

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014044.D
 Acq On : 06 Jun 2023 20:30
 Operator : KP/MD
 Sample : 03044-08
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Jun 07 01:43:25 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)

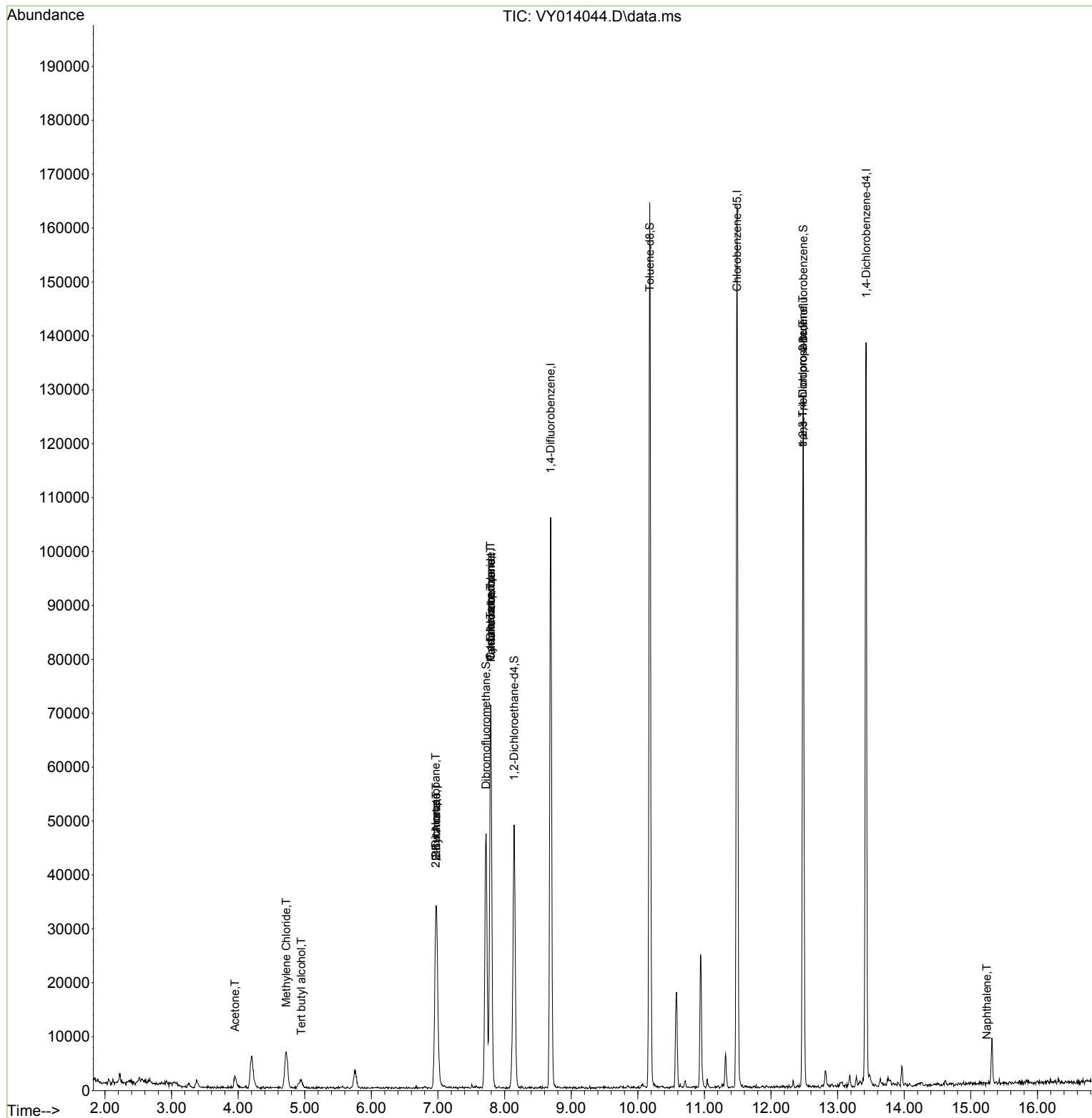
Internal Standards						
1) Pentafluorobenzene	7.795	168	55659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	86672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	36062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	37536	50.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.880%			
35) Dibromofluoromethane	7.722	113	32642	58.621	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.240%			
50) Toluene-d8	10.179	98	107358	50.546	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.483	95	33002	45.576	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	2070	13.670	ug/l #	89
16) Acetone	3.954	43	3766	14.940	ug/l	91
20) Methylene Chloride	4.722	84	5074	3.747	ug/l #	92
25) 2-Butanone	6.972	43	2308	7.349	ug/l #	85
26) 2,2-Dichloropropane	6.966	77	2727	2.675	ug/l #	54
31) Cyclohexane	7.789	56	1530	1.725	ug/l #	34
36) 1,1-Dichloropropene	7.789	75	4546	5.730	ug/l #	51
37) Ethyl Acetate	6.972	43	2308	3.337	ug/l #	1
38) Carbon Tetrachloride	7.789	117	5553	6.247	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	16839	34.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16839	73.615	ug/l #	11
95) Naphthalene	15.239	128	319	4.056	ug/l #	69

