

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012970.D
 Acq On : 16 Mar 2023 14:53
 Operator : KP/MD
 Sample : 01932-09
 Misc : 6.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CE-43-031423

Quant Time: Mar 17 01:36:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

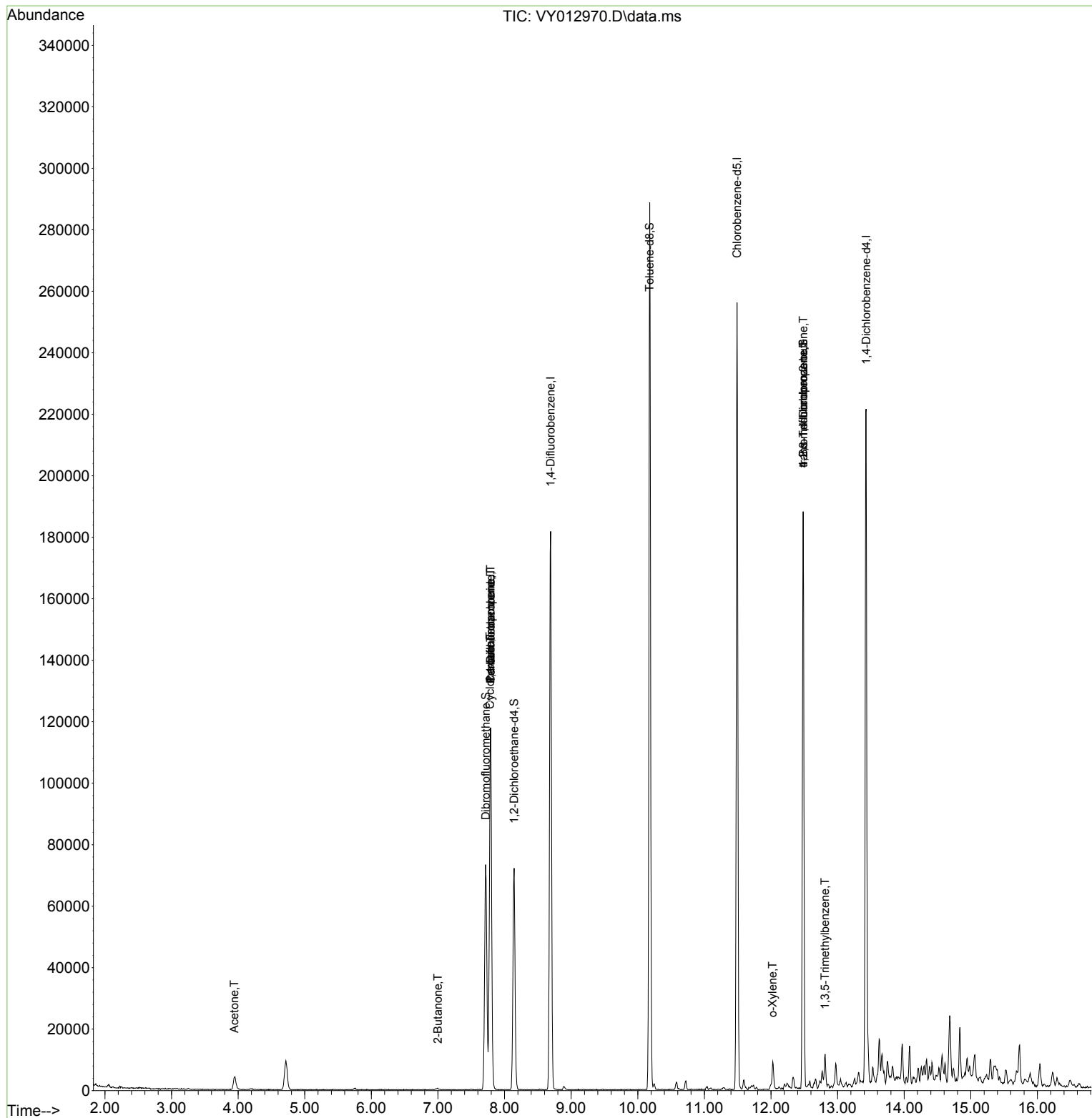
Internal Standards						
1) Pentafluorobenzene	7.789	168	91903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	133219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	55506	60.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.660%	
35) Dibromofluoromethane	7.716	113	51295	54.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.179	98	183442	53.502	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.000%	
62) 4-Bromofluorobenzene	12.483	95	53513	46.241	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.480%	
Target Compounds						
11) Tert butyl alcohol	4.936	59	162	Below Cal	#	74
16) Acetone	3.942	43	7924	22.125	ug/l	96
25) 2-Butanone	6.997	43	742	1.673	ug/l #	49
31) Cyclohexane	7.783	56	1995	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7384	4.698	ug/l #	49
38) Carbon Tetrachloride	7.789	117	8845	5.450	ug/l #	16
69) o-Xylene	12.026	106	2254	1.277	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	29155	42.548	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	3460	1.031	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	29155	88.160	ug/l #	13

