

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090821\
 Data File : VY005960.D
 Acq On : 08 Sep 2021 12:37
 Operator : SY/MD
 Sample : M3658-03RE
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251607

Quant Time: Sep 09 04:53:02 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)

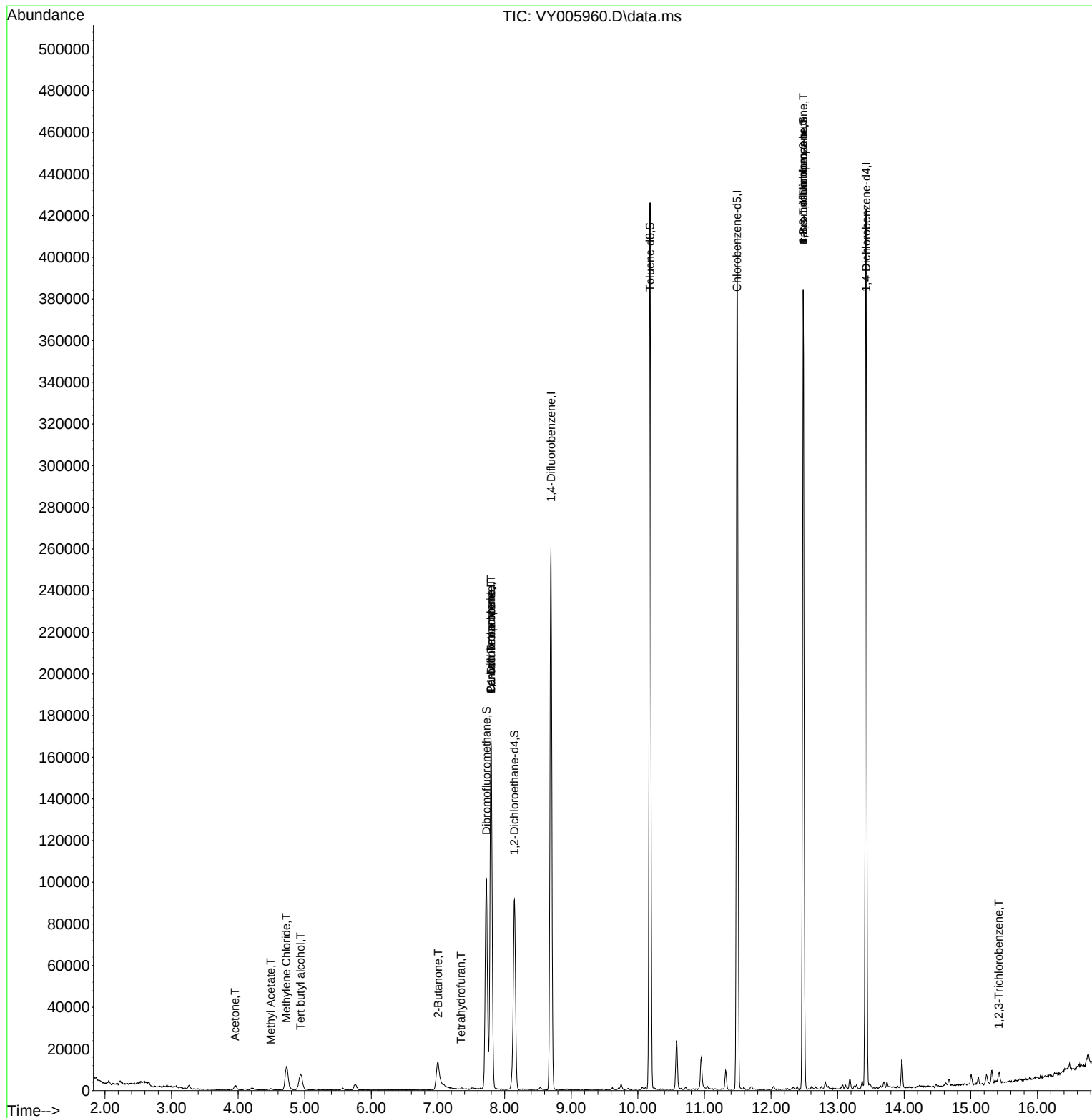
Internal Standards						
1) Pentafluorobenzene	7.795	168	143906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	231489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	232623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	72032	49.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.340%
35) Dibromofluoromethane	7.728	113	69264	53.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.560%
50) Toluene-d8	10.185	98	287400	52.676	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.360%
62) 4-Bromofluorobenzene	12.483	95	100793	55.017	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	7837	27.482	ug/l #	80
16) Acetone	3.954	43	3519	9.517	ug/l	92
18) Methyl Acetate	4.491	43	1113	1.084	ug/l #	62
20) Methylene Chloride	4.722	84	9075	1.494	ug/l #	85
25) 2-Butanone	7.003	43	1299	2.487	ug/l	100
29) Tetrahydrofuran	7.344	42	501	1.480	ug/l #	65
36) 1,1-Dichloropropene	7.795	75	9465	4.343	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12692	5.372	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	51749	47.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51749	90.568	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.422	180	2055	1.037	ug/l	91

