

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013973.D
 Acq On : 01 Jun 2023 18:49
 Operator : KP/MD
 Sample : 02972-01RE
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11-0A

Quant Time: Jun 02 07:29:34 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)

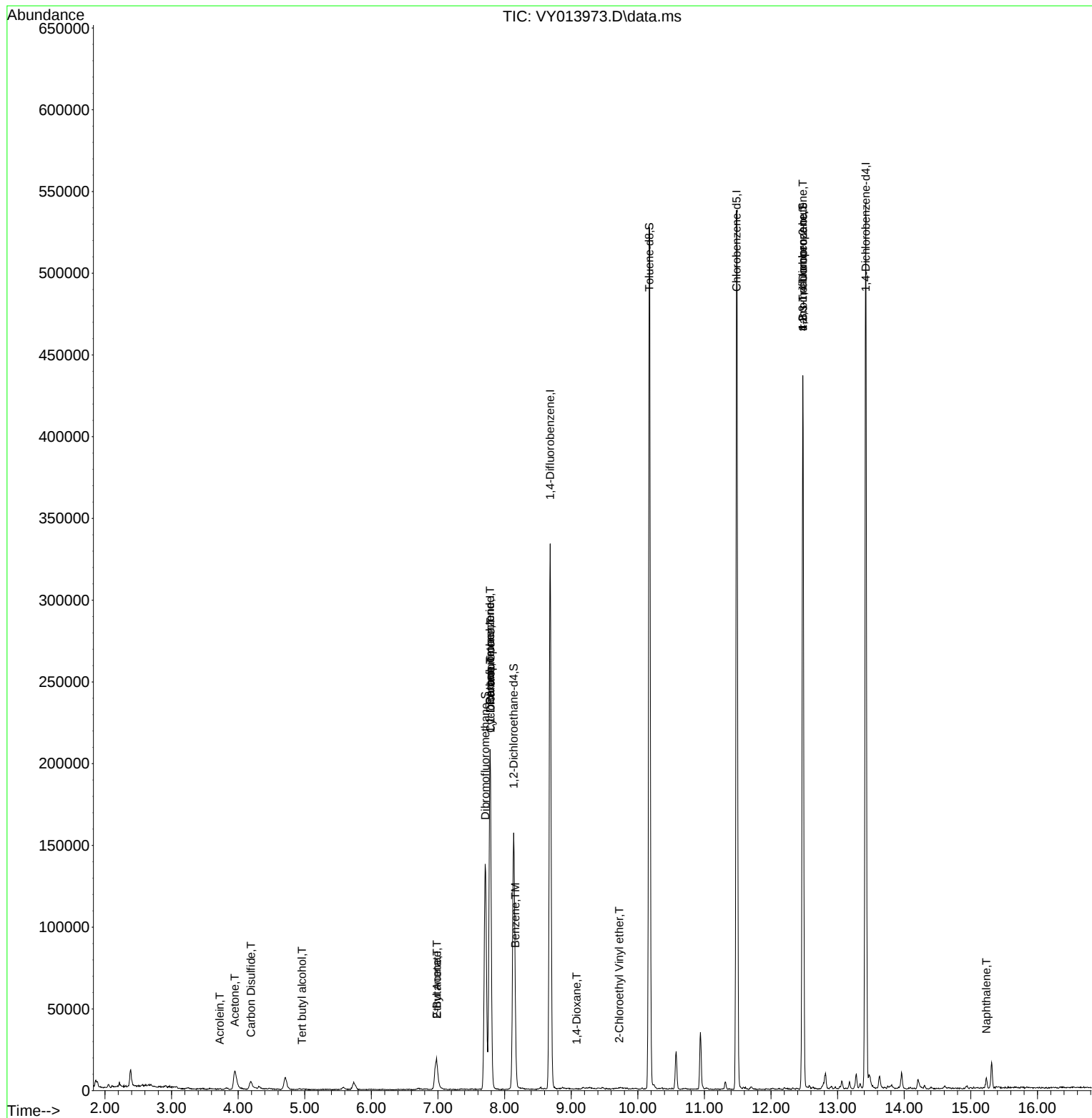
Internal Standards						
1) Pentafluorobenzene	7.783	168	160919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	274285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	283388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117694	55.250	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.500%	
35) Dibromofluoromethane	7.710	113	94973	54.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.960%	
50) Toluene-d8	10.173	98	344172	51.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	12.477	95	117167	51.689	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.380%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.960	59	590	1.348	ug/l #	89
13) Acrolein	3.723	56	289	1.442	ug/l #	65
16) Acetone	3.948	43	25870	35.496	ug/l	96
17) Carbon Disulfide	4.192	76	8579	1.640	ug/l	99
20) Methylene Chloride	4.710	84	5245	Below Cal	#	83
25) 2-Butanone	6.984	43	4912	5.410	ug/l	100
31) Cyclohexane	7.789	56	3570	1.392	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	12313	4.958	ug/l #	51
37) Ethyl Acetate	6.984	43	4912	2.269	ug/l #	69
38) Carbon Tetrachloride	7.783	117	15901	5.714	ug/l #	15
40) Benzene	8.161	78	28775	3.756	ug/l	98
49) 1,4-Dioxane	9.081	88	21	1.141	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.721	63	19	23.121	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	66363	36.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66363	76.804	ug/l #	11
95) Naphthalene	15.233	128	4992	4.605	ug/l #	94

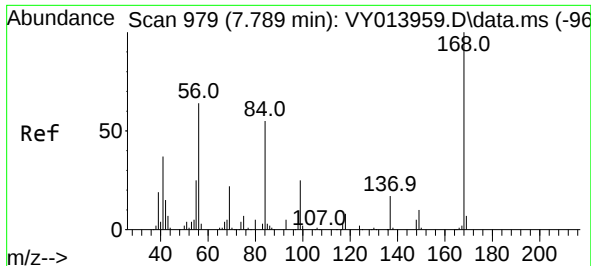
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-11-0A

Quant Time: Jun 02 07:29:34 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

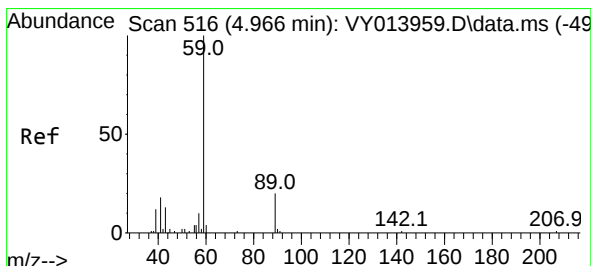
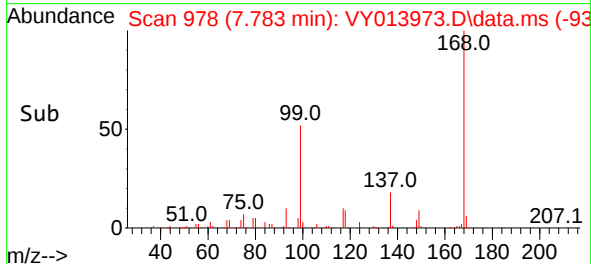
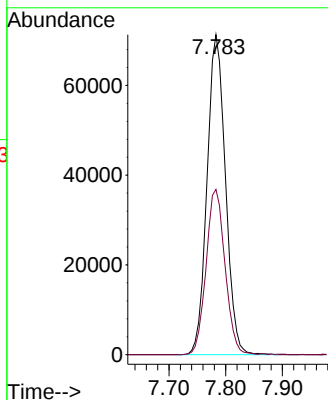
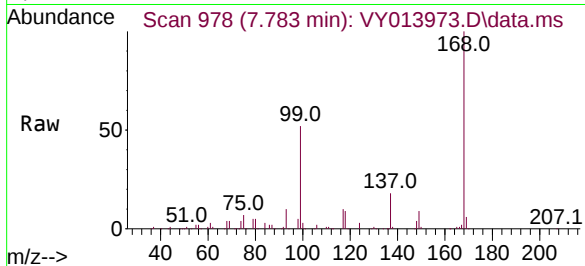