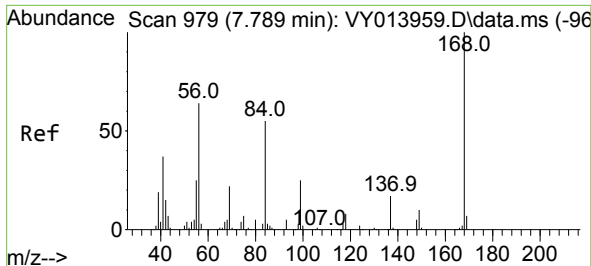
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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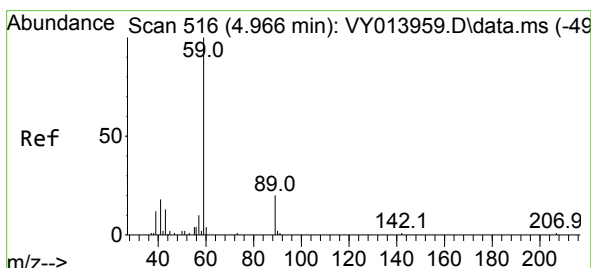
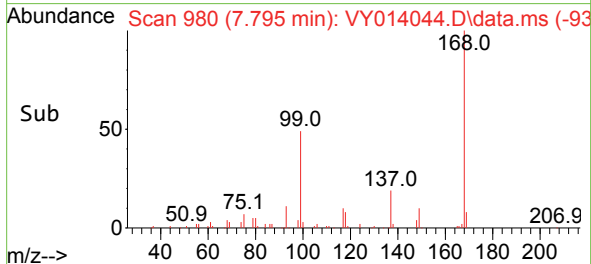
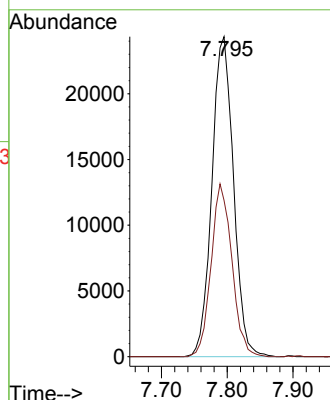
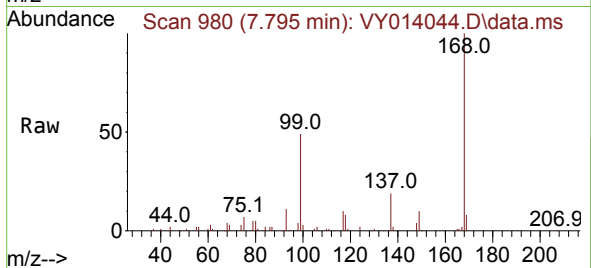




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

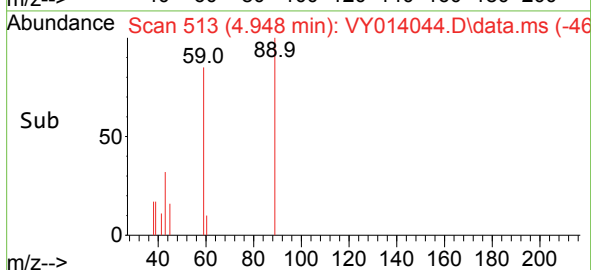
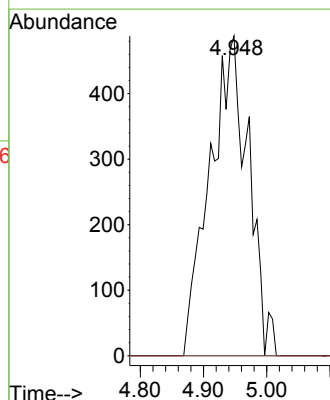
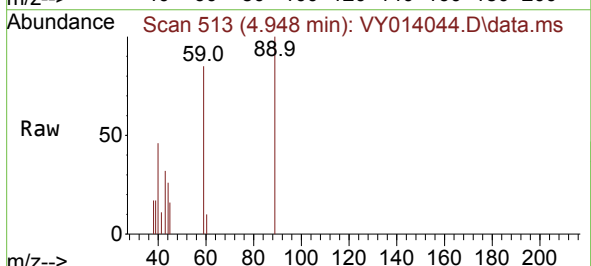
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-0-2.0

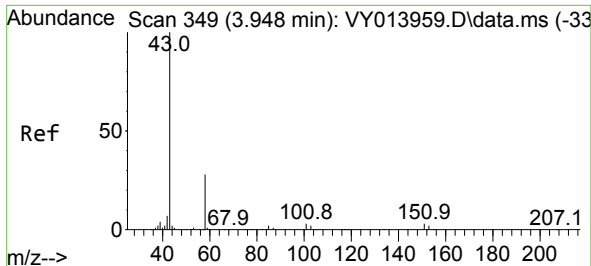
Tgt Ion:168 Resp: 55659
Ion Ratio Lower Upper
168 100
99 48.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 13.670 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 59 Resp: 2070
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

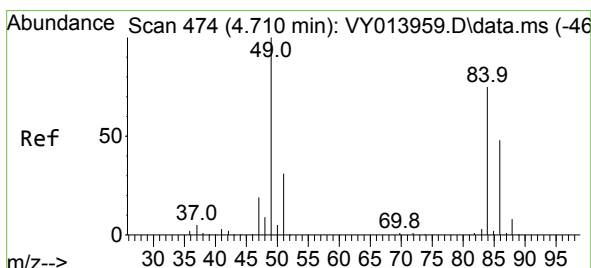
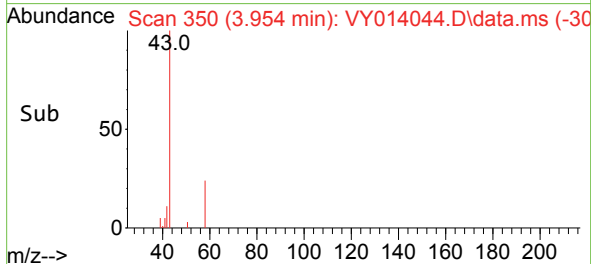
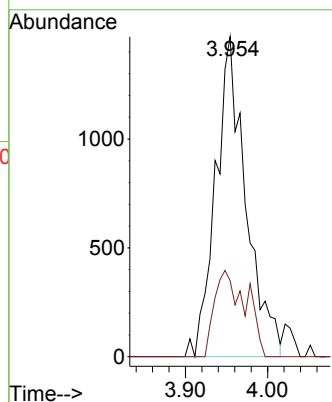
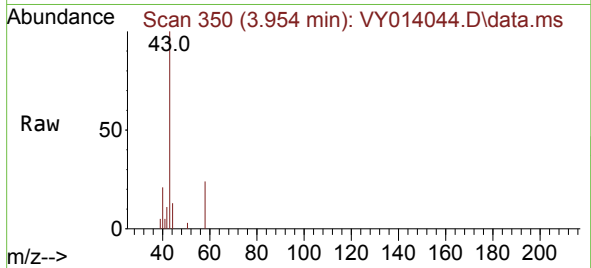




