

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009796.D
 Acq On : 01 Aug 2022 15:05
 Operator : KP/MD
 Sample : N3935-10
 Misc : 3.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-140

Quant Time: Aug 02 01:39:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

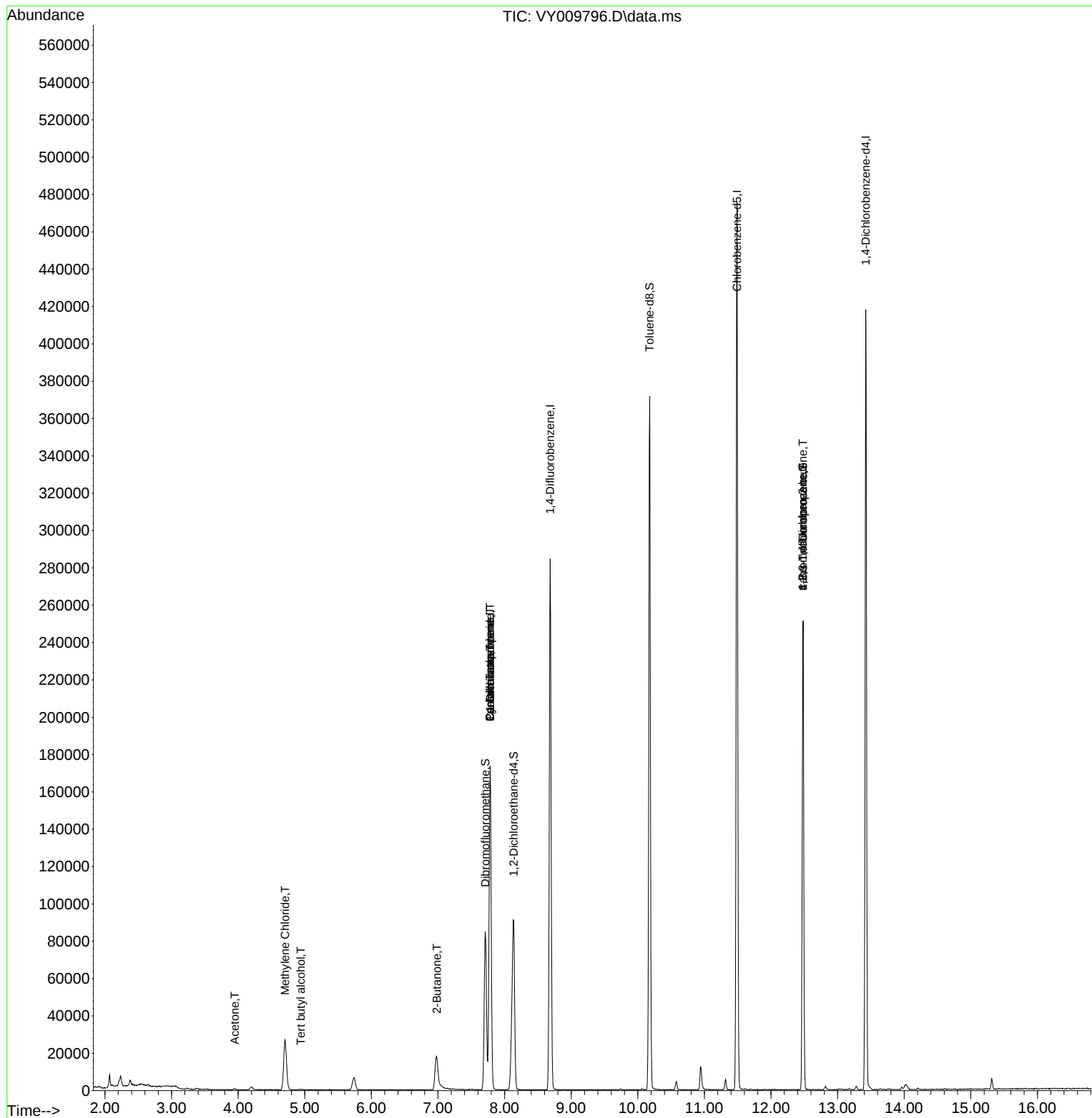
Internal Standards						
1) Pentafluorobenzene	7.783	168	143042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	246835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	263753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60015	64.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.080%
35) Dibromofluoromethane	7.710	113	59856	44.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.179	98	245523	63.984	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	127.960%#
62) 4-Bromofluorobenzene	12.477	95	70196	39.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	78.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	547	3.082	ug/l #	77
16) Acetone	3.948	43	872	2.550	ug/l	96
18) Methyl Acetate	4.479	43	218	Below Cal	#	56
20) Methylene Chloride	4.704	84	20574	3.532	ug/l	88
25) 2-Butanone	6.984	43	1159	2.297	ug/l #	54
31) Cyclohexane	7.783	56	2588	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9808	4.490	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12260	5.238	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	35458	34.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	35458	68.651	ug/l #	7

