

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012904.D
 Acq On : 09 Mar 2023 17:14
 Operator : KP/MD
 Sample : 01846-01
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Mar 10 00:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	79809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	136360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	125608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57430	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52292	65.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.980%
35) Dibromofluoromethane	7.716	113	46105	56.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.060%
50) Toluene-d8	10.179	98	160485	53.344	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.680%
62) 4-Bromofluorobenzene	12.477	95	48665	47.925	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.860%

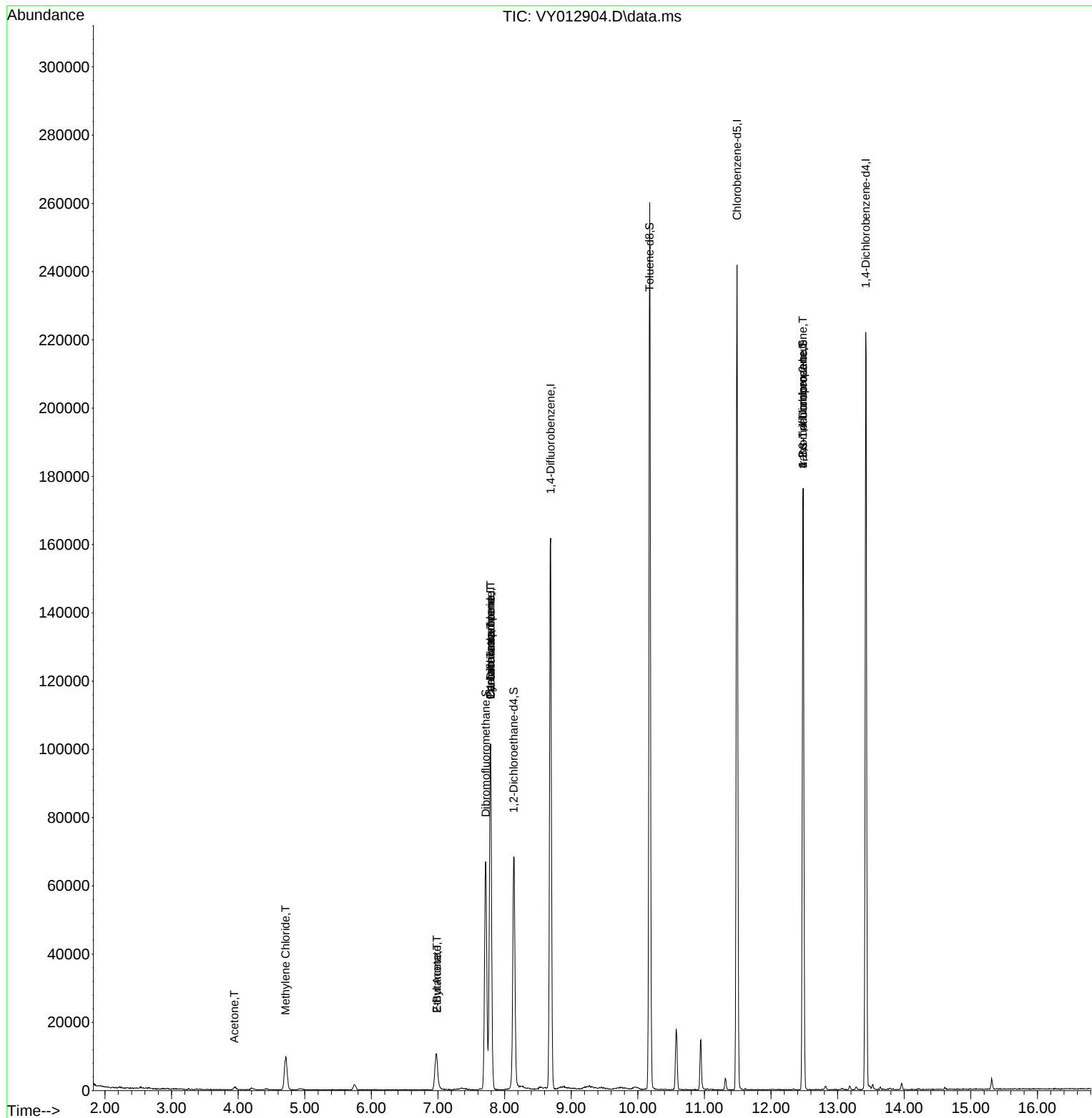
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.936	59	378	Below Cal	#	74
16) Acetone	3.942	43	1602	5.151	ug/l	97
20) Methylene Chloride	4.710	84	6889	2.113	ug/l	86
25) 2-Butanone	6.984	43	1248	3.240	ug/l	# 62
31) Cyclohexane	7.789	56	1581	1.042	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	5956	4.319	ug/l	# 49
37) Ethyl Acetate	6.984	43	1248	1.436	ug/l	# 44
38) Carbon Tetrachloride	7.789	117	7773	5.458	ug/l	# 18
76) 1,2,3-Trichloropropane	12.477	75	26520	38.670	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	26520	80.125	ug/l	# 13

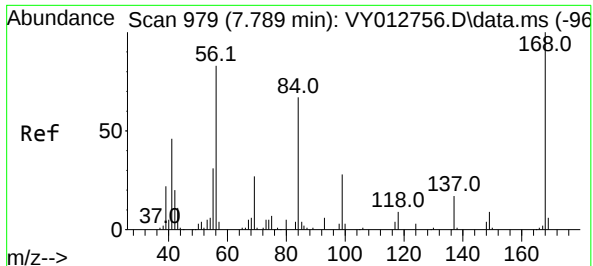
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