#16
Acetone
Concen: 14.940 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

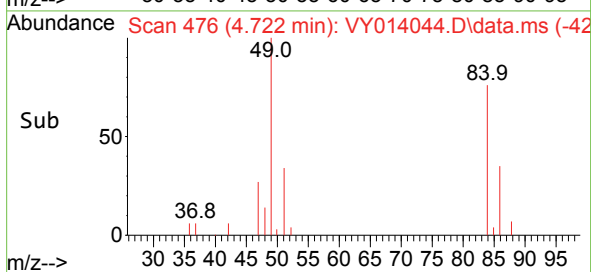
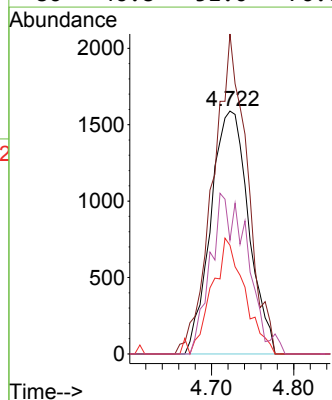
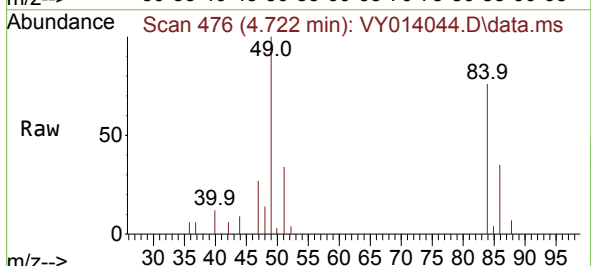
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-0-2.0

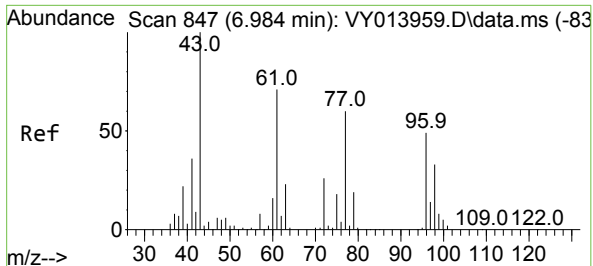
Tgt Ion: 43 Resp: 3766
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1



#20
Methylene Chloride
Concen: 3.747 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 84 Resp: 5074
Ion Ratio Lower Upper
84 100
49 131.8 106.9 160.3
51 44.7 33.2 49.8
86 46.8 51.0 76.6#





#25

2-Butanone

Concen: 7.349 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014044.D

Acq: 06 Jun 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

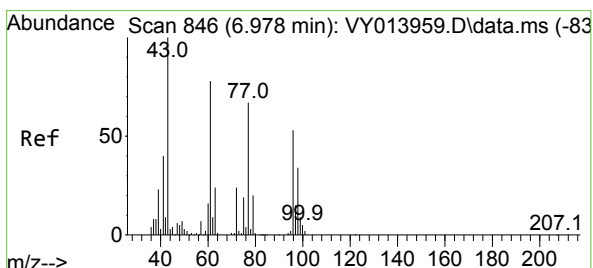
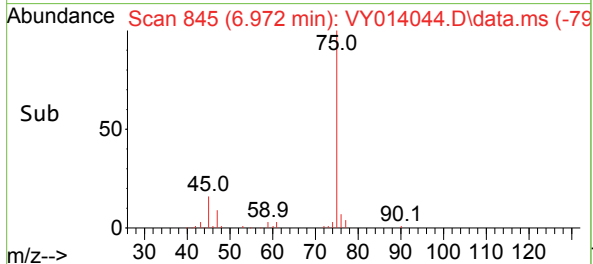
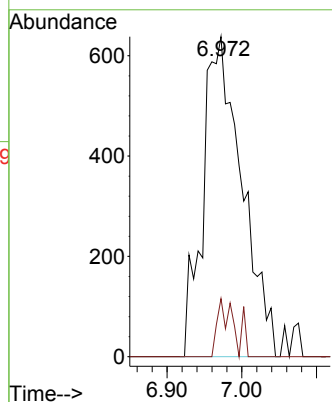
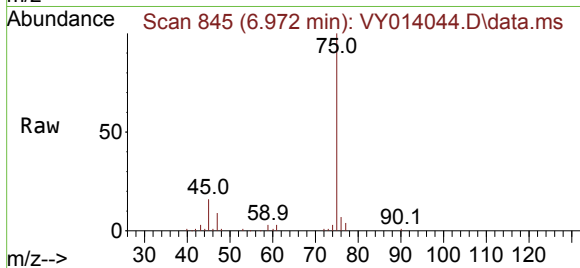
SB-04-0-2.0

Tgt Ion: 43 Resp: 2308

Ion Ratio Lower Upper

43 100

72 18.2 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.675 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY014044.D

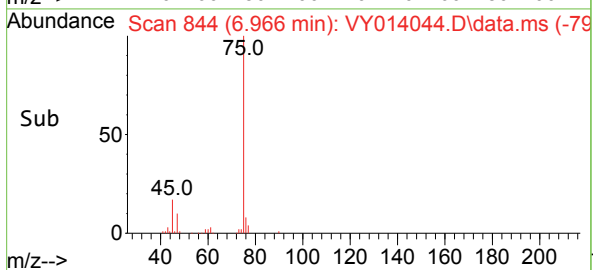
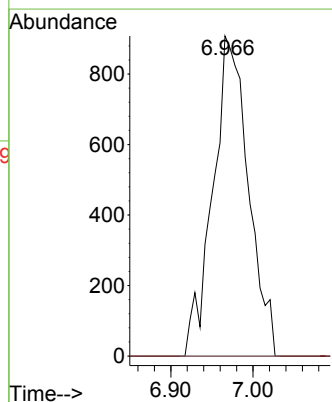
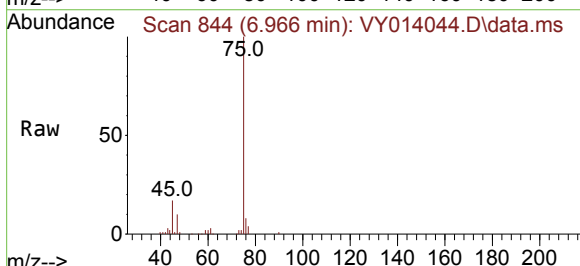
Acq: 06 Jun 2023 20:30

