

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009964.D
 Acq On : 11 Aug 2022 15:21
 Operator : KP/MD
 Sample : N4122-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200051

Quant Time: Aug 12 02:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

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

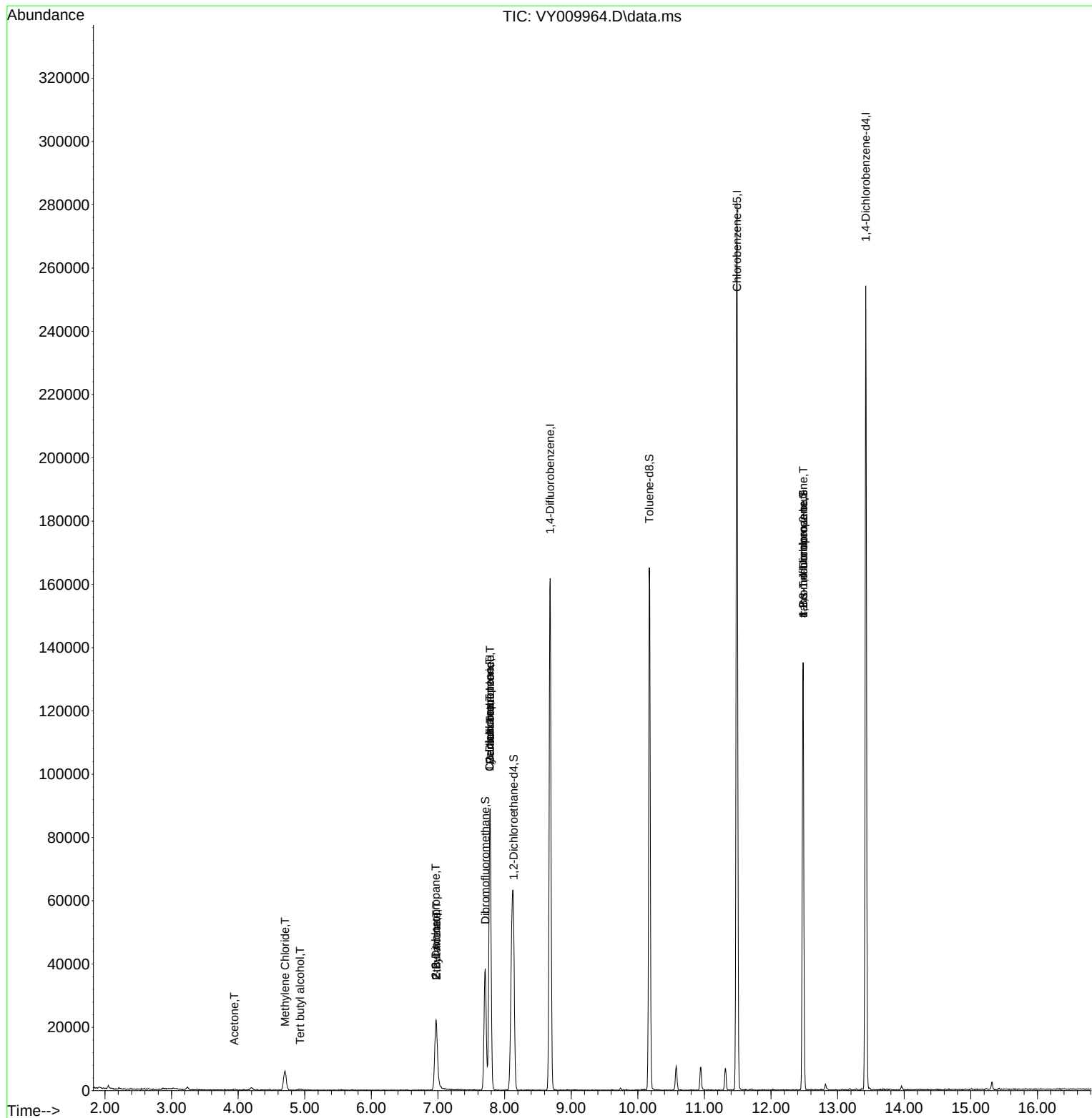
Internal Standards						
1) Pentafluorobenzene	7.783	168	66713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	138049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	147414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	30415	59.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.440%
35) Dibromofluoromethane	7.710	113	26950	33.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	67.860%
50) Toluene-d8	10.173	98	104066	44.131	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.260%
62) 4-Bromofluorobenzene	12.483	95	39347	35.236	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.480%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	159	Below Cal	#	42
5) Bromomethane	2.662	94	125	Below Cal	#	58
11) Tert butyl alcohol	4.930	59	225	3.453	ug/l #	78
16) Acetone	3.942	43	519	3.092	ug/l #	45
18) Methyl Acetate	4.460	43	259	Below Cal	#	52
20) Methylene Chloride	4.704	84	4309	1.390	ug/l	96
25) 2-Butanone	6.978	43	1092	3.802	ug/l #	75
26) 2,2-Dichloropropane	6.966	77	1624	1.408	ug/l #	52
31) Cyclohexane	7.777	56	1559	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	5720	4.137	ug/l #	50
37) Ethyl Acetate	6.978	43	1092	1.352	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6955	5.252	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	20437	31.683	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20437	61.672	ug/l #	13

