

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011786.D
 Acq On : 13 Dec 2022 12:24
 Operator : KP/MD
 Sample : N6023-01
 Misc : 4.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE

Quant Time: Dec 13 22:17:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

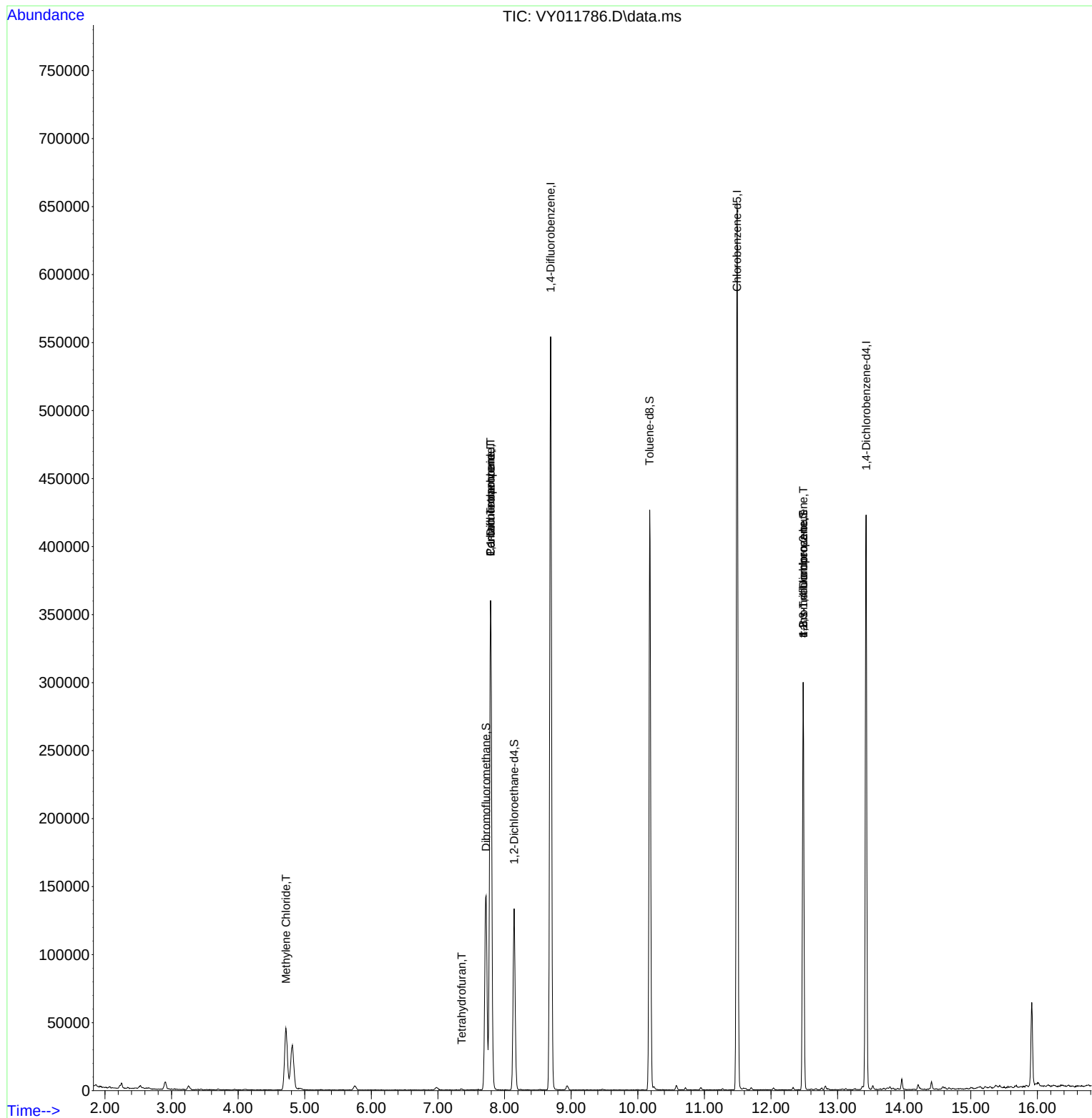
Internal Standards						
1) Pentafluorobenzene	7.789	168	281352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	469775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	357962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100610	52.659	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.320%	
35) Dibromofluoromethane	7.722	113	103331	49.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.940%	
50) Toluene-d8	10.179	98	282626	39.970	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 79.940%	
62) 4-Bromofluorobenzene	12.483	95	87705	30.412	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 60.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	49	Below Cal	#	41
3) Chloromethane	2.119	50	208	Below Cal	#	41
5) Bromomethane	2.656	94	357	Below Cal	#	75
11) Tert butyl alcohol	4.936	59	999	Below Cal	#	74
18) Methyl Acetate	4.491	43	279	Below Cal	#	50
20) Methylene Chloride	4.716	84	34338	7.571	ug/l	94
29) Tetrahydrofuran	7.356	42	586	1.042	ug/l #	86
31) Cyclohexane	7.789	56	5759	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	20999	5.891	ug/l #	50
38) Carbon Tetrachloride	7.789	117	28544	6.816	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	44993	40.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44993	91.837	ug/l #	13

