

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011865.D
 Acq On : 15 Dec 2022 12:43
 Operator : KP/MD
 Sample : N6038-12
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-35-(2.5-4.5)

Quant Time: Dec 16 00:13:46 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)

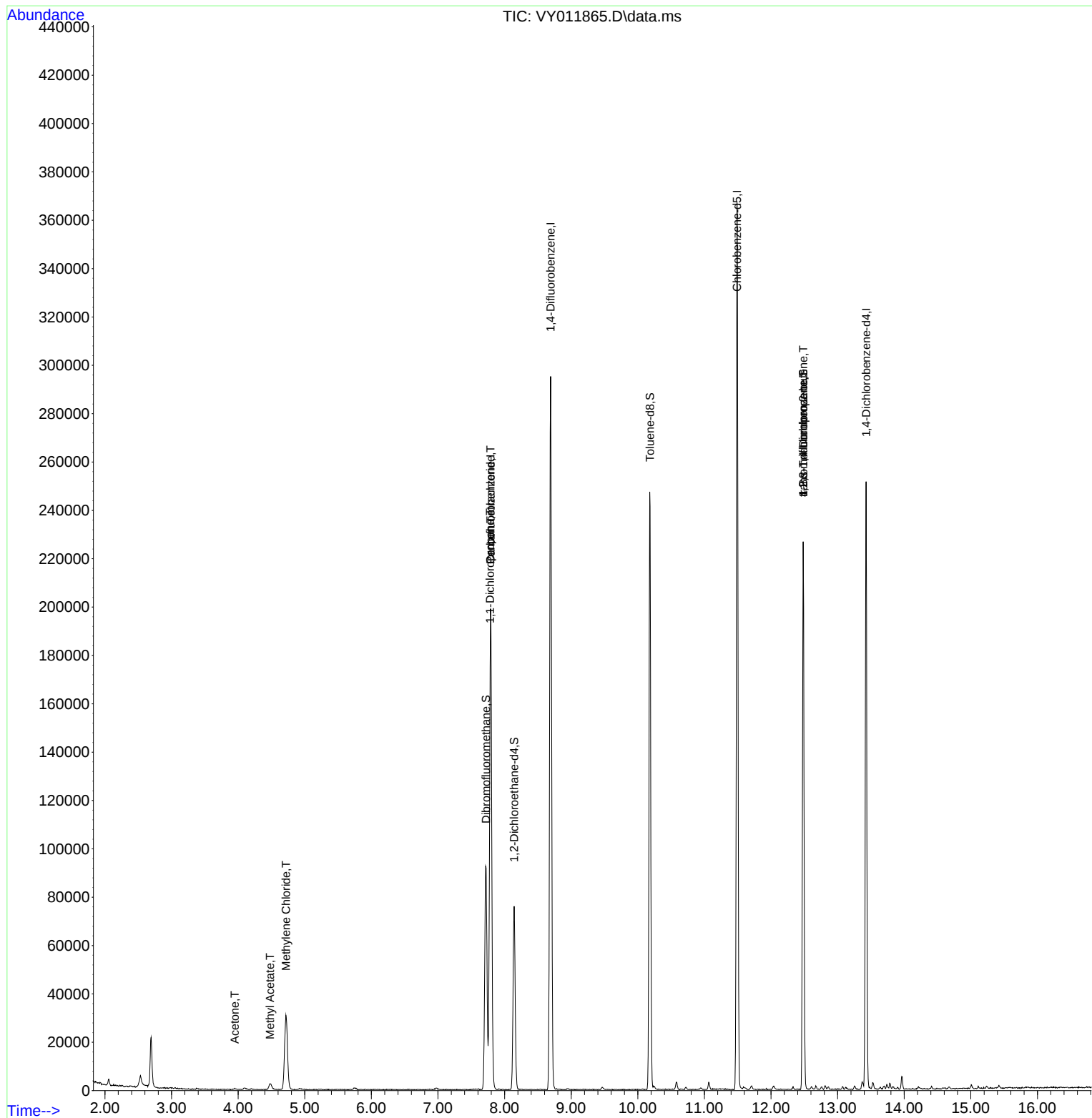
Internal Standards						
1) Pentafluorobenzene	7.789	168	155886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	60140	57.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.460%	
35) Dibromofluoromethane	7.722	113	66121	58.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.700%	
50) Toluene-d8	10.185	98	166294	43.381	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.760%	
62) 4-Bromofluorobenzene	12.483	95	65364	43.077	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.160%	
Target Compounds						
3) Chloromethane	2.119	50	304	Below Cal	#	41
5) Bromomethane	2.662	94	432	Below Cal		96
11) Tert butyl alcohol	4.936	59	579	Below Cal	#	74
16) Acetone	3.948	43	559	1.313	ug/l #	86
18) Methyl Acetate	4.479	43	4855	3.141	ug/l	99
20) Methylene Chloride	4.716	84	23693	11.061	ug/l	96
31) Cyclohexane	7.789	56	3293	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11767	6.012	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15957	6.940	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	33367	50.939	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33367	115.591	ug/l #	13