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

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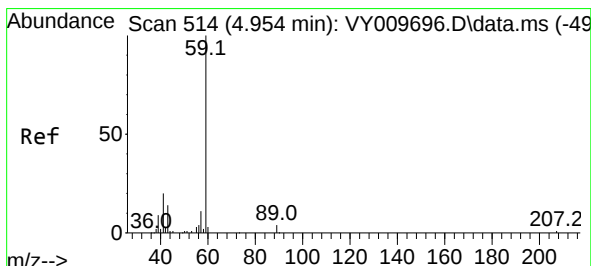
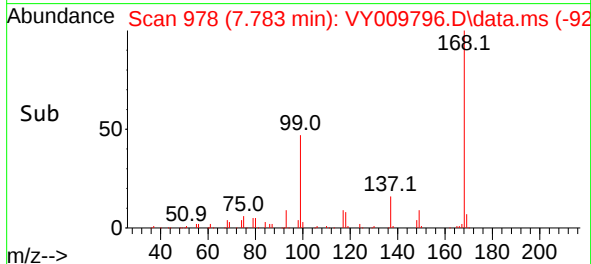
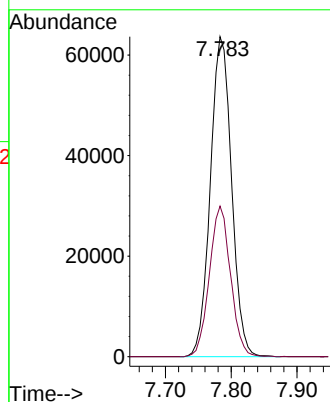
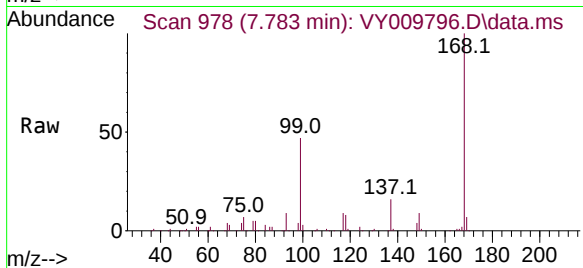




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

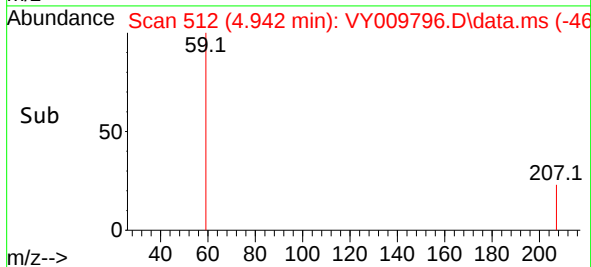
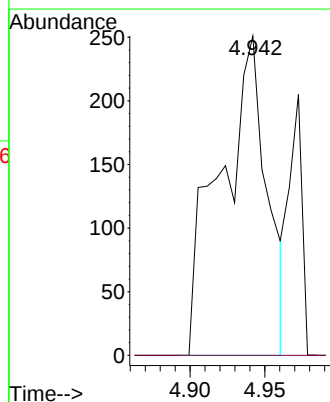
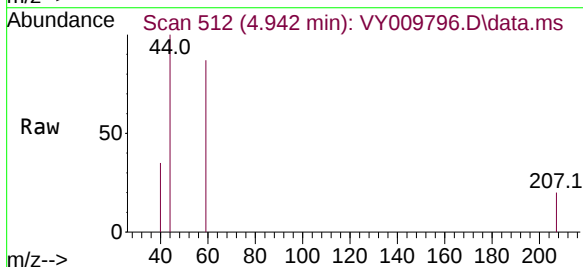
Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

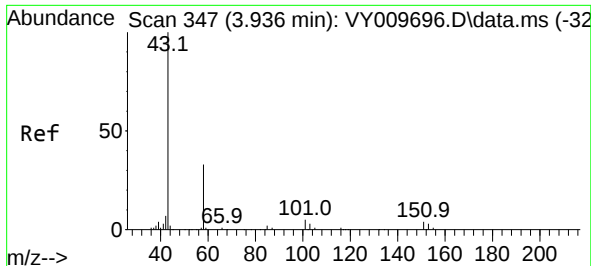
Tgt Ion:168 Resp: 143042
Ion Ratio Lower Upper
168 100
99 47.1 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.082 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.550 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.012 min

Lab File: VY009796.D

Acq: 01 Aug 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

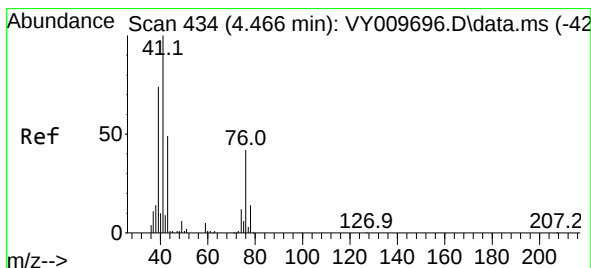
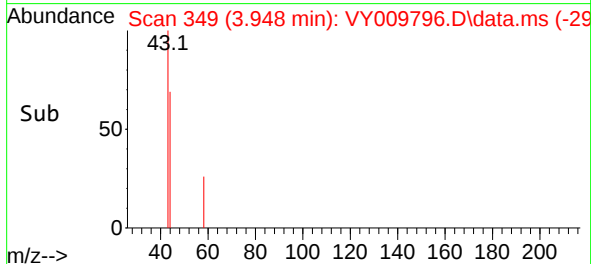
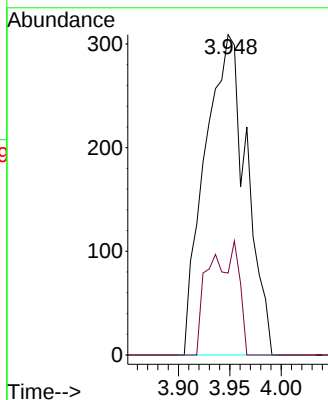
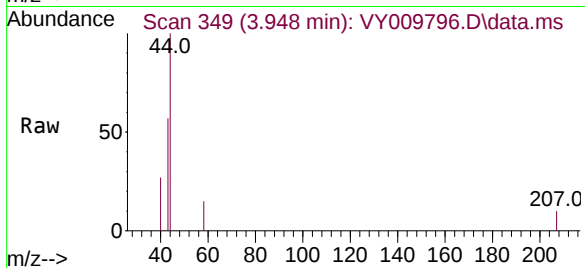
RVE-140

