

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011874.D
 Acq On : 15 Dec 2022 16:07
 Operator : KP/MD
 Sample : N6038-20
 Misc : 4.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-39-(0-2)

Quant Time: Dec 16 00:15:03 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)

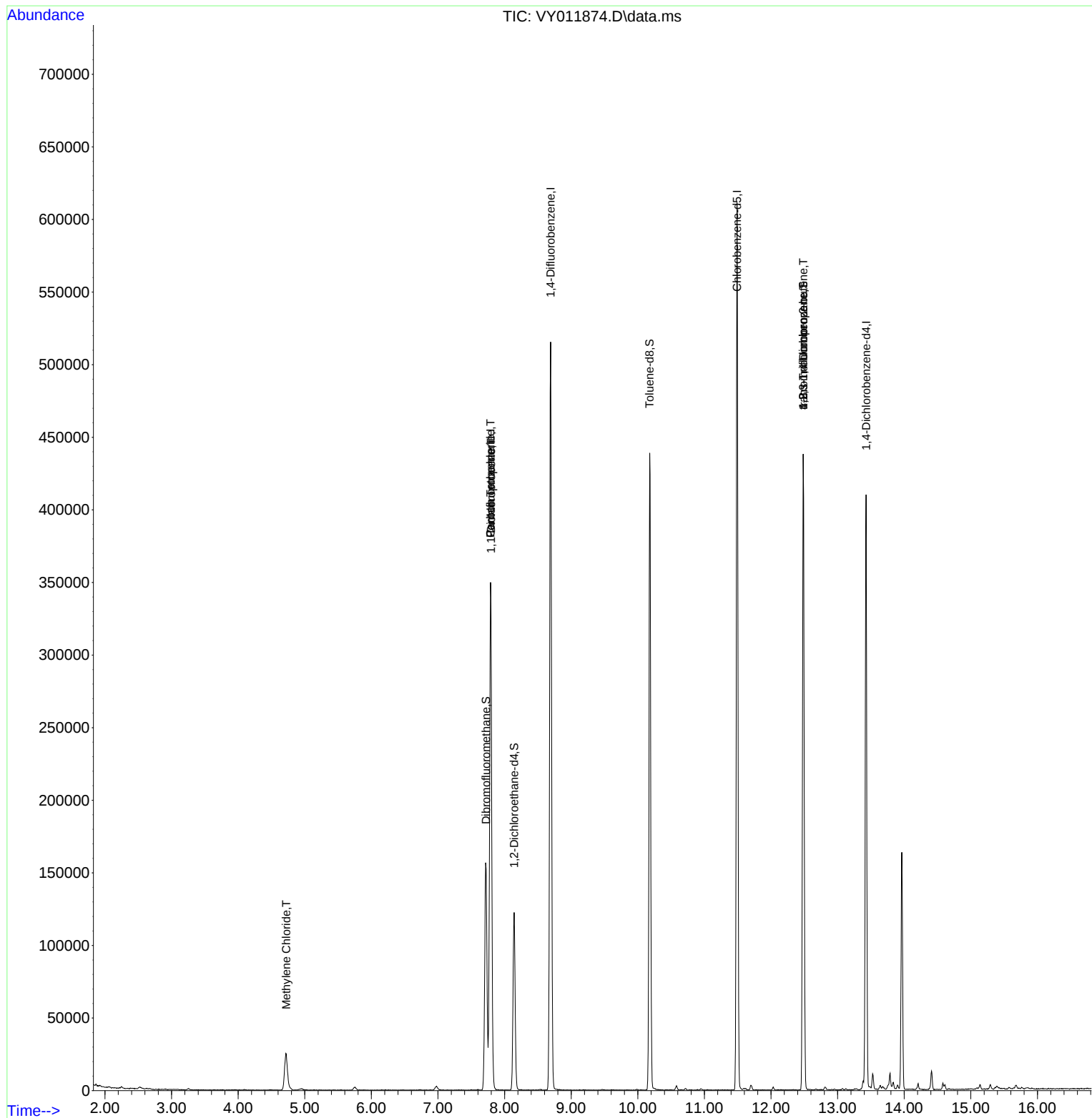
Internal Standards						
1) Pentafluorobenzene	7.789	168	268823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	441647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96255	52.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.460%	
35) Dibromofluoromethane	7.722	113	109859	56.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.980%	
50) Toluene-d8	10.179	98	290930	44.491	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.980%	
62) 4-Bromofluorobenzene	12.483	95	106389	40.699	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	74	Below Cal	#	41
3) Chloromethane	2.119	50	148	Below Cal	#	41
5) Bromomethane	2.656	94	27	Below Cal		86
11) Tert butyl alcohol	4.960	59	1207	Below Cal	#	74
18) Methyl Acetate	4.472	43	148	Below Cal	#	50
20) Methylene Chloride	4.722	84	19359	1.738	ug/l	95
31) Cyclohexane	7.783	56	5467	Below Cal	#	34
36) 1,1-Dichloropropene	7.795	75	19955	5.954	ug/l #	49
38) Carbon Tetrachloride	7.789	117	27668	7.028	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	57438	53.516	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57438	121.438	ug/l #	13

