

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011846.D
 Acq On : 14 Dec 2022 15:34
 Operator : KP/MD
 Sample : N6037-20RE
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-26-(2-4)RE

Quant Time: Dec 15 01:20:58 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)

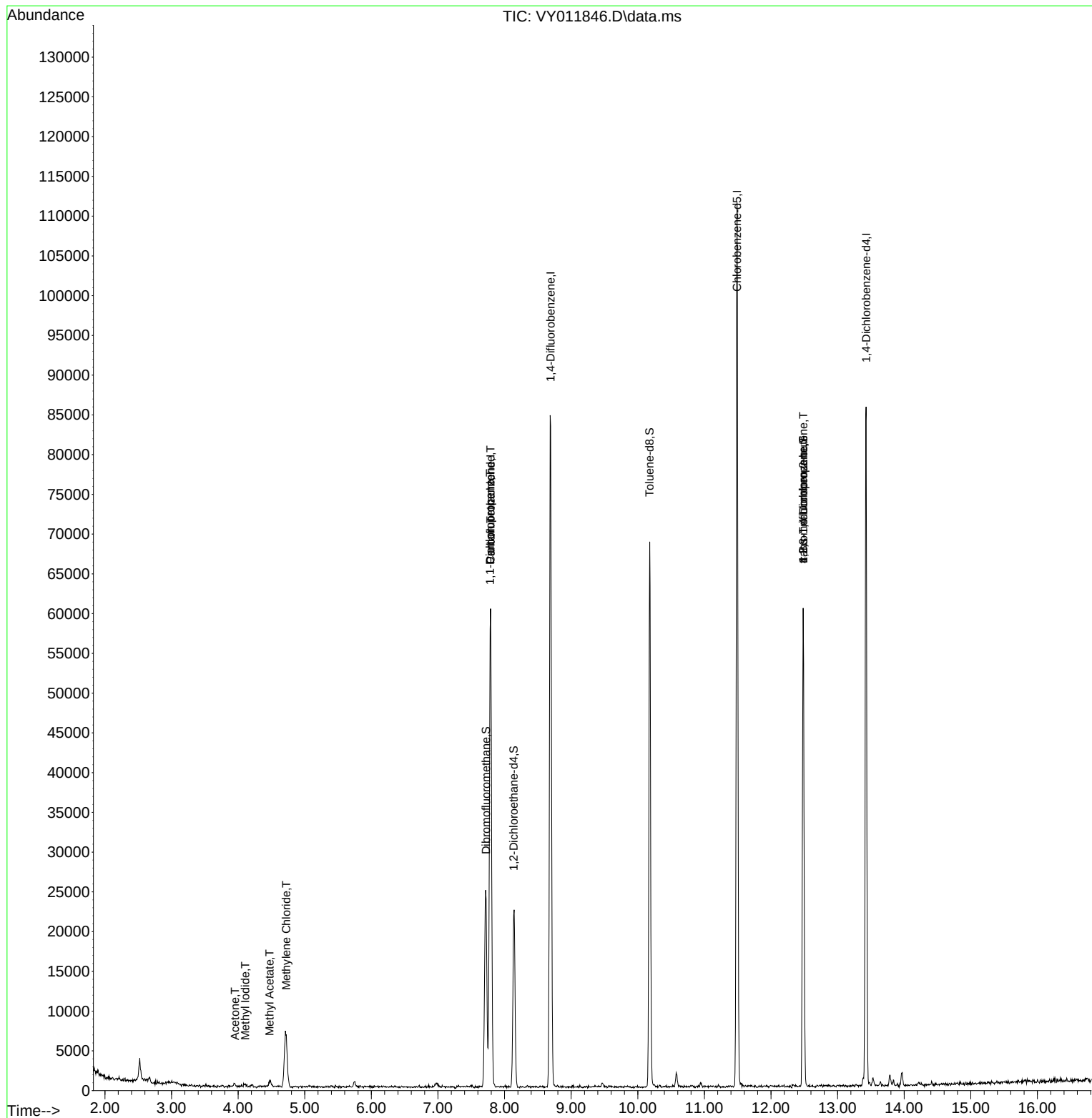
Internal Standards						
1) Pentafluorobenzene	7.789	168	47531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	74612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	63490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	23553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	18387	57.399	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.800%			
35) Dibromofluoromethane	7.722	113	17775	53.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.860%			
50) Toluene-d8	10.179	98	46160	41.319	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.640%			
62) 4-Bromofluorobenzene	12.483	95	15739	35.015	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.020%			
Target Compounds						
3) Chloromethane	2.107	50	154	Below Cal	#	41
4) Vinyl Chloride	2.381	62	20	Below Cal	#	43
5) Bromomethane	2.662	94	262	Below Cal	#	77
10) Methyl Iodide	4.107	142	616	1.349	ug/l #	81
16) Acetone	3.954	43	732	5.640	ug/l #	40
18) Methyl Acetate	4.473	43	1326	2.623	ug/l #	90
20) Methylene Chloride	4.723	84	5389	6.560	ug/l	91
31) Cyclohexane	7.789	56	872	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	3695	6.526	ug/l #	49
38) Carbon Tetrachloride	7.789	117	4712	7.085	ug/l #	21
76) 1,2,3-Trichloropropane	12.483	75	7917	33.224	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7917	75.391	ug/l #	13

