

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008757.D
 Acq On : 13 May 2022 18:22
 Operator : KP/MD
 Sample : N2792-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-371

Quant Time: May 16 05:54:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

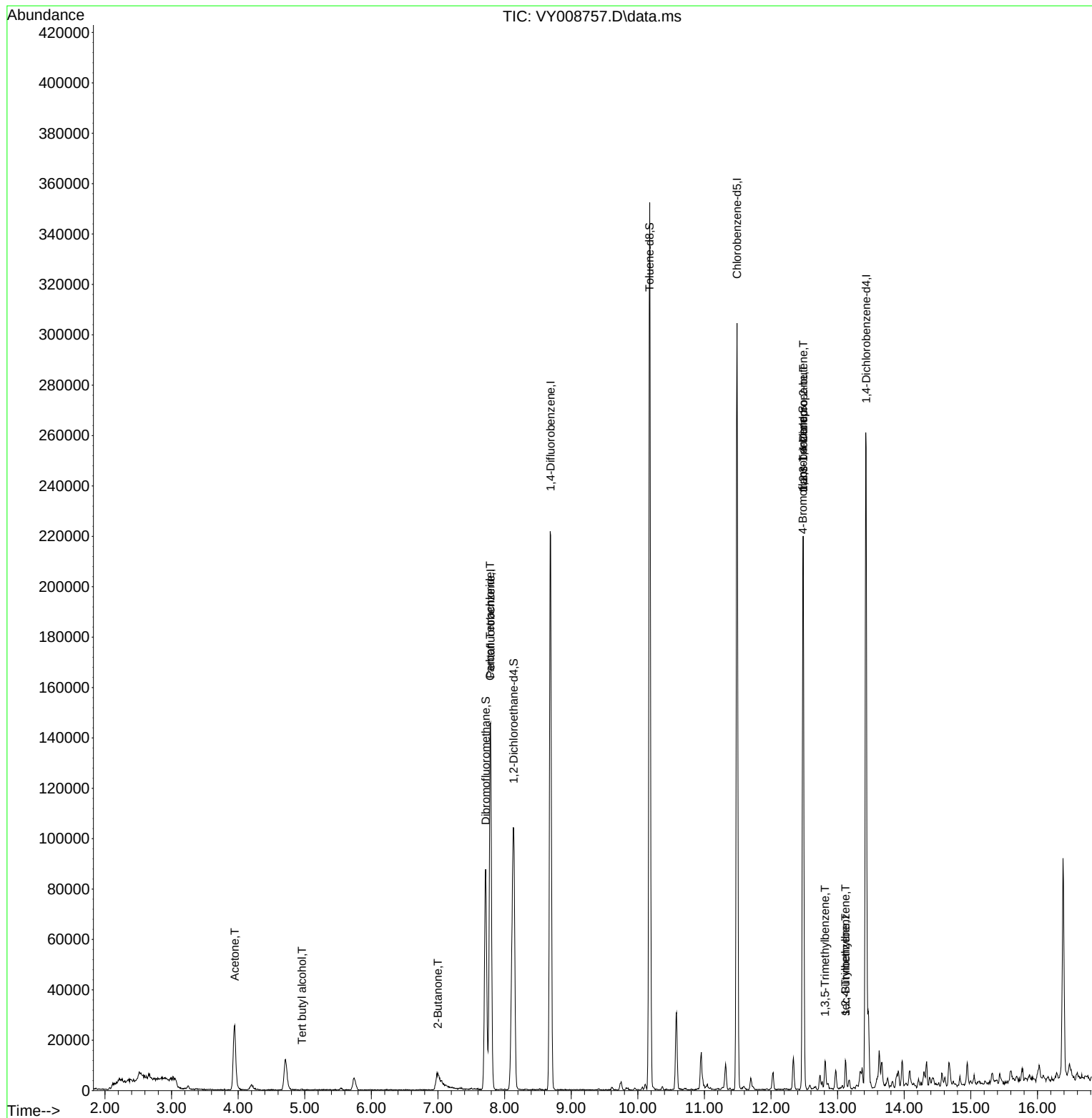
Internal Standards						
1) Pentafluorobenzene	7.789	168	111244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	193358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	161084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62237	56.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.360%	
35) Dibromofluoromethane	7.716	113	60105	51.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.580%	
50) Toluene-d8	10.179	98	223546	51.078	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.477	95	58577	38.630	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	424	Below Cal		98
4) Vinyl Chloride	2.259	62	297	Below Cal	#	41
5) Bromomethane	2.668	94	1037	Below Cal	#	71
6) Chloroethane	2.832	64	68	Below Cal	#	42
11) Tert butyl alcohol	4.960	59	273	1.058 ug/l	#	76
16) Acetone	3.948	43	43499	179.215 ug/l		95
18) Methyl Acetate	4.497	43	89	Below Cal	#	49
20) Methylene Chloride	4.704	84	9364	Below Cal	#	90
25) 2-Butanone	6.996	43	525	1.336 ug/l	#	43
31) Cyclohexane	7.783	56	2391	Below Cal	#	30
38) Carbon Tetrachloride	7.783	117	11258	5.750 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	34038	51.894 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.812	105	4307	1.071 ug/l		94
81) trans-1,4-Dichloro-2-b...	12.483	75	34038	100.254 ug/l	#	16
84) 1,2,4-Trimethylbenzene	13.117	105	5945	1.488 ug/l		95
85) sec-Butylbenzene	13.117	105	5945	1.097 ug/l	#	56