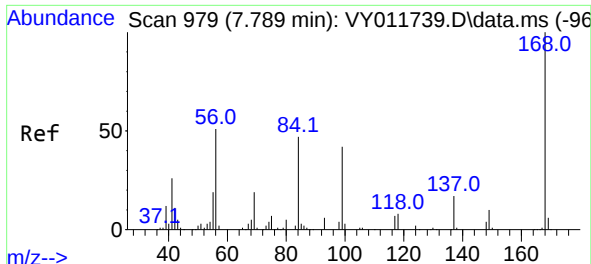
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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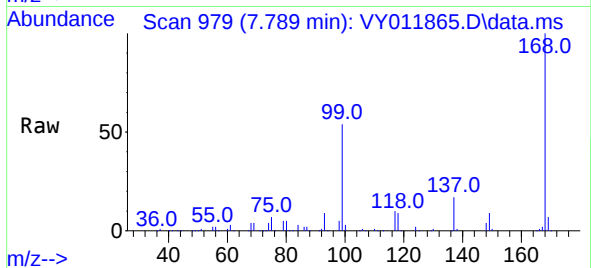
Quant Time: Dec 16 00:13:46 2022
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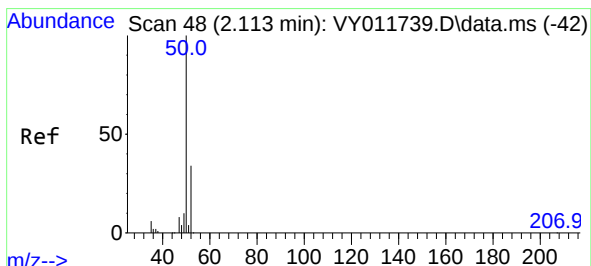
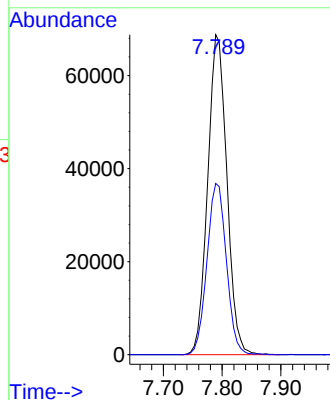
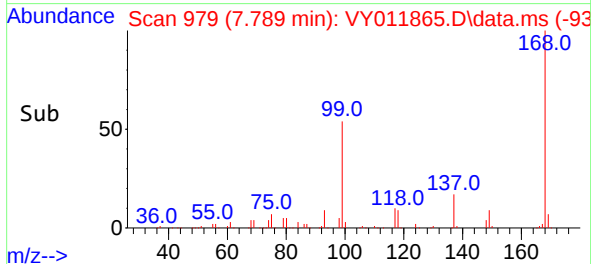


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

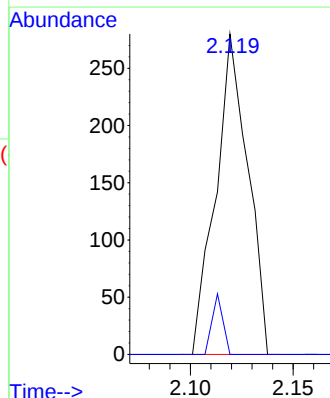
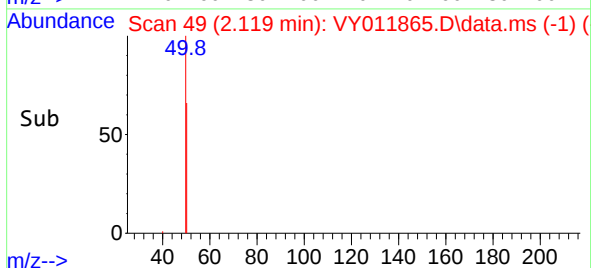
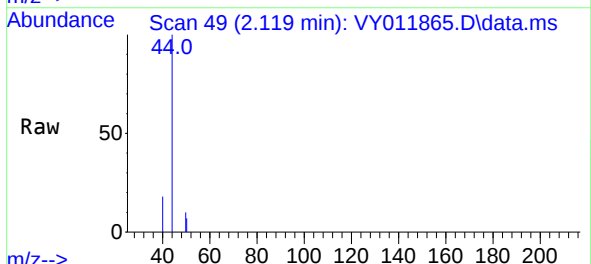


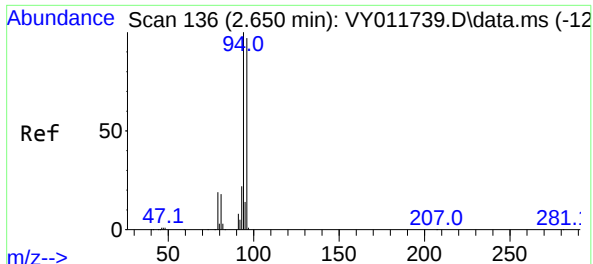
Tgt Ion:168 Resp: 155886
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion: 50 Resp: 304
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

