

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080122\
 Data File : VY009811.D
 Acq On : 01 Aug 2022 20:56
 Operator : KP/MD
 Sample : N3961-05
 Misc : 3.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-172

Quant Time: Aug 02 01:43:38 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)

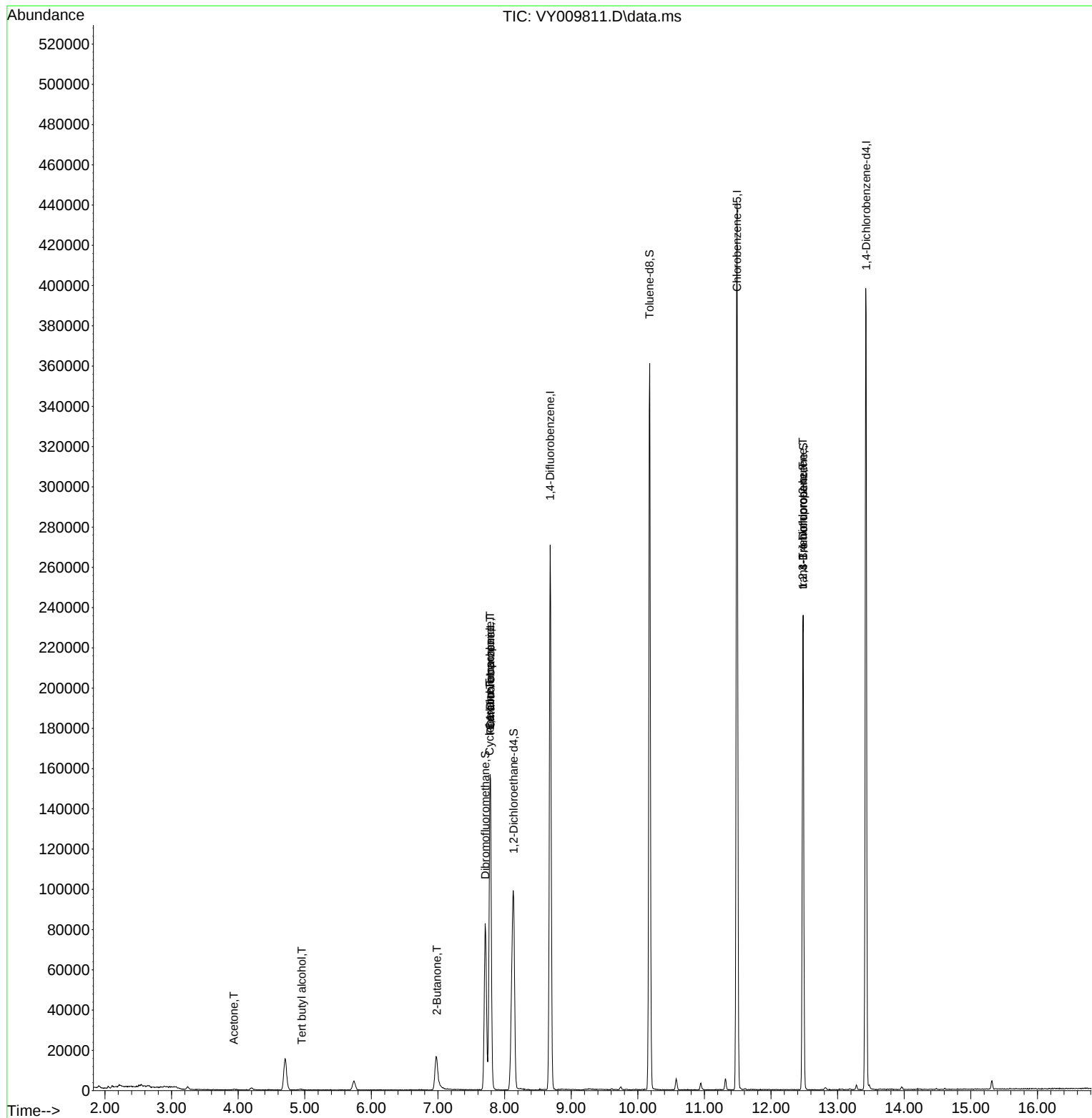
Internal Standards						
1) Pentafluorobenzene	7.789	168	132488	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	233888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59176	69.074	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.140%			
35) Dibromofluoromethane	7.710	113	56409	44.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.680%			
50) Toluene-d8	10.179	98	236516	65.126	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 130.260%#			
62) 4-Bromofluorobenzene	12.483	95	66679	39.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 79.060%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.954	59	288	1.399	ug/l	# 77
16) Acetone	3.936	43	760	2.399	ug/l	92
18) Methyl Acetate	4.454	43	215	Below Cal	#	56
20) Methylene Chloride	4.710	84	11585	Below Cal	#	87
25) 2-Butanone	6.984	43	1061	2.270	ug/l	94
31) Cyclohexane	7.777	56	2530	1.200	ug/l	# 25
36) 1,1-Dichloropropene	7.783	75	9350	4.517	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	11640	5.248	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	34025	34.036	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	34025	67.844	ug/l	# 7