Tgt Ion: 43 Resp: 872

Ion Ratio Lower Upper

43 100

58 25.6 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 436

Delta R.T. 0.013 min

Lab File: VY009796.D

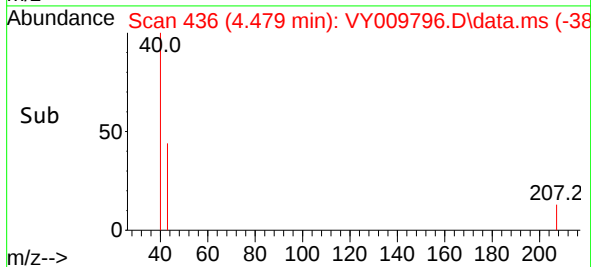
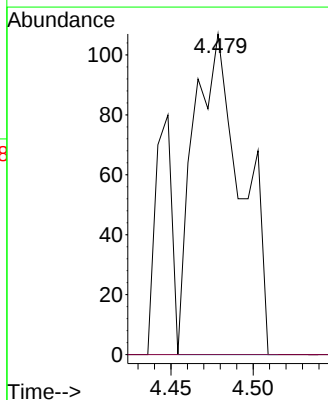
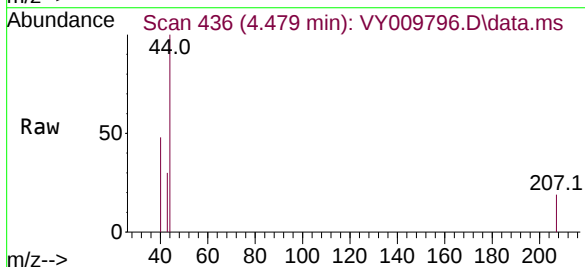
Acq: 01 Aug 2022 15:05

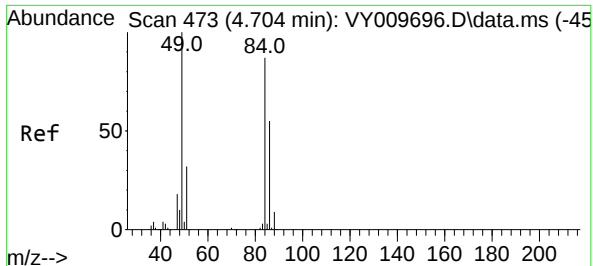
Tgt Ion: 43 Resp: 218

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

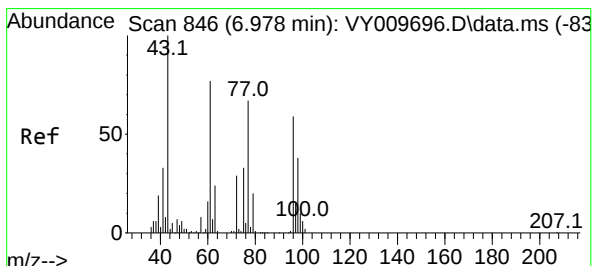
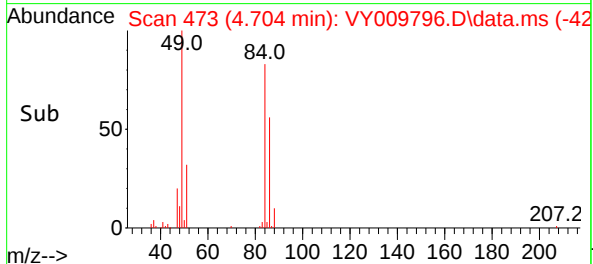
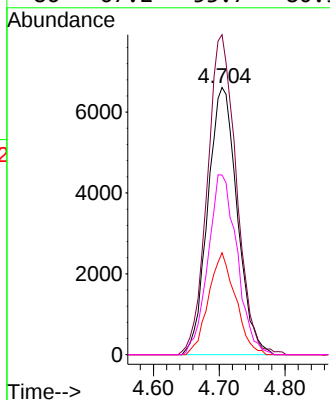
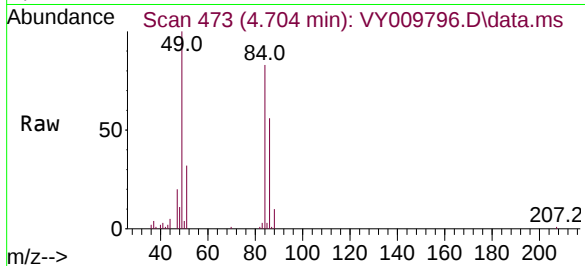




#20
Methylene Chloride
Concen: 3.532 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