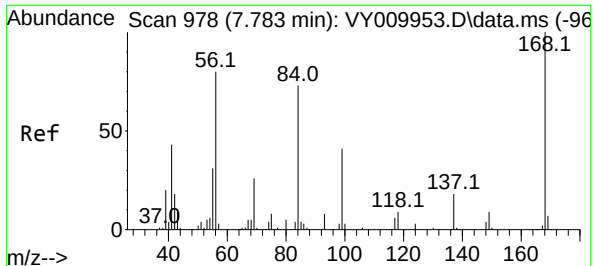
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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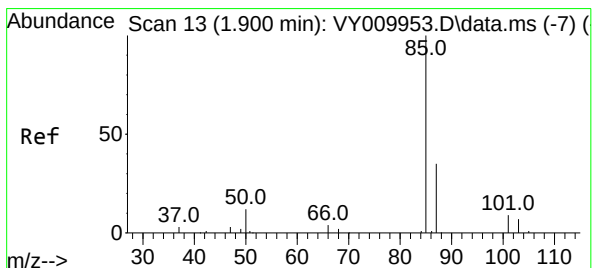
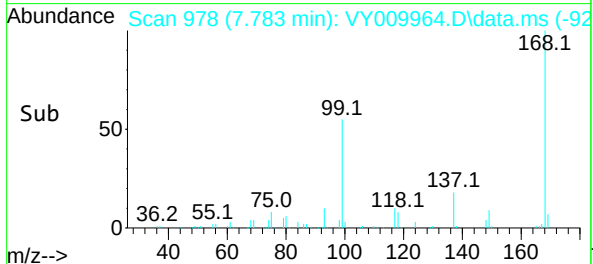
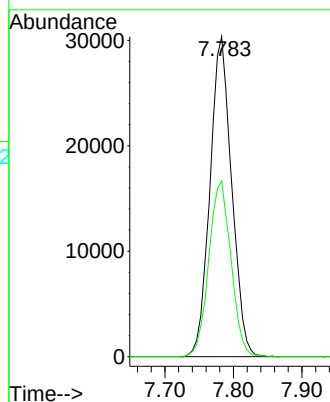
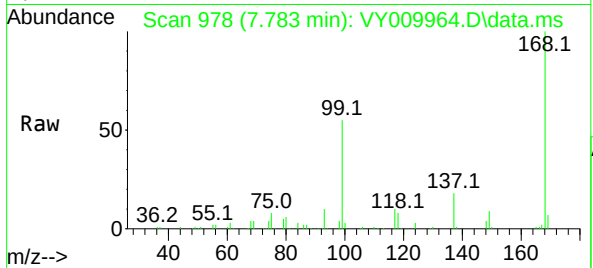




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

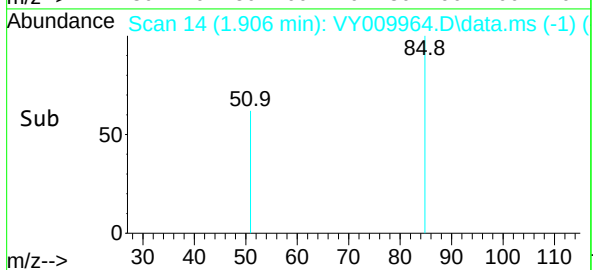
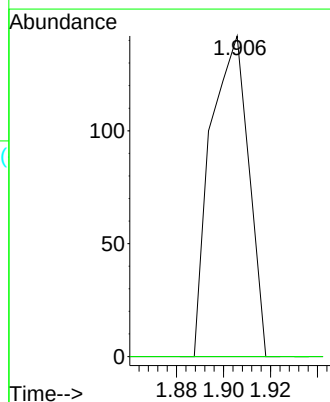
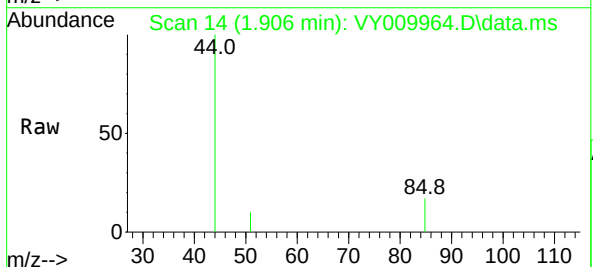
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

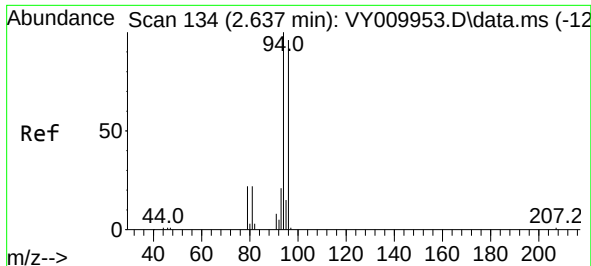
Tgt Ion:168 Resp: 66713
Ion Ratio Lower Upper
168 100
99 55.0 42.1 63.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Tgt Ion: 85 Resp: 159
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

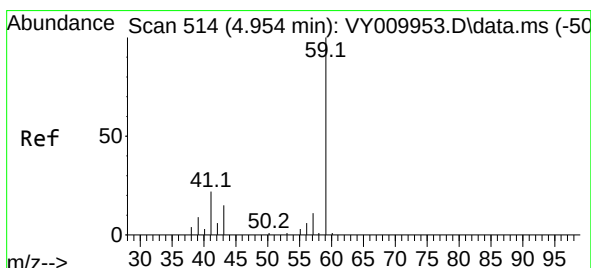
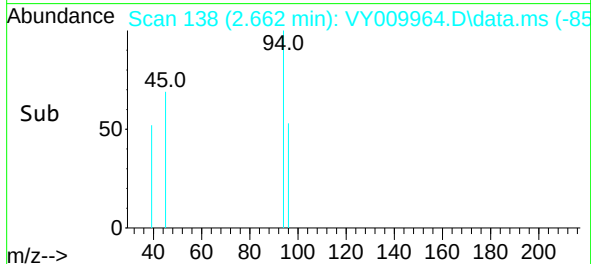
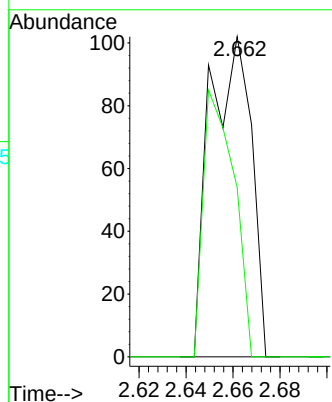
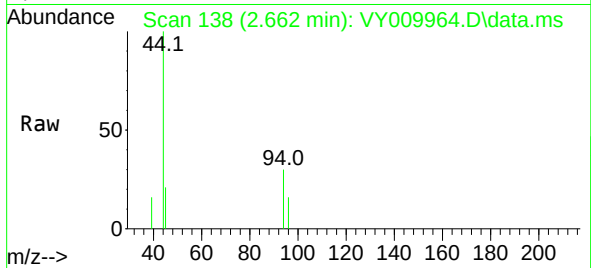