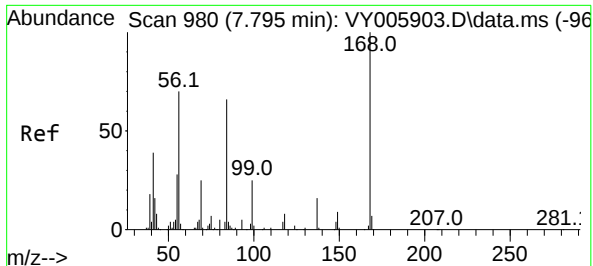
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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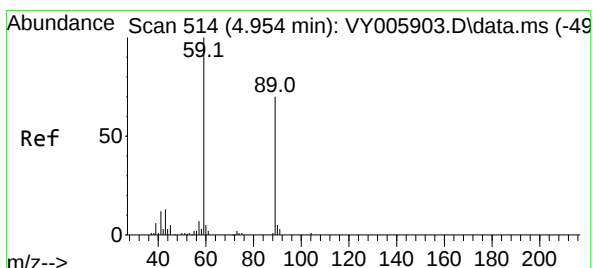
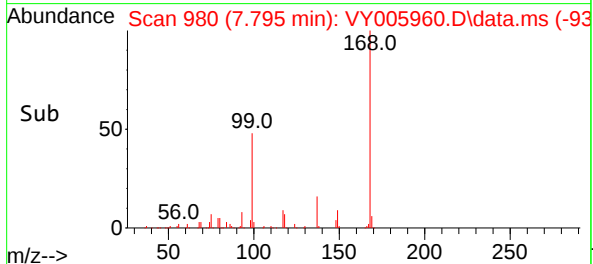
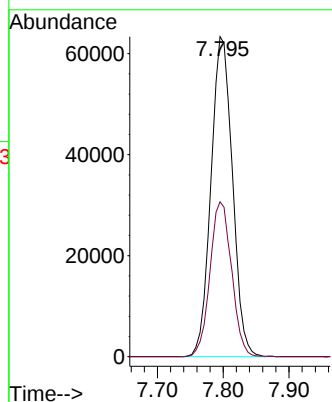
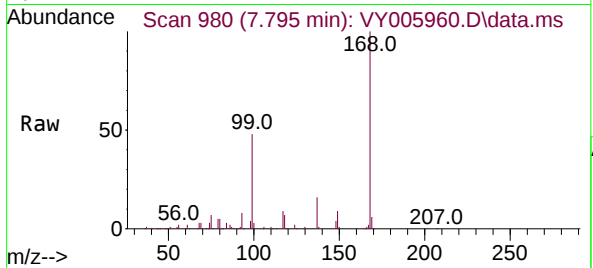




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

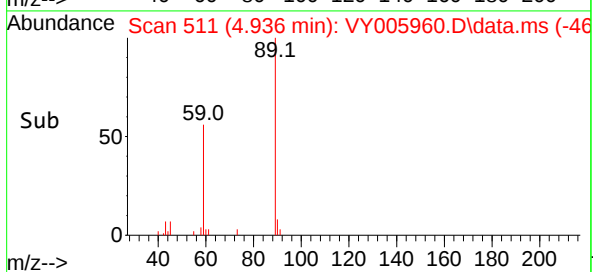
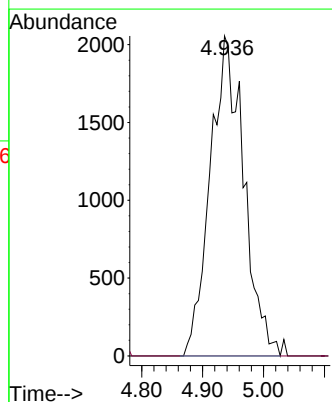
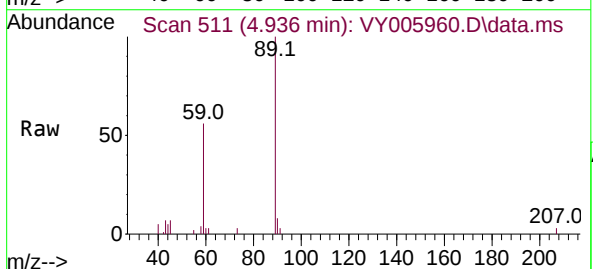
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

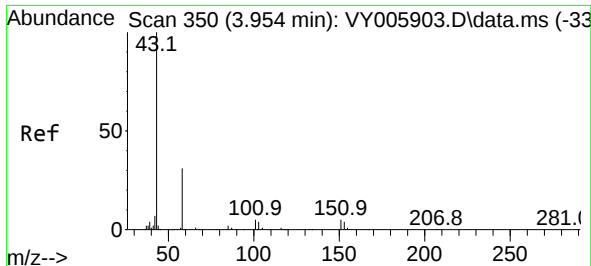
Tgt Ion:168 Resp: 143906
Ion Ratio Lower Upper
168 100
99 48.4 40.6 60.8



#11
Tert butyl alcohol
Concen: 27.482 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Tgt Ion: 59 Resp: 7837
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

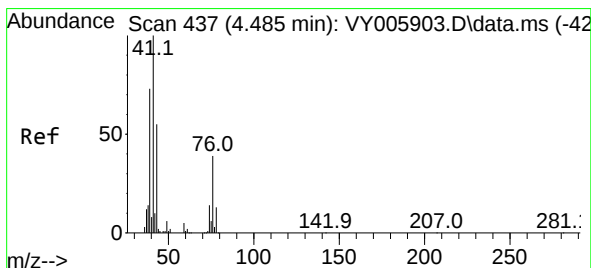
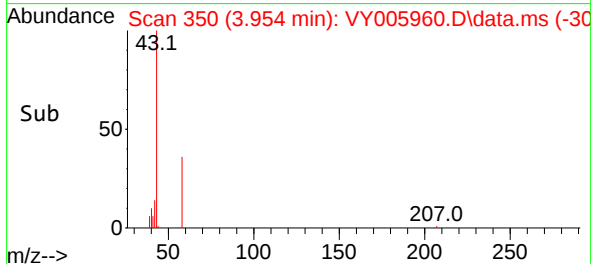
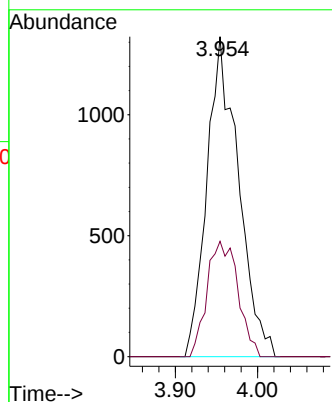
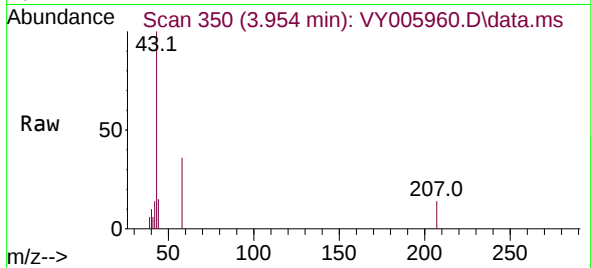




