

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009053.D
 Acq On : 24 May 2022 11:50
 Operator : KP/MD
 Sample : N2963-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-057RE

Quant Time: May 25 02:50:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

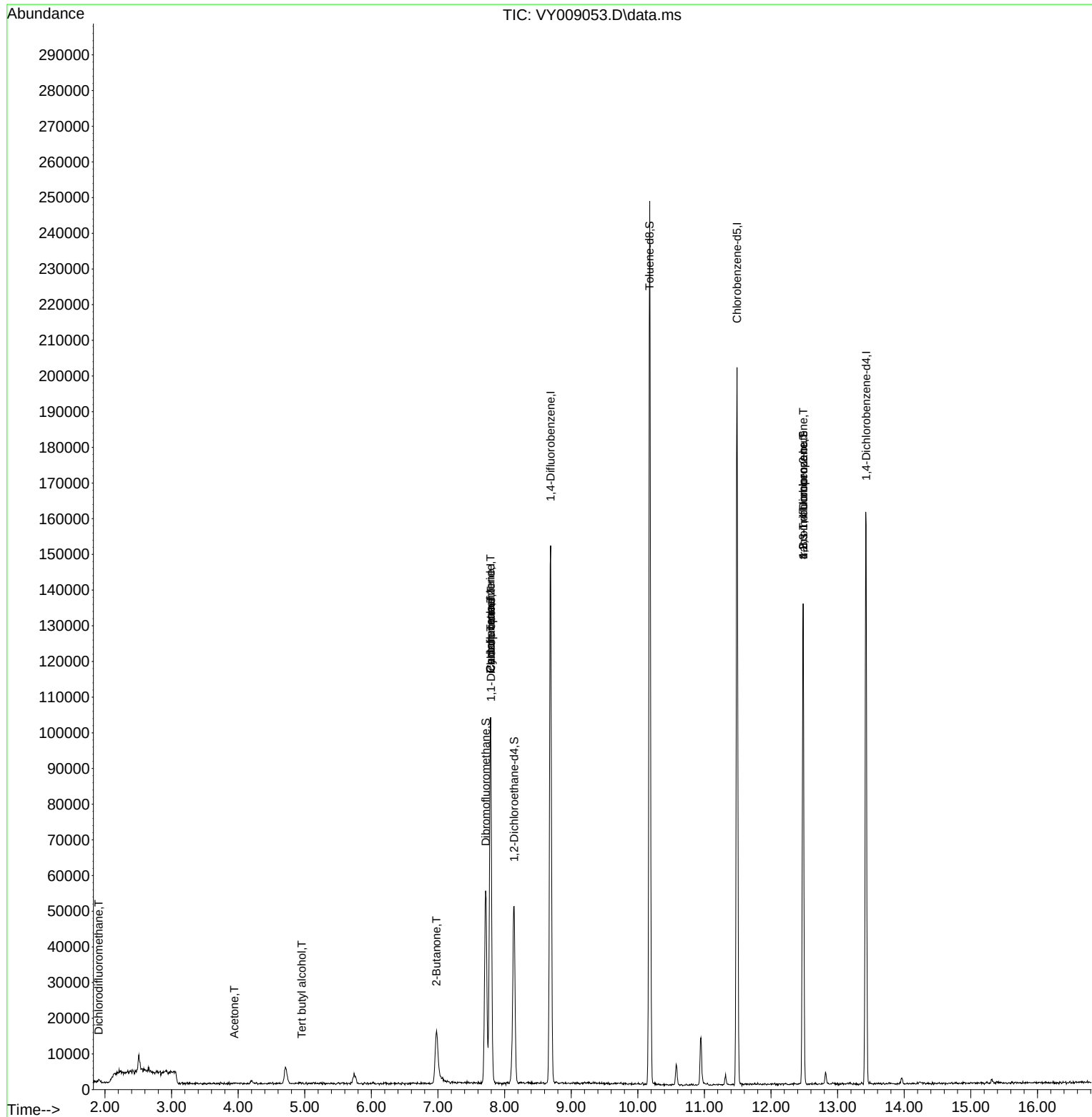
Internal Standards						
1) Pentafluorobenzene	7.789	168	76655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	127130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	103229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	36159	45.834	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.660%
35) Dibromofluoromethane	7.716	113	37493	47.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.860%
50) Toluene-d8	10.179	98	152516	52.295	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.600%
62) 4-Bromofluorobenzene	12.483	95	35178	29.901	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	59.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	742	1.058	ug/l	87
11) Tert butyl alcohol	4.954	59	101	1.262	ug/l #	77
16) Acetone	3.942	43	488	2.972	ug/l #	47
20) Methylene Chloride	4.704	84	3381	Below Cal	#	66
25) 2-Butanone	6.978	43	873	2.976	ug/l #	54
31) Cyclohexane	7.789	56	2021	1.309	ug/l #	5
36) 1,1-Dichloropropene	7.795	75	6832	5.078	ug/l #	50
38) Carbon Tetrachloride	7.789	117	7677	5.455	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	20942	49.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20942	100.858	ug/l #	7

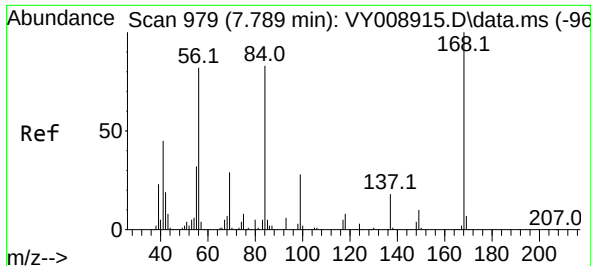
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 25 02:50:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
Quant Title : SW846 8260
QLast Update : Fri May 20 23:50:52 2022
Response via : Initial Calibration

