

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014261.D
 Acq On : 20 Jun 2023 05:26
 Operator : KP/MD
 Sample : 03289-23
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-4.0-6.0

Quant Time: Jun 20 05:49:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

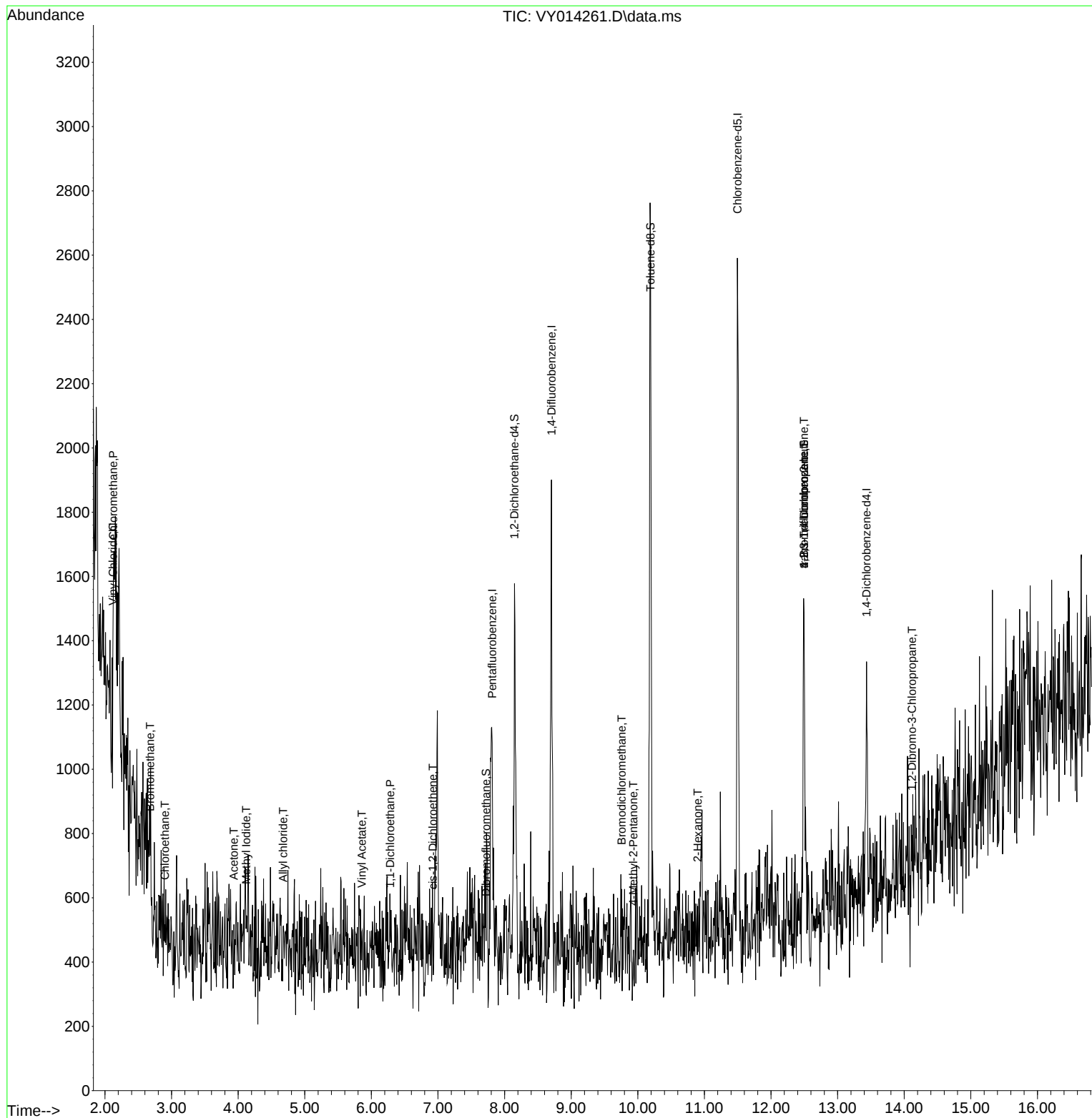
Internal Standards						
1) Pentafluorobenzene	7.813	168	810	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.703	114	1620	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	1224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	903	80.058	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.120%	
35) Dibromofluoromethane	7.722	113	234	20.368	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 40.740%#	
50) Toluene-d8	10.191	98	1808	42.094	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 84.180%	
62) 4-Bromofluorobenzene	12.495	95	372	24.381	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 48.760%	
Target Compounds						Qvalue
3) Chloromethane	2.125	50	63	5.504	ug/l	# 49
4) Vinyl Chloride	2.119	62	22	1.977	ug/l	# 44
5) Bromomethane	2.680	94	164	17.861	ug/l	# 2
6) Chloroethane	2.899	64	28	3.703	ug/l	# 44
10) Methyl Iodide	4.119	142	243	20.169	ug/l	# 38
14) Allyl chloride	4.673	41	22	1.312	ug/l	# 22
16) Acetone	3.936	43	27	7.941	ug/l	# 46
23) Vinyl Acetate	5.856	43	19	1.003	ug/l	# 74
24) 1,1-Dichloroethane	6.283	63	21	1.135	ug/l	# 84
27) cis-1,2-Dichloroethene	6.923	96	18	1.560	ug/l	# 1
47) Bromodichloromethane	9.758	83	34	1.744	ug/l	# 26
51) 4-Methyl-2-Pentanone	9.935	43	19	1.615	ug/l	# 39
59) 2-Hexanone	10.898	43	27	3.177	ug/l	# 27
76) 1,2,3-Trichloropropane	12.495	75	165	61.051	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	165	131.968	ug/l	# 10
92) 1,2-Dibromo-3-Chloropr...	14.117	75	19	28.414	ug/l	# 3

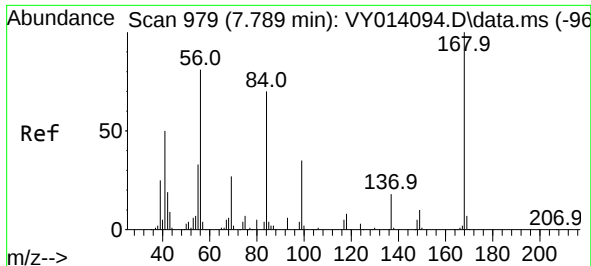
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 20 05:49:28 2023
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Quant Title : SW846 8260
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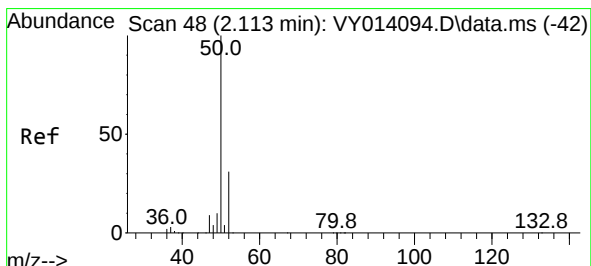
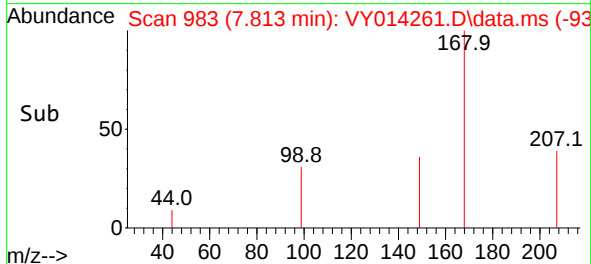
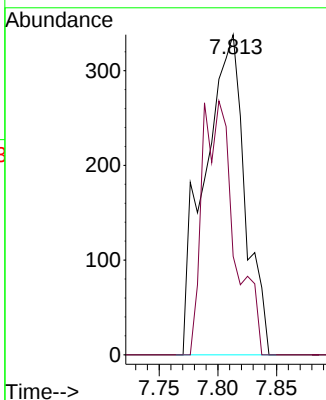
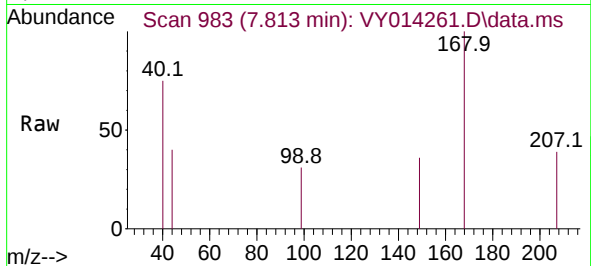