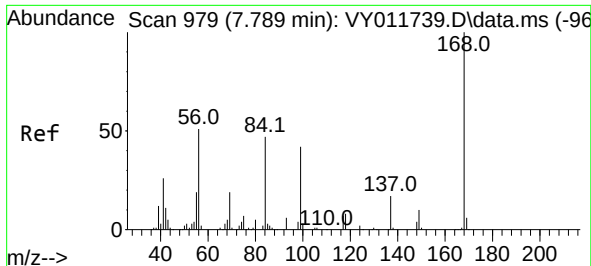
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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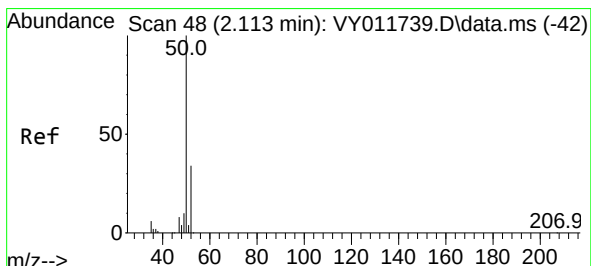
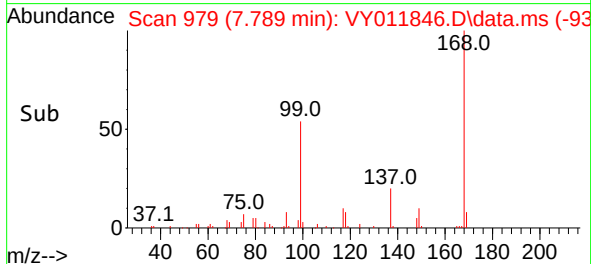
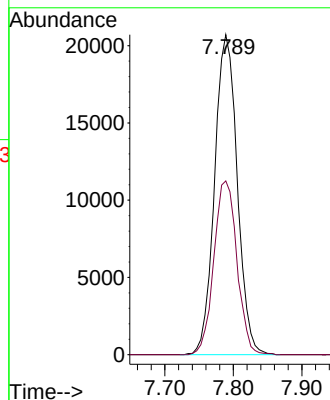
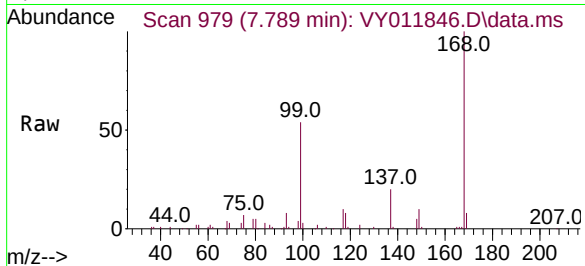




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

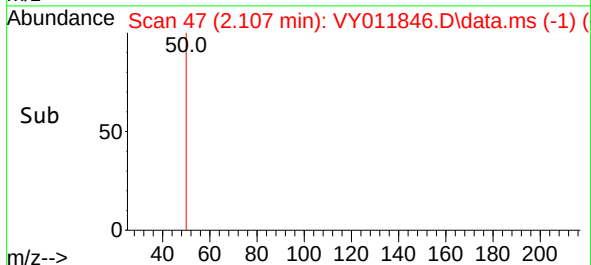
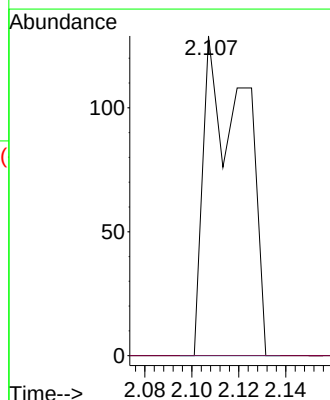
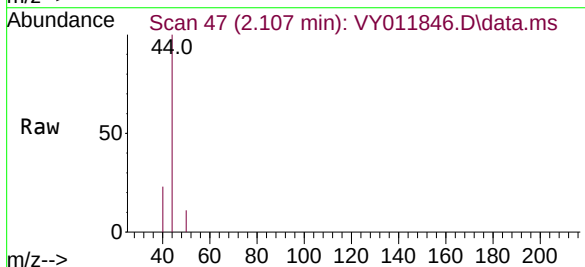
Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

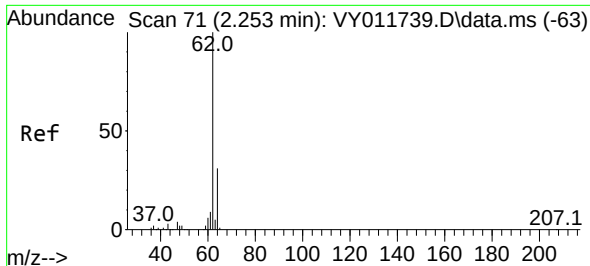
Tgt Ion:168 Resp: 47531
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion: 50 Resp: 154
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

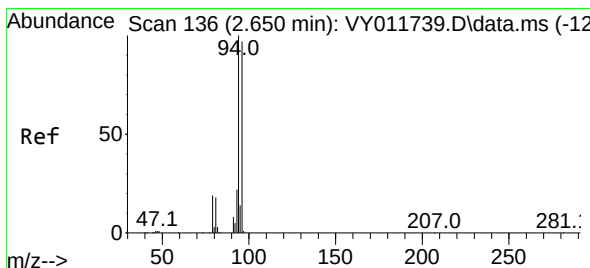
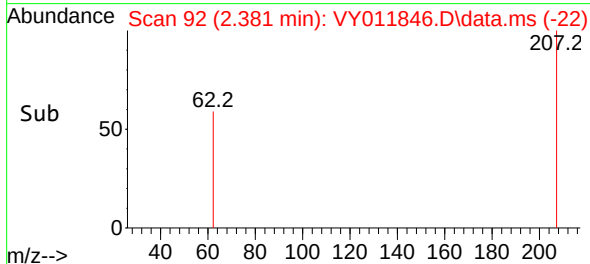
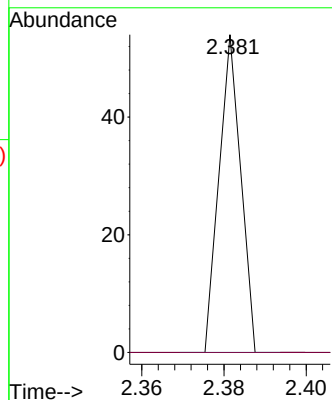
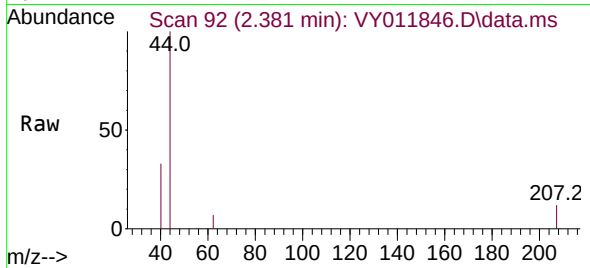