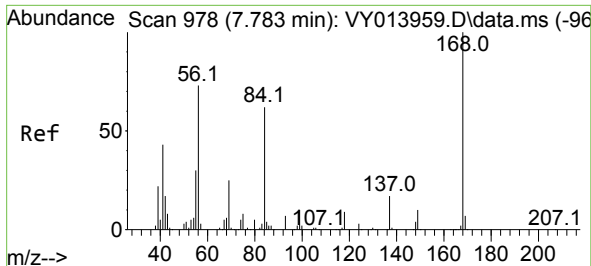
Tgt Ion: 77 Resp: 2727

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

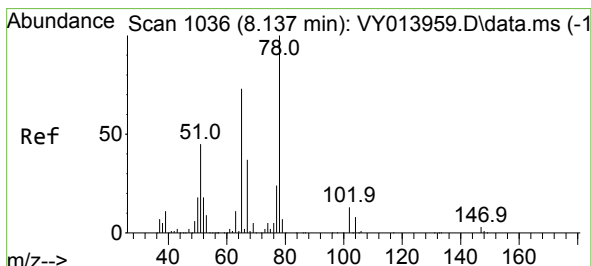
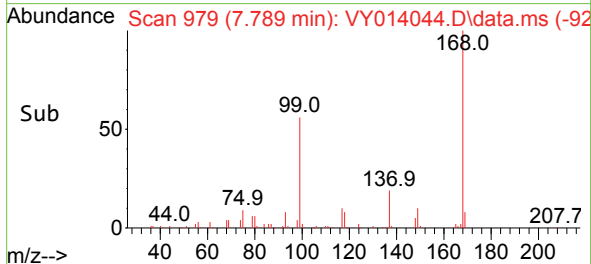
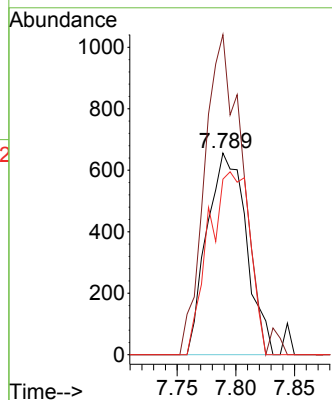
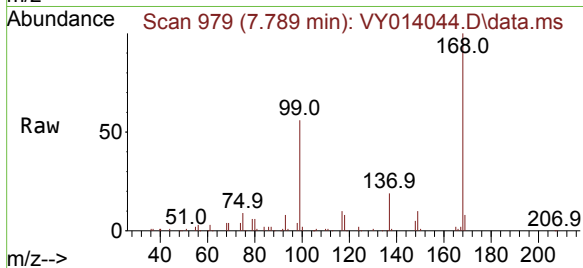




#31
Cyclohexane
Concen: 1.725 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

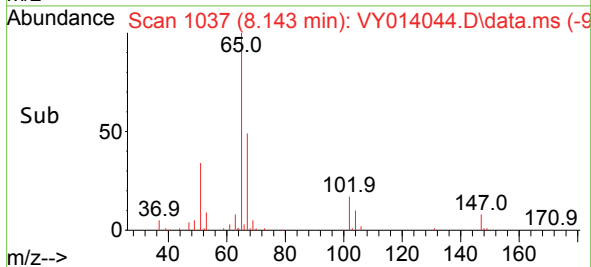
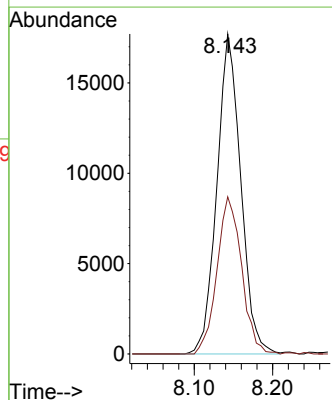
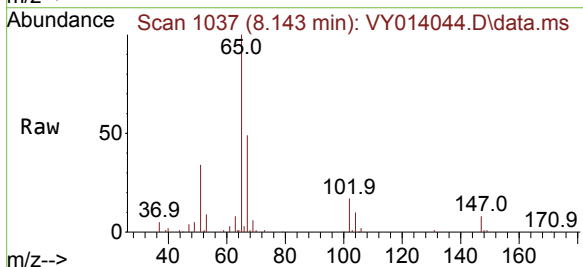
Instrument :
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ClientSampleId :
SB-04-0-2.0

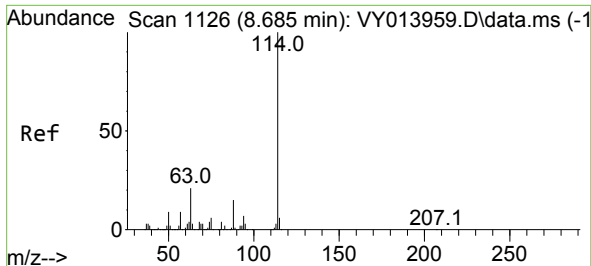
Tgt Ion: 56 Resp: 1530
Ion Ratio Lower Upper
56 100
69 158.7 27.8 41.6#
84 87.0 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.945 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 65 Resp: 37536
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8

