

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014045.D
 Acq On : 06 Jun 2023 20:53
 Operator : KP/MD
 Sample : 03044-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-5.0-7.0

Quant Time: Jun 07 01:43:45 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)

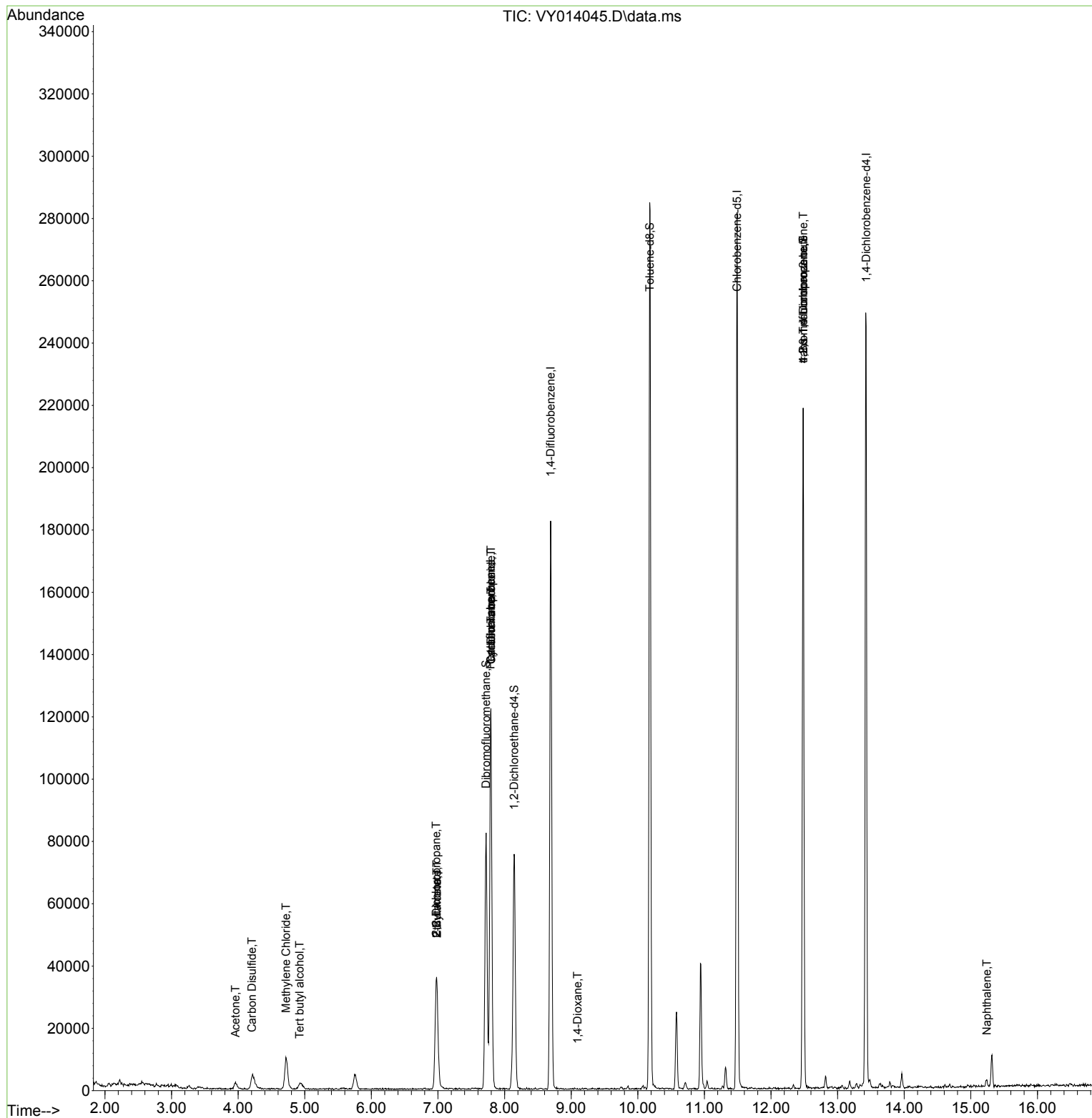
Internal Standards						
1) Pentafluorobenzene	7.789	168	93244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	151262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60880	49.322	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.640%
35) Dibromofluoromethane	7.722	113	54184	56.366	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.740%
50) Toluene-d8	10.179	98	187680	51.184	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.360%
62) 4-Bromofluorobenzene	12.483	95	56688	45.348	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.700%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	1466	5.779	ug/l #	89
16) Acetone	3.960	43	4232	10.021	ug/l	96
17) Carbon Disulfide	4.204	76	3051	1.007	ug/l #	94
20) Methylene Chloride	4.716	84	7338	2.641	ug/l #	86
25) 2-Butanone	6.984	43	2253	4.282	ug/l	100
26) 2,2-Dichloropropane	6.972	77	2631	1.540	ug/l #	54
31) Cyclohexane	7.795	56	2340	1.574	ug/l #	18
36) 1,1-Dichloropropene	7.795	75	7417	5.416	ug/l #	52
37) Ethyl Acetate	6.984	43	2253	1.887	ug/l #	1
38) Carbon Tetrachloride	7.795	117	9396	6.123	ug/l #	15
49) 1,4-Dioxane	9.094	88	21	2.069	ug/l #	36
76) 1,2,3-Trichloropropane	12.483	75	31419	34.639	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31419	73.486	ug/l #	11
95) Naphthalene	15.239	128	2153	4.512	ug/l	94