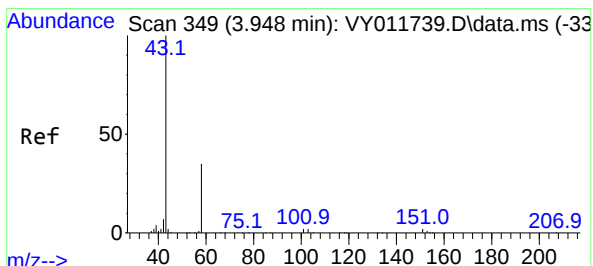
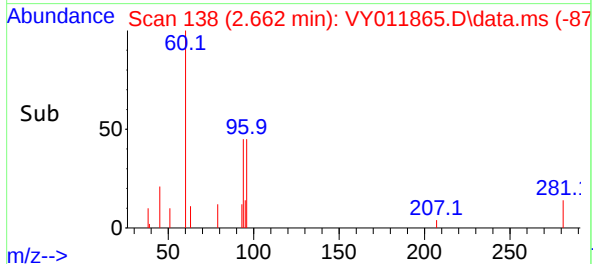
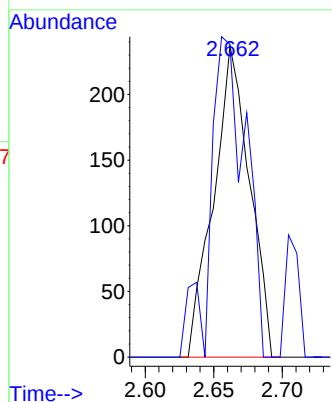
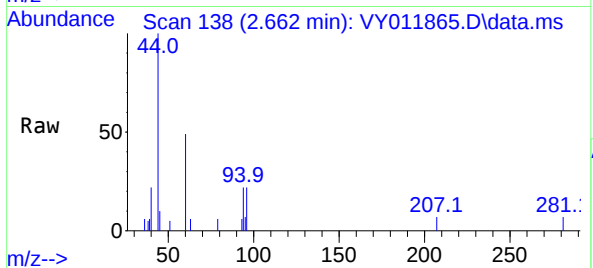




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

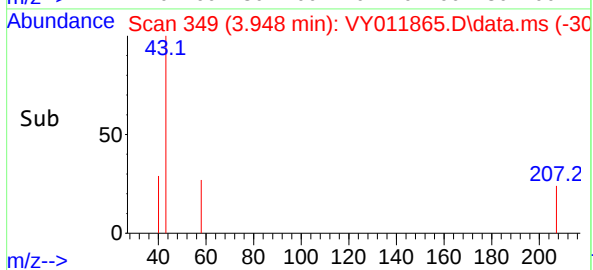
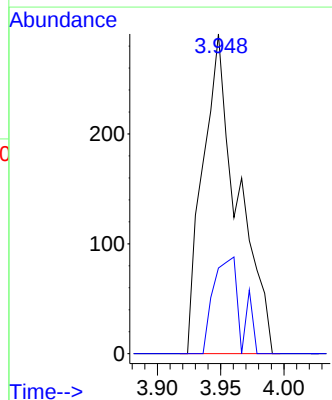
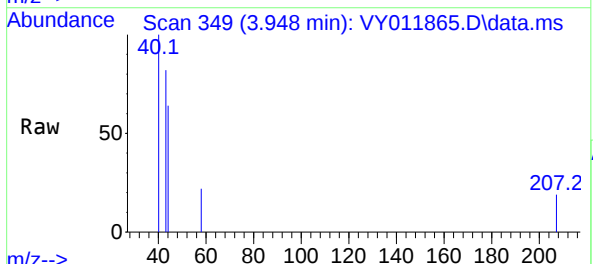
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

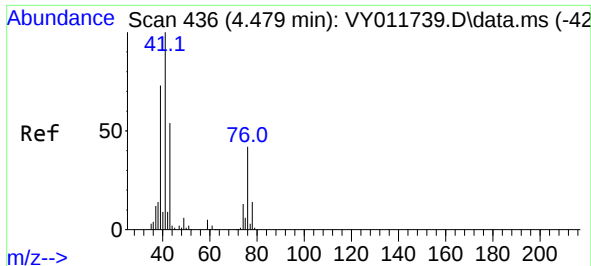
Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 100.4 77.4 116.2



#16
Acetone
Concen: 1.313 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
58 26.8 27.9 41.9#

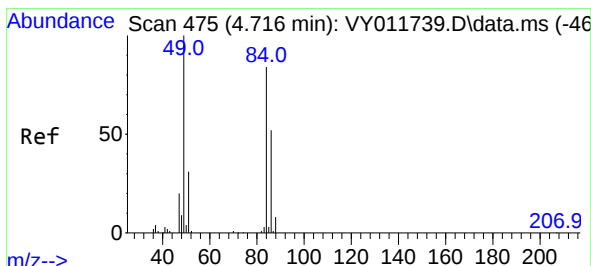
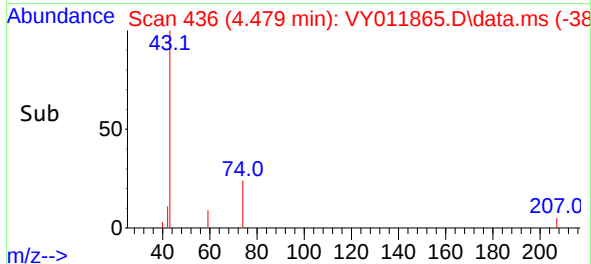
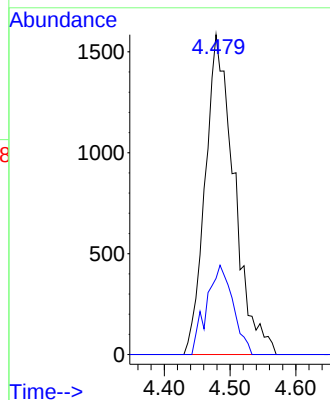
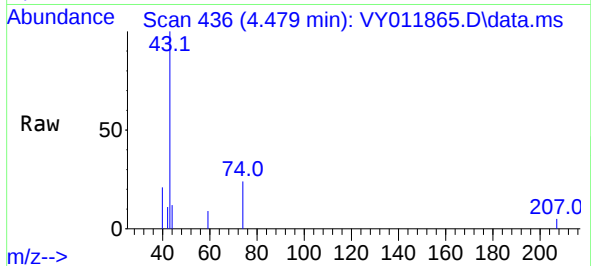