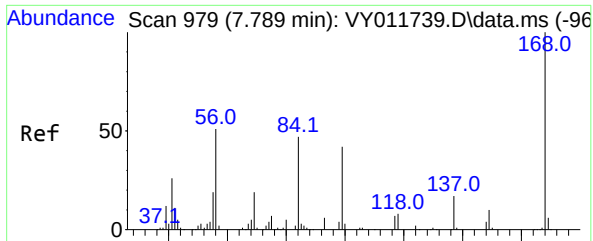
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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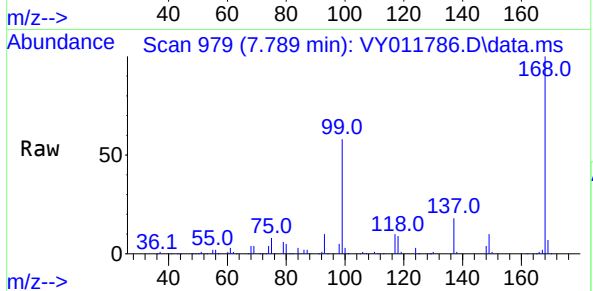
Quant Time: Dec 13 22:17:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
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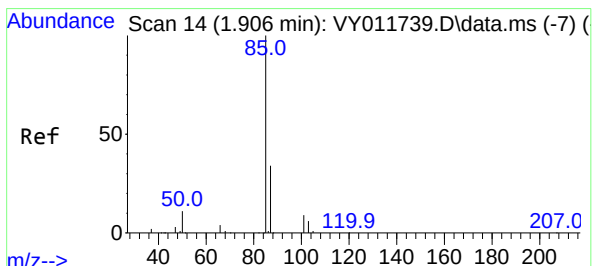
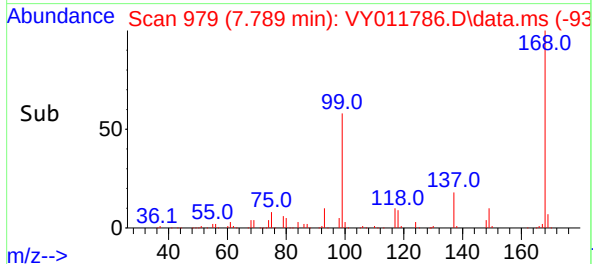
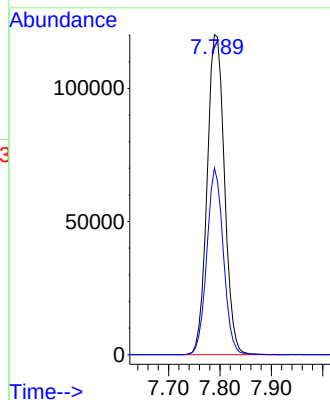


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

Instrument :
MSVOA_Y
ClientSampleId :
WASTE

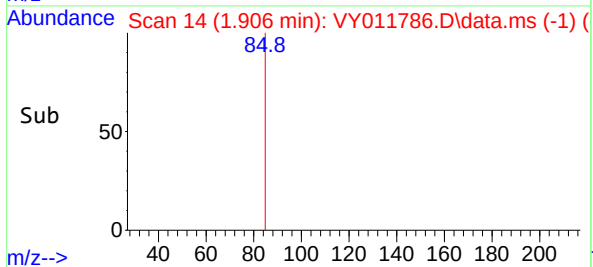
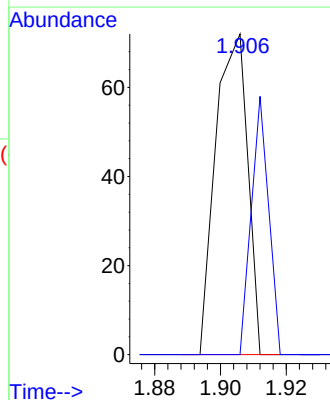
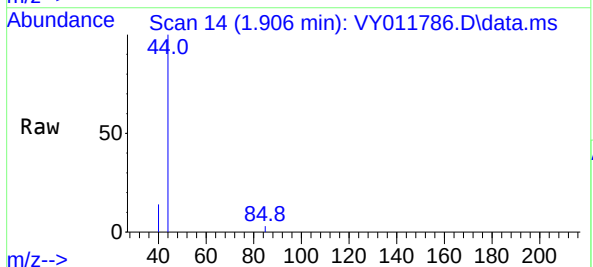


Tgt Ion:168 Resp: 281352
Ion Ratio Lower Upper
168 100
99 58.3 44.0 66.0

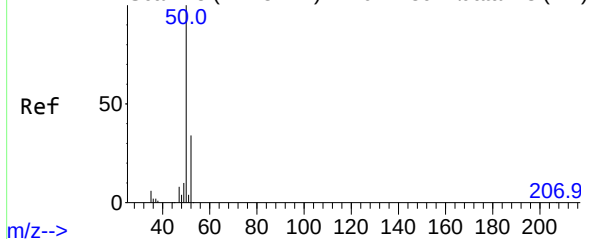


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

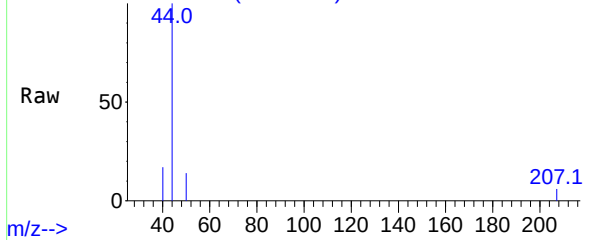
Tgt Ion: 85 Resp: 49
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



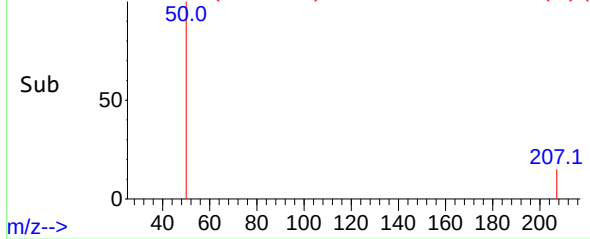
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011786.D\data.ms



Abundance Scan 49 (2.119 min): VY011786.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