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

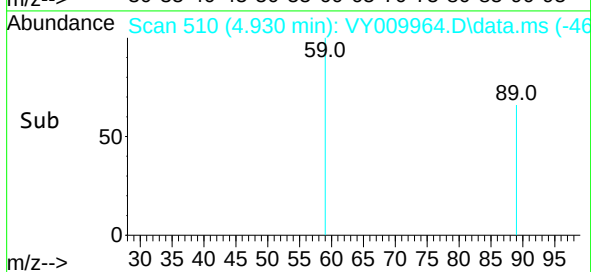
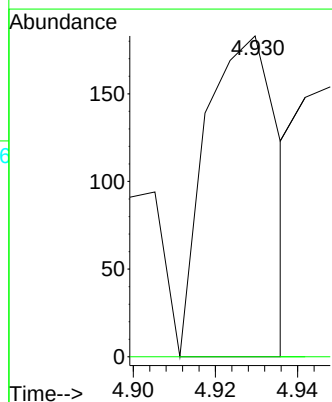
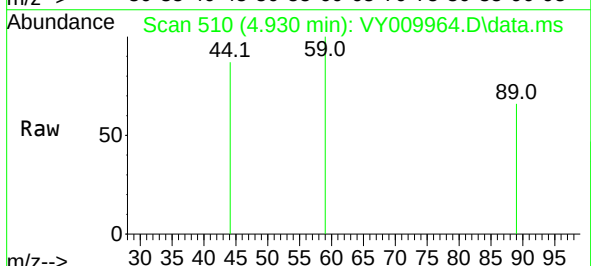
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

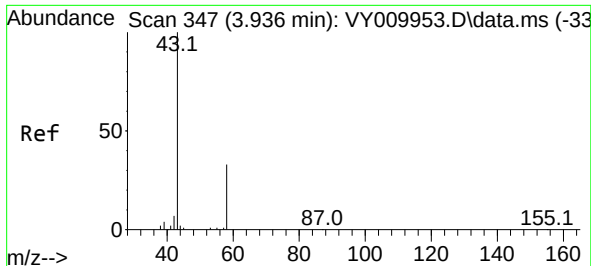
Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 52.9 74.6 111.8#



#11
Tert butyl alcohol
Concen: 3.453 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#





#16

Acetone

Concen: 3.092 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009964.D

Acq: 11 Aug 2022 15:21

Instrument :

MSVOA_Y

ClientSampleId :

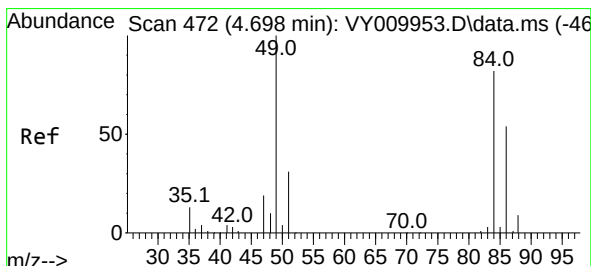
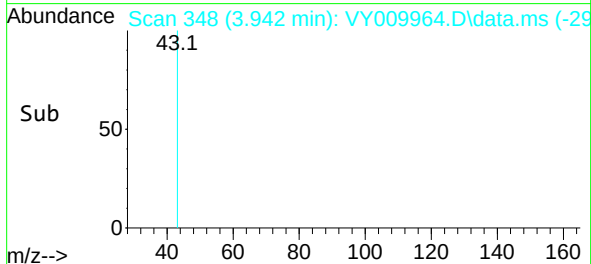
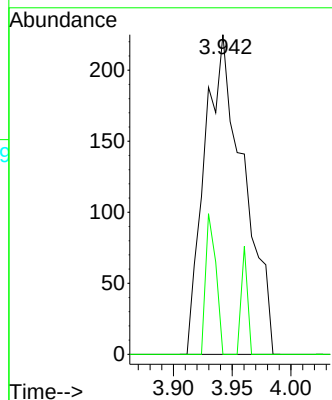
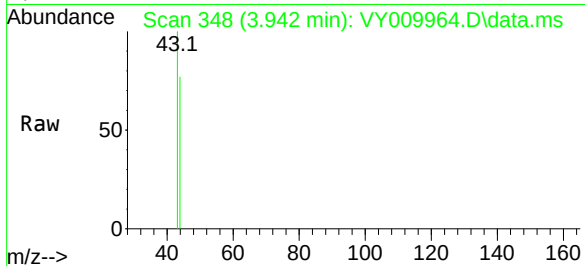
RBR-200051

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#20

Methylene Chloride

Concen: 1.390 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009964.D

Acq: 11 Aug 2022 15:21

Tgt Ion: 84 Resp: 4309

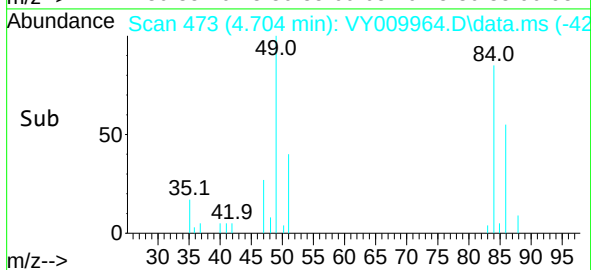
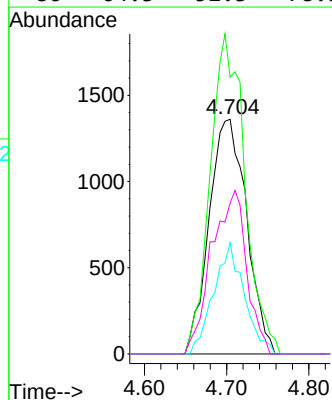
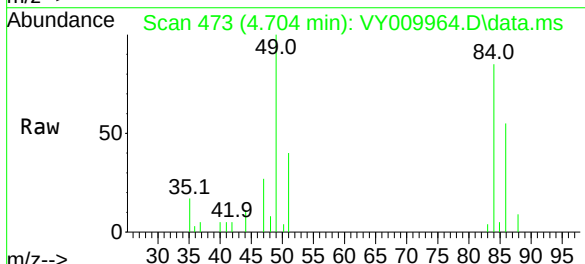
Ion Ratio Lower Upper

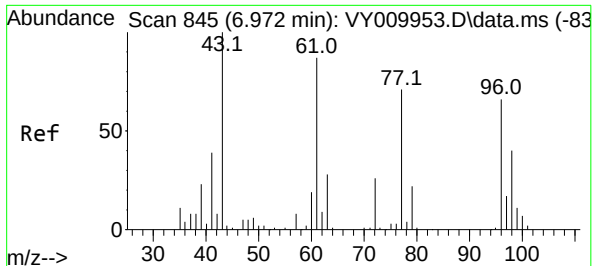
84 100

49 117.9 98.2 147.4

51 47.5 33.4 50.0

86 64.3 52.3 78.5





#25

2-Butanone

Concen: 3.802 ug/l

RT: 6.978 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY009964.D

Acq: 11 Aug 2022 15:21

Instrument :