#16
Acetone
Concen: 9.517 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

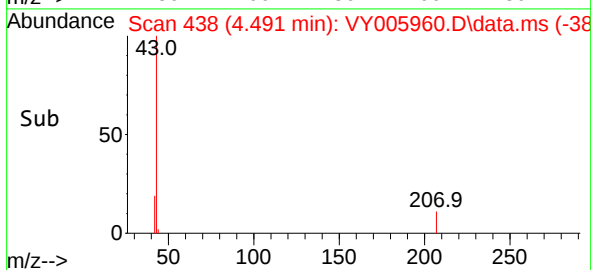
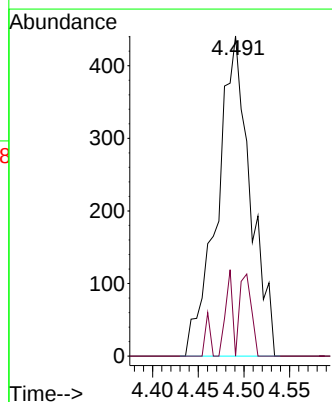
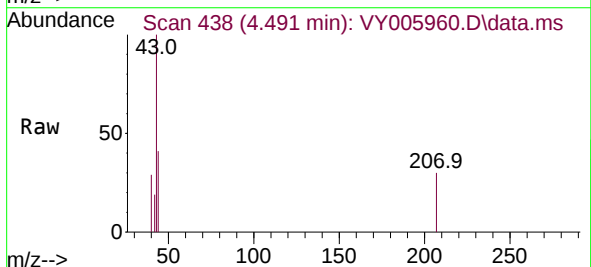
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

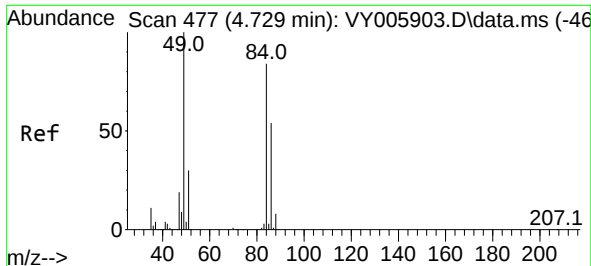
Tgt Ion: 43 Resp: 3519
Ion Ratio Lower Upper
43 100
58 36.1 25.1 37.7



#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

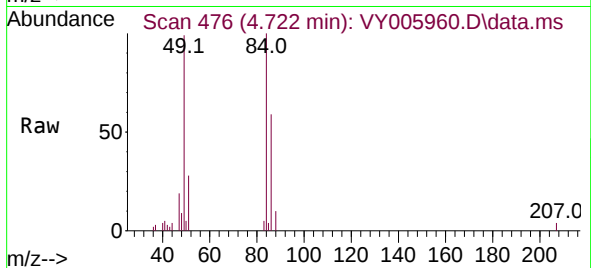
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
74 5.7 19.7 29.5#



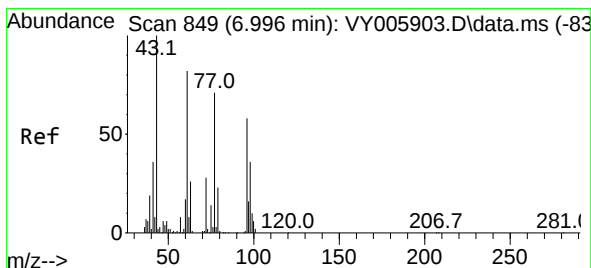
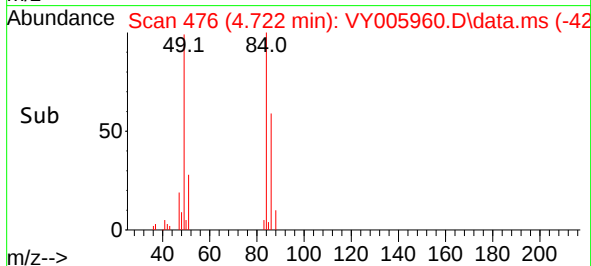
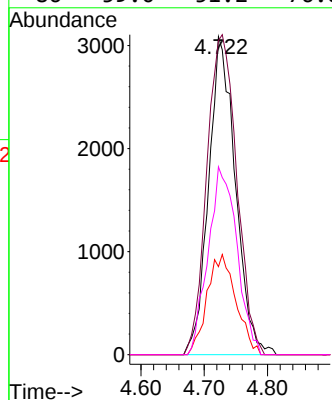


#20
Methylene Chloride
Concen: 1.494 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

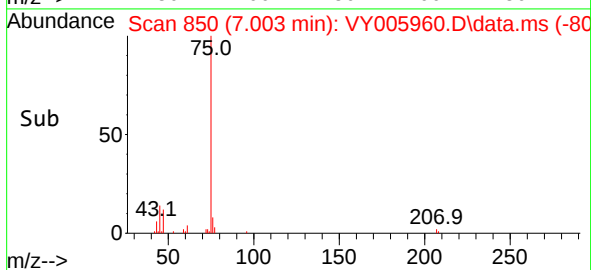
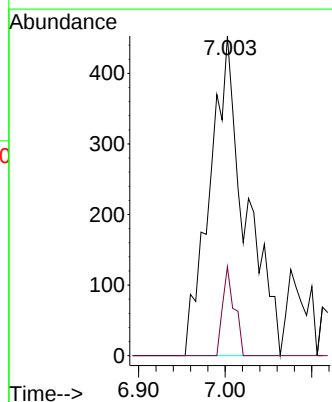
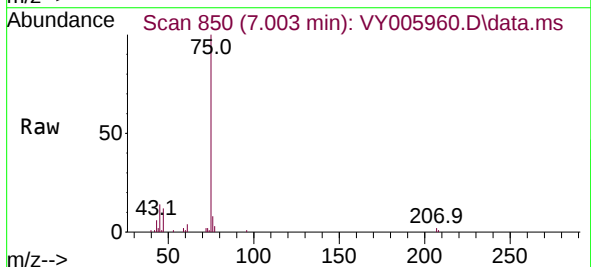


