

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011880.D
 Acq On : 15 Dec 2022 18:23
 Operator : KP/MD
 Sample : N6038-26
 Misc : 4.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-42-(0-2)

Quant Time: Dec 16 00:15:54 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)

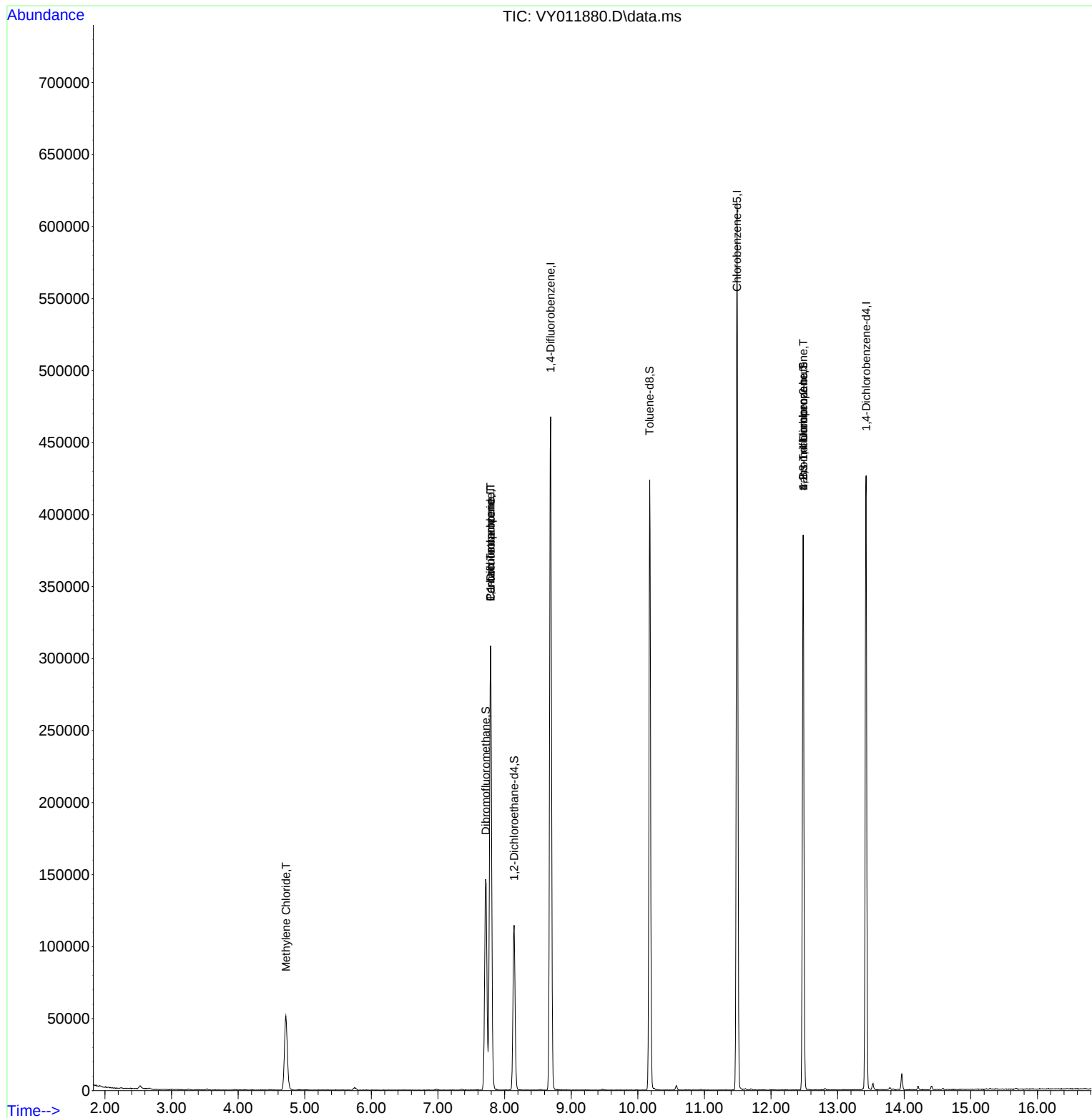
Internal Standards						
1) Pentafluorobenzene	7.789	168	240856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	325261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91663	56.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.760%	
35) Dibromofluoromethane	7.716	113	104531	58.471	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.940%	
50) Toluene-d8	10.179	98	276639	46.156	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.320%	
62) 4-Bromofluorobenzene	12.483	95	109241	45.927	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	19	Below Cal	#	41
3) Chloromethane	2.119	50	23	Below Cal	#	41
5) Bromomethane	2.668	94	118	Below Cal		83
11) Tert butyl alcohol	4.936	59	124	Below Cal	#	74
18) Methyl Acetate	4.479	43	600	Below Cal	#	65
20) Methylene Chloride	4.716	84	39381	12.404	ug/l	99
31) Cyclohexane	7.789	56	4772	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	17709	5.734	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23070	6.360	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	56938	49.383	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56938	112.060	ug/l #	13