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

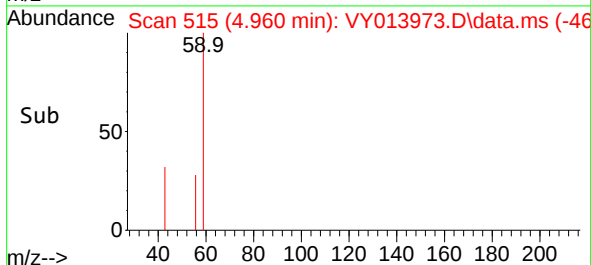
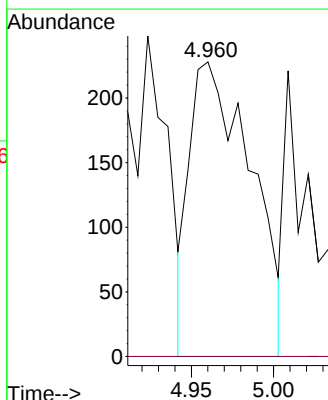
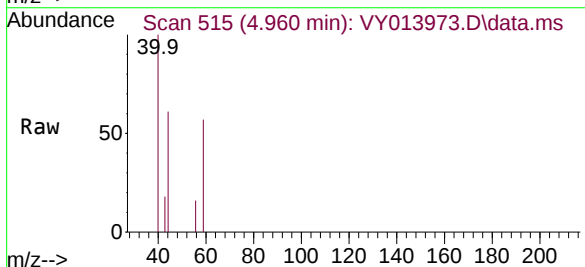
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

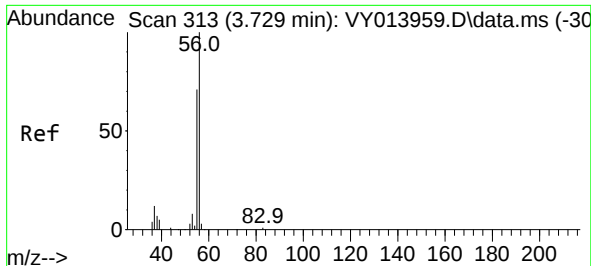
Tgt Ion:168 Resp: 160919
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.348 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 59 Resp: 590
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.442 ug/l

RT: 3.723 min Scan# 313

Delta R.T. -0.006 min

Lab File: VY013973.D

Acq: 01 Jun 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

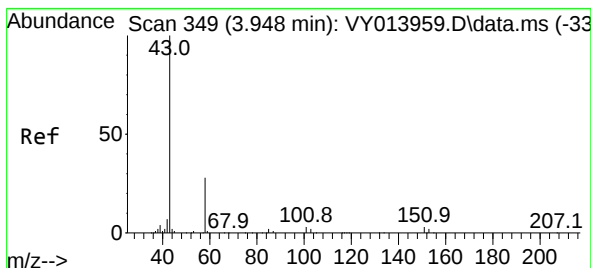
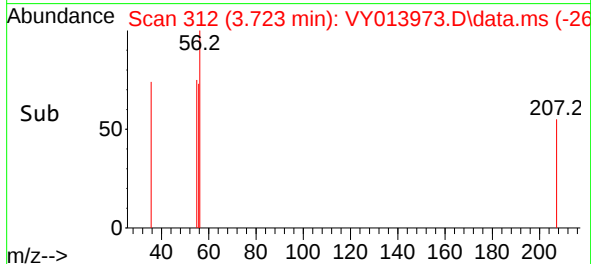
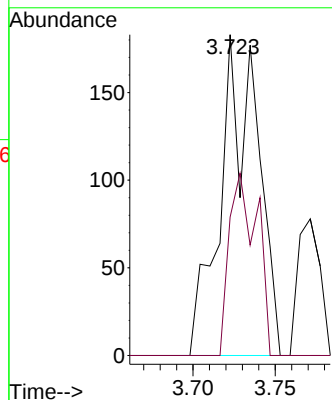
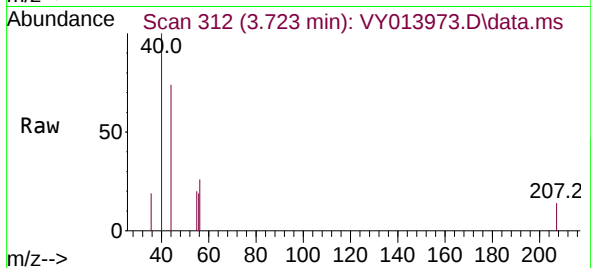
TP-11-0A

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 42.6 57.0 85.4#



#16

Acetone

Concen: 35.496 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013973.D

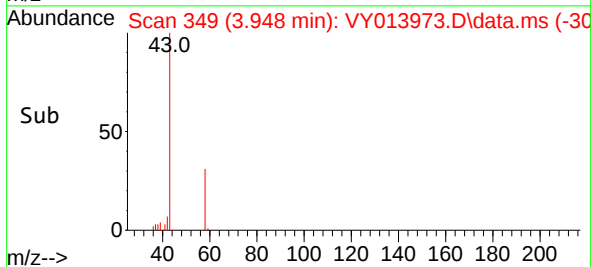
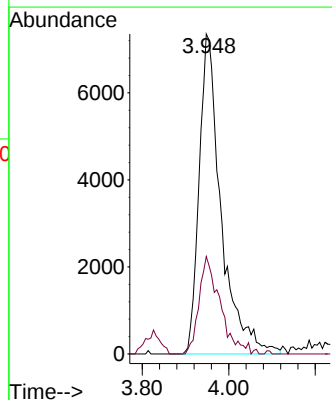
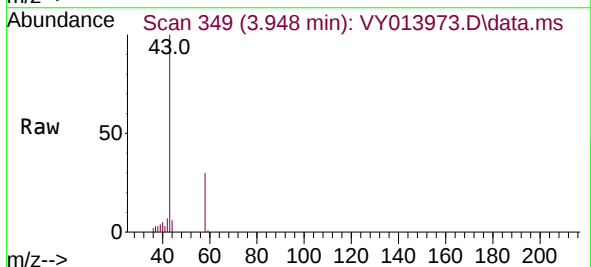
Acq: 01 Jun 2023 18:49