MSVOA_Y

ClientSampleId :

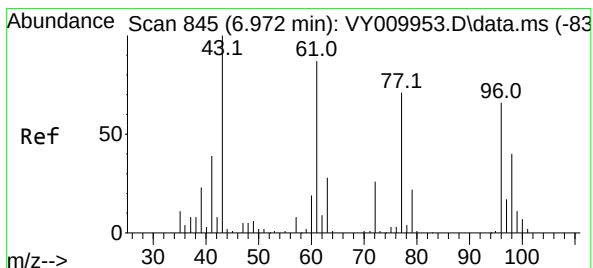
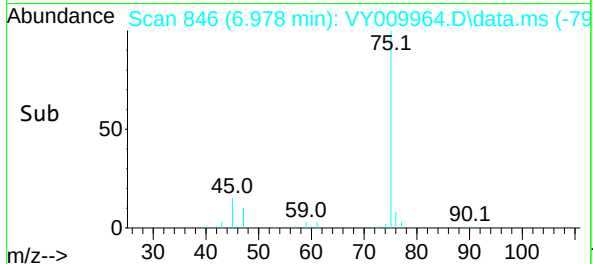
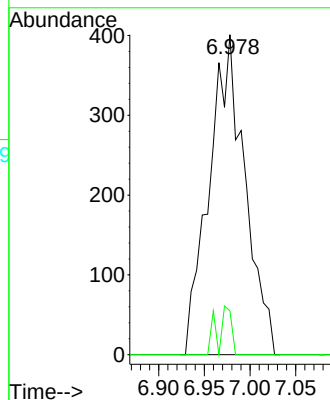
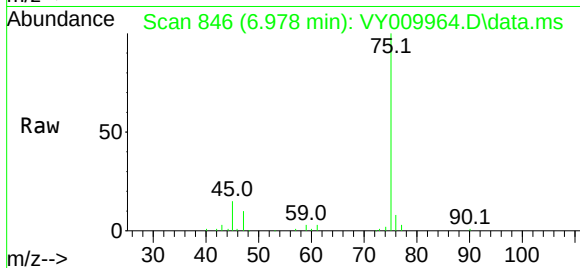
RBR-200051

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

72 13.7 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 1.408 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009964.D

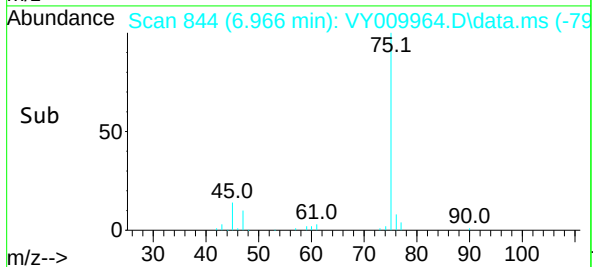
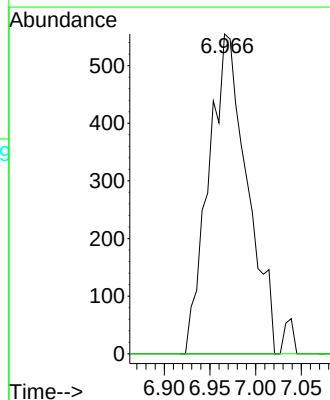
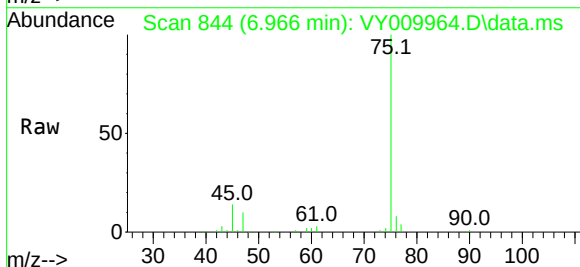
Acq: 11 Aug 2022 15:21

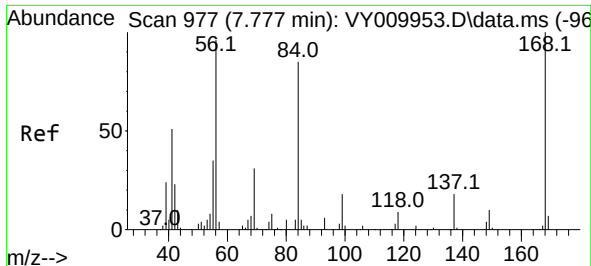
Tgt Ion: 77 Resp: 1624

Ion Ratio Lower Upper

77 100

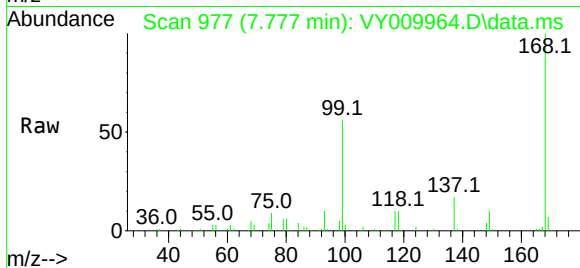
97 0.0 11.7 35.0#



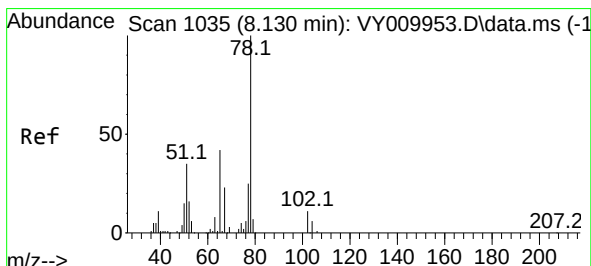
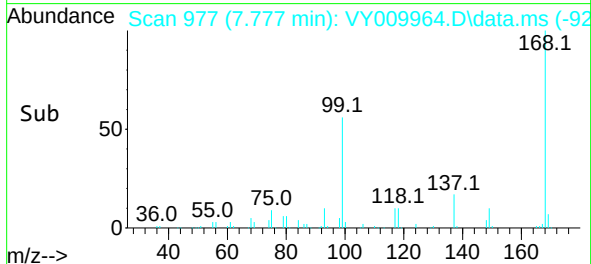
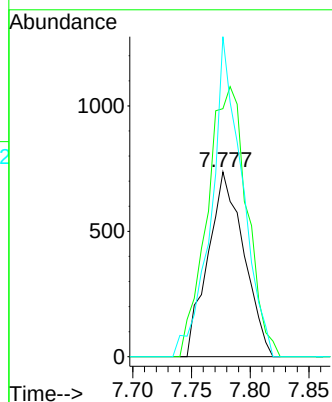