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

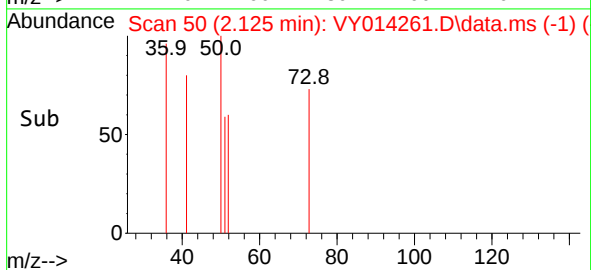
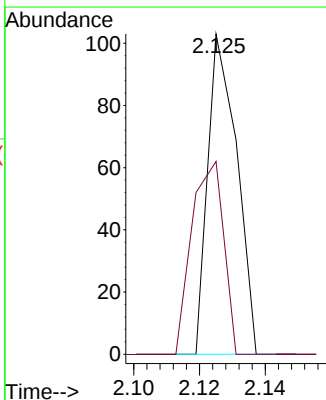
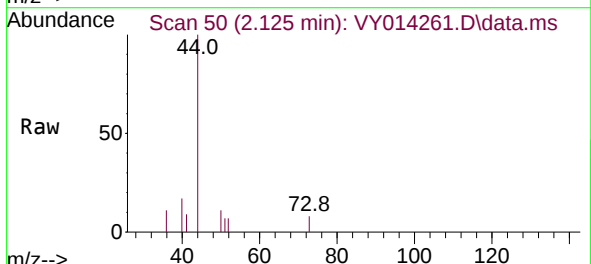
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-4.0-6.0

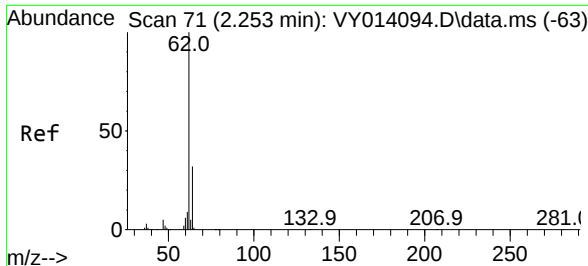
Tgt Ion:168 Resp: 810
Ion Ratio Lower Upper
168 100
99 30.8 43.4 65.0#



#3
Chloromethane
Concen: 5.504 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Tgt Ion: 50 Resp: 63
Ion Ratio Lower Upper
50 100
52 60.2 25.4 38.2#

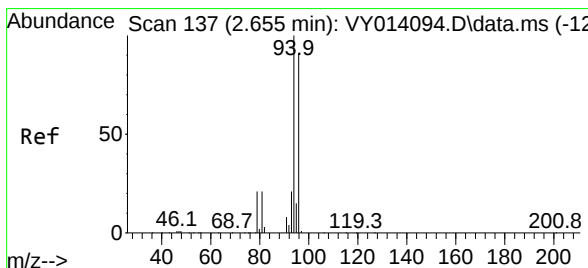
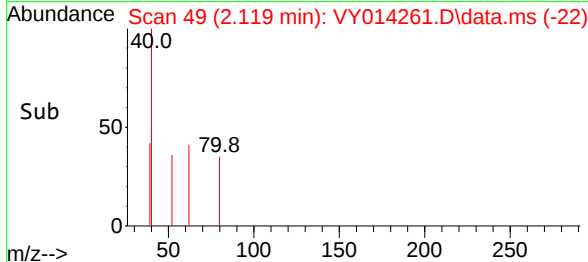
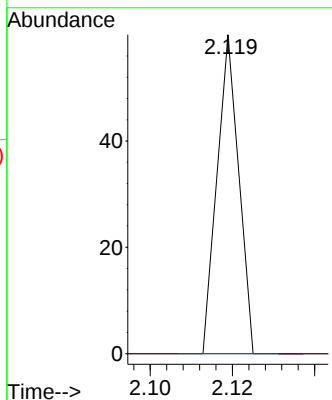
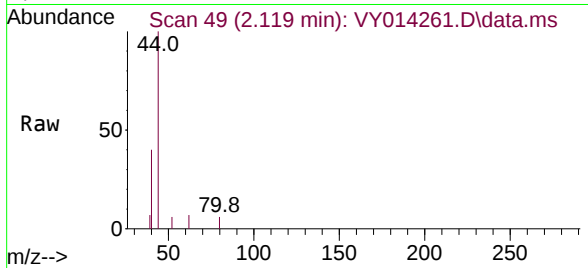




#4
 Vinyl Chloride
 Concen: 1.977 ug/l
 RT: 2.119 min Scan# 49
 Delta R.T. -0.134 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

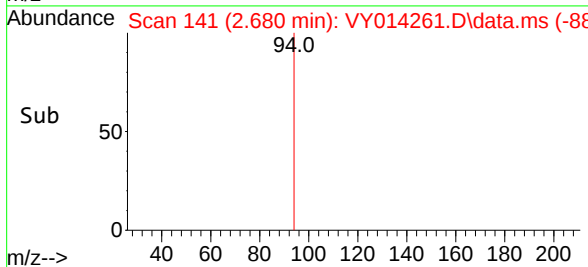
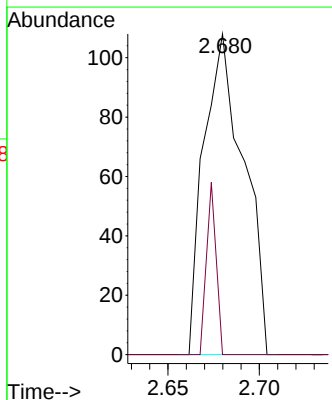
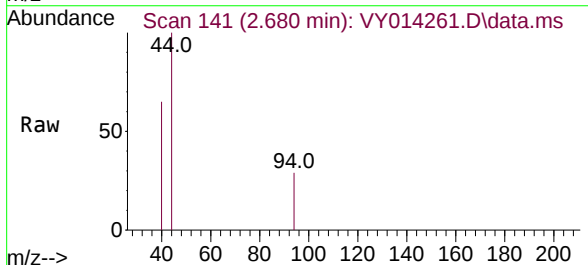
Instrument :
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 ClientSampleId :
 SB-08-4.0-6.0