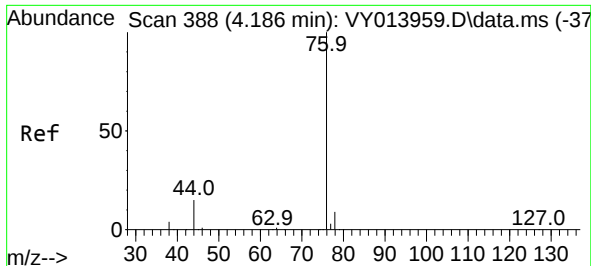
Tgt Ion: 43 Resp: 25870

Ion Ratio Lower Upper

43 100

58 30.4 22.7 34.1

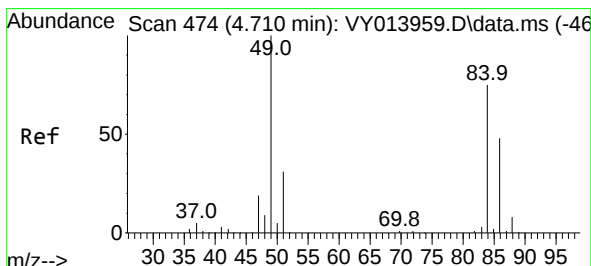
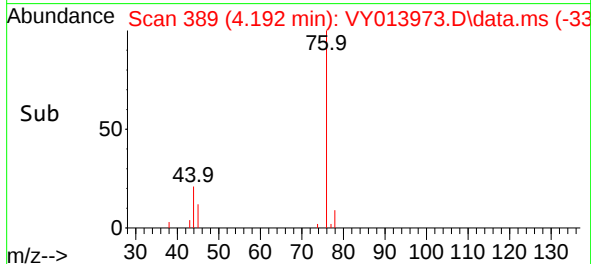
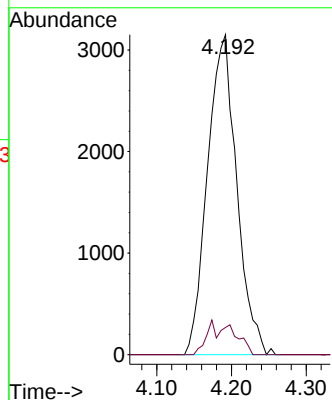
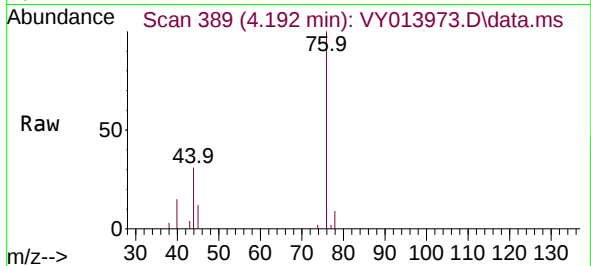




#17
Carbon Disulfide
Concen: 1.640 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

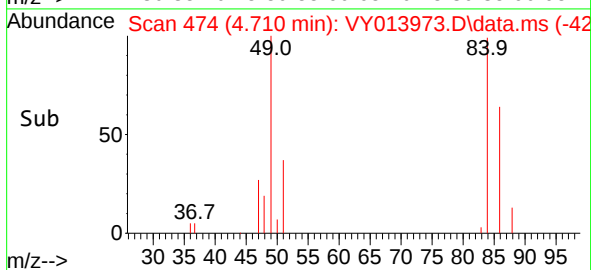
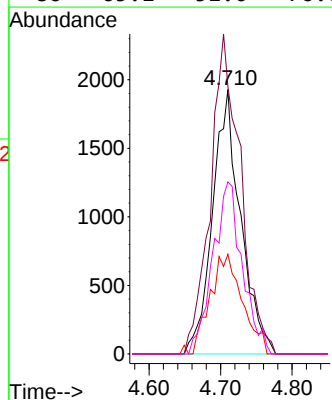
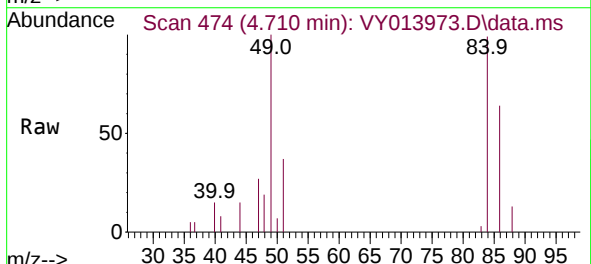
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

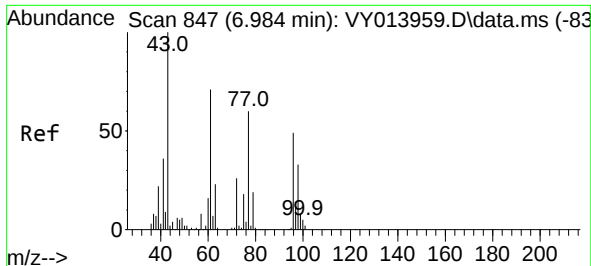
Tgt Ion: 76 Resp: 8579
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 84 Resp: 5245
Ion Ratio Lower Upper
84 100
49 101.3 106.9 160.3#
51 37.7 33.2 49.8
86 65.1 51.0 76.6

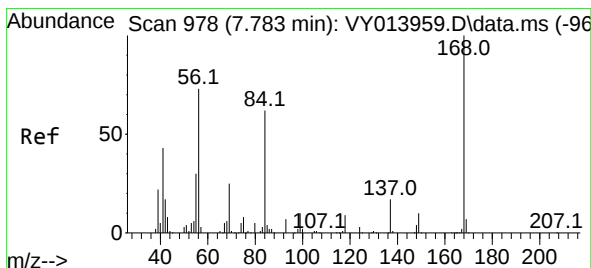
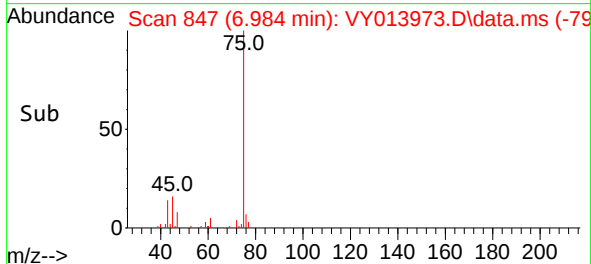
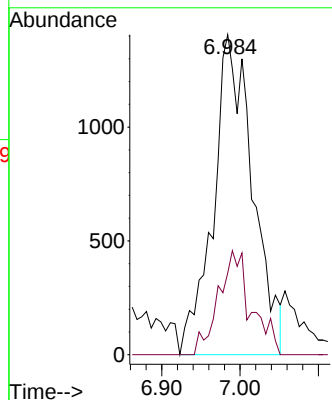
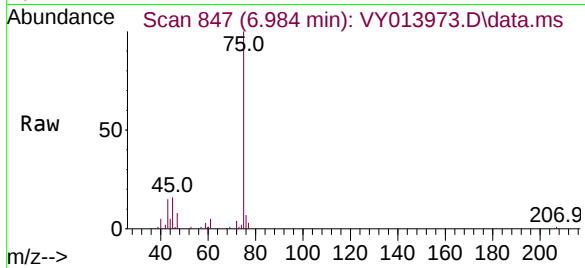




#25
2-Butanone
Concen: 5.410 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