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

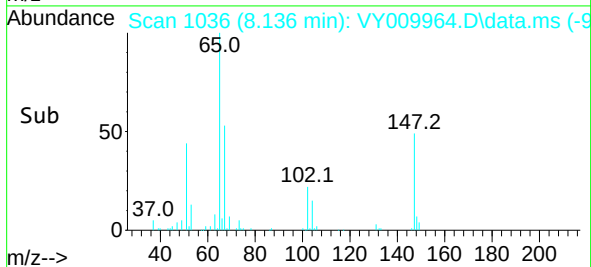
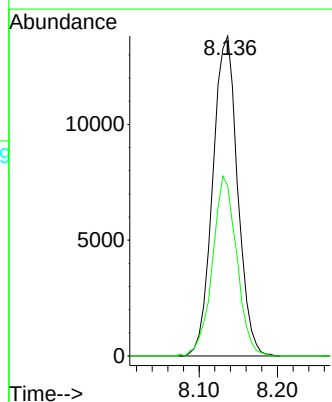
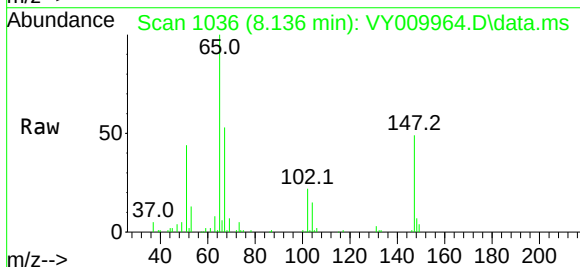


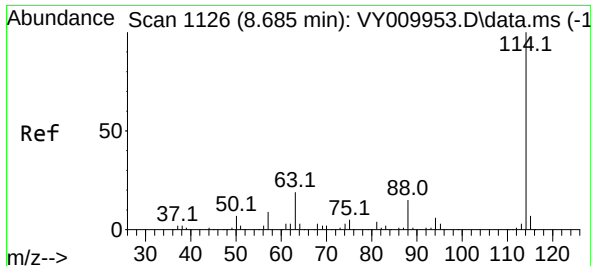
Tgt Ion: 56 Resp: 1559
Ion Ratio Lower Upper
56 100
69 134.2 26.0 39.0#
84 173.1 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 59.718 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Tgt Ion: 65 Resp: 30415
Ion Ratio Lower Upper
65 100
67 55.1 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009964.D

Acq: 11 Aug 2022 15:21

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200051

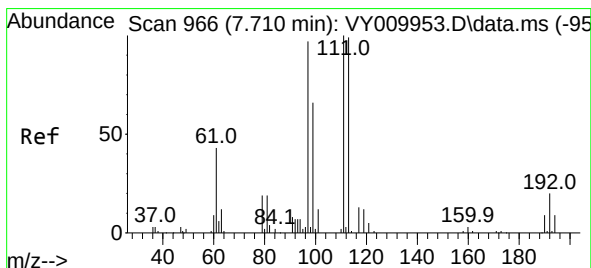
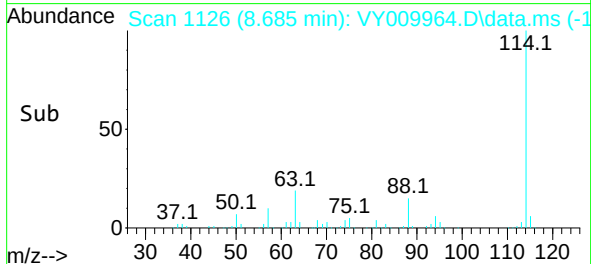
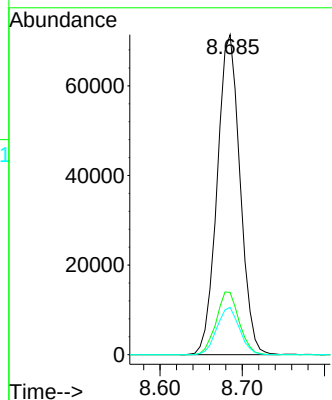
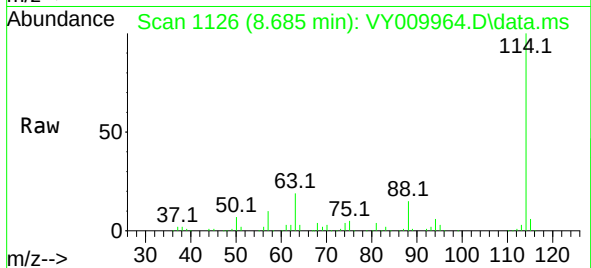
Tgt Ion:114 Resp: 138049

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 33.930 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009964.D

Acq: 11 Aug 2022 15:21

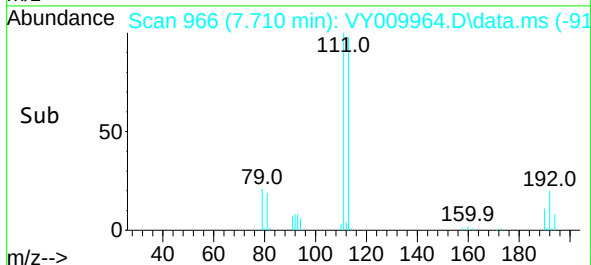
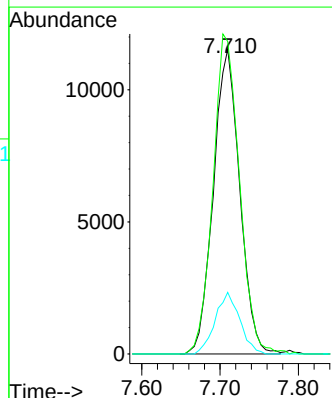
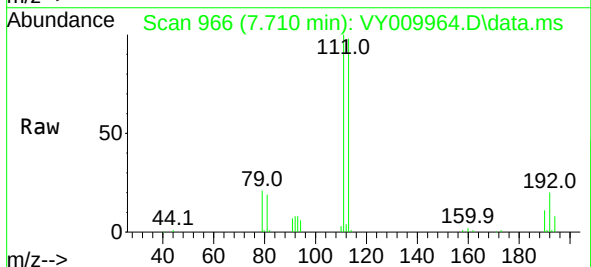
Tgt Ion:113 Resp: 26950