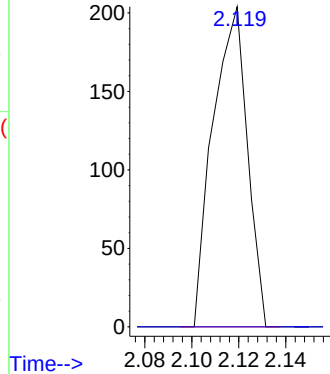
Tgt Ion: 50 Resp: 208

Ion Ratio Lower Upper

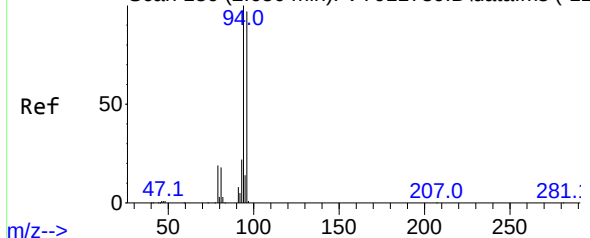
50 100

52 0.0 26.8 40.2#

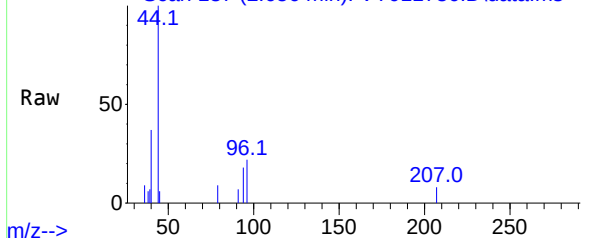
Abundance



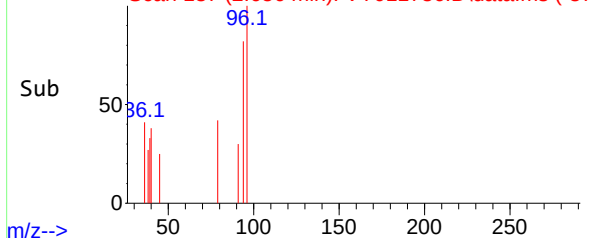
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 137 (2.656 min): VY011786.D\data.ms



Abundance Scan 137 (2.656 min): VY011786.D\data.ms (-87)



#5

Bromomethane

Concen: Below Cal

RT: 2.656 min Scan# 137

Delta R.T. 0.006 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

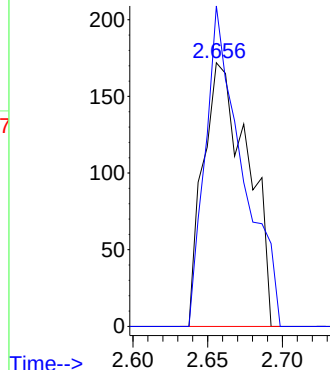
Tgt Ion: 94 Resp: 357

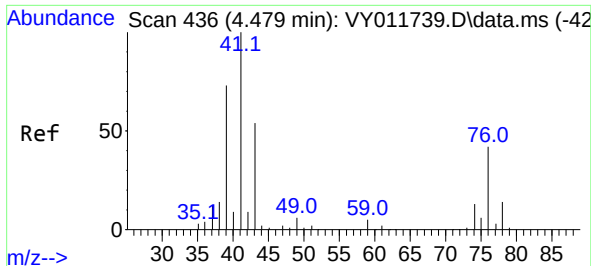
Ion Ratio Lower Upper

94 100

96 121.5 77.4 116.2#

Abundance

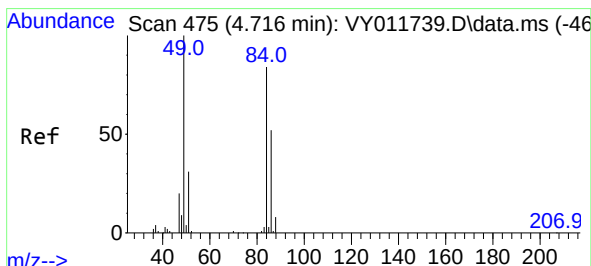
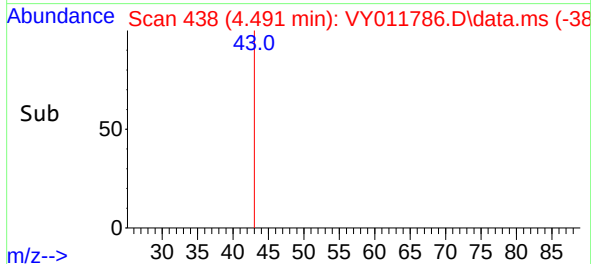
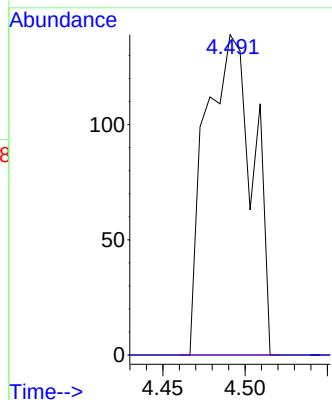
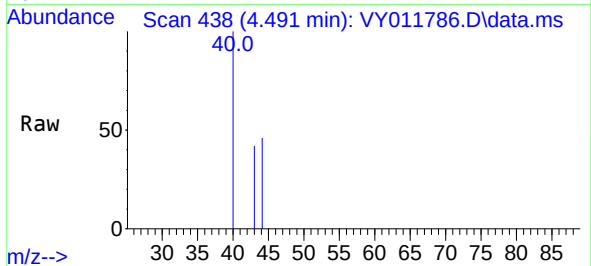