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.381 min Scan# 91
 Delta R.T. 0.128 min
 Lab File: VY011846.D
 Acq: 14 Dec 2022 15:34

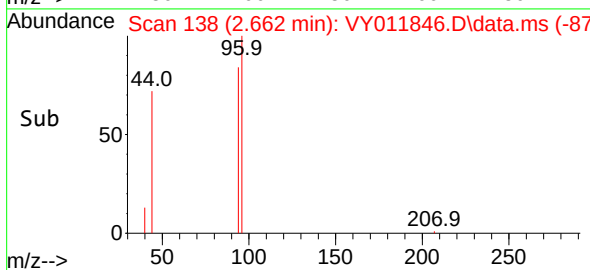
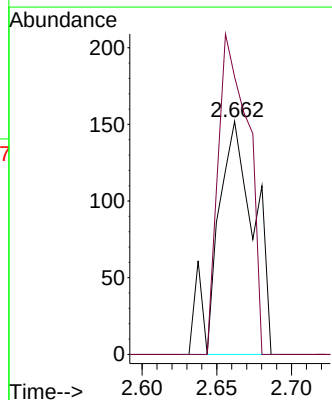
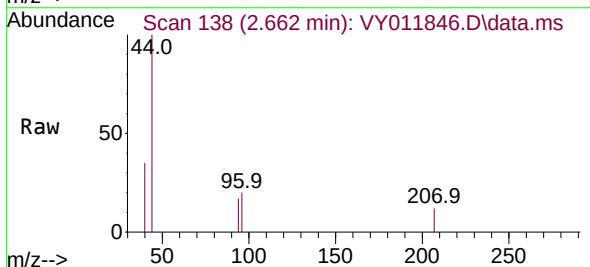
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-26-(2-4)RE

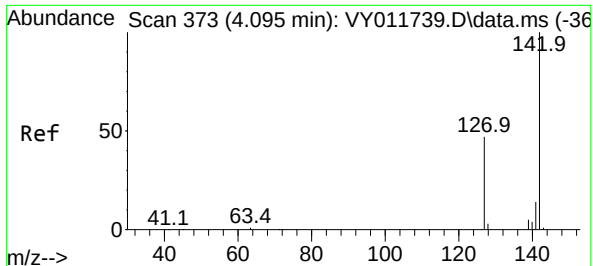
Tgt Ion: 62 Resp: 20
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011846.D
 Acq: 14 Dec 2022 15:34

Tgt Ion: 94 Resp: 262
 Ion Ratio Lower Upper
 94 100
 96 119.1 77.4 116.2#

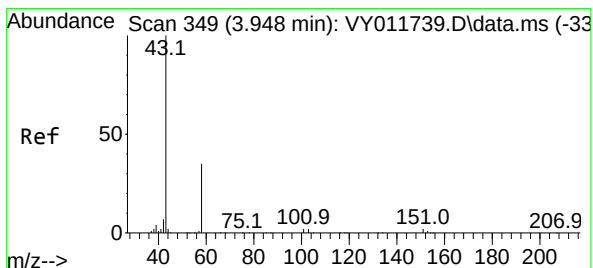
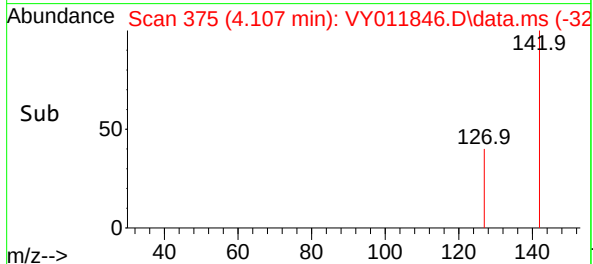
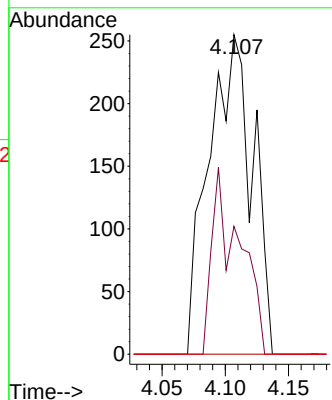
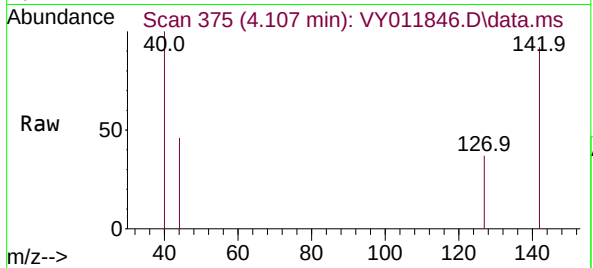




#10
Methyl Iodide
Concen: 1.349 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

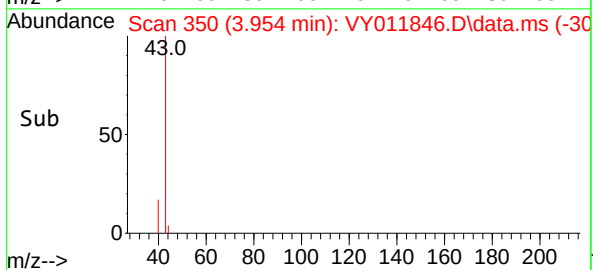
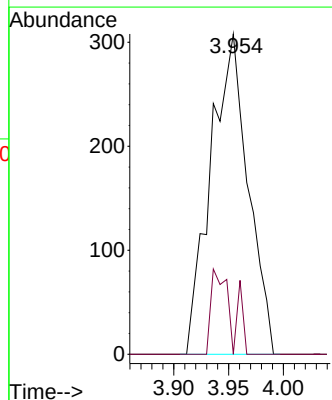
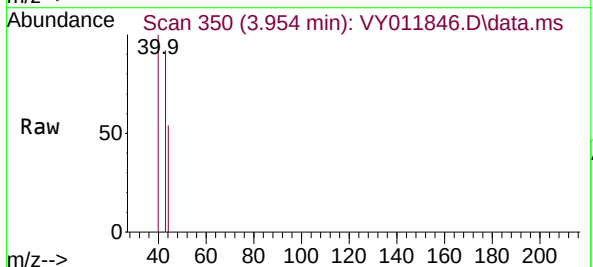
Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

