

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060223\
 Data File : VY013993.D
 Acq On : 02 Jun 2023 16:31
 Operator : KP/MD
 Sample : 03008-04
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-19-0A

Quant Time: Jun 05 09:44:29 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)

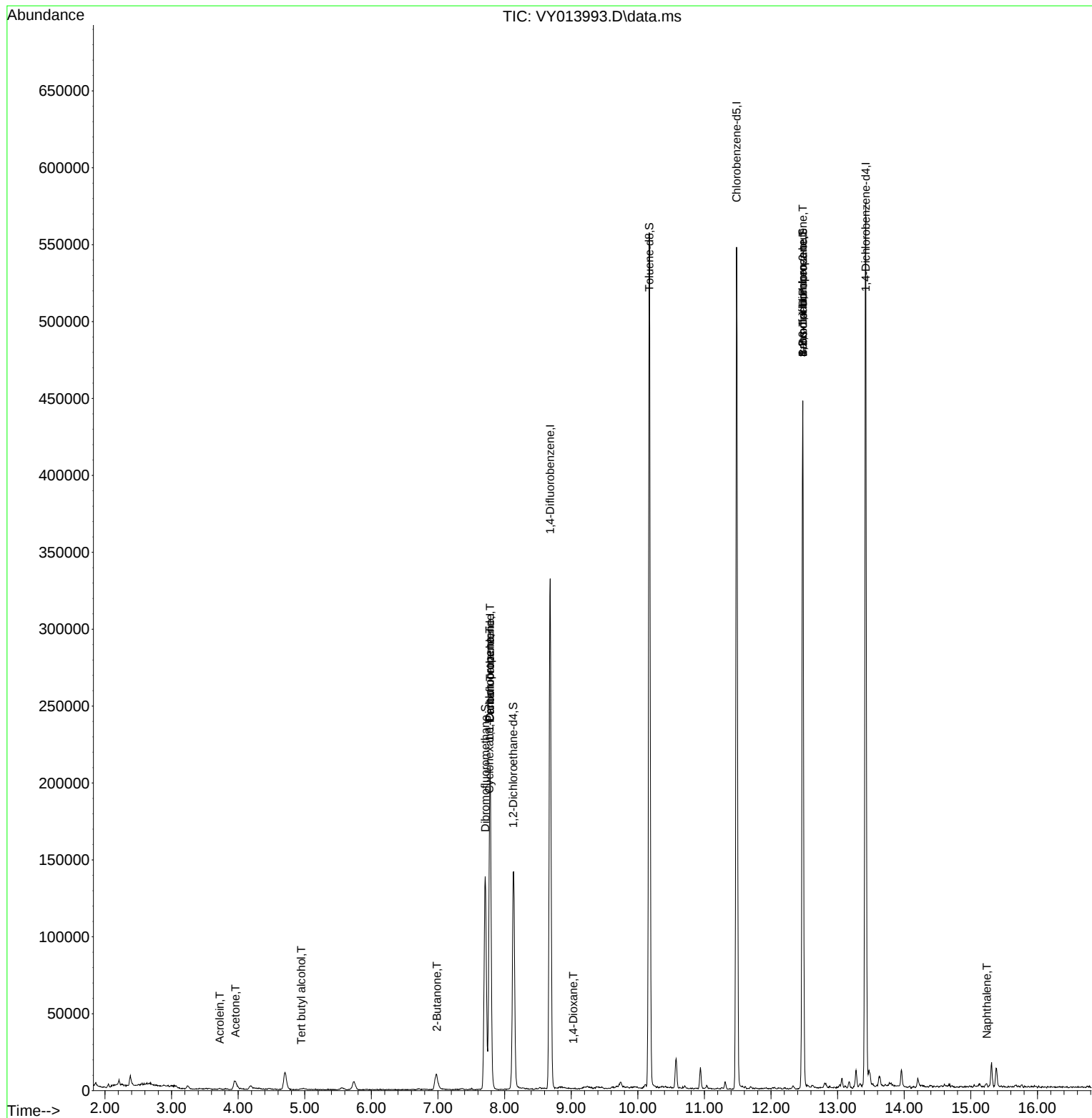
Internal Standards						
1) Pentafluorobenzene	7.783	168	159440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	287030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	119595	56.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.320%			
35) Dibromofluoromethane	7.709	113	95296	53.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.520%			
50) Toluene-d8	10.172	98	351389	51.968	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.940%			
62) 4-Bromofluorobenzene	12.477	95	123328	53.500	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	861	1.985	ug/l #	89
13) Acrolein	3.722	56	572	2.880	ug/l	96
16) Acetone	3.960	43	12680	17.560	ug/l	96
25) 2-Butanone	6.984	43	1789	1.989	ug/l #	67
31) Cyclohexane	7.770	56	3903	1.536	ug/l #	32
36) 1,1-Dichloropropene	7.776	75	12146	4.809	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15490	5.473	ug/l #	17
49) 1,4-Dioxane	9.032	88	51	2.725	ug/l #	36
71) Bromoform	12.477	173	1778	1.052	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	68607	36.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68607	76.470	ug/l #	11
95) Naphthalene	15.239	128	1888	4.144	ug/l	95