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

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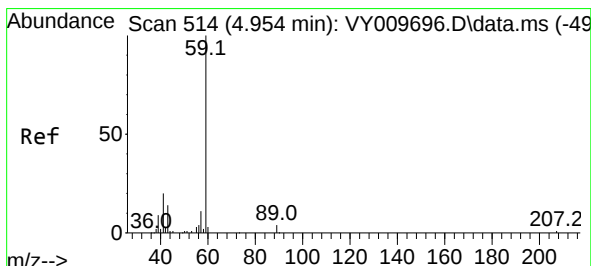
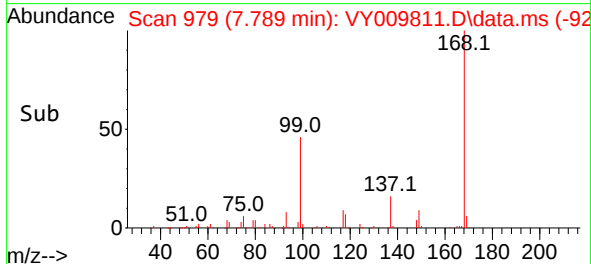
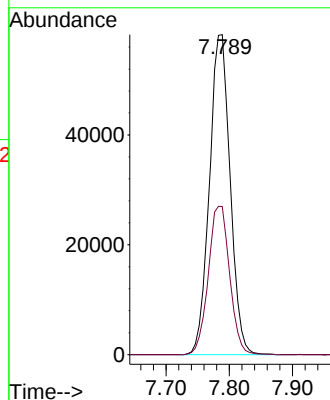
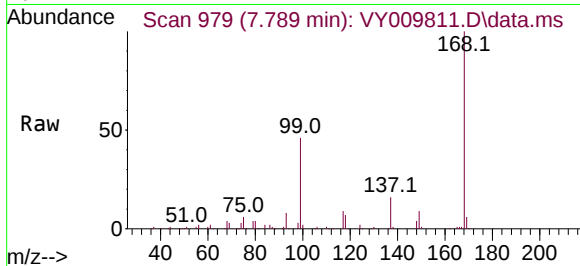




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

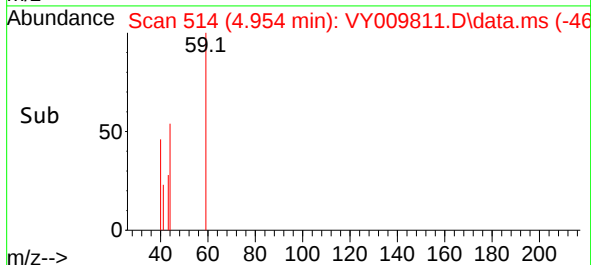
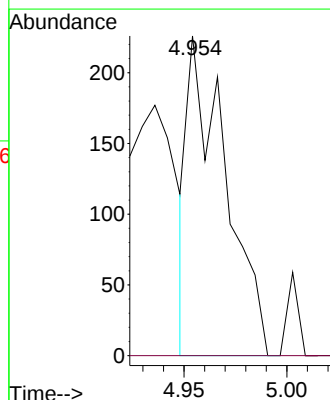
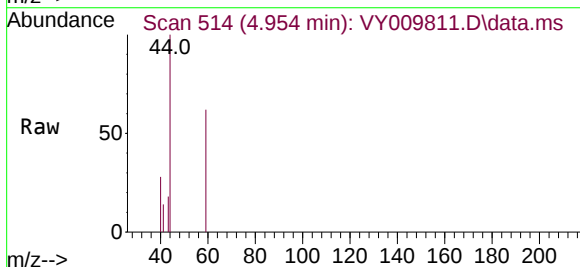
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

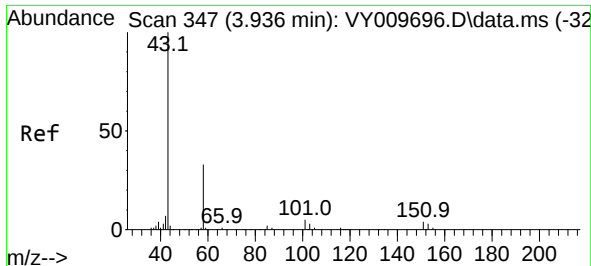
Tgt Ion:168 Resp: 132488
Ion Ratio Lower Upper
168 100
99 46.3 46.9 70.3#



#11
Tert butyl alcohol
Concen: 1.399 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.399 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009811.D

Acq: 01 Aug 2022 20:56

Instrument :

MSVOA_Y

ClientSampleId :

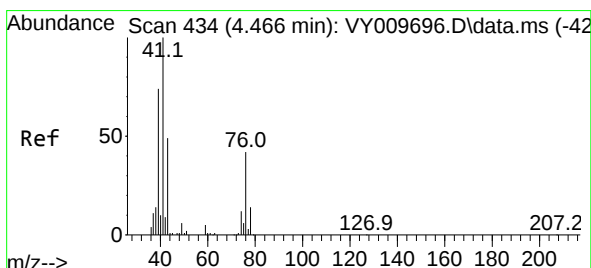
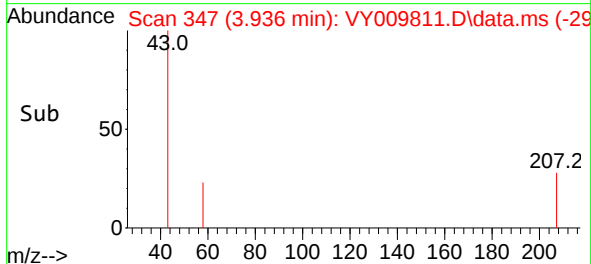
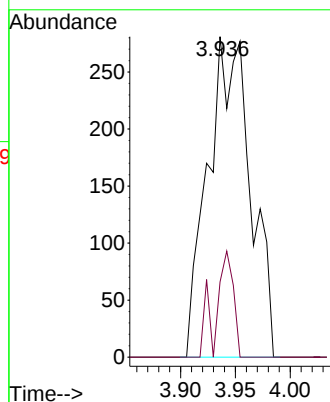
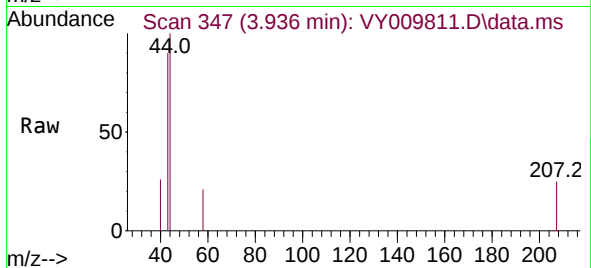
RVE-172