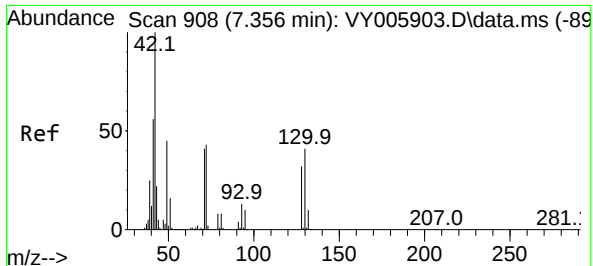
Tgt Ion:	84	Resp:	9075
Ion	Ratio	Lower	Upper
84	100		
49	98.7	95.7	143.5
51	27.7	29.0	43.6#
86	59.0	51.2	76.8



#25
2-Butanone
Concen: 2.487 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Tgt Ion:	43	Resp:	1299
Ion	Ratio	Lower	Upper
43	100		
72	27.8	22.3	33.5





#29

Tetrahydrofuran

Concen: 1.480 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.012 min

Lab File: VY005960.D

Acq: 08 Sep 2021 12:37

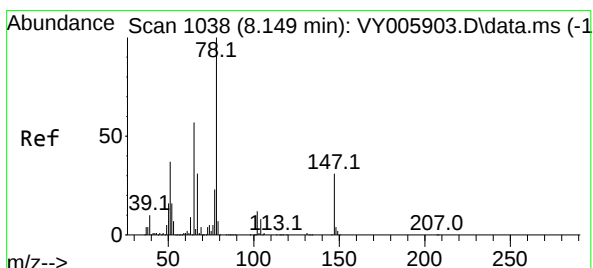
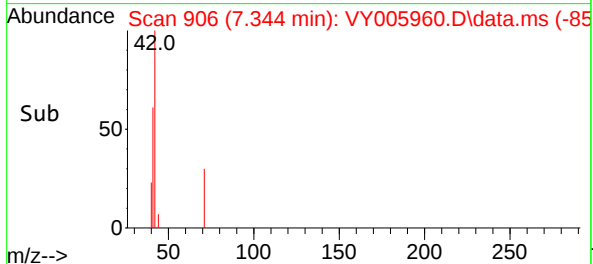
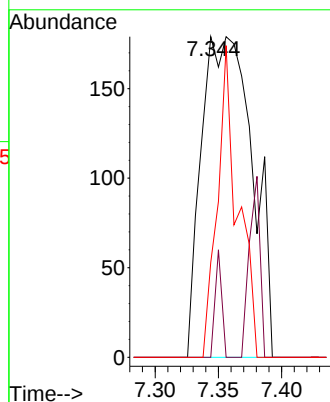
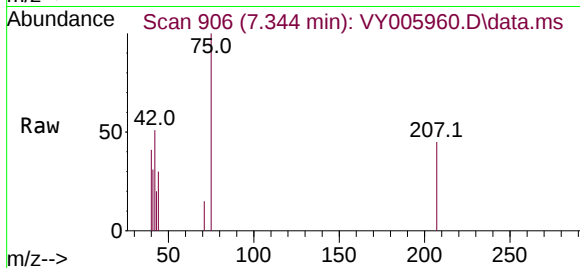
Instrument :

MSVOA_Y

ClientSampleId :

RBR-251607

Tgt Ion:	42	Resp:	501
Ion	Ratio	Lower	Upper
42	100		
72	4.4	36.1	54.1#
71	39.1	33.8	50.8



#33

1,2-Dichloroethane-d4

Concen: 49.671 ug/l

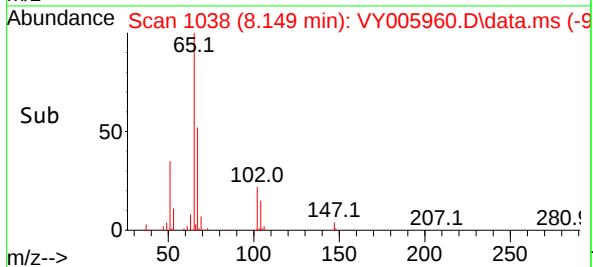
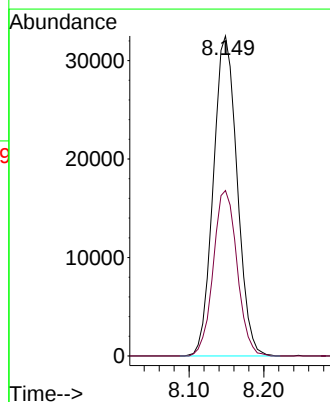
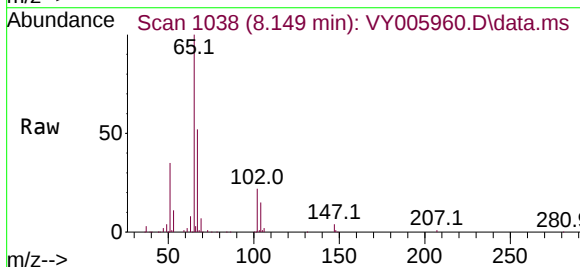
RT: 8.149 min Scan# 1038