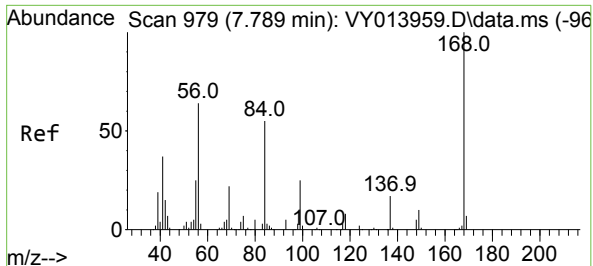
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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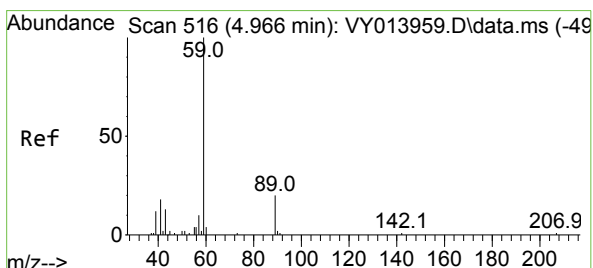
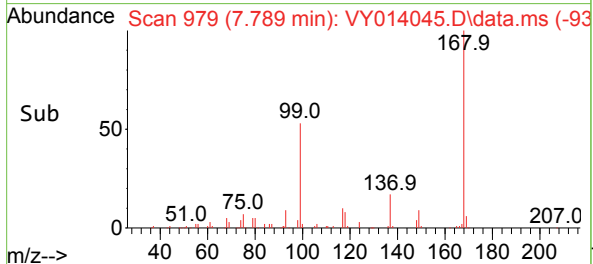
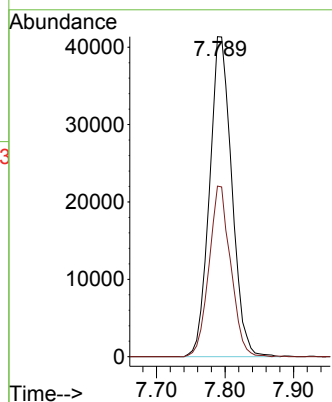
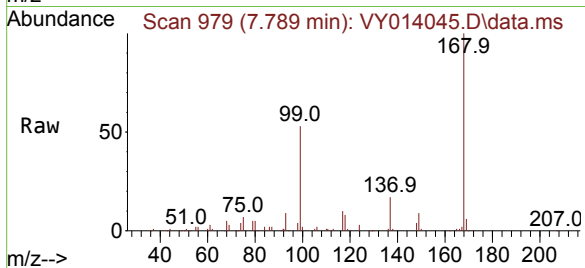




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

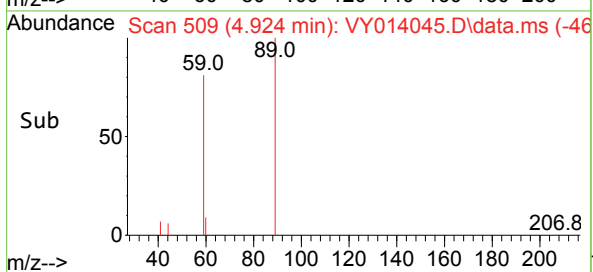
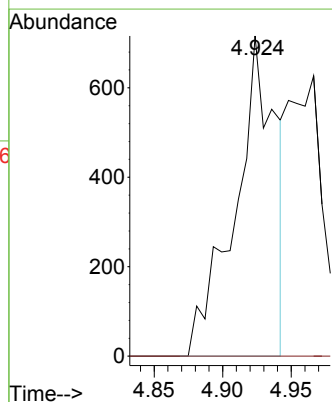
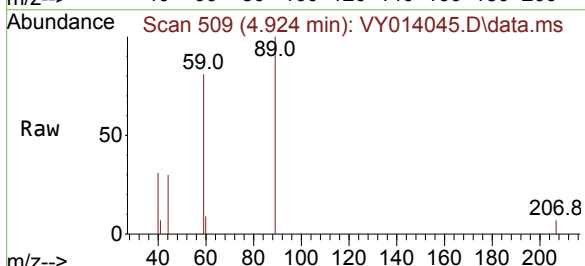
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

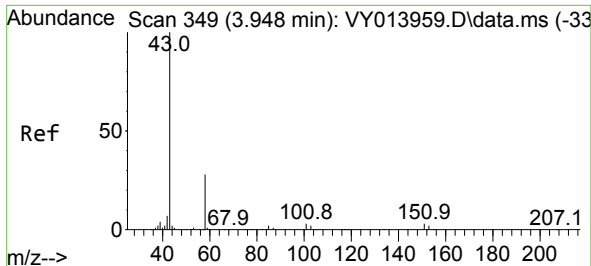
Tgt Ion:168 Resp: 93244
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 5.779 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion: 59 Resp: 1466
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

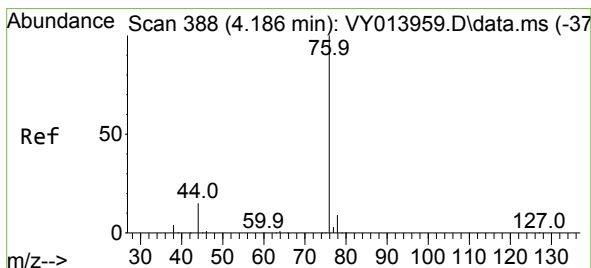
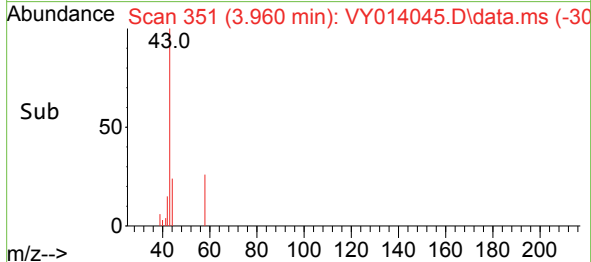
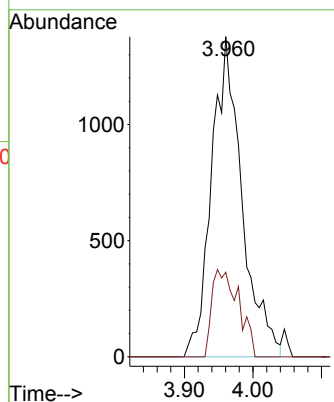
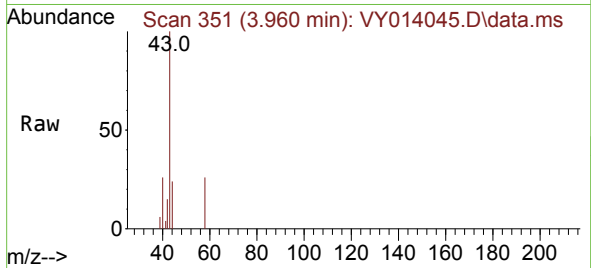




#16
Acetone
Concen: 10.021 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

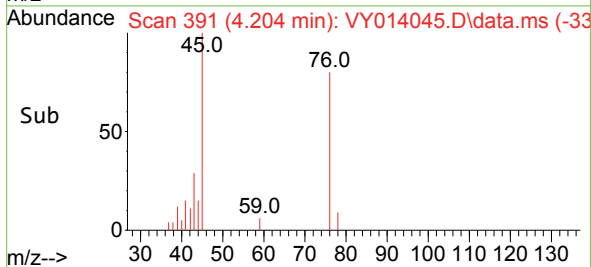
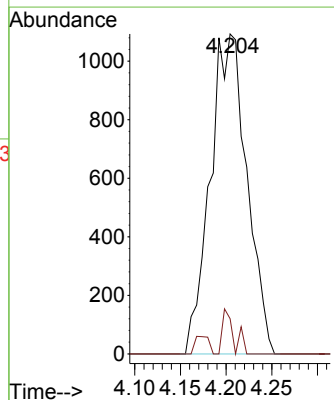
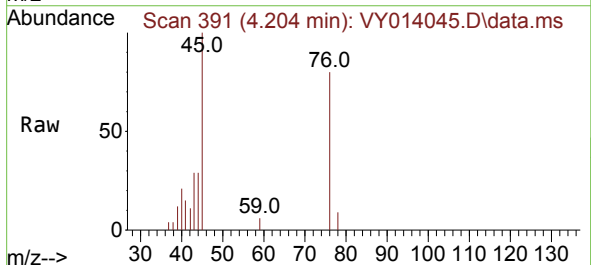
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