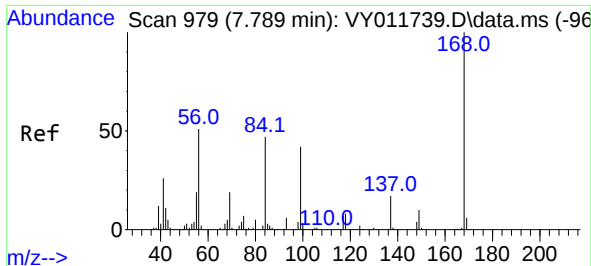
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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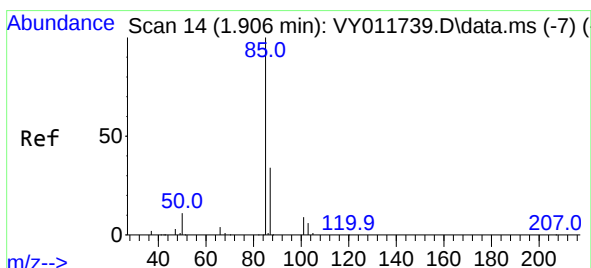
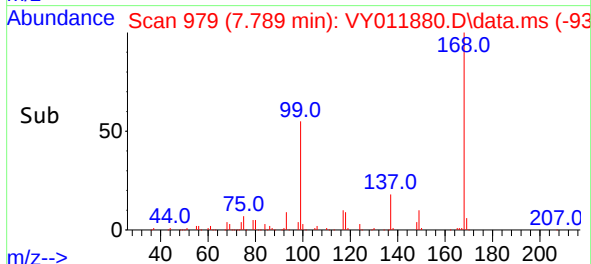
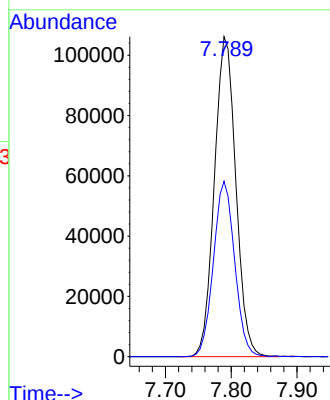
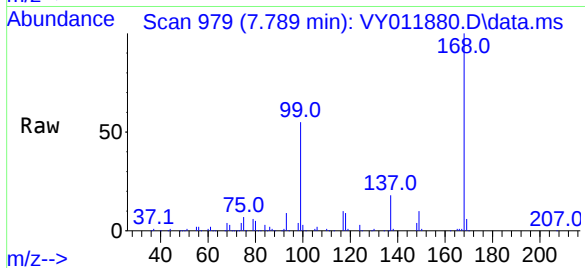




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

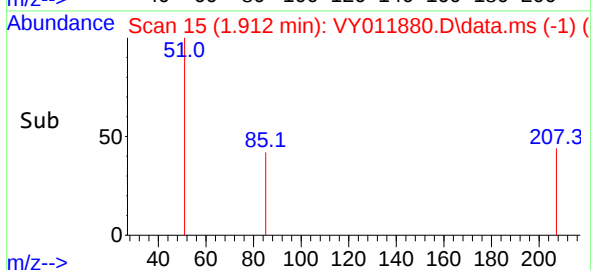
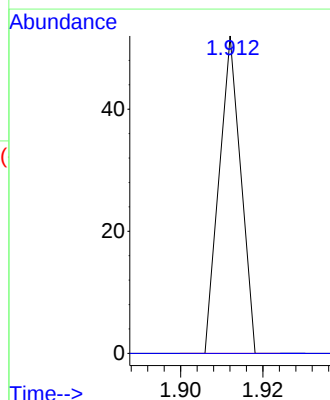
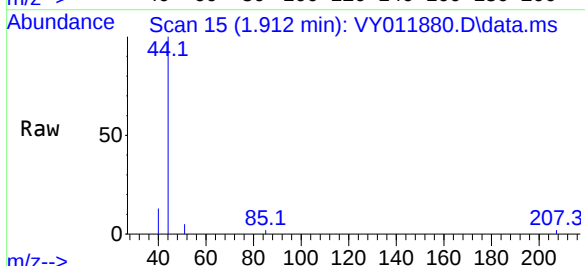
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(0-2)

Tgt Ion:168 Resp: 240856
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0

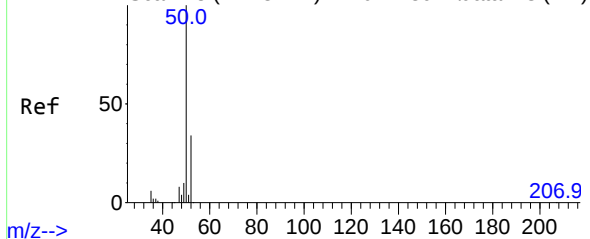


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

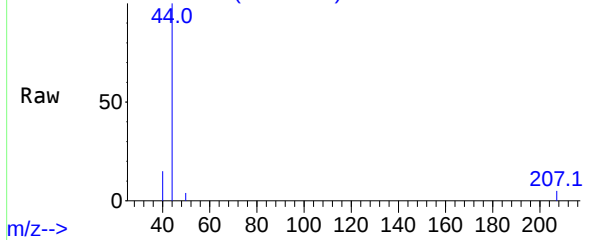
Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



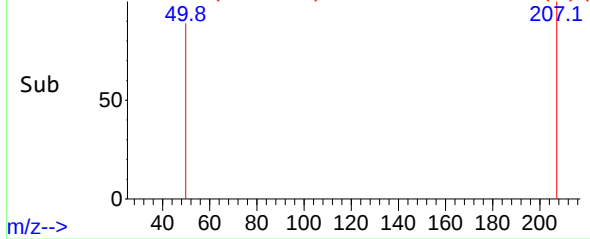
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



Abundance Scan 49 (2.119 min): VY011880.D\data.ms



Abundance Scan 49 (2.119 min): VY011880.D\data.ms (-1)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011880.D

