

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090821\
 Data File : VY005961.D
 Acq On : 08 Sep 2021 13:00
 Operator : SY/MD
 Sample : M3658-05RE
 Misc : 4.99G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-400027RE

Quant Time: Sep 09 04:53:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

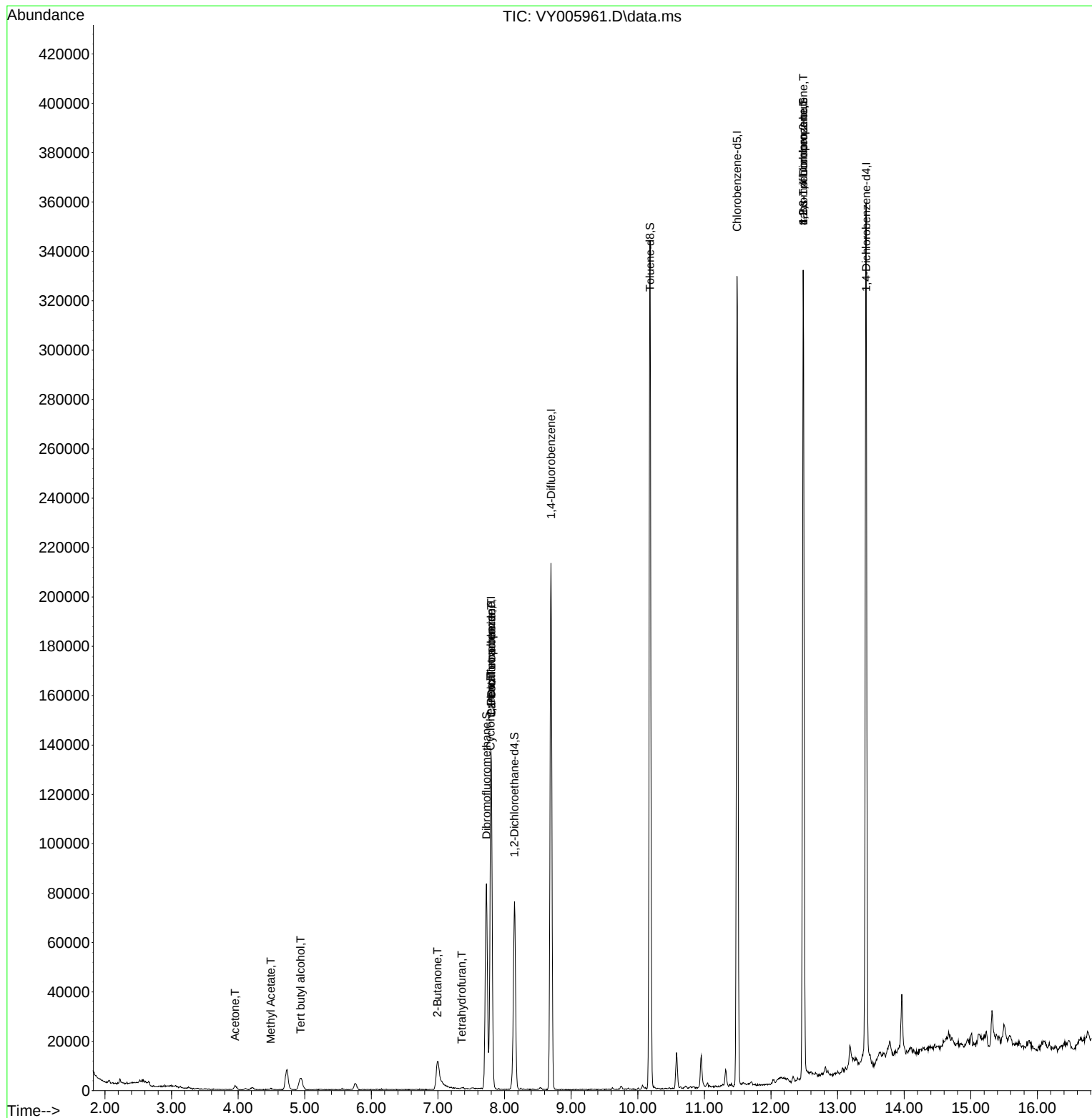
Internal Standards						
1) Pentafluorobenzene	7.795	168	116043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	185700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59794	51.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.260%	
35) Dibromofluoromethane	7.728	113	57059	54.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.420%	
50) Toluene-d8	10.185	98	231799	52.960	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.920%	
62) 4-Bromofluorobenzene	12.483	95	82605	56.207	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	5584	24.283	ug/l #	80
16) Acetone	3.954	43	2658	8.914	ug/l	91
18) Methyl Acetate	4.491	43	928	1.121	ug/l #	69
25) 2-Butanone	6.990	43	453	1.075	ug/l #	47
29) Tetrahydrofuran	7.356	42	376	1.378	ug/l #	42
31) Cyclohexane	7.789	56	1980	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	7259	4.152	ug/l #	49
38) Carbon Tetrachloride	7.801	117	10364	5.469	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	42199	48.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42199	91.556	ug/l #	14