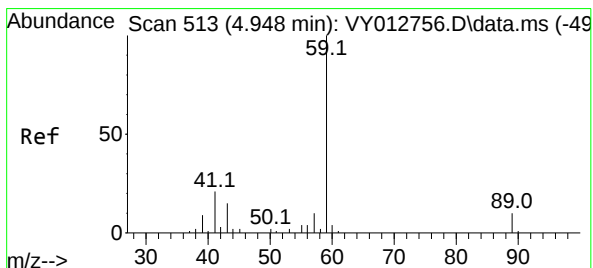
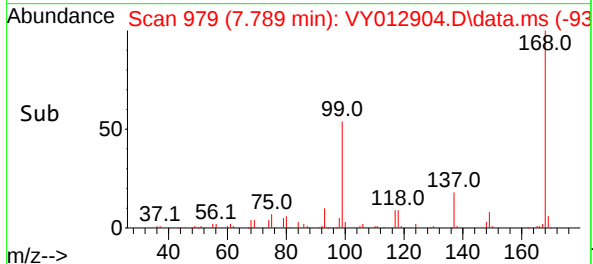
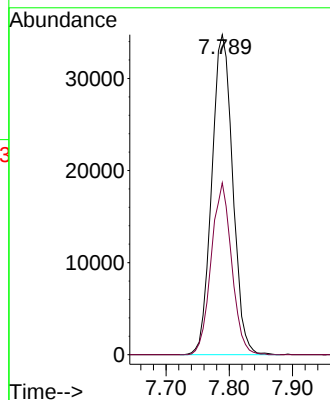
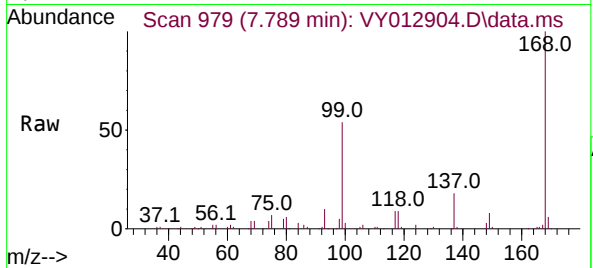




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

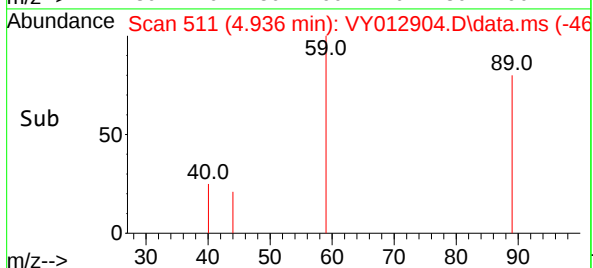
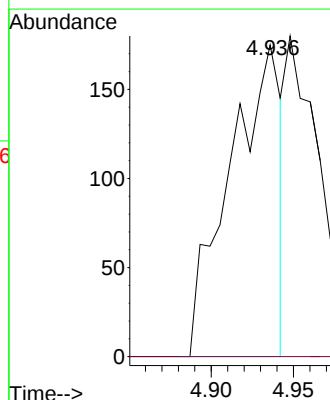
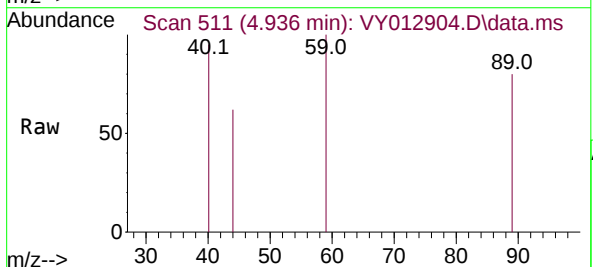
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

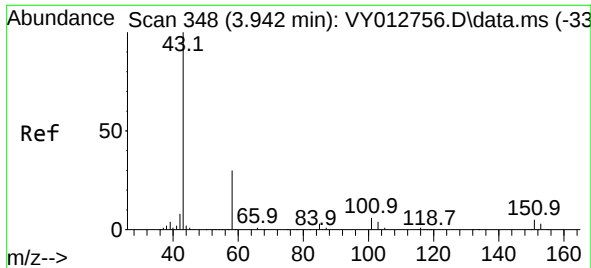
Tgt Ion:168 Resp: 79809
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 5.151 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