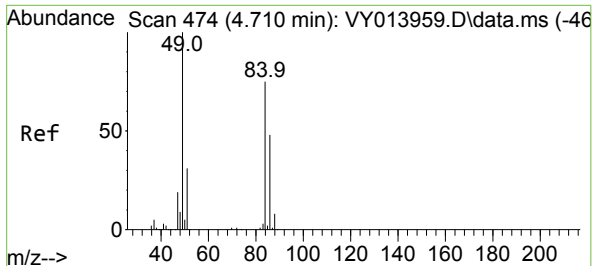
Tgt Ion: 43 Resp: 4232
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1



#17
Carbon Disulfide
Concen: 1.007 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.018 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion: 76 Resp: 3051
Ion Ratio Lower Upper
76 100
78 11.0 7.0 10.4#

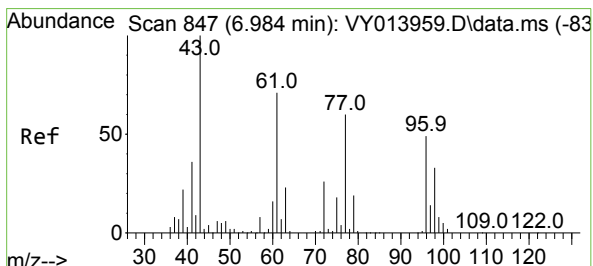
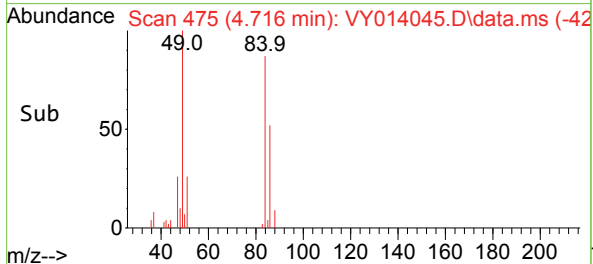
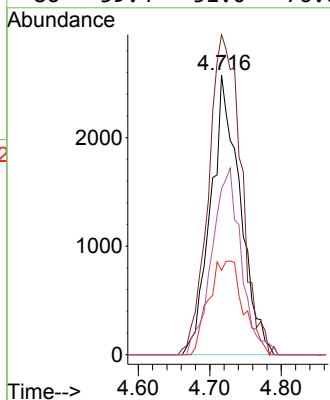
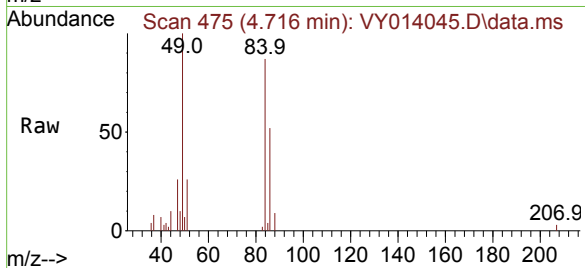




#20
Methylene Chloride
Concen: 2.641 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

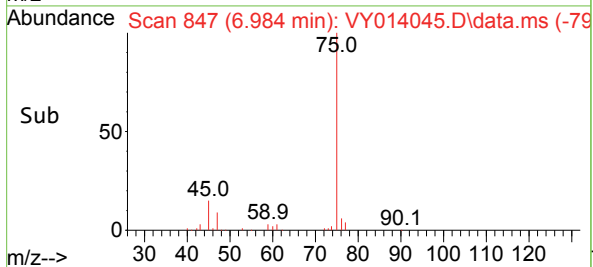
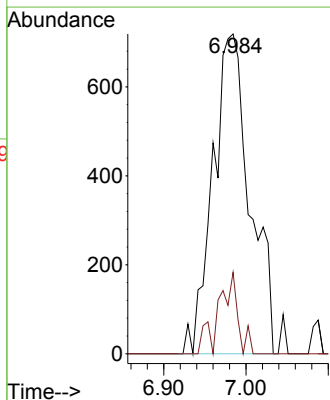
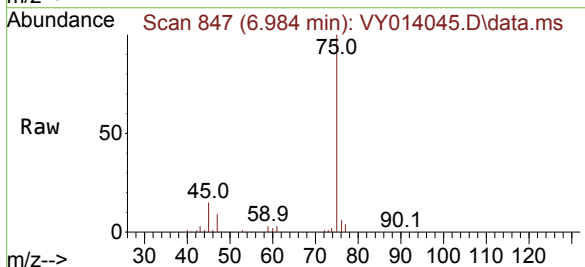
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

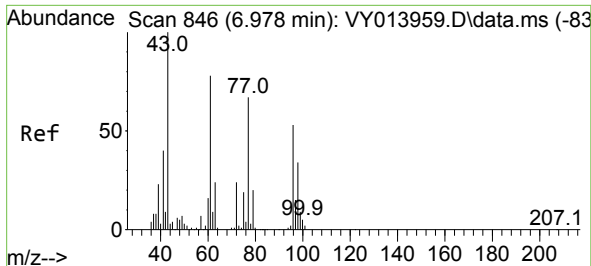
Tgt Ion:	84	Resp:	7338
Ion	Ratio	Lower	Upper
84	100		
49	114.4	106.9	160.3
51	30.1	33.2	49.8#
86	59.4	51.0	76.6



#25
2-Butanone
Concen: 4.282 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion:	43	Resp:	2253
Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.5	30.7