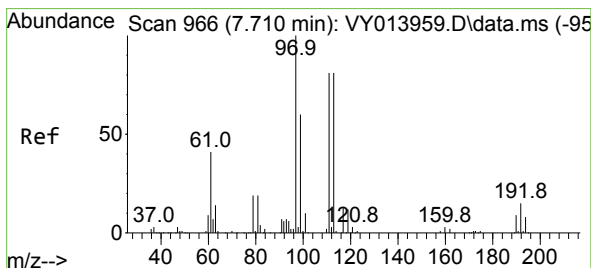
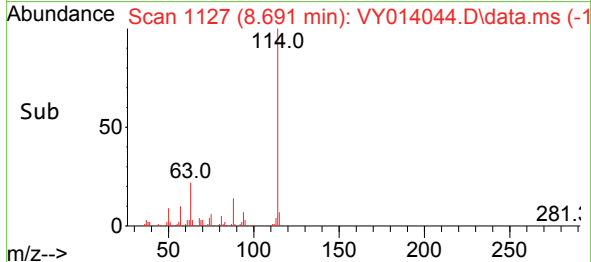
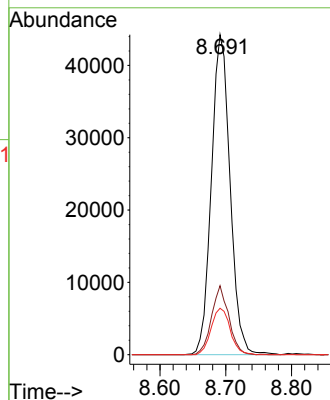
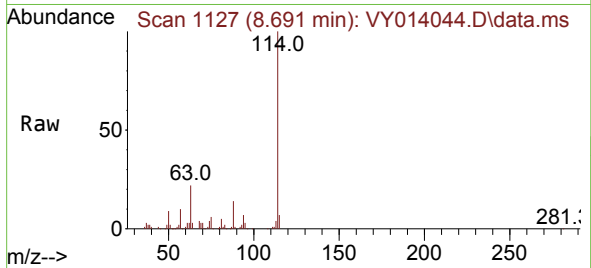




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

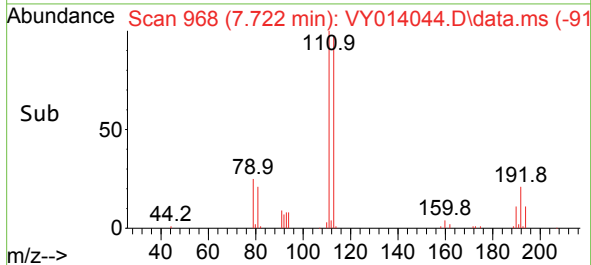
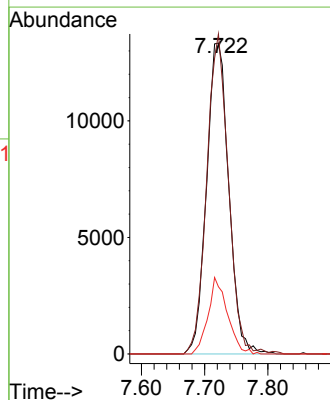
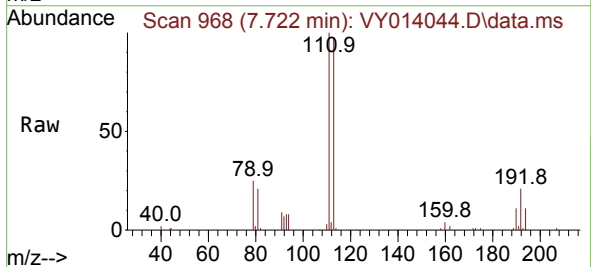
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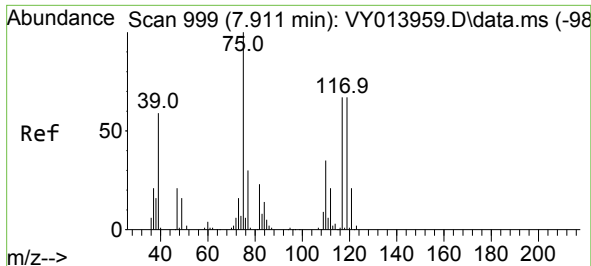
Tgt Ion:114 Resp: 87619
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 58.621 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.012 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion:113 Resp: 32642
Ion Ratio Lower Upper
113 100
111 99.9 81.3 121.9
192 21.5 16.9 25.3

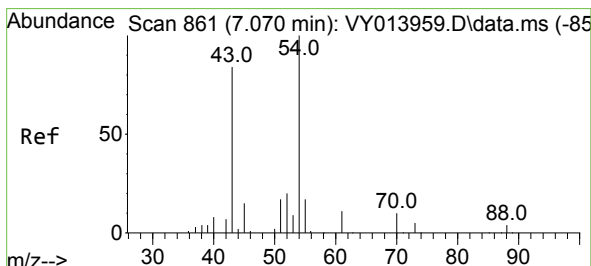
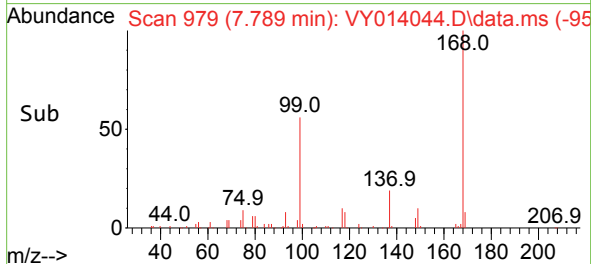
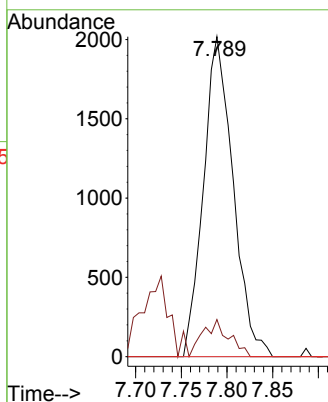
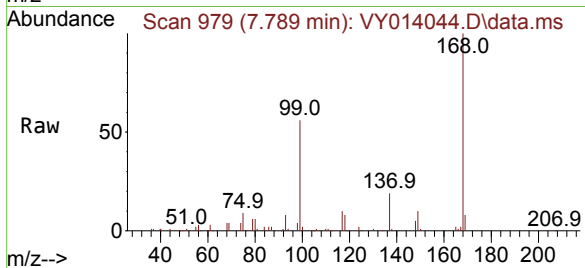