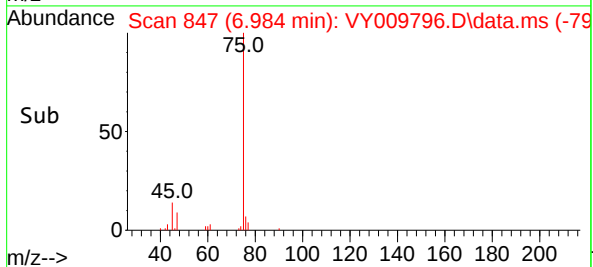
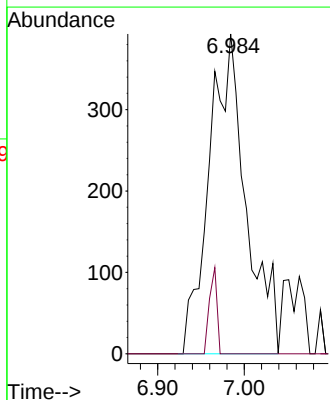
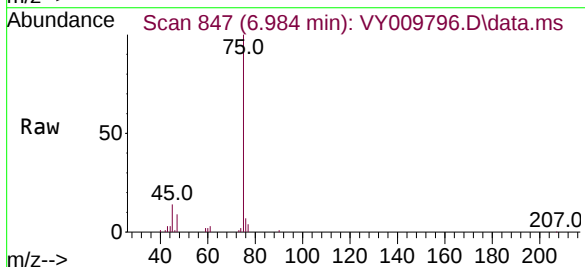
Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

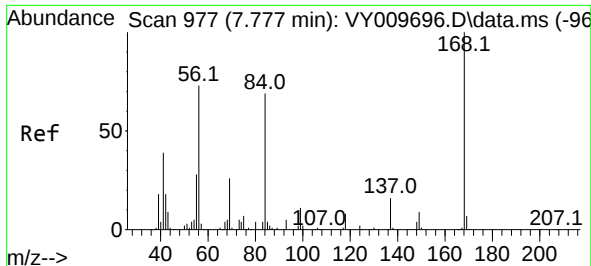
Tgt Ion: 84	Resp: 20574
Ion Ratio	Lower Upper
84 100	
49 119.8	114.4 171.6
51 38.1	35.3 52.9
86 67.2	53.7 80.5



#25
2-Butanone
Concen: 2.297 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 43	Resp: 1159		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	17.7	26.5#	

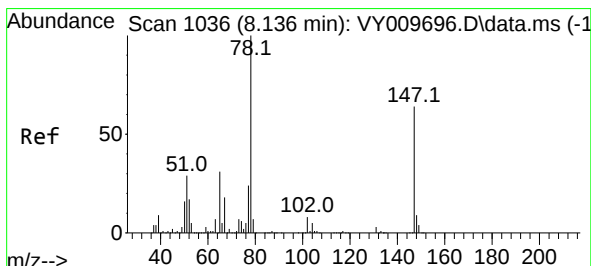
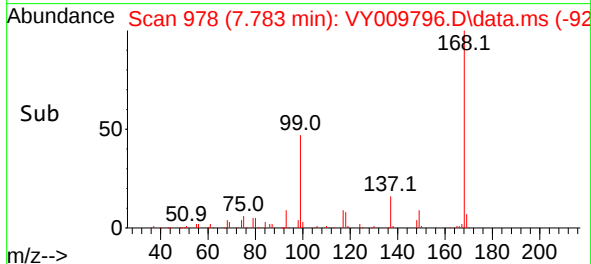
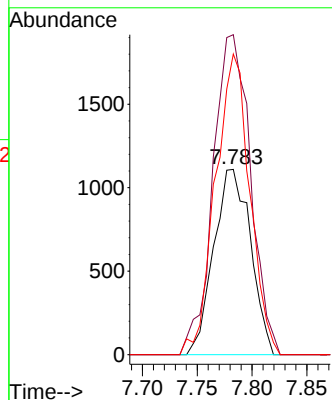
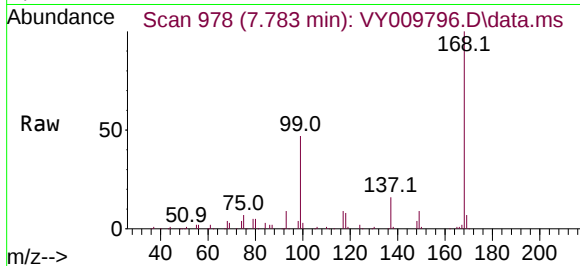




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

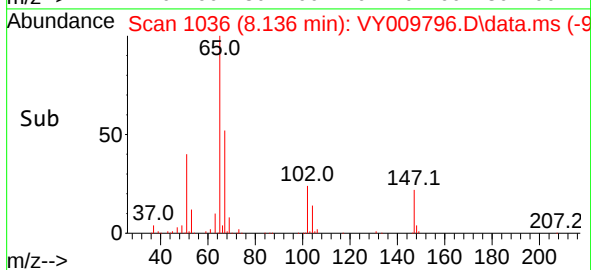
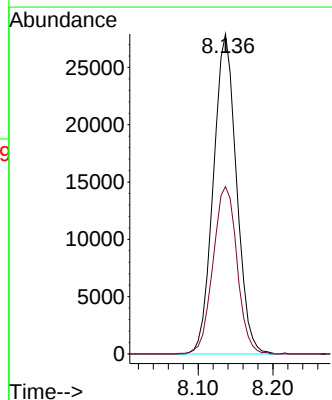
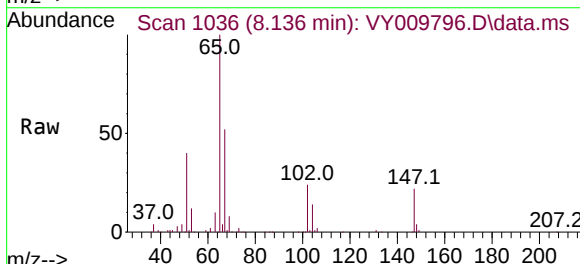
Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