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

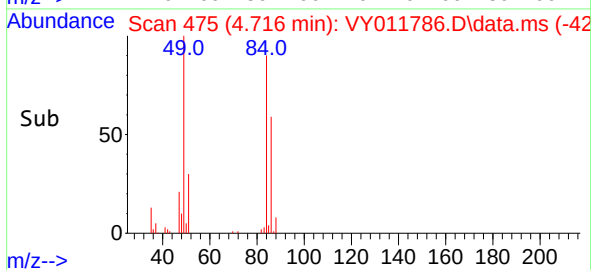
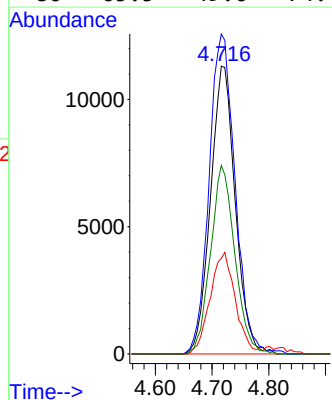
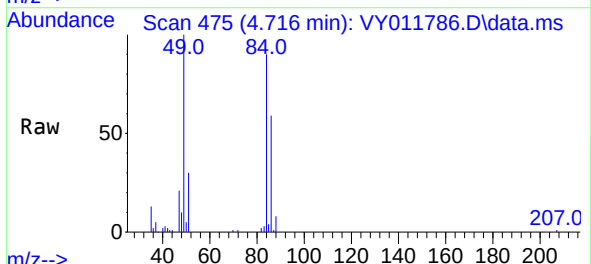
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

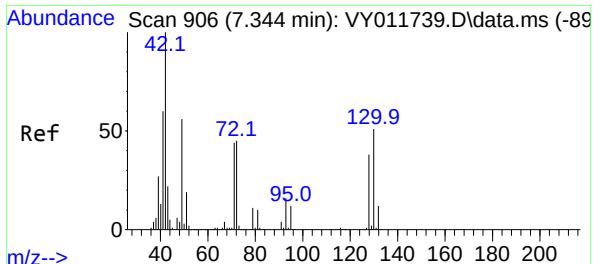
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 7.571 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

Tgt Ion: 84 Resp: 34338
Ion Ratio Lower Upper
84 100
49 111.2 95.4 143.2
51 33.3 29.9 44.9
86 65.5 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.042 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

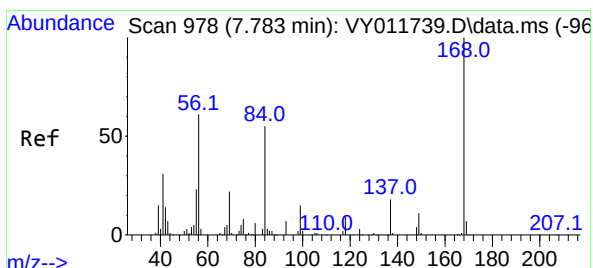
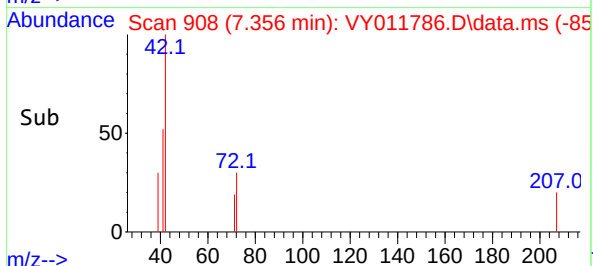
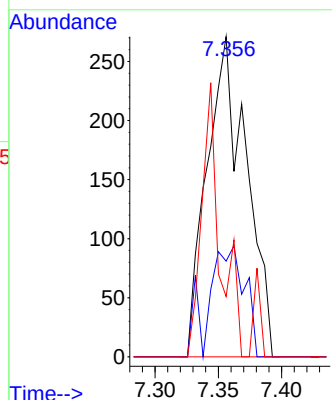
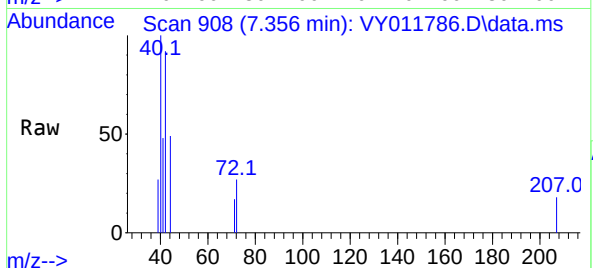
Tgt Ion: 42 Resp: 586

Ion Ratio Lower Upper

42 100

72 31.9 37.0 55.6#

71 40.3 34.9 52.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

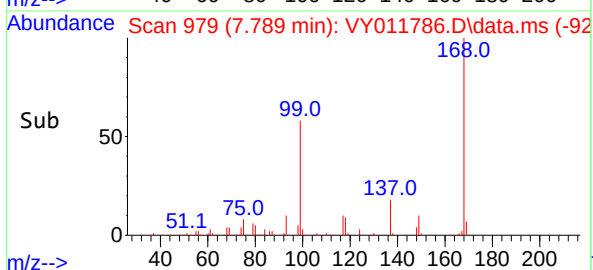
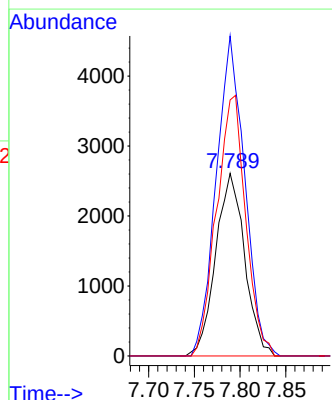
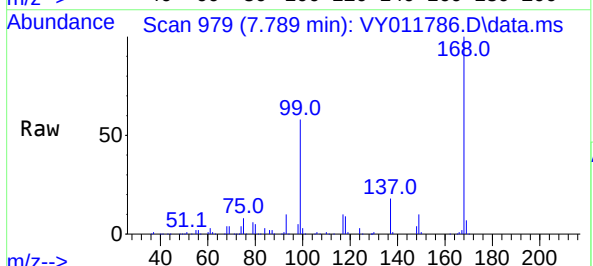
Tgt Ion: 56 Resp: 5759