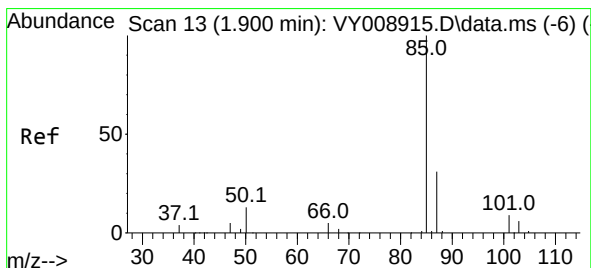
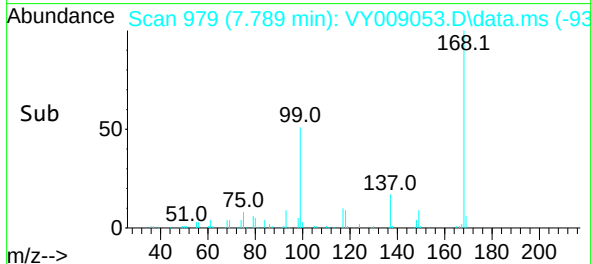
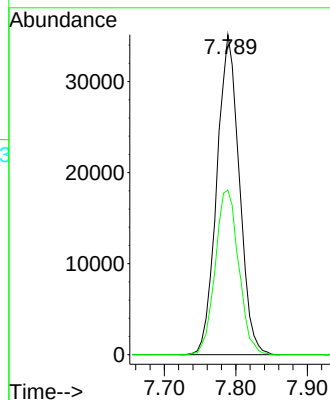
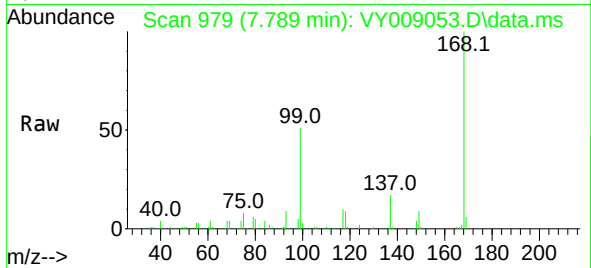




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

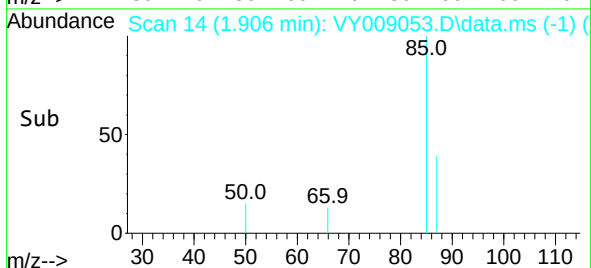
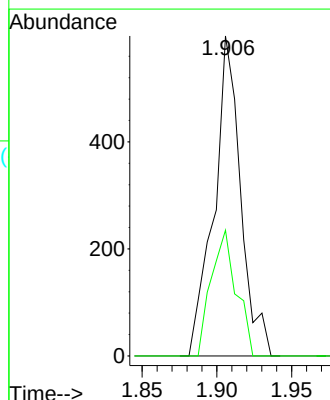
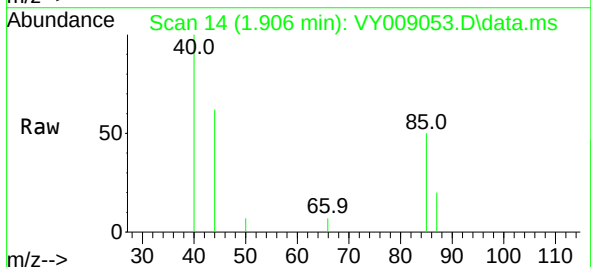
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

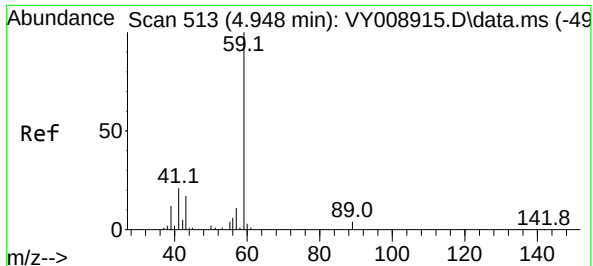
Tgt Ion:168 Resp: 76655
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.058 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 85 Resp: 742
Ion Ratio Lower Upper
85 100
87 39.3 16.1 48.2





#11

Tert butyl alcohol

Concen: 1.262 ug/l

RT: 4.954 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY009053.D

Acq: 24 May 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :

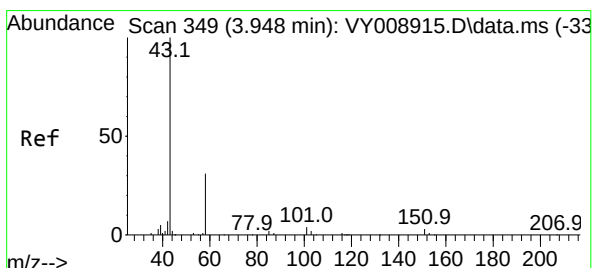
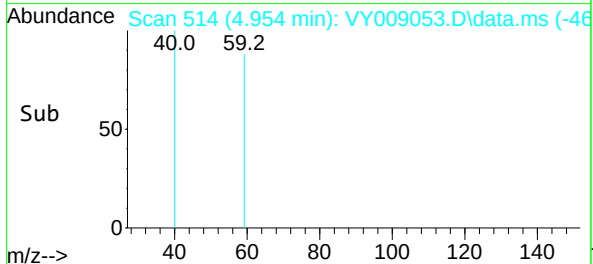
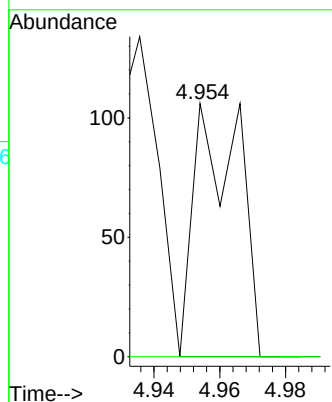
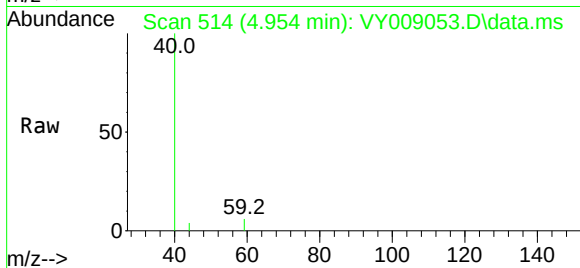
RBR-057RE

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.972 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY009053.D

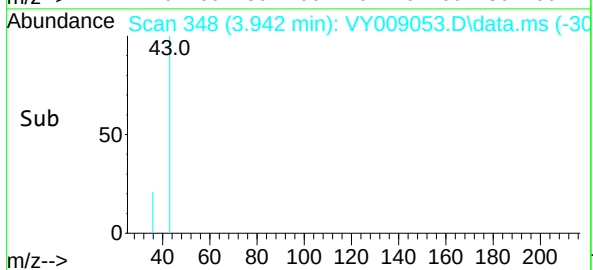
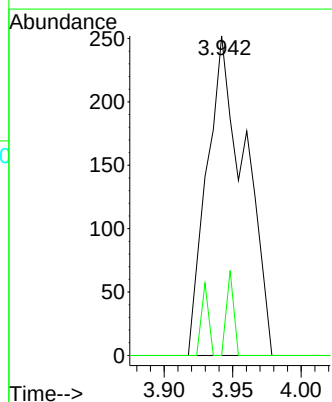
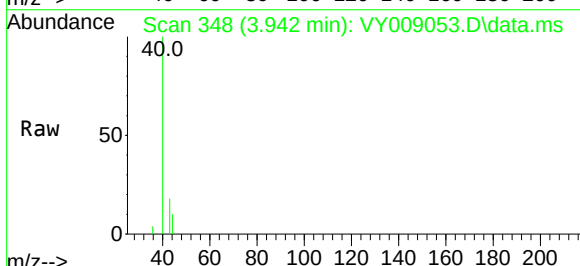
Acq: 24 May 2022 11:50

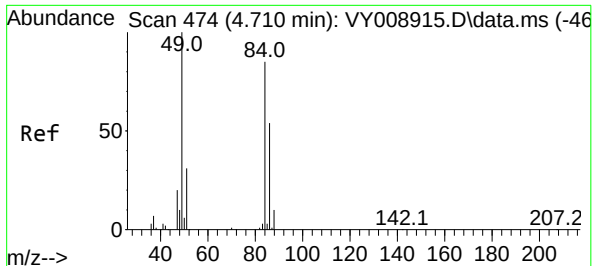
Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

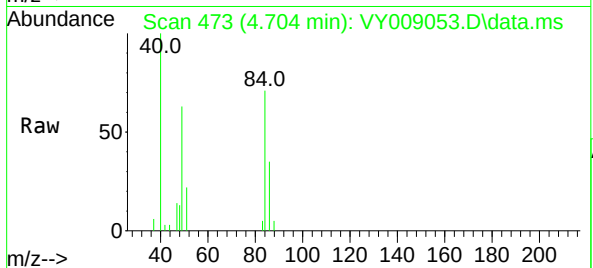
58 0.0 22.0 33.0#



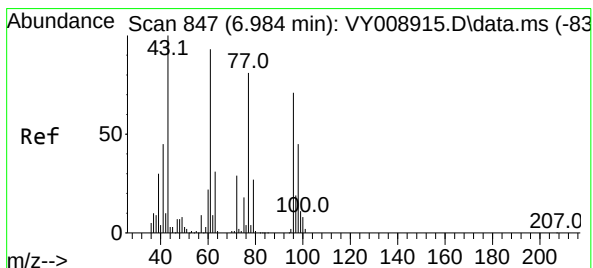
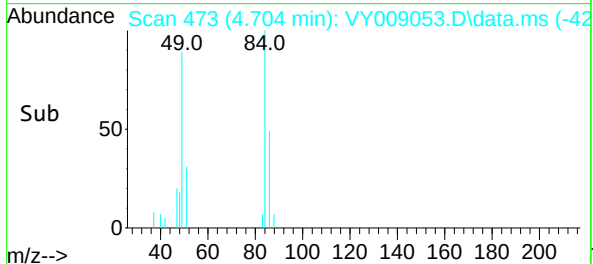
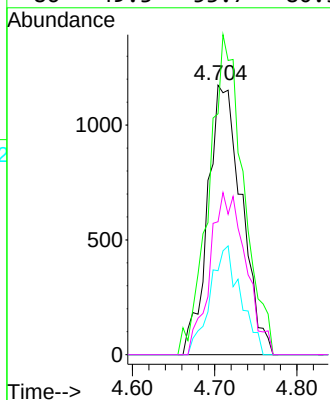