Acq: 15 Dec 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

RB-42-(0-2)

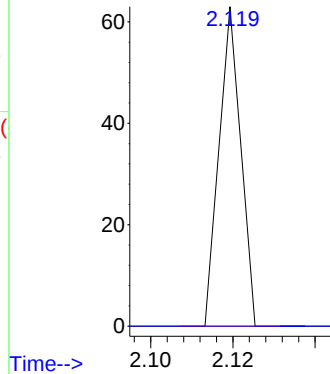
Tgt Ion: 50 Resp: 23

Ion Ratio Lower Upper

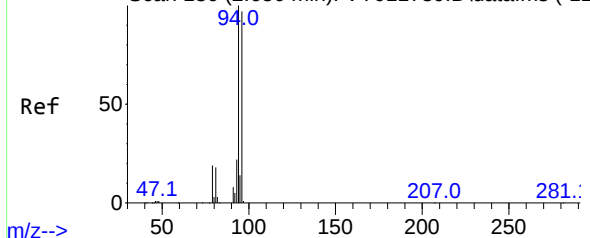
50 100

52 0.0 26.8 40.2#

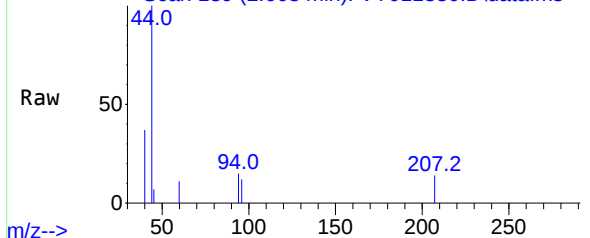
Abundance



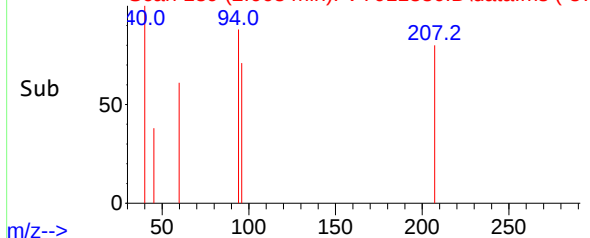
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 139 (2.668 min): VY011880.D\data.ms



Abundance Scan 139 (2.668 min): VY011880.D\data.ms (-87)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY011880.D

Acq: 15 Dec 2022 18:23

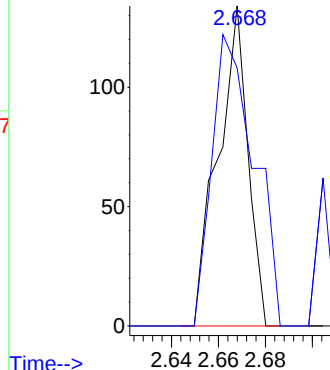
Tgt Ion: 94 Resp: 118

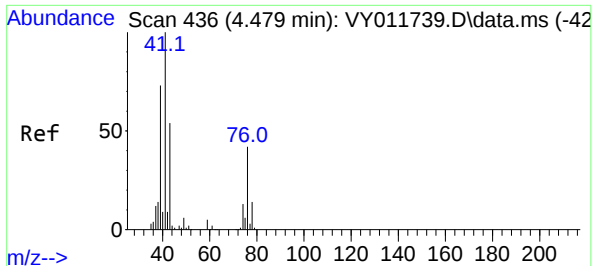
Ion Ratio Lower Upper

94 100

96 80.6 77.4 116.2

Abundance





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY011880.D

Acq: 15 Dec 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

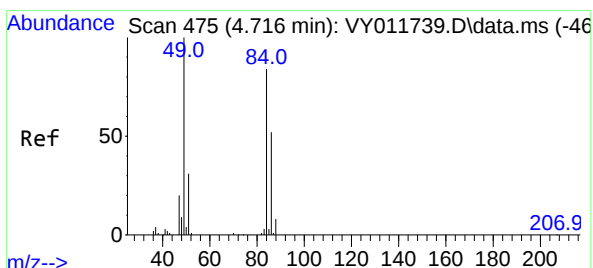
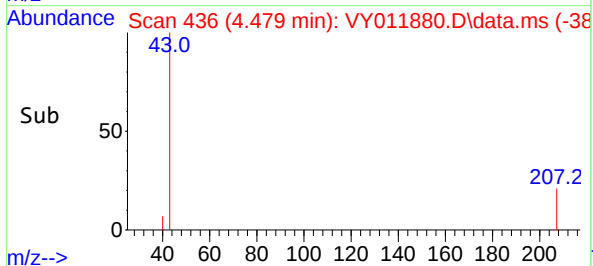
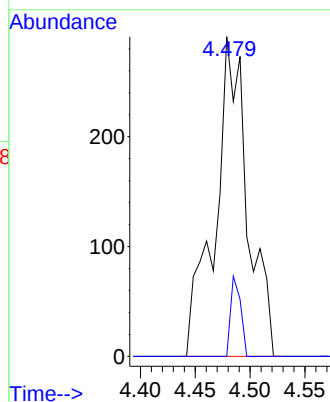
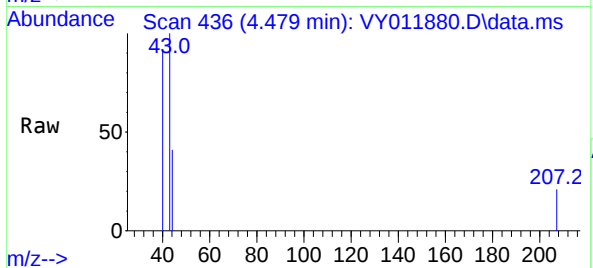
RB-42-(0-2)

Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

74 7.7 20.1 30.1#



#20

Methylene Chloride

Concen: 12.404 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY011880.D

Acq: 15 Dec 2022 18:23

Tgt Ion: 84 Resp: 39381

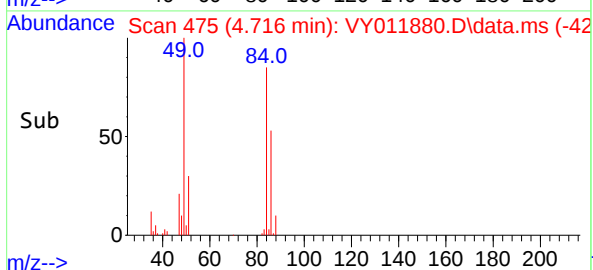
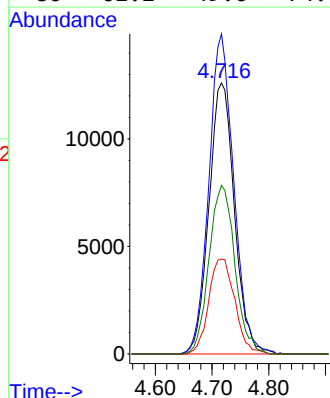
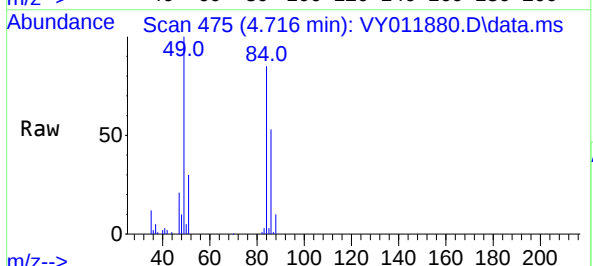
Ion Ratio Lower Upper

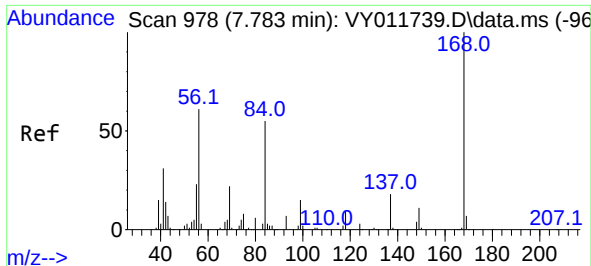
84 100

49 118.0 95.4 143.2

51 35.0 29.9 44.9

86 62.2 49.6 74.4

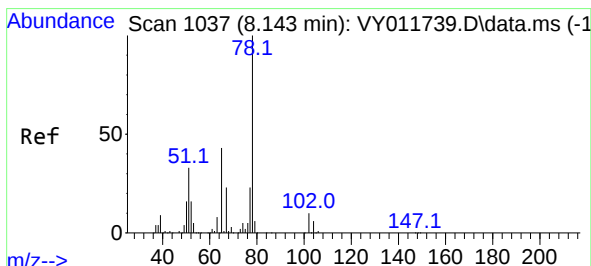
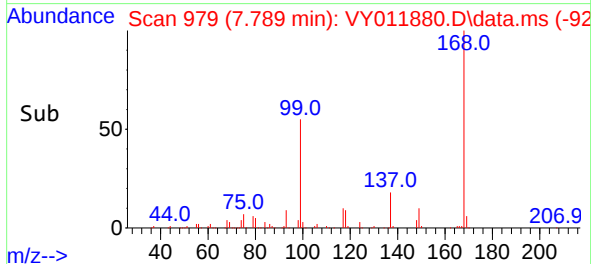
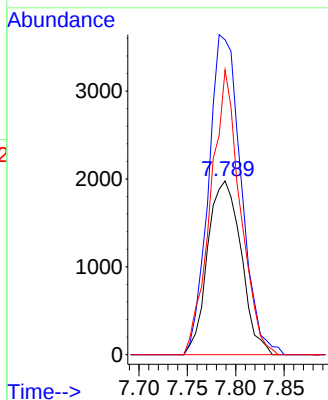
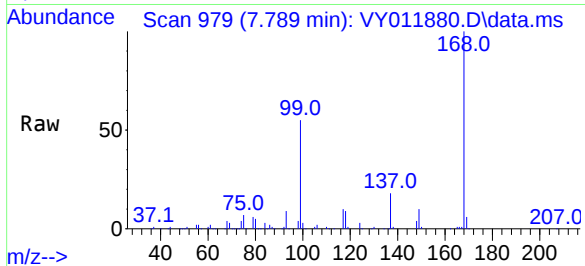