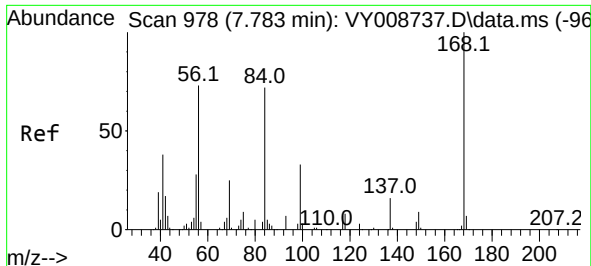
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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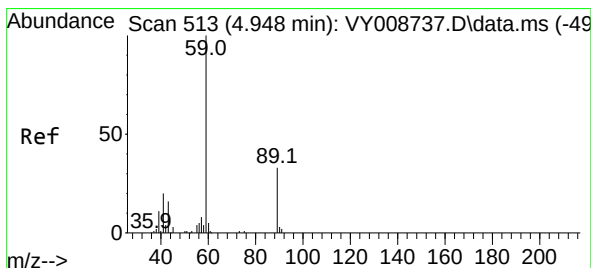
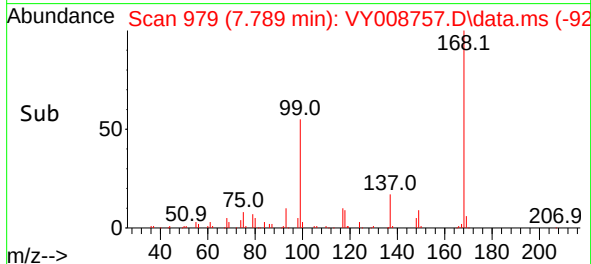
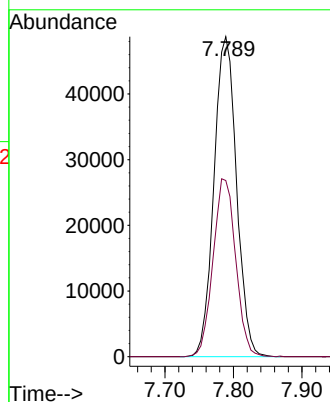
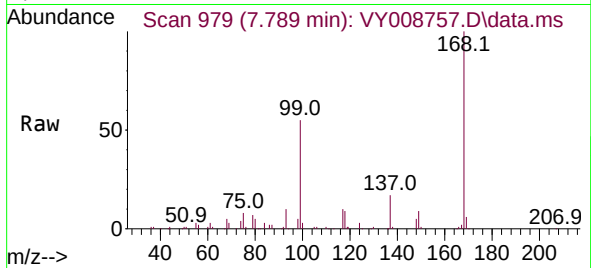




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

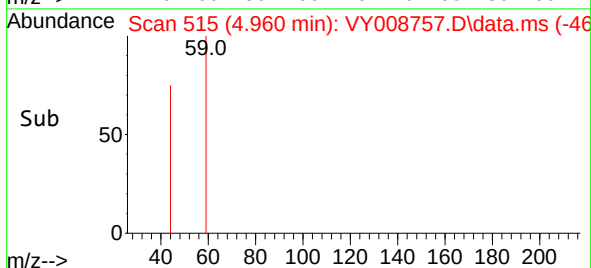
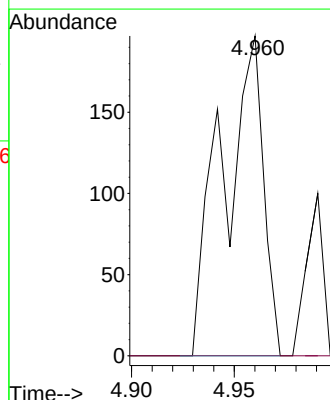
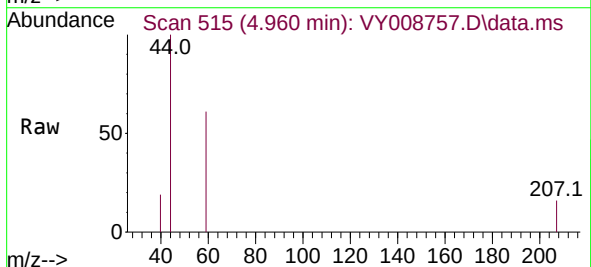
Instrument :
MSVOA_Y
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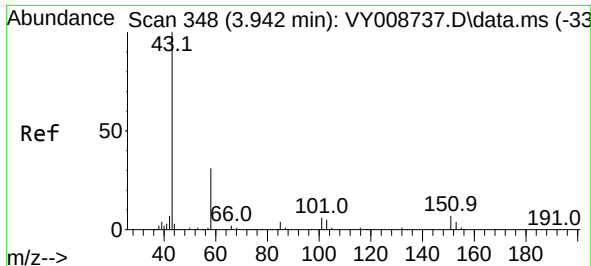
Tgt Ion:168 Resp: 111244
Ion Ratio Lower Upper
168 100
99 55.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 1.058 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