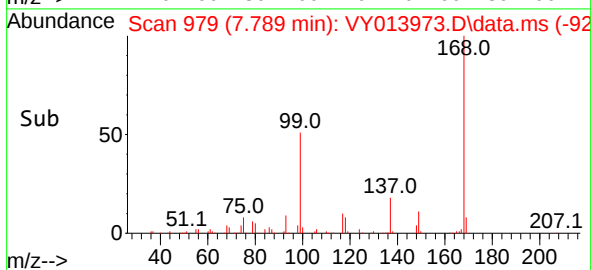
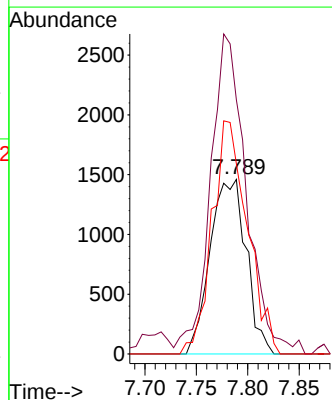
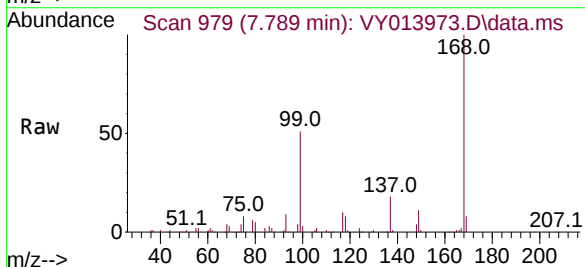
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

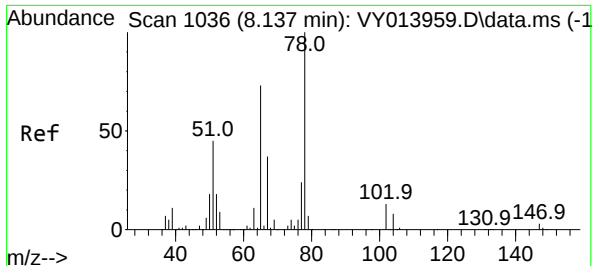
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
72 25.5 20.5 30.7



#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 137.0 27.8 41.6#
84 108.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.250 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013973.D

Acq: 01 Jun 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

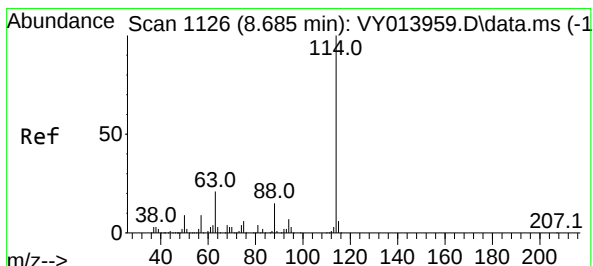
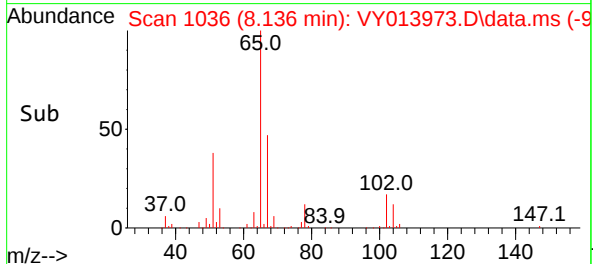
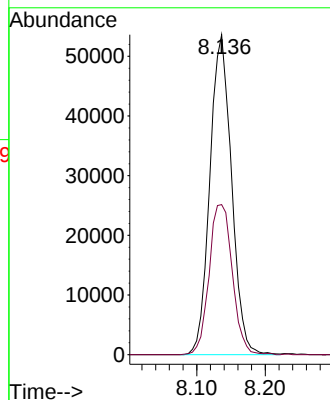
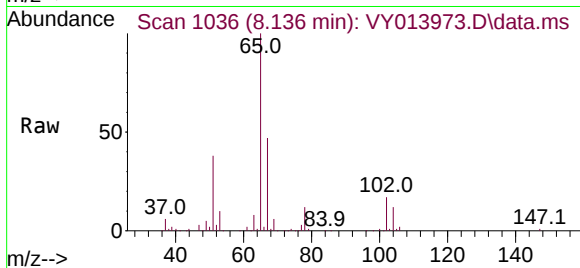
TP-11-0A

Tgt Ion: 65 Resp: 117694

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013973.D

Acq: 01 Jun 2023 18:49

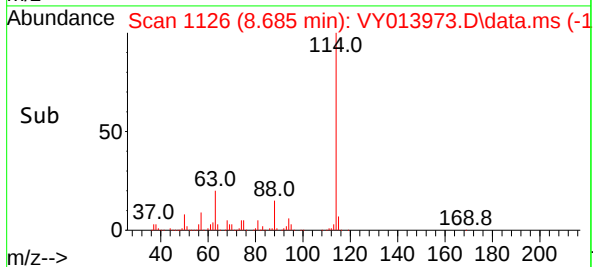
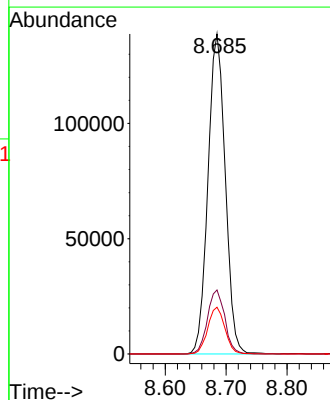
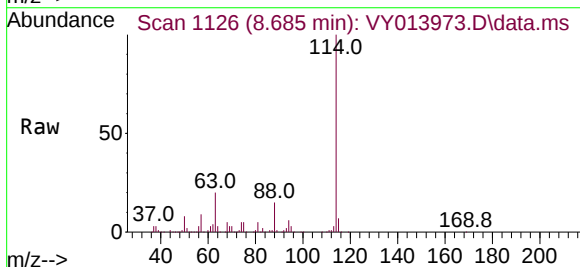
Tgt Ion: 114 Resp: 274285

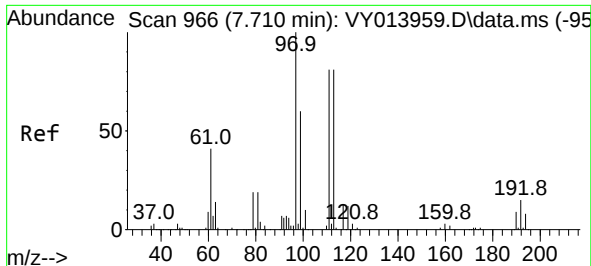
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.6 0.0 30.6