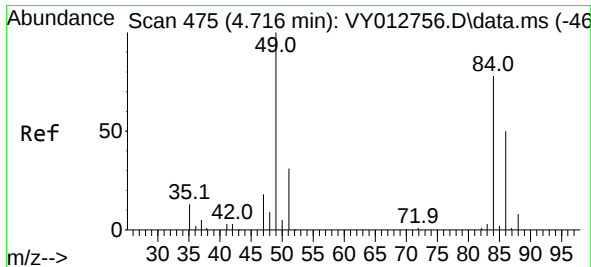
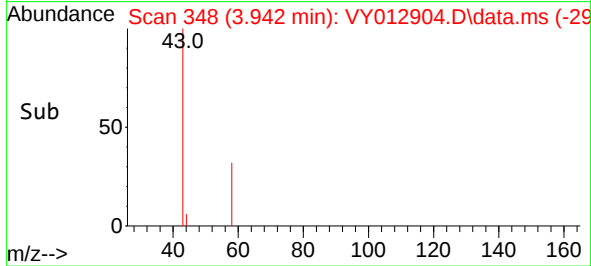
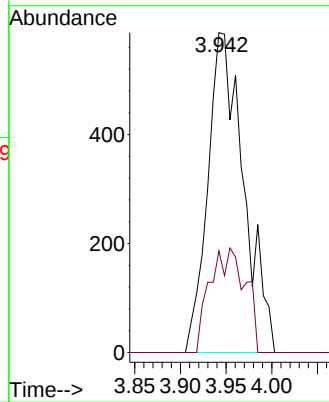
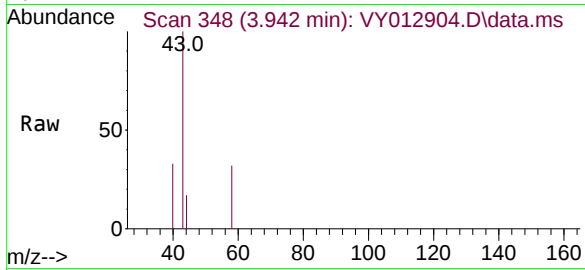
TP-3

Tgt Ion: 43 Resp: 1602

Ion Ratio Lower Upper

43 100

58 31.7 24.2 36.2



#20

Methylene Chloride

Concen: 2.113 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Tgt Ion: 84 Resp: 6889

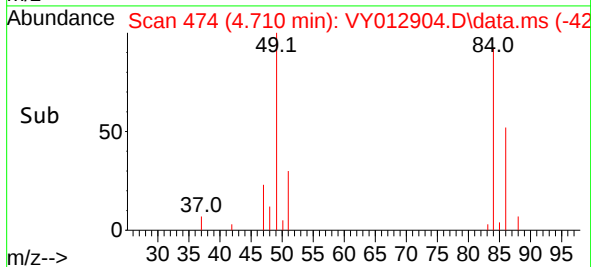
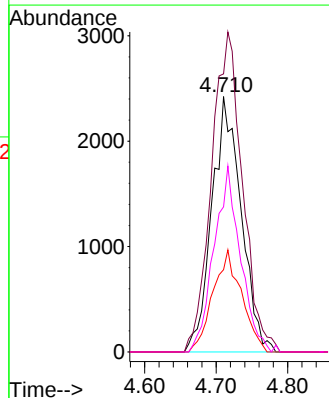
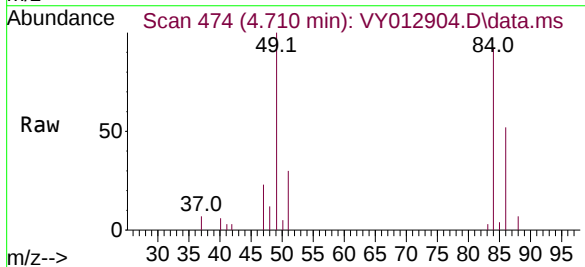
Ion Ratio Lower Upper

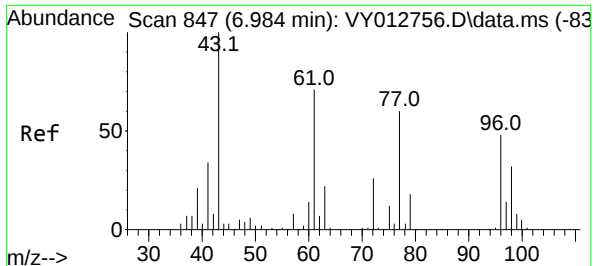
84 100

49 108.9 102.6 154.0

51 32.2 31.9 47.9

86 56.8 51.0 76.6





#25

2-Butanone

Concen: 3.240 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

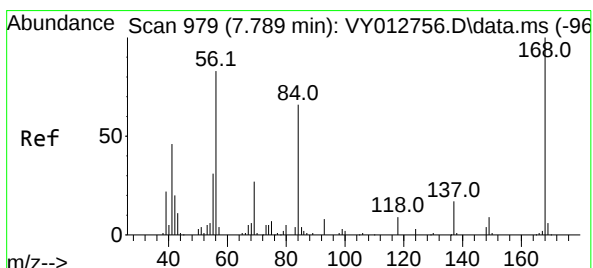
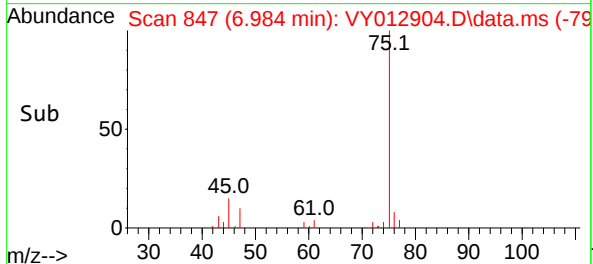
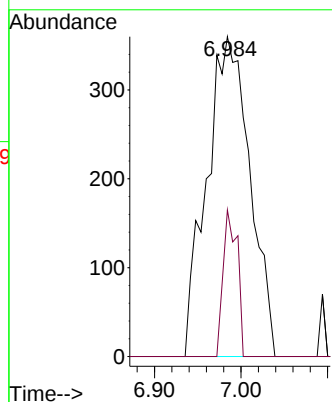
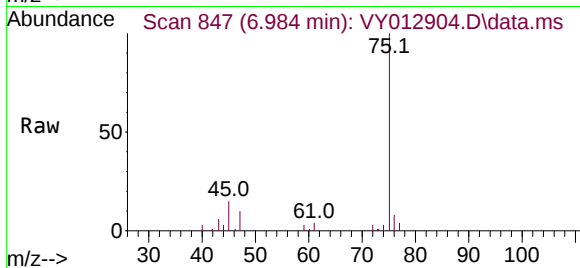
TP-3