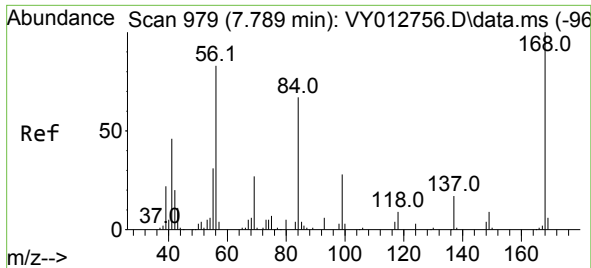
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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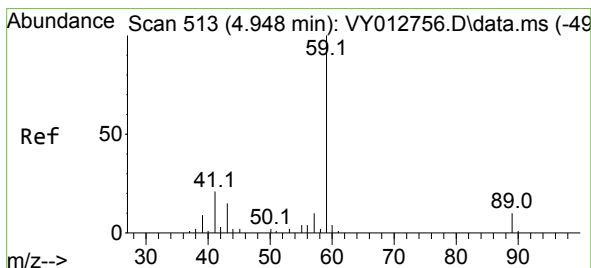
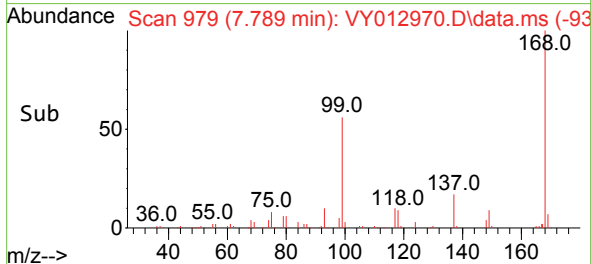
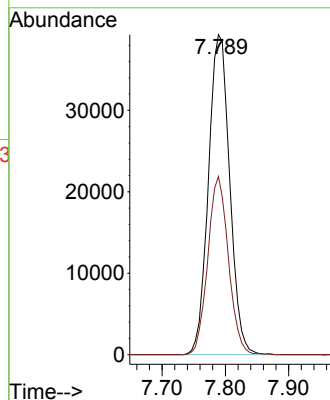
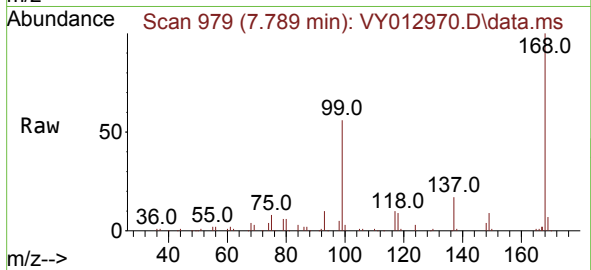




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 919
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

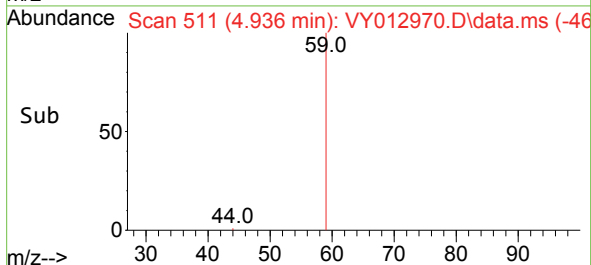
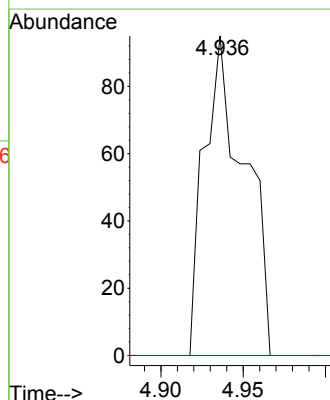
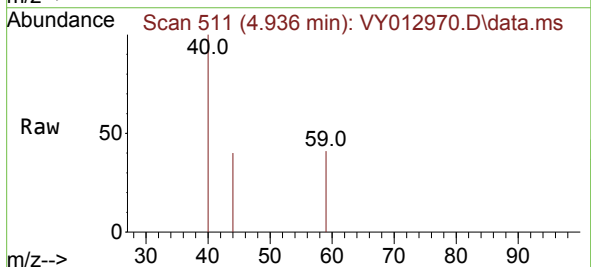
Instrument :
MSVOA_Y
ClientSampleId :
CE-43-031423

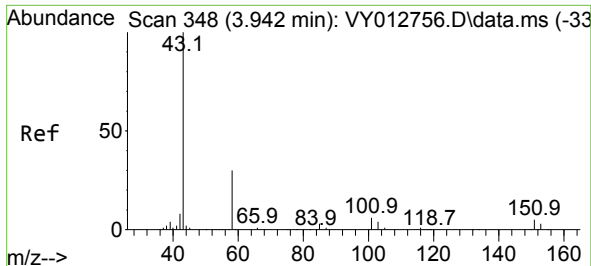
Tgt Ion:168 Resp: 91903
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

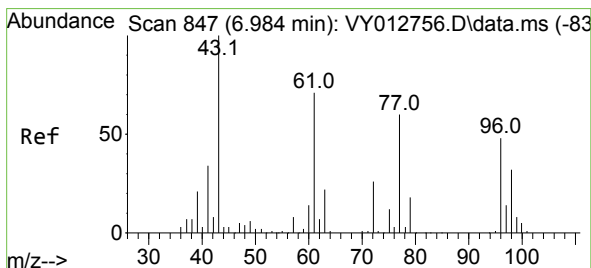
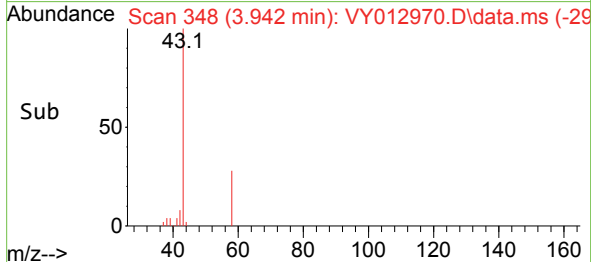
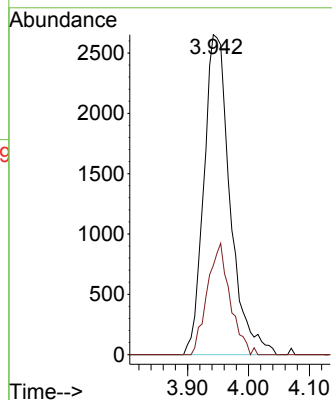
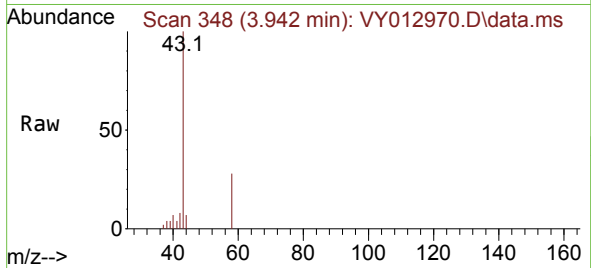