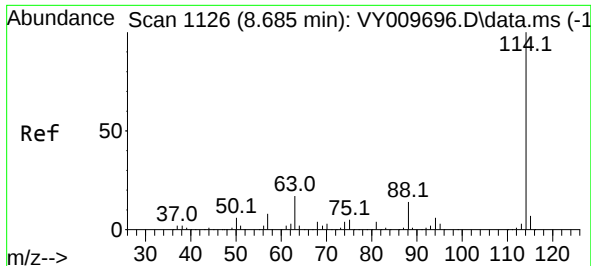
Tgt Ion: 56 Resp: 2588
Ion Ratio Lower Upper
56 100
69 172.7 26.7 40.1#
84 162.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.536 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 65 Resp: 60015
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009796.D

Acq: 01 Aug 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

RVE-140

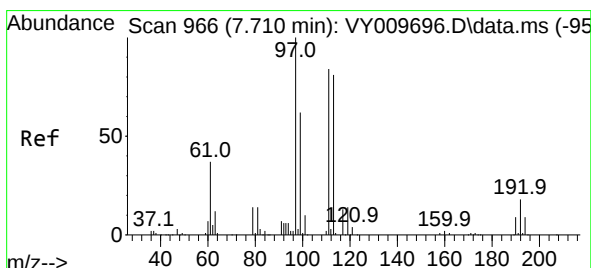
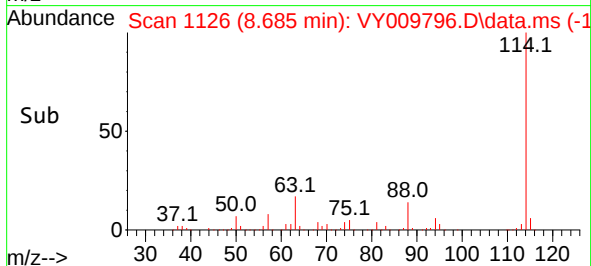
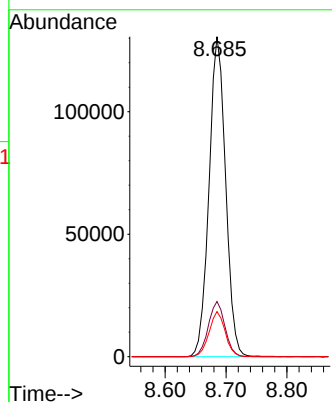
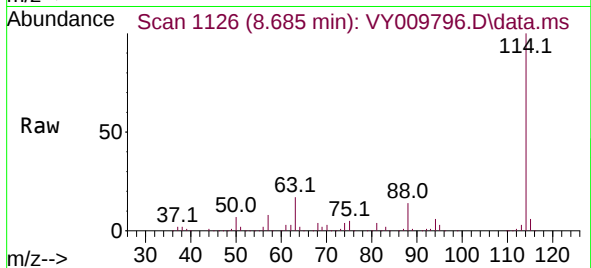
Tgt Ion:114 Resp: 246835

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.586 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009796.D

Acq: 01 Aug 2022 15:05

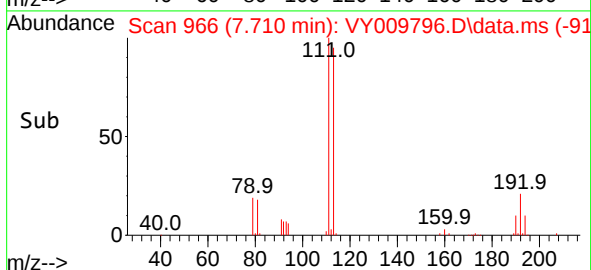
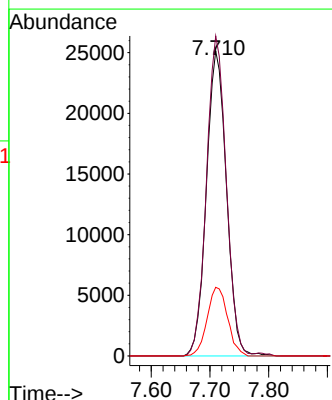
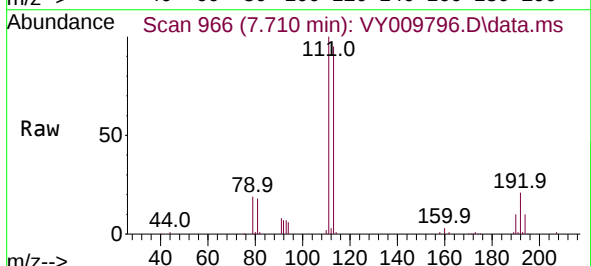
Tgt Ion:113 Resp: 59856