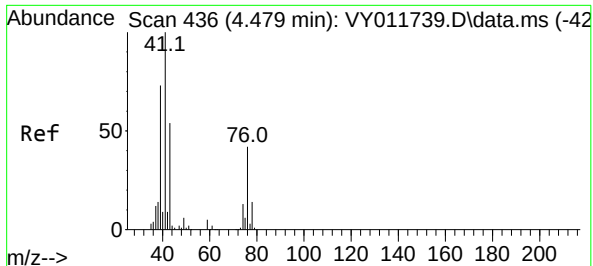
Tgt Ion:142 Resp: 616
Ion Ratio Lower Upper
142 100
127 36.7 37.0 55.4#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 5.640 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

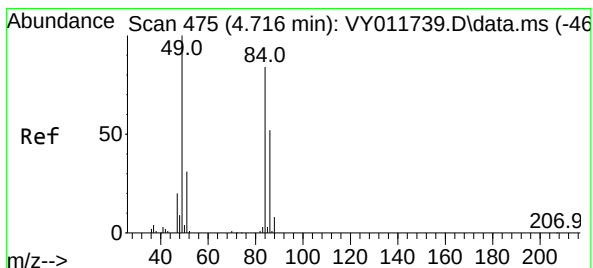
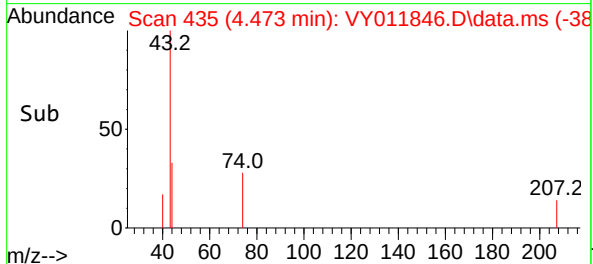
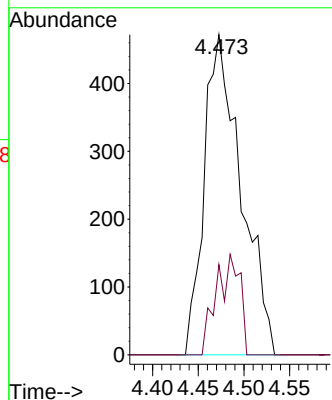
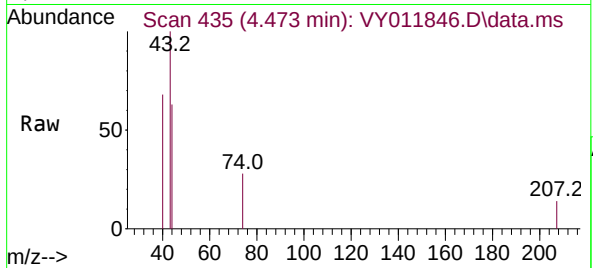




#18
Methyl Acetate
Concen: 2.623 ug/l
RT: 4.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

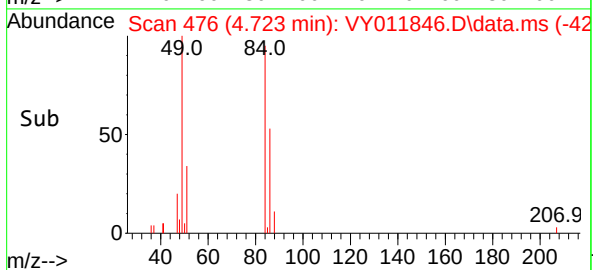
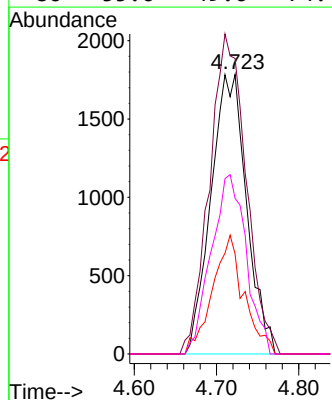
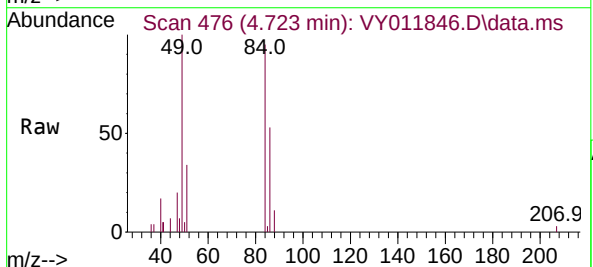
Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

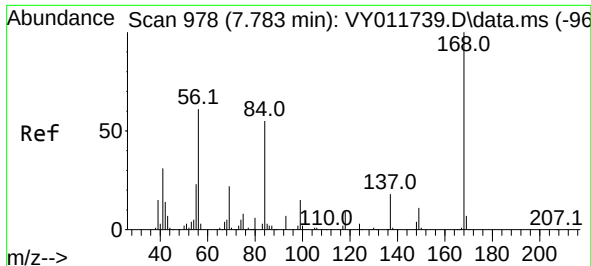
Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
74 20.0 20.1 30.1#



#20
Methylene Chloride
Concen: 6.560 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

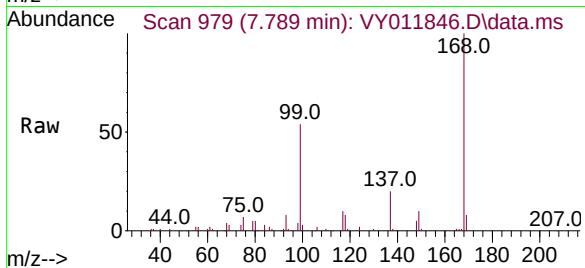
Tgt Ion: 84 Resp: 5389
Ion Ratio Lower Upper
84 100
49 105.7 95.4 143.2
51 35.8 29.9 44.9
86 55.6 49.6 74.4