#16
Acetone
Concen: 22.125 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

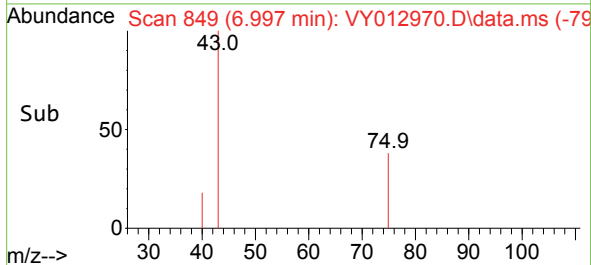
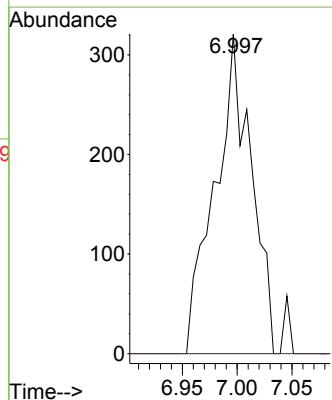
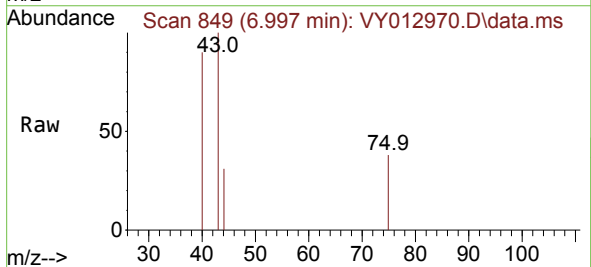
Instrument :
MSVOA_Y
ClientSampleId :
CE-43-031423

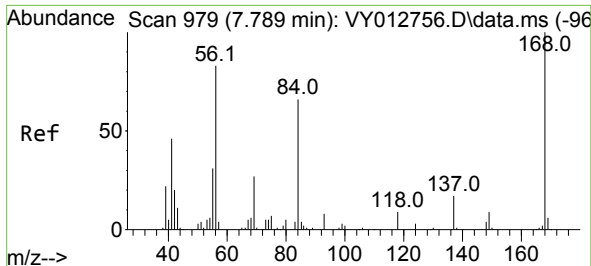
Tgt Ion: 43 Resp: 7924
Ion Ratio Lower Upper
43 100
58 27.9 24.2 36.2



#25
2-Butanone
Concen: 1.673 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

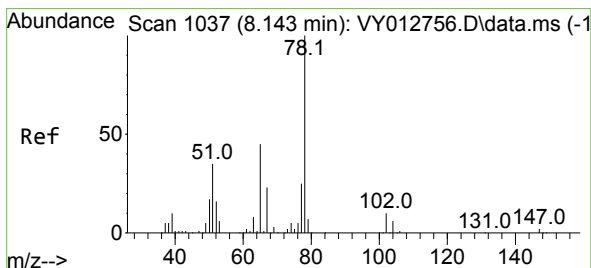
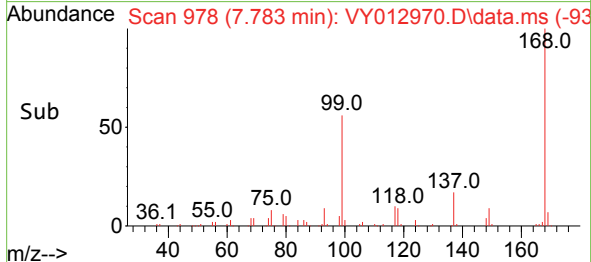
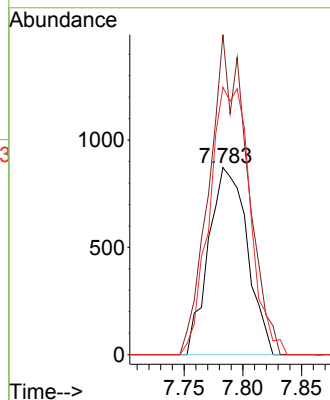
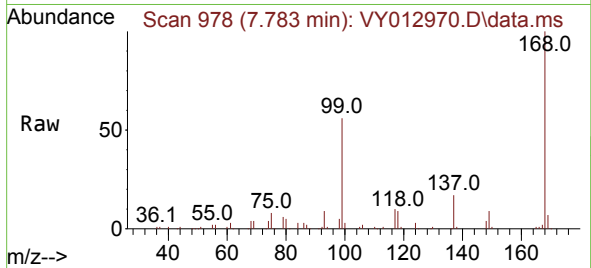




