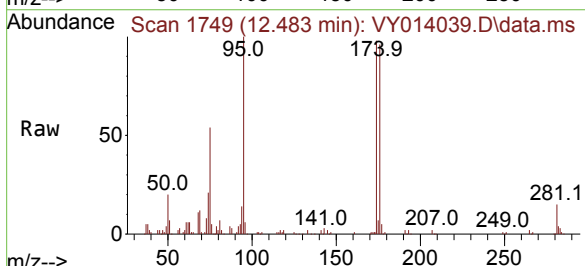
Acq: 06 Jun 2023 18:33

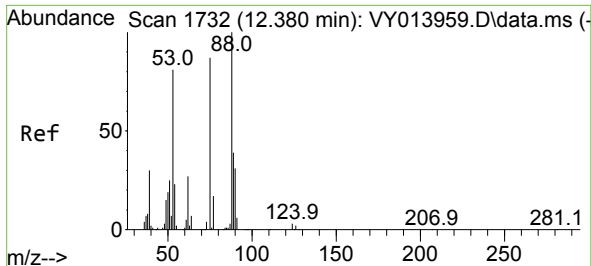
Tgt Ion: 75 Resp: 19598

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

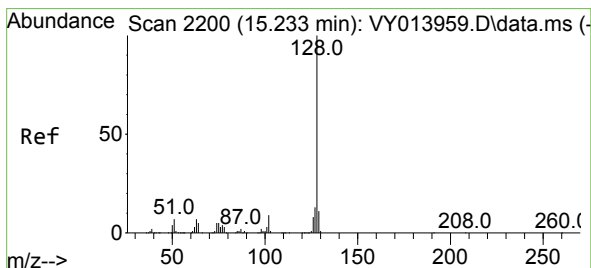
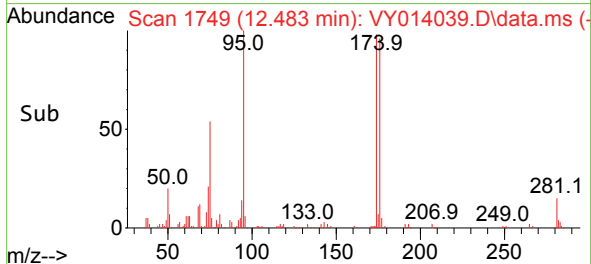
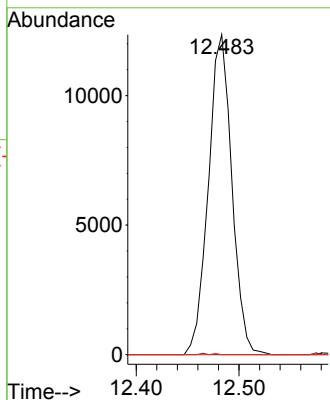
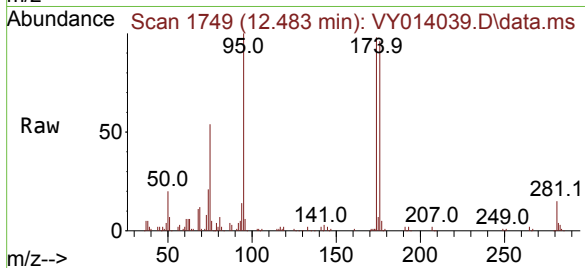




#81
trans-1,4-Dichloro-2-butene
Concen: 74.646 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-0-2.0

Tgt Ion: 75 Resp: 19598
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 3.890 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY014039.D
Acq: 06 Jun 2023 18:33

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