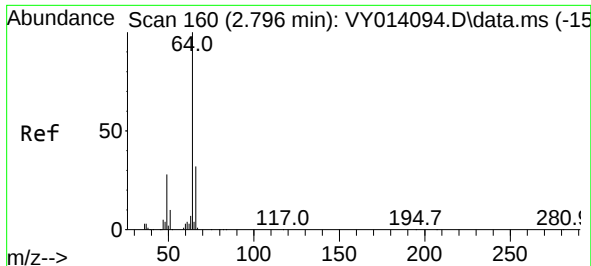
Tgt Ion: 62 Resp: 22
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.3 36.5#



#5
 Bromomethane
 Concen: 17.861 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.025 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

Tgt Ion: 94 Resp: 164
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.8 113.6#

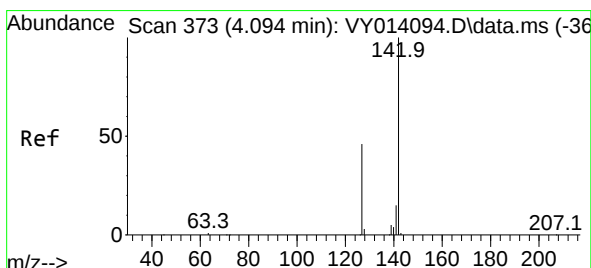
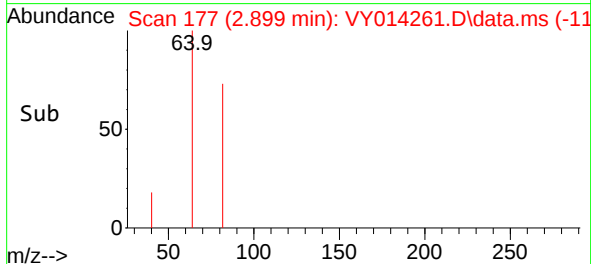
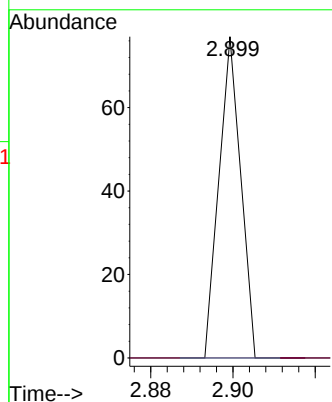
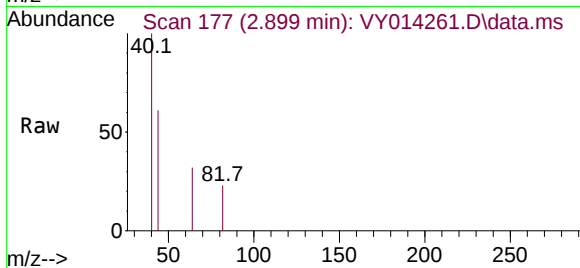




#6
Chloroethane
Concen: 3.703 ug/l
RT: 2.899 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

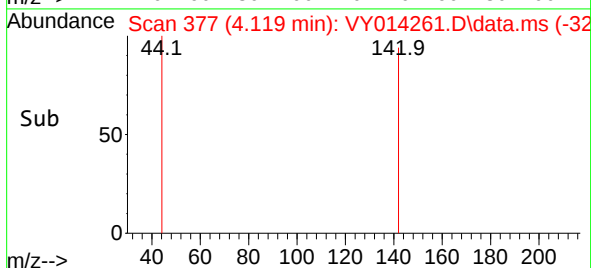
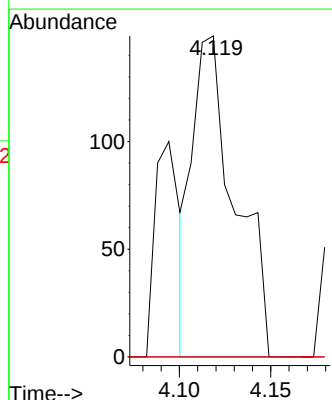
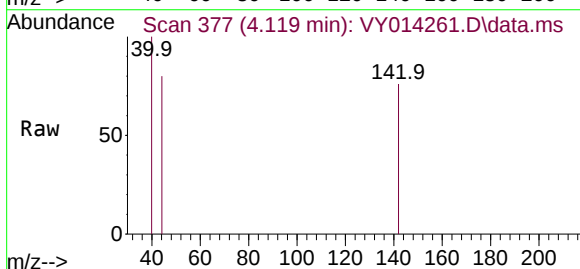
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-4.0-6.0

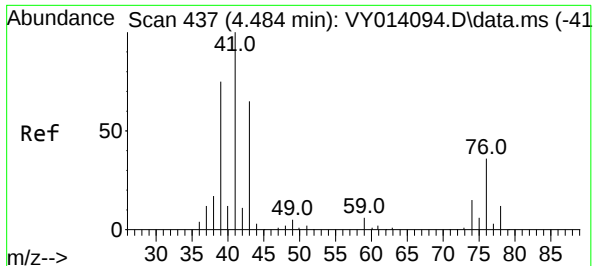
Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#10
Methyl Iodide
Concen: 20.169 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.025 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Tgt Ion: 142 Resp: 243
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#14

Allyl chloride

Concen: 1.312 ug/l

RT: 4.673 min Scan# 41

Delta R.T. 0.189 min

Lab File: VY014261.D

Acq: 20 Jun 2023 05:26

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-4.0-6.0

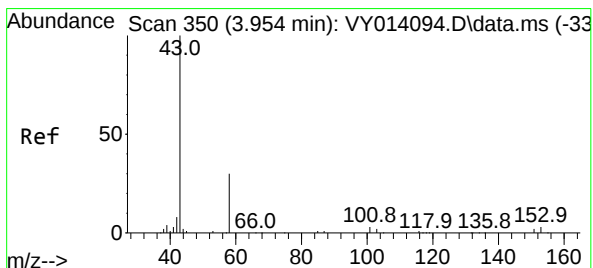
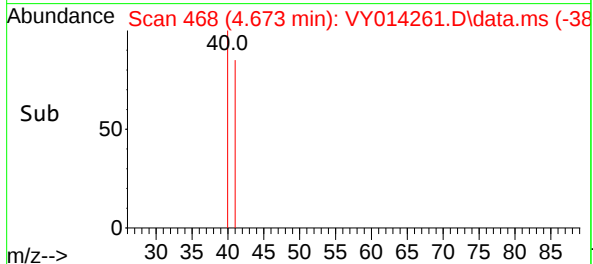
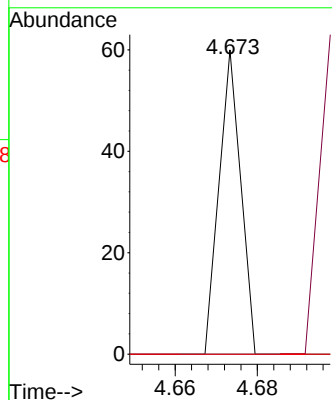
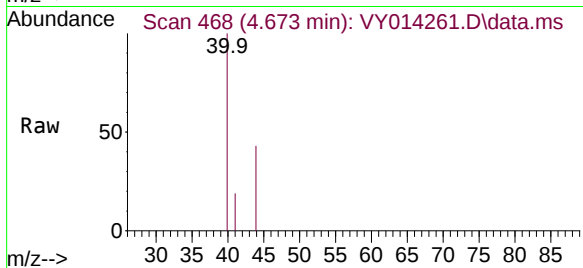
Tgt Ion: 41 Resp: 22