#18
Methyl Acetate
Concen: 3.141 ug/l
RT: 4.479 min Scan# 418
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

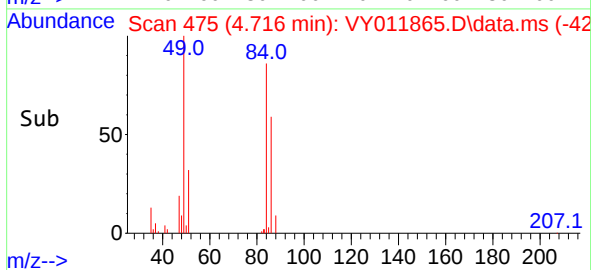
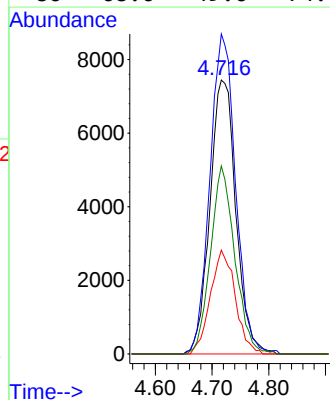
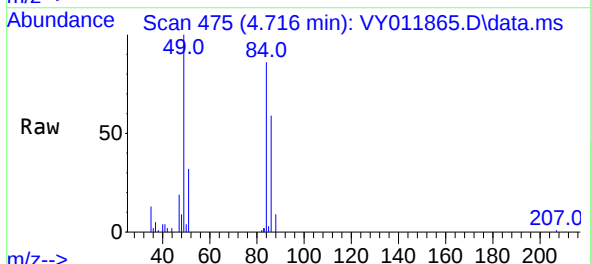
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

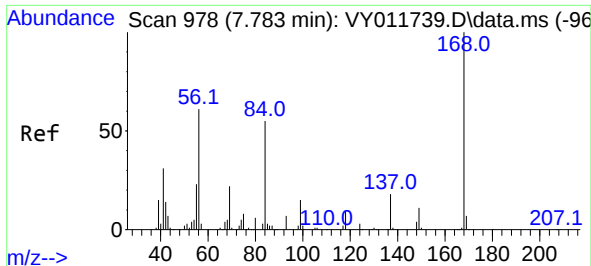
Tgt Ion: 43 Resp: 4855
Ion Ratio Lower Upper
43 100
74 25.4 20.1 30.1



#20
Methylene Chloride
Concen: 11.061 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

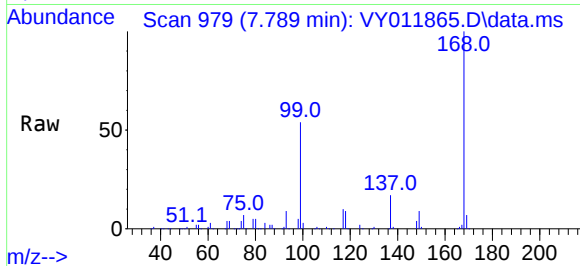
Tgt Ion: 84 Resp: 23693
Ion Ratio Lower Upper
84 100
49 116.8 95.4 143.2
51 37.9 29.9 44.9
86 68.6 49.6 74.4



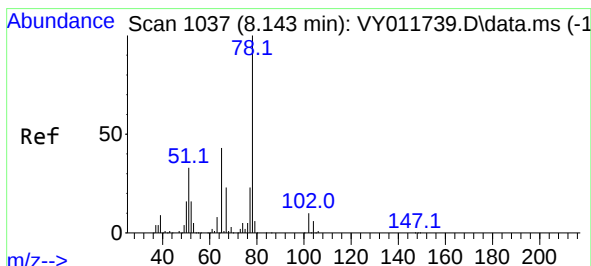
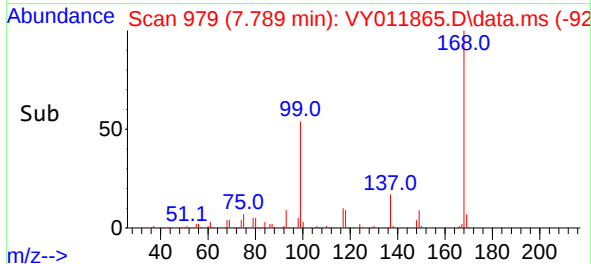
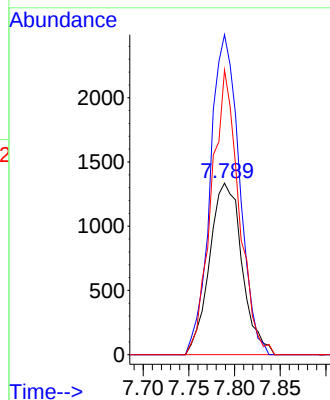