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

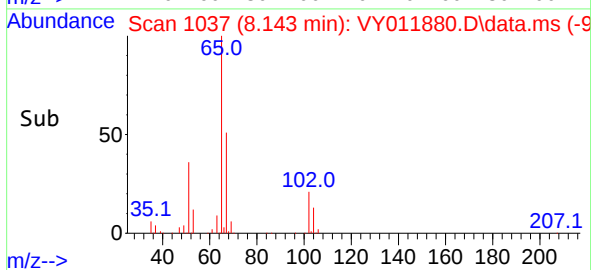
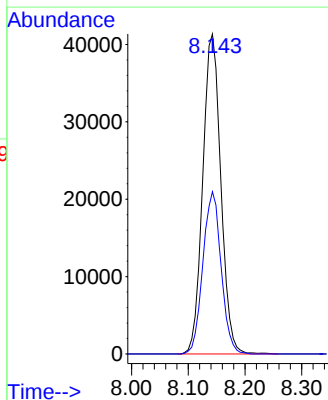
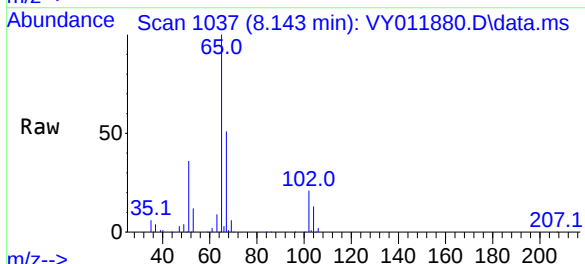
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(0-2)

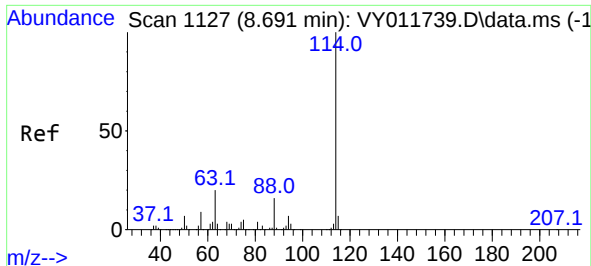
Tgt Ion: 56 Resp: 4772
Ion Ratio Lower Upper
56 100
69 181.1 29.2 43.8#
84 163.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 56.383 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Tgt Ion: 65 Resp: 91663
Ion Ratio Lower Upper
65 100
67 51.0 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: VY011880.D

Acq: 15 Dec 2022 18:23

Instrument :

MSVOA_Y

ClientSampleId :

RB-42-(0-2)

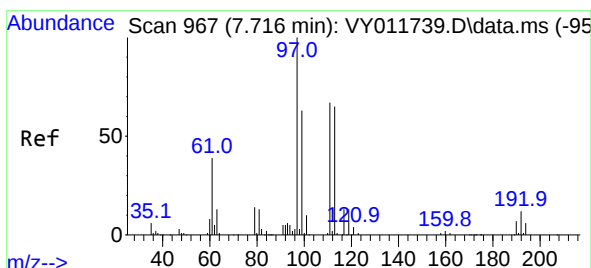
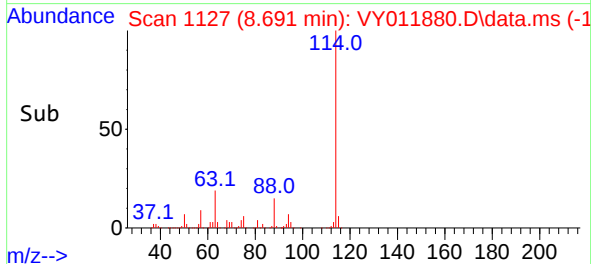
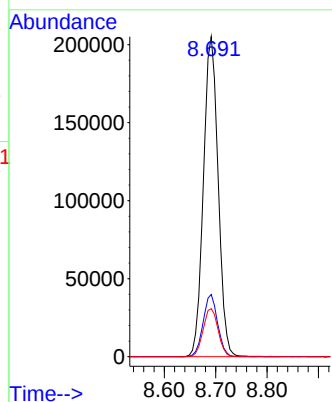
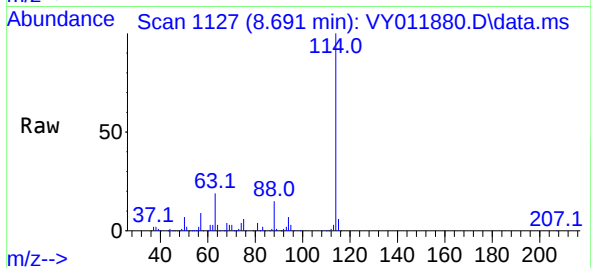
Tgt Ion:114 Resp: 406962

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 58.471 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011880.D

Acq: 15 Dec 2022 18:23

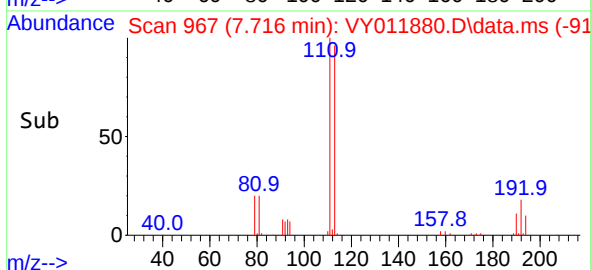
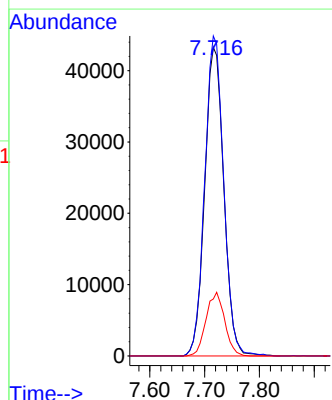
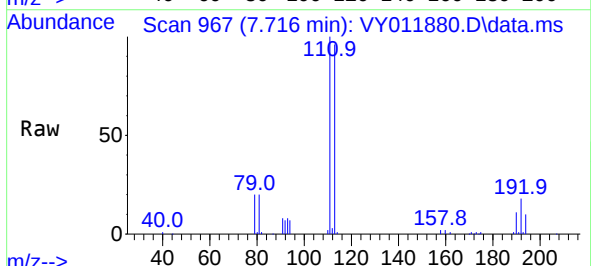
Tgt Ion:113 Resp: 104531