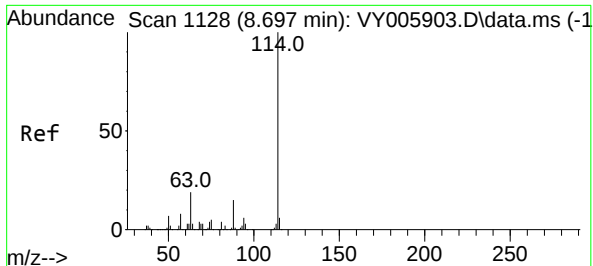
Delta R.T. 0.000 min

Lab File: VY005960.D

Acq: 08 Sep 2021 12:37

Tgt Ion:	65	Resp:	72032
Ion	Ratio	Lower	Upper
65	100		
67	51.6	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: VY005960.D

Acq: 08 Sep 2021 12:37

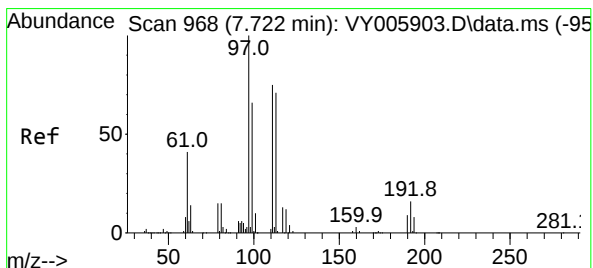
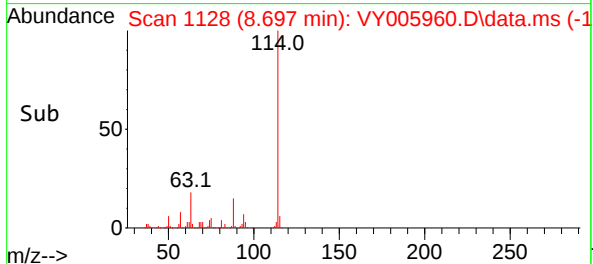
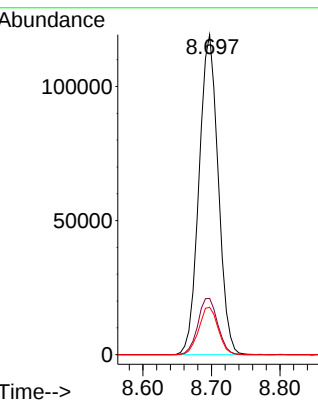
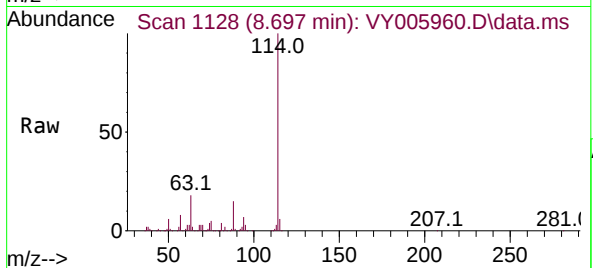
Tgt Ion:114 Resp: 231489

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.279 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY005960.D

Acq: 08 Sep 2021 12:37

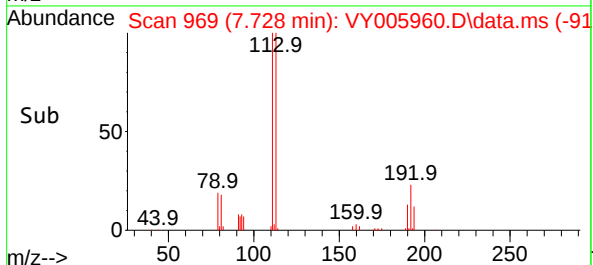
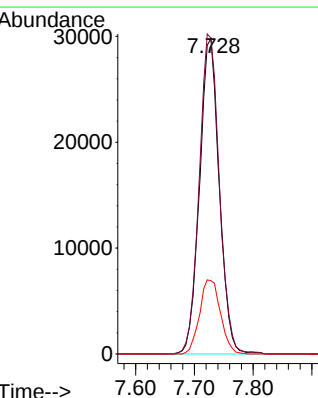
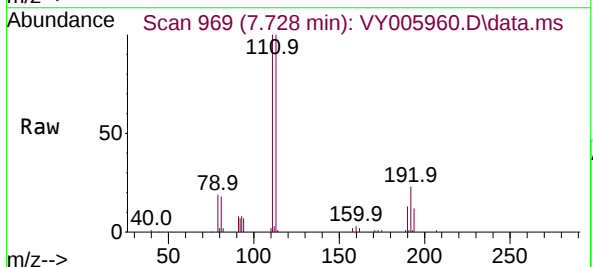
Tgt Ion:113 Resp: 69264

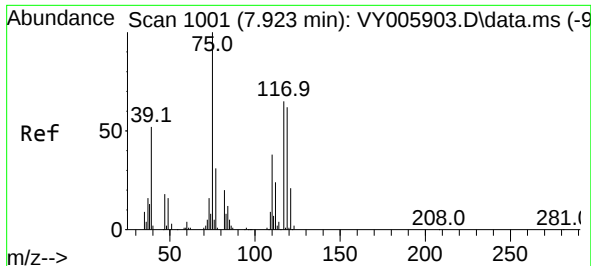
Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