Ion Ratio Lower Upper

41 100

39 0.0 58.0 87.0#

76 0.0 27.4 41.2#



#16

Acetone

Concen: 7.941 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.018 min

Lab File: VY014261.D

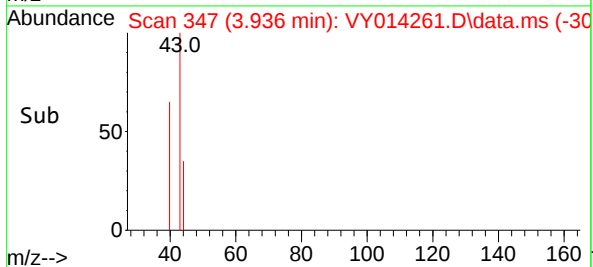
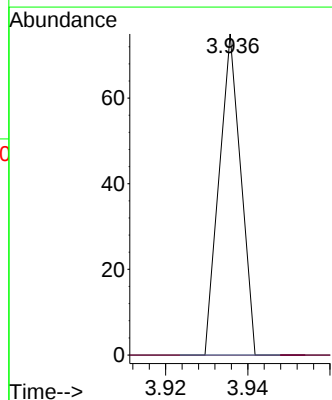
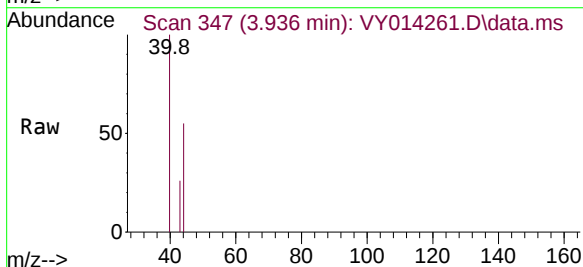
Acq: 20 Jun 2023 05:26

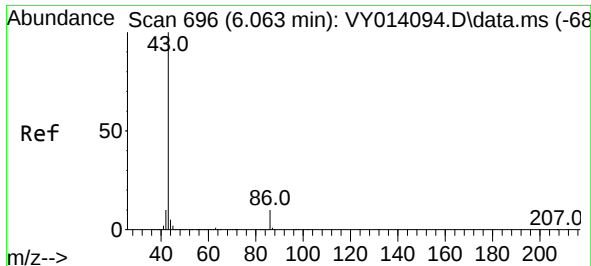
Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#

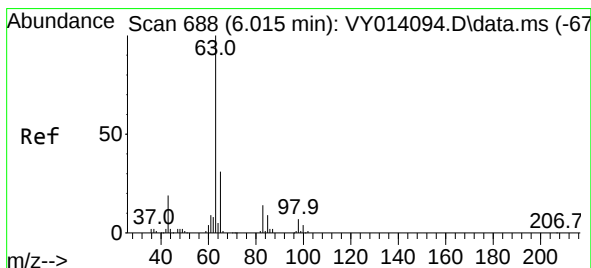
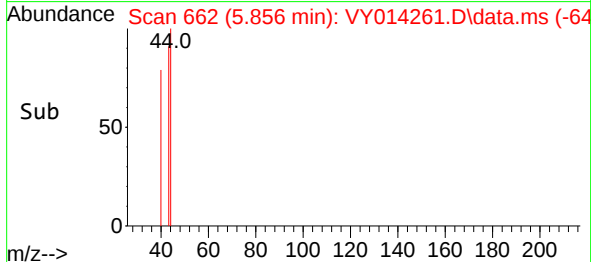
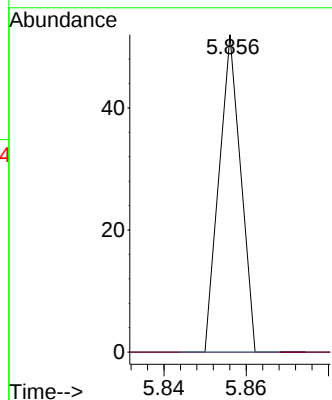
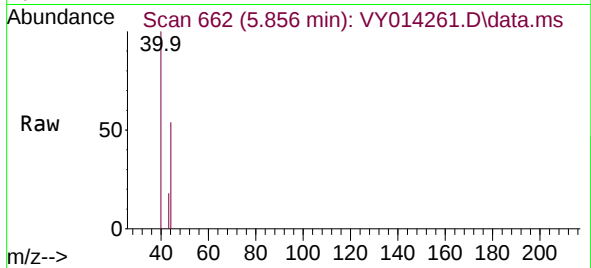




#23
 Vinyl Acetate
 Concen: 1.003 ug/l
 RT: 5.856 min Scan# 61
 Delta R.T. -0.207 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

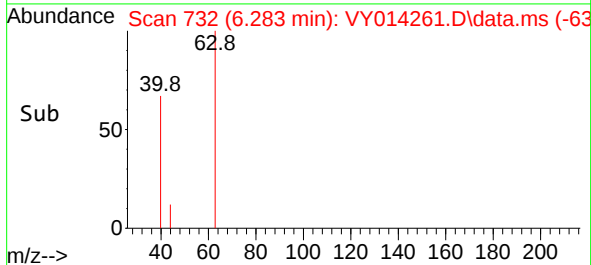
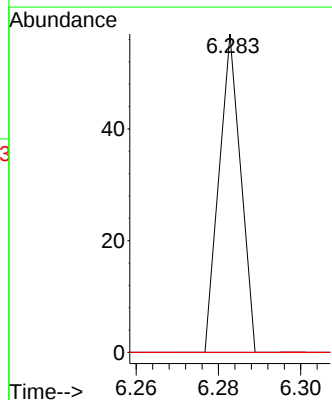
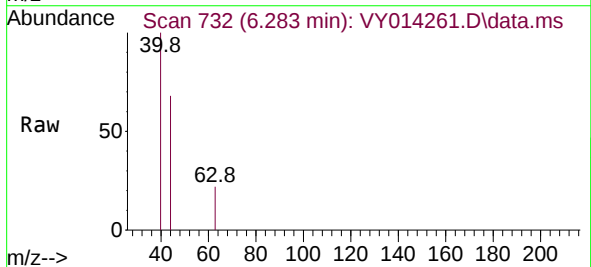
Instrument :
 MSVOA_Y
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 SB-08-4.0-6.0

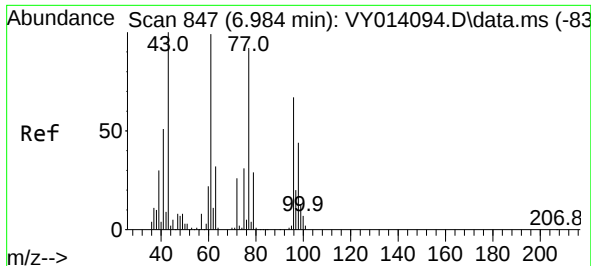
Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#24
 1,1-Dichloroethane
 Concen: 1.135 ug/l
 RT: 6.283 min Scan# 732
 Delta R.T. 0.268 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

Tgt Ion: 63 Resp: 21
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.1 9.4#
 100 0.0 1.8 5.5#