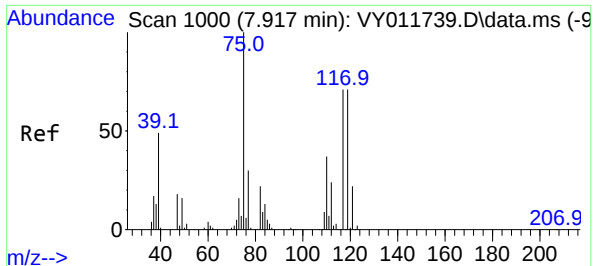
Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

192 20.1 16.0 24.0

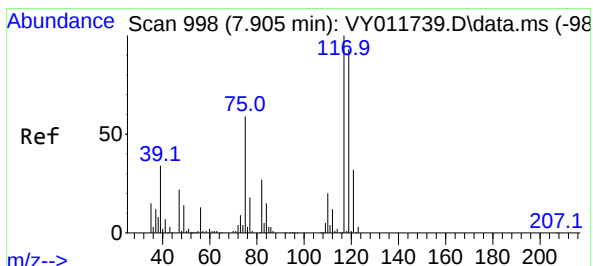
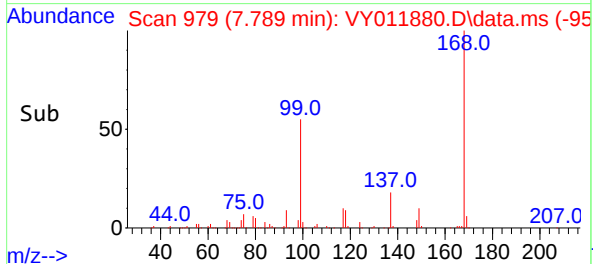
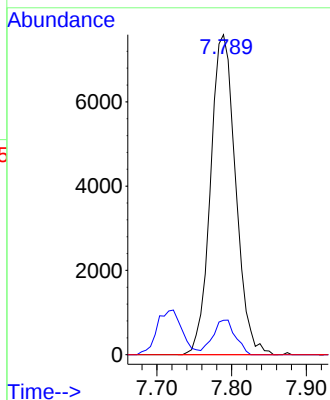
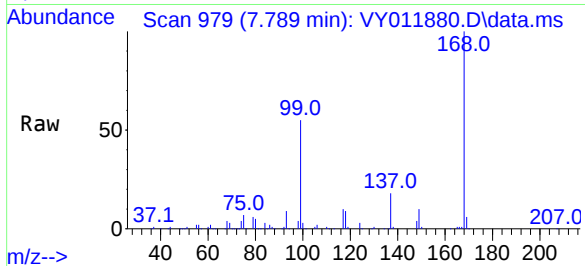




#36
1,1-Dichloropropene
Concen: 5.734 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

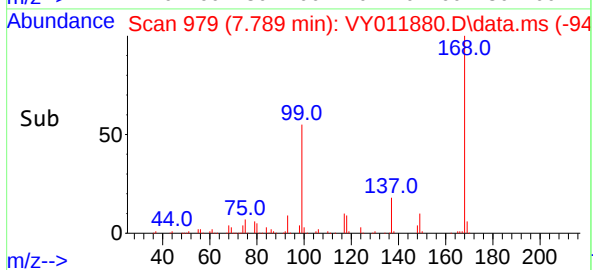
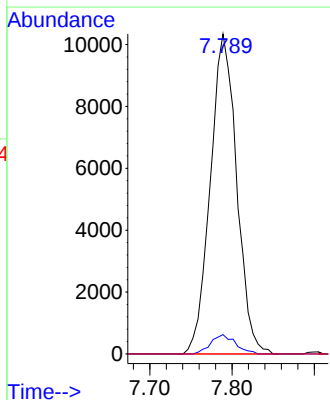
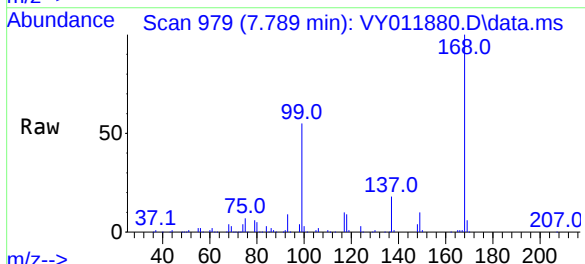
Instrument :
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RB-42-(0-2)

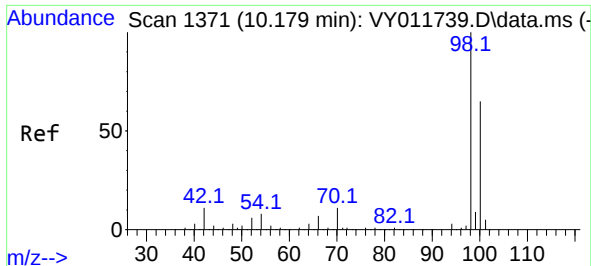
Tgt Ion: 75 Resp: 17709
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Tgt Ion: 117 Resp: 23070
Ion Ratio Lower Upper
117 100
119 6.0 73.8 110.8#
121 0.0 25.2 37.8#