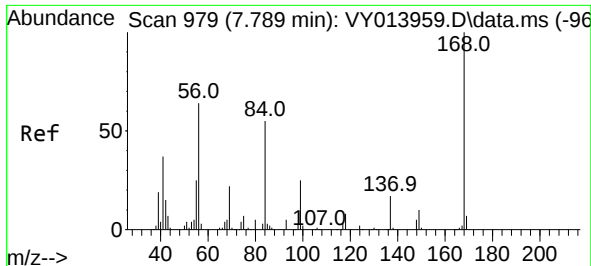
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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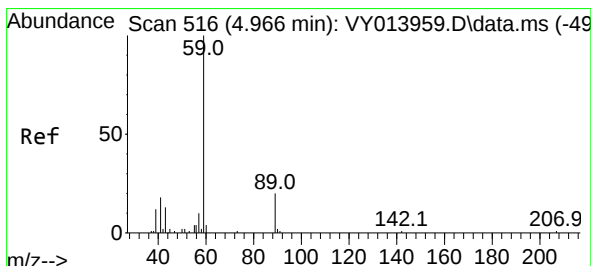
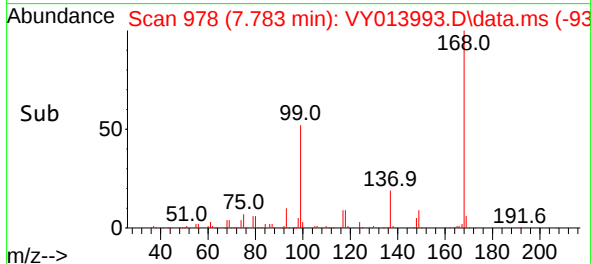
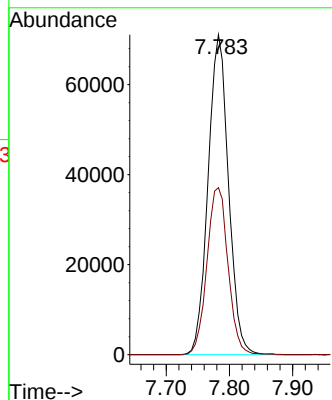
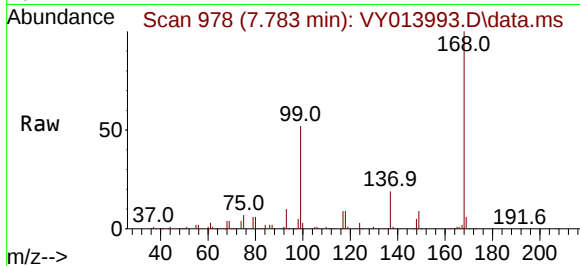




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

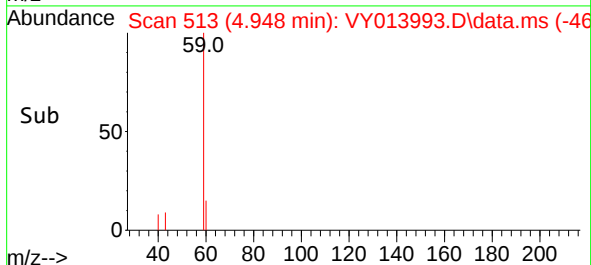
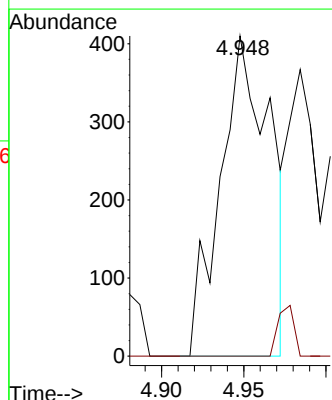
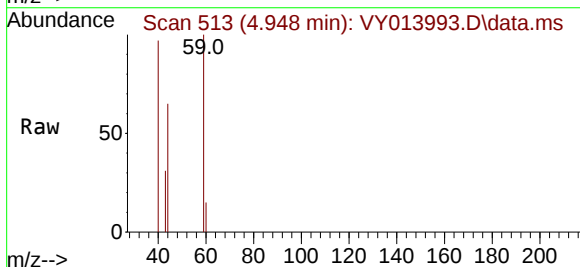
Instrument :
MSVOA_Y
ClientSampleId :
TP-19-0A

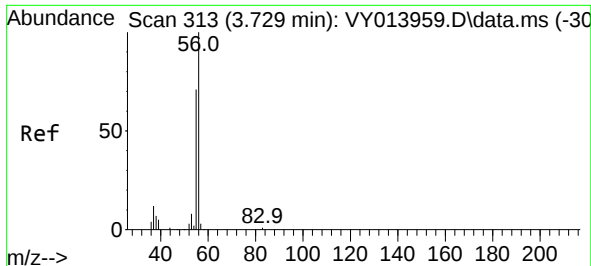
Tgt Ion:168 Resp: 159440
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.985 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 59 Resp: 861
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

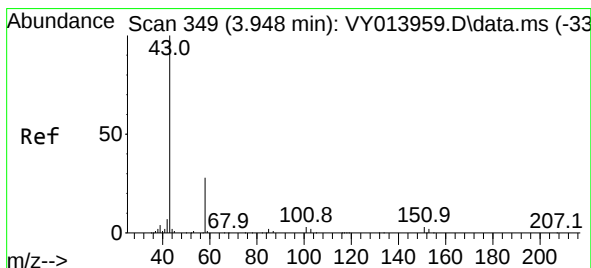
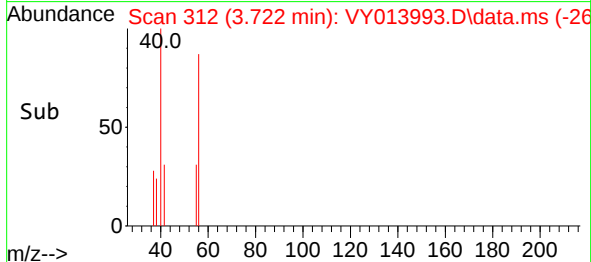
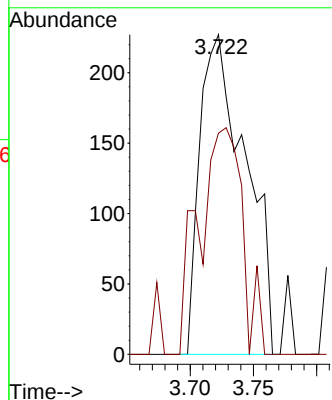
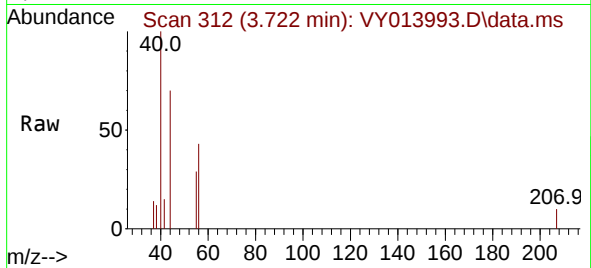




#13
Acrolein
Concen: 2.880 ug/l
RT: 3.722 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