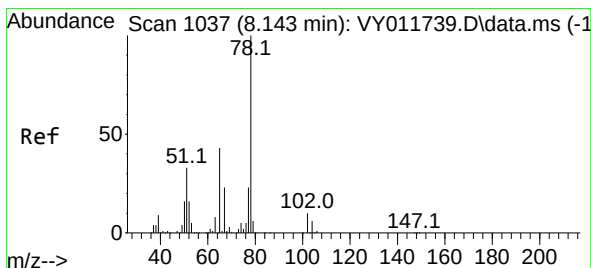
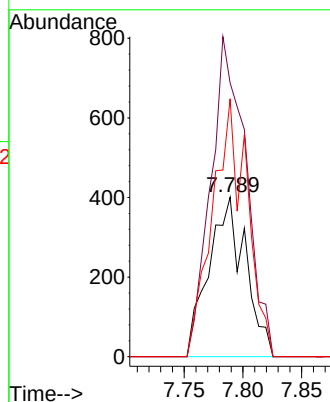
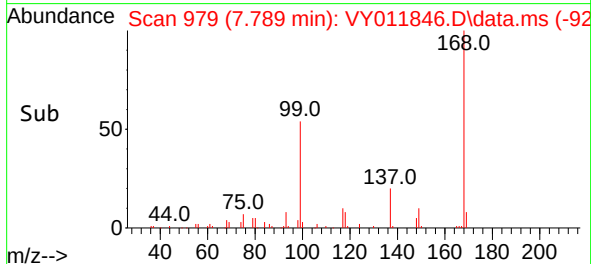


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

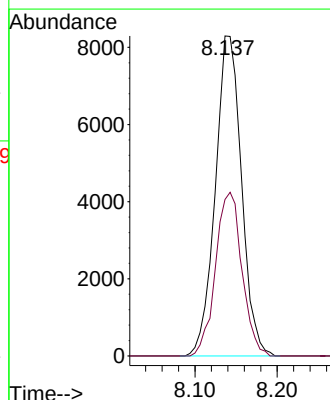
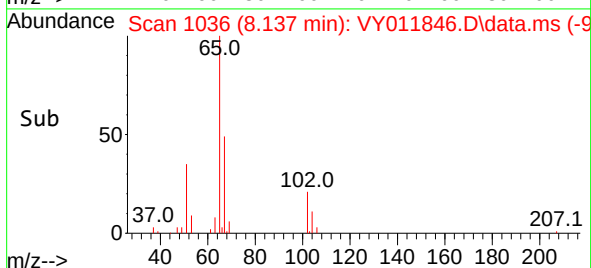
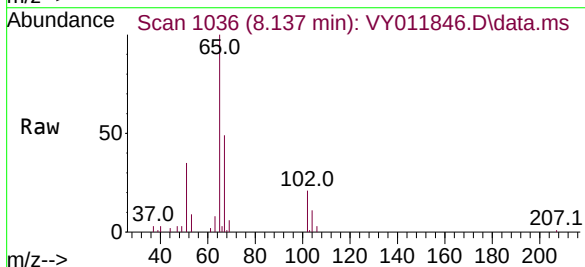


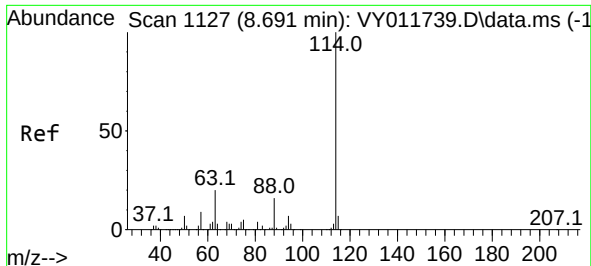
Tgt Ion: 56 Resp: 872
Ion Ratio Lower Upper
56 100
69 171.6 29.2 43.8#
84 161.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.399 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion: 65 Resp: 18387
Ion Ratio Lower Upper
65 100
67 51.5 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: VY011846.D

Acq: 14 Dec 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

RB-26-(2-4)RE

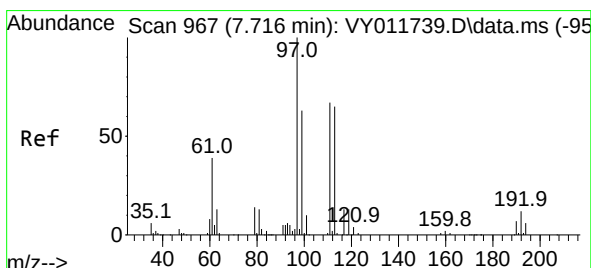
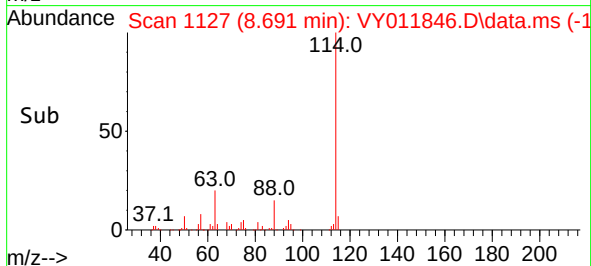
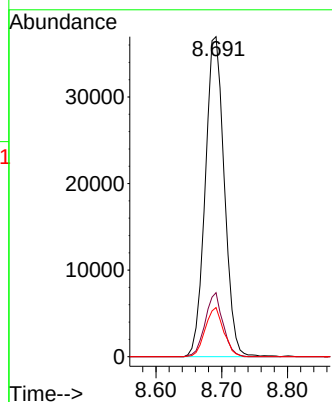
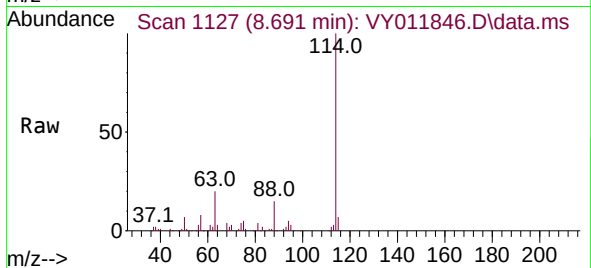
Tgt Ion:114 Resp: 74612

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 53.926 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY011846.D