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

72 45.8 21.0 31.4#



#31

Cyclohexane

Concen: 1.042 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

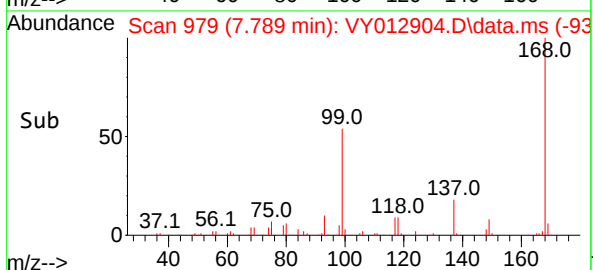
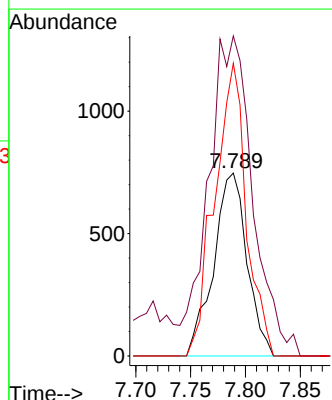
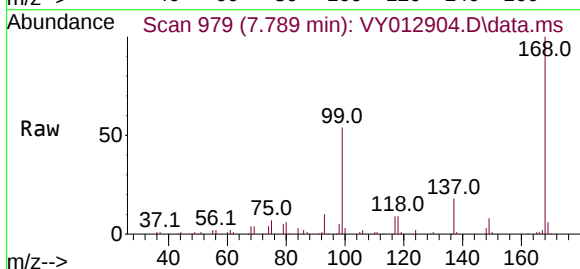
Tgt Ion: 56 Resp: 1581

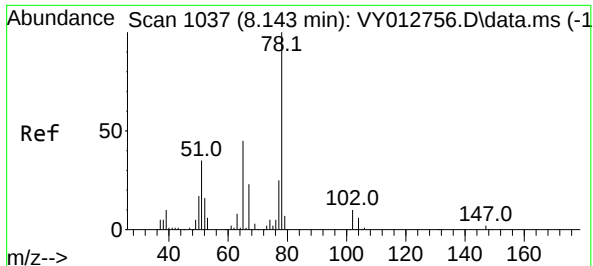
Ion Ratio Lower Upper

56 100

69 161.7 25.7 38.5#

84 160.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 65.992 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

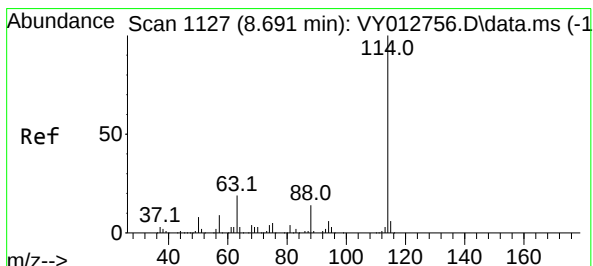
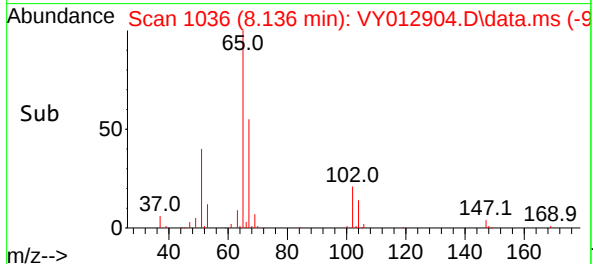
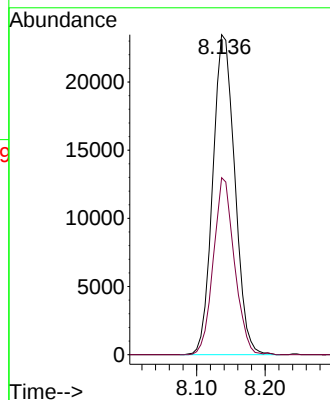
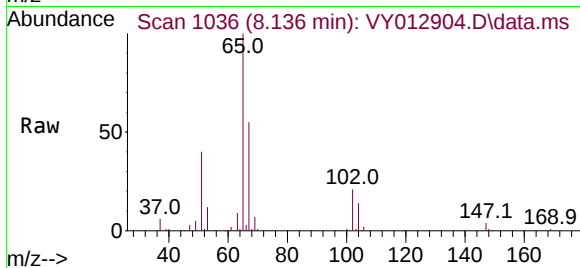
TP-3