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

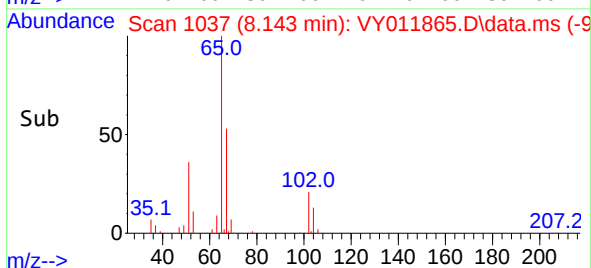
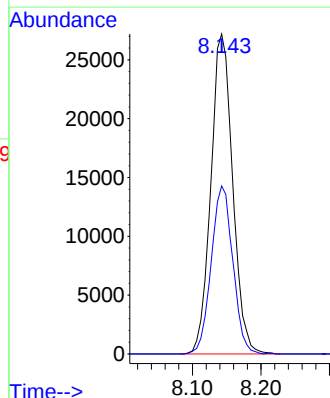
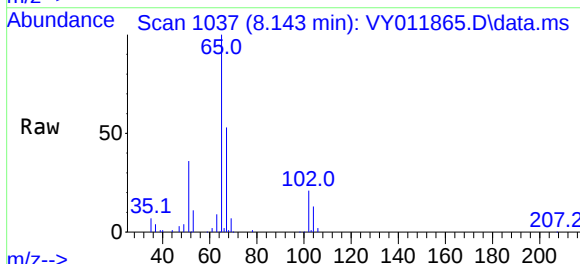


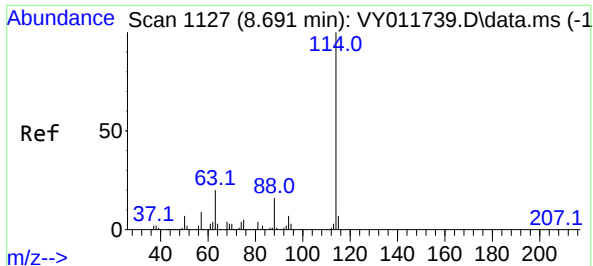
Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
69 186.6 29.2 43.8#
84 166.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.229 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion: 65 Resp: 60140
Ion Ratio Lower Upper
65 100
67 51.9 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: VY011865.D

Acq: 15 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

RB-35-(2.5-4.5)

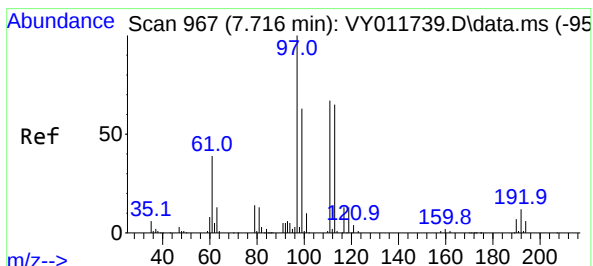
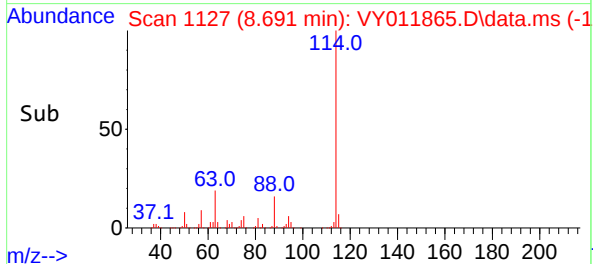
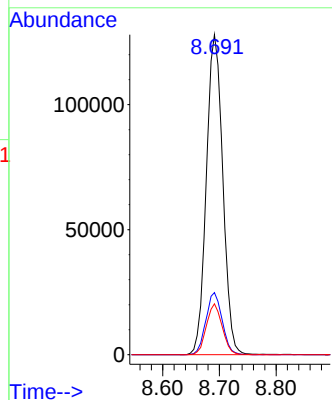
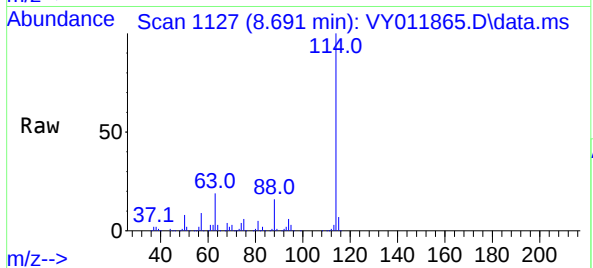
Tgt Ion:114 Resp: 257933

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 58.347 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011865.D

Acq: 15 Dec 2022 12:43

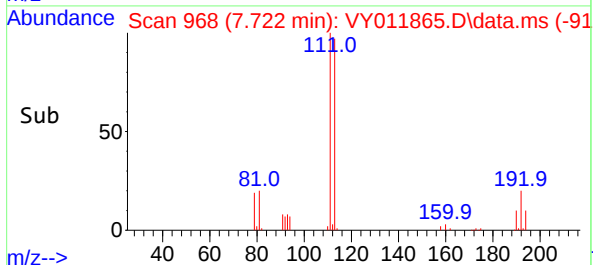
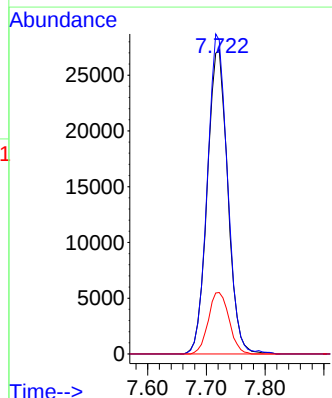
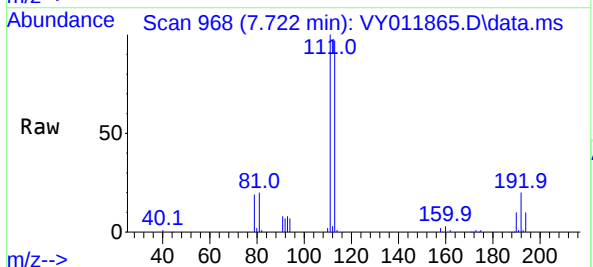
Tgt Ion:113 Resp: 66121