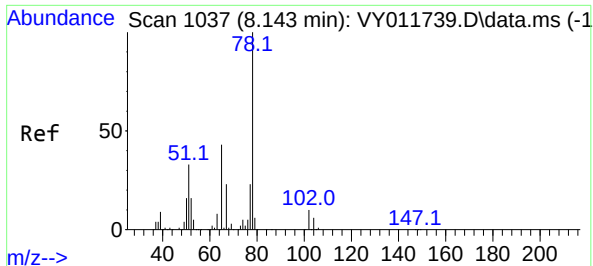
Ion Ratio Lower Upper

56 100

69 175.3 29.2 43.8#

84 140.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.659 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

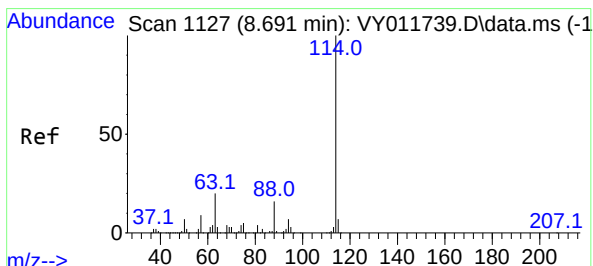
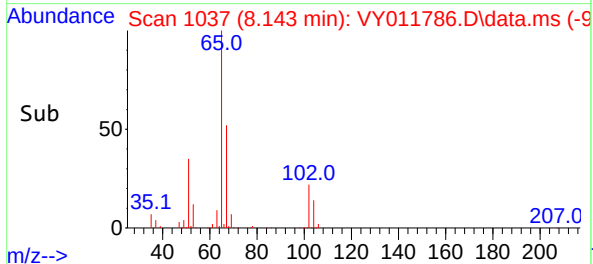
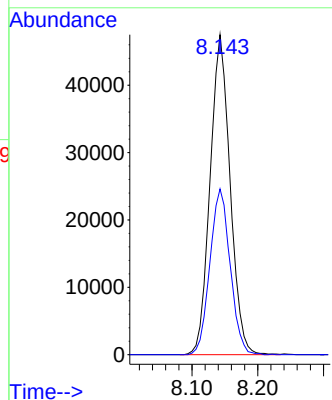
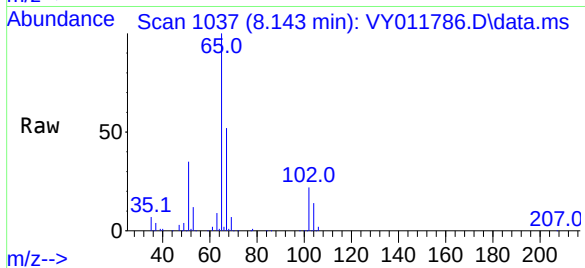
WASTE

Tgt Ion: 65 Resp: 100610

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

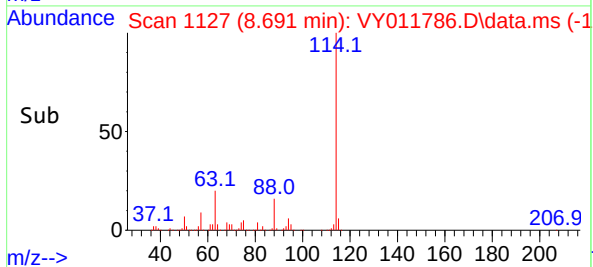
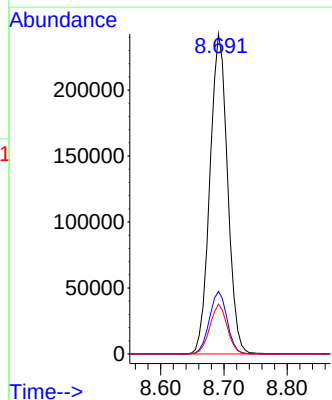
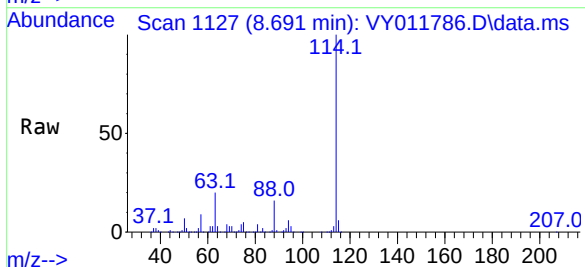
Tgt Ion: 114 Resp: 469775

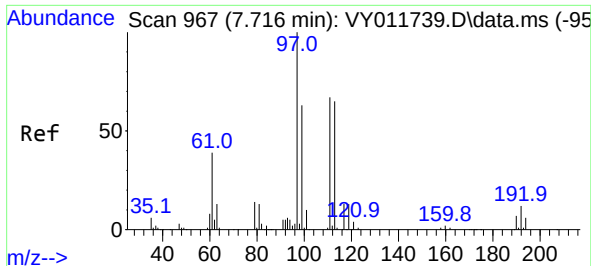
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.466 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

Instrument :

MSVOA_Y

ClientSampleId :