192 24.9 19.4 29.0





#36

1,1-Dichloropropene

Concen: 4.343 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY005960.D

Acq: 08 Sep 2021 12:37

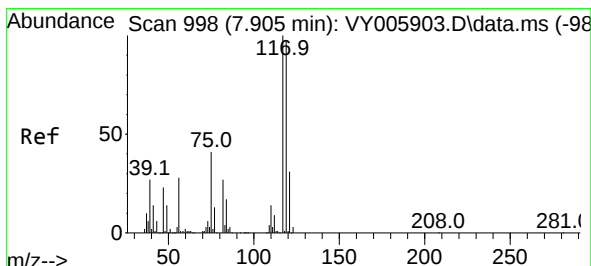
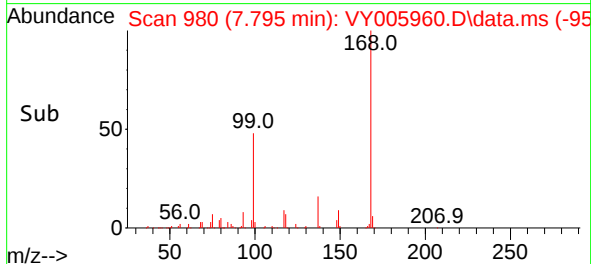
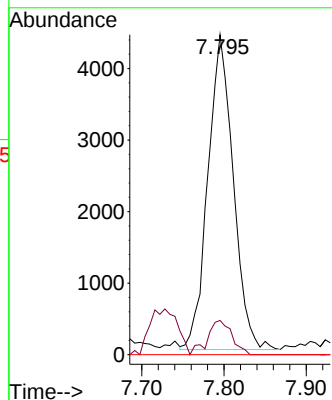
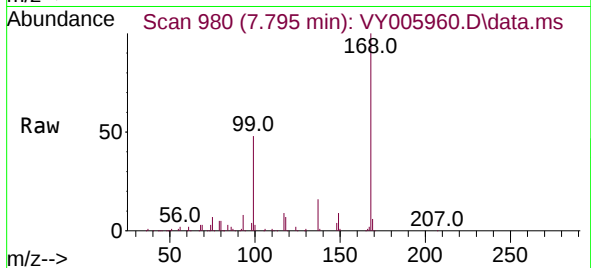
Instrument :

MSVOA_Y

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Tgt Ion:	75	Resp:	9465
Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.372 ug/l

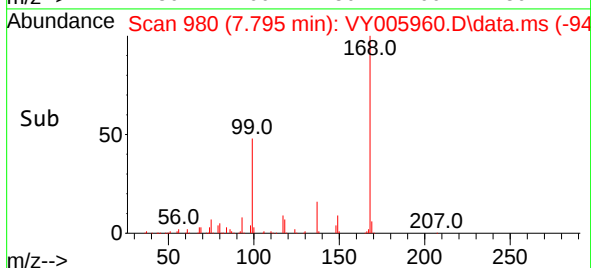
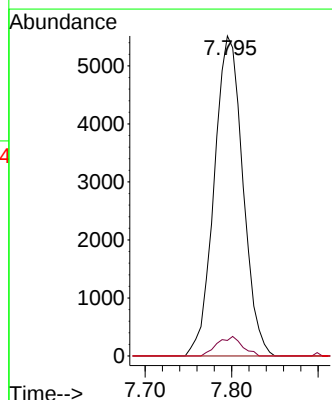
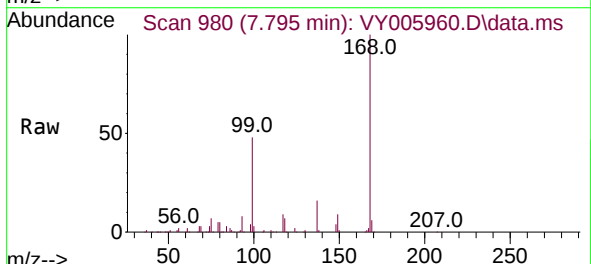
RT: 7.795 min Scan# 980

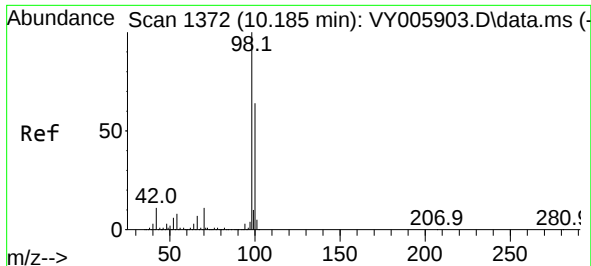
Delta R.T. -0.110 min

Lab File: VY005960.D

Acq: 08 Sep 2021 12:37

Tgt Ion:	117	Resp:	12692
Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.5	116.3#
121	0.0	25.0	37.6#

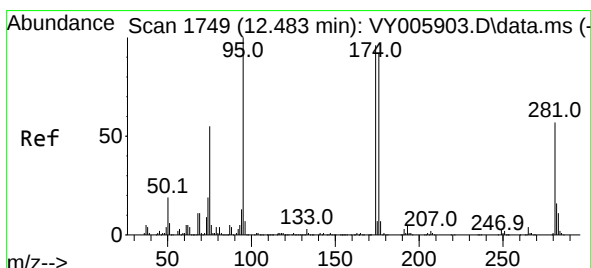
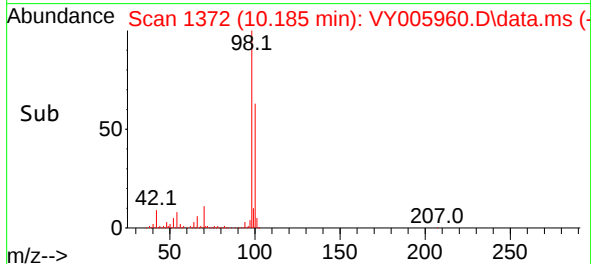
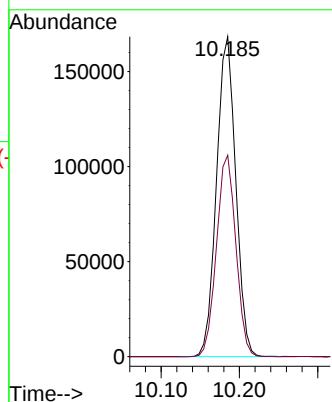
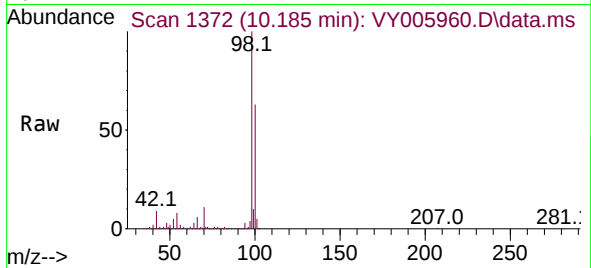