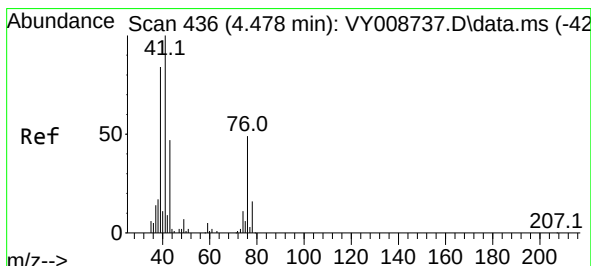
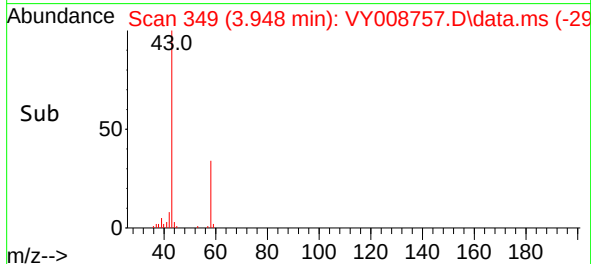
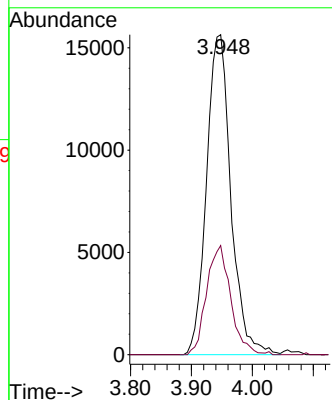
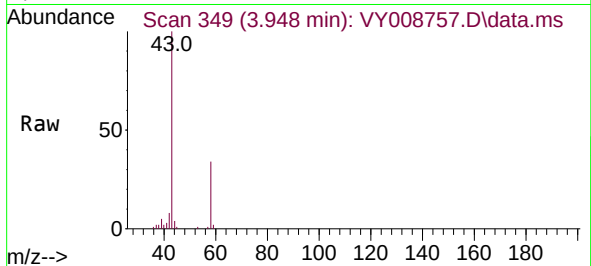




#16
Acetone
Concen: 179.215 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

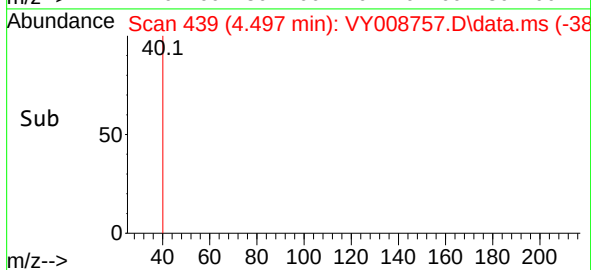
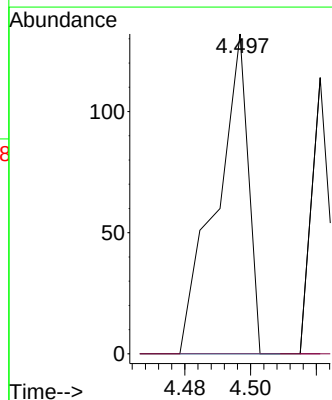
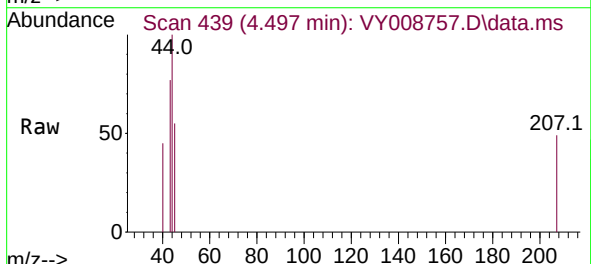
Instrument :
MSVOA_Y
ClientSampleId :
RO-371