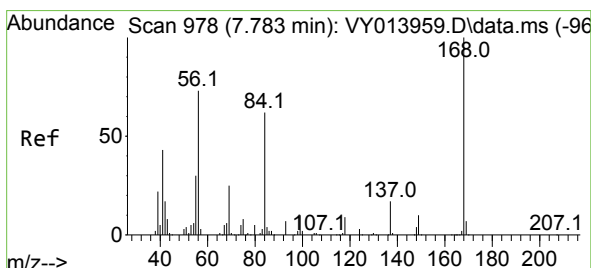
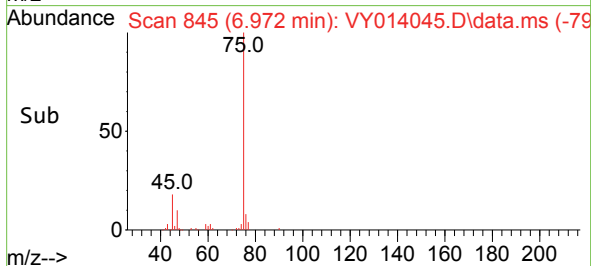
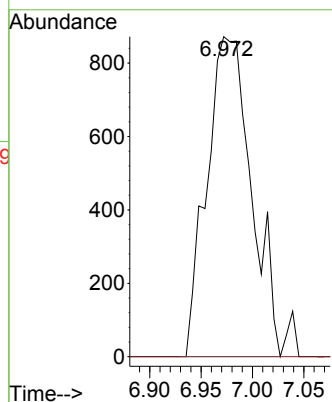
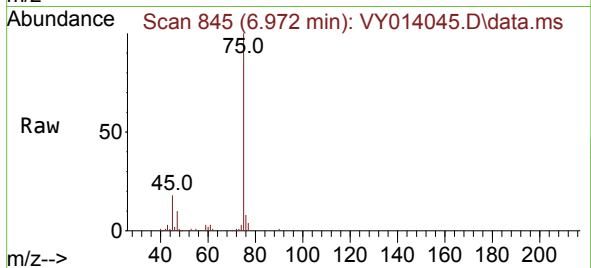




#26
2,2-Dichloropropane
Concen: 1.540 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

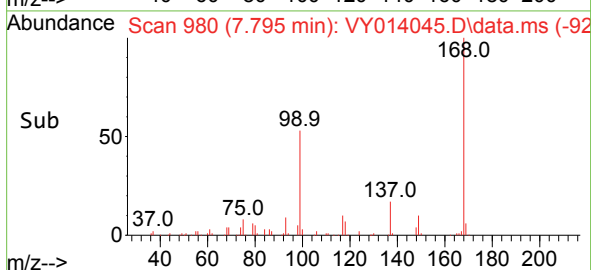
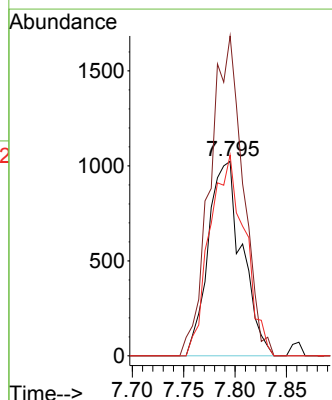
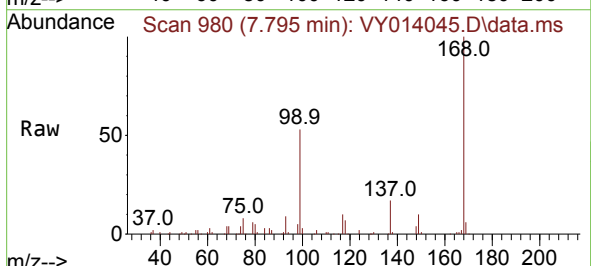
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

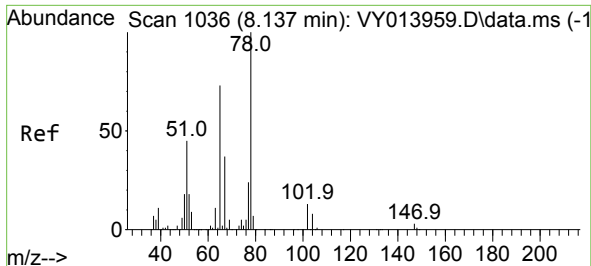
Tgt Ion: 77 Resp: 2631
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.574 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion: 56 Resp: 2340
Ion Ratio Lower Upper
56 100
69 164.5 27.8 41.6#
84 103.2 66.4 99.6#

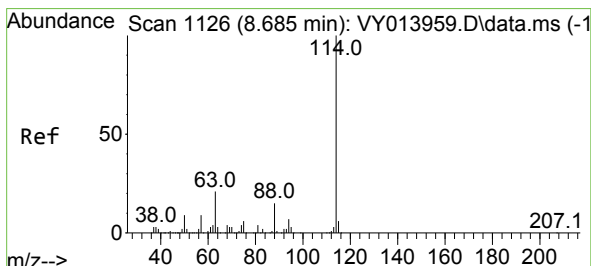
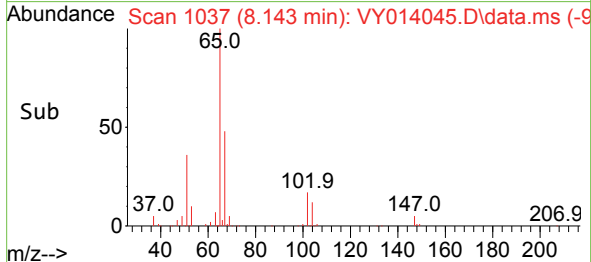
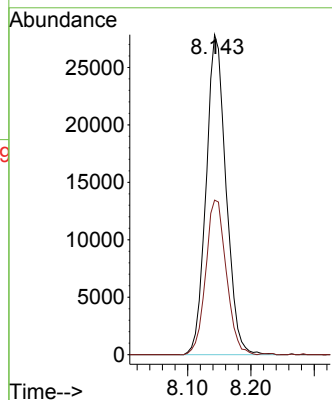
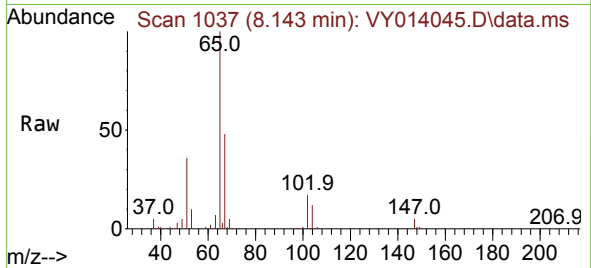




#33
 1,2-Dichloroethane-d4
 Concen: 49.322 ug/l
 RT: 8.143 min Scan# 1036
 Delta R.T. 0.006 min
 Lab File: VY014045.D
 Acq: 06 Jun 2023 20:53