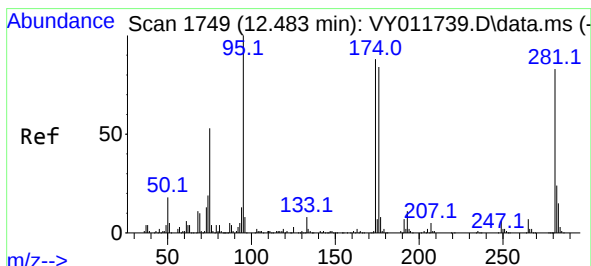
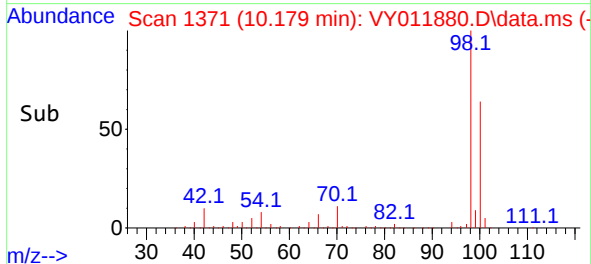
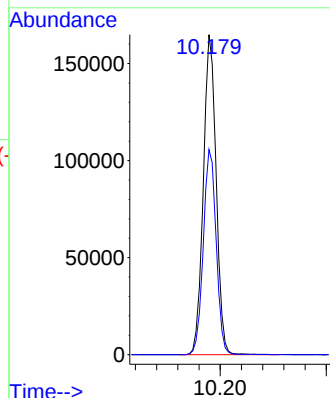
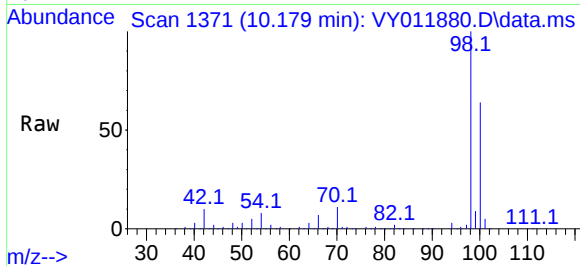




#50
Toluene-d8
Concen: 46.156 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

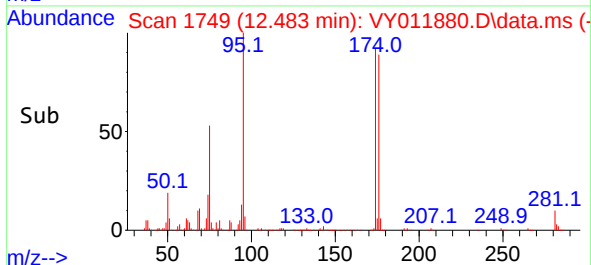
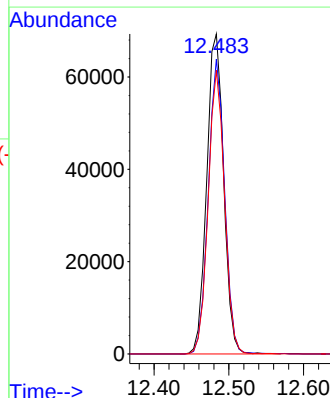
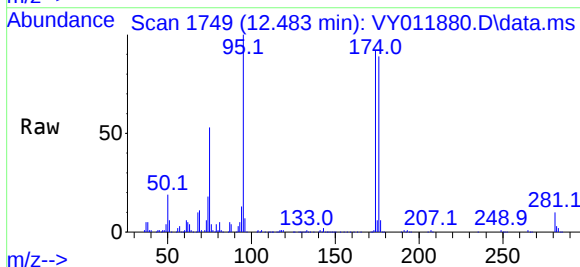
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(0-2)

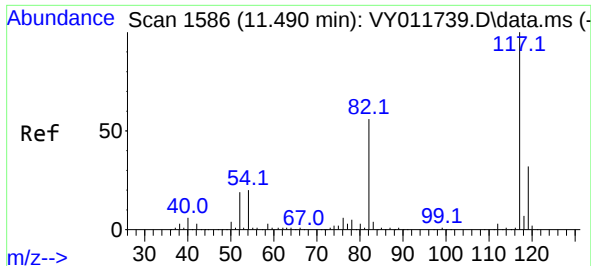
Tgt Ion: 98 Resp: 276639
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.927 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Tgt Ion: 95 Resp: 109241
Ion Ratio Lower Upper
95 100
174 89.1 0.0 172.0
176 85.7 0.0 167.6

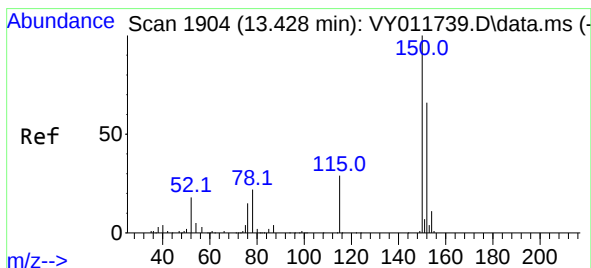
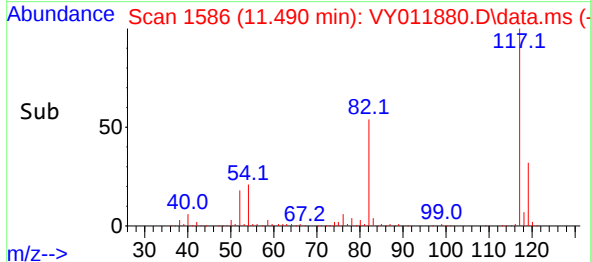
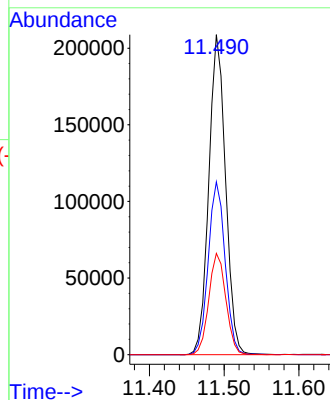
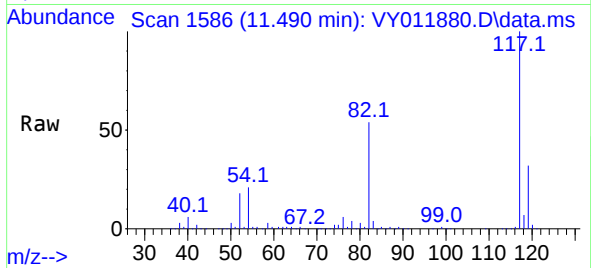