Tgt Ion: 65 Resp: 52292

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

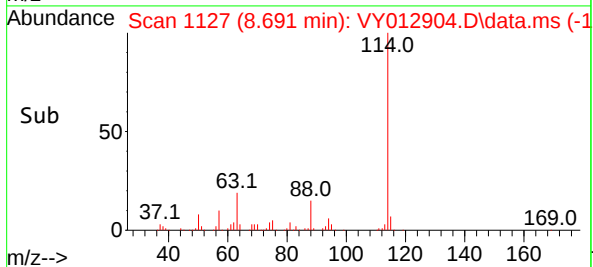
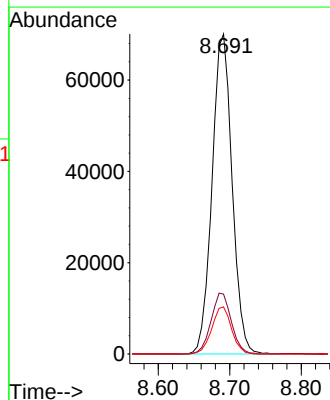
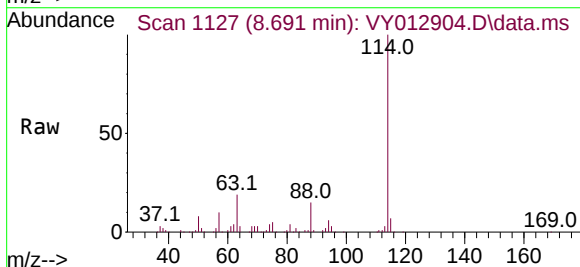
Tgt Ion: 114 Resp: 136360

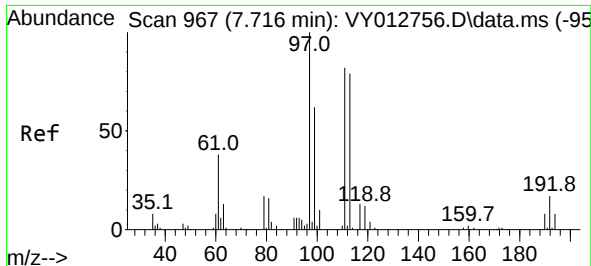
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 14.7 0.0 28.6

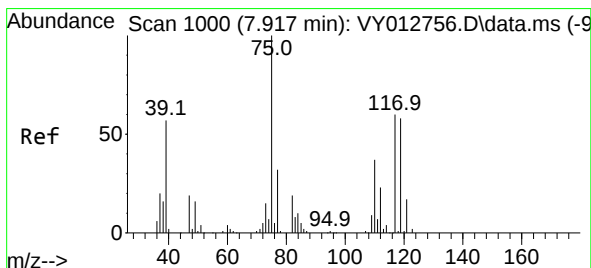
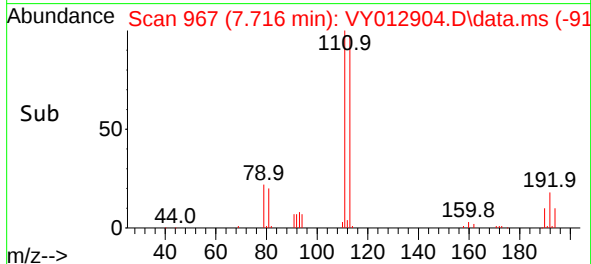
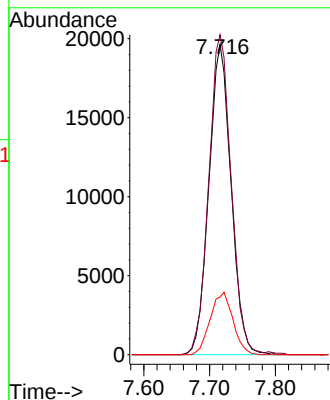
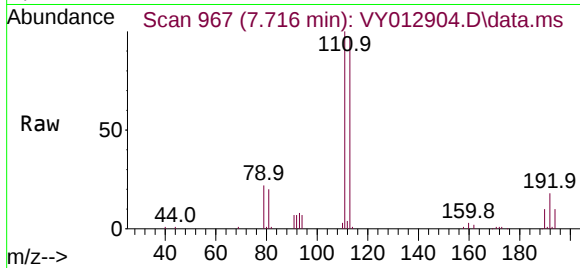




#35
Dibromofluoromethane
Concen: 56.025 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

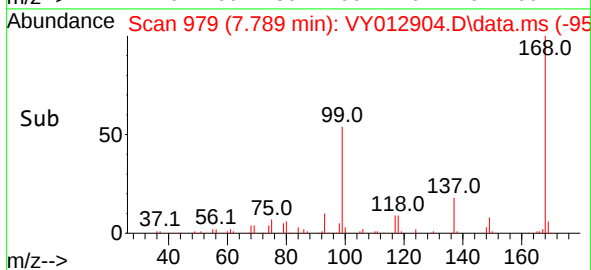
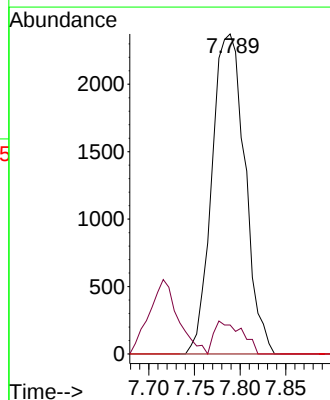
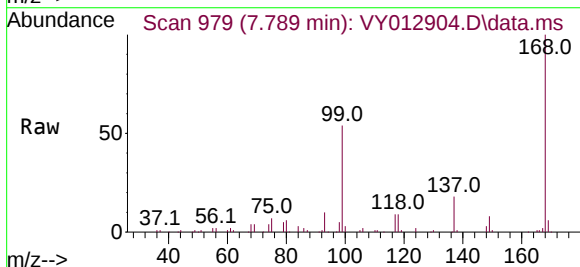
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