#50
Toluene-d8
Concen: 52.676 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

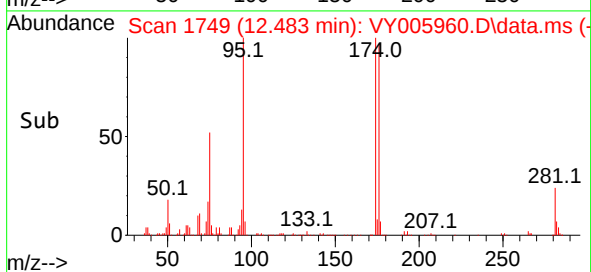
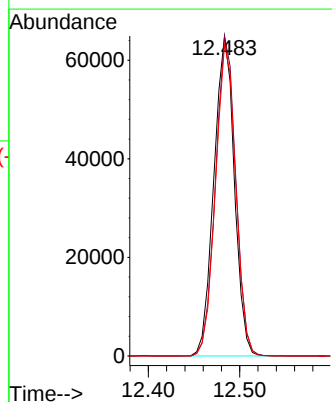
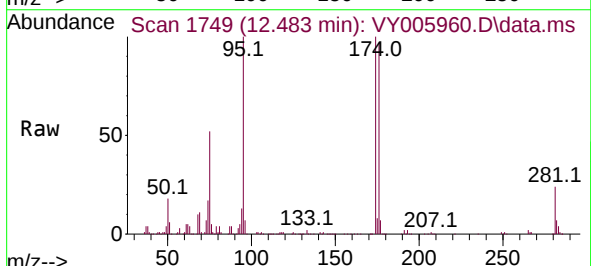
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

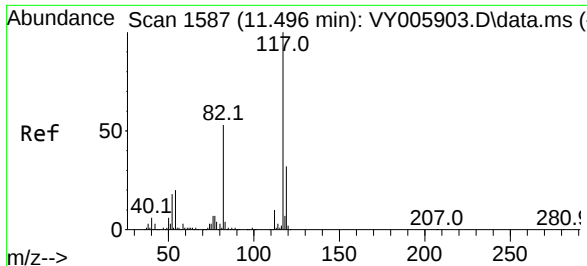
Tgt Ion: 98 Resp: 287400
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 55.017 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Tgt Ion: 95 Resp: 100793
Ion Ratio Lower Upper
95 100
174 99.1 0.0 192.4
176 96.2 0.0 186.8

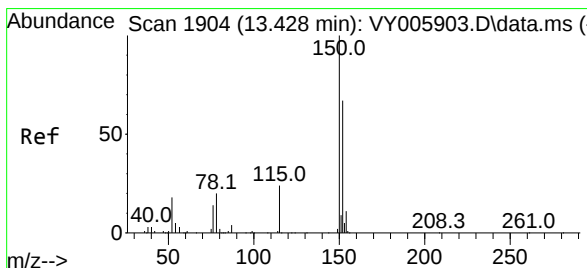
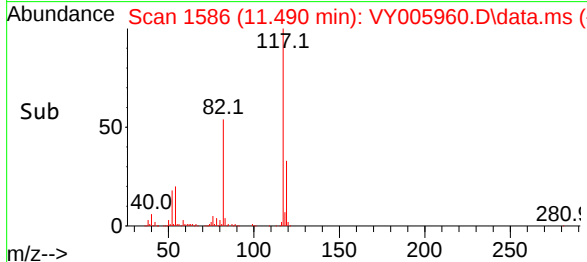
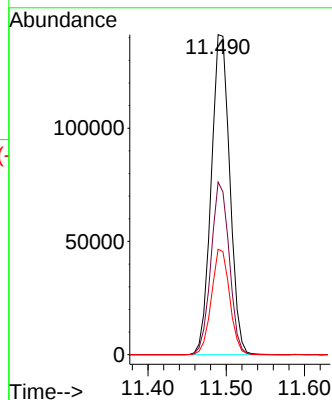
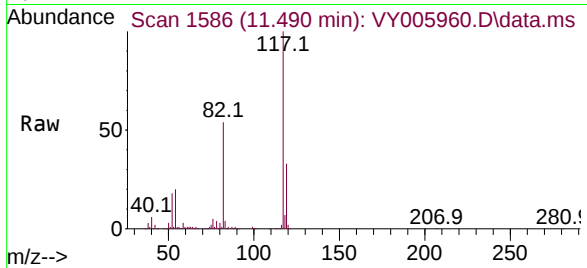




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

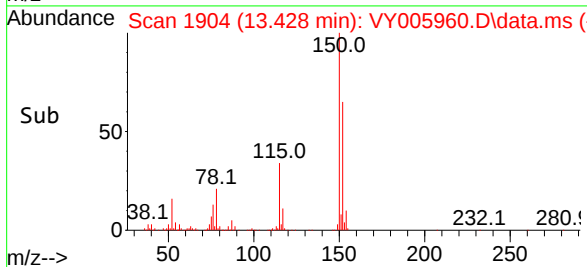
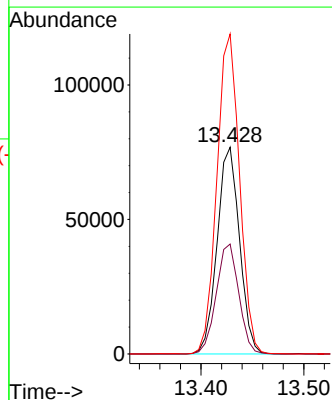
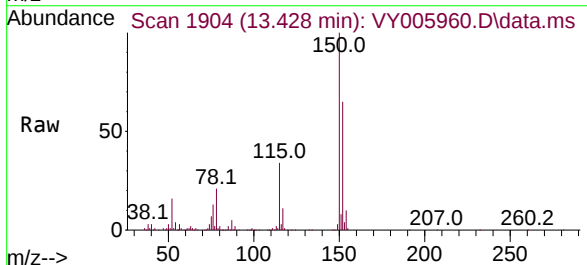
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