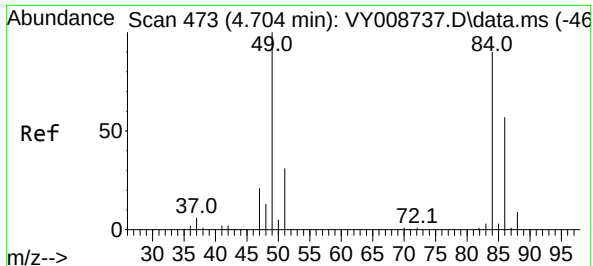
Tgt Ion: 43 Resp: 43499
Ion Ratio Lower Upper
43 100
58 34.1 25.1 37.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 439
Delta R.T. 0.019 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008757.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_Y

ClientSampleId :

RO-371

Tgt Ion: 84 Resp: 9364

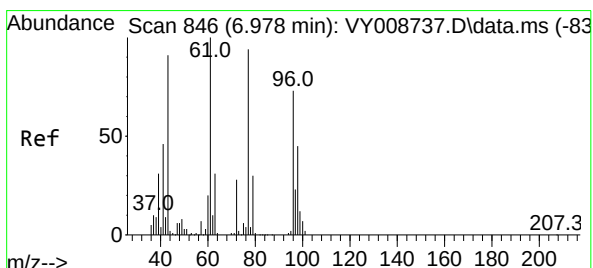
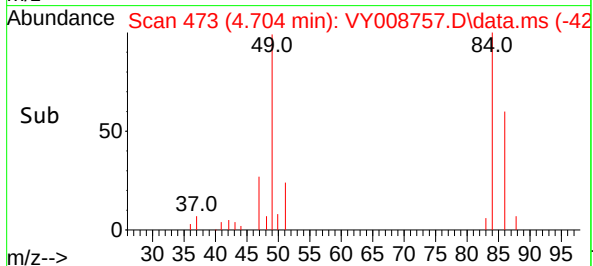
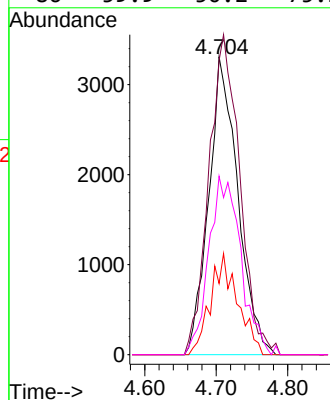
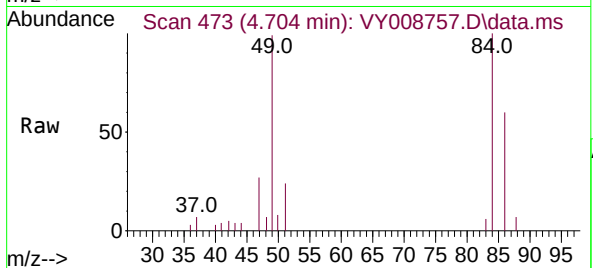
Ion Ratio Lower Upper

84 100

49 98.7 88.6 133.0

51 23.9 27.4 41.0#

86 59.9 50.2 75.2



#25

2-Butanone

Concen: 1.336 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.018 min

Lab File: VY008757.D

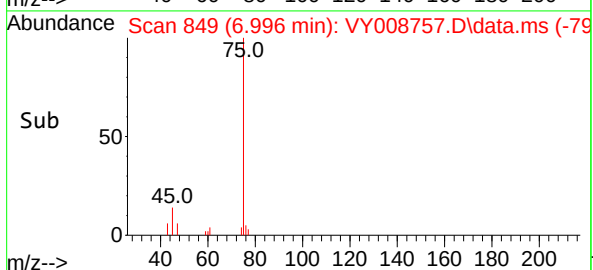
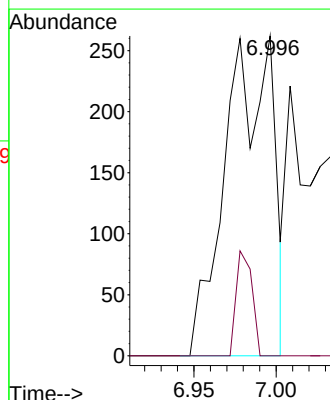
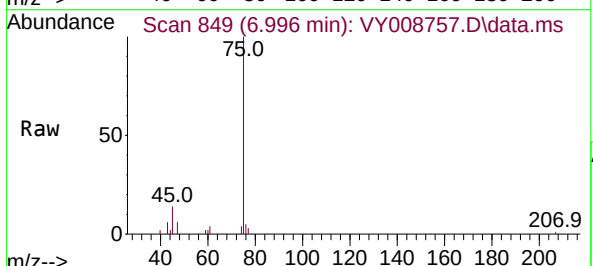
Acq: 13 May 2022 18:22