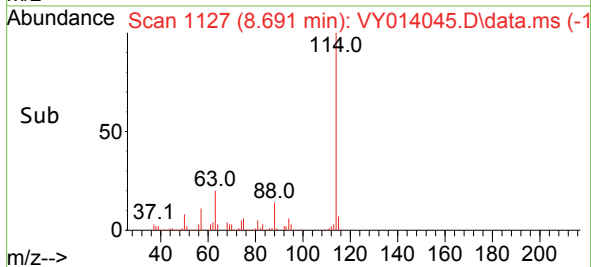
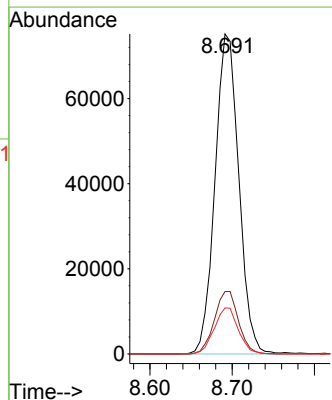
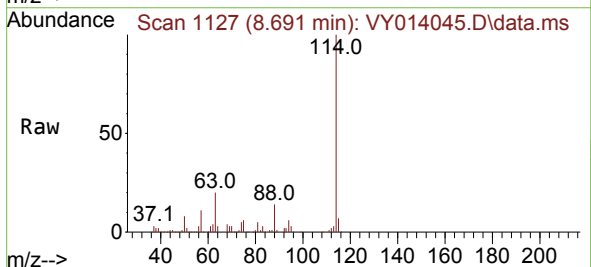
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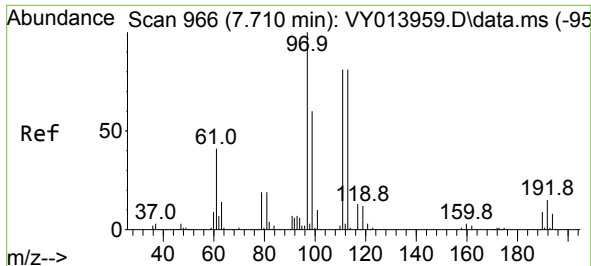
Tgt Ion: 65 Resp: 60880
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014045.D
 Acq: 06 Jun 2023 20:53

Tgt Ion: 114 Resp: 151262
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 14.4 0.0 30.6

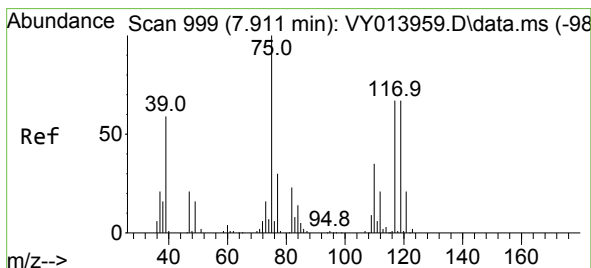
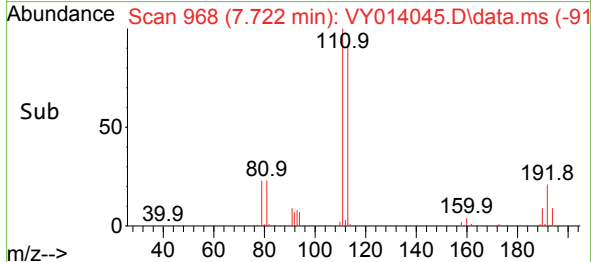
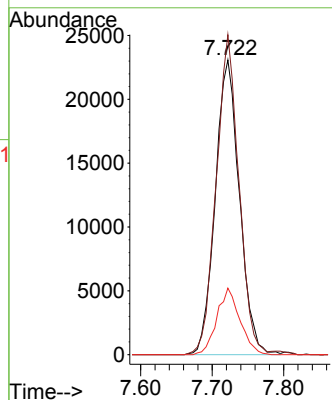
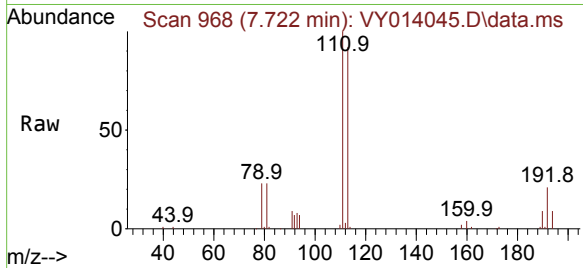




#35
Dibromofluoromethane
Concen: 56.366 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

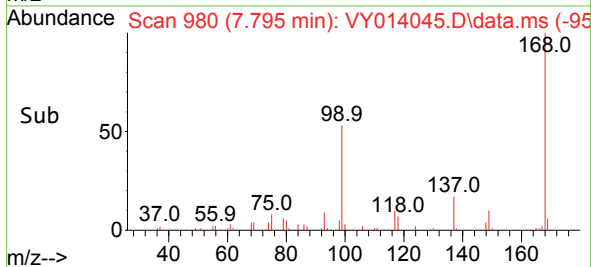
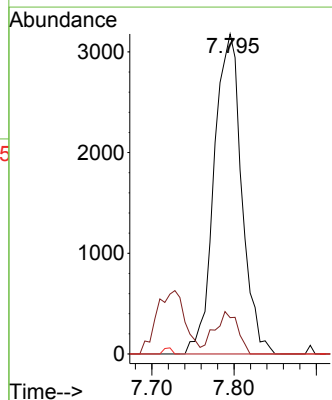
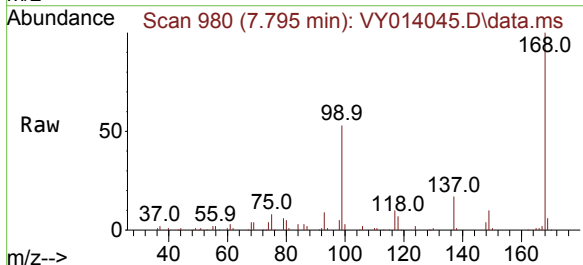
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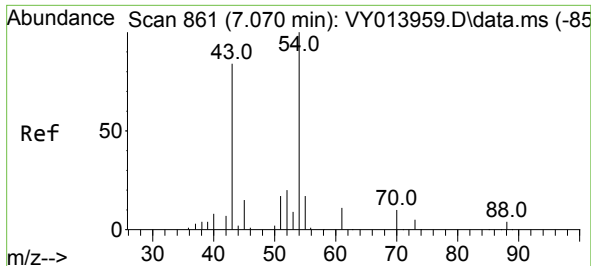
Tgt Ion:113 Resp: 54184
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion: 75 Resp: 7417
Ion Ratio Lower Upper
75 100
110 11.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.887 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY014045.D

Acq: 06 Jun 2023 20:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-5.0-7.0