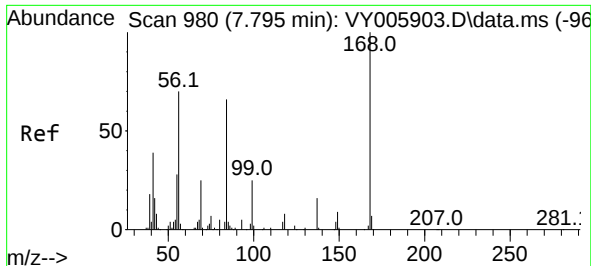
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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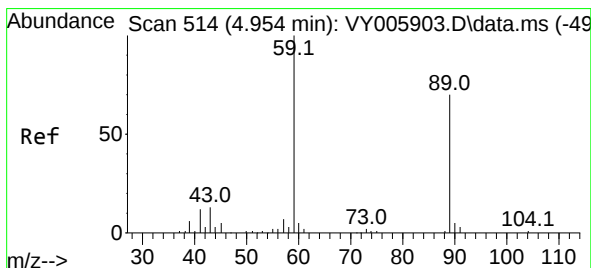
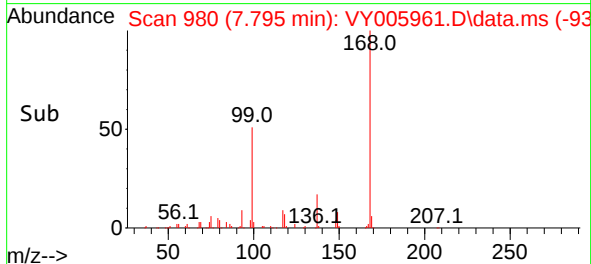
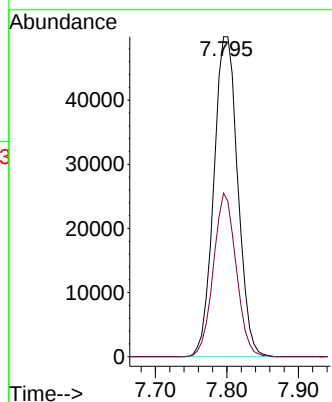
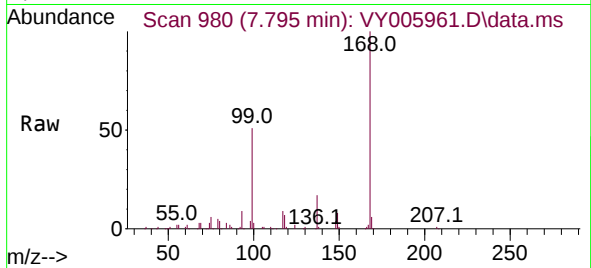




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

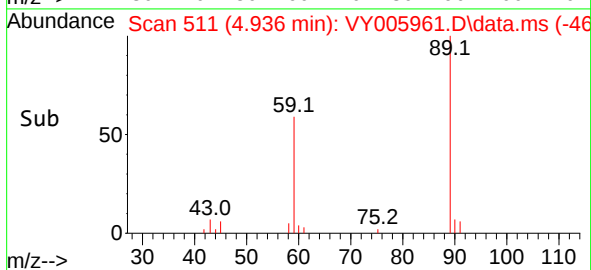
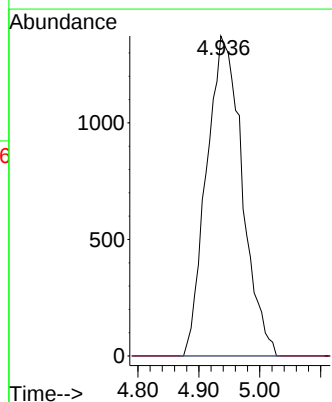
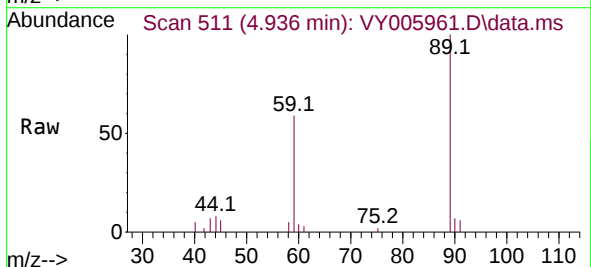
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027RE

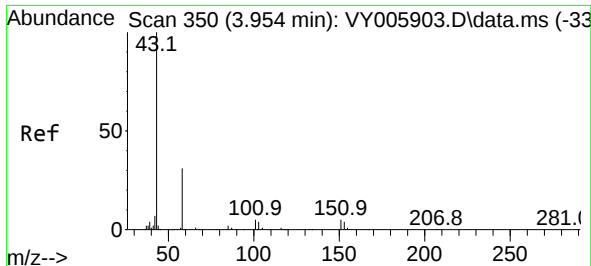
Tgt Ion:168 Resp: 116043
Ion Ratio Lower Upper
168 100
99 51.1 40.6 60.8



#11
Tert butyl alcohol
Concen: 24.283 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 59 Resp: 5584
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