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

58 23.5 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.454 min Scan# 432

Delta R.T. -0.012 min

Lab File: VY009811.D

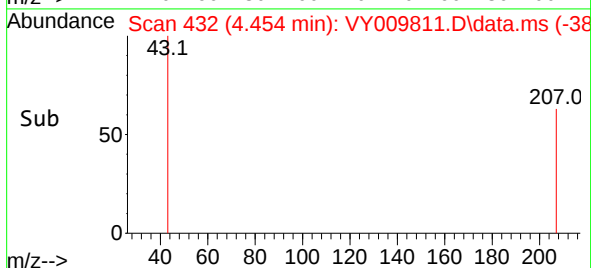
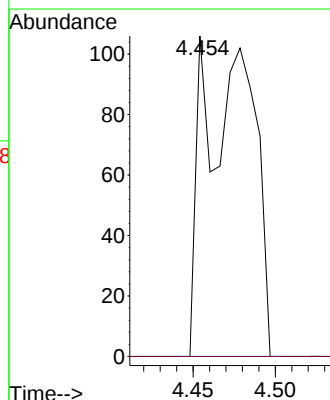
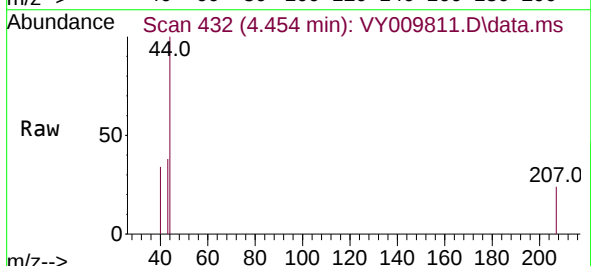
Acq: 01 Aug 2022 20:56

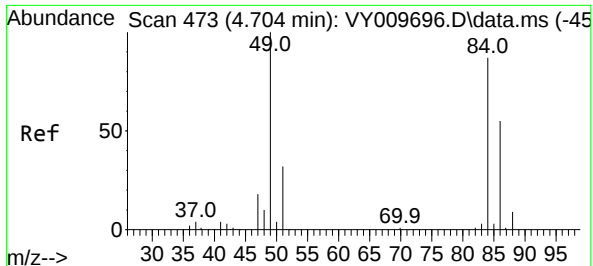
Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009811.D

Acq: 01 Aug 2022 20:56

Instrument :

MSVOA_Y

ClientSampleId :

RVE-172

Tgt Ion: 84 Resp: 11585

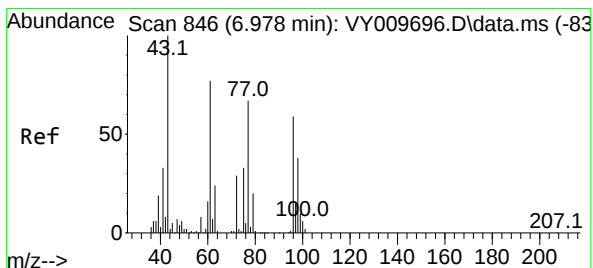
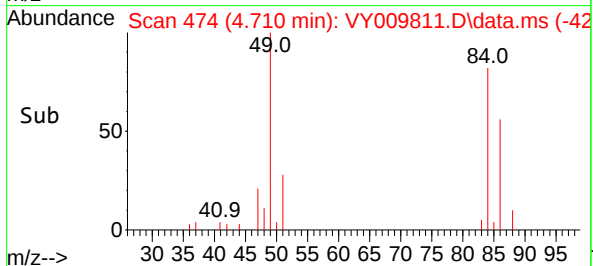
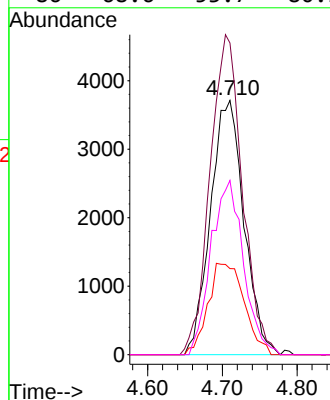
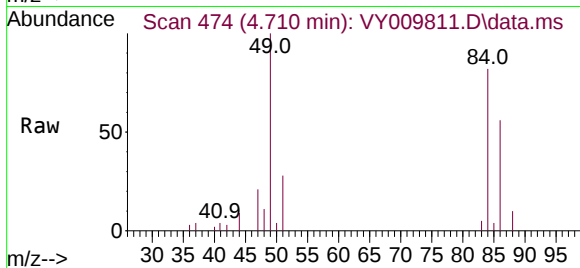
Ion Ratio Lower Upper