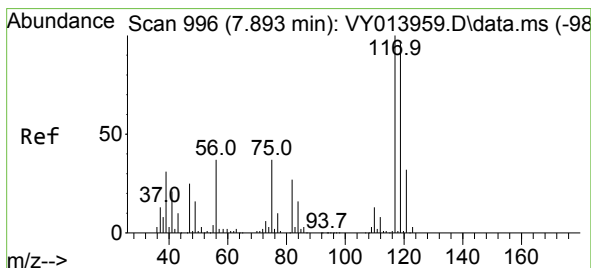
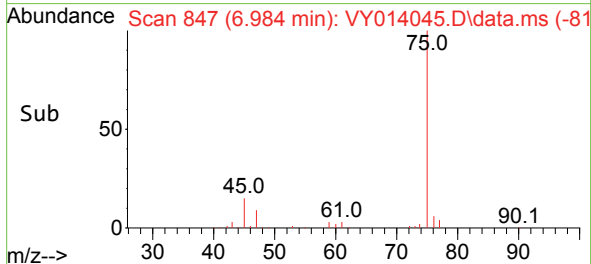
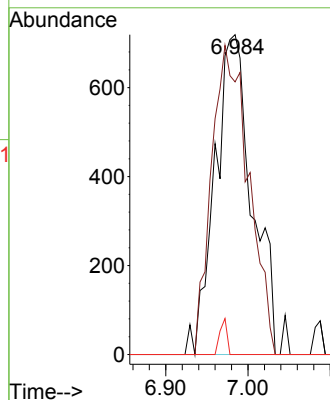
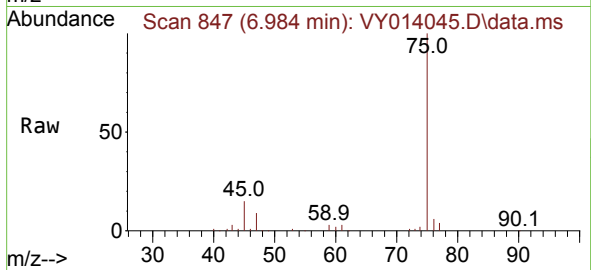
Tgt Ion: 43 Resp: 2253

Ion Ratio Lower Upper

43 100

61 96.8 10.1 15.1#

70 2.2 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.123 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.098 min

Lab File: VY014045.D

Acq: 06 Jun 2023 20:53

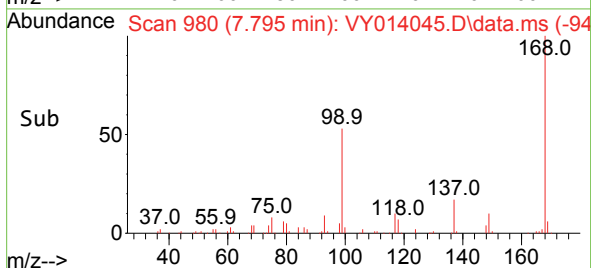
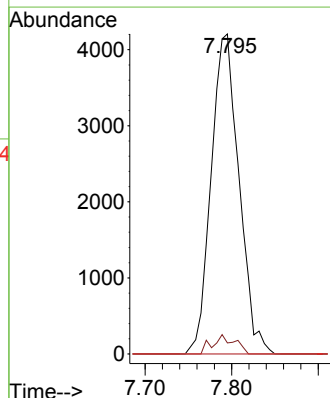
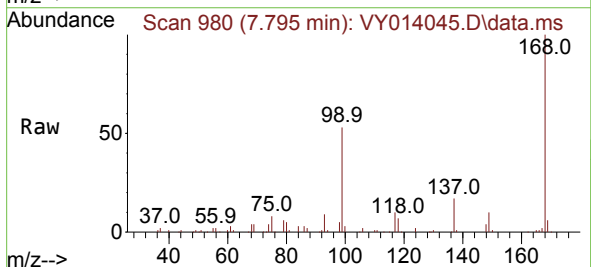
Tgt Ion: 117 Resp: 9396

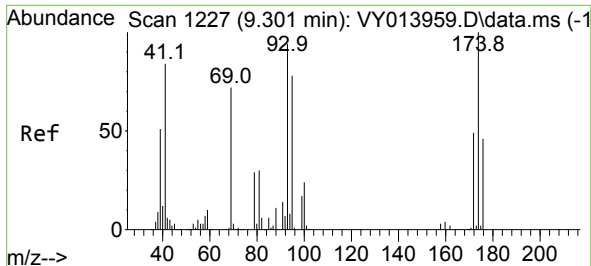
Ion Ratio Lower Upper

117 100

119 3.4 76.4 114.6#

121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 2.069 ug/l

RT: 9.094 min Scan# 1193

Delta R.T. -0.207 min

Lab File: VY014045.D

Acq: 06 Jun 2023 20:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-5.0-7.0

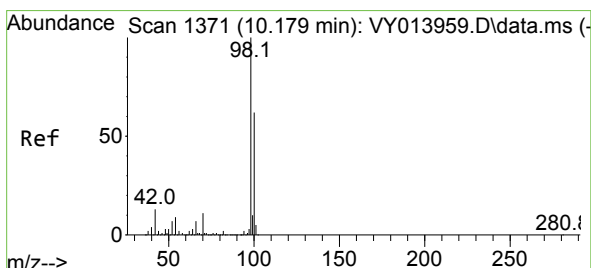
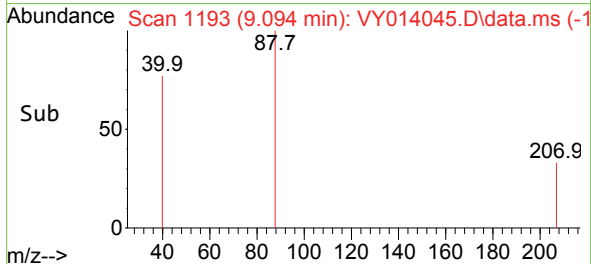
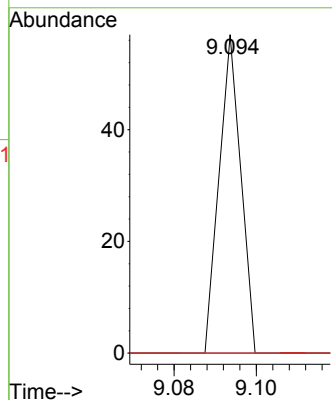
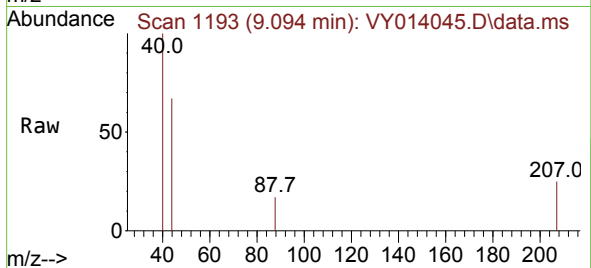
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 51.184 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014045.D