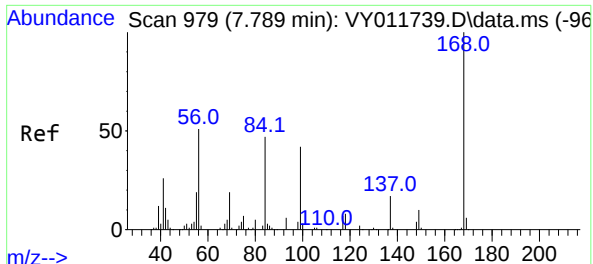
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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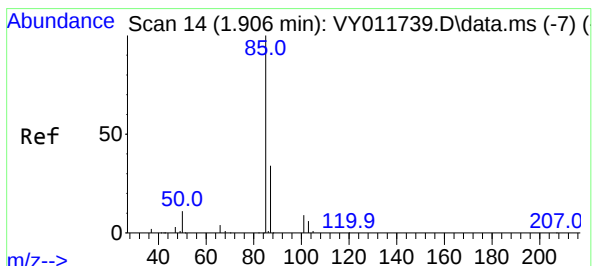
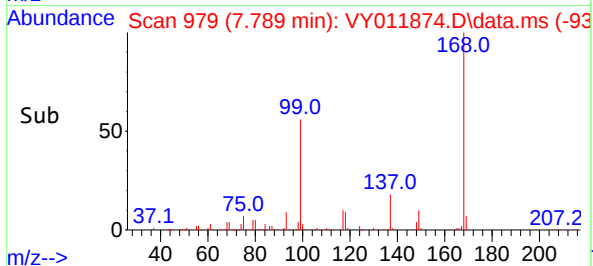
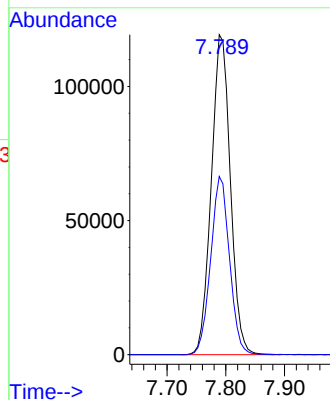
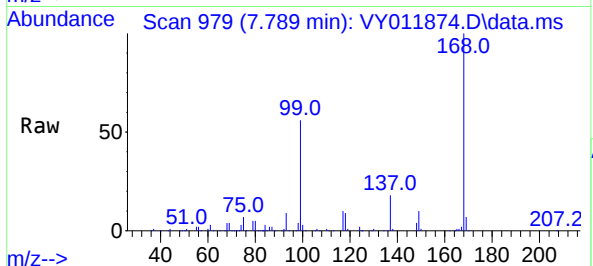




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

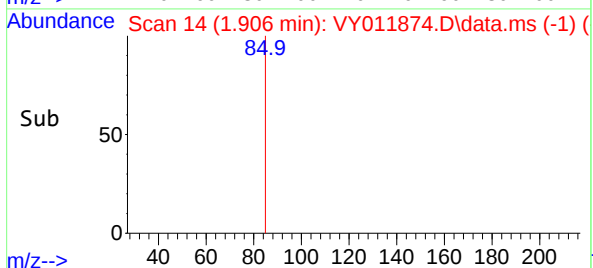
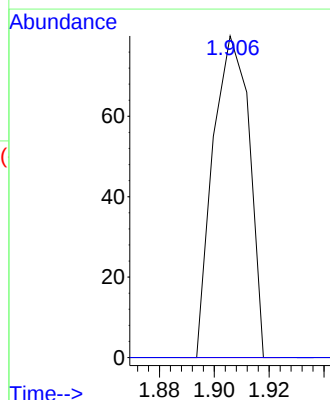
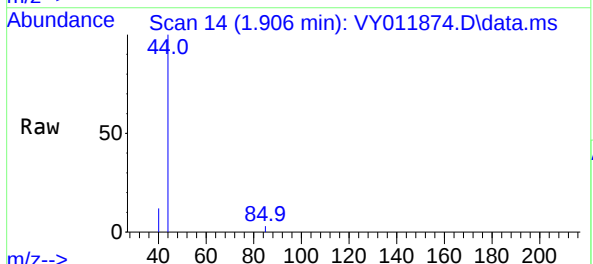
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

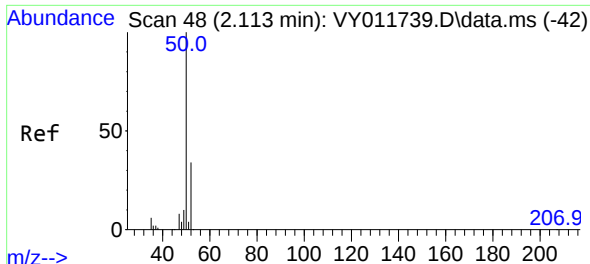
Tgt Ion:168 Resp: 268823
Ion Ratio Lower Upper
168 100
99 55.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion: 85 Resp: 74
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