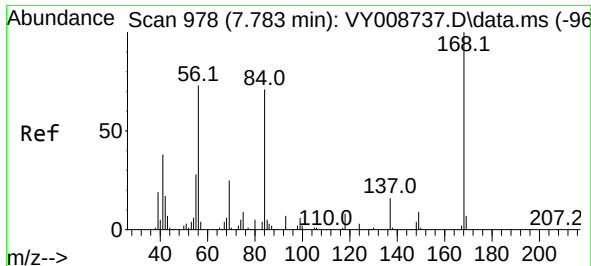
Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.4#

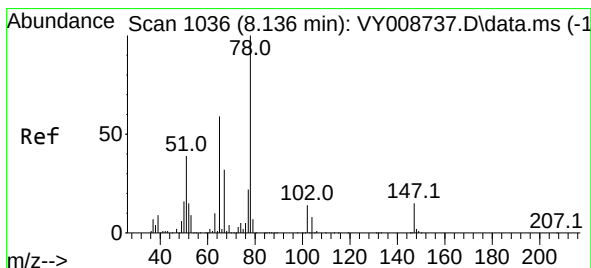
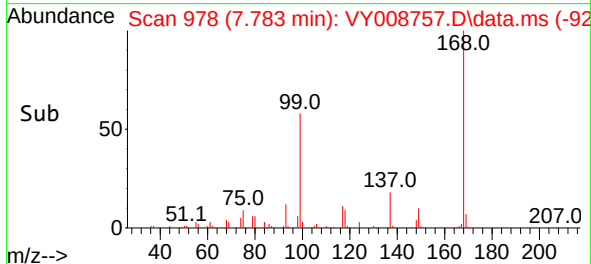
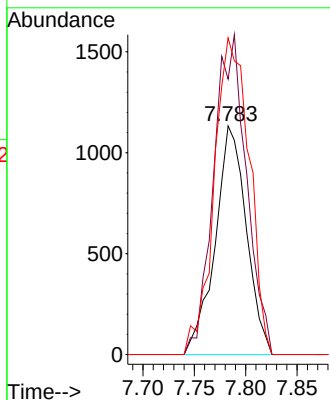
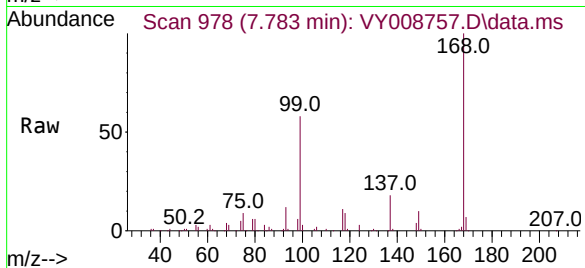




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

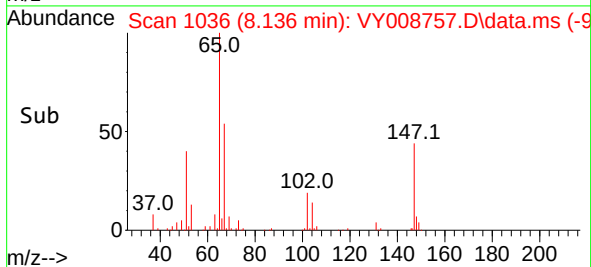
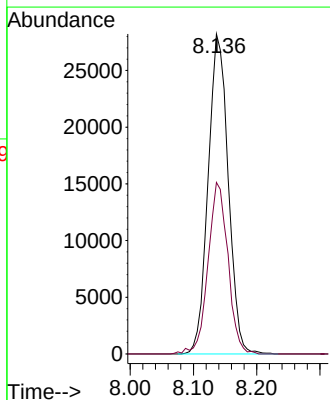
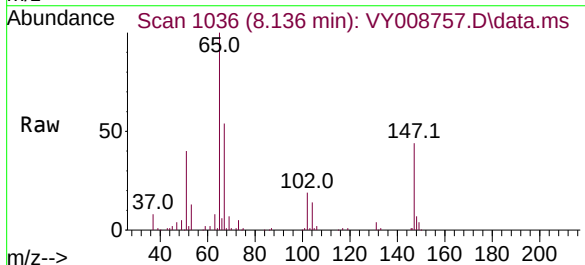
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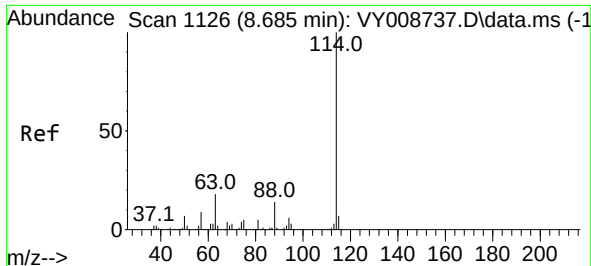
Tgt Ion: 56 Resp: 2391
Ion Ratio Lower Upper
56 100
69 120.5 27.4 41.0#
84 138.5 77.5 116.3#