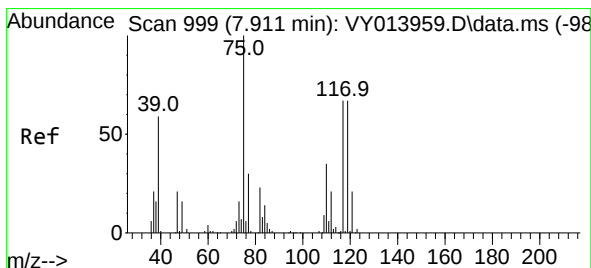
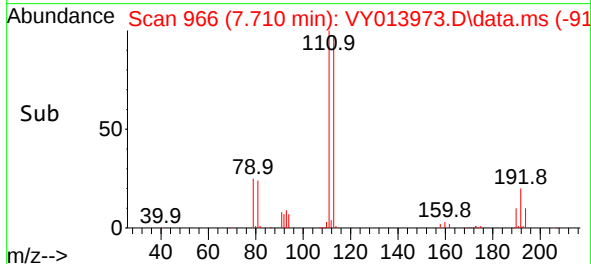
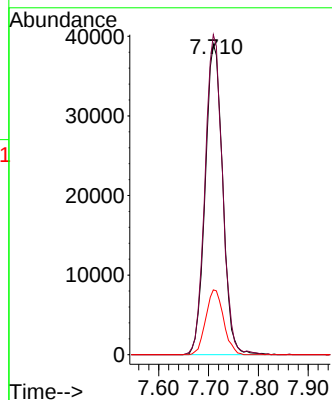
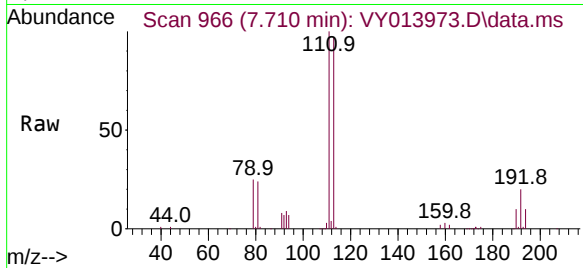




#35
Dibromofluoromethane
Concen: 54.485 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

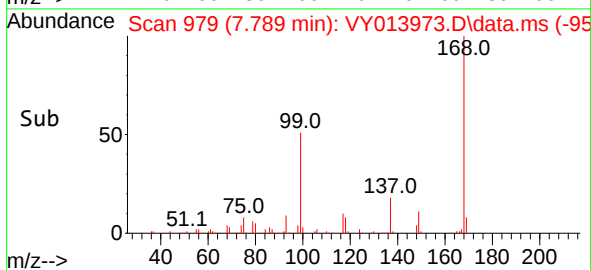
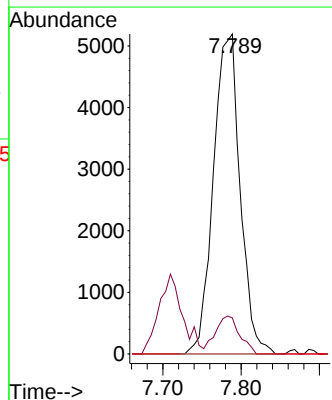
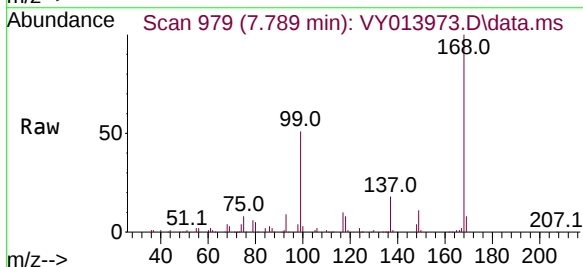
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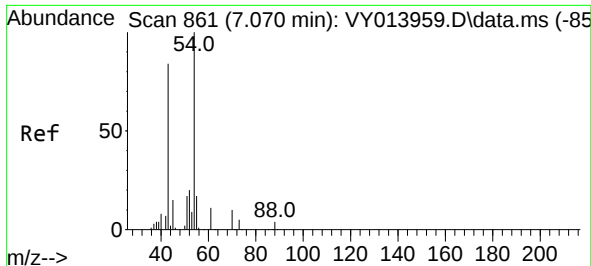
Tgt Ion:113 Resp: 94973
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 75 Resp: 12313
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

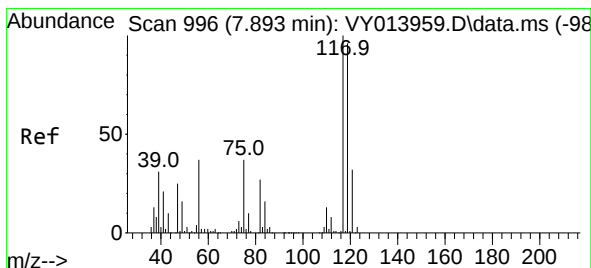
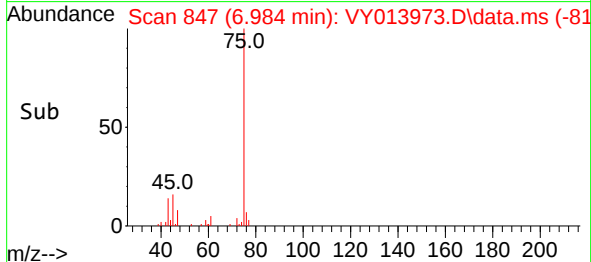
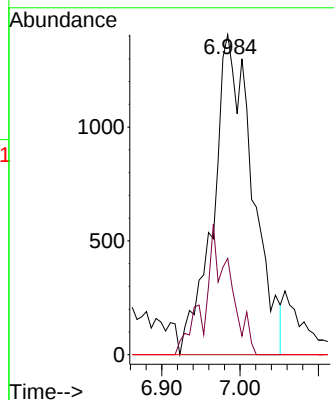
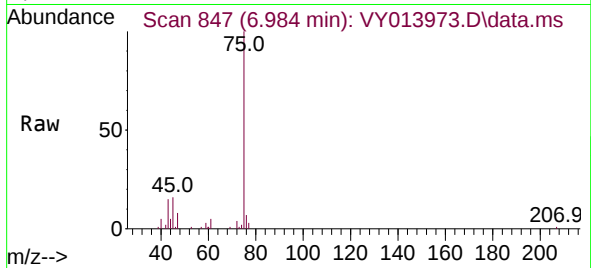




#37
Ethyl Acetate
Concen: 2.269 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

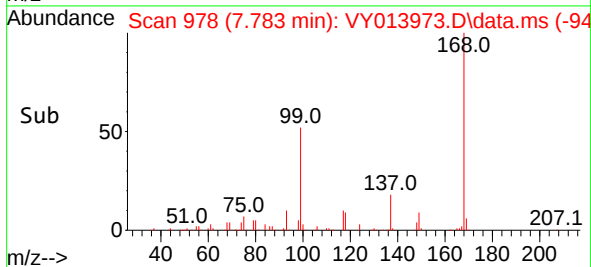
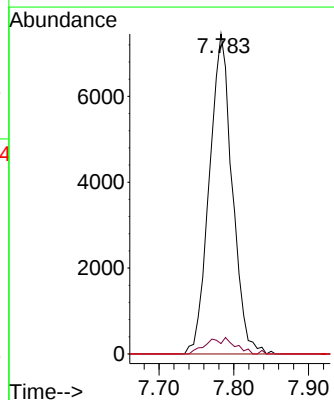
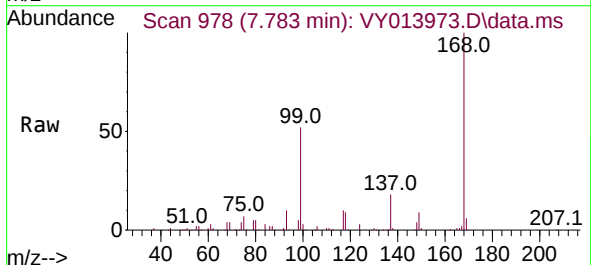
Instrument :
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TP-11-0A