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

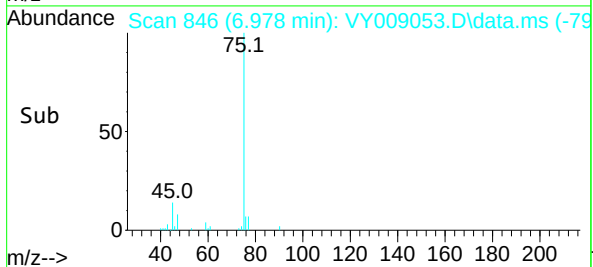
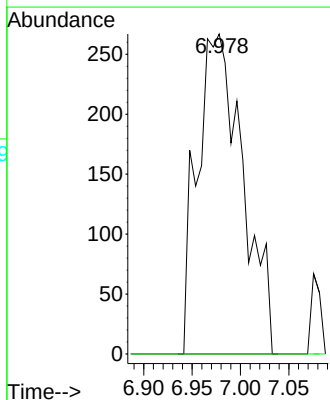
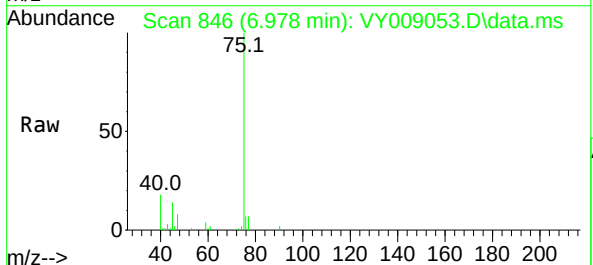


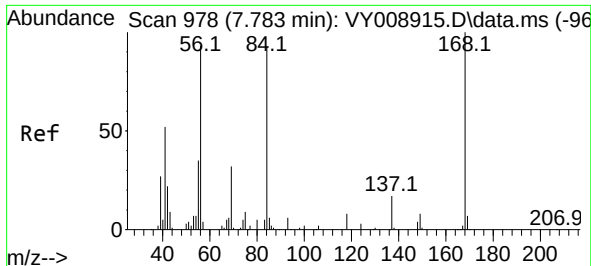
Tgt Ion: 84 Resp: 3381
Ion Ratio Lower Upper
84 100
49 89.4 114.4 171.6#
51 31.2 35.3 52.9#
86 49.3 53.7 80.5#



#25
2-Butanone
Concen: 2.976 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

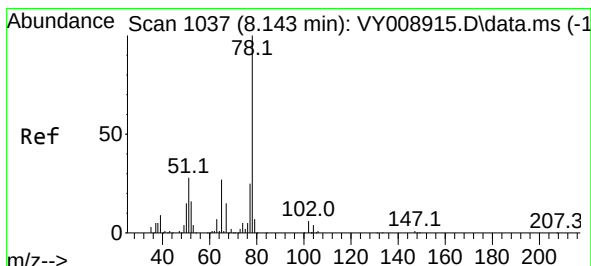
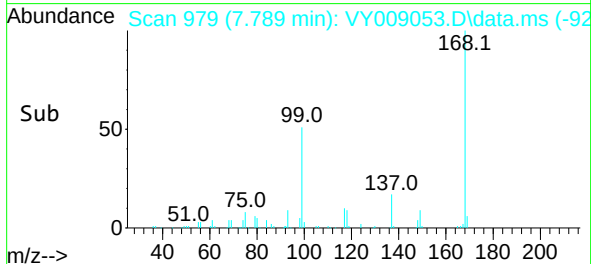
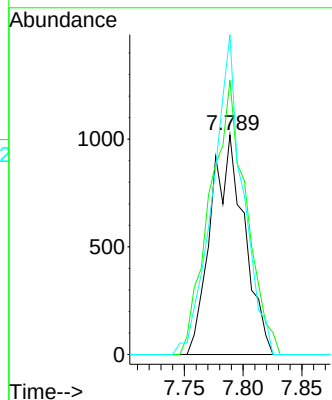
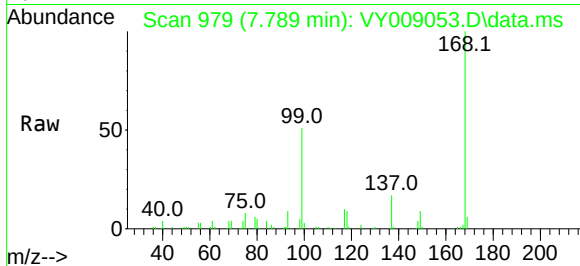