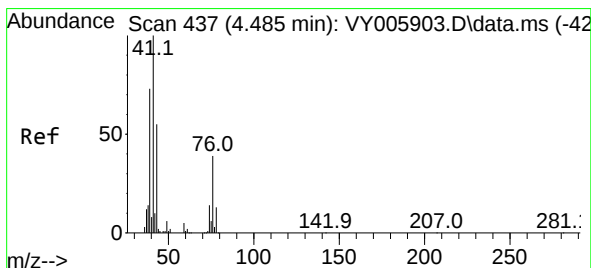
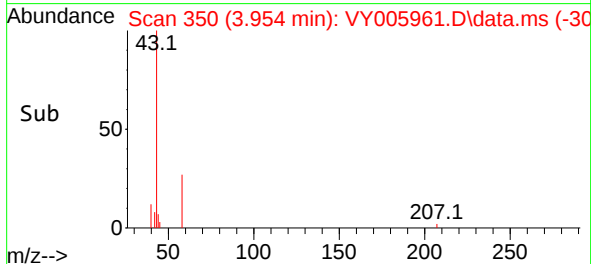
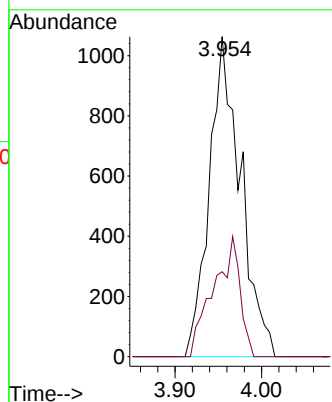
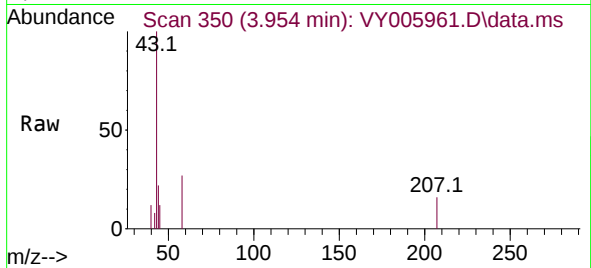




#16
Acetone
Concen: 8.914 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

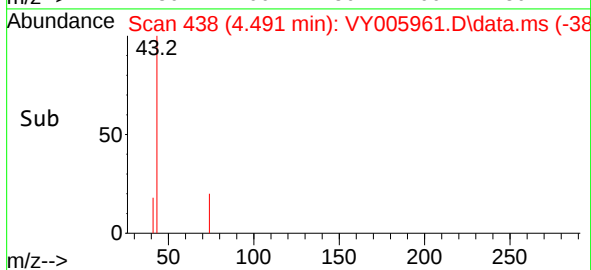
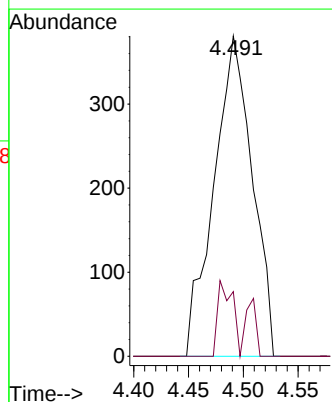
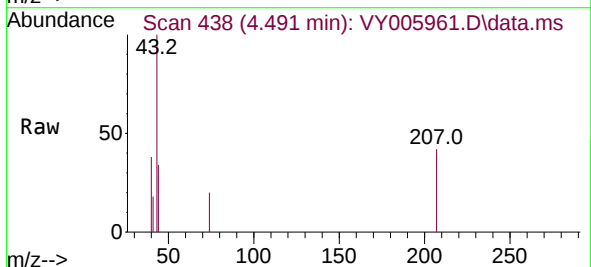
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027RE

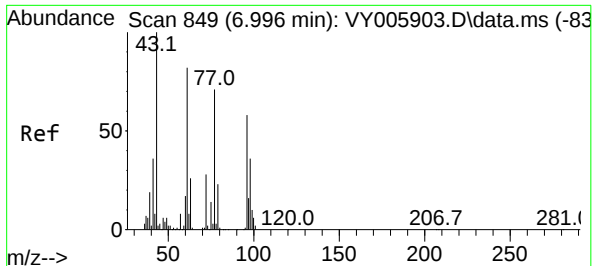
Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 26.5 25.1 37.7



#18
Methyl Acetate
Concen: 1.121 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
74 9.2 19.7 29.5#





#25

2-Butanone

Concen: 1.075 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY005961.D

Acq: 08 Sep 2021 13:00

Instrument :

MSVOA_Y

ClientSampleId :

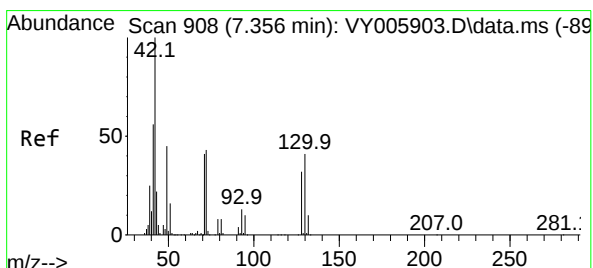
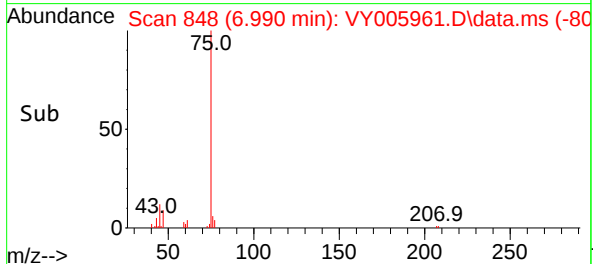
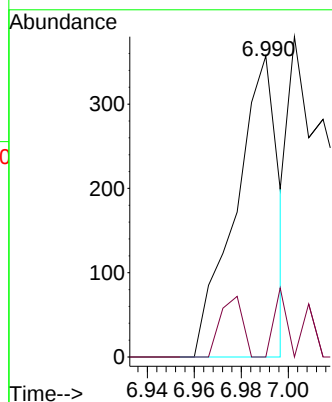
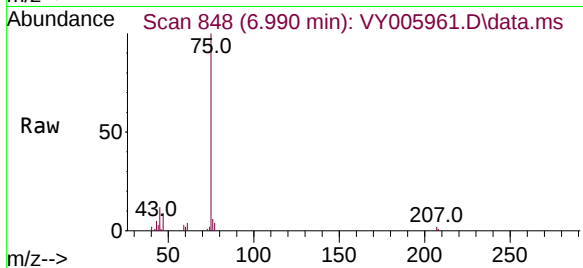
RBR-400027RE