WASTE

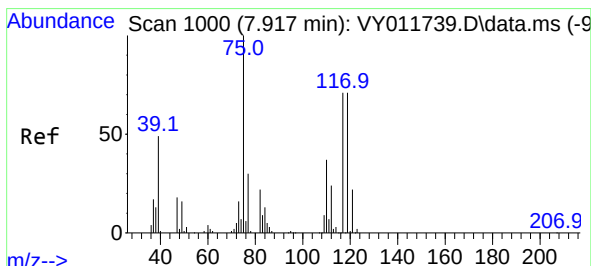
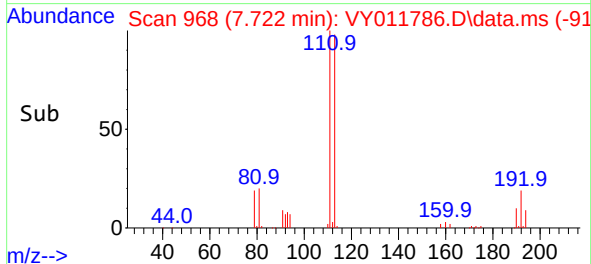
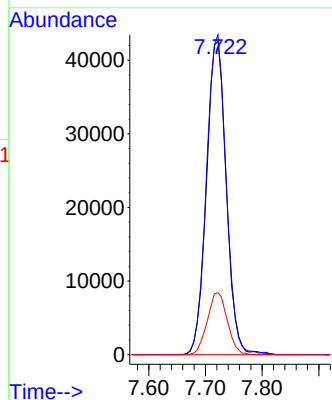
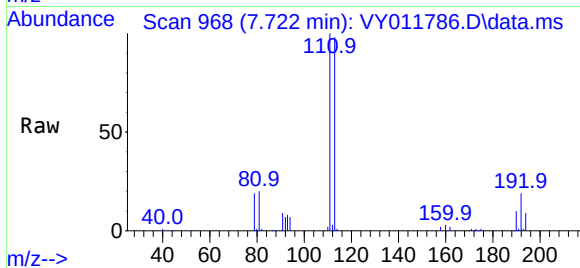
Tgt Ion:113 Resp: 103331

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 20.0 16.0 24.0



#36

1,1-Dichloropropene

Concen: 5.891 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY011786.D

Acq: 13 Dec 2022 12:24

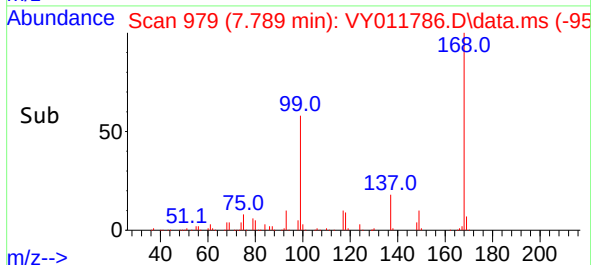
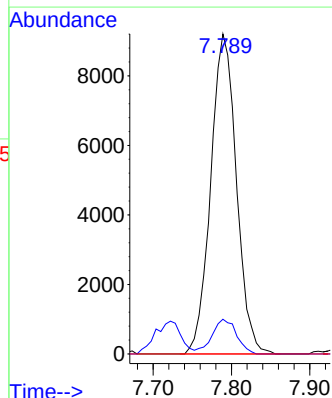
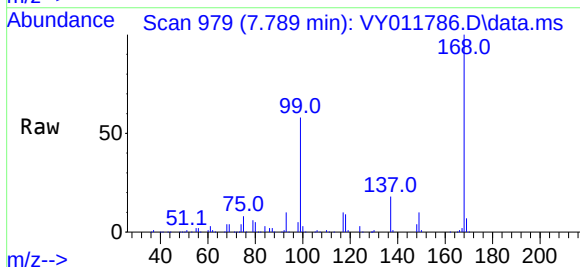
Tgt Ion: 75 Resp: 20999

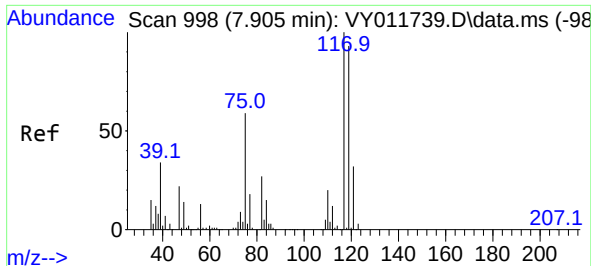
Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#

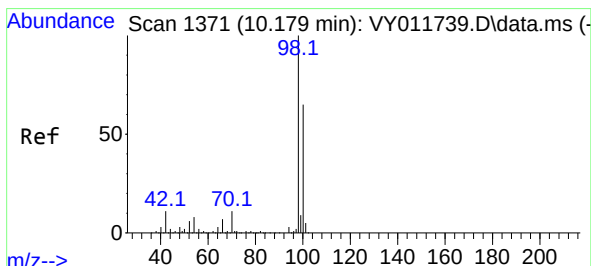
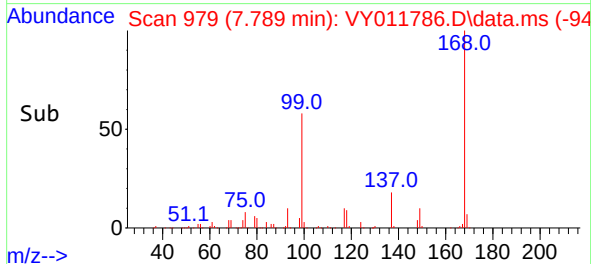
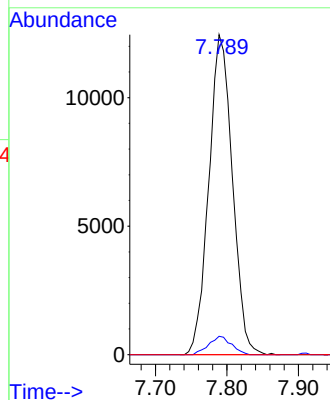
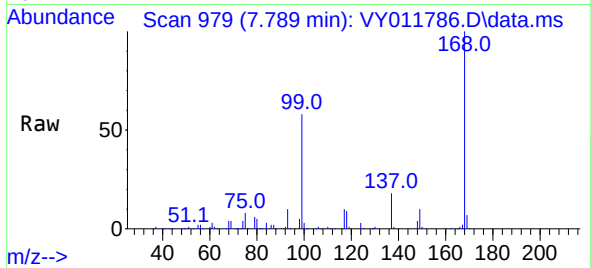