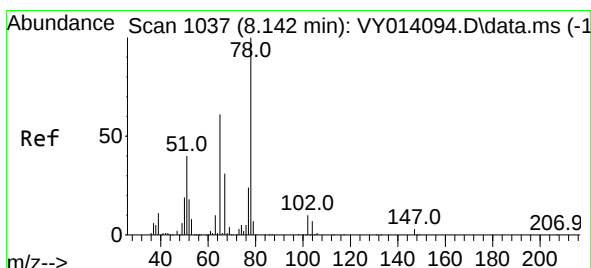
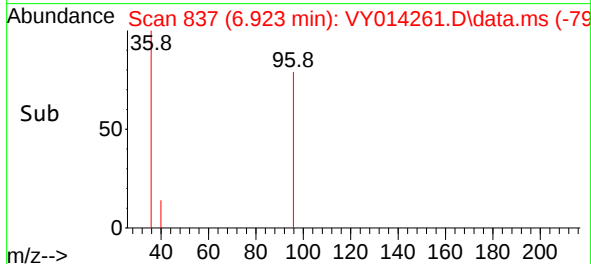
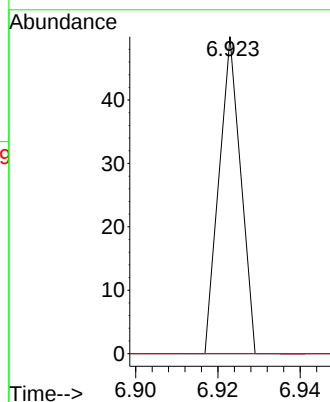
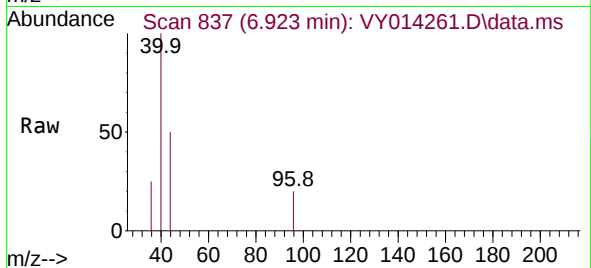




#27
 cis-1,2-Dichloroethene
 Concen: 1.560 ug/l
 RT: 6.923 min Scan# 81
 Delta R.T. -0.061 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

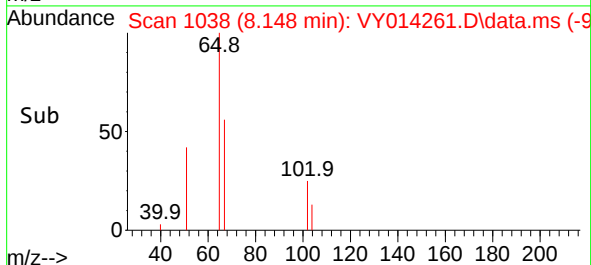
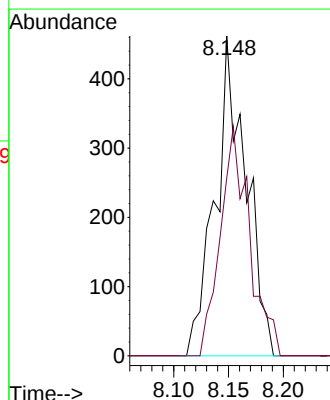
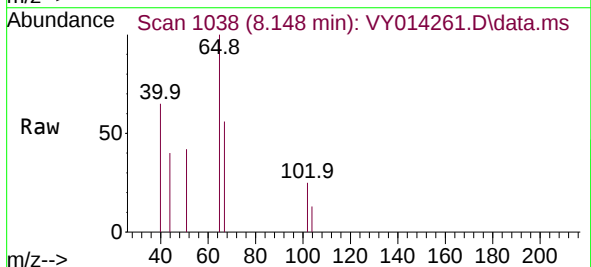
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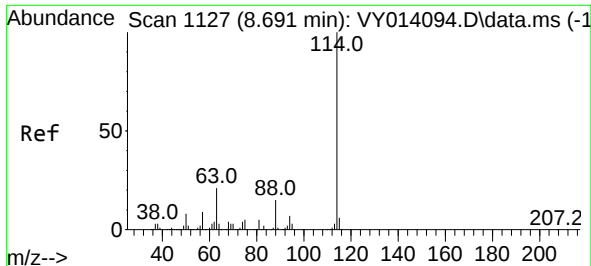
Tgt Ion: 96 Resp: 18
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 301.4
 98 0.0 0.0 130.4



#33
 1,2-Dichloroethane-d4
 Concen: 80.058 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

Tgt Ion: 65 Resp: 903
 Ion Ratio Lower Upper
 65 100
 67 67.9 0.0 101.8

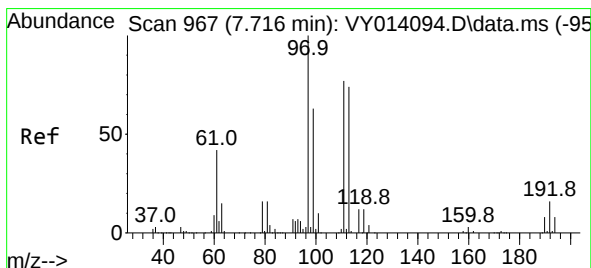
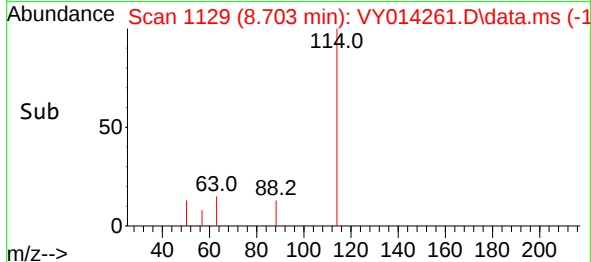
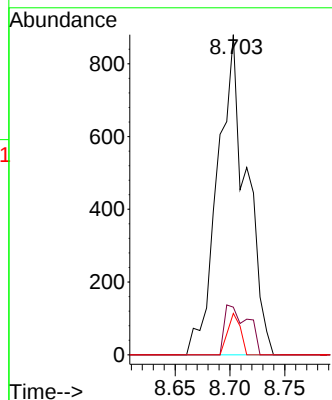
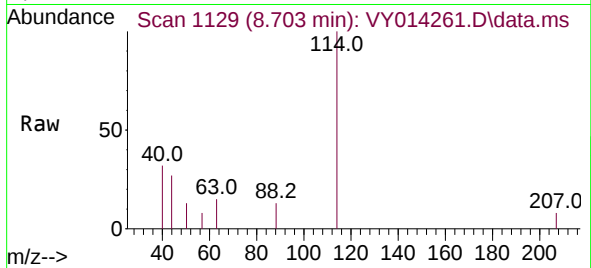




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.012 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

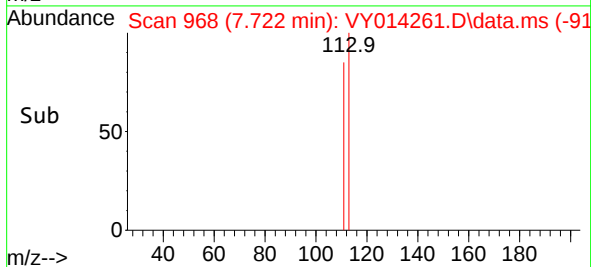
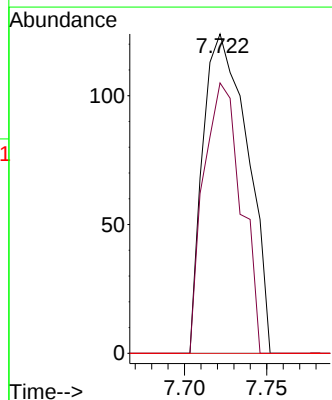
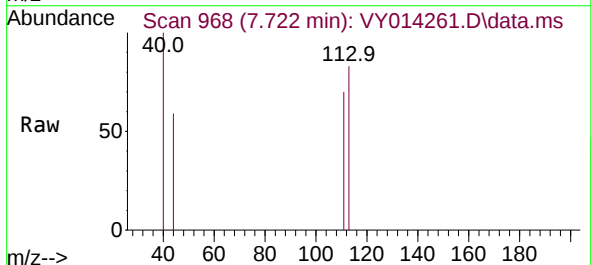
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 SB-08-4.0-6.0