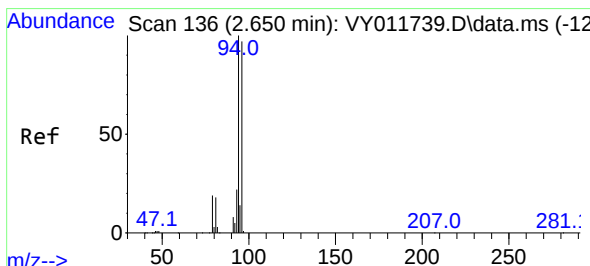
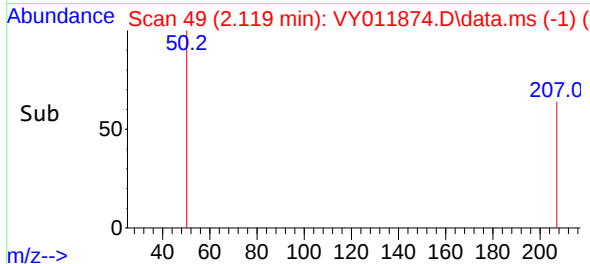
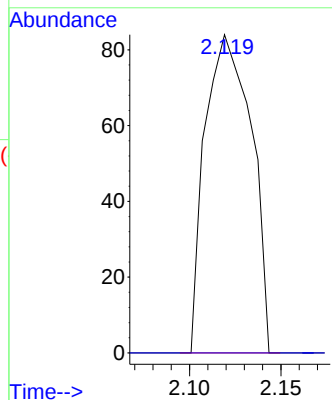
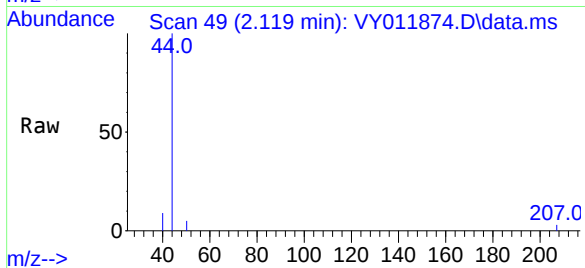




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

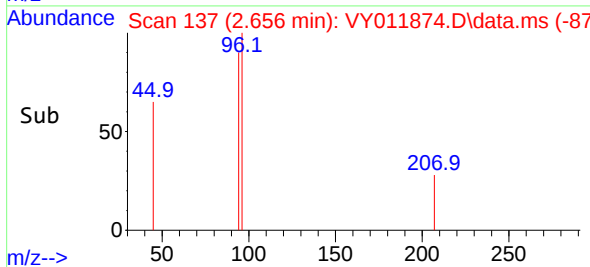
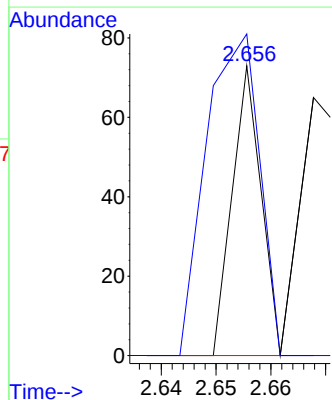
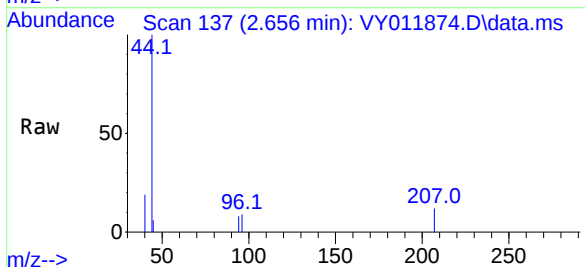
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

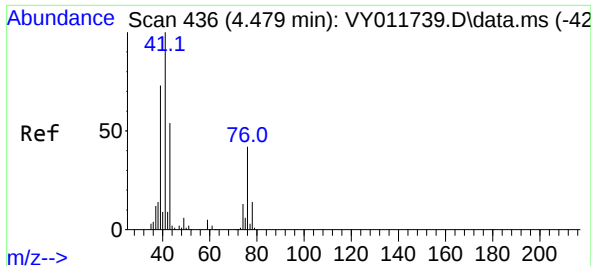
Tgt Ion: 50 Resp: 148
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion: 94 Resp: 27
Ion Ratio Lower Upper
94 100
96 111.0 77.4 116.2

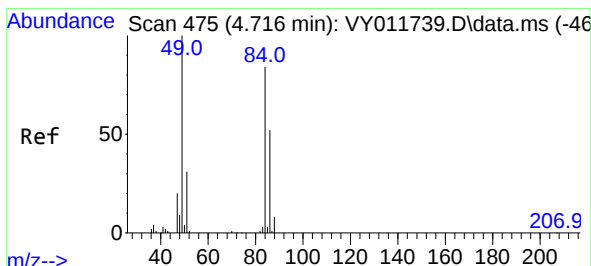
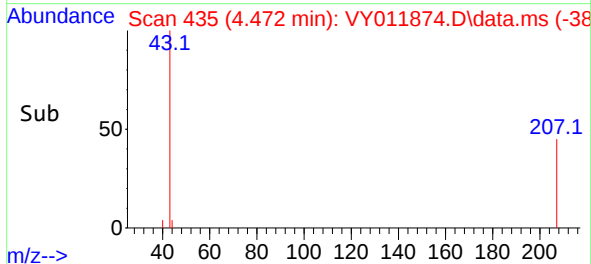
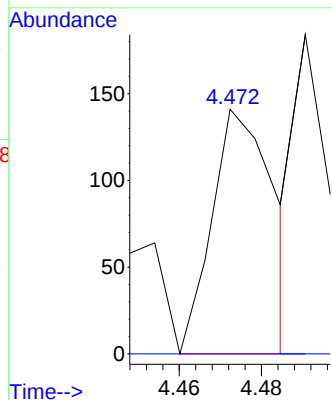
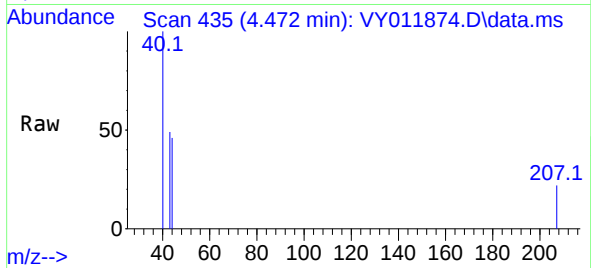