84 100

49 122.6 114.4 171.6

51 33.9 35.3 52.9#

86 68.6 53.7 80.5



#25

2-Butanone

Concen: 2.270 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY009811.D

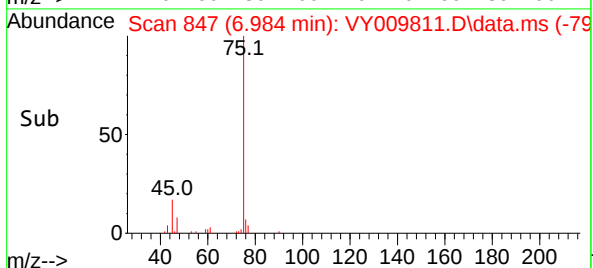
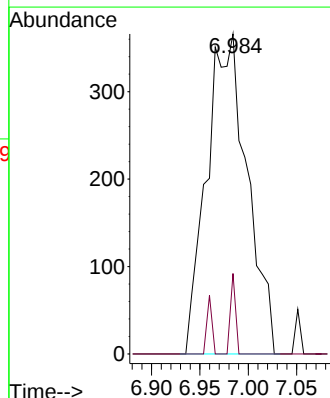
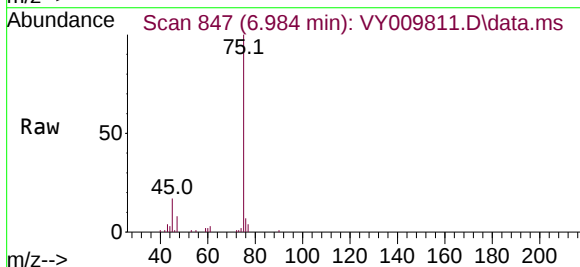
Acq: 01 Aug 2022 20:56

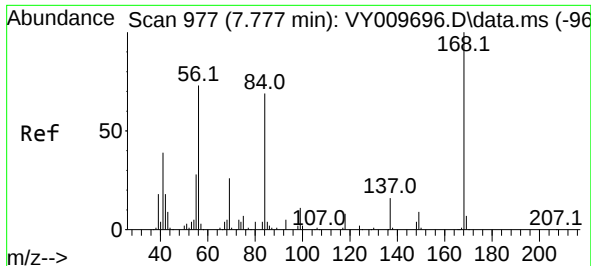
Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

72 25.1 17.7 26.5

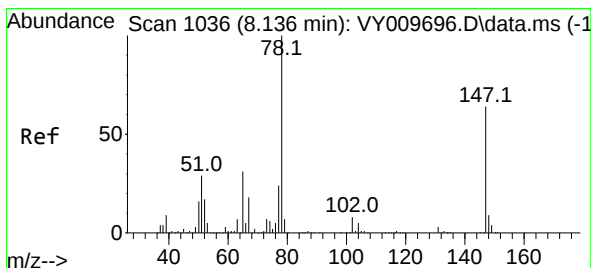
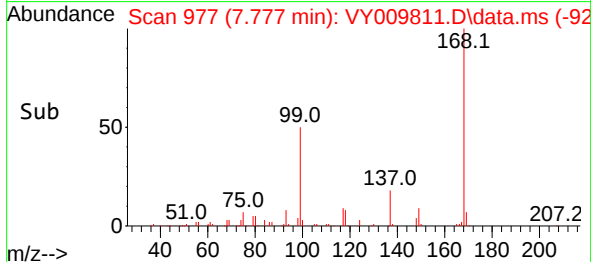
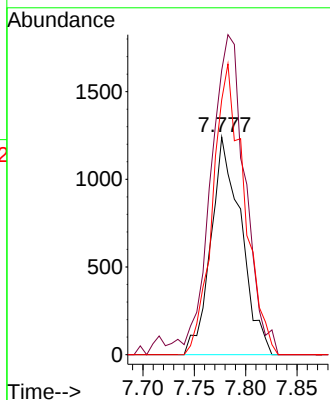
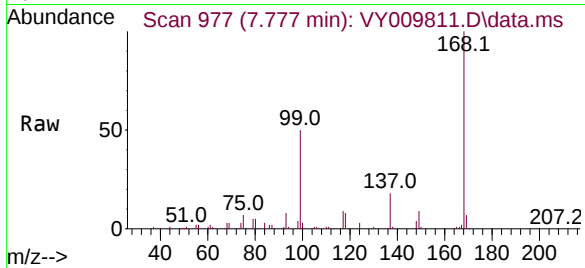




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

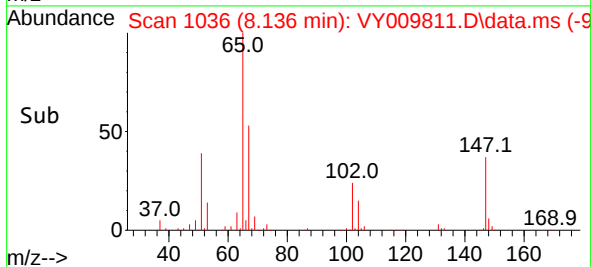
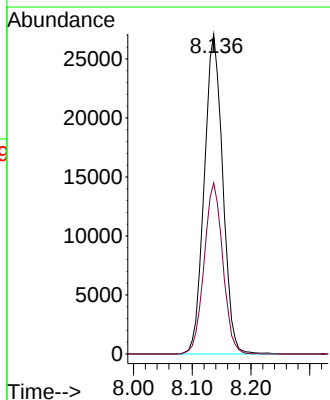
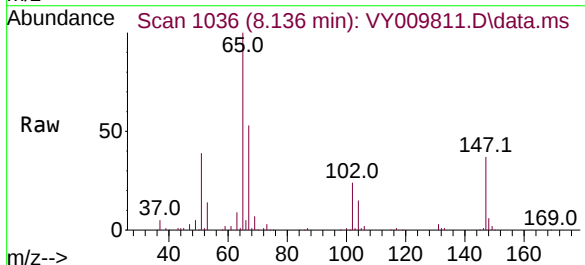
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