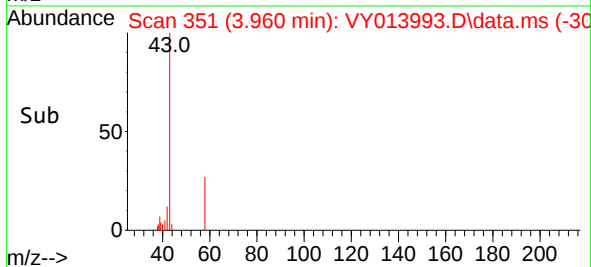
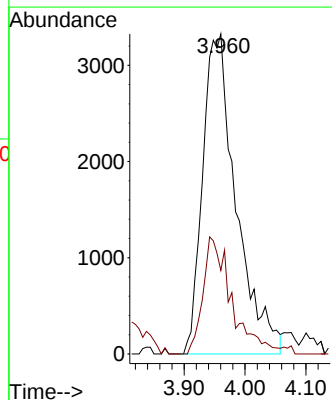
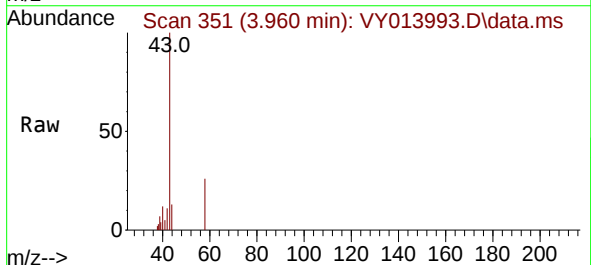
Instrument :
MSVOA_Y
ClientSampleId :
TP-19-0A

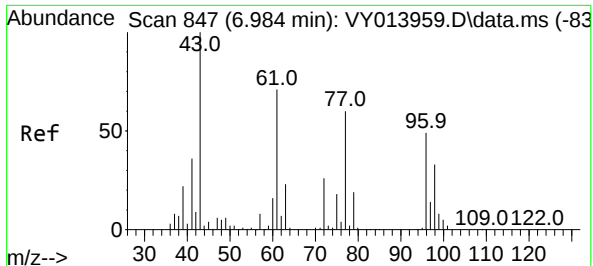
Tgt Ion: 56 Resp: 572
Ion Ratio Lower Upper
56 100
55 67.5 57.0 85.4



#16
Acetone
Concen: 17.560 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 43 Resp: 12680
Ion Ratio Lower Upper
43 100
58 26.1 22.7 34.1





#25

2-Butanone

Concen: 1.989 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013993.D

Acq: 02 Jun 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

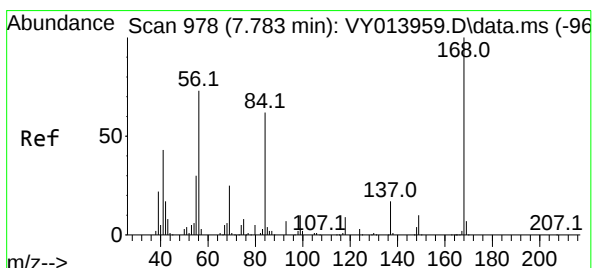
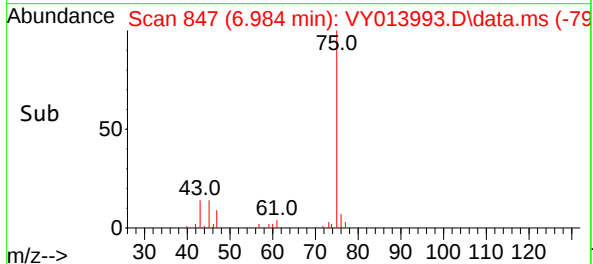
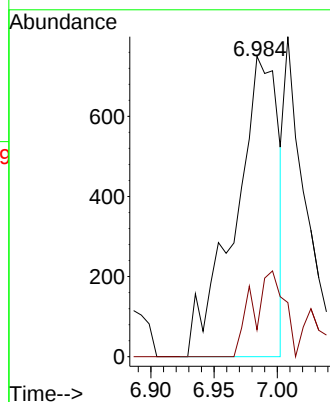
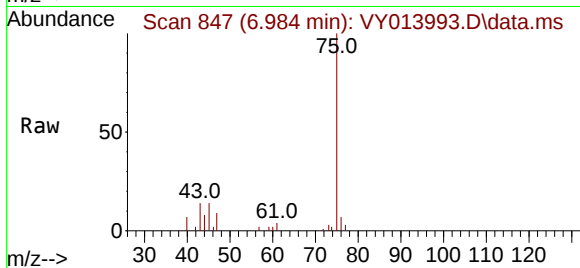
TP-19-0A

Tgt Ion: 43 Resp: 1789

Ion Ratio Lower Upper

43 100

72 8.9 20.5 30.7#



#31

Cyclohexane

Concen: 1.536 ug/l

RT: 7.770 min Scan# 976

Delta R.T. -0.013 min

Lab File: VY013993.D

Acq: 02 Jun 2023 16:31

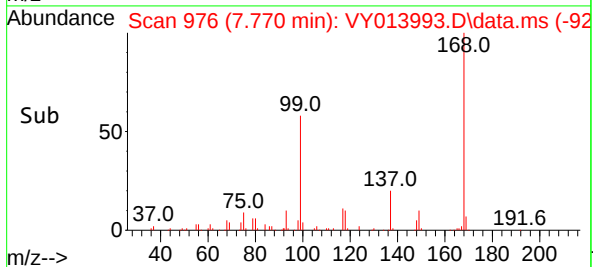
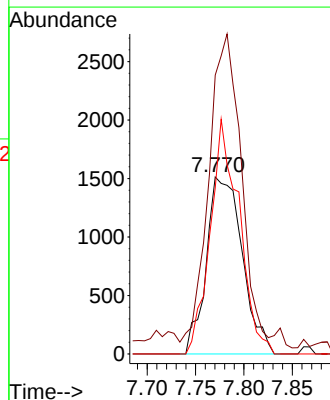
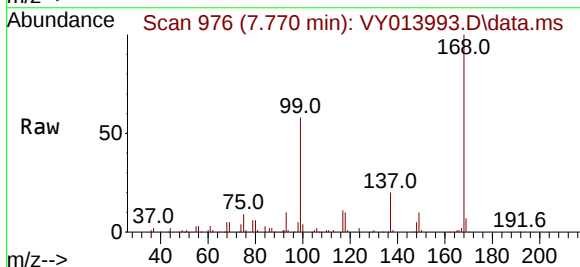
Tgt Ion: 56 Resp: 3903