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

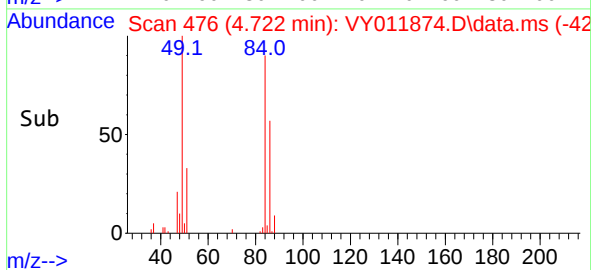
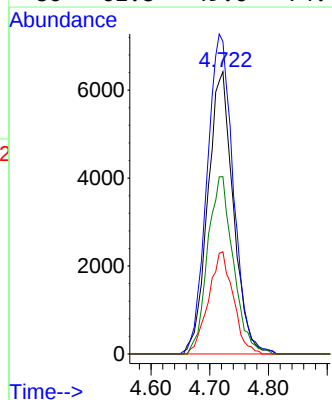
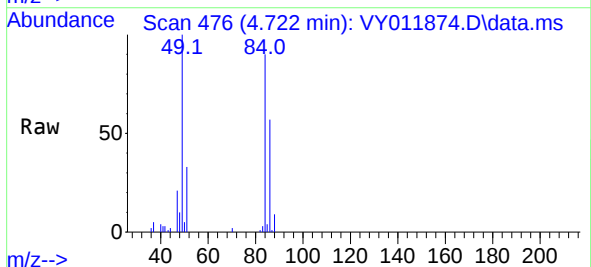
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

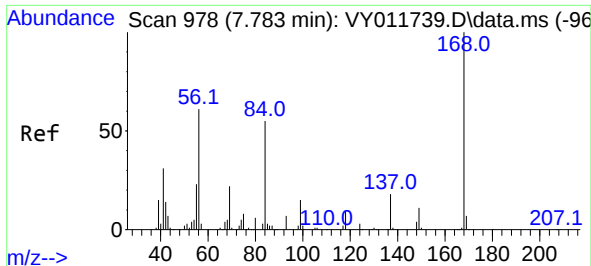
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 1.738 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

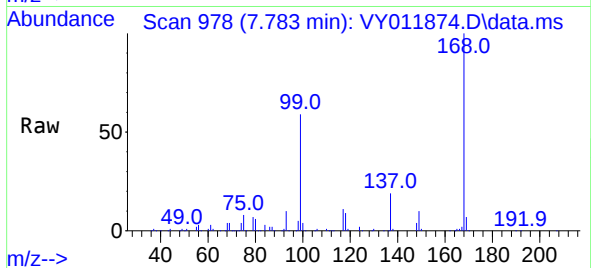
Tgt Ion: 84 Resp: 19359
Ion Ratio Lower Upper
84 100
49 110.7 95.4 143.2
51 36.2 29.9 44.9
86 62.8 49.6 74.4



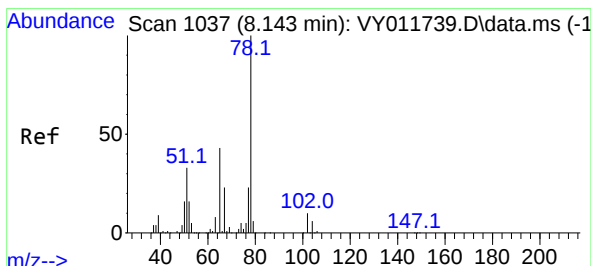
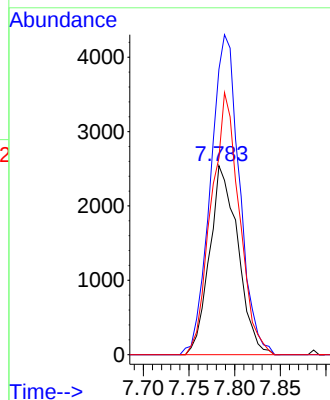
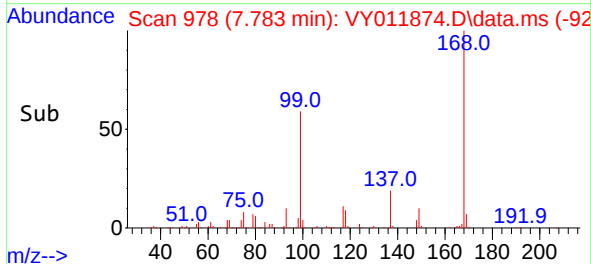


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

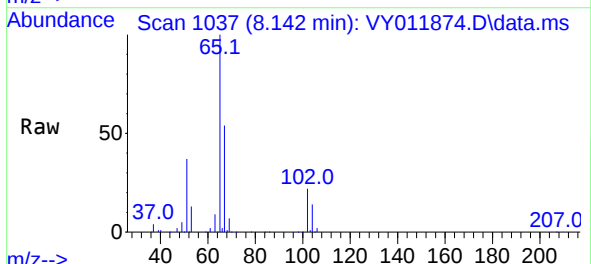
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)