Tgt Ion: 43 Resp: 453

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



#29

Tetrahydrofuran

Concen: 1.378 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY005961.D

Acq: 08 Sep 2021 13:00

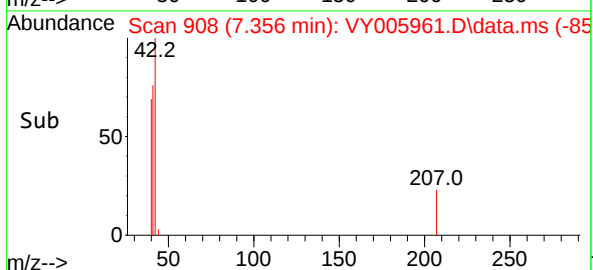
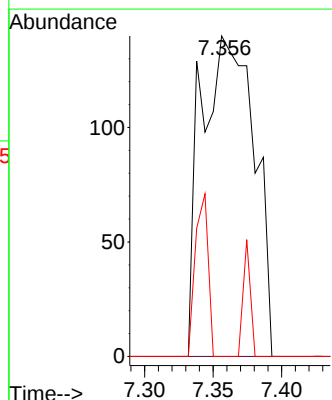
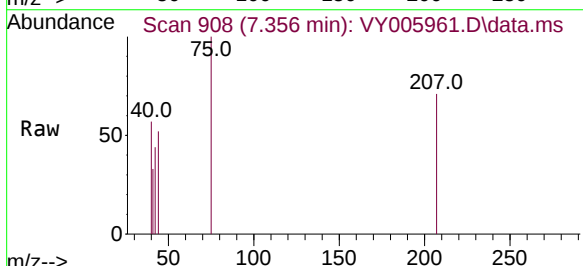
Tgt Ion: 42 Resp: 376

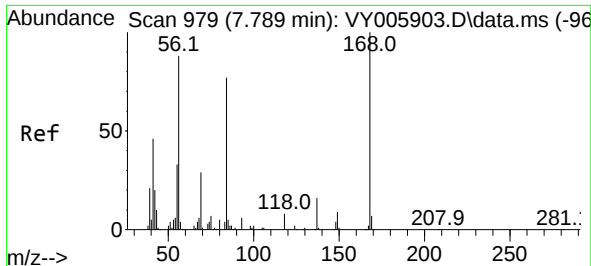
Ion Ratio Lower Upper

42 100

72 0.0 36.1 54.1#

71 12.2 33.8 50.8#

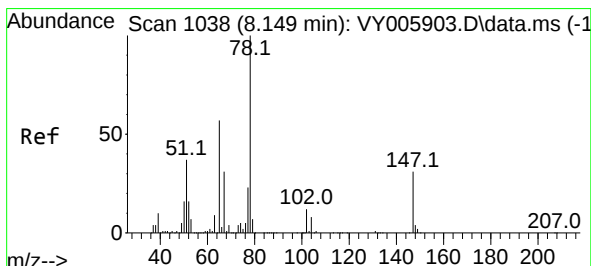
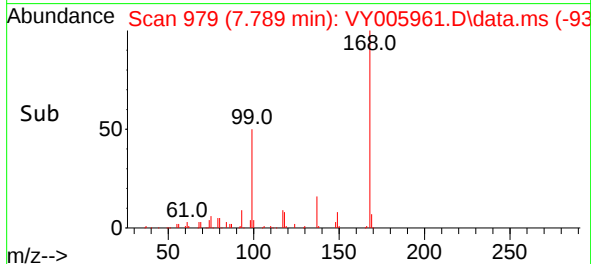
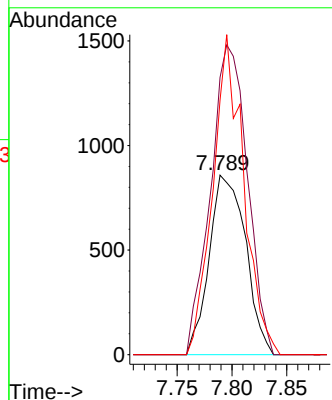
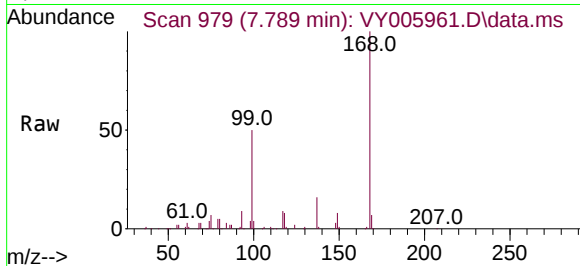




#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

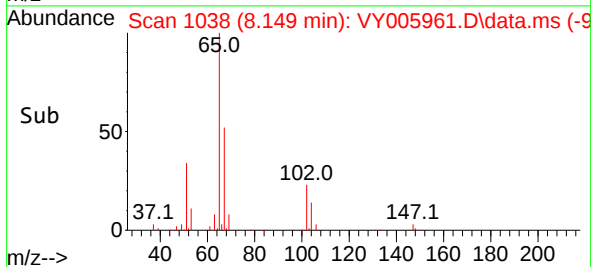
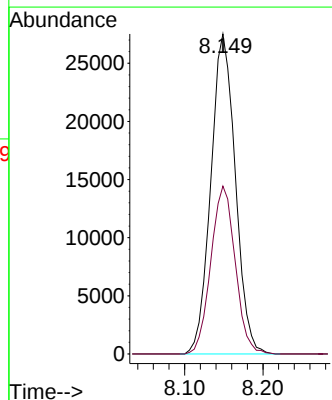
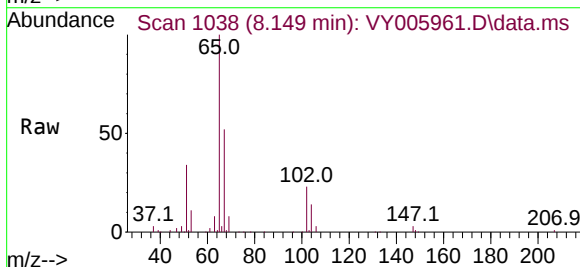
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027RE