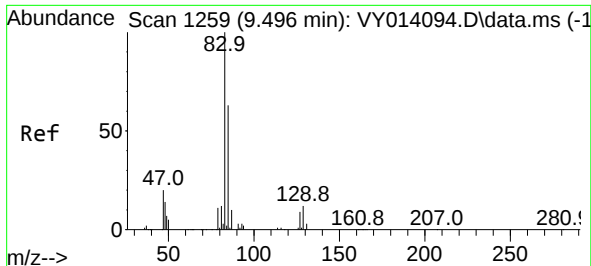
Tgt Ion:114	Resp:	1620
Ion	Ratio	Lower Upper
114	100	
63	14.9	0.0 42.4
88	13.0	0.0 30.6



#35
 Dibromofluoromethane
 Concen: 20.368 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014261.D
 Acq: 20 Jun 2023 05:26

Tgt Ion:113	Resp:	234
Ion	Ratio	Lower Upper
113	100	
111	71.4	81.3 121.9#
192	0.0	16.9 25.3#

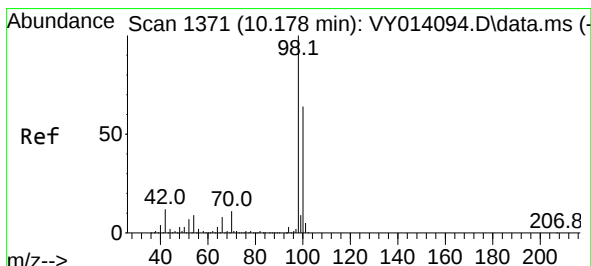
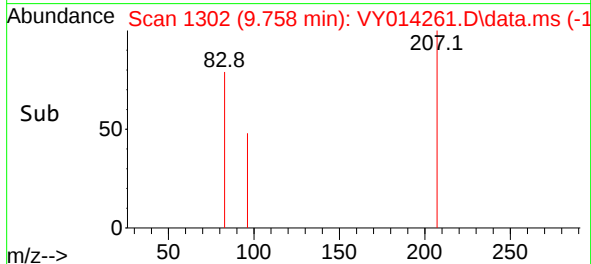
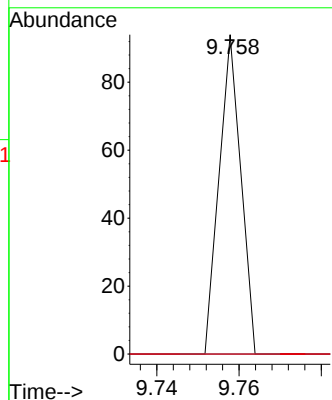
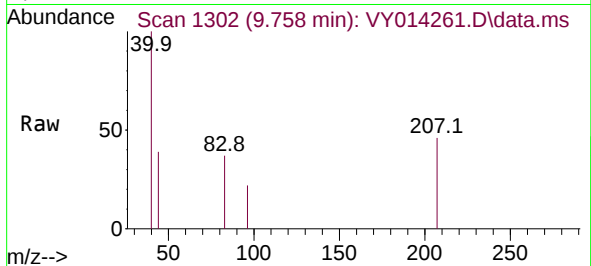




#47
Bromodichloromethane
Concen: 1.744 ug/l
RT: 9.758 min Scan# 11
Delta R.T. 0.262 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

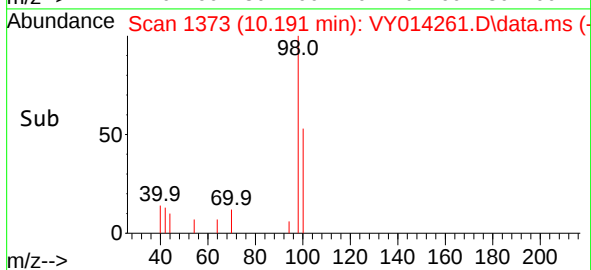
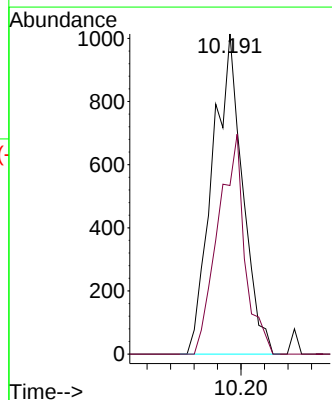
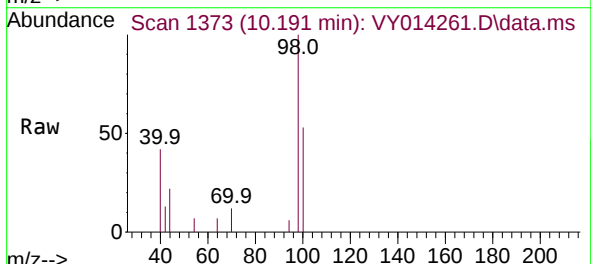
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-4.0-6.0

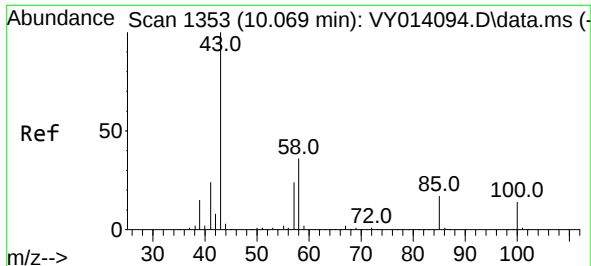
Tgt Ion: 83 Resp: 34
Ion Ratio Lower Upper
83 100
85 0.0 50.1 75.1#
127 0.0 7.1 10.7#



#50
Toluene-d8
Concen: 42.094 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Tgt Ion: 98 Resp: 1808
Ion Ratio Lower Upper
98 100
100 61.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 1.615 ug/l

RT: 9.935 min Scan# 11

Delta R.T. -0.134 min

Lab File: VY014261.D

Acq: 20 Jun 2023 05:26

Instrument :

MSVOA_Y

ClientSampleId :

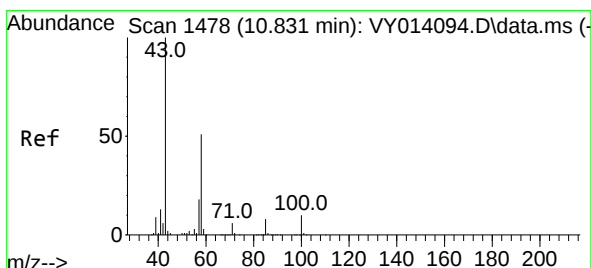
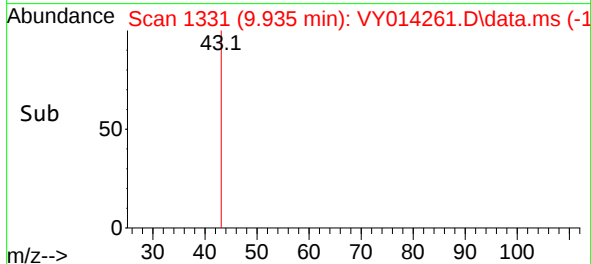
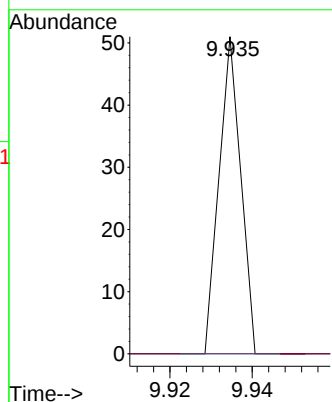
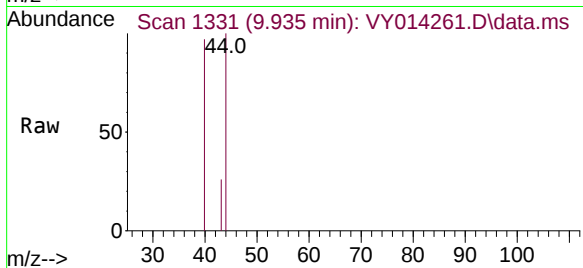
SB-08-4.0-6.0