#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

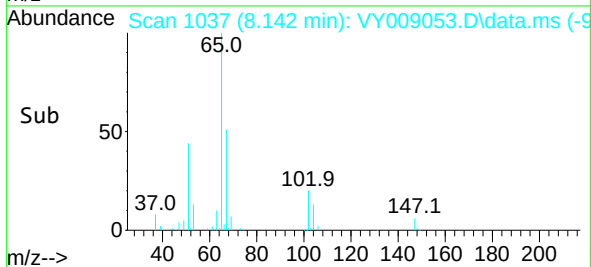
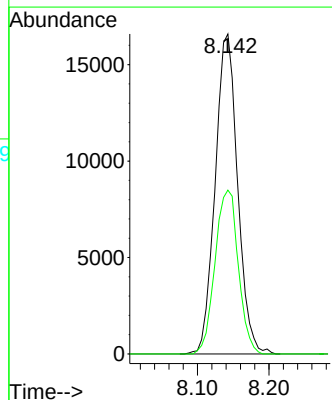
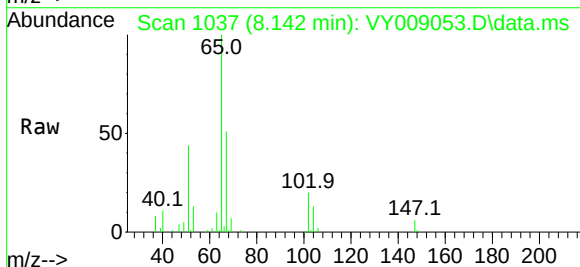
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

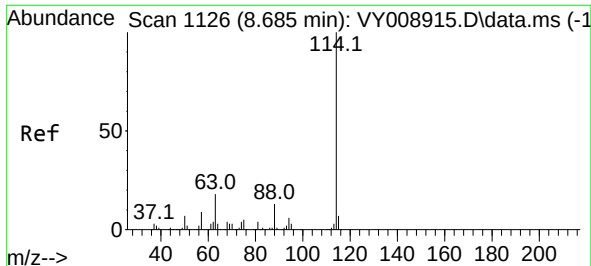
Tgt Ion: 56 Resp: 2021
Ion Ratio Lower Upper
56 100
69 124.9 26.7 40.1#
84 145.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.834 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 65 Resp: 36159
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009053.D

Acq: 24 May 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :

RBR-057RE

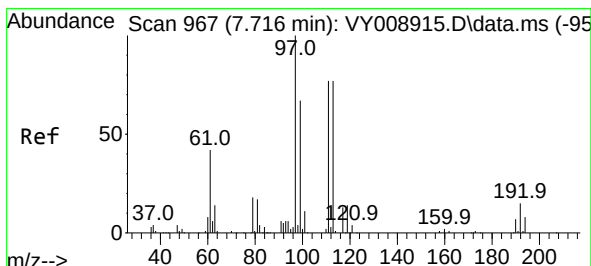
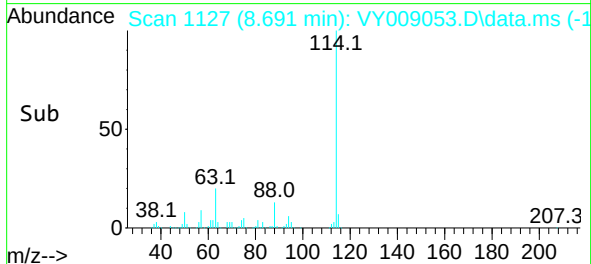
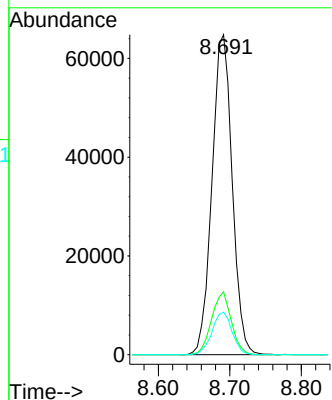
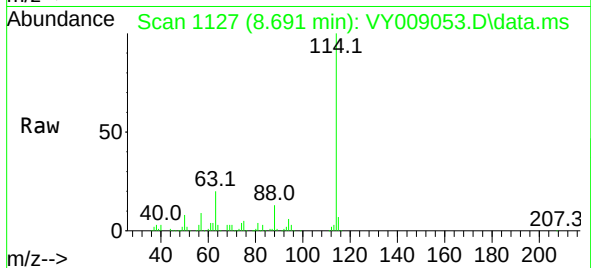
Tgt Ion:114 Resp: 127130

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 13.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.427 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009053.D

Acq: 24 May 2022 11:50

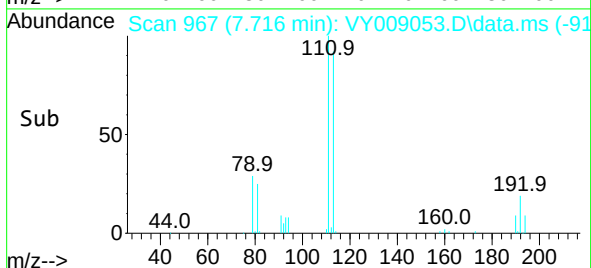
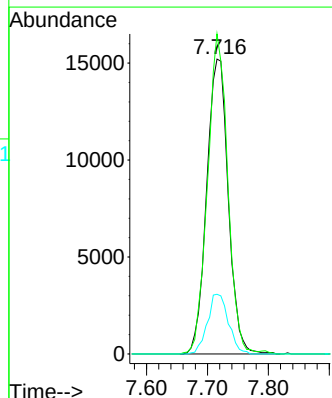
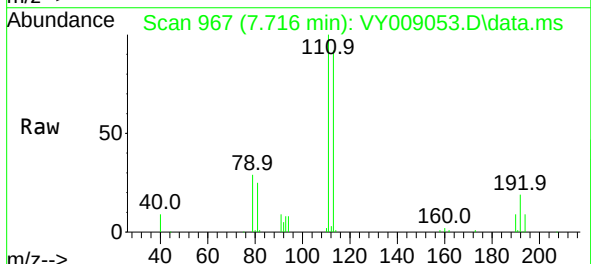
Tgt Ion:113 Resp: 37493