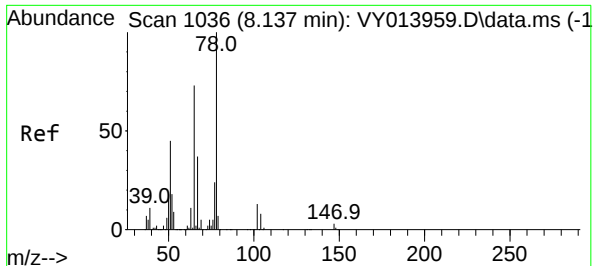
Ion Ratio Lower Upper

56 100

69 150.9 27.8 41.6#

84 93.9 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 56.664 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013993.D

Acq: 02 Jun 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

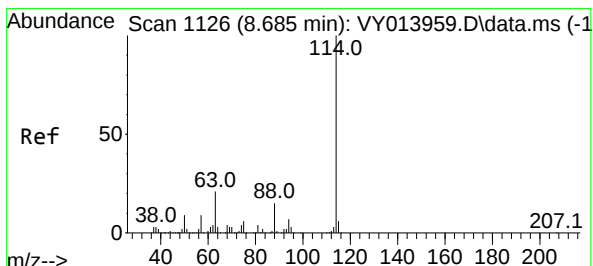
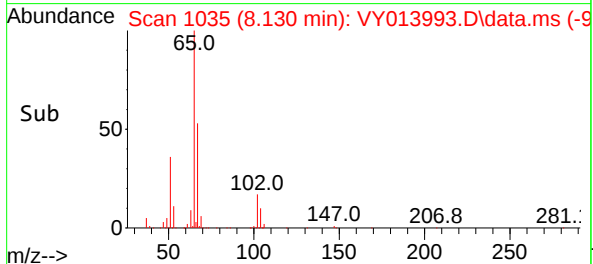
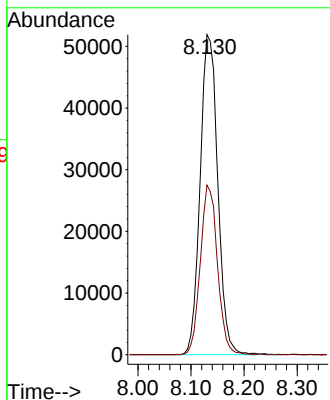
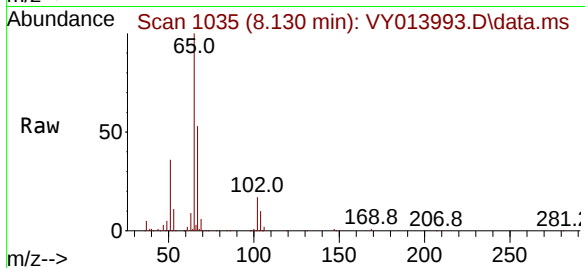
TP-19-0A

Tgt Ion: 65 Resp: 119595

Ion Ratio Lower Upper

65 100

67 51.5 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: VY013993.D

Acq: 02 Jun 2023 16:31

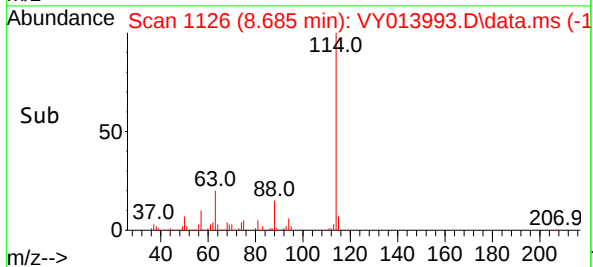
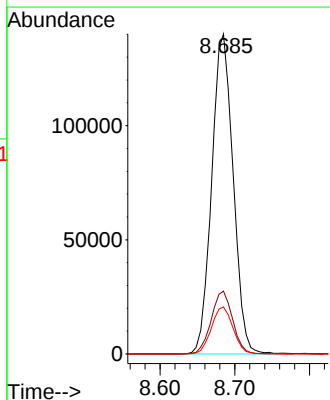
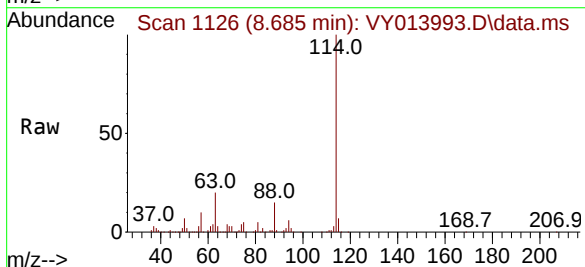
Tgt Ion: 114 Resp: 278935

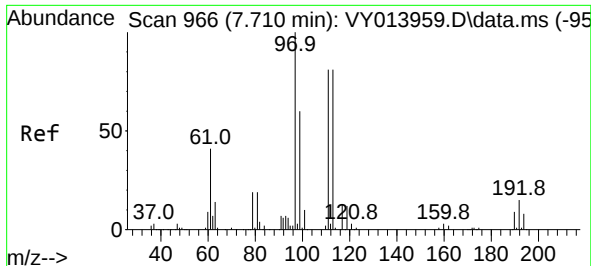
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.7 0.0 30.6