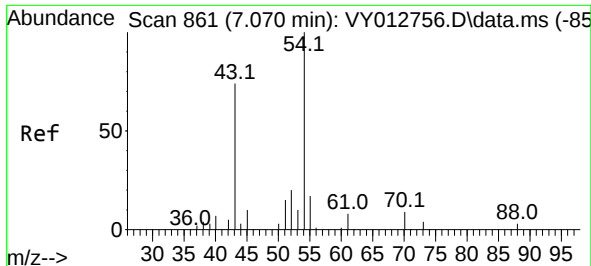
Tgt Ion:113 Resp: 46105
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.319 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

Tgt Ion: 75 Resp: 5956
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.436 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

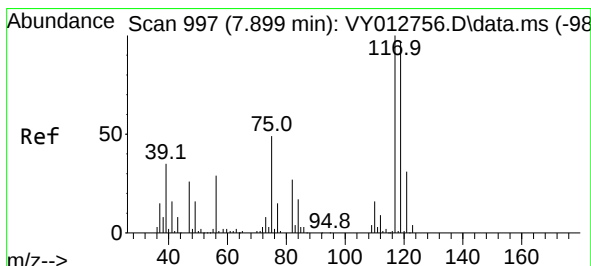
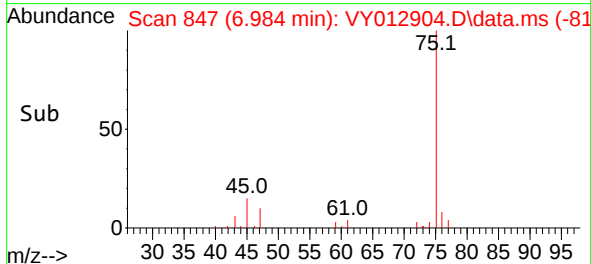
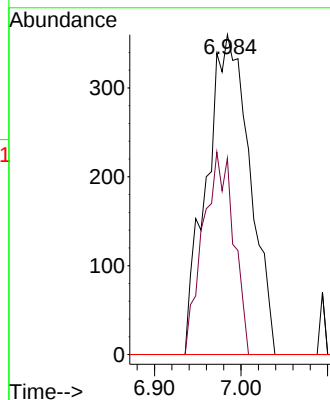
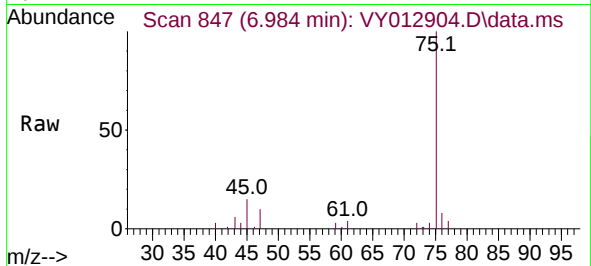
Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

61 44.8 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

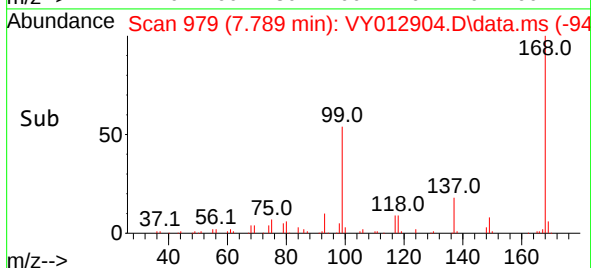
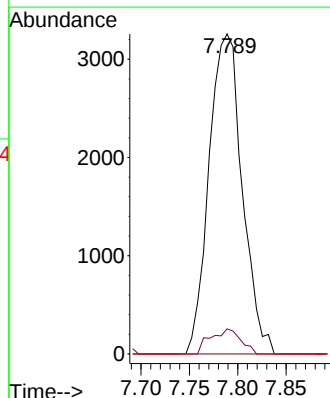
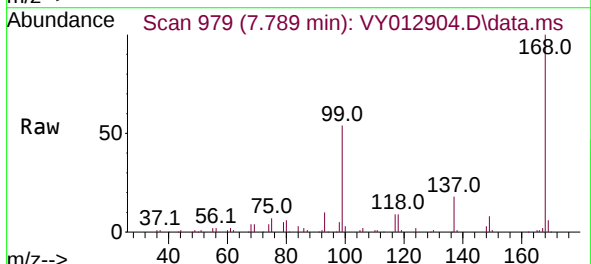
Tgt Ion: 117 Resp: 7773

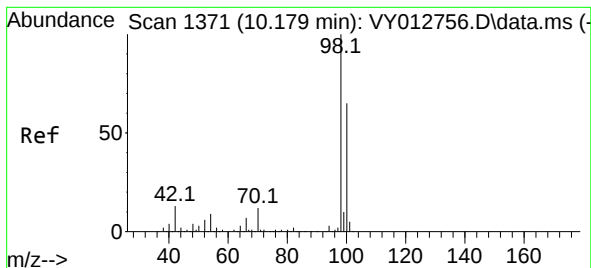
Ion Ratio Lower Upper

117 100

119 7.9 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.344 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