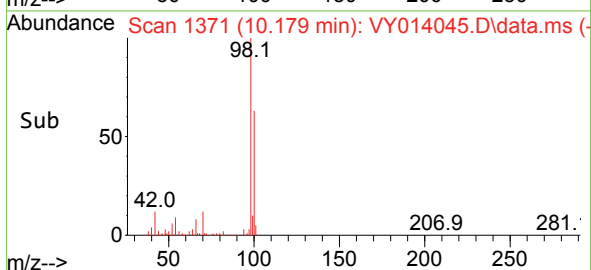
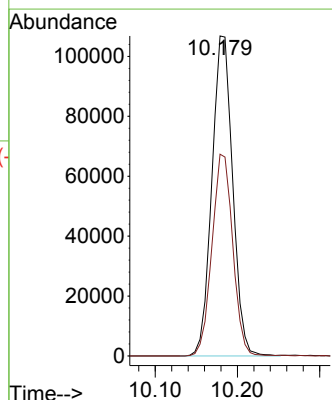
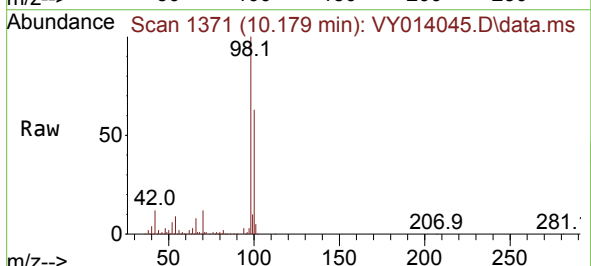
Acq: 06 Jun 2023 20:53

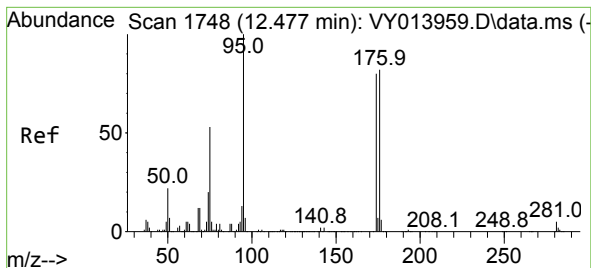
Tgt Ion: 98 Resp: 187680

Ion Ratio Lower Upper

98 100

100 63.0 50.1 75.1

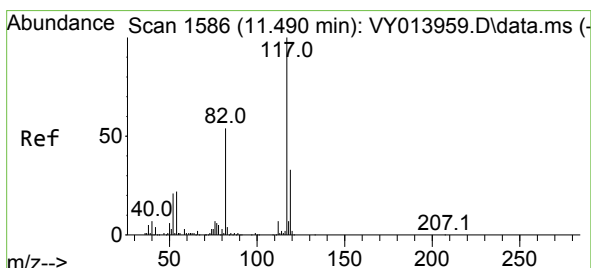
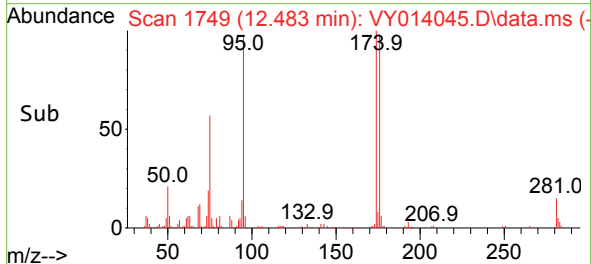
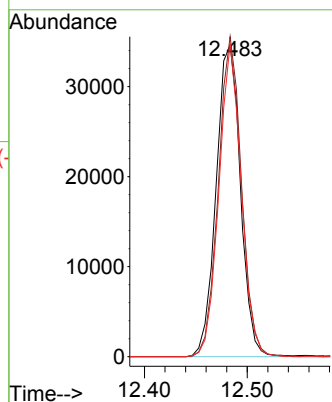
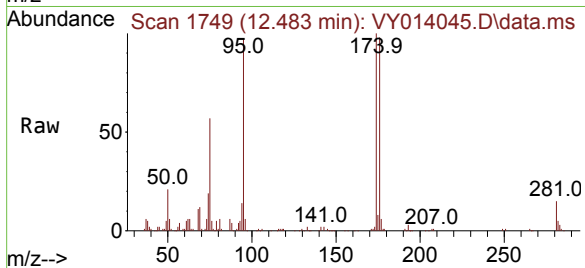




#62
4-Bromofluorobenzene
Concen: 45.348 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

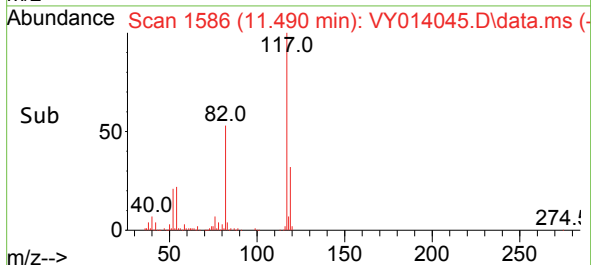
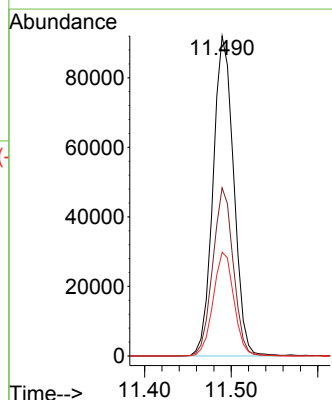
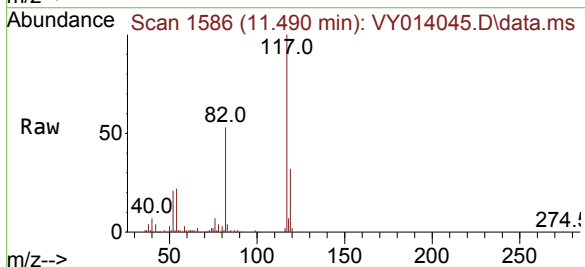
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

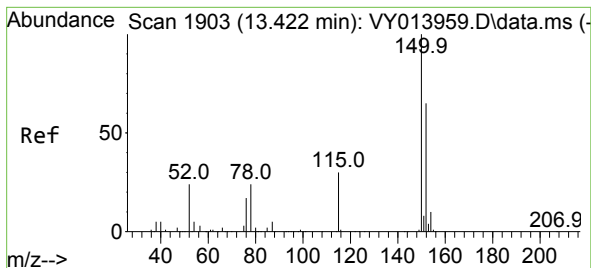
Tgt Ion: 95 Resp: 56688
Ion Ratio Lower Upper
95 100
174 97.6 0.0 178.2
176 92.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion: 117 Resp: 152296
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.4 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: VY014045.D

Acq: 06 Jun 2023 20:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-5.0-7.0