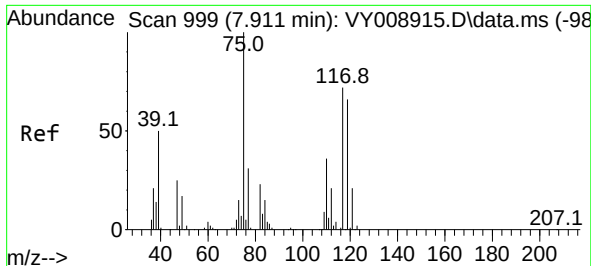
Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

192 19.6 17.6 26.4

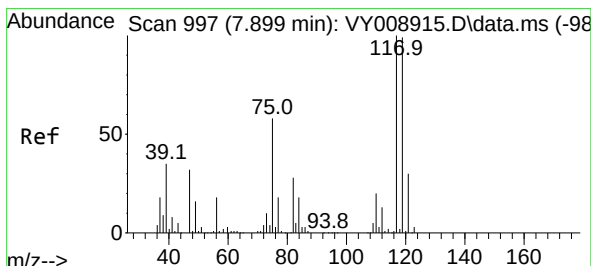
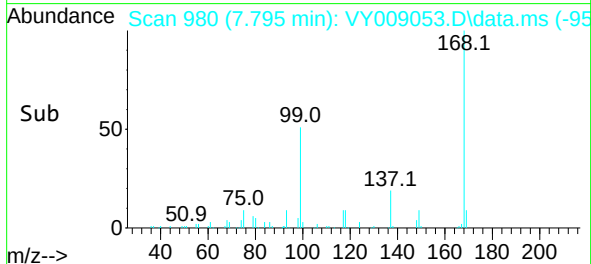
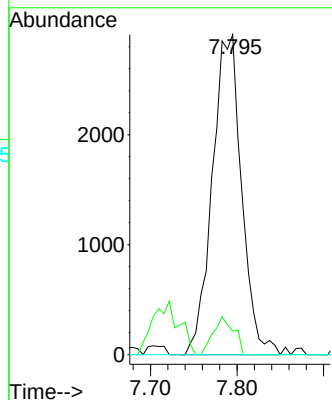
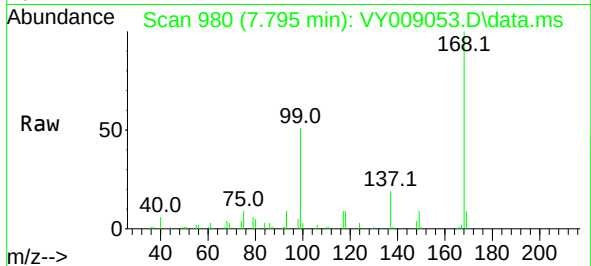




#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

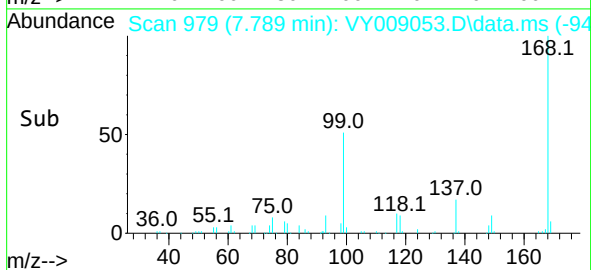
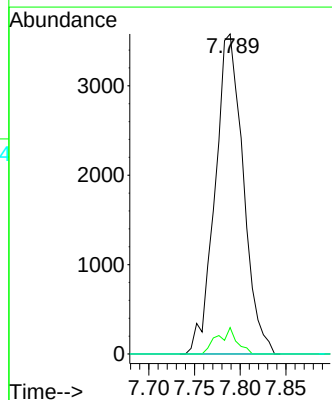
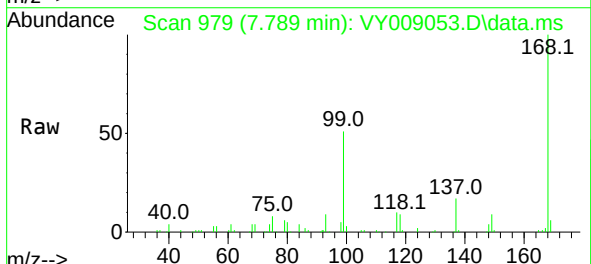
Instrument :
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RBR-057RE

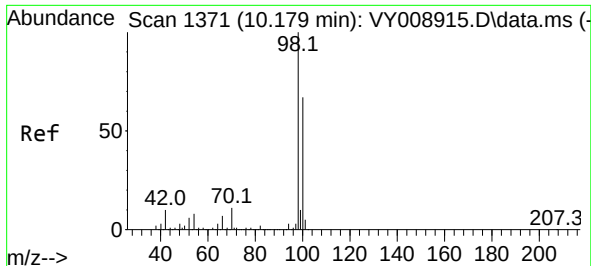
Tgt Ion: 75 Resp: 6832
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 117 Resp: 7677
Ion Ratio Lower Upper
117 100
119 8.2 77.9 116.9#
121 0.0 24.8 37.2#