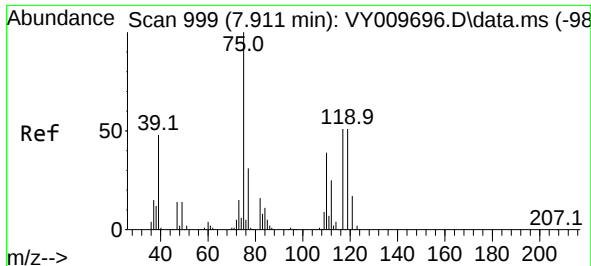
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 22.9 17.6 26.4

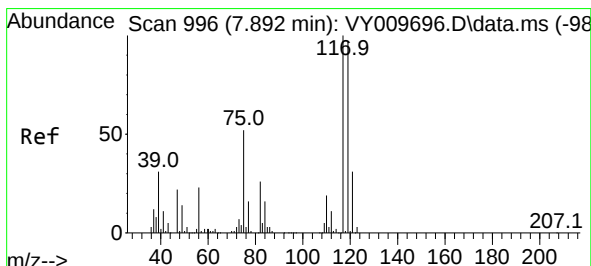
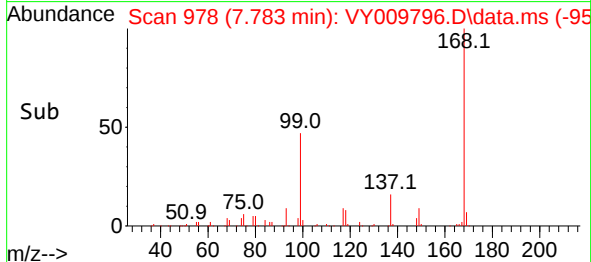
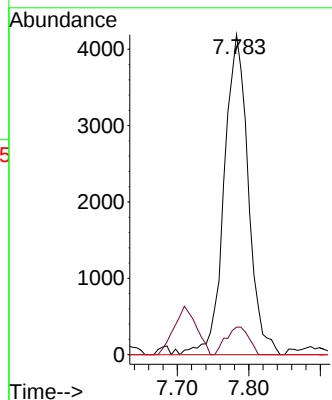
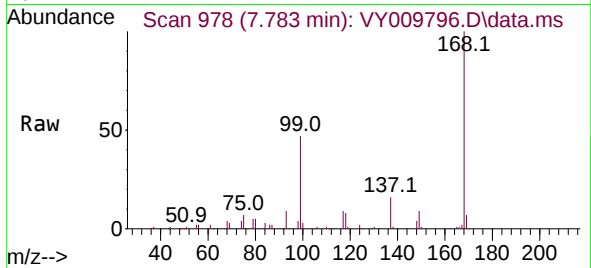




#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

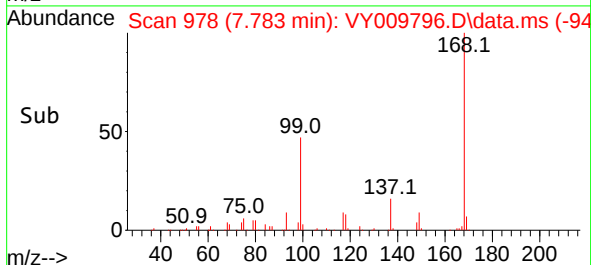
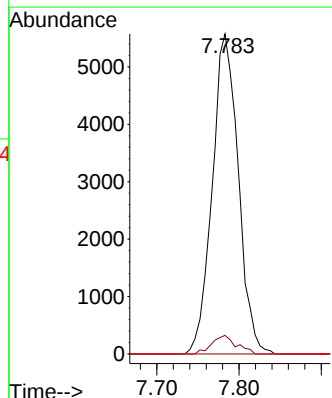
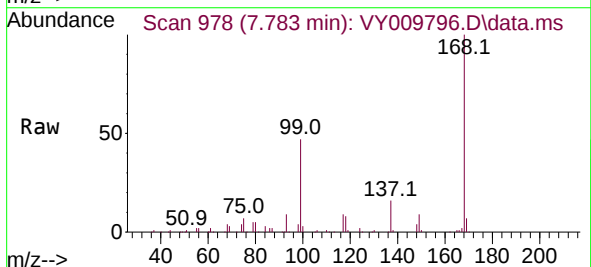
Instrument :
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RVE-140

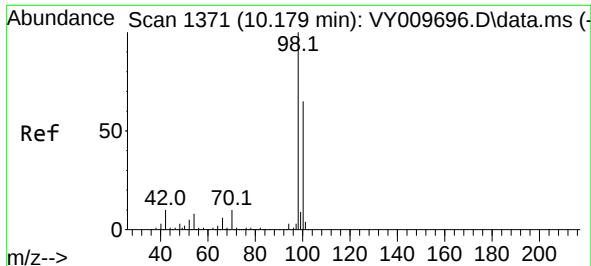
Tgt Ion: 75 Resp: 9808
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.238 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 117 Resp: 12260
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#