#36
1,1-Dichloropropene
Concen: 5.730 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

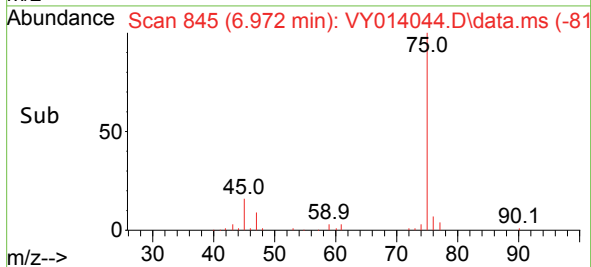
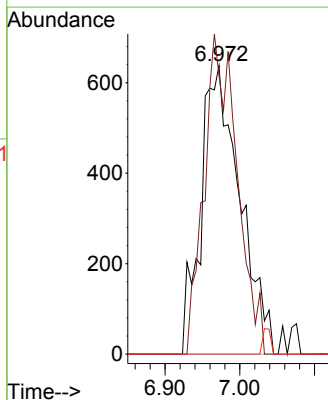
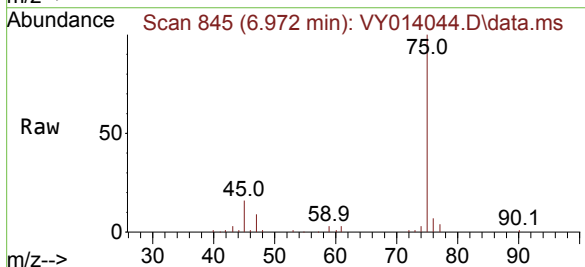
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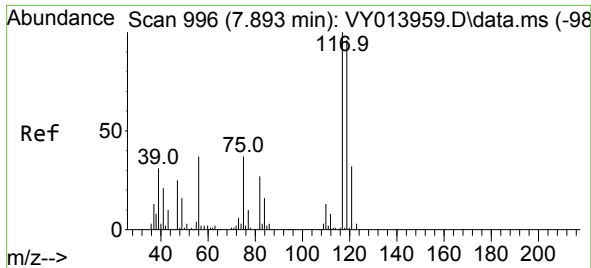
Tgt Ion: 75 Resp: 4546
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.337 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
61 93.8 10.1 15.1#
70 0.0 7.1 10.7#

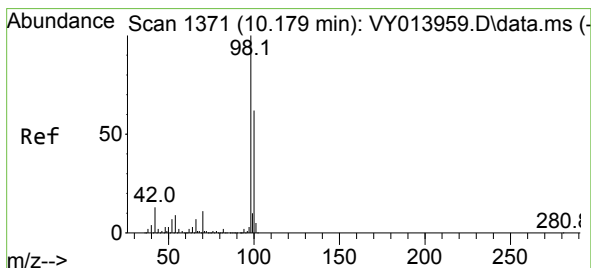
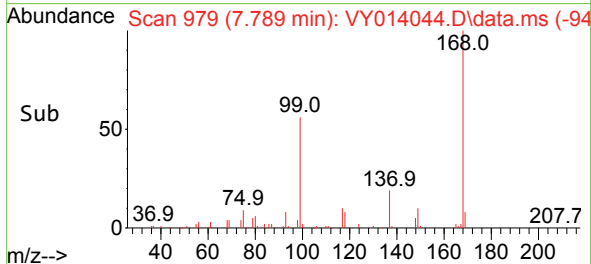
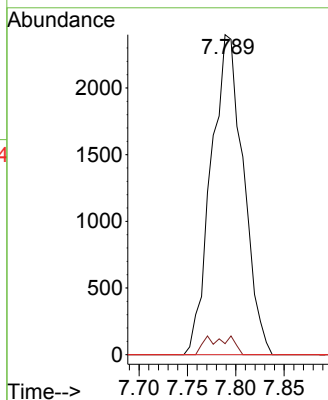
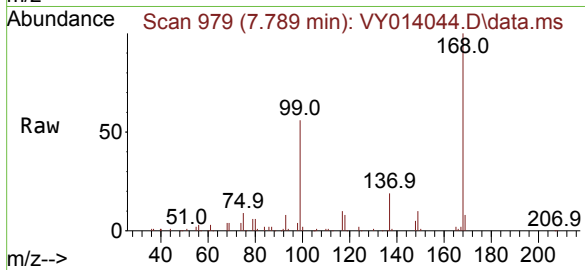




#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

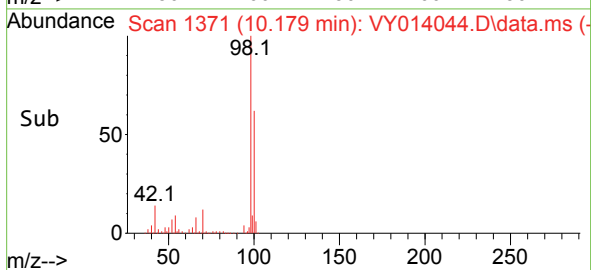
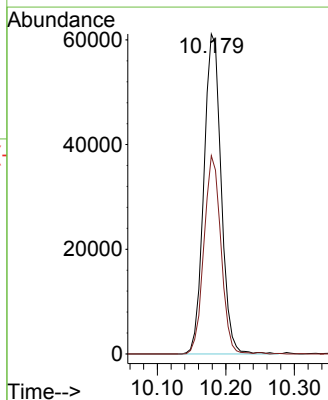
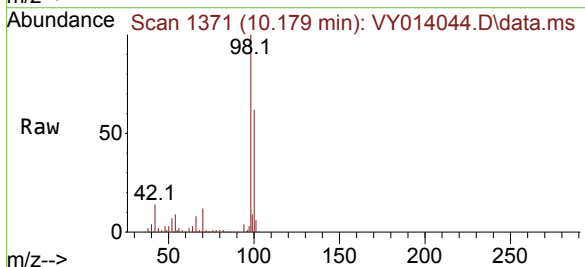
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-0-2.0