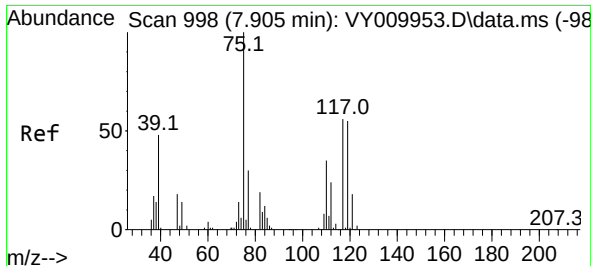
Ion Ratio Lower Upper

113 100

111 105.4 80.6 120.8

192 18.8 16.2 24.4

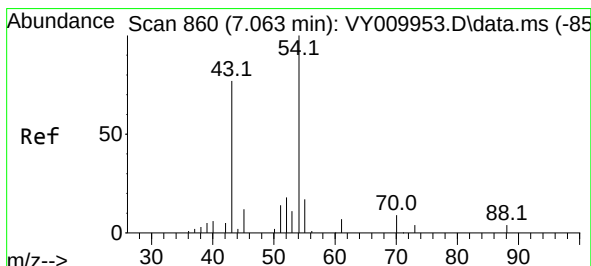
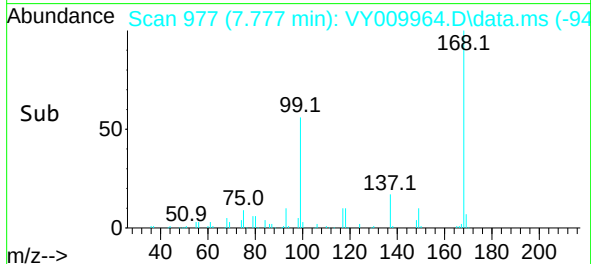
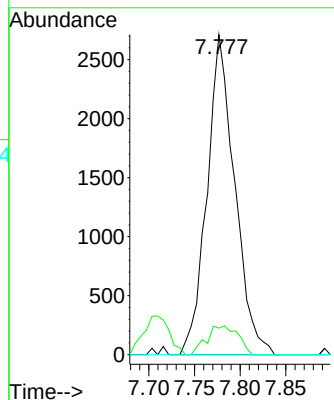
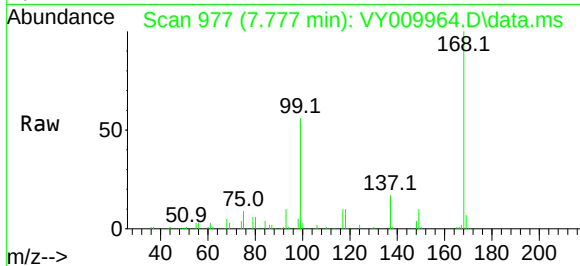




#36
1,1-Dichloropropene
Concen: 4.137 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

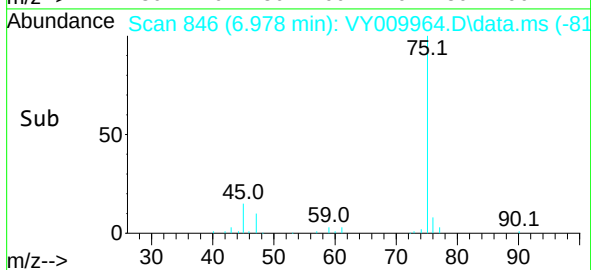
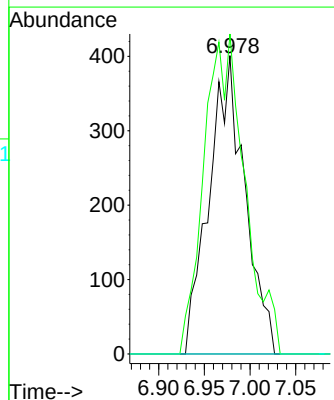
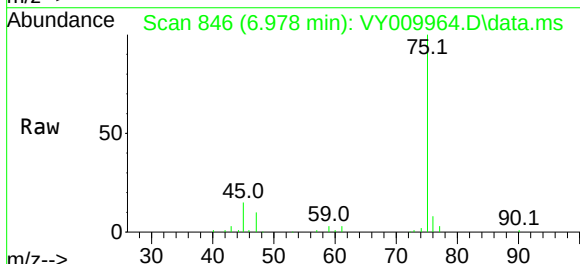
Instrument :
MSVOA_Y
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RBR-200051

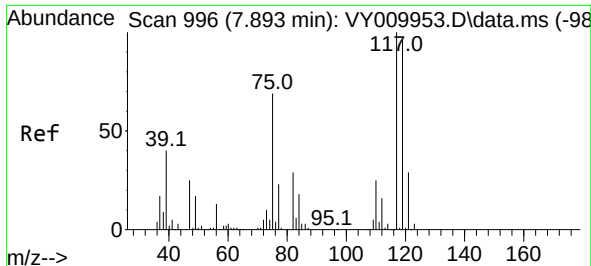
Tgt Ion: 75 Resp: 5720
Ion Ratio Lower Upper
75 100
110 10.2 18.6 56.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.352 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.085 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

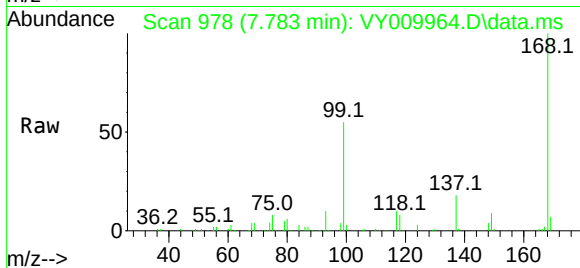
Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
61 122.3 11.2 16.8#
70 0.0 8.4 12.6#