Acq: 14 Dec 2022 15:34

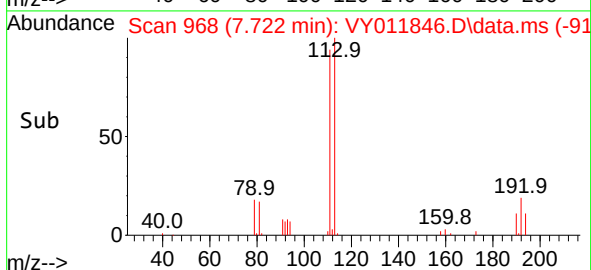
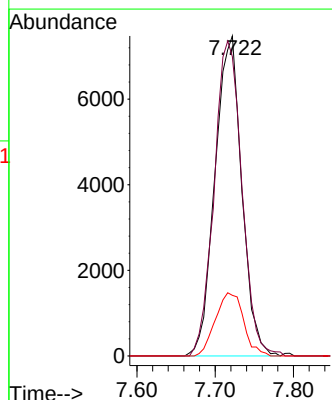
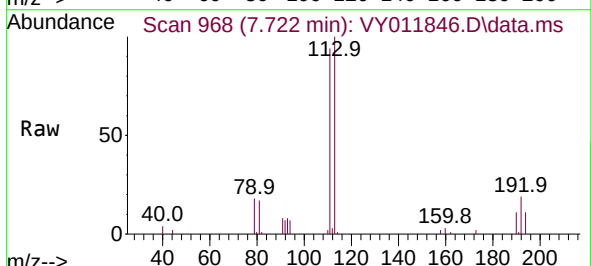
Tgt Ion:113 Resp: 17775

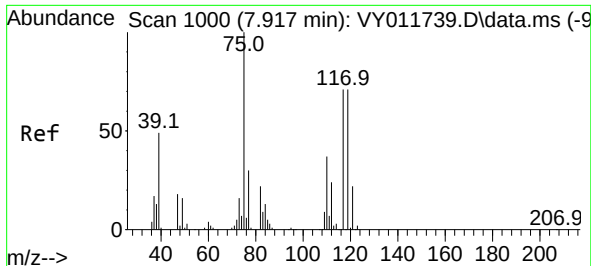
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

192 20.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.526 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011846.D

Acq: 14 Dec 2022 15:34

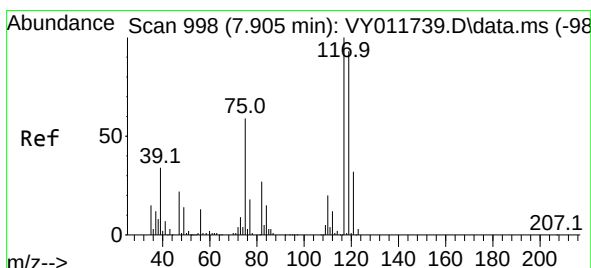
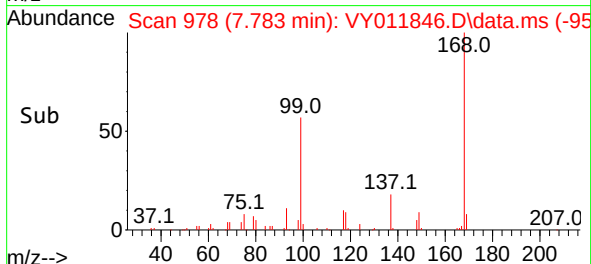
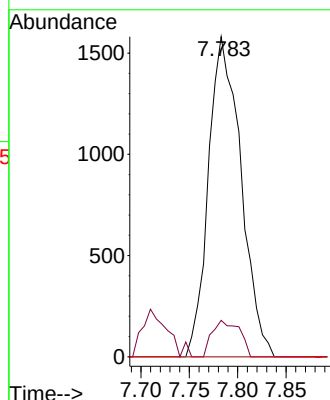
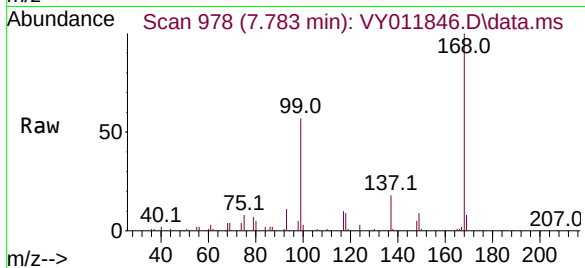
Instrument :

MSVOA_Y

ClientSampleId :

RB-26-(2-4)RE

Tgt Ion: 75	Resp:	3695
Ion	Ratio	Lower Upper
75	100	
110	9.5	18.1 54.1#
77	0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.085 ug/l

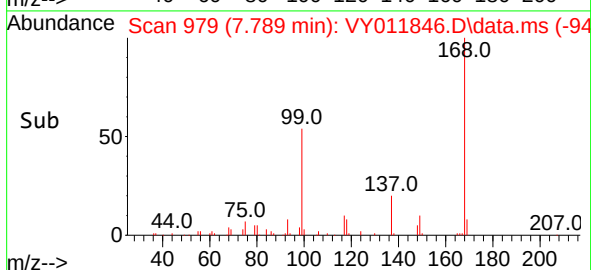
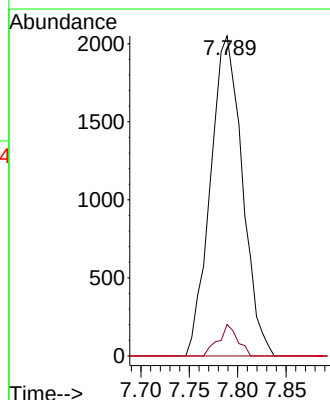
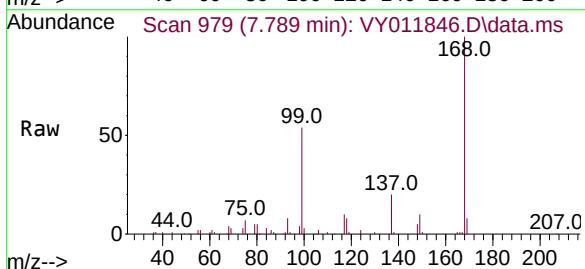
RT: 7.789 min Scan# 979