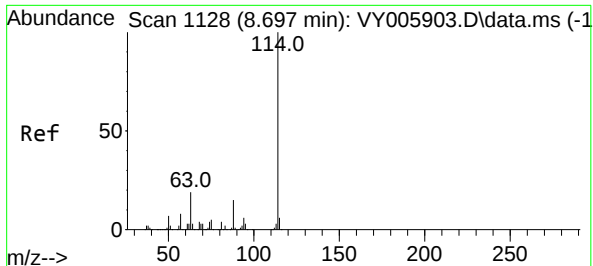
Tgt Ion: 56 Resp: 1980
Ion Ratio Lower Upper
56 100
69 154.5 26.3 39.5#
84 141.8 69.8 104.8#



#33
1,2-Dichloroethane-d4
Concen: 51.132 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 65 Resp: 59794
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY005961.D

Acq: 08 Sep 2021 13:00

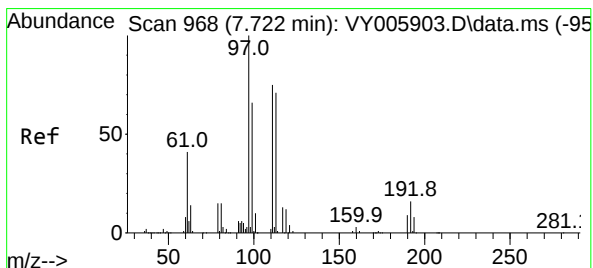
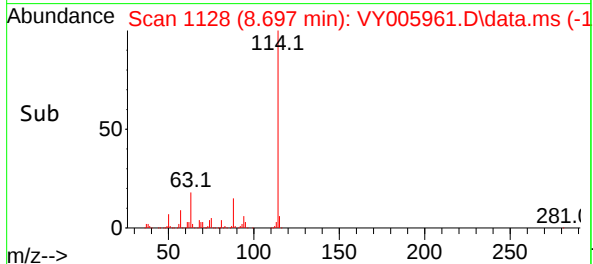
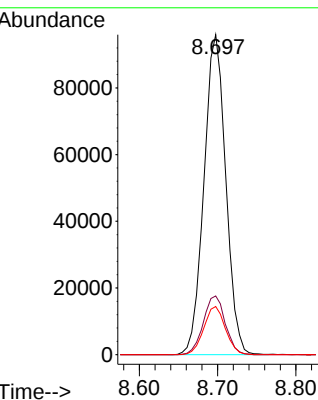
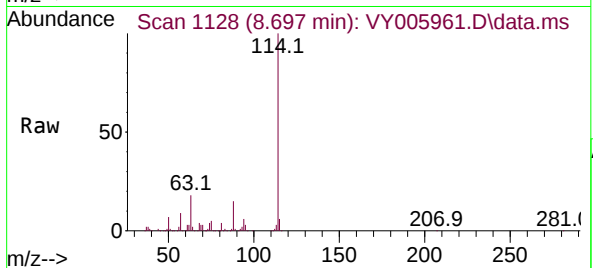
Tgt Ion:114 Resp: 185700

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.713 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY005961.D

Acq: 08 Sep 2021 13:00

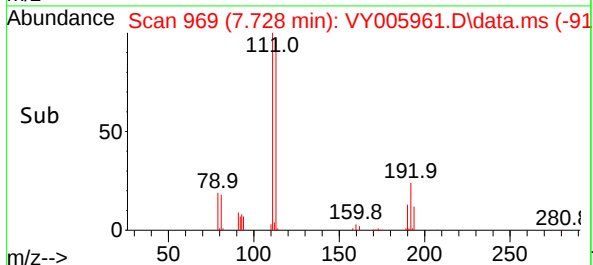
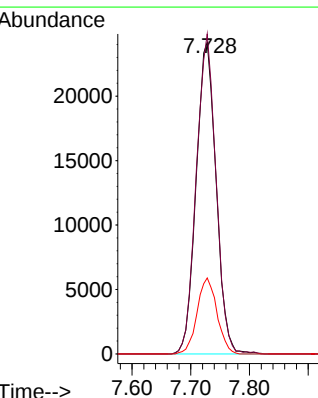
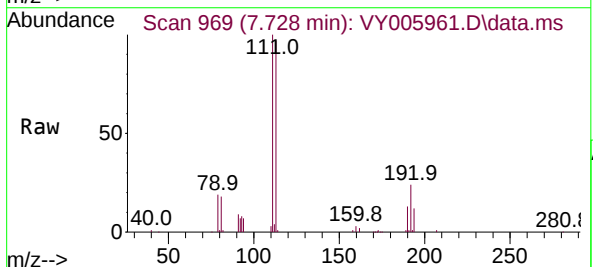
Tgt Ion:113 Resp: 57059