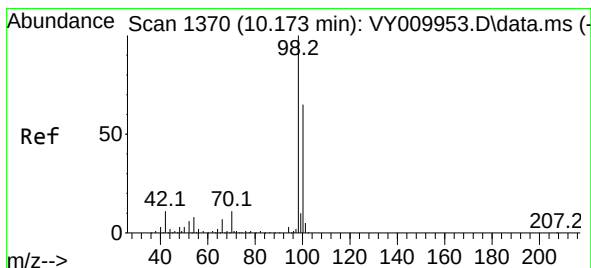
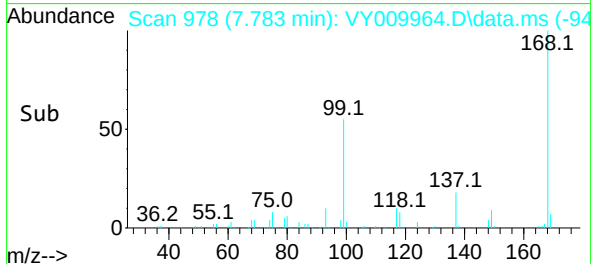
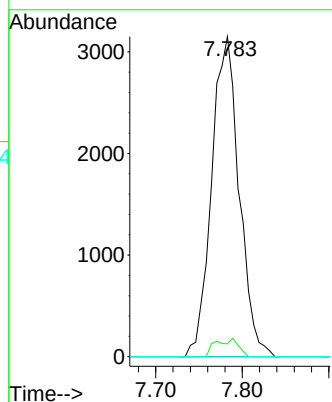


#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

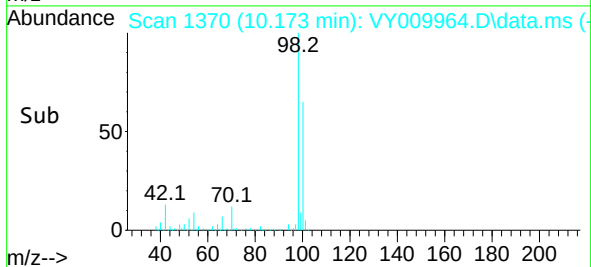
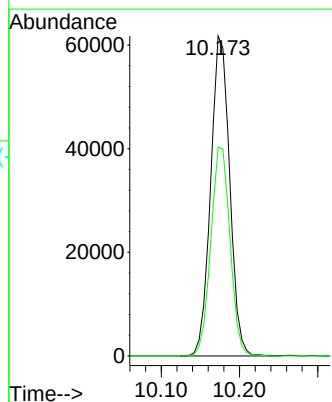
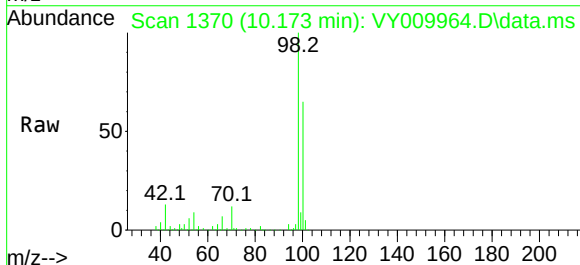


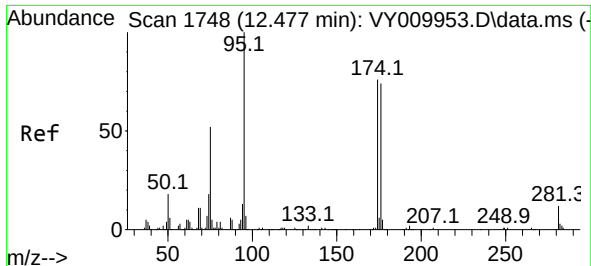
Tgt Ion:117 Resp: 6955
Ion Ratio Lower Upper
117 100
119 4.0 75.9 113.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 44.131 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Tgt Ion: 98 Resp: 104066
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

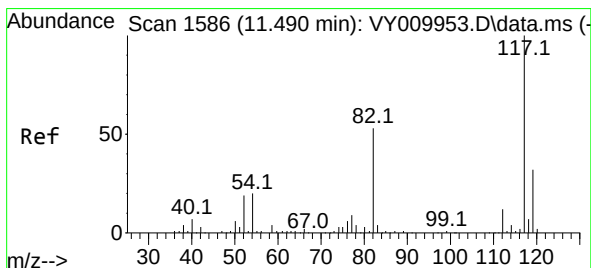
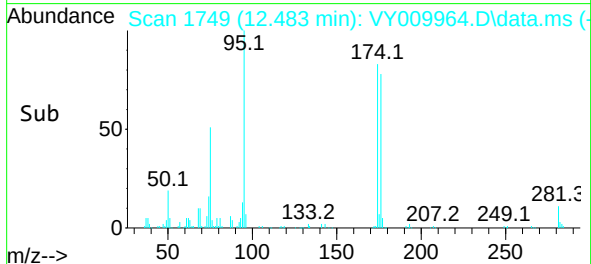
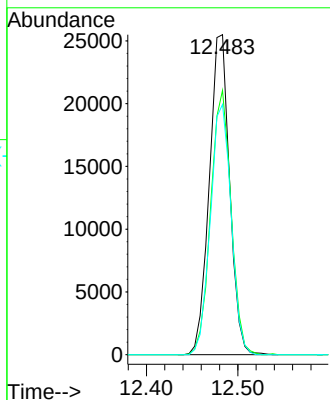
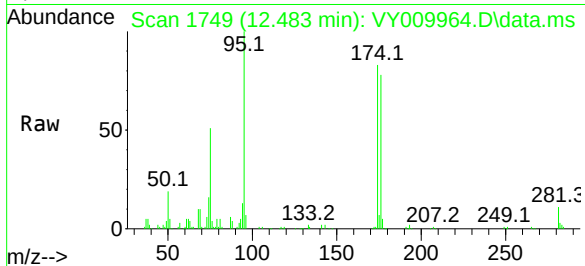




#62
4-Bromofluorobenzene
Concen: 35.236 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

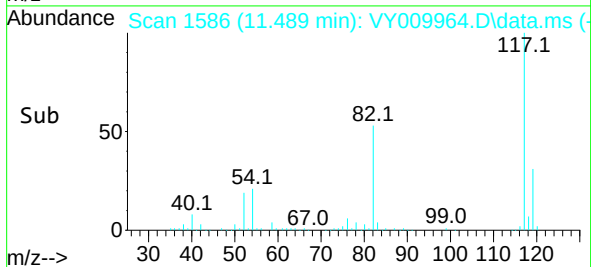
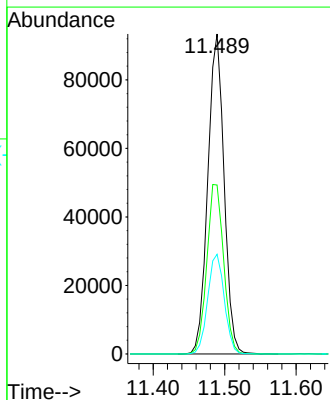
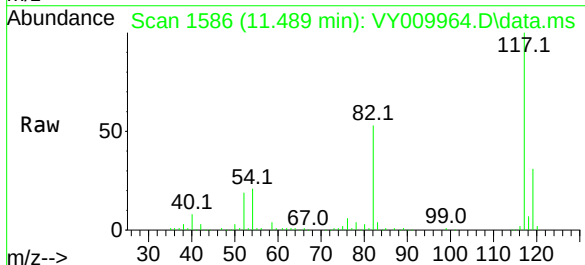
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