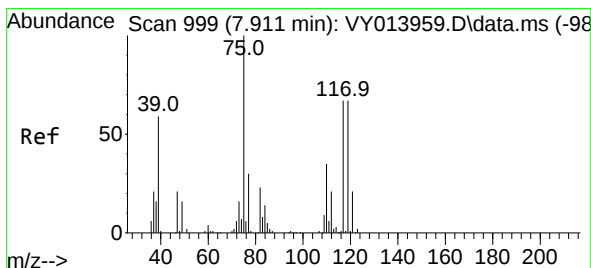
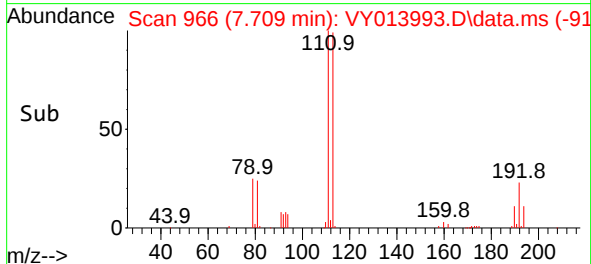
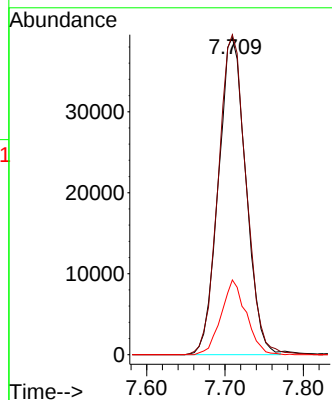
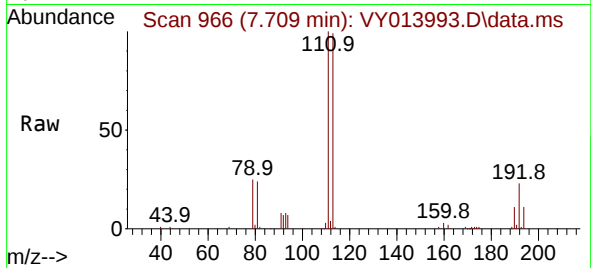




#35
Dibromofluoromethane
Concen: 53.759 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

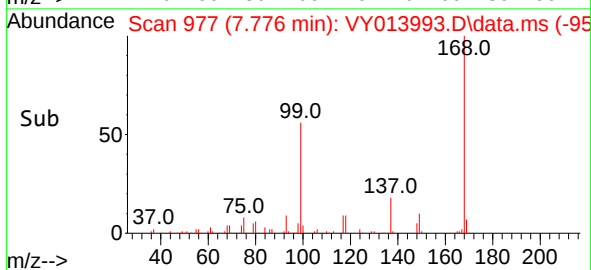
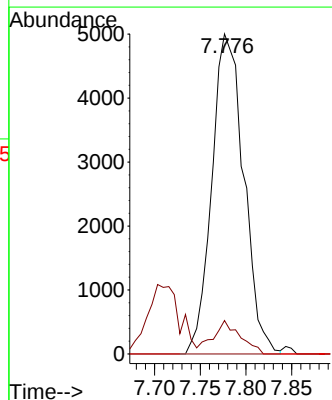
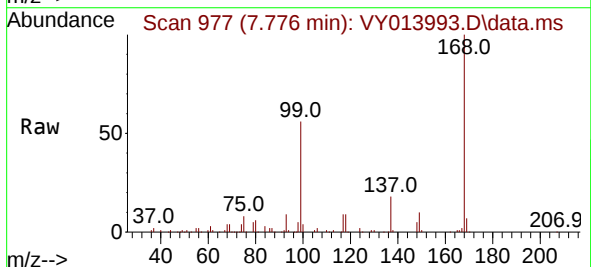
Instrument :
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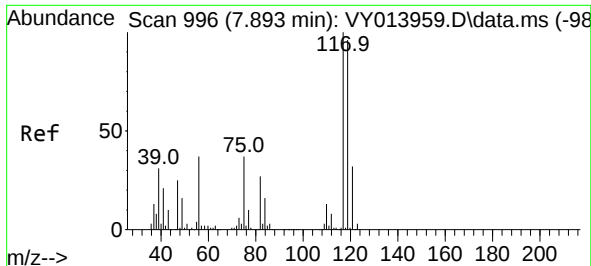
Tgt Ion:113 Resp: 95296
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.135 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 75 Resp: 12146
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#

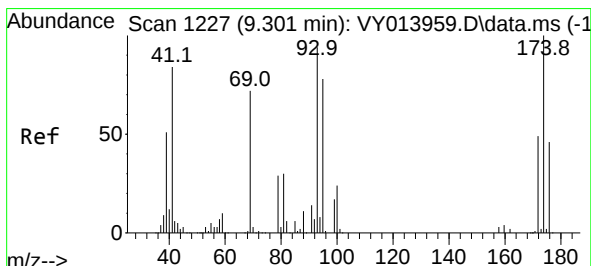
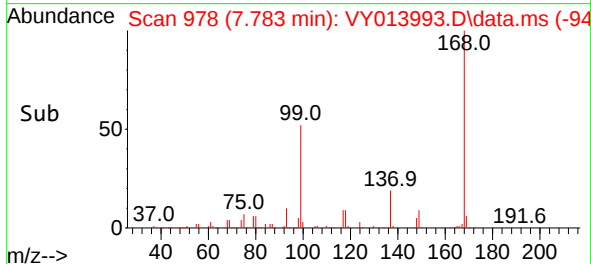
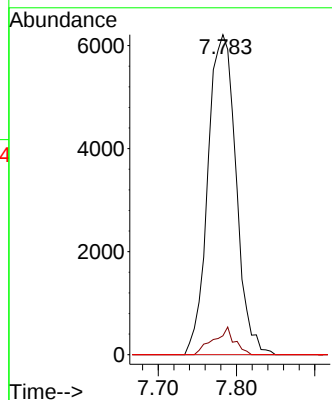
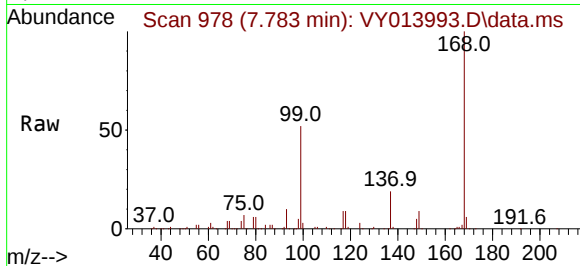