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



#59

2-Hexanone

Concen: 3.177 ug/l

RT: 10.898 min Scan# 1489

Delta R.T. 0.067 min

Lab File: VY014261.D

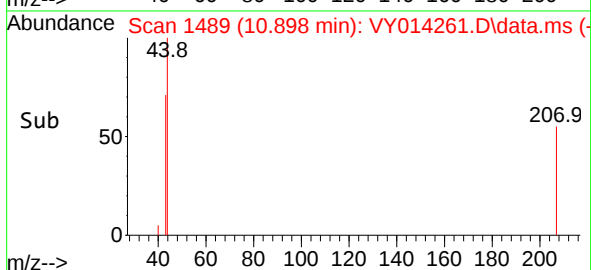
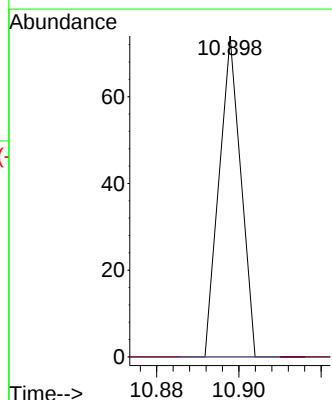
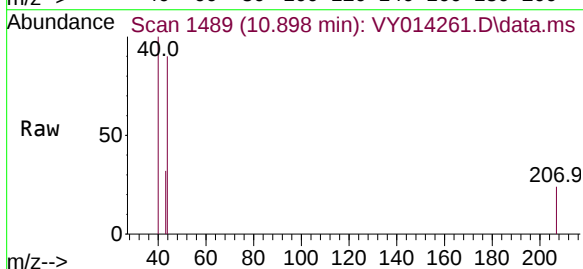
Acq: 20 Jun 2023 05:26

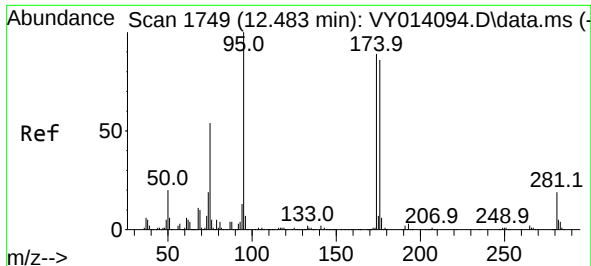
Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

58 0.0 25.1 75.3#





#62

4-Bromofluorobenzene

Concen: 24.381 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.012 min

Lab File: VY014261.D

Acq: 20 Jun 2023 05:26

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-4.0-6.0

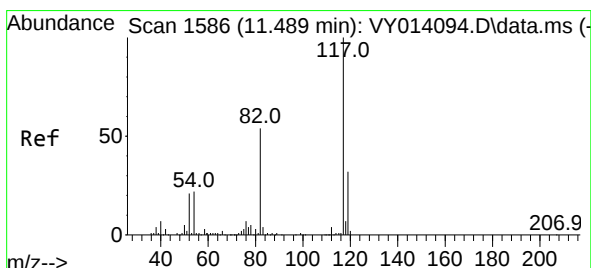
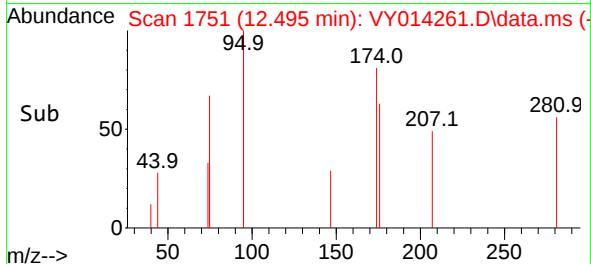
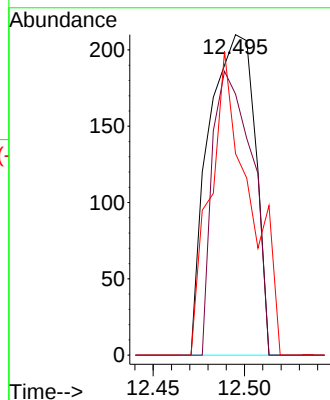
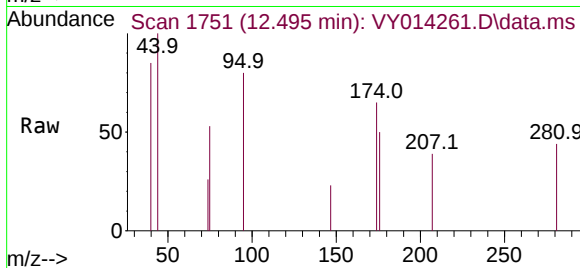
Tgt Ion: 95 Resp: 372

Ion Ratio Lower Upper

95 100

174 75.3 0.0 178.2

176 80.1 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY014261.D

Acq: 20 Jun 2023 05:26

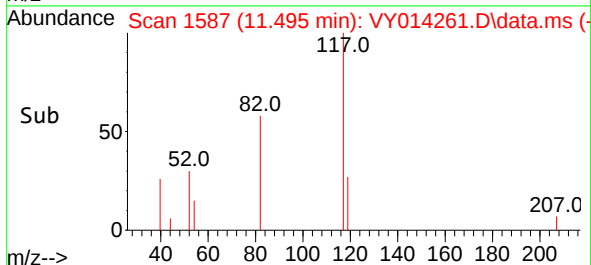
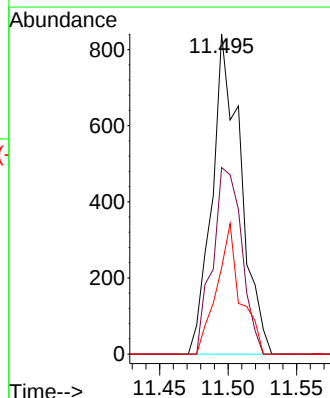
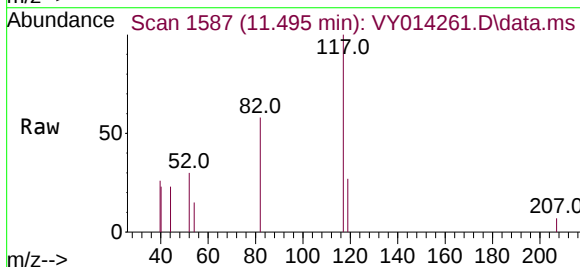
Tgt Ion: 117 Resp: 1224