#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

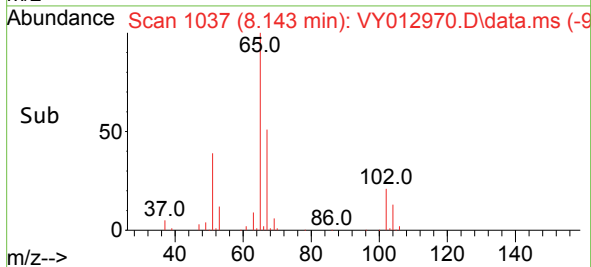
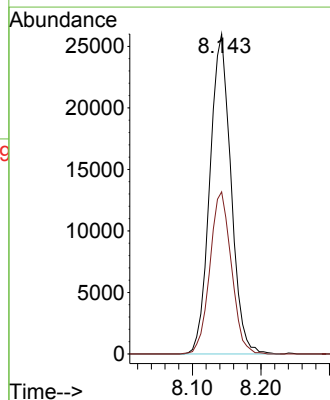
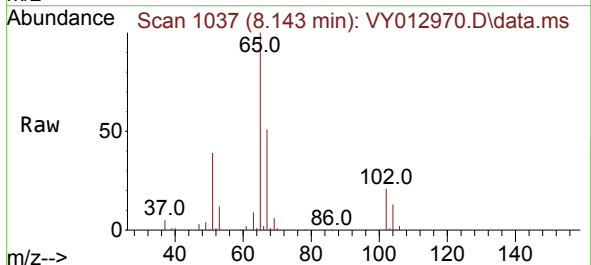
Instrument :
MSVOA_Y
ClientSampleId :
CE-43-031423

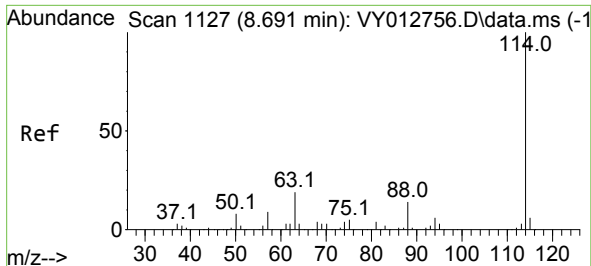
Tgt Ion: 56 Resp: 1995
Ion Ratio Lower Upper
56 100
69 171.0 25.7 38.5#
84 142.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 60.830 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 65 Resp: 55506
Ion Ratio Lower Upper
65 100
67 51.6 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: VY012970.D

Acq: 16 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

CE-43-031423

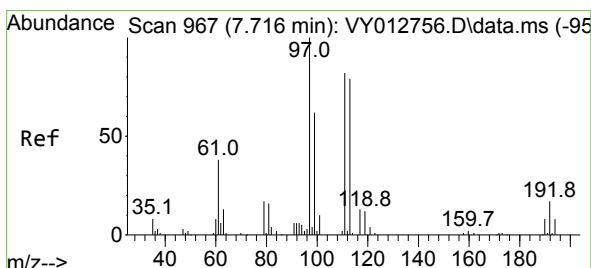
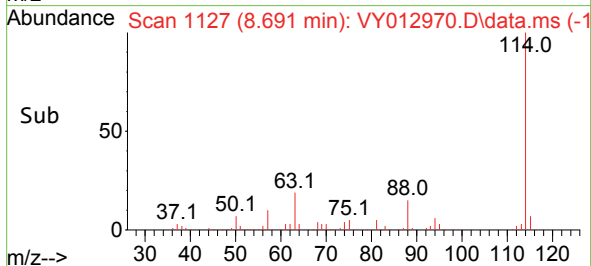
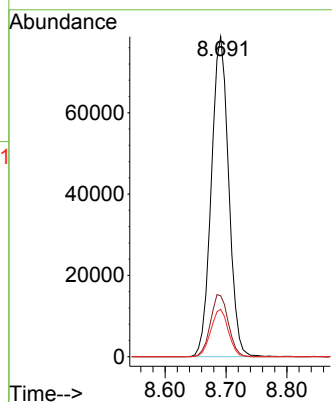
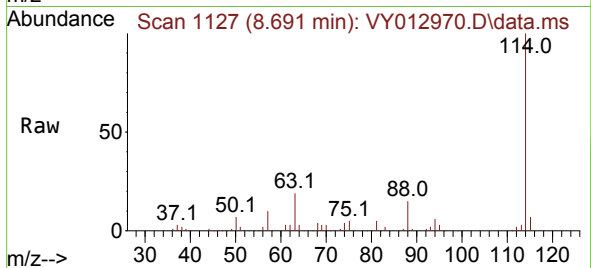
Tgt Ion:114 Resp: 155407