#38
Carbon Tetrachloride
Concen: 6.816 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

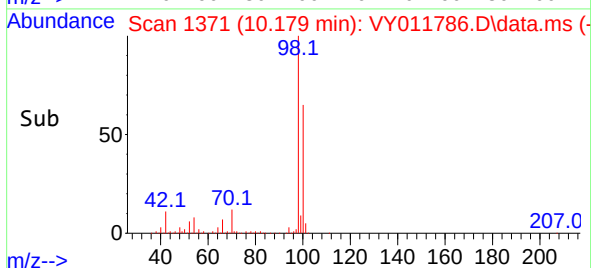
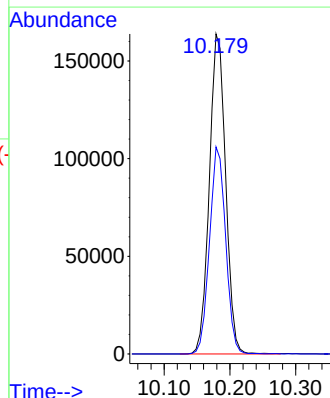
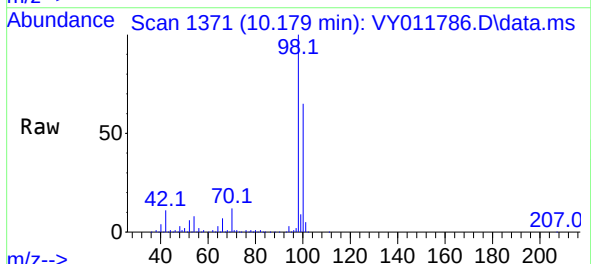
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

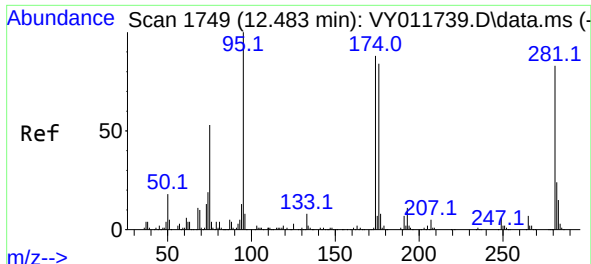
Tgt Ion:117 Resp: 28544
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 39.970 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

Tgt Ion: 98 Resp: 282626
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

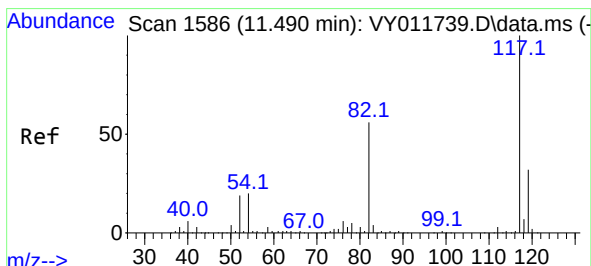
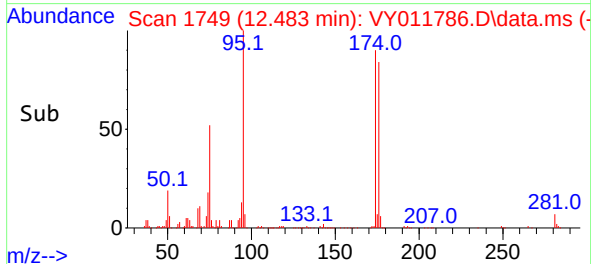
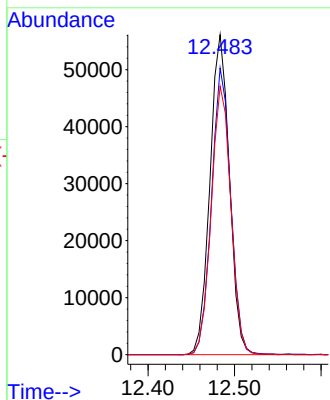
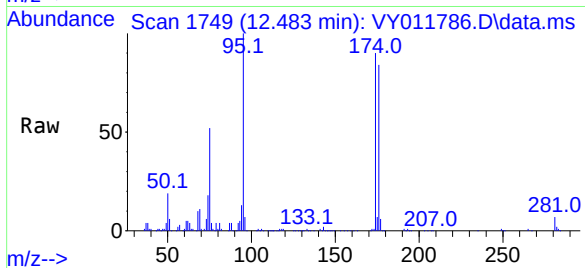




#62
4-Bromofluorobenzene
Concen: 30.412 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

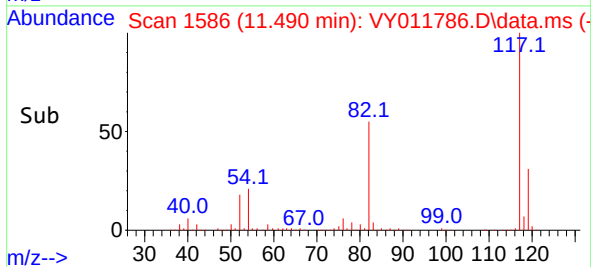
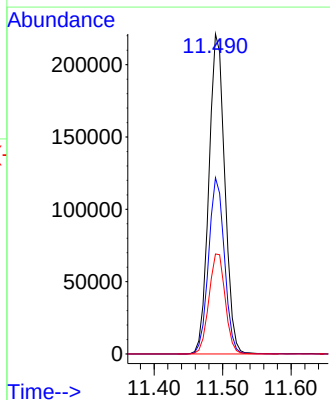
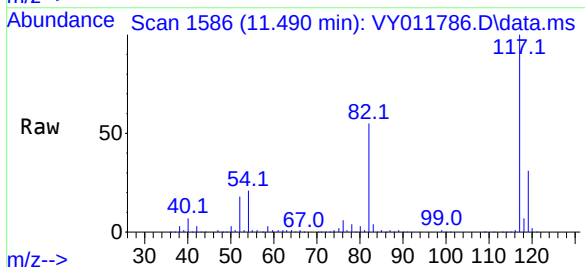
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