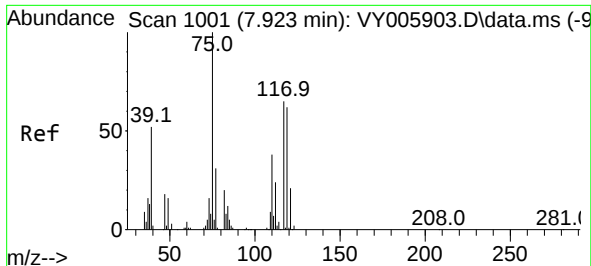
Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

192 24.2 19.4 29.0

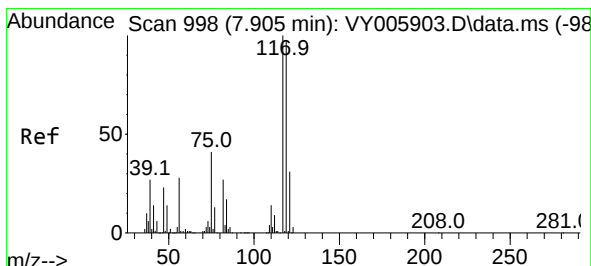
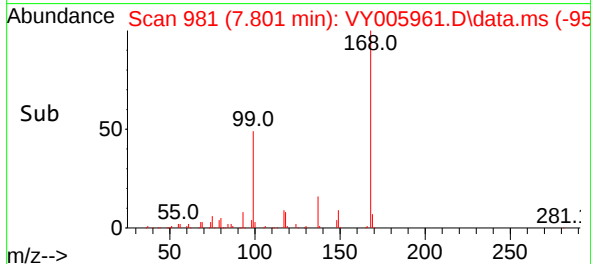
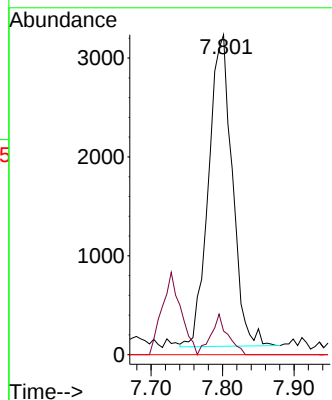
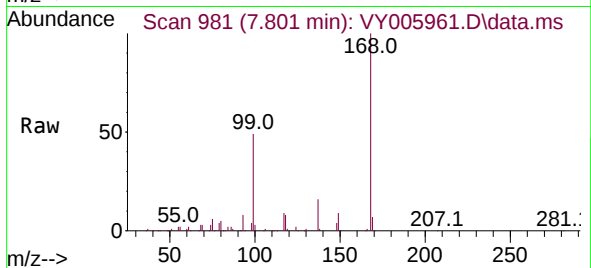




#36
1,1-Dichloropropene
Concen: 4.152 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

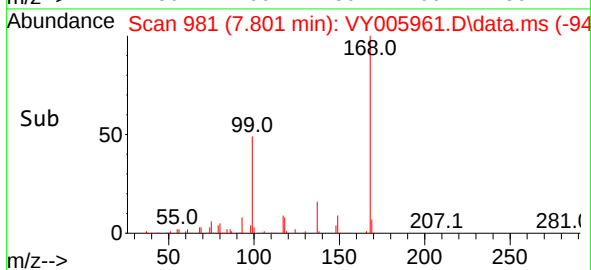
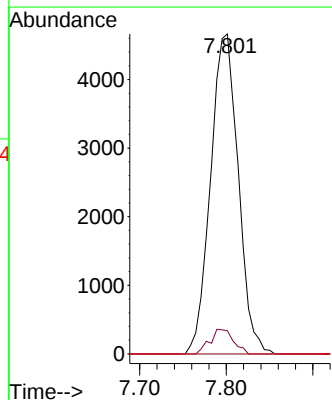
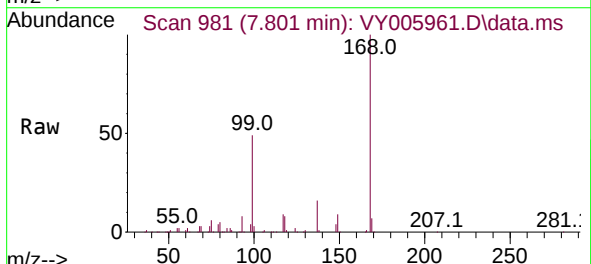
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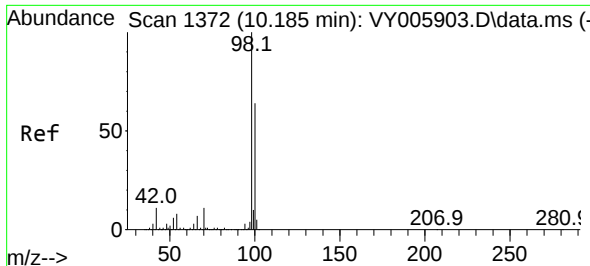
Tgt Ion: 75 Resp: 7259
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.469 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 117 Resp: 10364
Ion Ratio Lower Upper
117 100
119 7.3 77.5 116.3#
121 0.0 25.0 37.6#