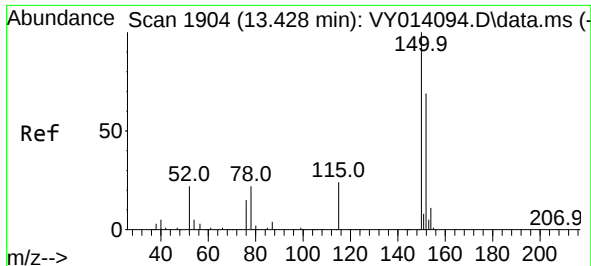
Ion Ratio Lower Upper

117 100

82 58.3 43.4 65.0

119 27.0 26.3 39.5

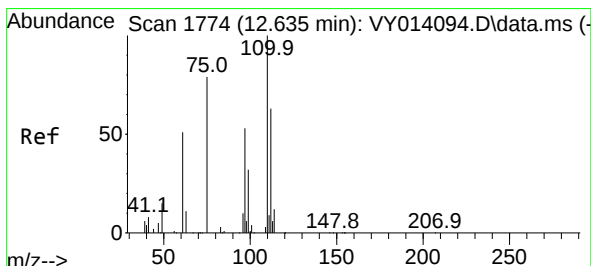
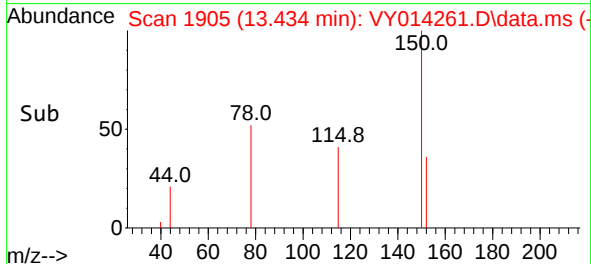
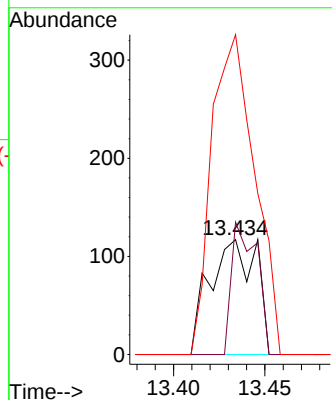
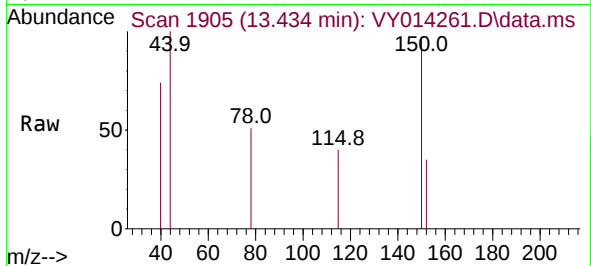




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

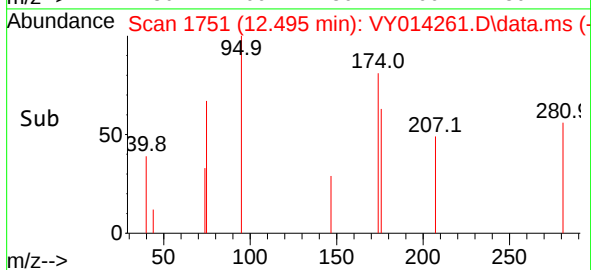
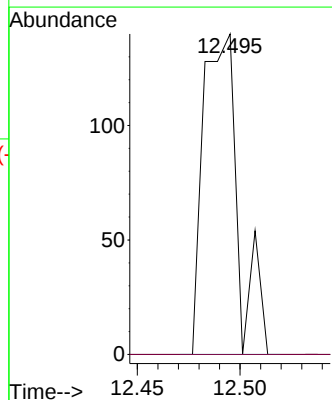
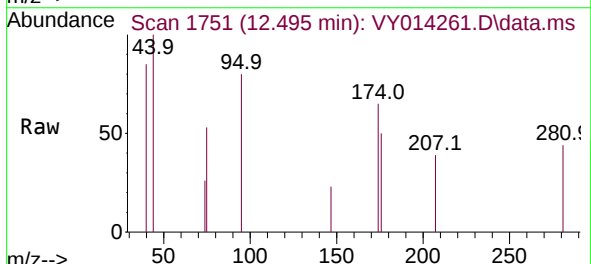
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-4.0-6.0

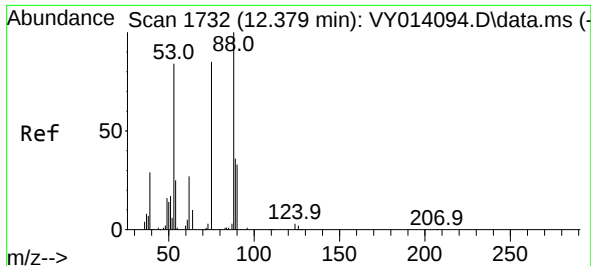
Tgt Ion:152 Resp: 206
Ion Ratio Lower Upper
152 100
115 63.1 28.8 86.5
150 259.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 61.051 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.140 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

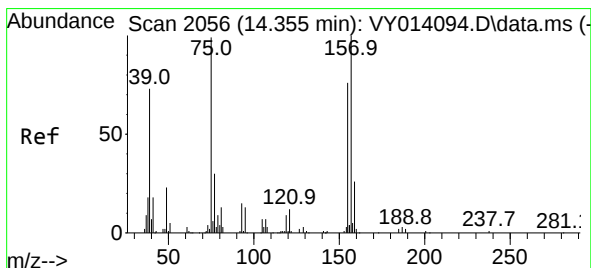
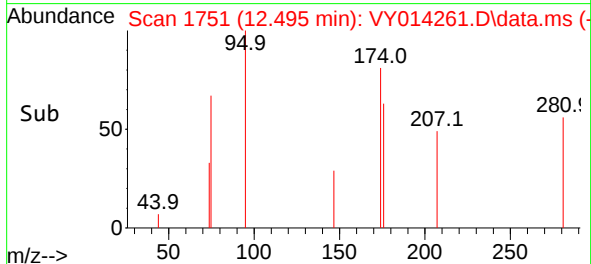
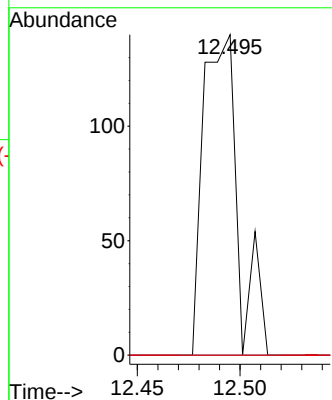
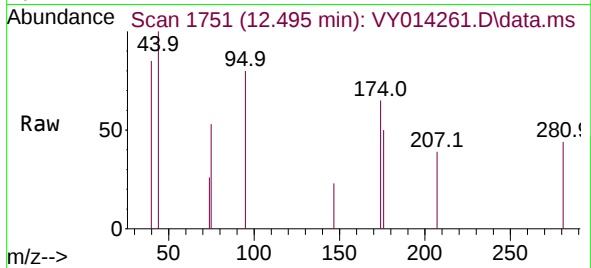




#81
trans-1,4-Dichloro-2-butene
Concen: 131.968 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Instrument :
MSVOA_Y
ClientSampleId :
SB-08-4.0-6.0

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 28.414 ug/l
RT: 14.117 min Scan# 2017
Delta R.T. -0.238 min
Lab File: VY014261.D
Acq: 20 Jun 2023 05:26

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#