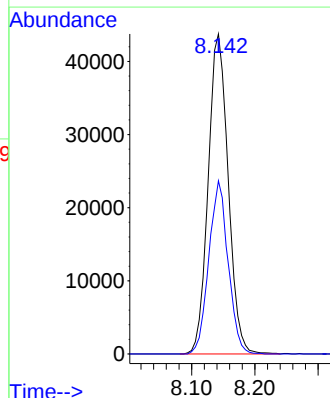
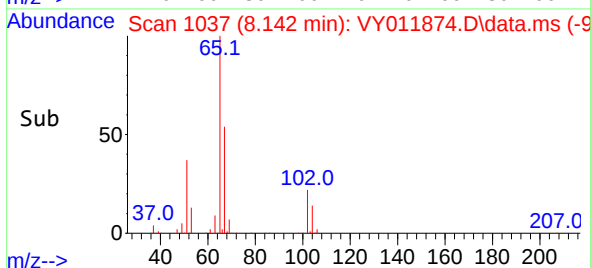
Tgt Ion: 56 Resp: 5467
Ion Ratio Lower Upper
56 100
69 151.0 29.2 43.8#
84 104.1 72.6 108.8

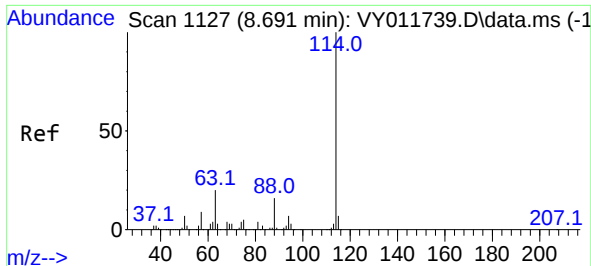


#33
1,2-Dichloroethane-d4
Concen: 52.734 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07



Tgt Ion: 65 Resp: 96255
Ion Ratio Lower Upper
65 100
67 52.1 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: VY011874.D

Acq: 15 Dec 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

RB-39-(0-2)

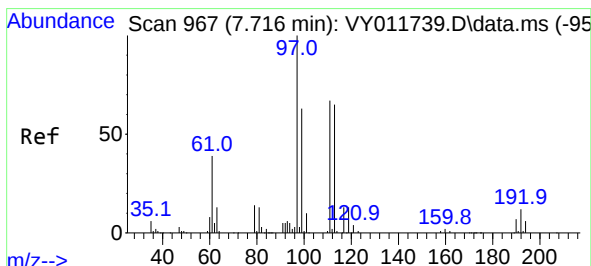
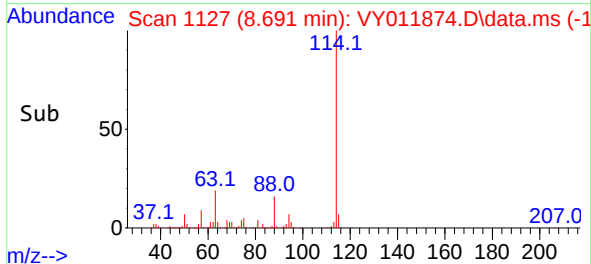
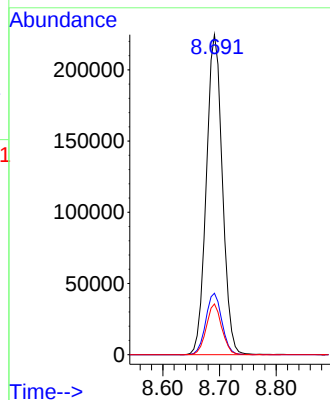
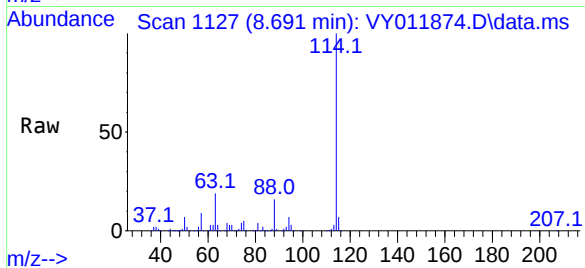
Tgt Ion:114 Resp: 441647

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.492 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011874.D

Acq: 15 Dec 2022 16:07

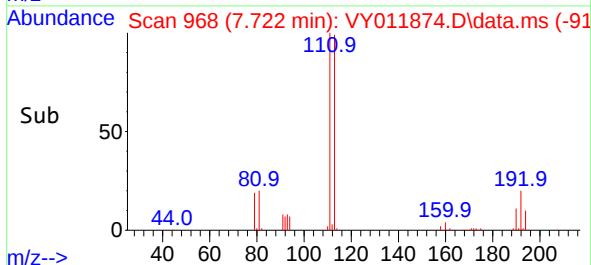
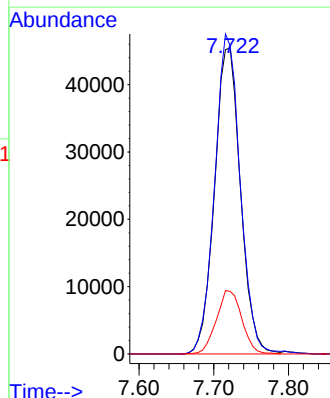
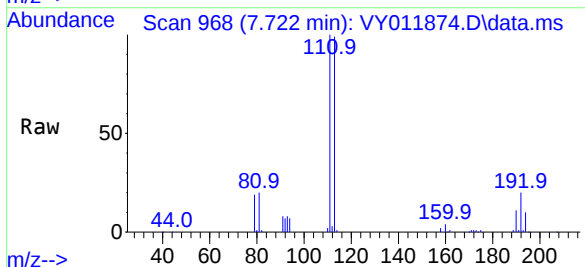
Tgt Ion:113 Resp: 109859