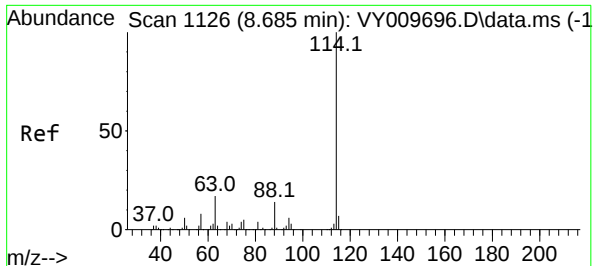
Tgt Ion: 56 Resp: 2530
Ion Ratio Lower Upper
56 100
69 130.7 26.7 40.1#
84 117.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.074 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

Tgt Ion: 65 Resp: 59176
Ion Ratio Lower Upper
65 100
67 54.0 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: VY009811.D

Acq: 01 Aug 2022 20:56

Instrument :

MSVOA_Y

ClientSampleId :

RVE-172

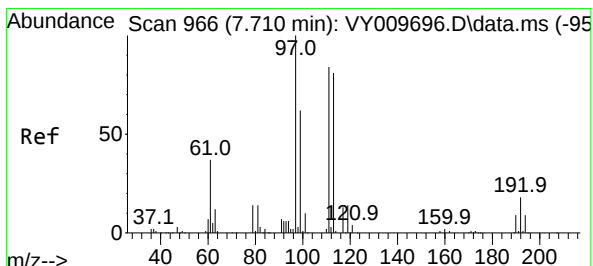
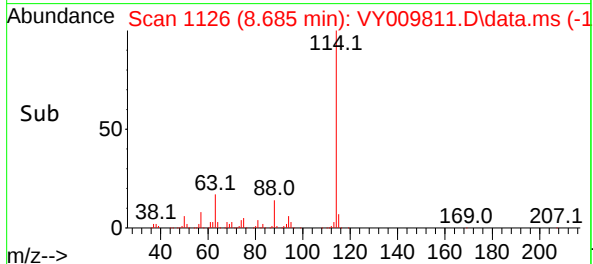
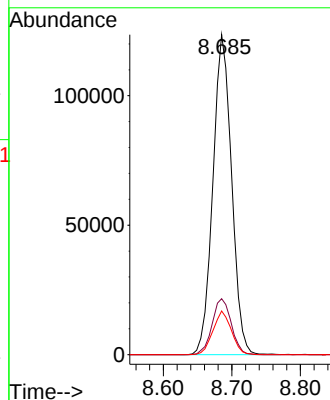
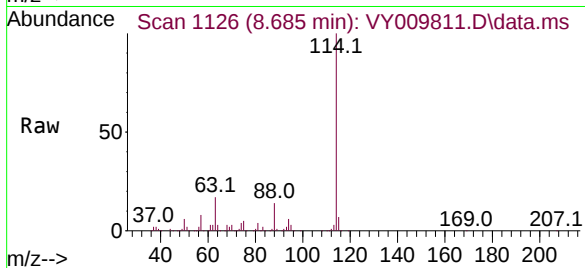
Tgt Ion:114 Resp: 233888

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.345 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009811.D

Acq: 01 Aug 2022 20:56

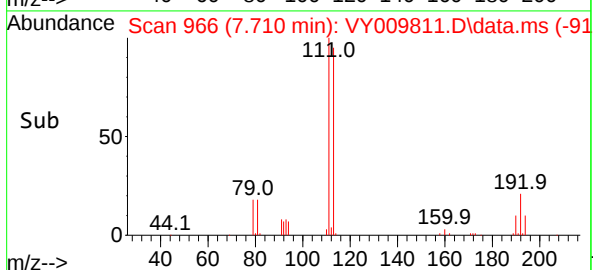
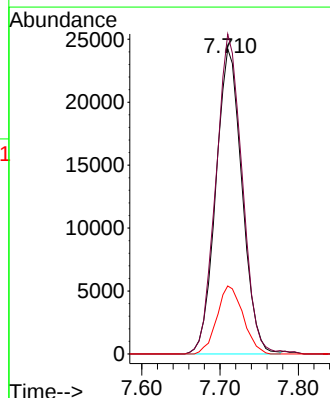
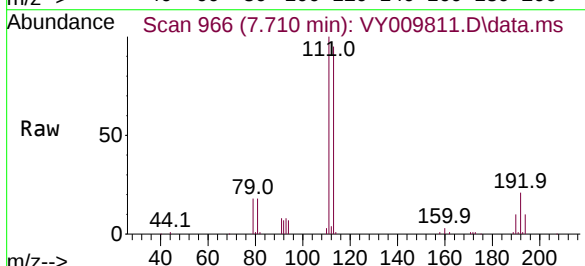
Tgt Ion:113 Resp: 56409