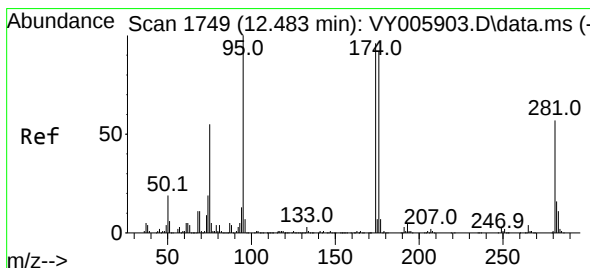
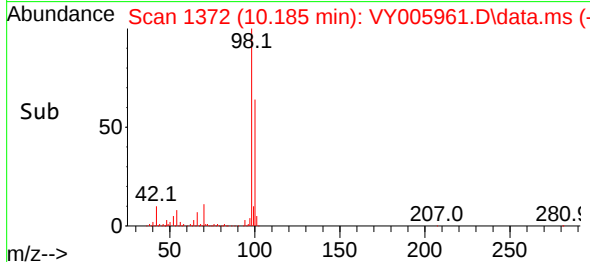
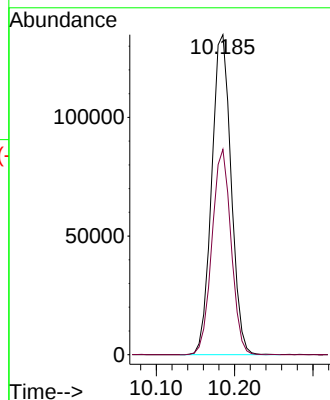
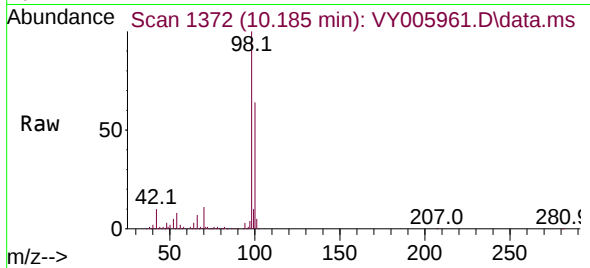




#50
Toluene-d8
Concen: 52.960 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

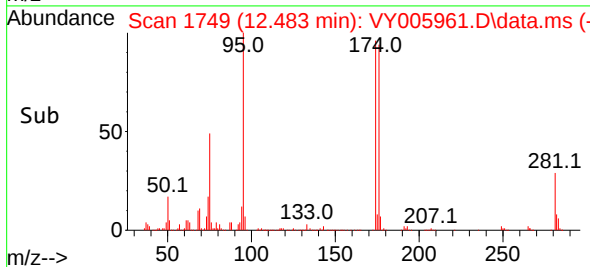
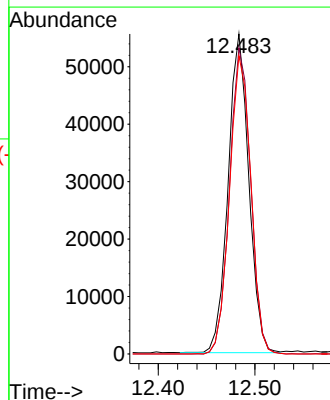
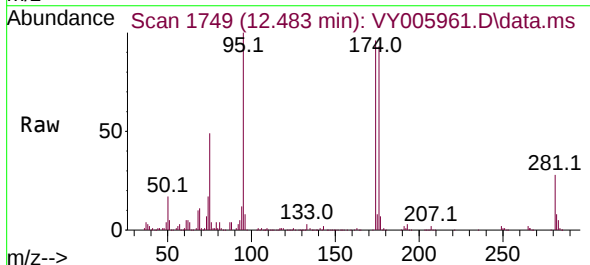
Instrument :
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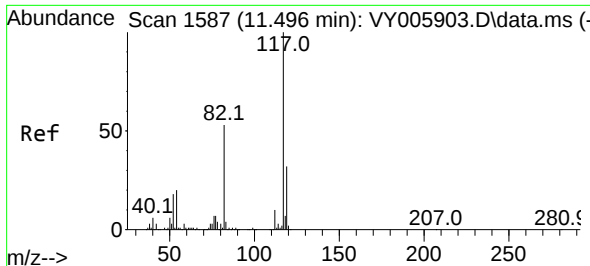
Tgt Ion: 98 Resp: 231799
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 56.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 95 Resp: 82605
Ion Ratio Lower Upper
95 100
174 97.8 0.0 192.4
176 96.0 0.0 186.8

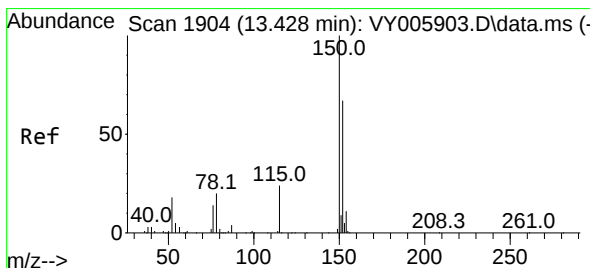
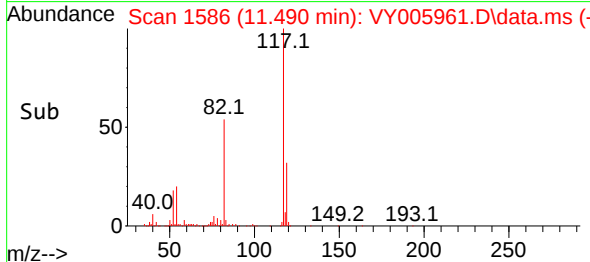
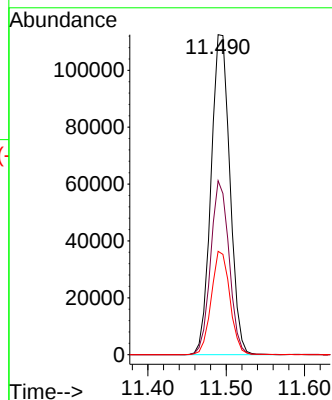
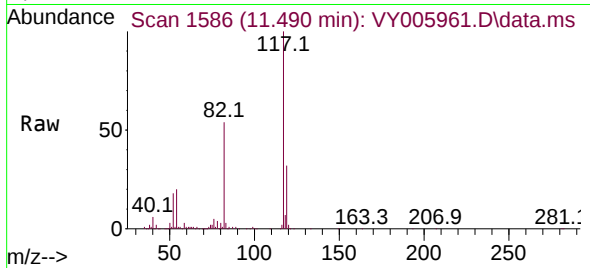