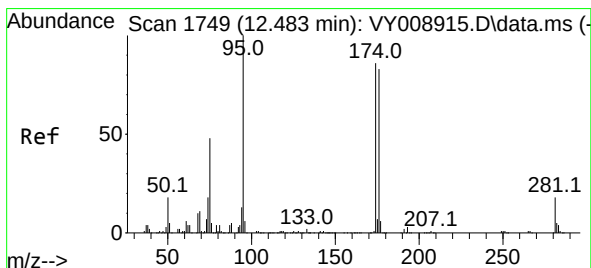
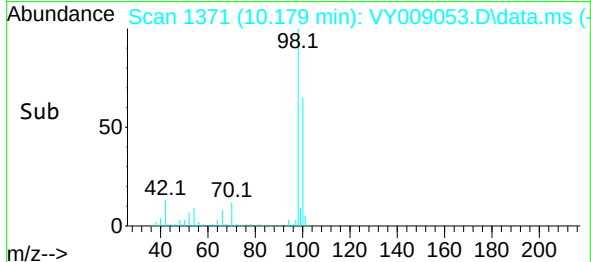
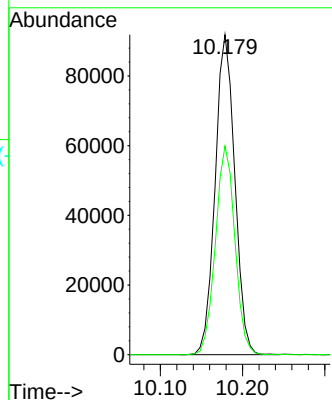
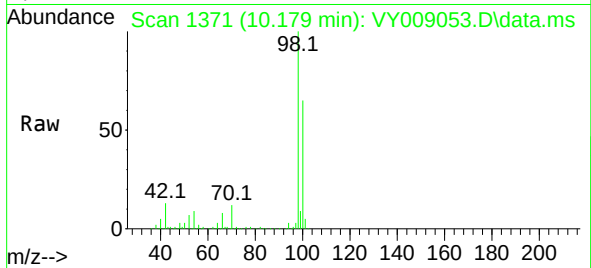




#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

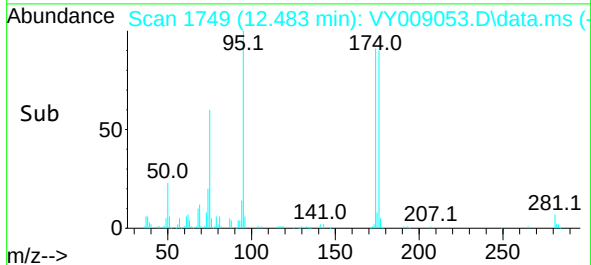
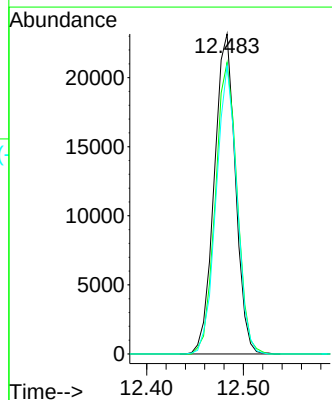
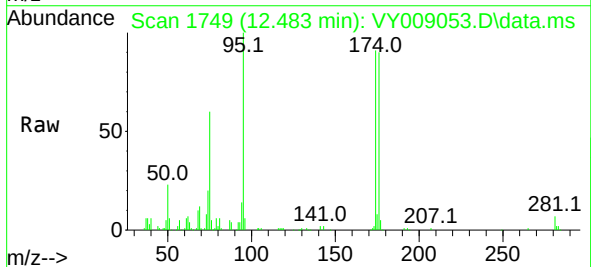
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

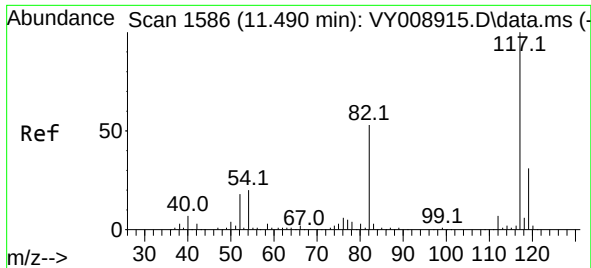
Tgt Ion: 98 Resp: 152516
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 29.901 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 95 Resp: 35178
Ion Ratio Lower Upper
95 100
174 93.1 0.0 177.0
176 88.4 0.0 175.8

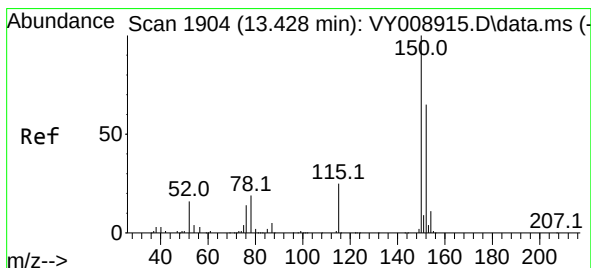
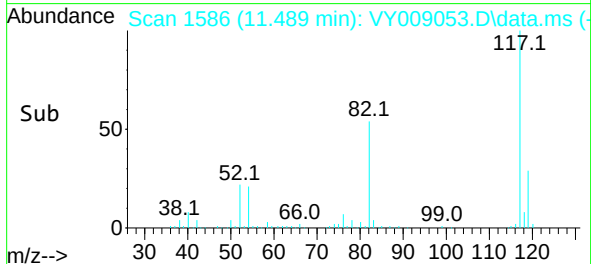
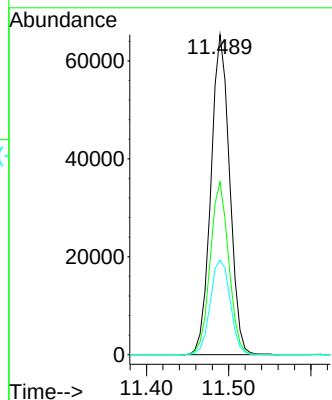
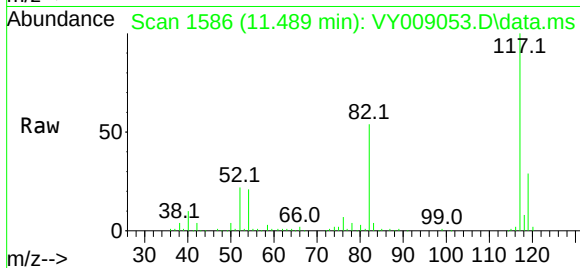