#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

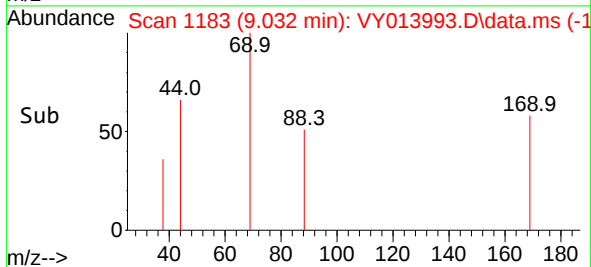
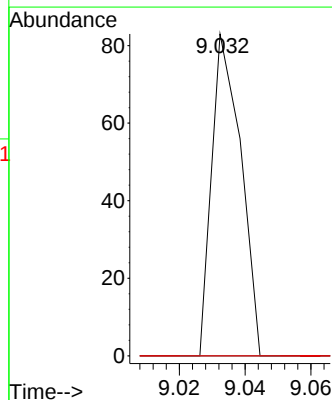
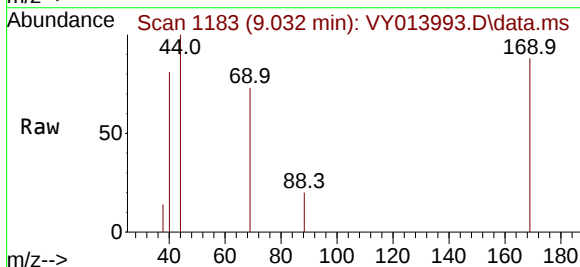
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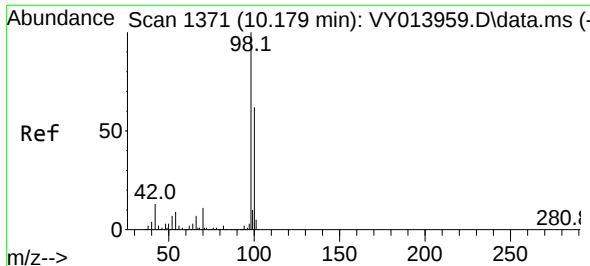
Tgt Ion:117 Resp: 15490
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 2.725 ug/l
RT: 9.032 min Scan# 1183
Delta R.T. -0.269 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#

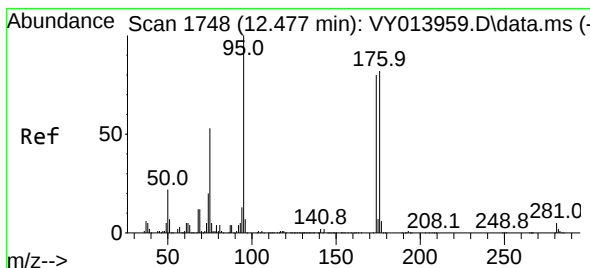
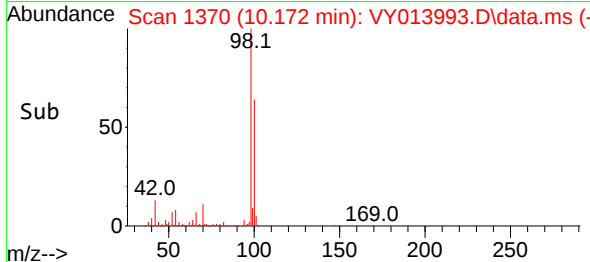
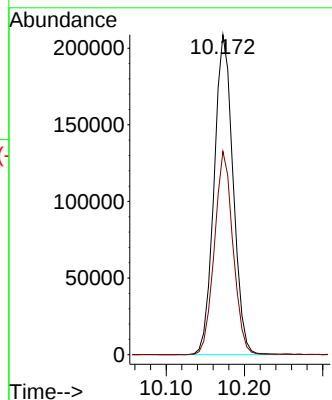
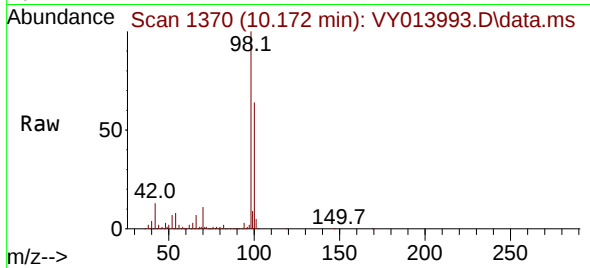




#50
Toluene-d8
Concen: 51.968 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

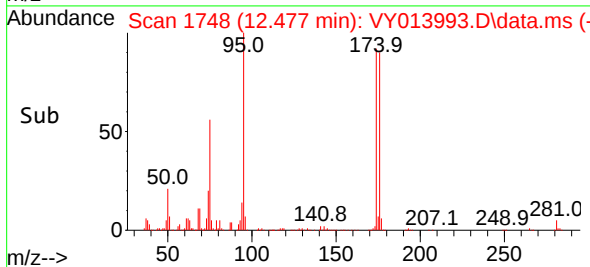
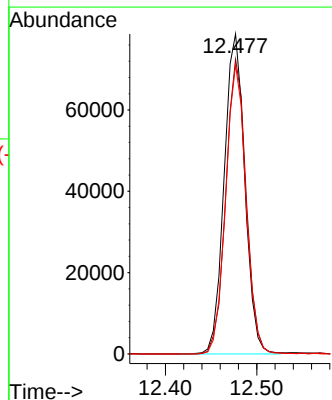
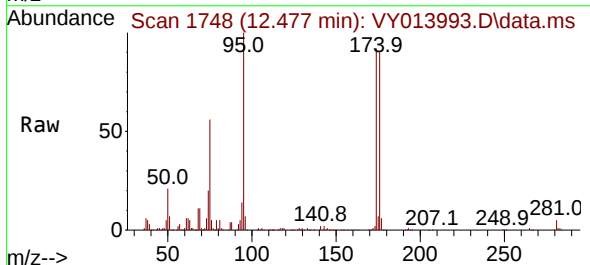
Instrument :
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TP-19-0A