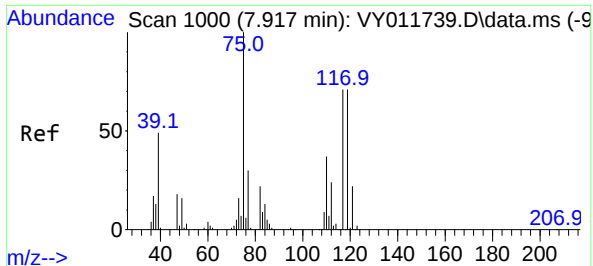
Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 20.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.012 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011865.D

Acq: 15 Dec 2022 12:43

Instrument :

MSVOA_Y

ClientSampleId :

RB-35-(2.5-4.5)

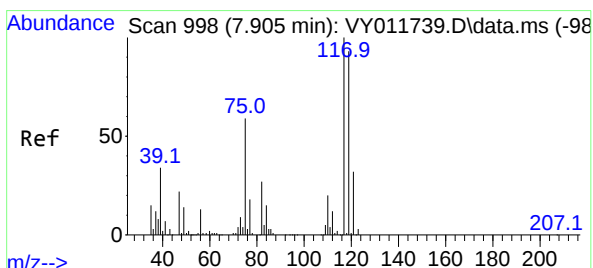
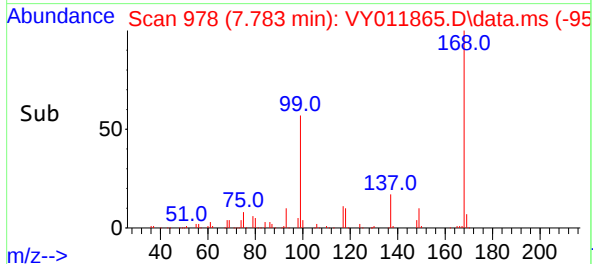
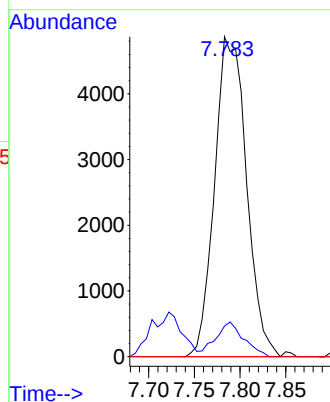
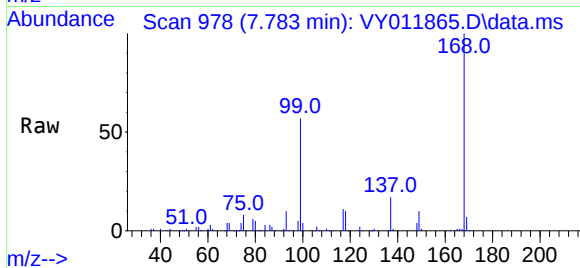
Tgt Ion: 75 Resp: 11767

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.940 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011865.D

Acq: 15 Dec 2022 12:43

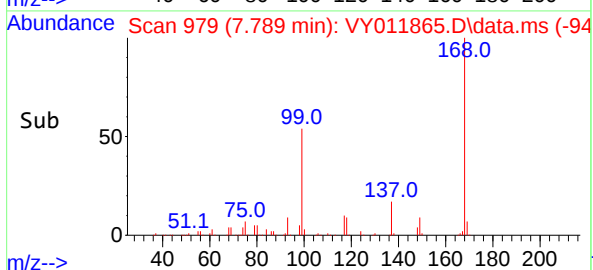
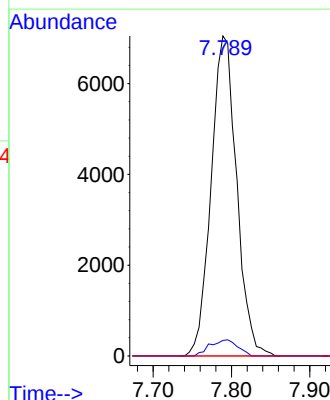
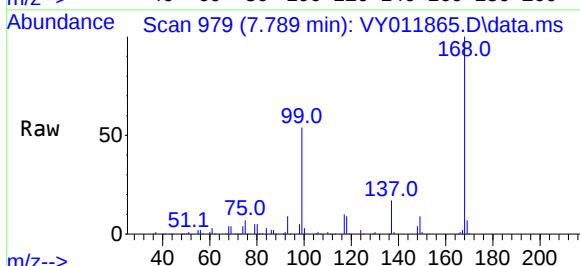
Tgt Ion: 117 Resp: 15957

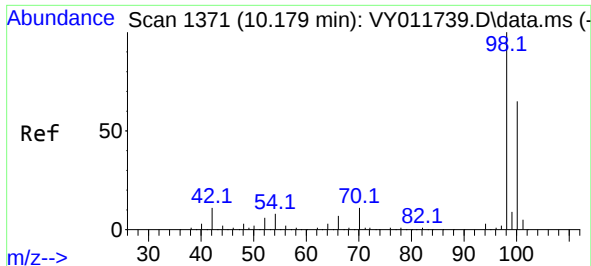
Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.0 25.2 37.8#