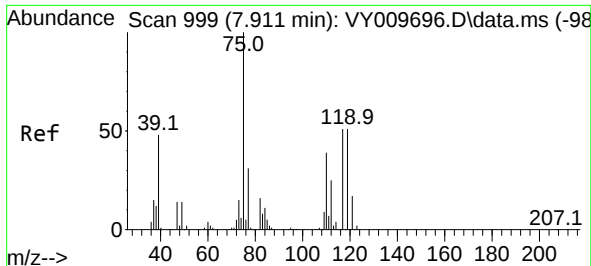
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

192 22.2 17.6 26.4

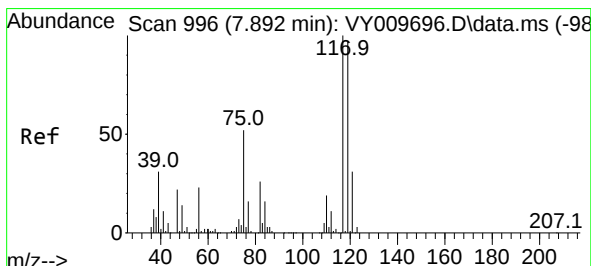
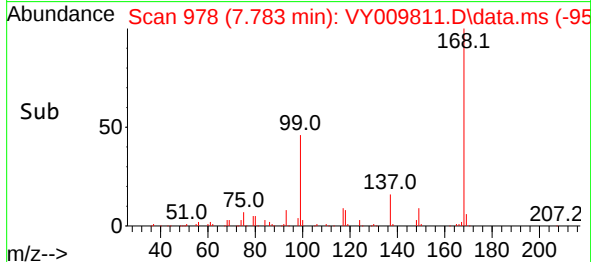
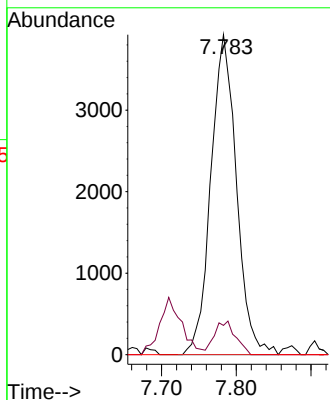
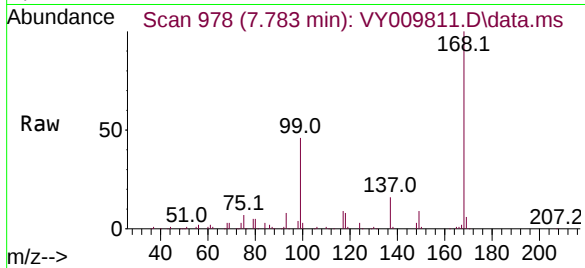




#36
1,1-Dichloropropene
Concen: 4.517 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

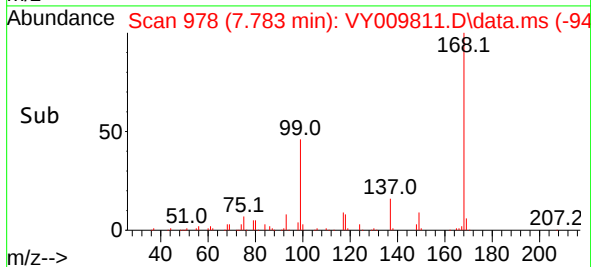
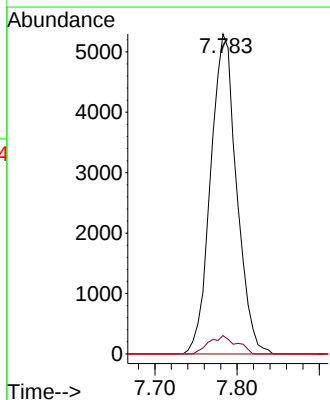
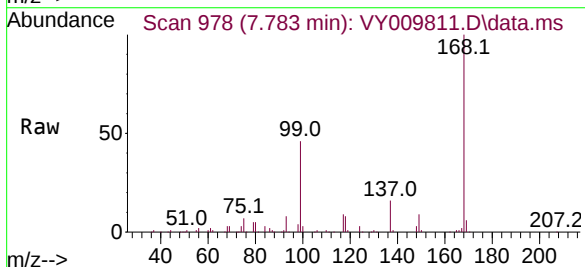
Instrument :
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RVE-172

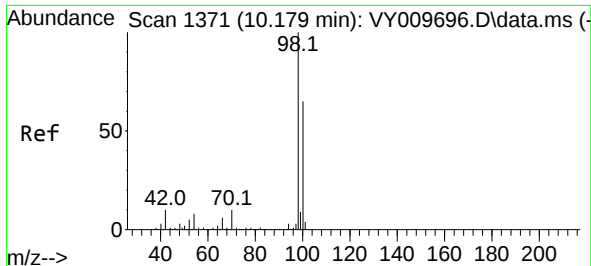
Tgt Ion: 75 Resp: 9350
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.248 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