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.8 0.0 28.6



#35

Dibromofluoromethane

Concen: 54.693 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012970.D

Acq: 16 Mar 2023 14:53

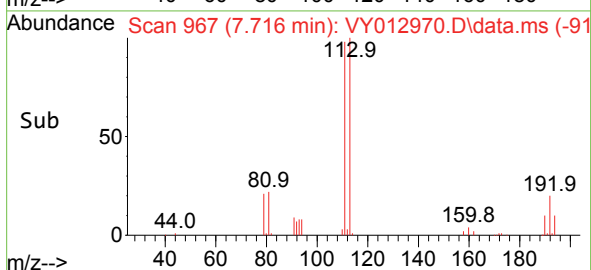
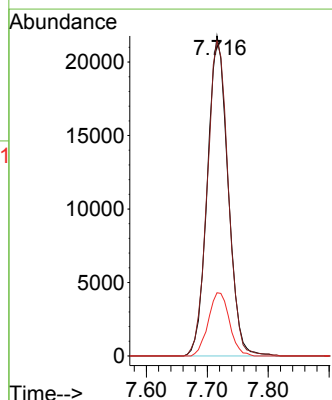
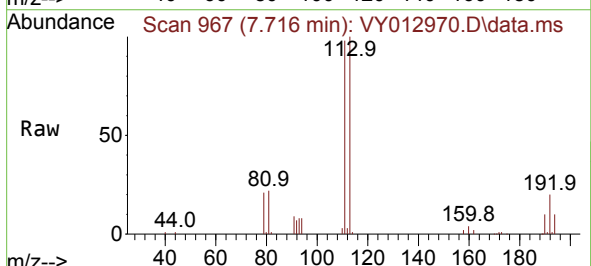
Tgt Ion:113 Resp: 51295

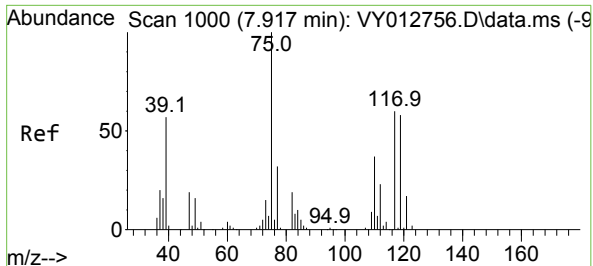
Ion Ratio Lower Upper

113 100

111 100.3 82.2 123.2

192 20.2 16.8 25.2

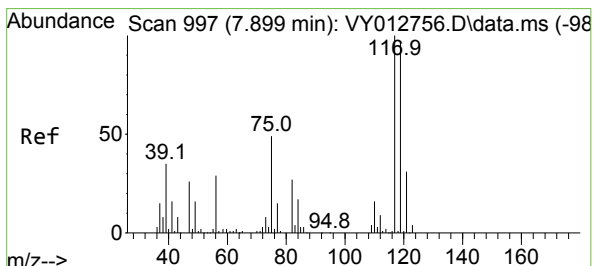
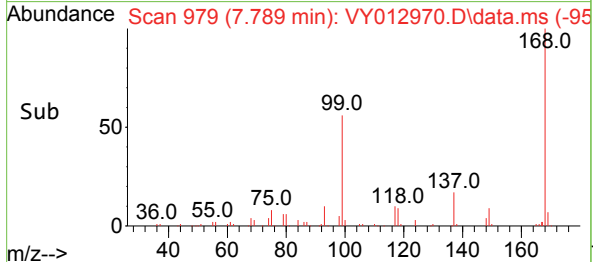
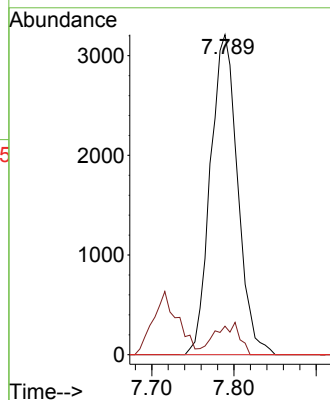
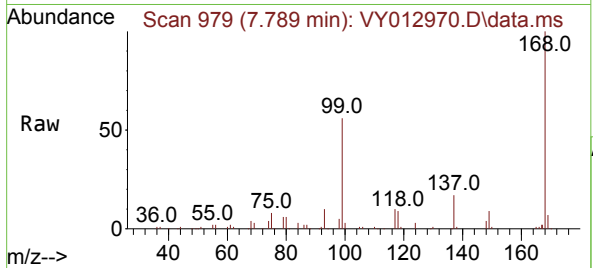




#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY012970.D
 Acq: 16 Mar 2023 14:53

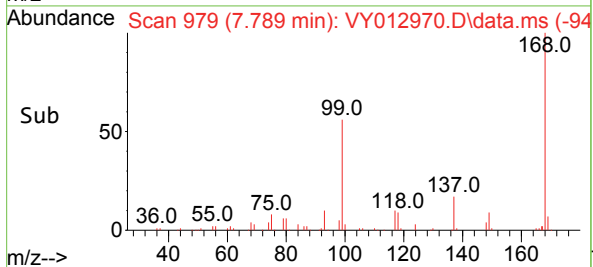
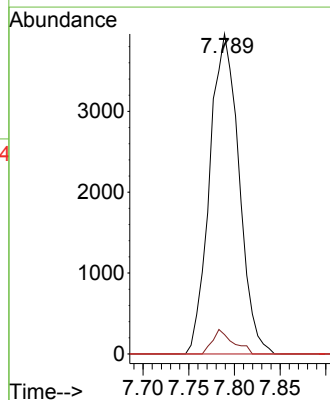
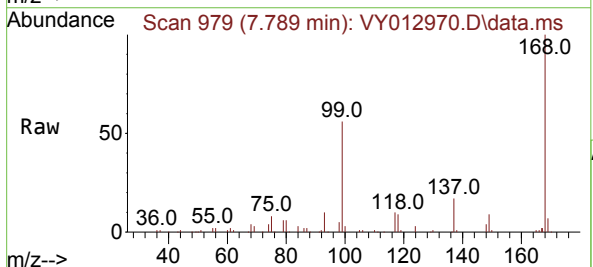
Instrument :
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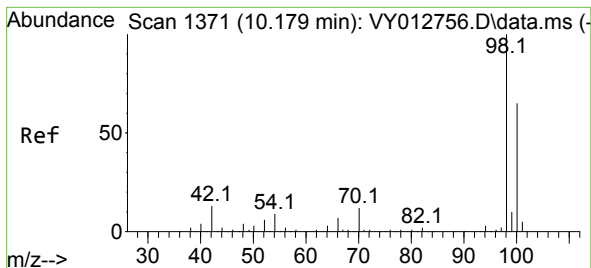
Tgt Ion: 75 Resp: 7384
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.450 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012970.D
 Acq: 16 Mar 2023 14:53