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

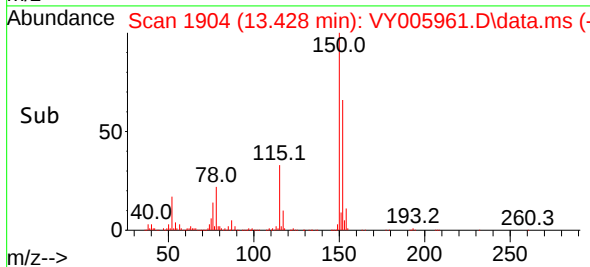
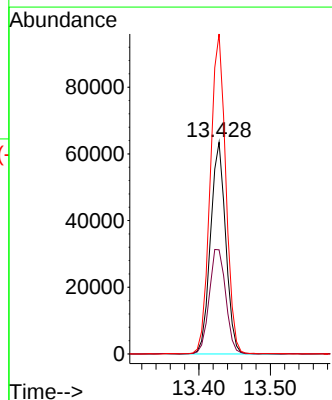
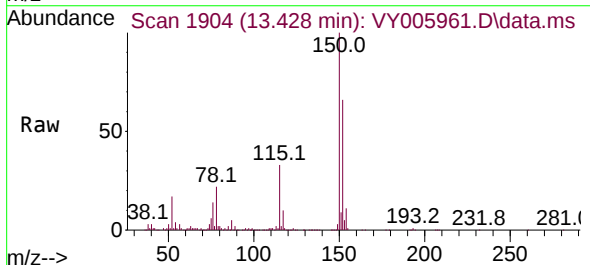
Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027RE

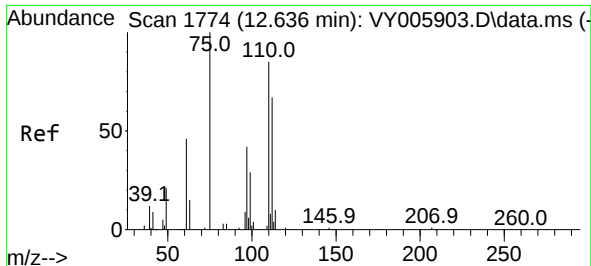
Tgt Ion:117 Resp: 188030
Ion Ratio Lower Upper
117 100
82 54.3 42.4 63.6
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion:152 Resp: 93652
Ion Ratio Lower Upper
152 100
115 53.8 26.8 80.4
150 154.1 0.0 345.6

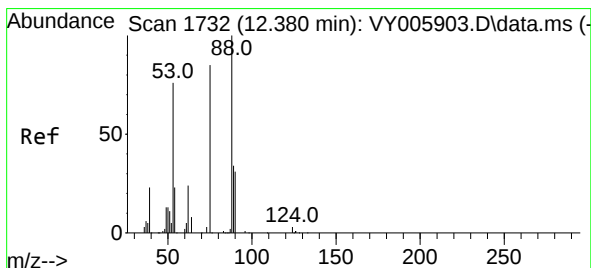
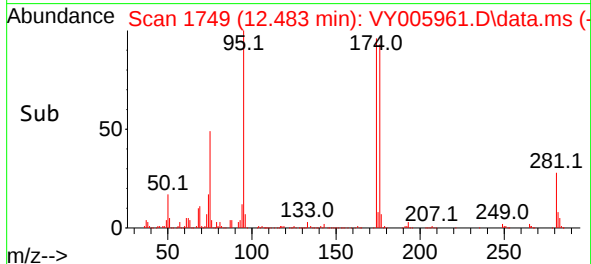
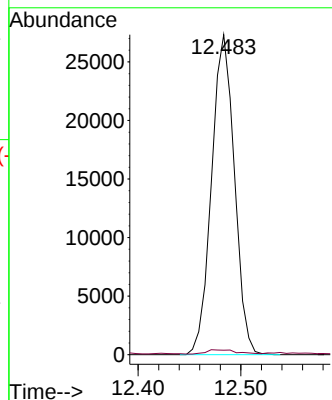
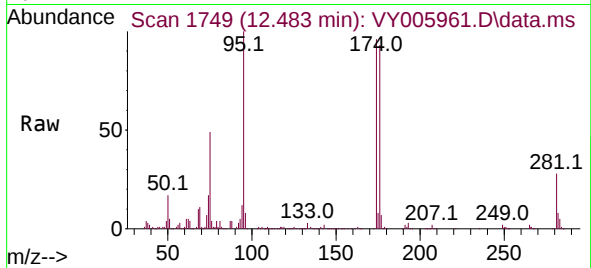




#76
1,2,3-Trichloropropane
Concen: 48.142 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Instrument :
MSVOA_Y
ClientSampleId :
RBR-400027RE

Tgt Ion: 75 Resp: 42199
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.556 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005961.D
Acq: 08 Sep 2021 13:00

Tgt Ion: 75 Resp: 42199
Ion Ratio Lower Upper
75 100
53 0.4 71.8 107.8#
89 0.3 35.8 53.6#