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

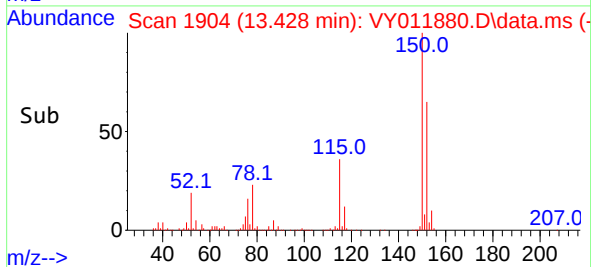
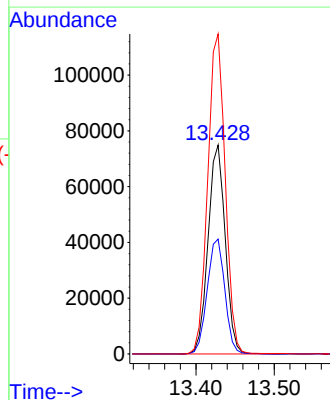
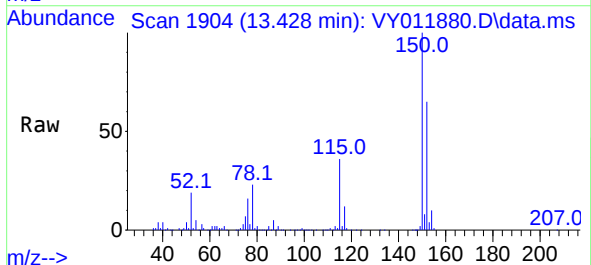
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(0-2)

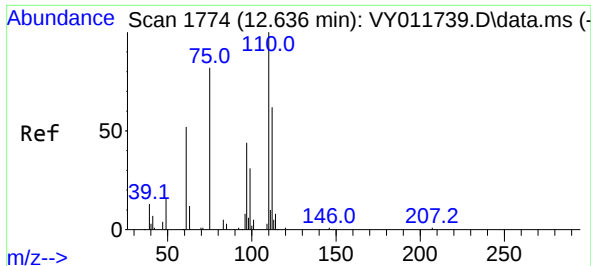
Tgt Ion:117 Resp: 325261
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Tgt Ion:152 Resp: 113961
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 155.7 0.0 342.6

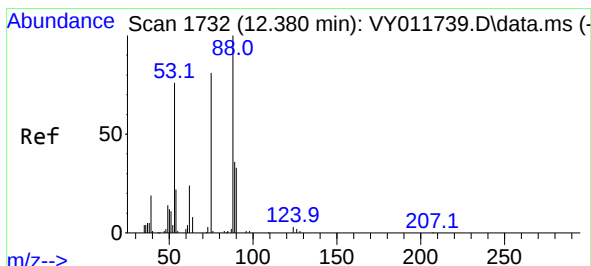
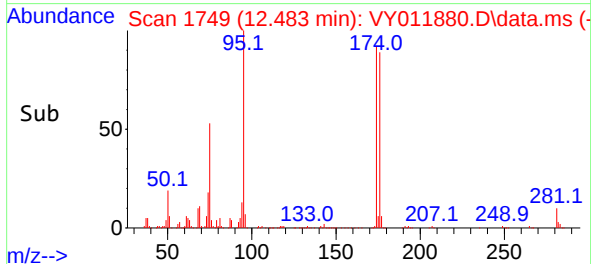
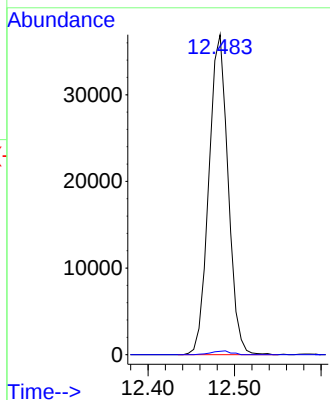
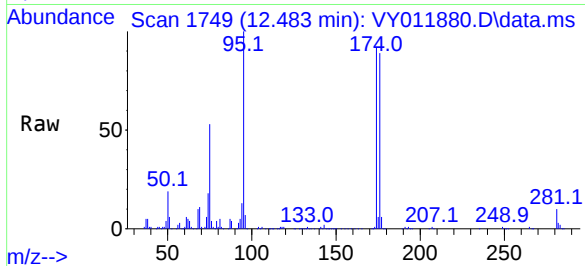




#76
1,2,3-Trichloropropane
Concen: 49.383 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(0-2)

Tgt Ion: 75 Resp: 56938
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.060 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011880.D
Acq: 15 Dec 2022 18:23

Tgt Ion: 75 Resp: 56938
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