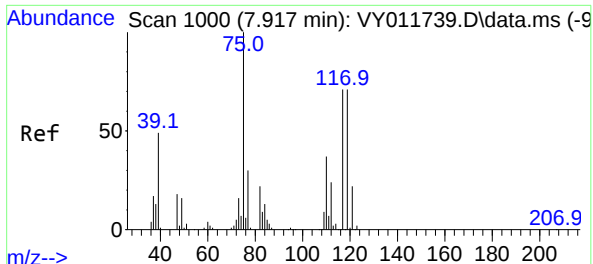
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 20.3 16.0 24.0

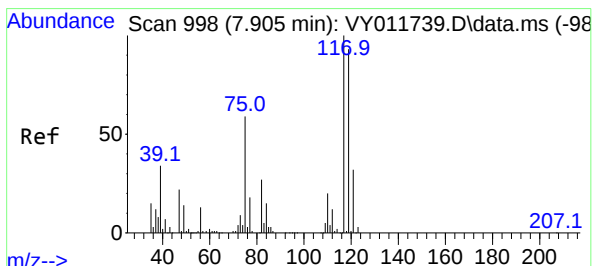
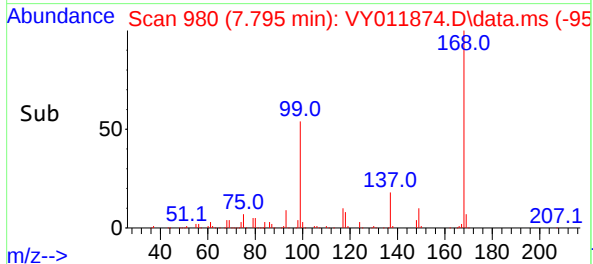
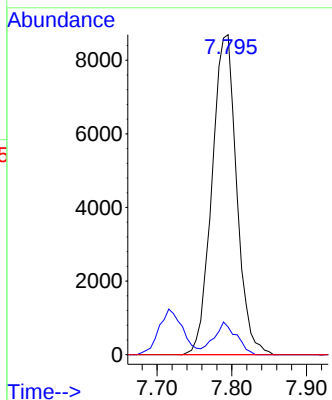
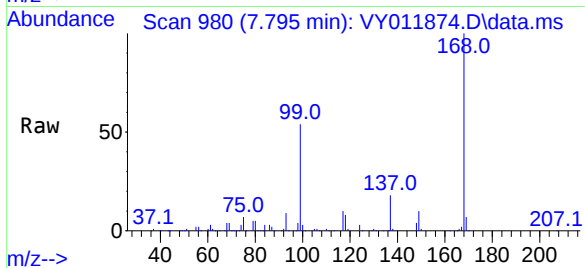




#36
1,1-Dichloropropene
Concen: 5.954 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

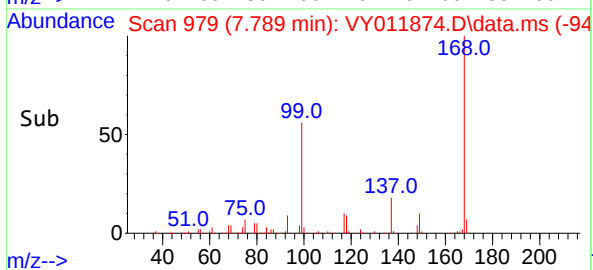
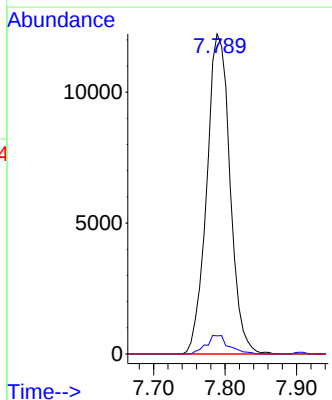
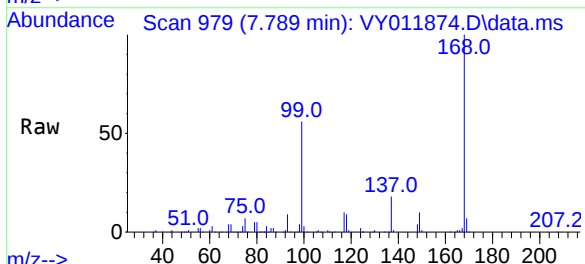
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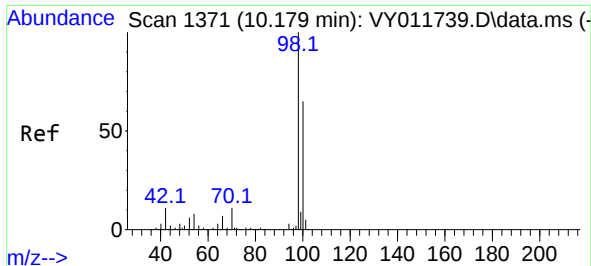
Tgt Ion: 75 Resp: 19955
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.028 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion: 117 Resp: 27668
Ion Ratio Lower Upper
117 100
119 5.6 73.8 110.8#
121 0.0 25.2 37.8#