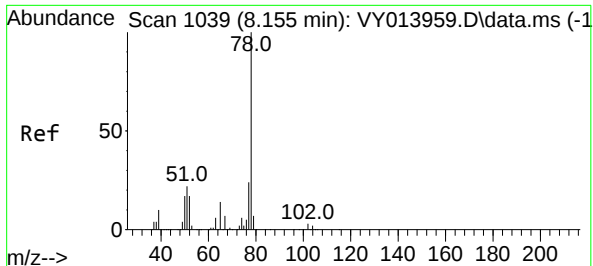
Tgt Ion: 43 Resp: 4912
Ion Ratio Lower Upper
43 100
61 26.4 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.714 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 117 Resp: 15901
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#

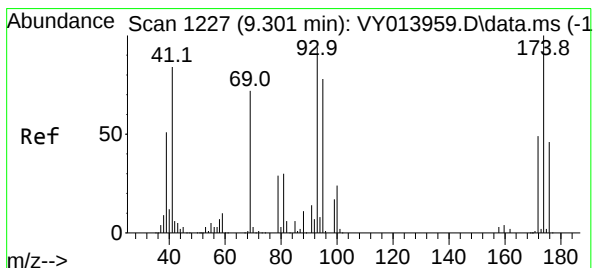
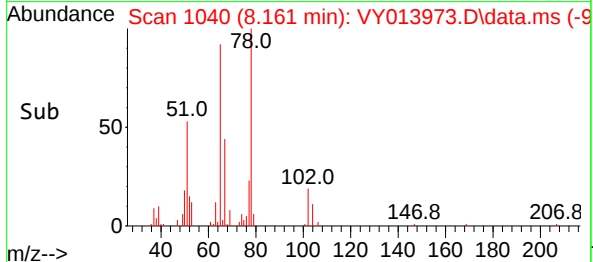
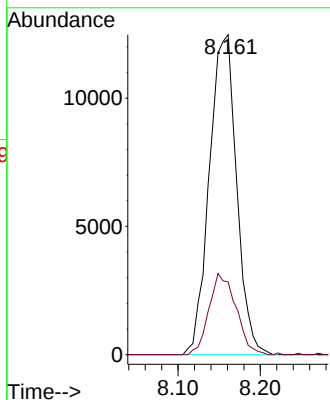
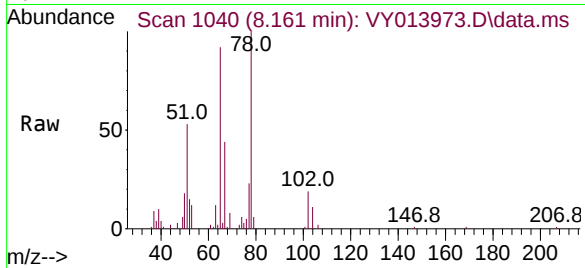




#40
Benzene
Concen: 3.756 ug/l
RT: 8.161 min Scan# 1191
Delta R.T. 0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

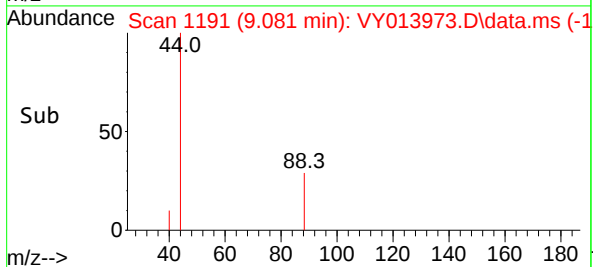
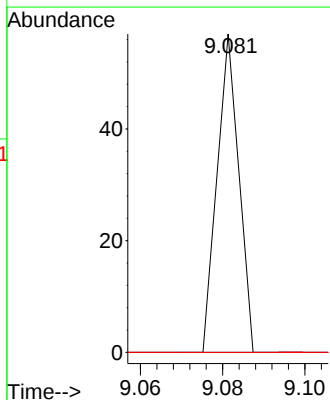
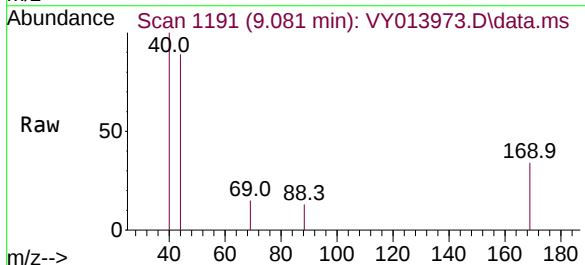
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

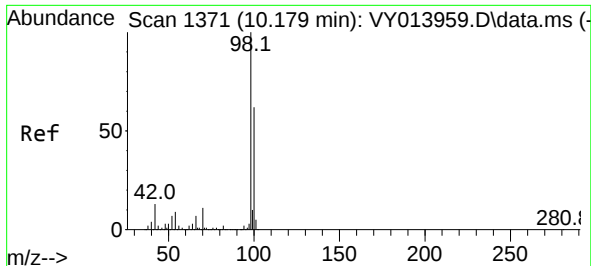
Tgt Ion: 78 Resp: 28775
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6



#49
1,4-Dioxane
Concen: 1.141 ug/l
RT: 9.081 min Scan# 1191
Delta R.T. -0.220 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

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#

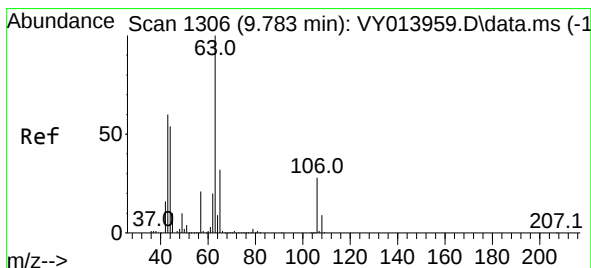
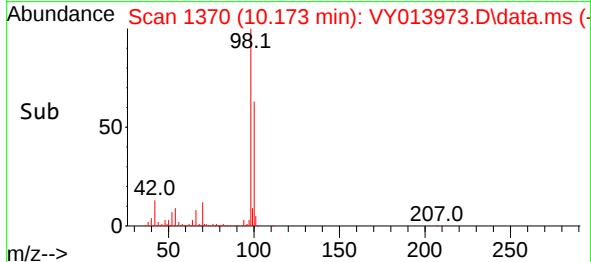
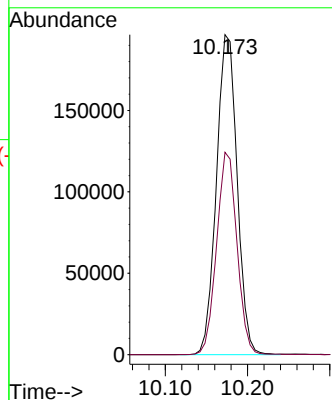
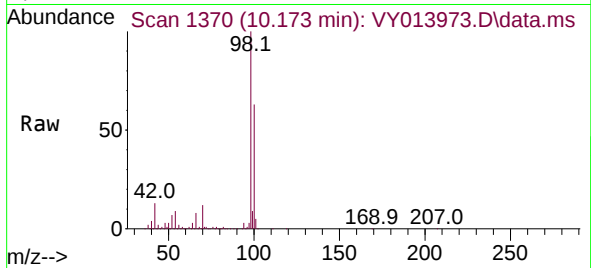