Tgt Ion: 117 Resp: 11640
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#

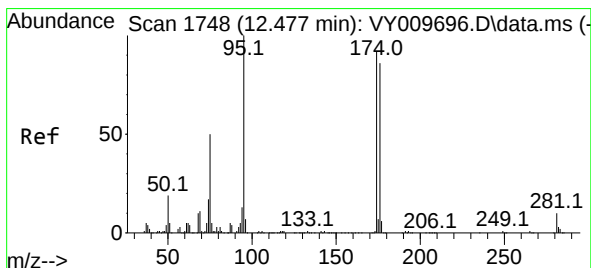
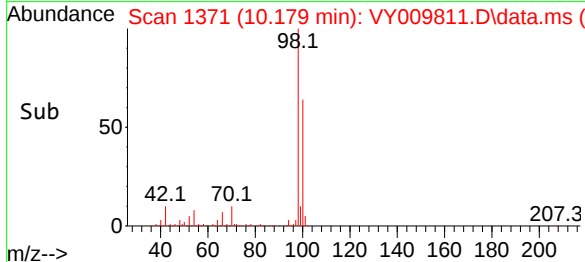
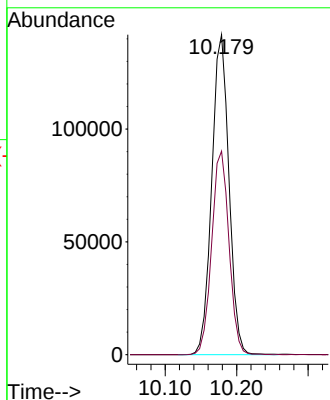
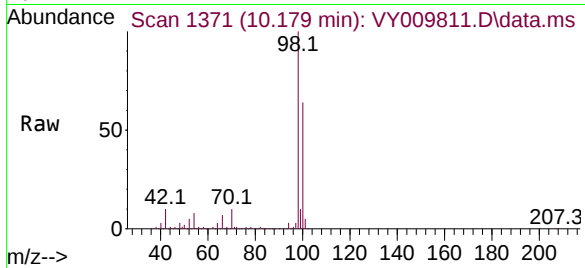




#50
Toluene-d8
Concen: 65.126 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

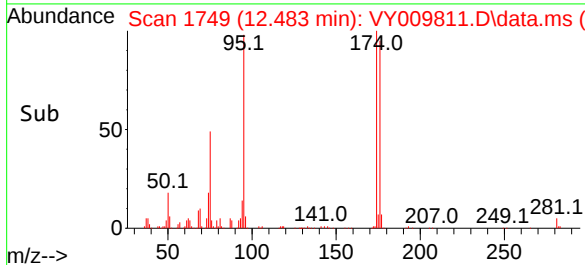
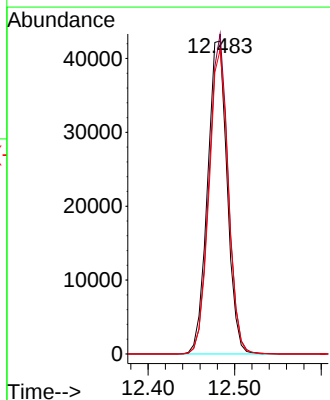
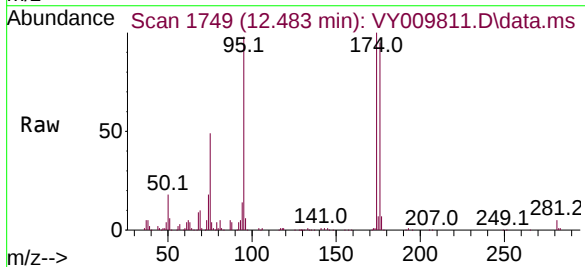
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

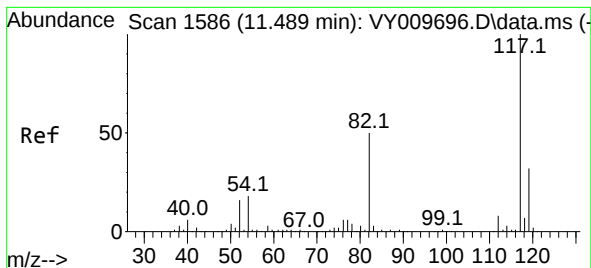
Tgt Ion: 98 Resp: 236516
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.532 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

Tgt Ion: 95 Resp: 66679
Ion Ratio Lower Upper
95 100
174 99.5 0.0 177.0
176 95.6 0.0 175.8

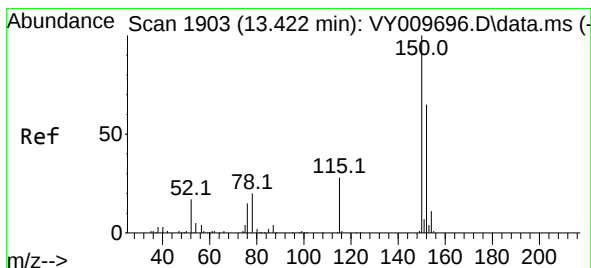
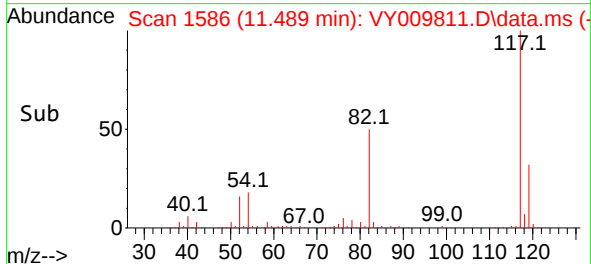
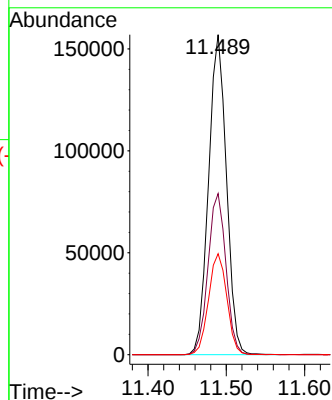
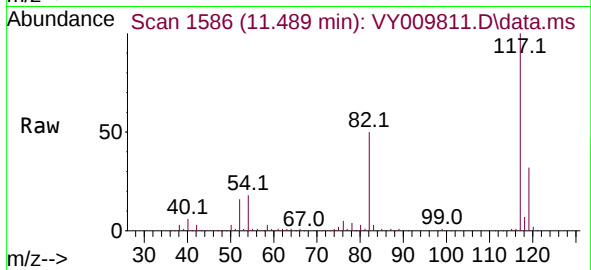