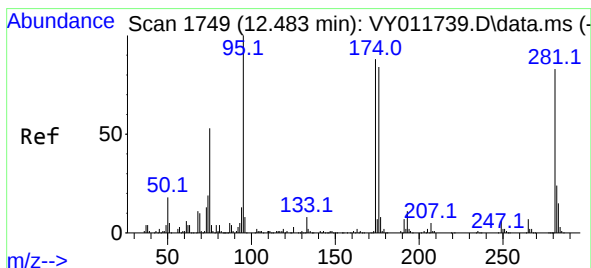
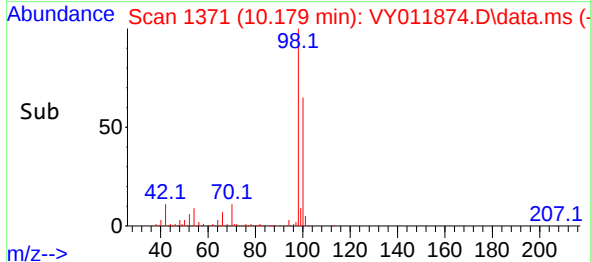
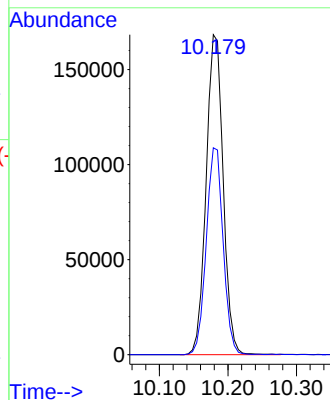
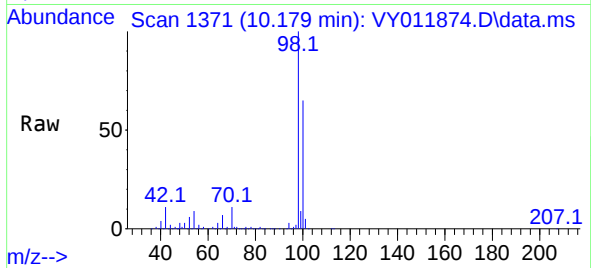




#50
Toluene-d8
Concen: 44.491 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

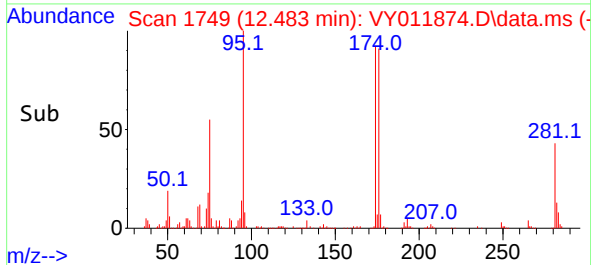
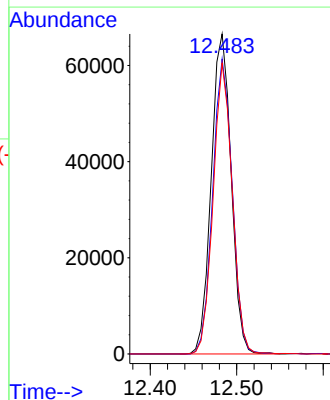
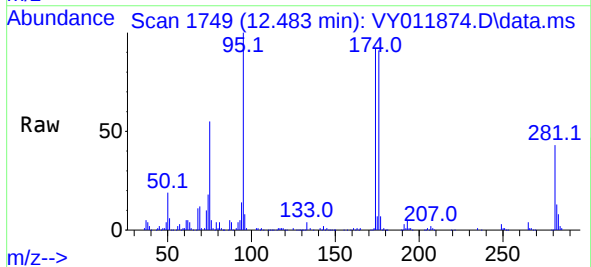
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

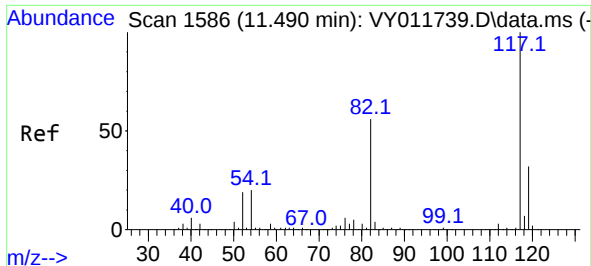
Tgt Ion: 98 Resp: 290930
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.699 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion: 95 Resp: 106389
Ion Ratio Lower Upper
95 100
174 90.2 0.0 172.0
176 87.2 0.0 167.6

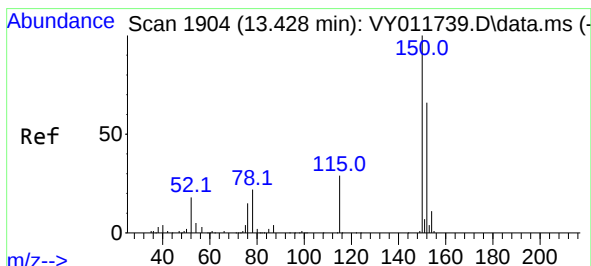
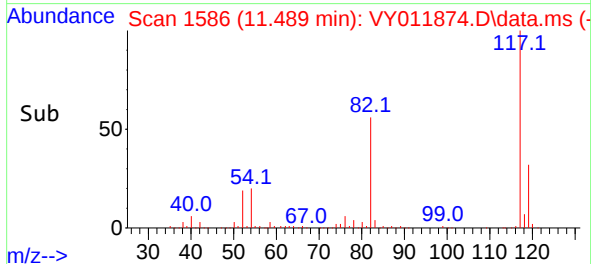
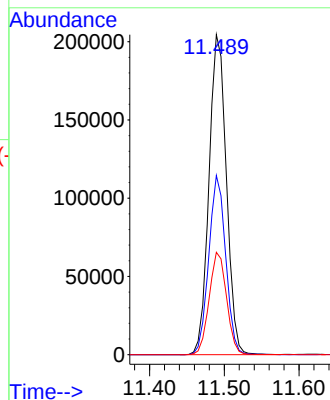
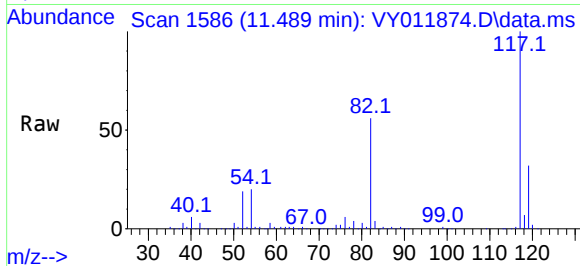