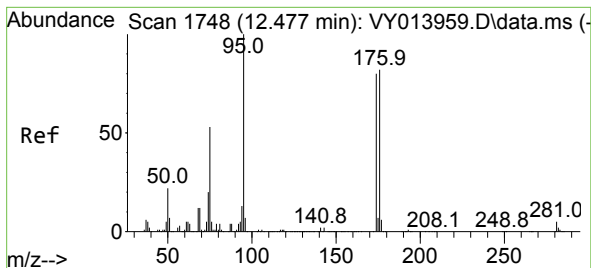
Tgt Ion:117 Resp: 5553
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.546 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 98 Resp: 107358
Ion Ratio Lower Upper
98 100
100 60.8 50.1 75.1

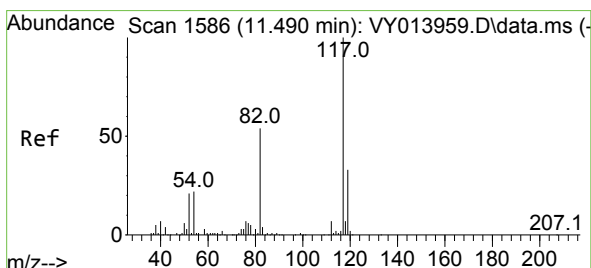
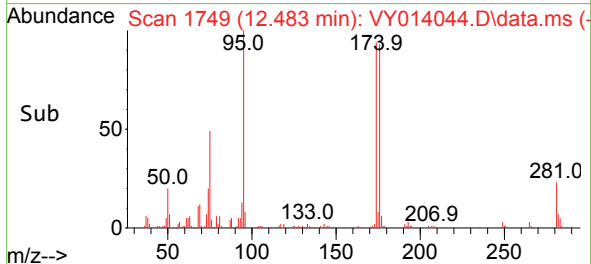
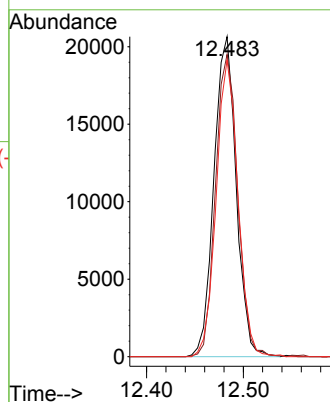
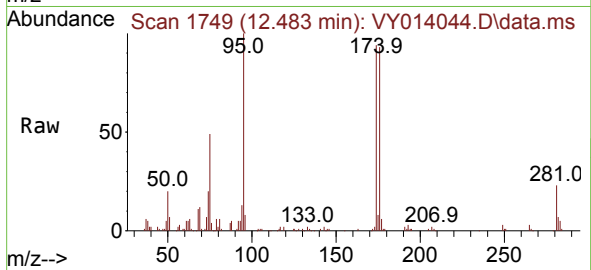




#62
4-Bromofluorobenzene
Concen: 45.576 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

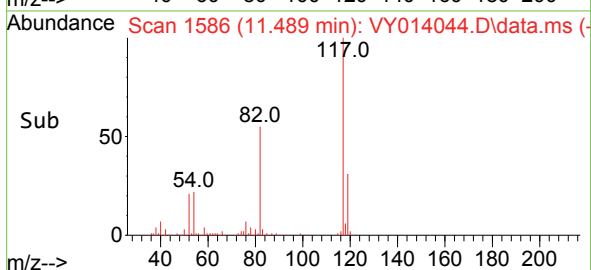
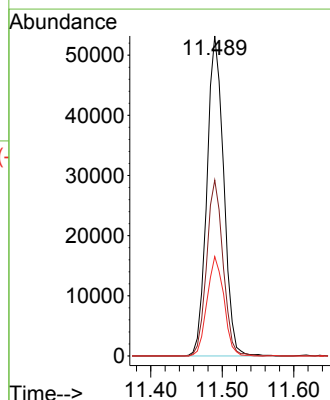
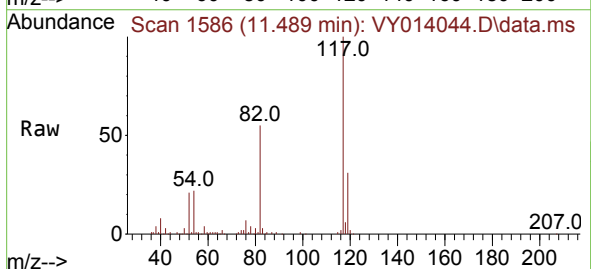
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-0-2.0

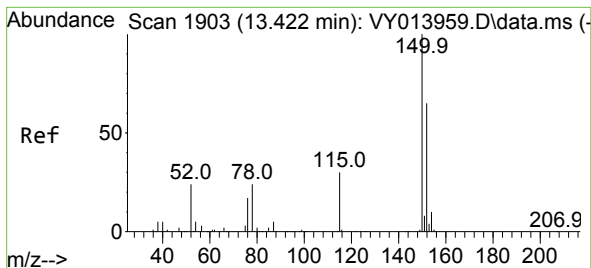
Tgt Ion: 95 Resp: 33002
Ion Ratio Lower Upper
95 100
174 93.9 0.0 178.2
176 90.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion: 117 Resp: 86672
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 31.0 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: VY014044.D