#50
Toluene-d8
Concen: 51.763 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

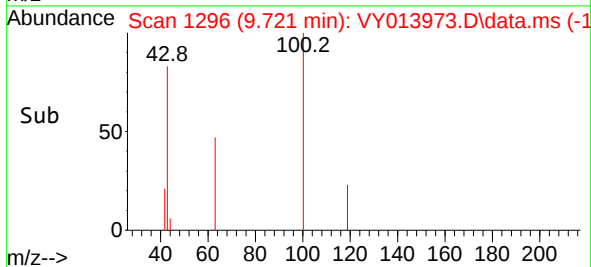
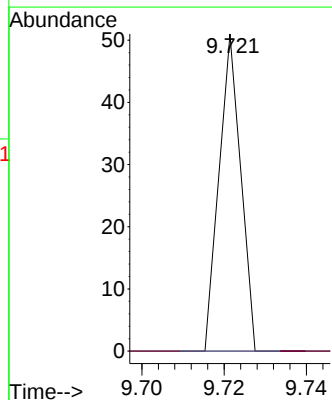
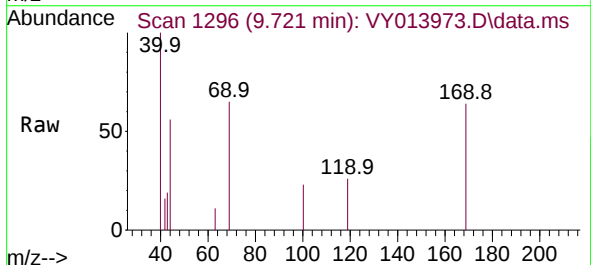
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

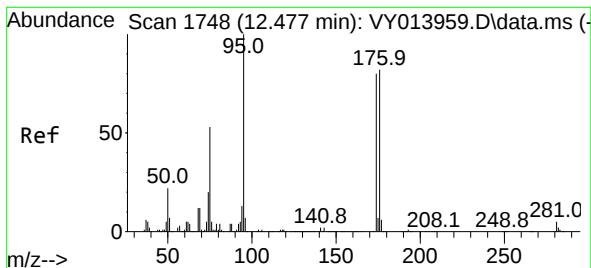
Tgt Ion: 98 Resp: 344172
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.121 ug/l
RT: 9.721 min Scan# 1296
Delta R.T. -0.062 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#





#62

4-Bromofluorobenzene

Concen: 51.689 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013973.D

Acq: 01 Jun 2023 18:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-11-0A

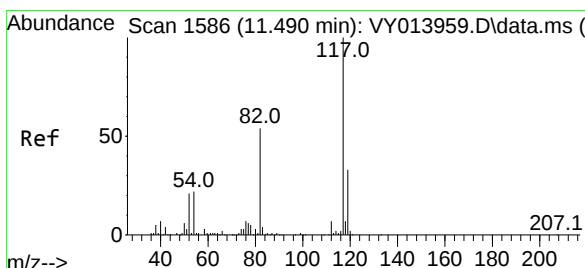
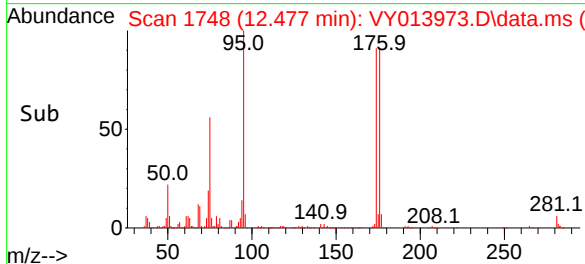
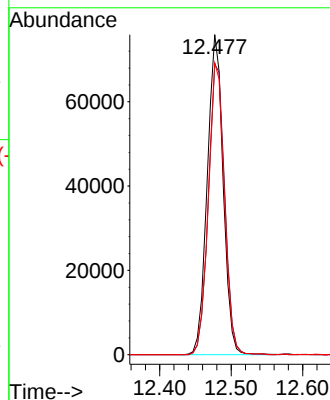
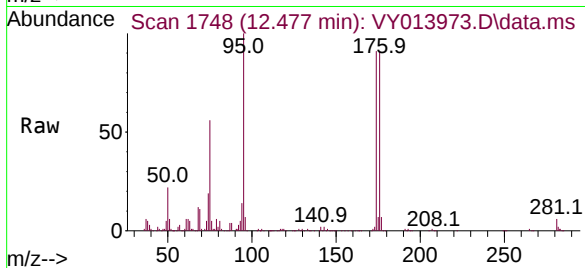
Tgt Ion: 95 Resp: 117167

Ion Ratio Lower Upper

95 100

174 93.7 0.0 178.2

176 91.8 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1585

Delta R.T. -0.006 min

Lab File: VY013973.D

Acq: 01 Jun 2023 18:49

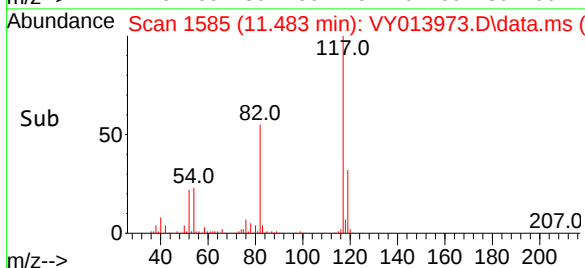
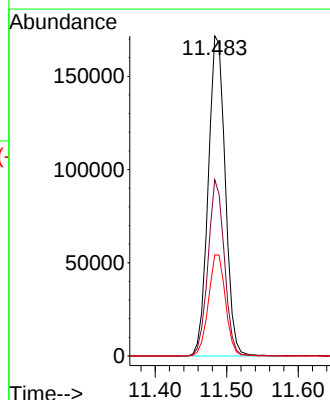
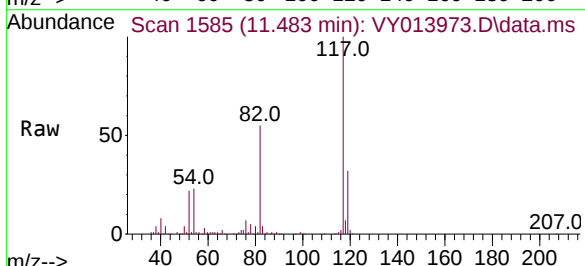
Tgt Ion: 117 Resp: 283388

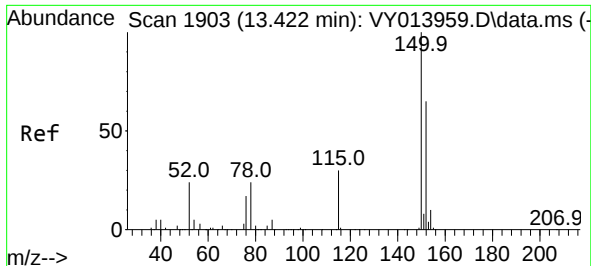
Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.6 26.3 39.5