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

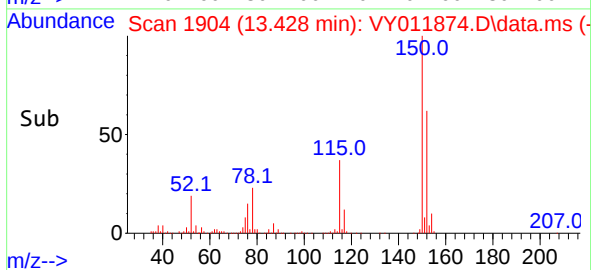
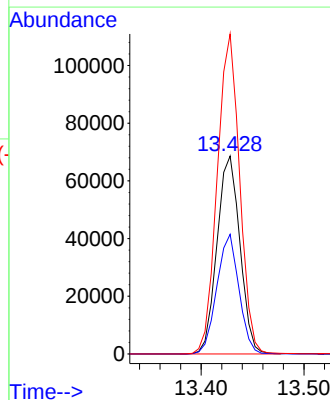
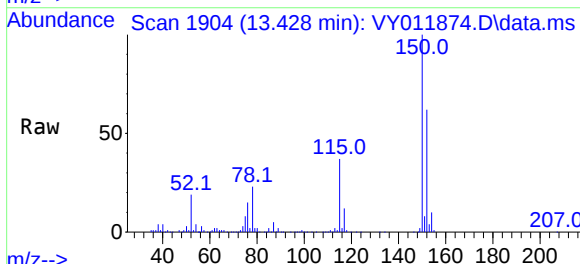
Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

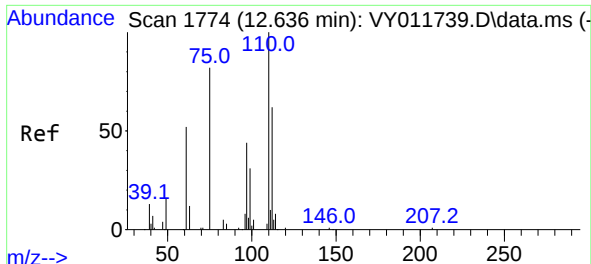
Tgt Ion:117 Resp: 330097
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion:152 Resp: 106084
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.3
150 158.0 0.0 342.6

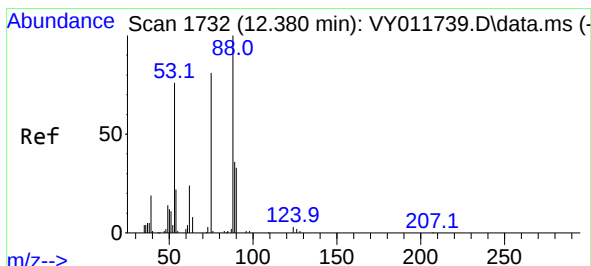
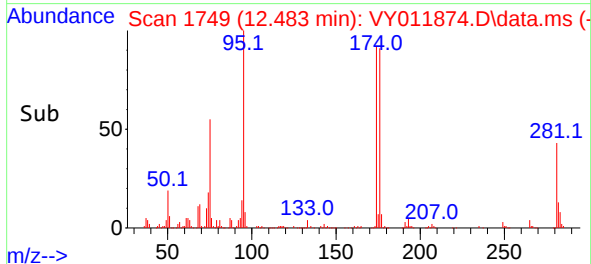
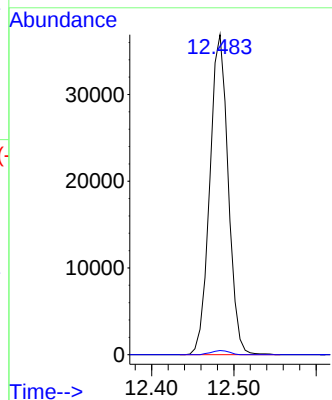
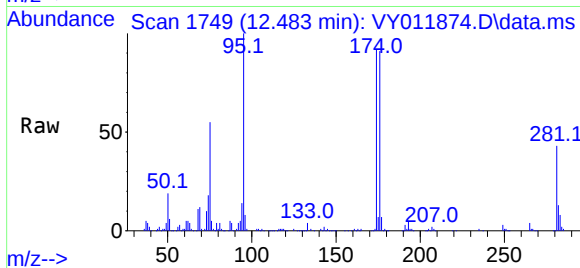




#76
1,2,3-Trichloropropane
Concen: 53.516 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :
RB-39-(0-2)

Tgt Ion: 75 Resp: 57438
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.438 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011874.D
Acq: 15 Dec 2022 16:07

Tgt Ion: 75 Resp: 57438
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.8 37.0 55.4#