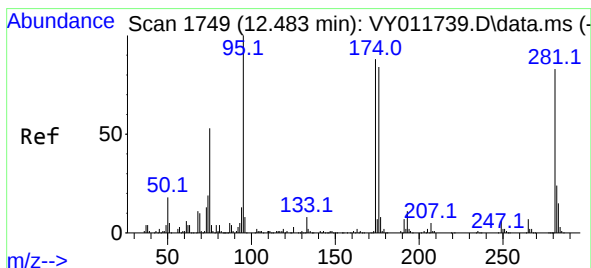
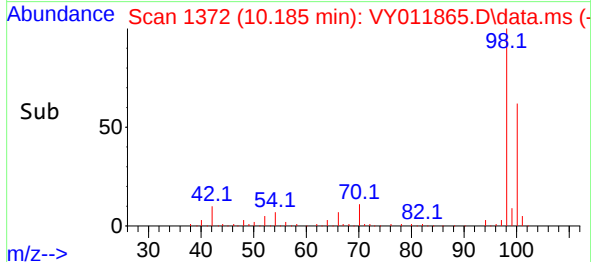
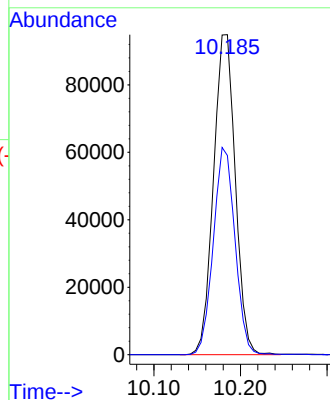
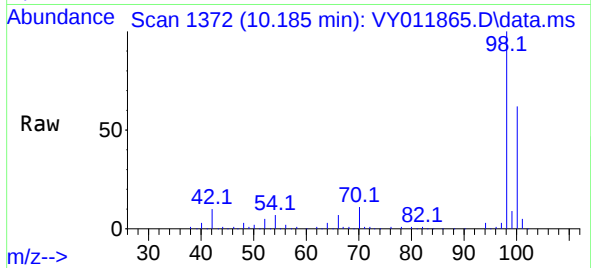




#50
Toluene-d8
Concen: 43.381 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

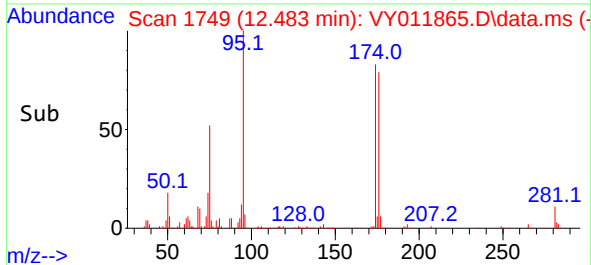
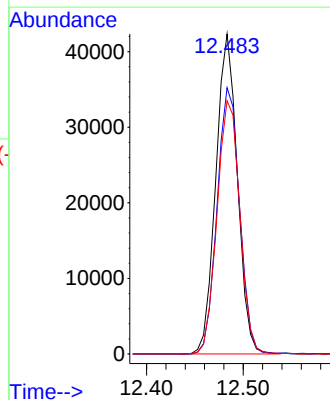
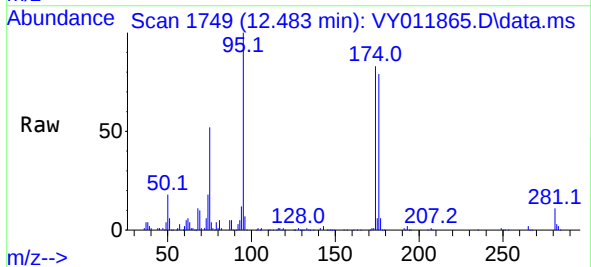
Instrument :
MSVOA_Y
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RB-35-(2.5-4.5)

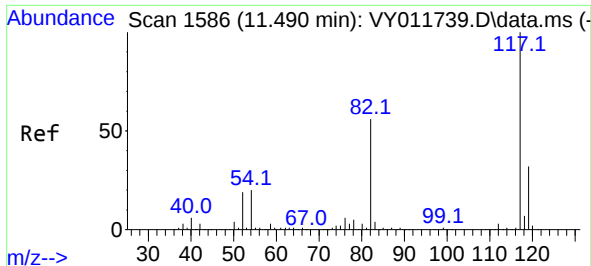
Tgt Ion: 98 Resp: 166294
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.077 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion: 95 Resp: 65364
Ion Ratio Lower Upper
95 100
174 86.6 0.0 172.0
176 83.7 0.0 167.6

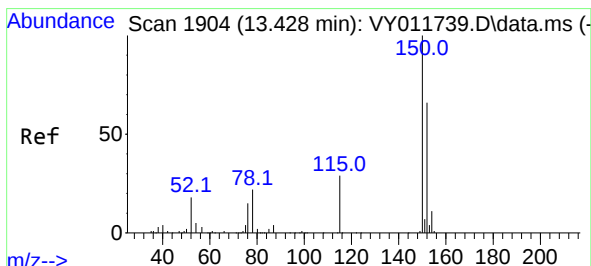
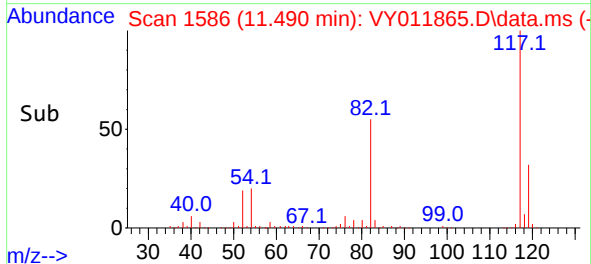
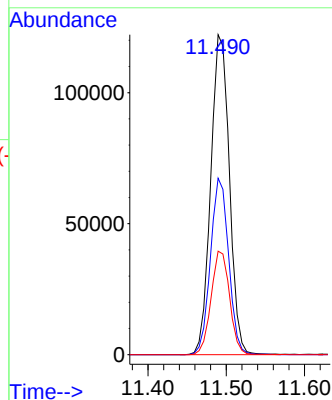
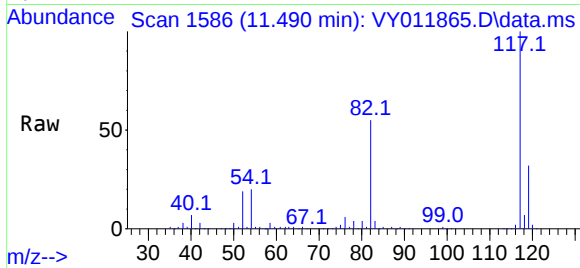