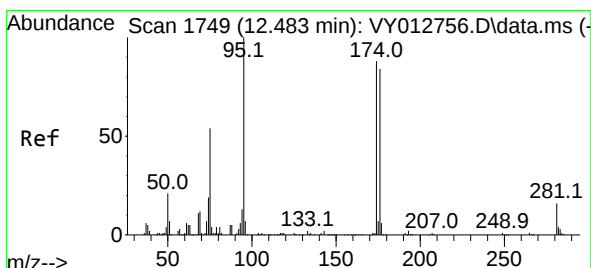
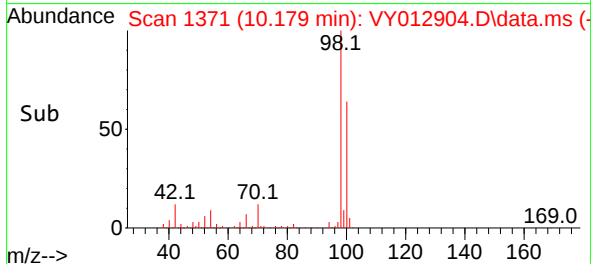
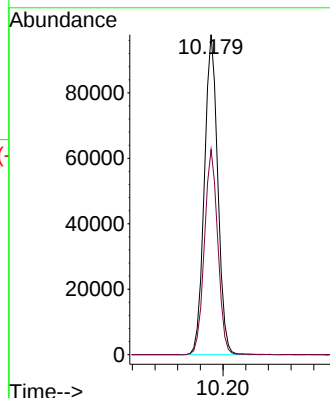
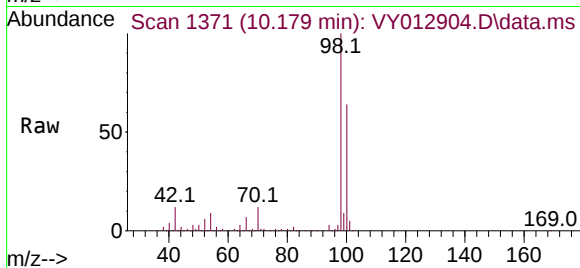
TP-3

Tgt Ion: 98 Resp: 160485

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 47.925 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012904.D

Acq: 09 Mar 2023 17:14

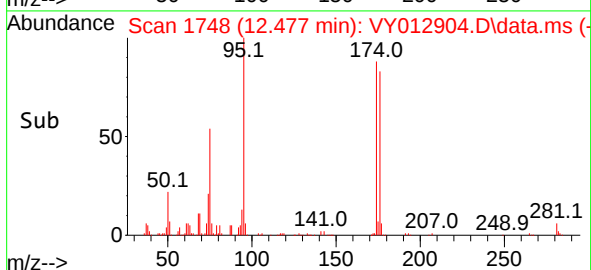
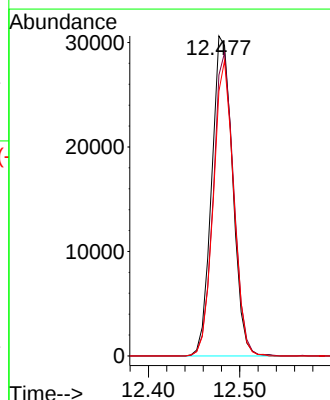
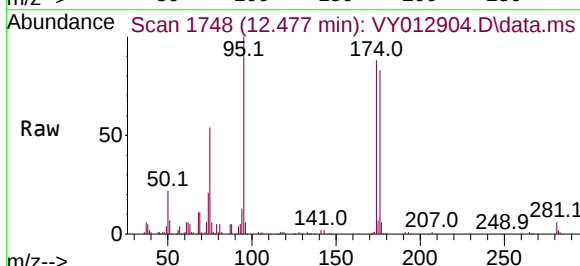
Tgt Ion: 95 Resp: 48665

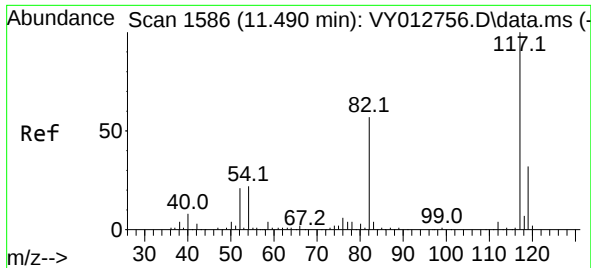
Ion Ratio Lower Upper

95 100

174 92.6 0.0 176.6

176 89.3 0.0 170.2

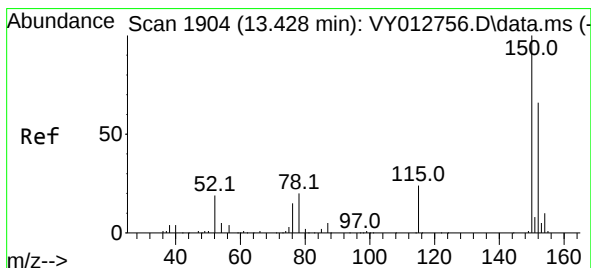
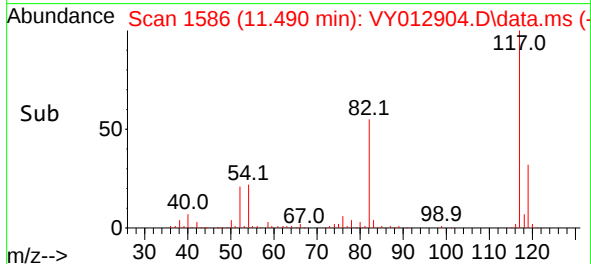
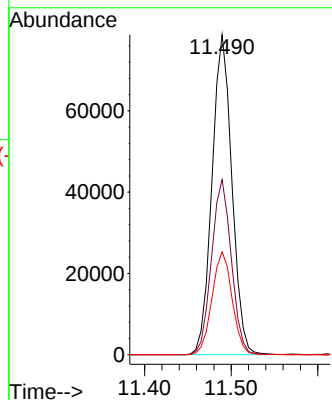
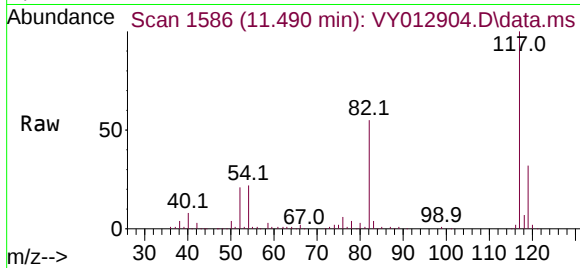