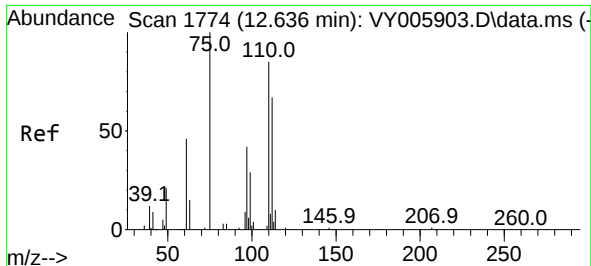
Tgt Ion:117 Resp: 232623
Ion Ratio Lower Upper
117 100
82 53.9 42.4 63.6
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Tgt Ion:152 Resp: 116099
Ion Ratio Lower Upper
152 100
115 53.5 26.8 80.4
150 156.5 0.0 345.6

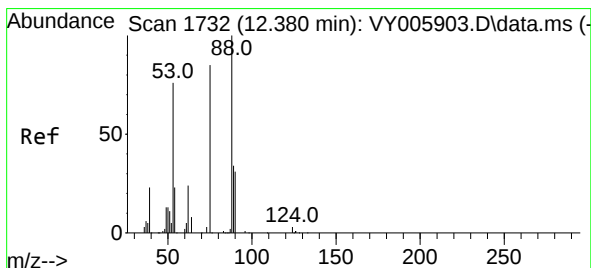
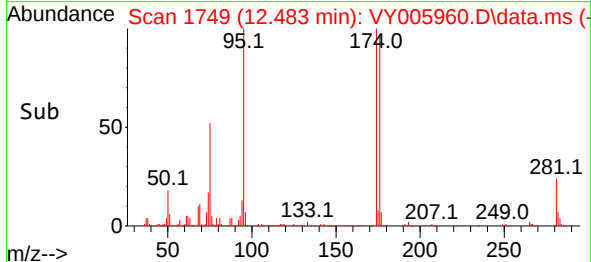
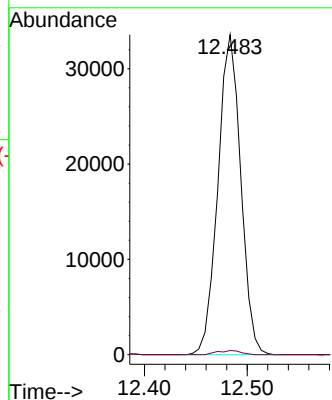
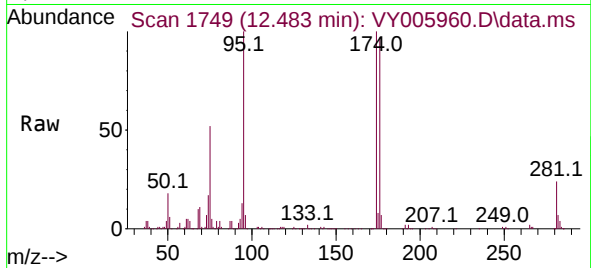




#76
1,2,3-Trichloropropane
Concen: 47.623 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

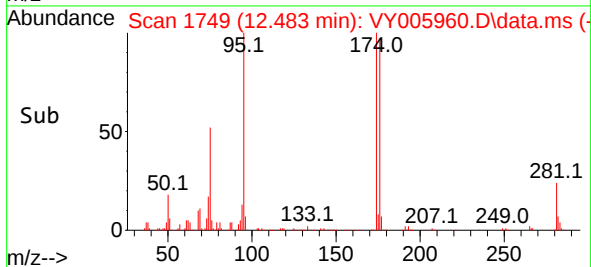
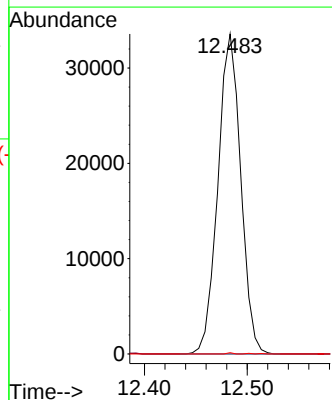
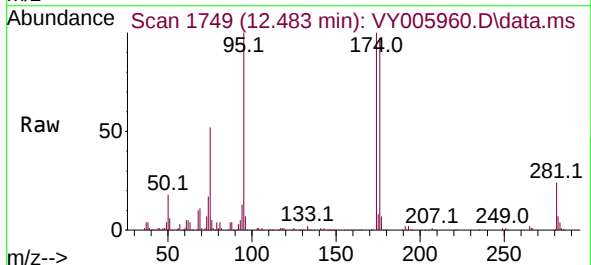
Instrument :
MSVOA_Y
ClientSampleId :
RBR-251607

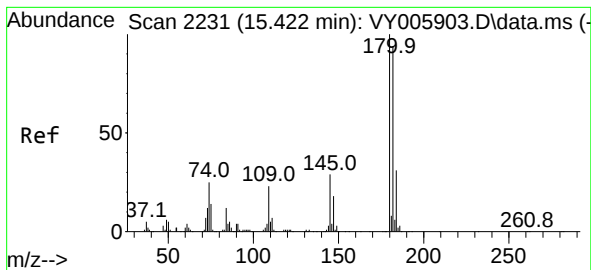
Tgt Ion: 75 Resp: 51749
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.568 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005960.D
Acq: 08 Sep 2021 12:37

Tgt Ion: 75 Resp: 51749
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.1 35.8 53.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.037 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. 0.000 min
 Lab File: VY005960.D
 Acq: 08 Sep 2021 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-251607

Tgt Ion:	180	Resp:	2055
Ion	Ratio	Lower	Upper
180	100		
182	86.1	47.8	143.3
145	31.4	14.2	42.8