#33
1,2-Dichloroethane-d4
Concen: 56.177 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 65 Resp: 62237
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.0

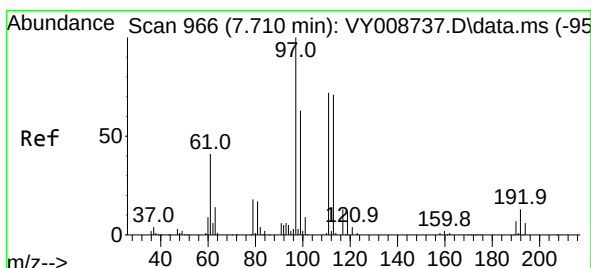
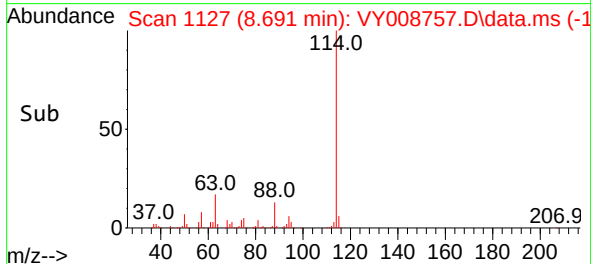
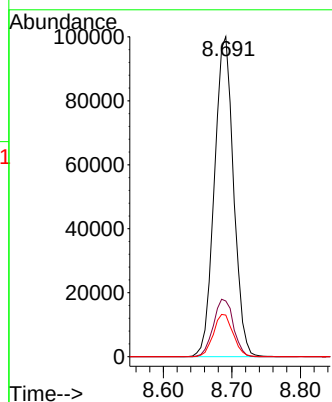
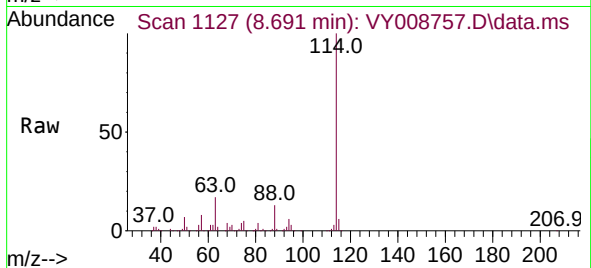




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

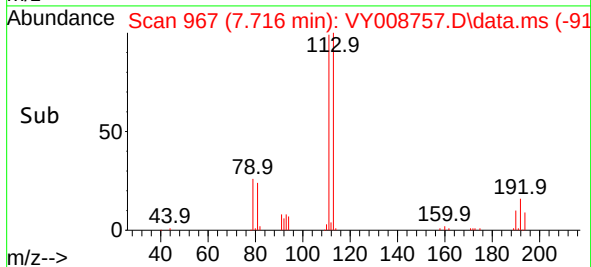
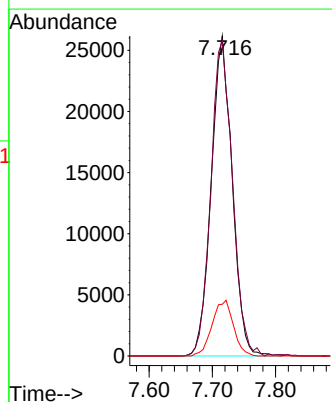
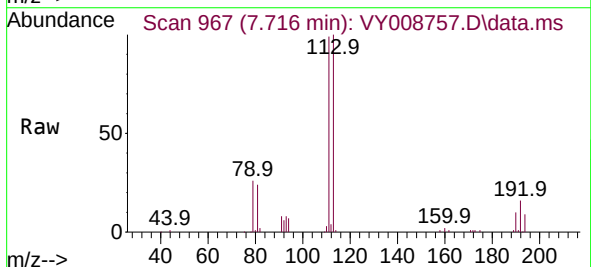
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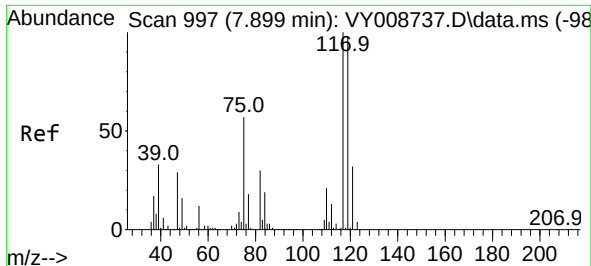
Tgt Ion:114 Resp: 193358
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.4
88 13.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 51.792 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion:113 Resp: 60105
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 17.7 14.5 21.7