Tgt Ion: 117 Resp: 8845
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 24.7 37.1#

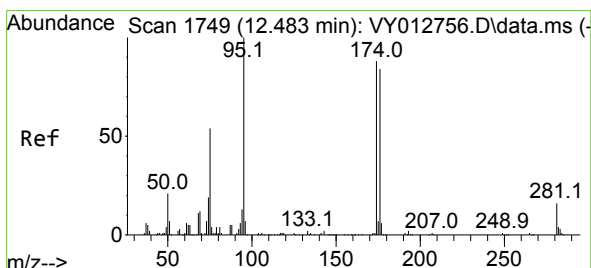
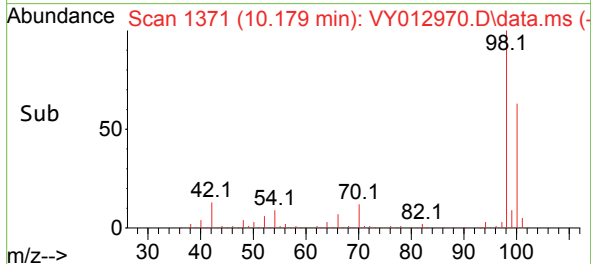
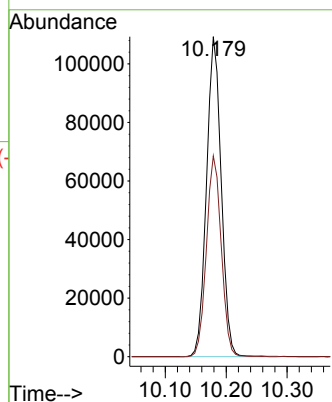
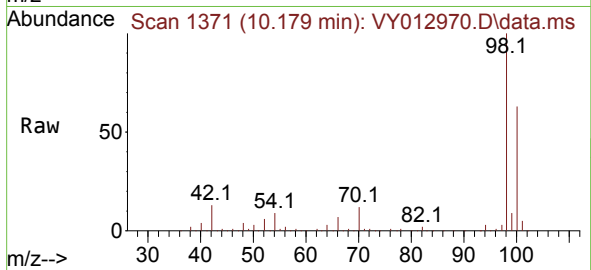




#50
Toluene-d8
Concen: 53.502 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

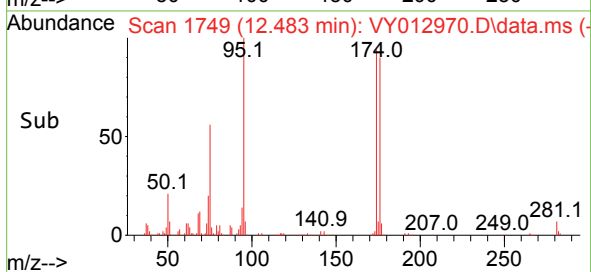
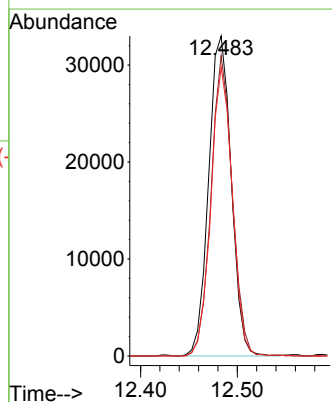
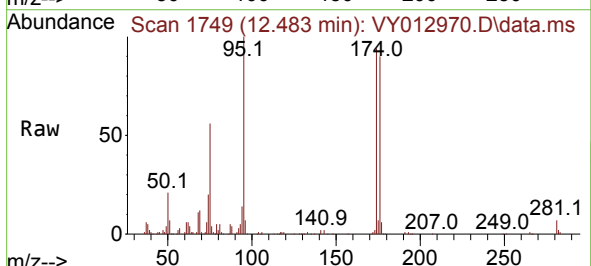
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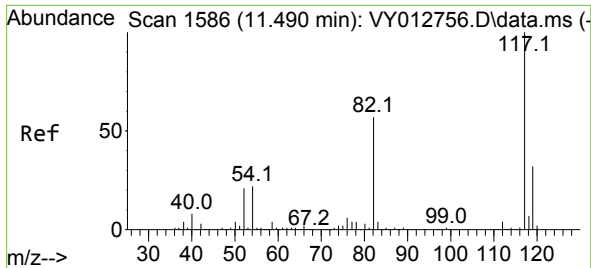
Tgt Ion: 98 Resp: 183442
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.241 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 95 Resp: 53513
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.6
176 85.7 0.0 170.2