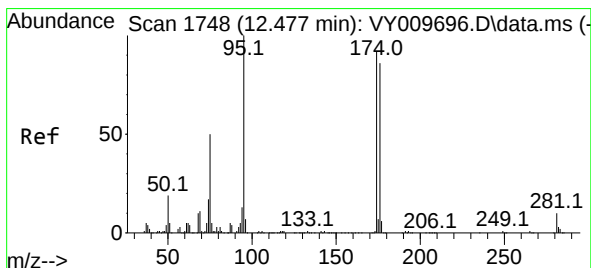
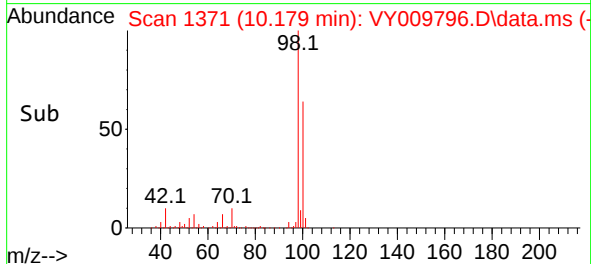
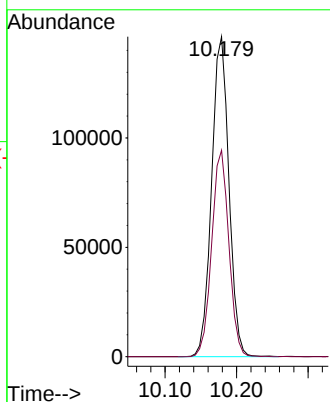
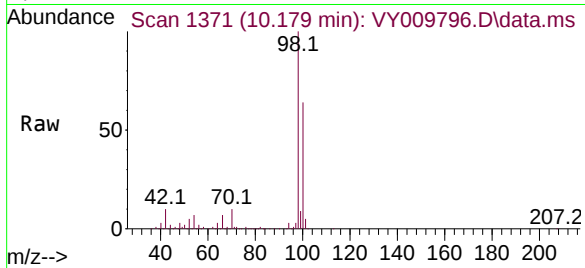




#50
Toluene-d8
Concen: 63.984 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

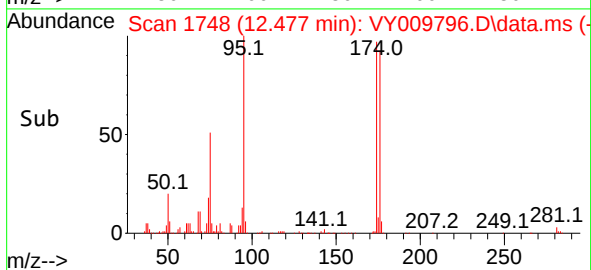
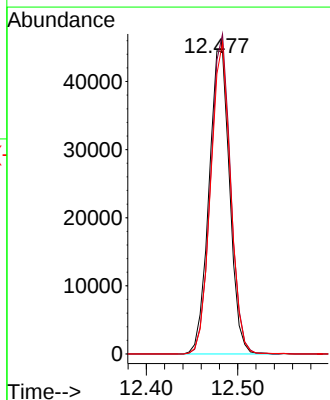
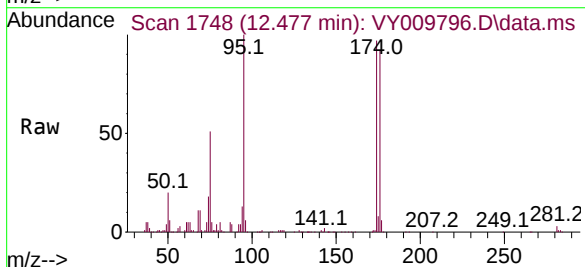
Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

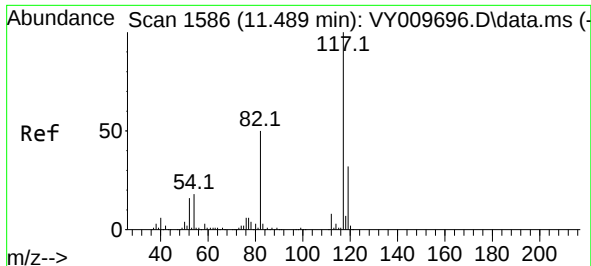
Tgt Ion: 98 Resp: 245523
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.434 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 95 Resp: 70196
Ion Ratio Lower Upper
95 100
174 100.9 0.0 177.0
176 98.0 0.0 175.8

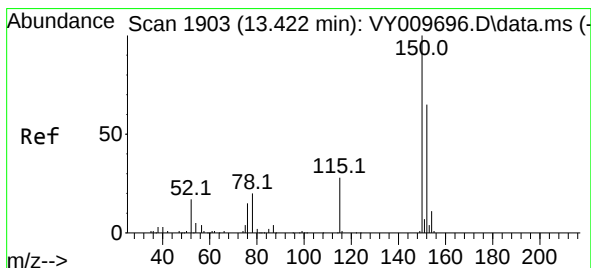
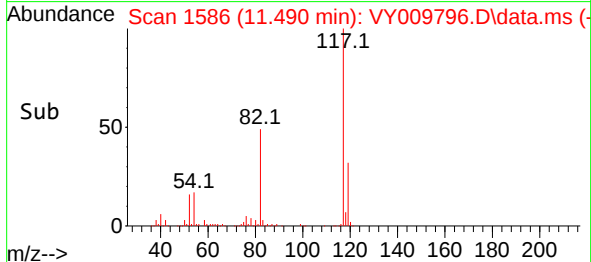
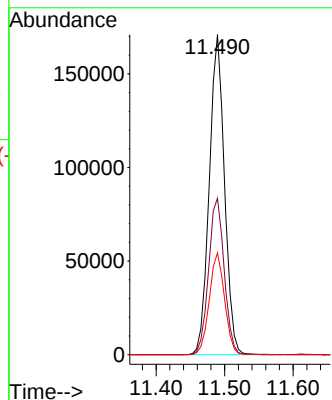
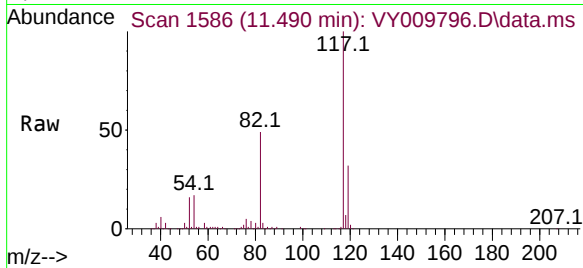