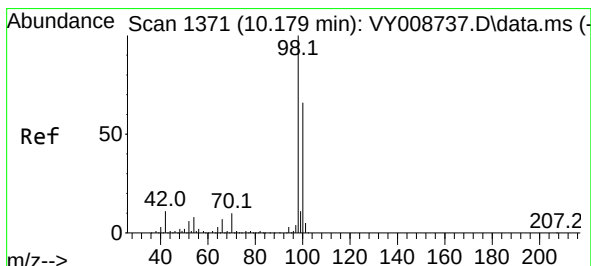
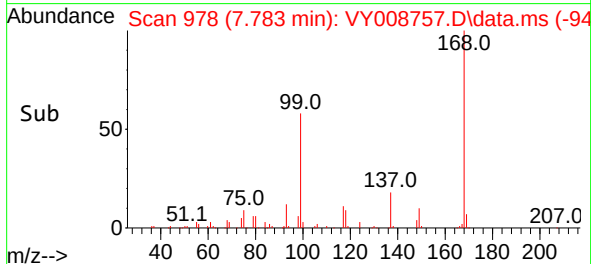
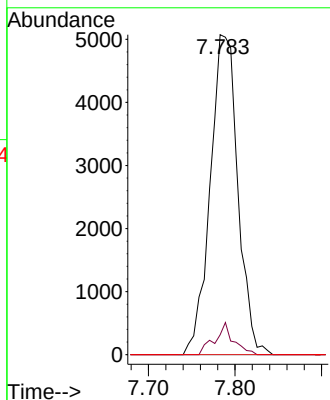
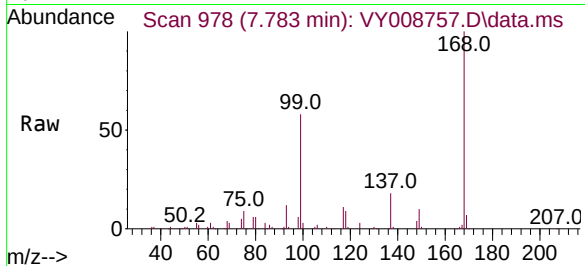




#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

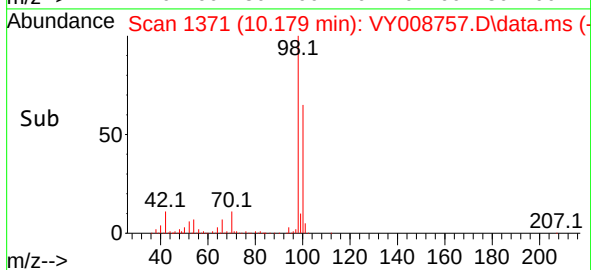
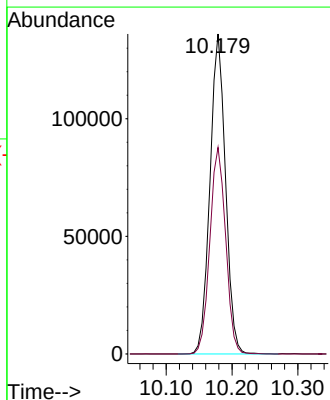
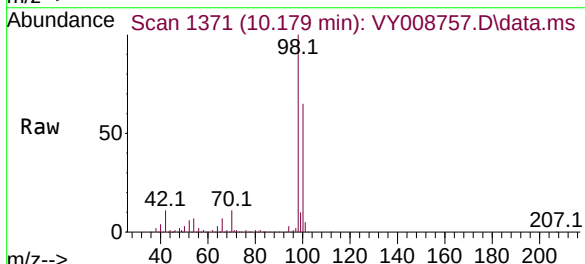
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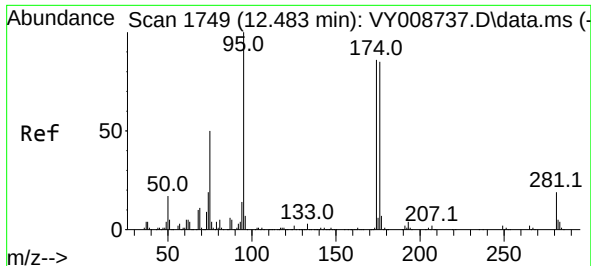
Tgt Ion:117 Resp: 11258
Ion Ratio Lower Upper
117 100
119 6.2 78.5 117.7#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.078 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 98 Resp: 223546
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2