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

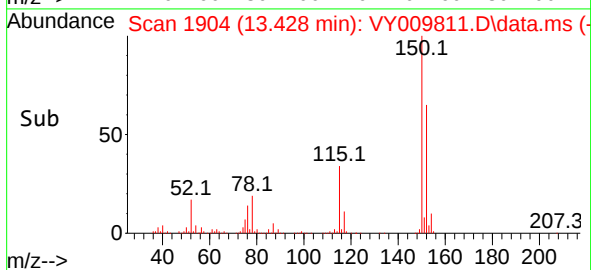
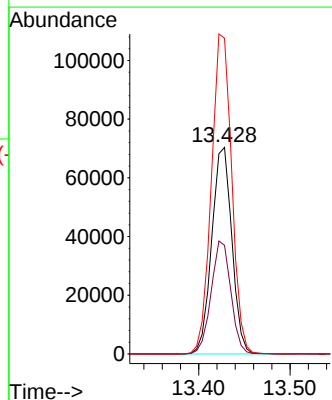
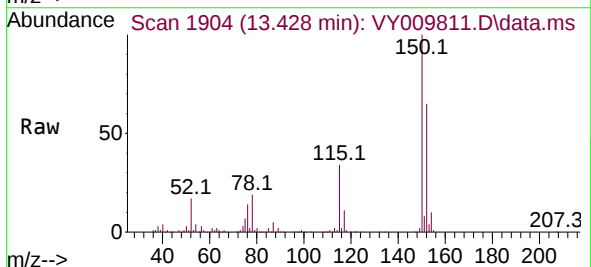
Instrument :
MSVOA_Y
ClientSampleId :
RVE-172

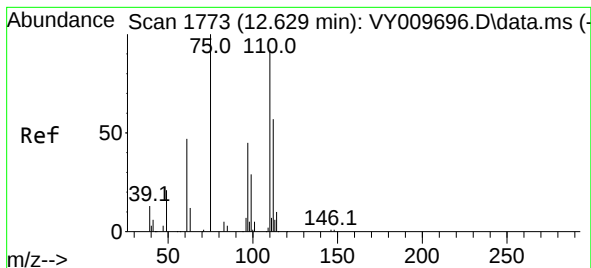
Tgt Ion:117 Resp: 248235
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY009811.D
Acq: 01 Aug 2022 20:56

Tgt Ion:152 Resp: 107624
Ion Ratio Lower Upper
152 100
115 53.6 28.2 84.7
150 156.2 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 34.036 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009811.D

Acq: 01 Aug 2022 20:56

Instrument :

MSVOA_Y

ClientSampleId :

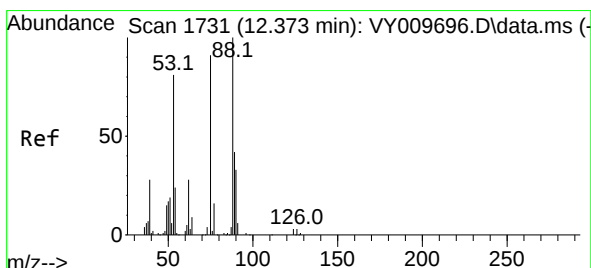
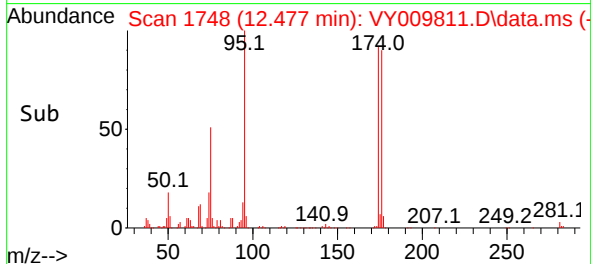
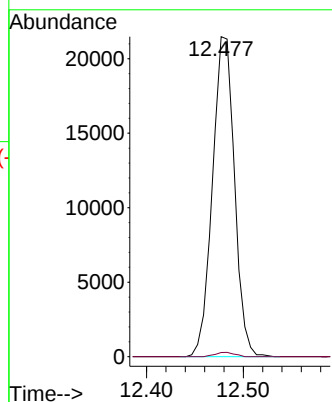
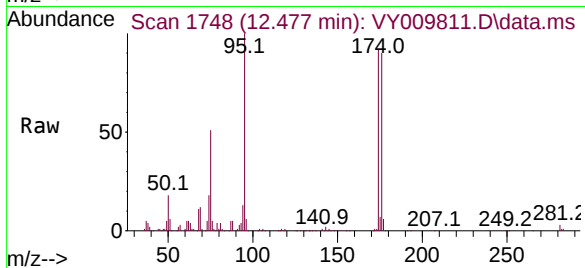
RVE-172

Tgt Ion: 75 Resp: 34025

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.844 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009811.D

Acq: 01 Aug 2022 20:56

Tgt Ion: 75 Resp: 34025

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