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

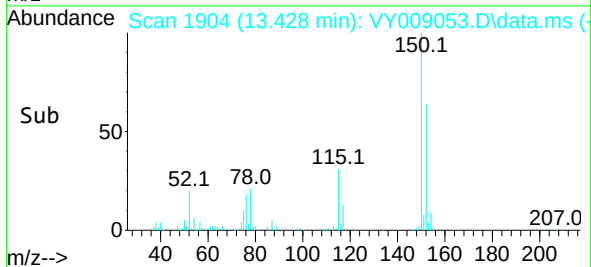
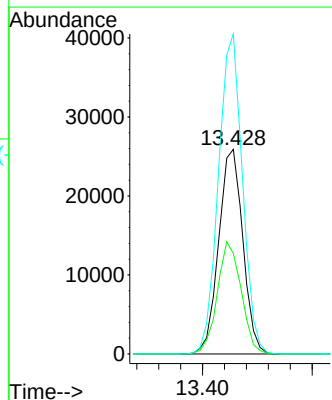
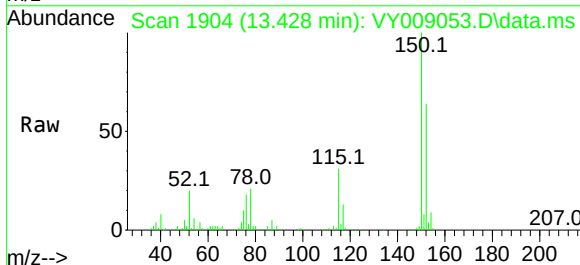
Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

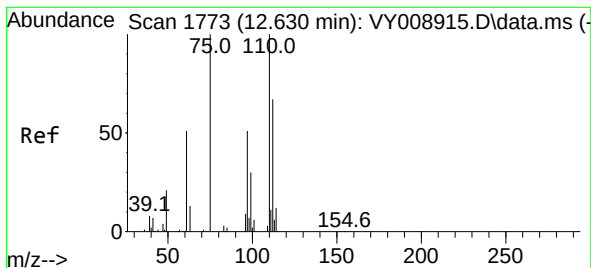
Tgt Ion:117 Resp: 103229
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 29.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion:152 Resp: 39686
Ion Ratio Lower Upper
152 100
115 54.1 28.2 84.7
150 154.9 0.0 347.6

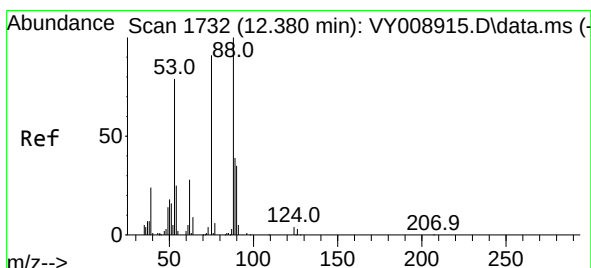
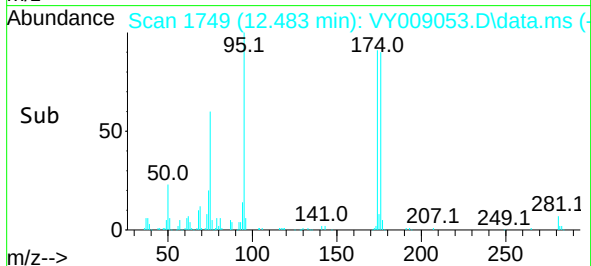
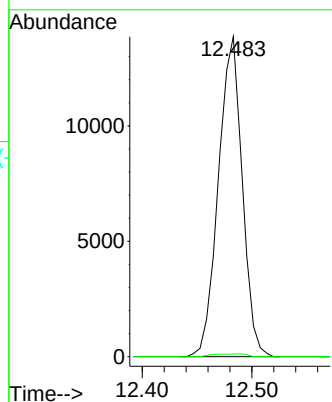
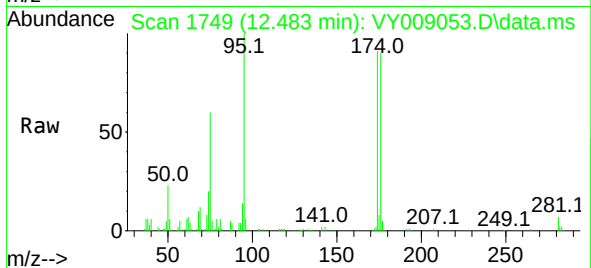




#76
1,2,3-Trichloropropane
Concen: 49.139 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Instrument :
MSVOA_Y
ClientSampleId :
RBR-057RE

Tgt Ion: 75 Resp: 20942
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.858 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY009053.D
Acq: 24 May 2022 11:50

Tgt Ion: 75 Resp: 20942
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