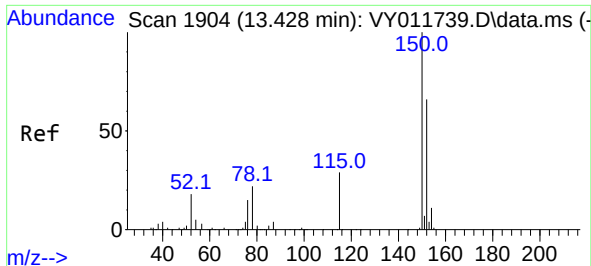
Tgt Ion: 95 Resp: 87705
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.0
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

Tgt Ion: 117 Resp: 357962
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 31.3 25.4 38.2

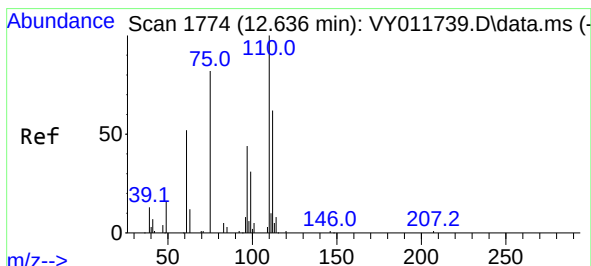
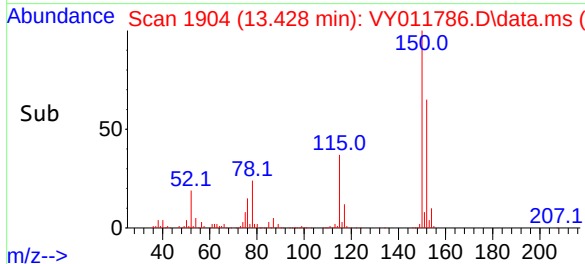
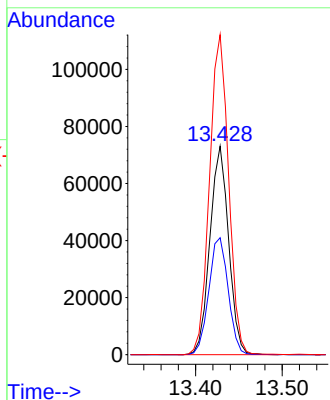
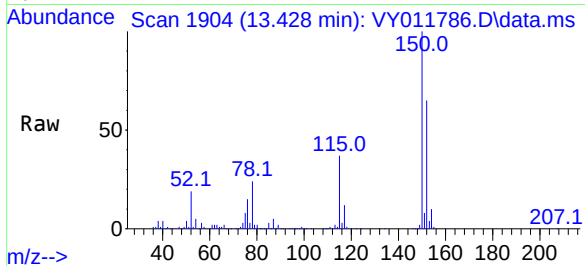




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

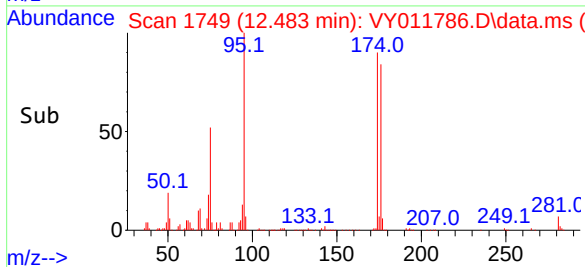
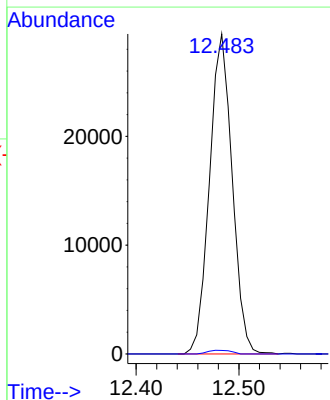
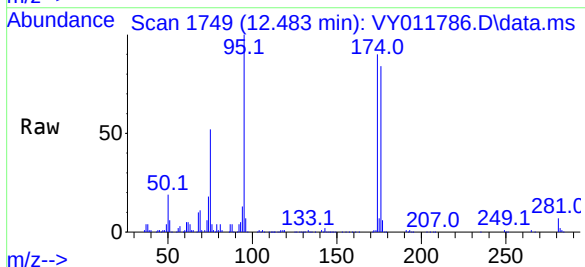
Instrument :
MSVOA_Y
ClientSampleId :
WASTE

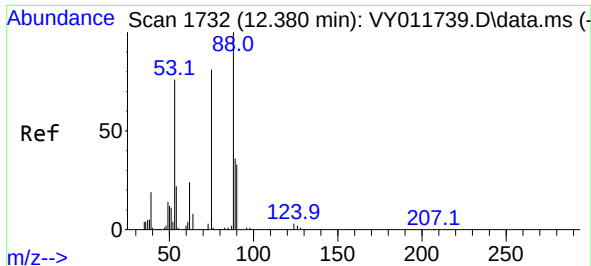
Tgt Ion:152 Resp: 109884
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.3
150 156.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 40.471 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011786.D
Acq: 13 Dec 2022 12:24

Tgt Ion: 75 Resp: 44993
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.837 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011786.D
 Acq: 13 Dec 2022 12:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 WASTE

Tgt Ion: 75 Resp: 44993
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