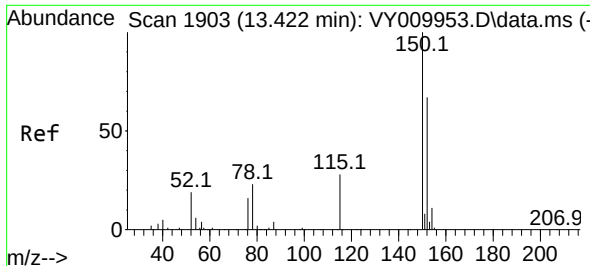
Tgt Ion: 95 Resp: 39347
Ion Ratio Lower Upper
95 100
174 82.7 0.0 173.8
176 79.7 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

Tgt Ion: 117 Resp: 147414
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.6
119 31.2 25.6 38.4

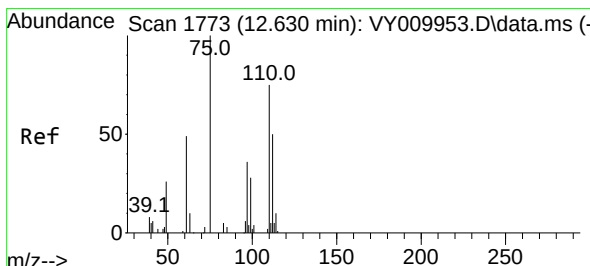
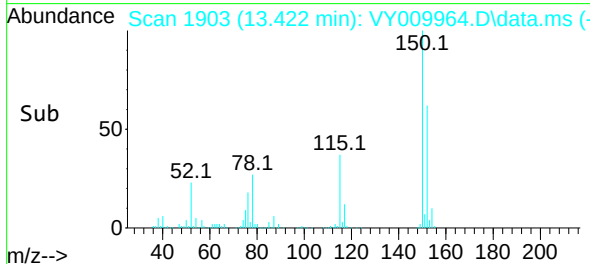
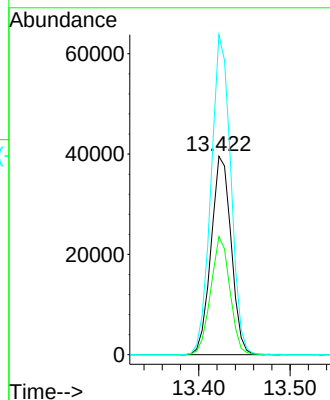
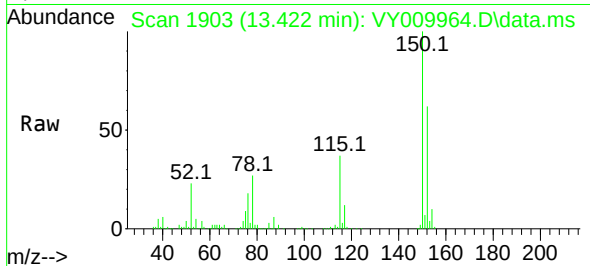




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

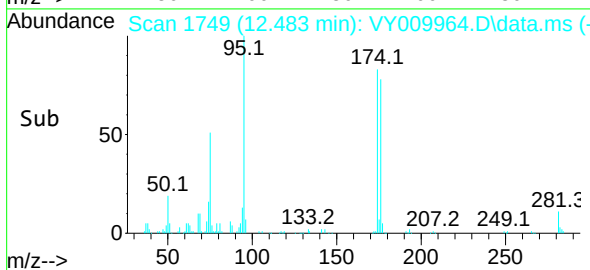
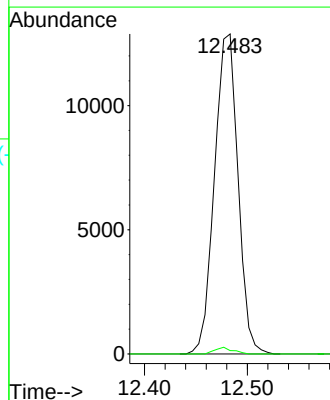
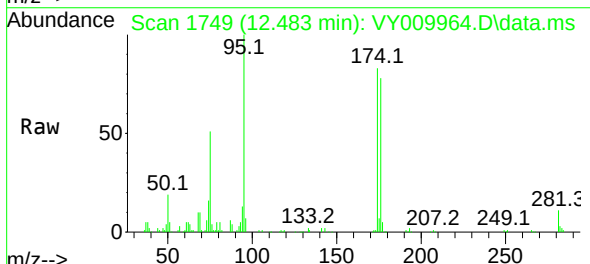
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200051

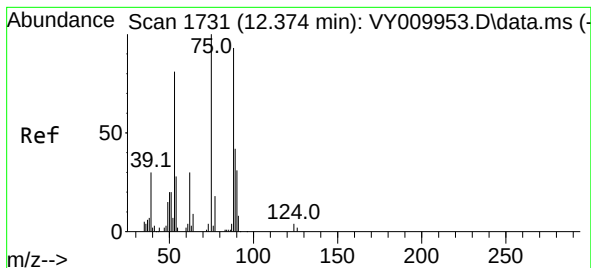
Tgt Ion:152 Resp: 60422
Ion Ratio Lower Upper
152 100
115 56.7 28.6 85.9
150 158.4 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 31.683 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY009964.D
Acq: 11 Aug 2022 15:21

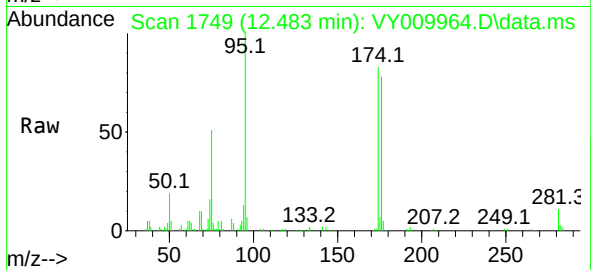
Tgt Ion: 75 Resp: 20437
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.672 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY009964.D
 Acq: 11 Aug 2022 15:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200051



Tgt Ion: 75 Resp: 20437
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 38.1 57.1#