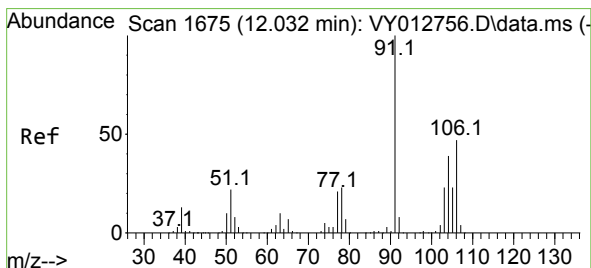
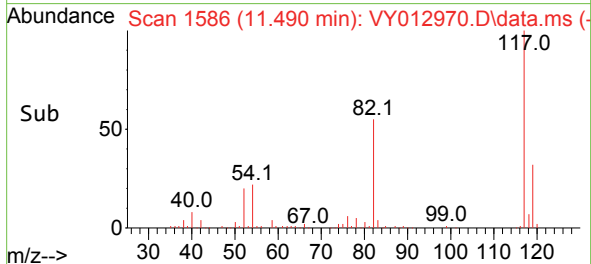
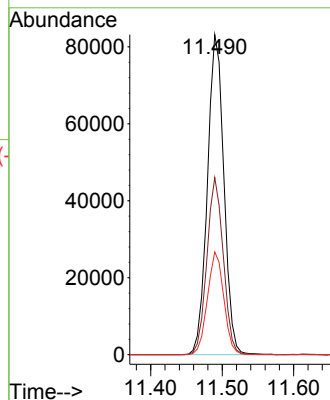
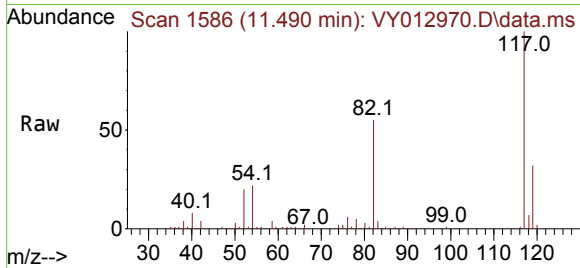




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

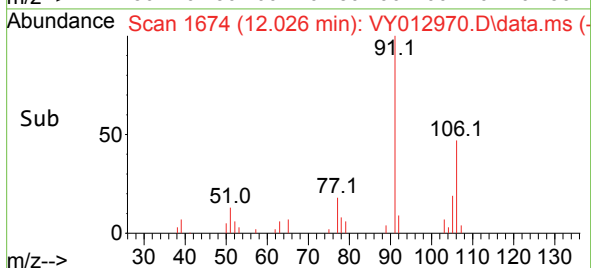
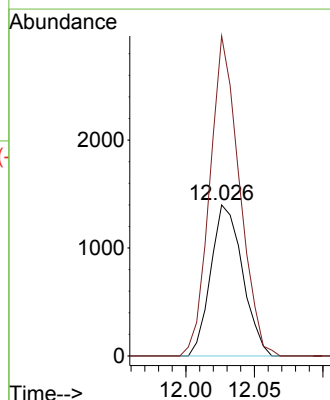
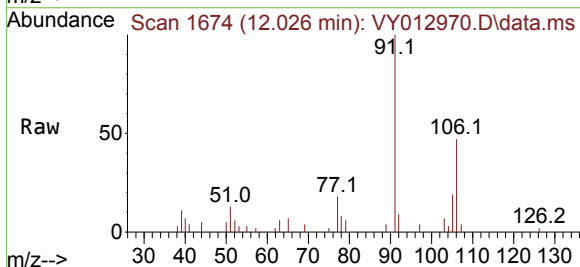
Instrument :
MSVOA_Y
ClientSampleId :
CE-43-031423

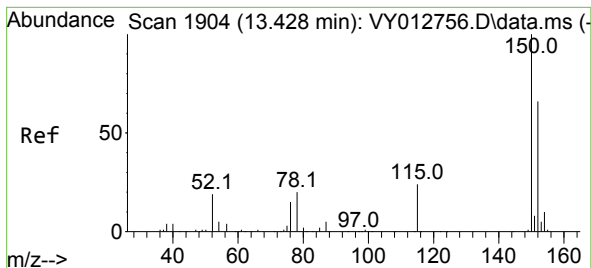
Tgt Ion:117 Resp: 133219
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.1 25.6 38.4



#69
o-Xylene
Concen: 1.277 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion:106 Resp: 2254
Ion Ratio Lower Upper
106 100
91 197.6 107.2 321.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012970.D

Acq: 16 Mar 2023 14:53

Instrument :

MSVOA_Y

ClientSampleId :

CE-43-031423

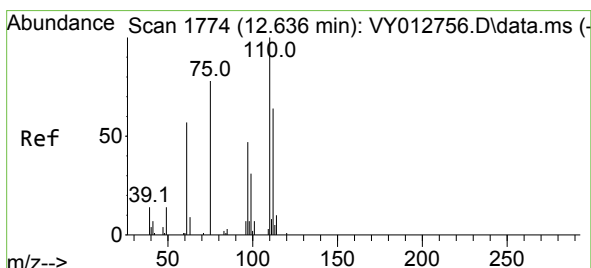
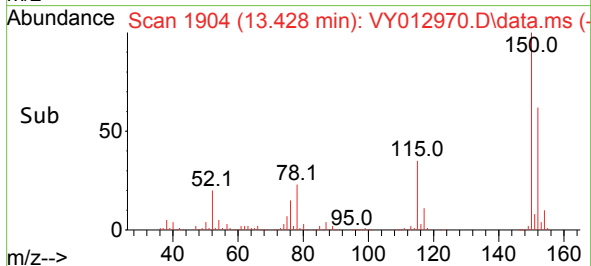
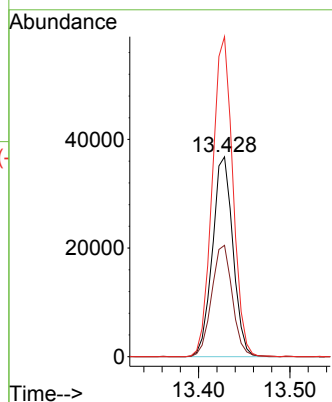
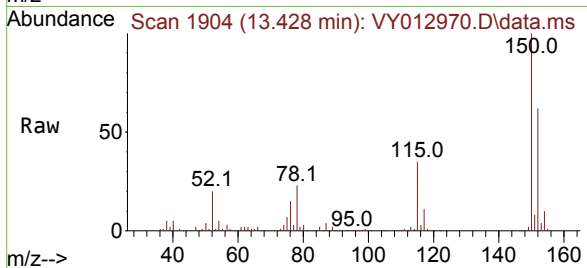
Tgt Ion:152 Resp: 57382