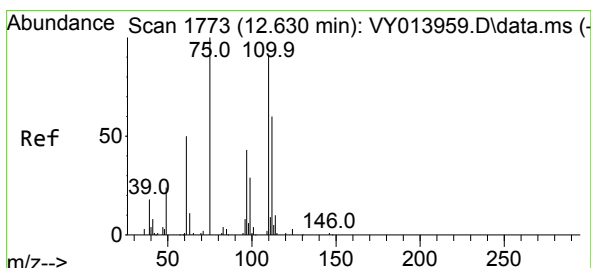
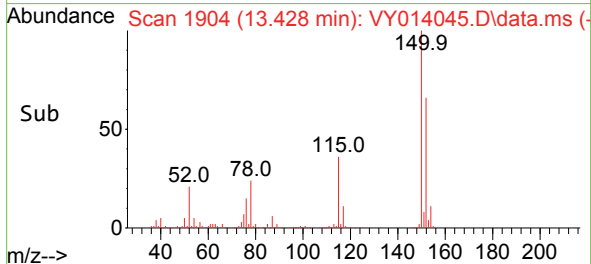
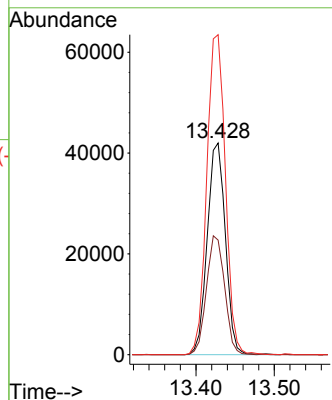
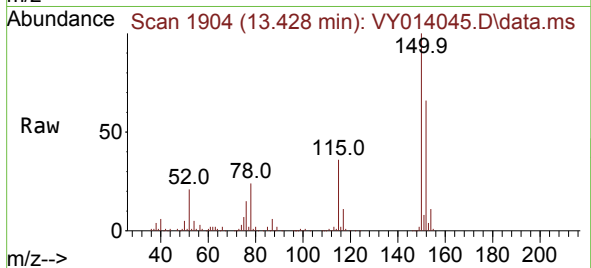
Tgt Ion:152 Resp: 67404

Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 154.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.639 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY014045.D

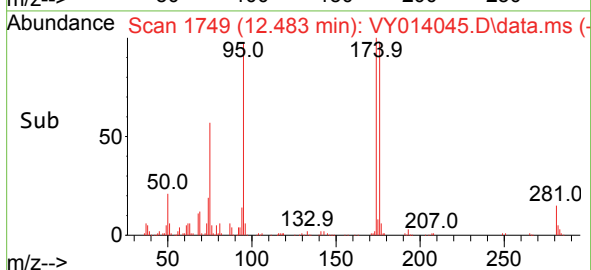
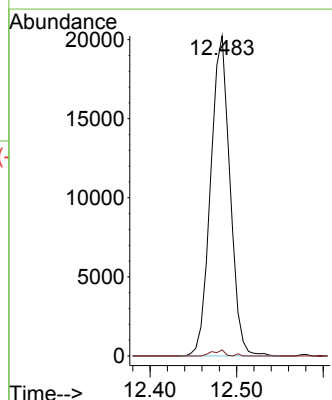
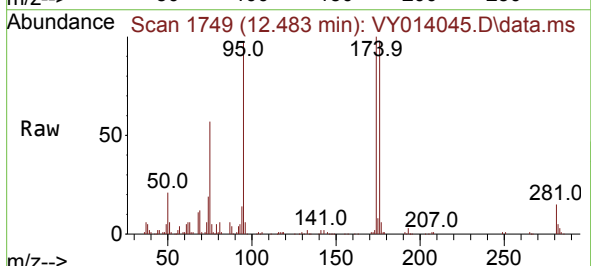
Acq: 06 Jun 2023 20:53

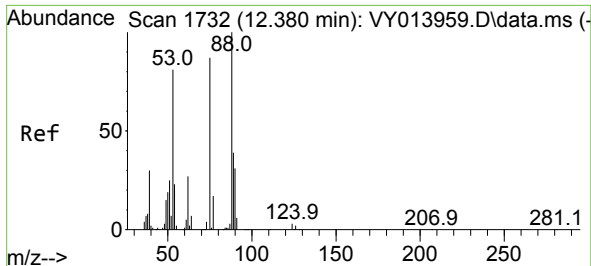
Tgt Ion: 75 Resp: 31419

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

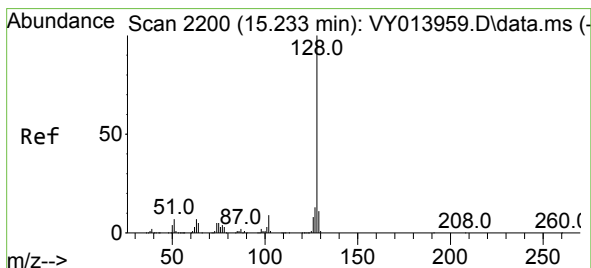
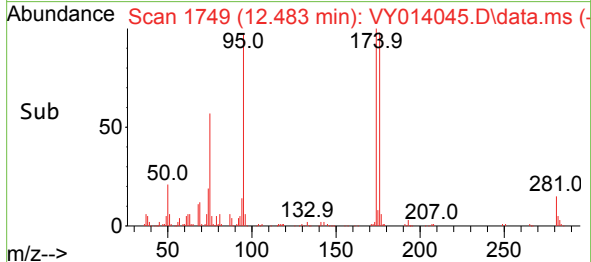
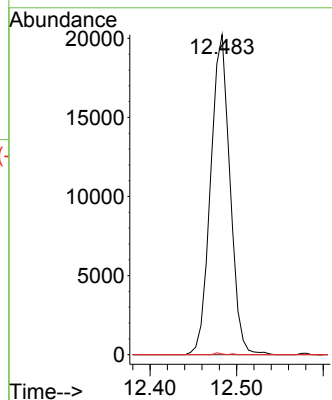
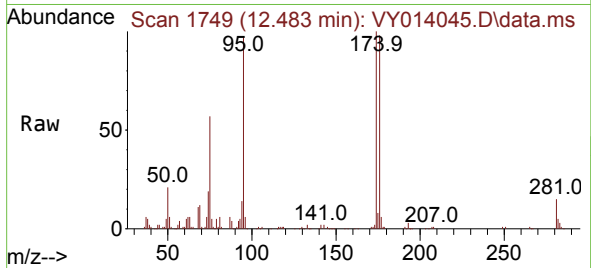




#81
trans-1,4-Dichloro-2-butene
Concen: 73.486 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-5.0-7.0

Tgt Ion: 75 Resp: 31419
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY014045.D
Acq: 06 Jun 2023 20:53

Tgt Ion:128 Resp: 2153
Ion Ratio Lower Upper
128 100
127 10.9 10.8 16.2
129 8.7 8.6 13.0