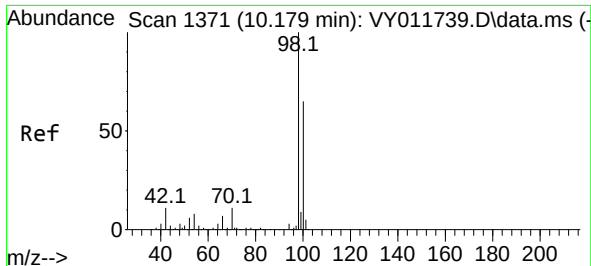
Delta R.T. -0.116 min

Lab File: VY011846.D

Acq: 14 Dec 2022 15:34

Tgt Ion: 117	Resp:	4712
Ion	Ratio	Lower Upper
117	100	
119	9.9	73.8 110.8#
121	0.0	25.2 37.8#

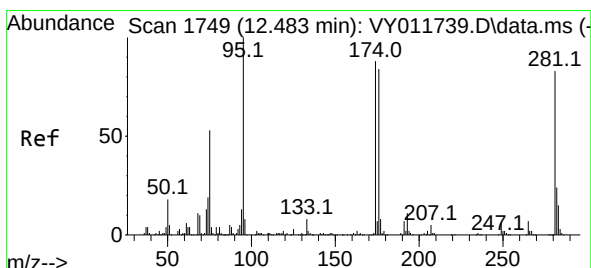
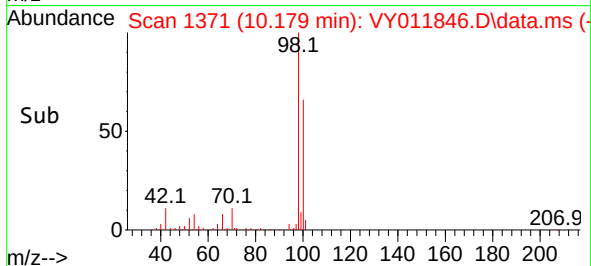
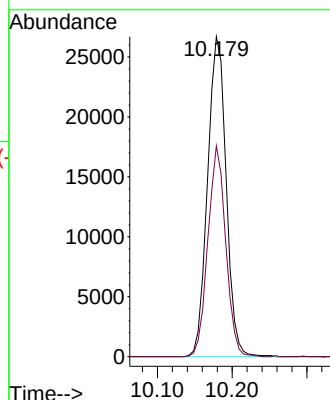
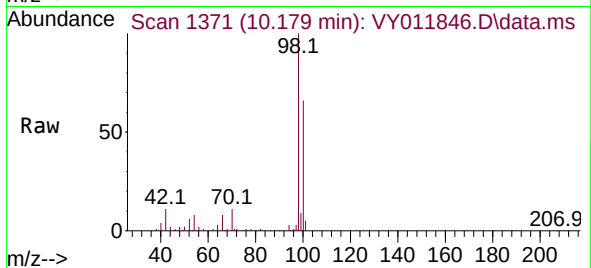




#50
Toluene-d8
Concen: 41.319 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

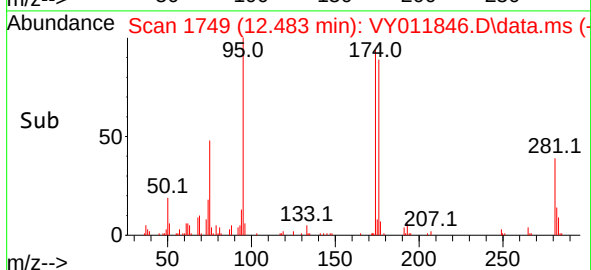
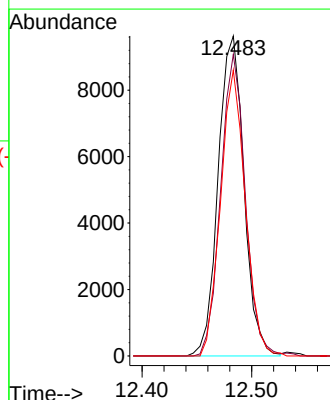
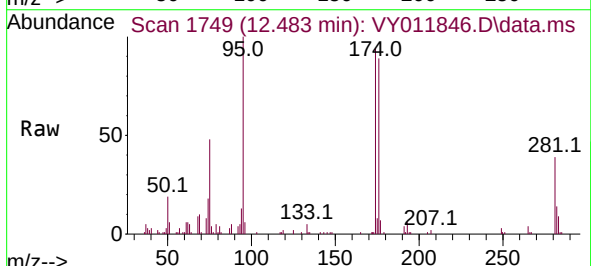
Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

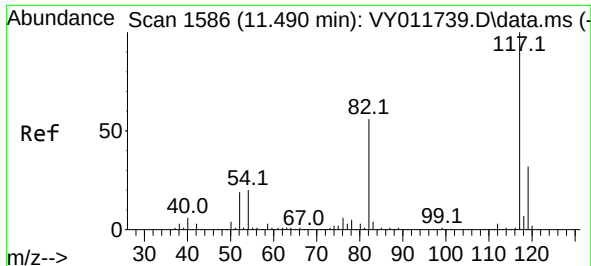
Tgt Ion: 98 Resp: 46160
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 35.015 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion: 95 Resp: 15739
Ion Ratio Lower Upper
95 100
174 90.2 0.0 172.0
176 85.5 0.0 167.6