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

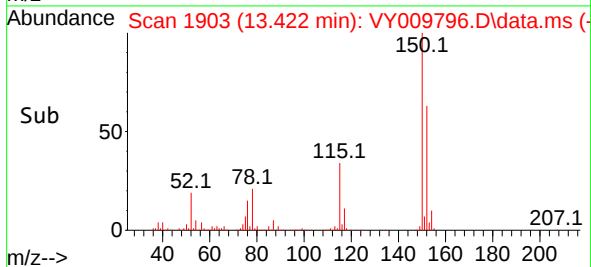
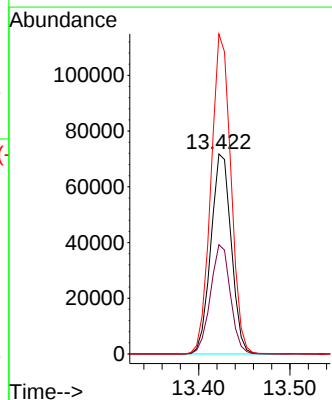
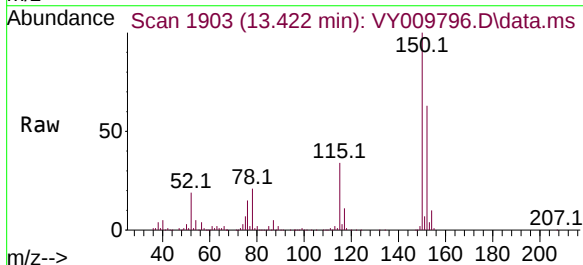
Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

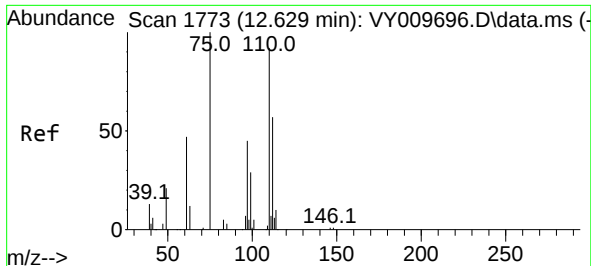
Tgt Ion:117 Resp: 263753
Ion Ratio Lower Upper
117 100
82 48.9 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion:152 Resp: 110839
Ion Ratio Lower Upper
152 100
115 53.5 28.2 84.7
150 156.9 0.0 347.6

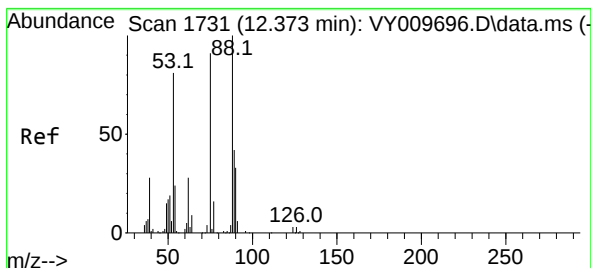
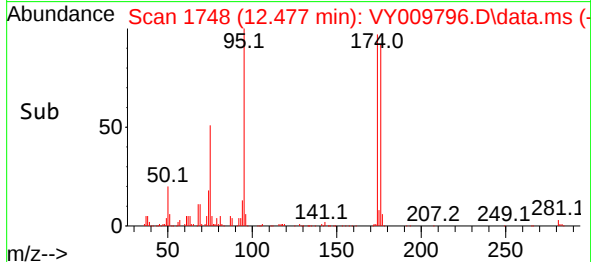
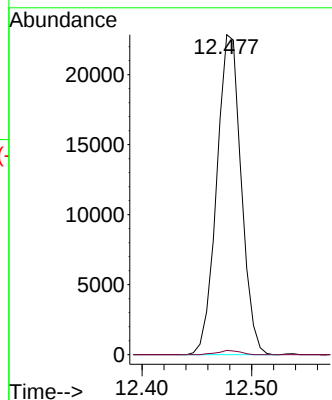
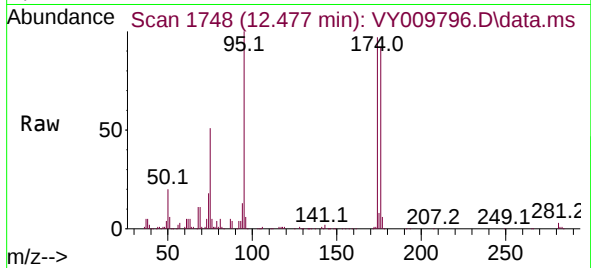




#76
1,2,3-Trichloropropane
Concen: 34.441 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Instrument :
MSVOA_Y
ClientSampleId :
RVE-140

Tgt Ion: 75 Resp: 35458
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.651 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009796.D
Acq: 01 Aug 2022 15:05

Tgt Ion: 75 Resp: 35458
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