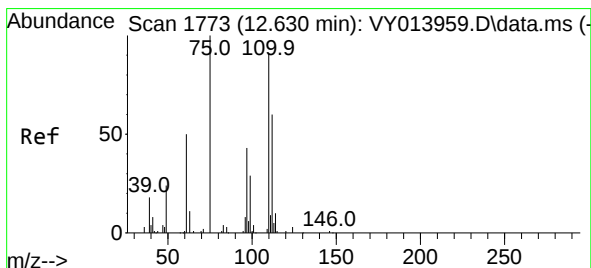
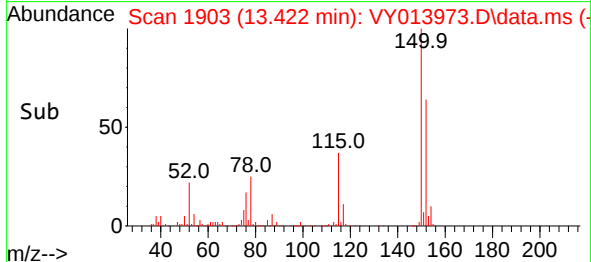
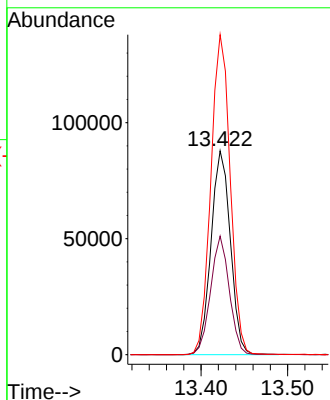
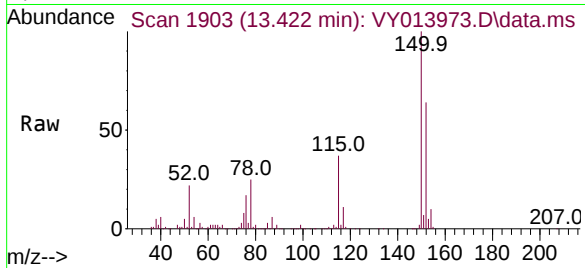




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013973.D
 Acq: 01 Jun 2023 18:49

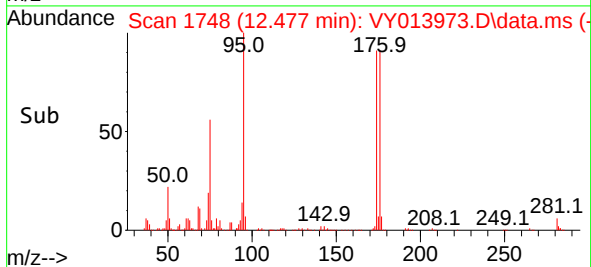
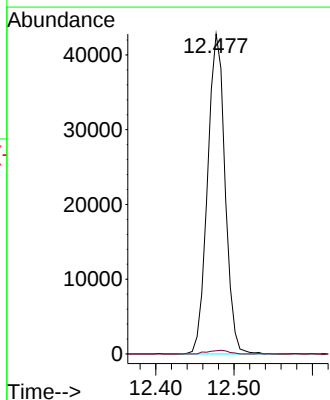
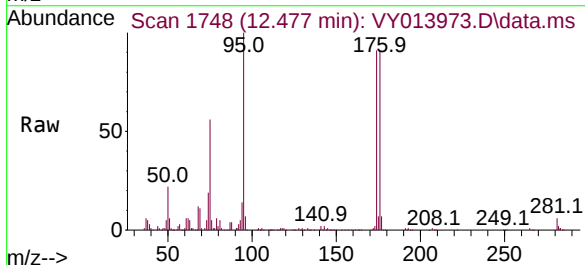
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11-0A

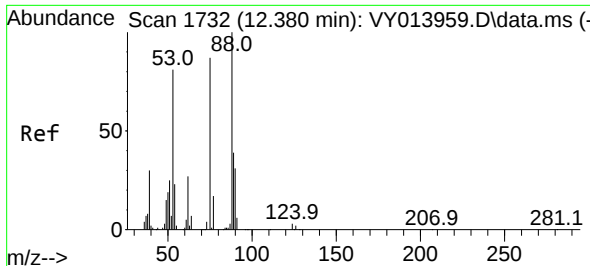
Tgt Ion:152 Resp: 136220
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.8 86.5
 150 157.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 36.203 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY013973.D
 Acq: 01 Jun 2023 18:49

Tgt Ion: 75 Resp: 66363
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

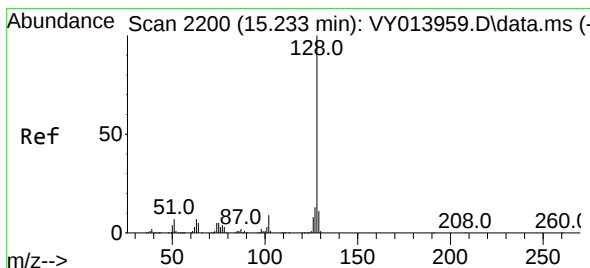
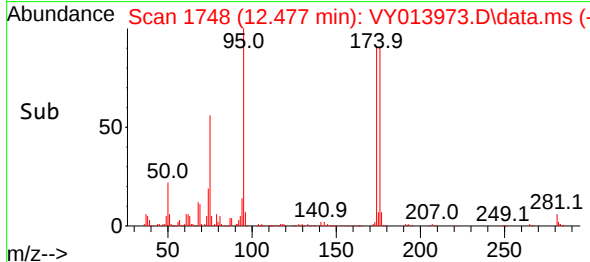
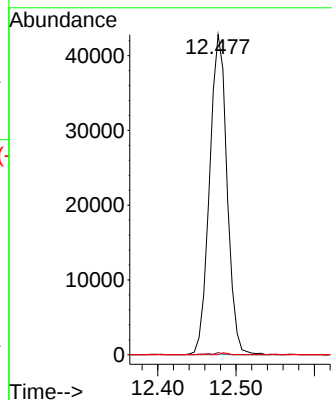
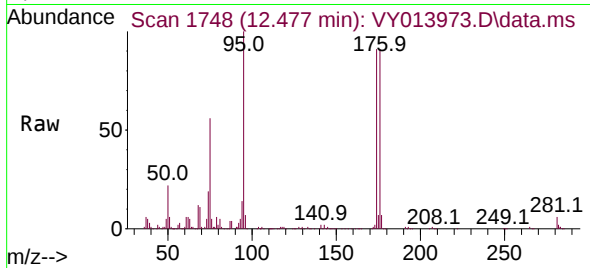




#81
trans-1,4-Dichloro-2-butene
Concen: 76.804 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

Tgt Ion: 75 Resp: 66363
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.2 37.4 56.0#



#95
Naphthalene
Concen: 4.605 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY013973.D
Acq: 01 Jun 2023 18:49

Tgt Ion:128 Resp: 4992
Ion Ratio Lower Upper
128 100
127 16.9 10.8 16.2#
129 11.7 8.6 13.0