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

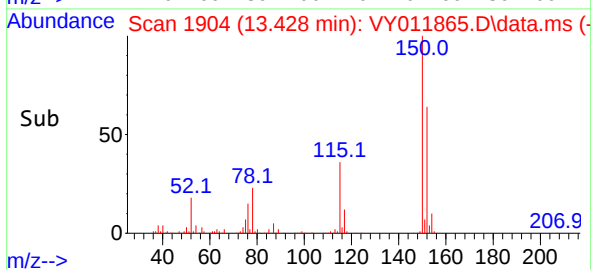
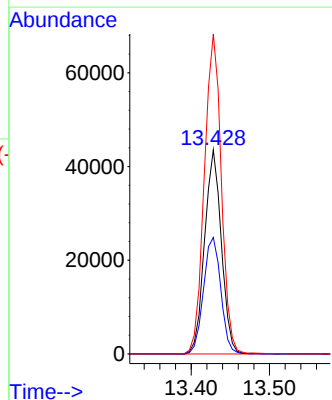
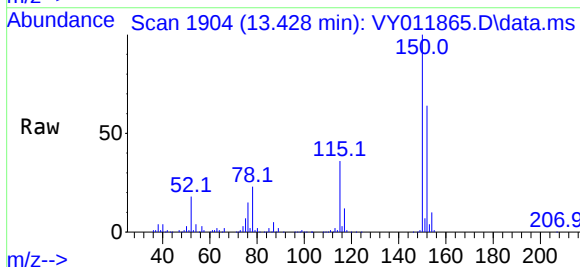
Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

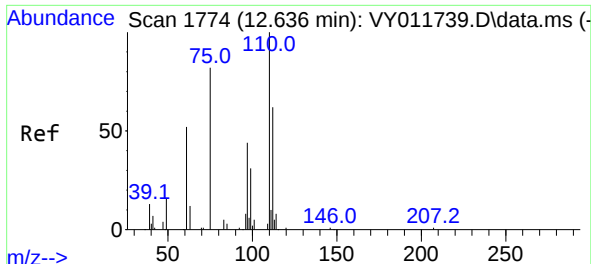
Tgt Ion:117 Resp: 201889
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion:152 Resp: 64744
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.3
150 158.8 0.0 342.6

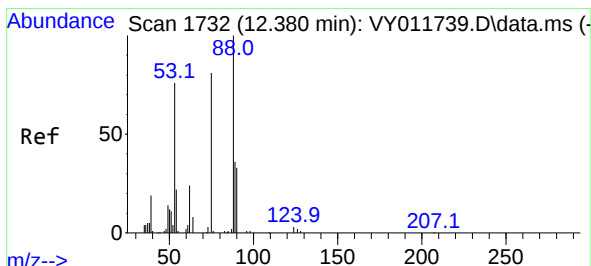
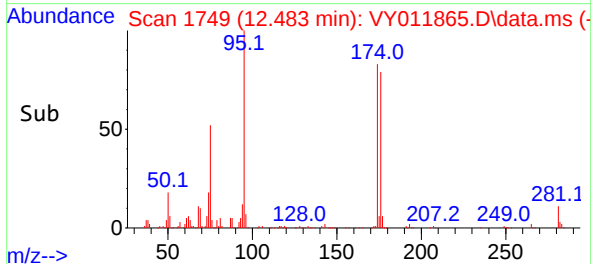
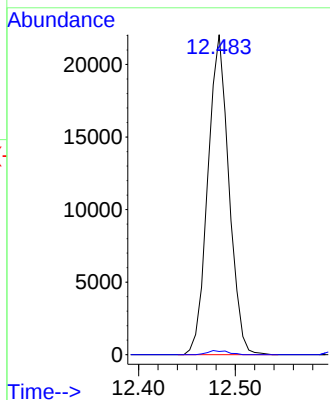
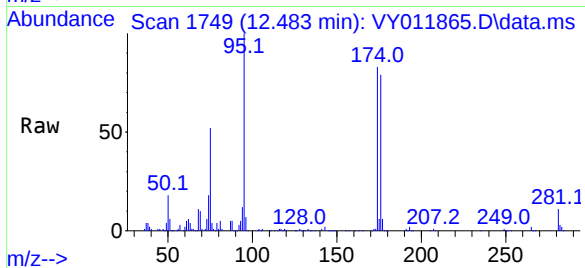




#76
1,2,3-Trichloropropane
Concen: 50.939 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Instrument :
MSVOA_Y
ClientSampleId :
RB-35-(2.5-4.5)

Tgt Ion: 75 Resp: 33367
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.591 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011865.D
Acq: 15 Dec 2022 12:43

Tgt Ion: 75 Resp: 33367
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#