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

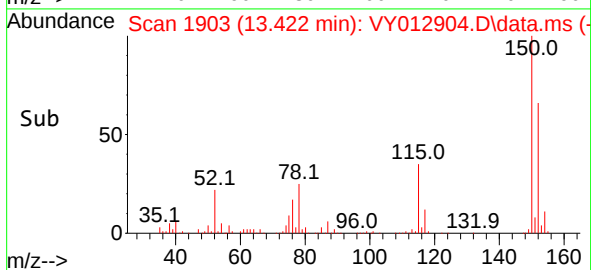
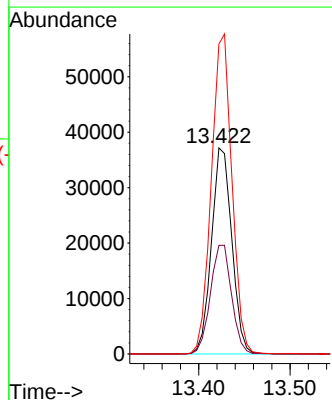
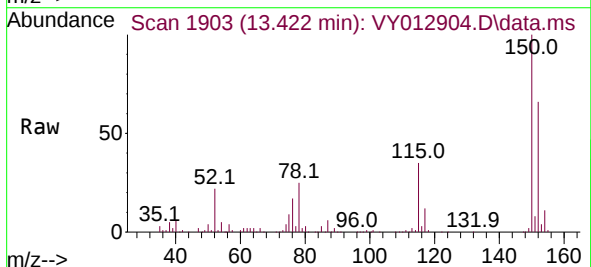
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

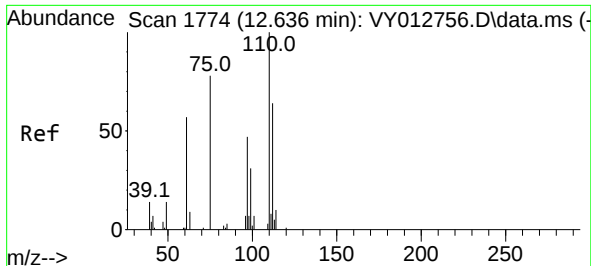
Tgt Ion:117 Resp: 125608
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.0
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

Tgt Ion:152 Resp: 57430
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.3
150 156.7 0.0 347.8

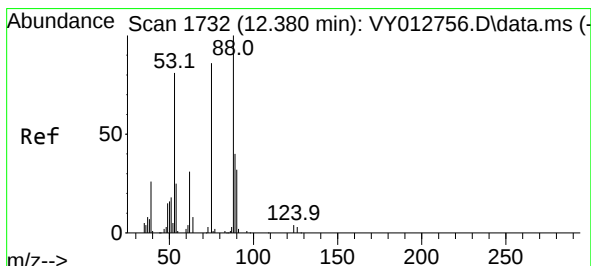
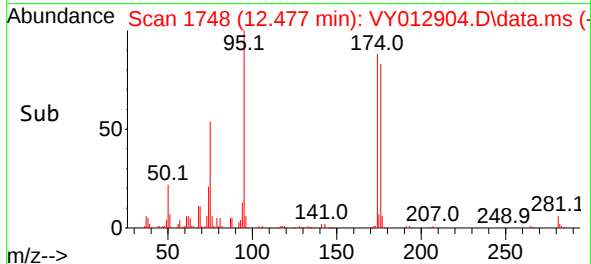
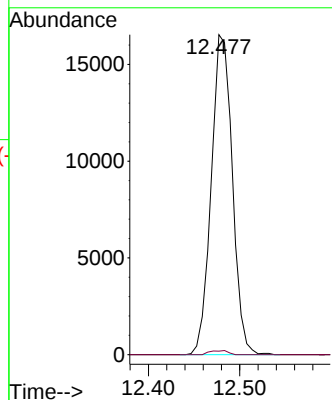
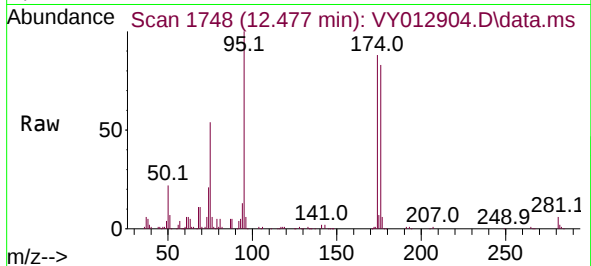




#76
1,2,3-Trichloropropane
Concen: 38.670 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 26520
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.125 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012904.D
Acq: 09 Mar 2023 17:14

Tgt Ion: 75 Resp: 26520
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.1 36.6 55.0#