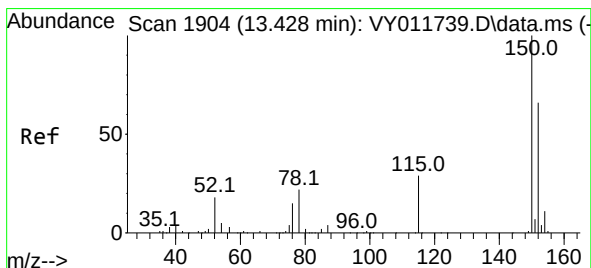
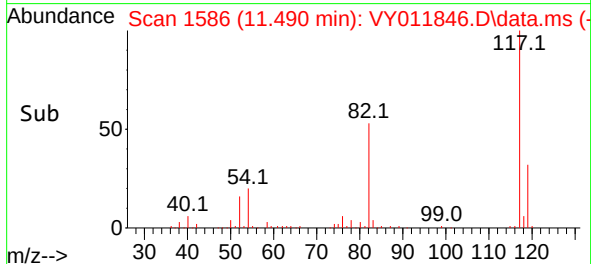
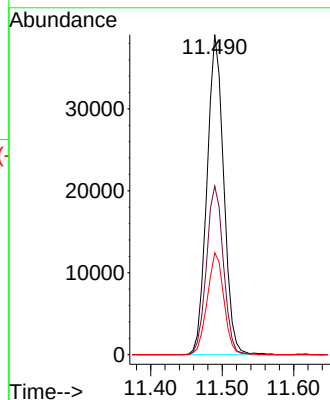
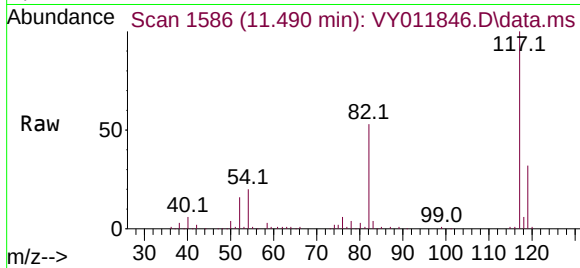




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

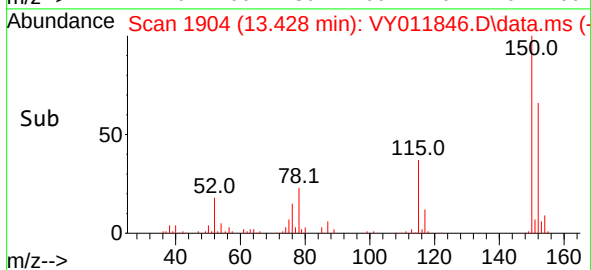
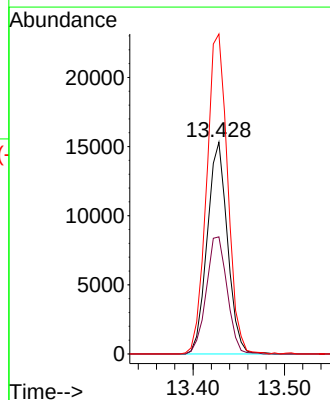
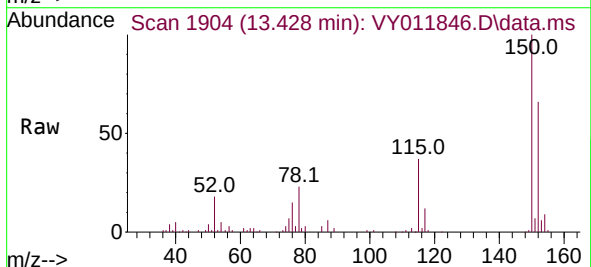
Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

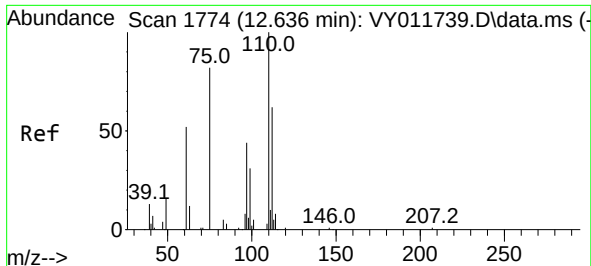
Tgt Ion:117 Resp: 63490
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion:152 Resp: 23553
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.3 0.0 342.6

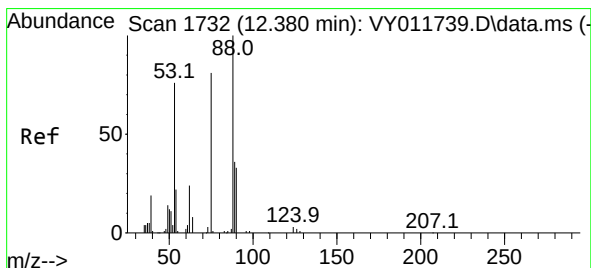
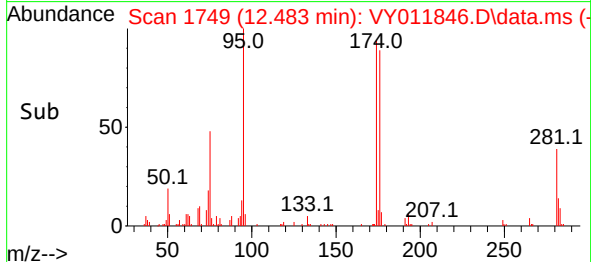
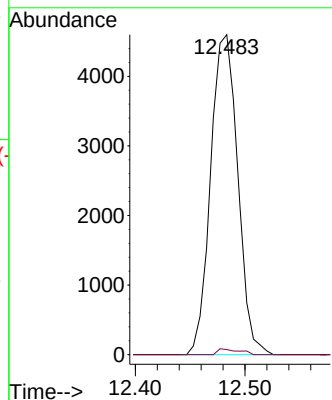
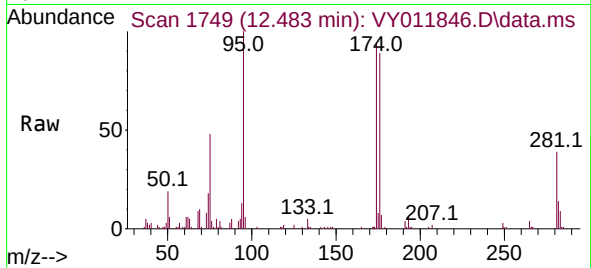




#76
1,2,3-Trichloropropane
Concen: 33.224 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Instrument :
MSVOA_Y
ClientSampleId :
RB-26-(2-4)RE

Tgt Ion: 75 Resp: 7917
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.391 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011846.D
Acq: 14 Dec 2022 15:34

Tgt Ion: 75 Resp: 7917
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