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

150 159.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 42.548 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY012970.D

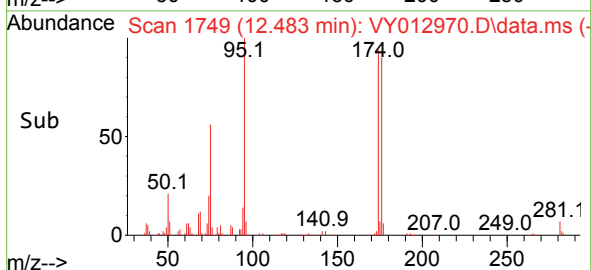
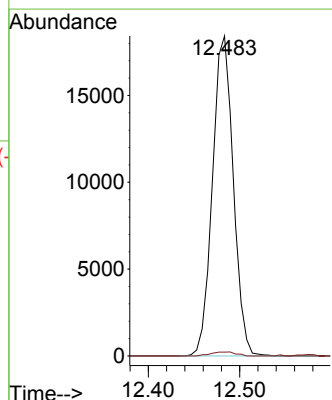
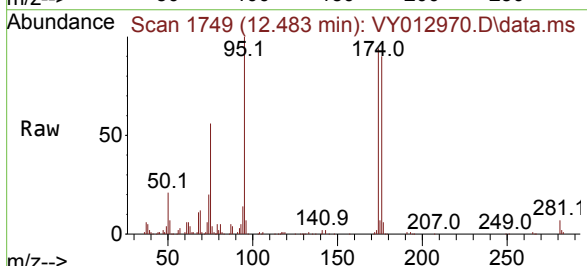
Acq: 16 Mar 2023 14:53

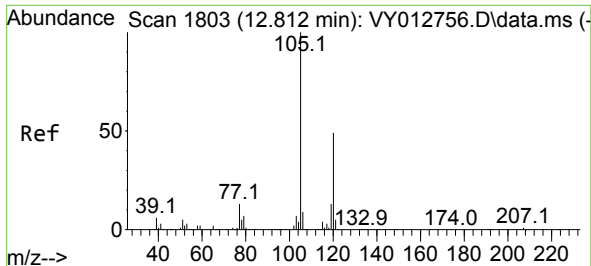
Tgt Ion: 75 Resp: 29155

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

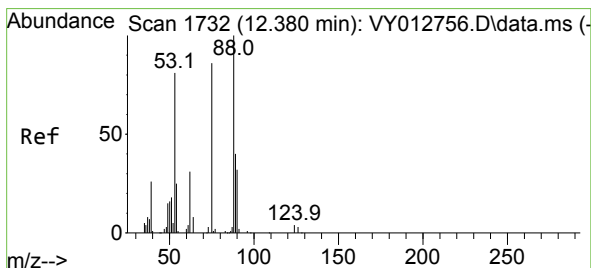
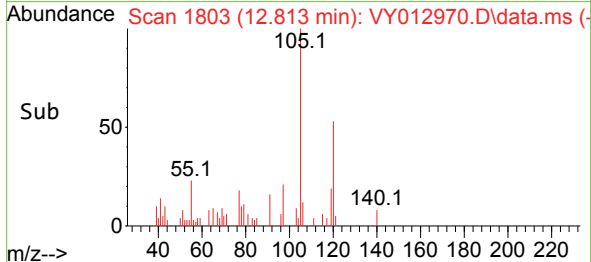
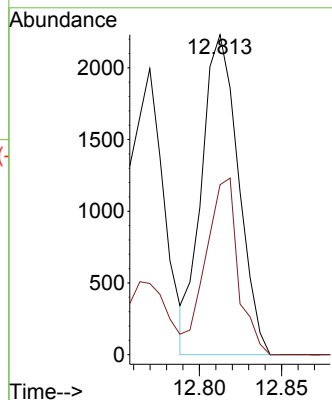
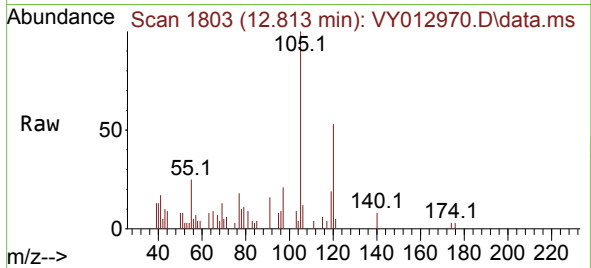




#80
 1,3,5-Trimethylbenzene
 Concen: 1.031 ug/l
 RT: 12.813 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VY012970.D
 Acq: 16 Mar 2023 14:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 CE-43-031423

Tgt Ion:105 Resp: 3460
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.160 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY012970.D
 Acq: 16 Mar 2023 14:53

Tgt Ion: 75 Resp: 29155
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.0#
 89 0.0 36.6 55.0#