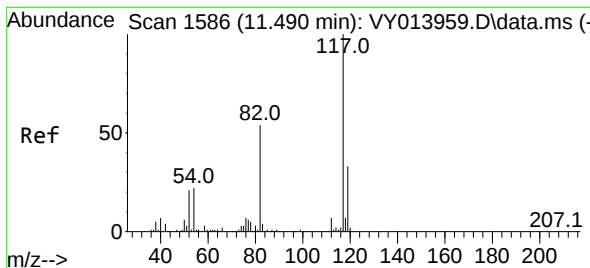
Tgt Ion: 98 Resp: 351389
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.500 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 95 Resp: 123328
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 88.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013993.D

Acq: 02 Jun 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-19-0A

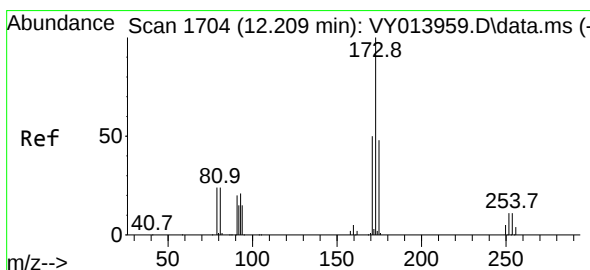
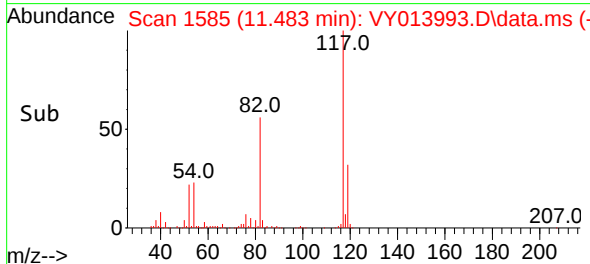
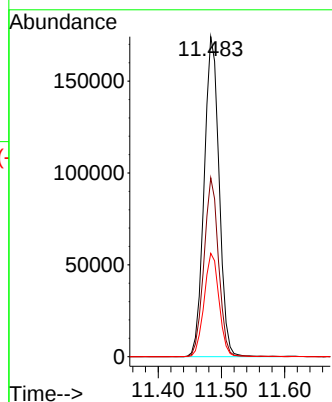
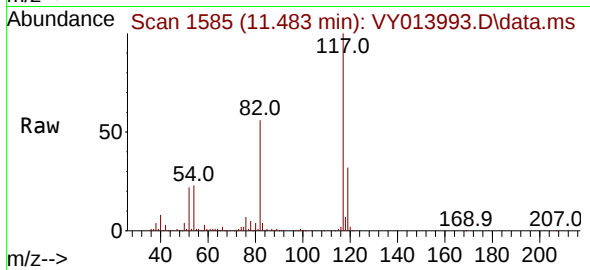
Tgt Ion:117 Resp: 287030

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 32.3 26.3 39.5



#71

Bromoform

Concen: 1.052 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.268 min

Lab File: VY013993.D

Acq: 02 Jun 2023 16:31

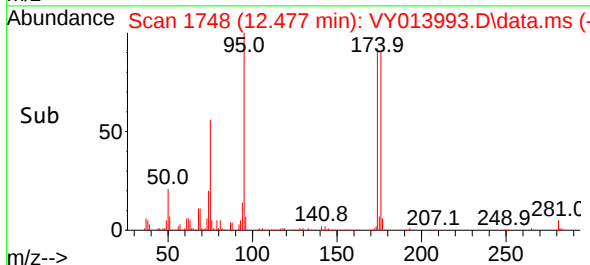
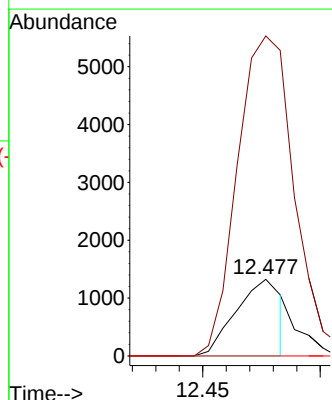
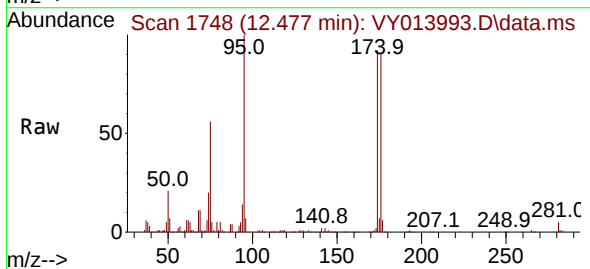
Tgt Ion:173 Resp: 1778