Acq: 06 Jun 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-0-2.0

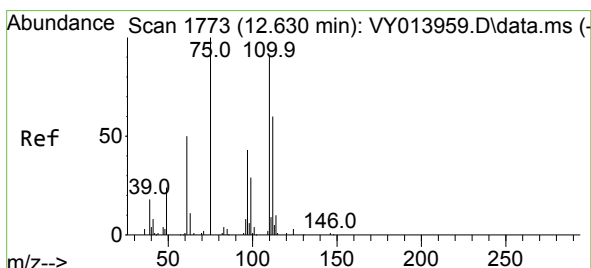
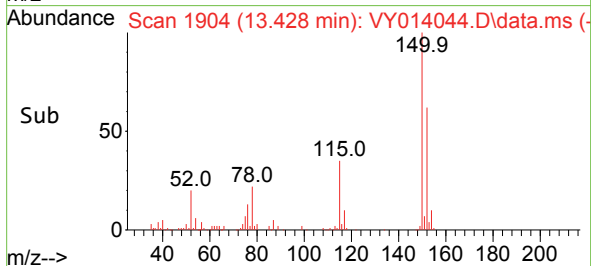
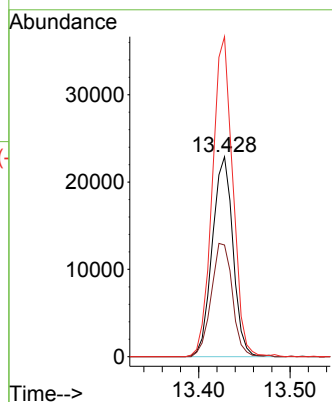
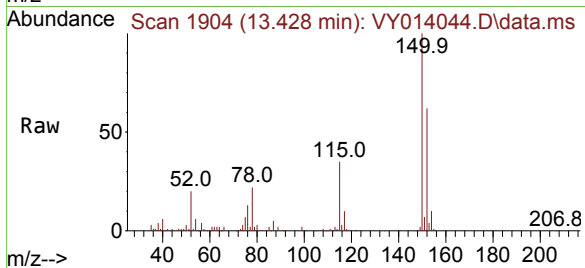
Tgt Ion:152 Resp: 36062

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 158.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.699 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014044.D

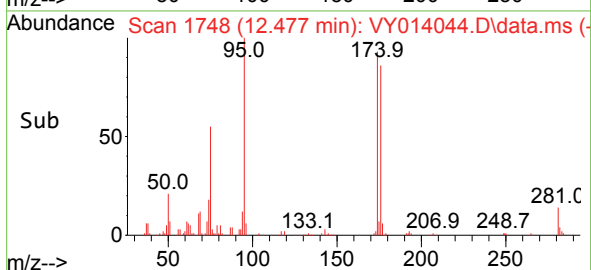
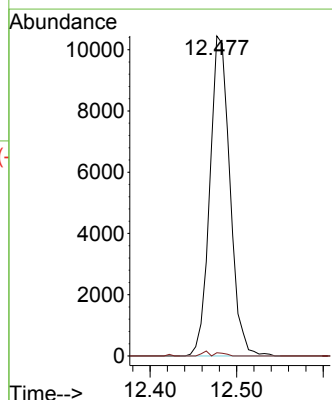
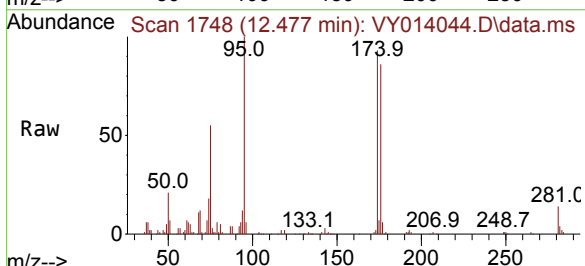
Acq: 06 Jun 2023 20:30

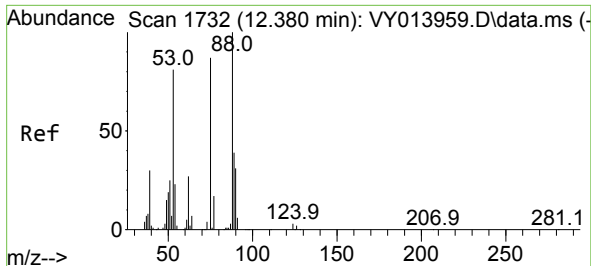
Tgt Ion: 75 Resp: 16839

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#

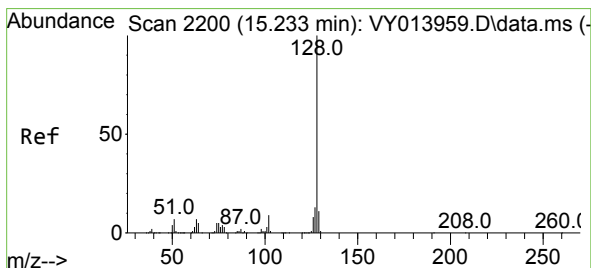
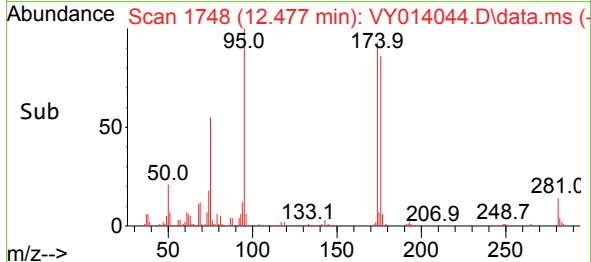
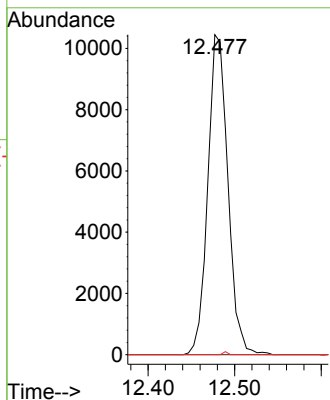
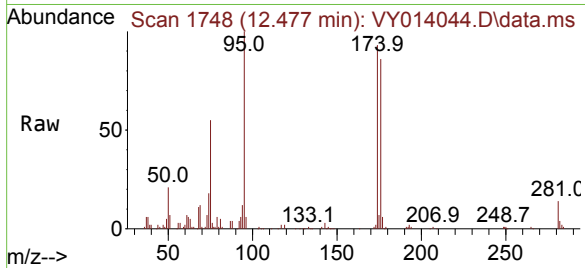




#81
trans-1,4-Dichloro-2-butene
Concen: 73.615 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-0-2.0

Tgt Ion: 75 Resp: 16839
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 4.056 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY014044.D
Acq: 06 Jun 2023 20:30

Tgt Ion:128 Resp: 319
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