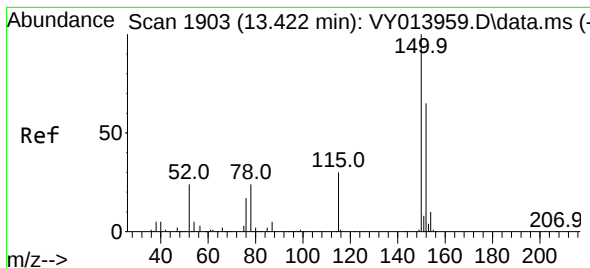
Ion Ratio Lower Upper

173 100

175 423.2 24.6 73.8#

254 0.0 0.2 0.2#

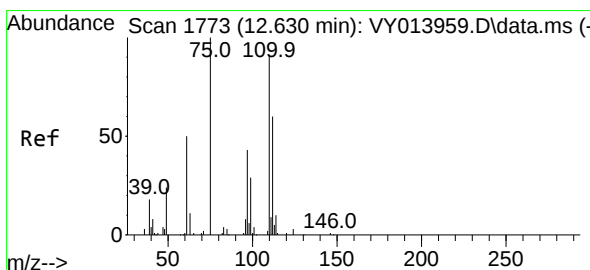
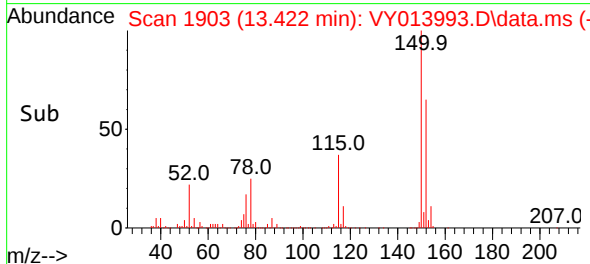
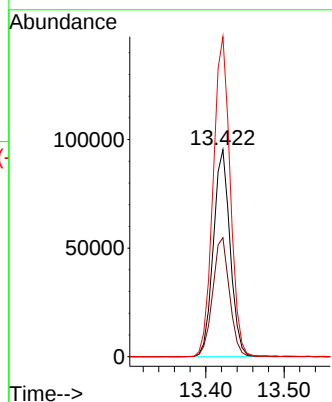
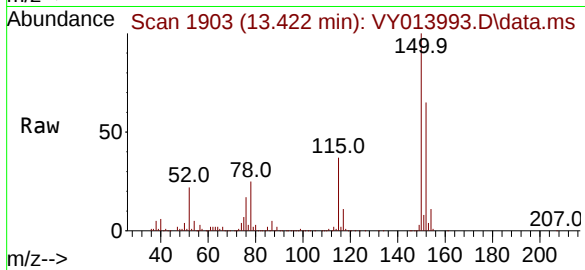




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013993.D
 Acq: 02 Jun 2023 16:31

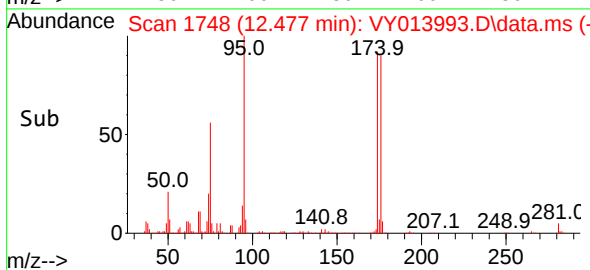
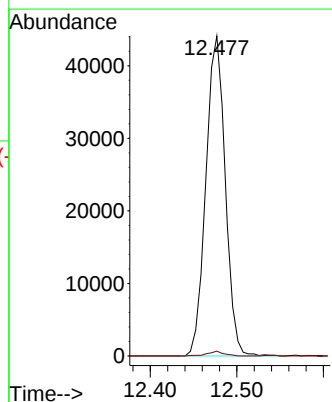
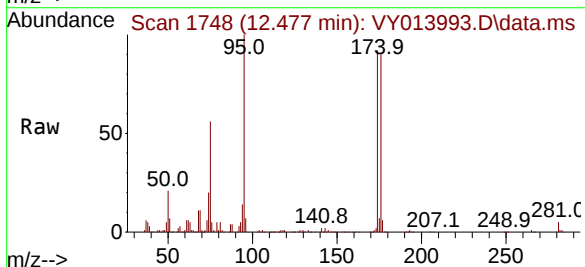
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-19-0A

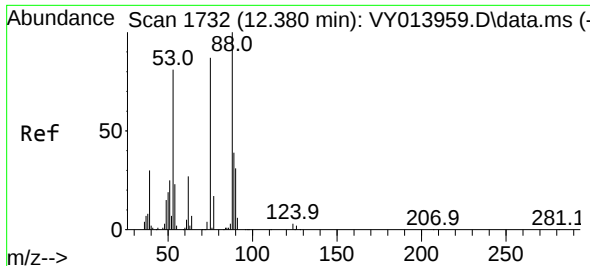
Tgt Ion:152 Resp: 141442
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.8 86.5
 150 157.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 36.045 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY013993.D
 Acq: 02 Jun 2023 16:31

Tgt Ion: 75 Resp: 68607
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

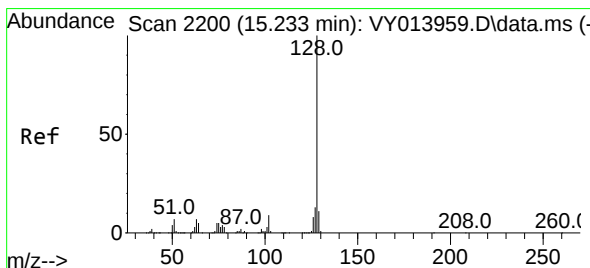
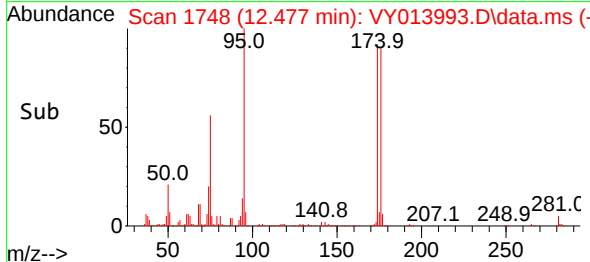
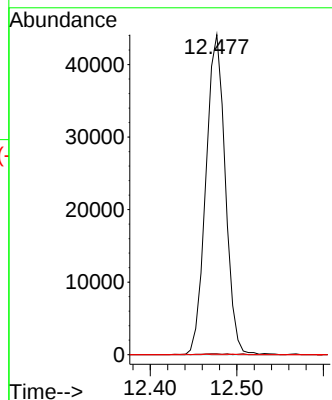
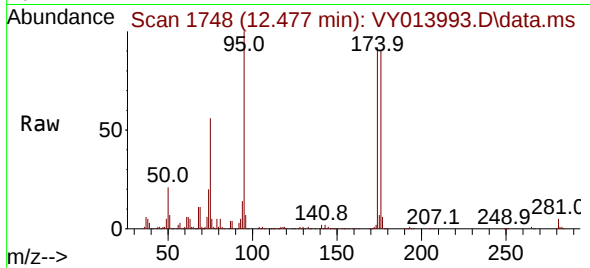




#81
trans-1,4-Dichloro-2-butene
Concen: 76.470 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Instrument :
MSVOA_Y
ClientSampleId :
TP-19-0A

Tgt Ion: 75 Resp: 68607
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 4.144 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY013993.D
Acq: 02 Jun 2023 16:31

Tgt Ion: 128 Resp: 1888
Ion Ratio Lower Upper
128 100
127 15.9 10.8 16.2
129 9.6 8.6 13.0