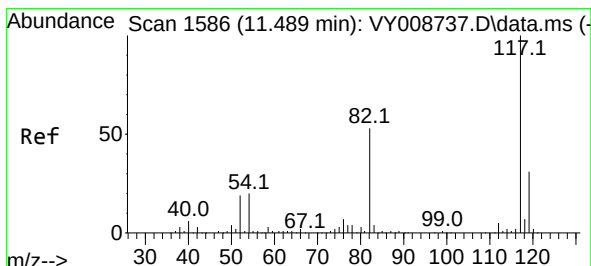
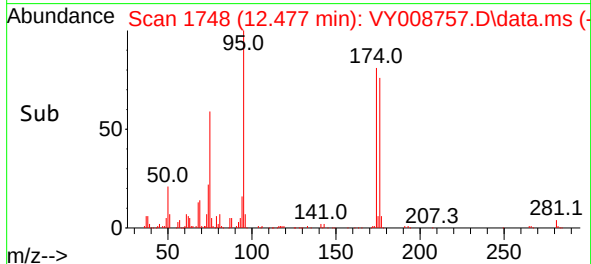
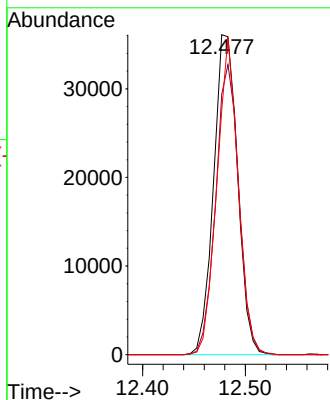
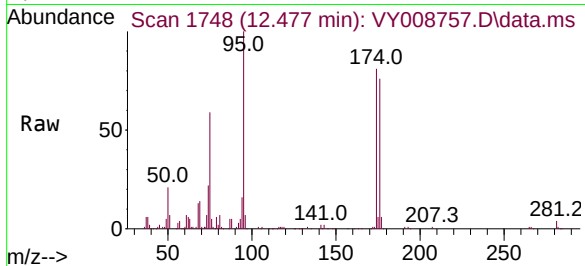




#62
4-Bromofluorobenzene
Concen: 38.630 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

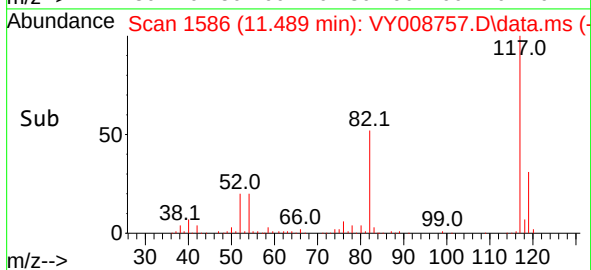
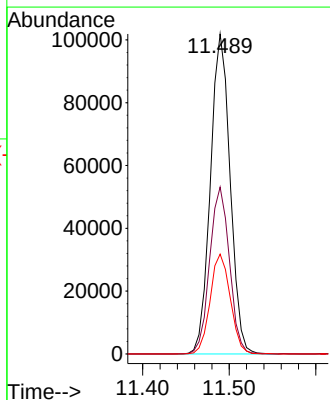
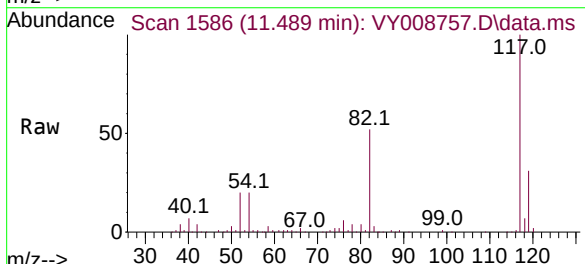
Instrument :
MSVOA_Y
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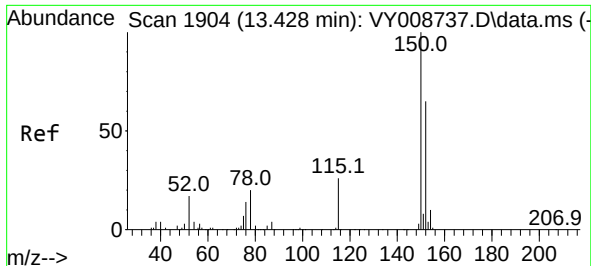
Tgt Ion: 95 Resp: 58577
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.2
176 87.7 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 117 Resp: 161084
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 31.2 24.6 37.0

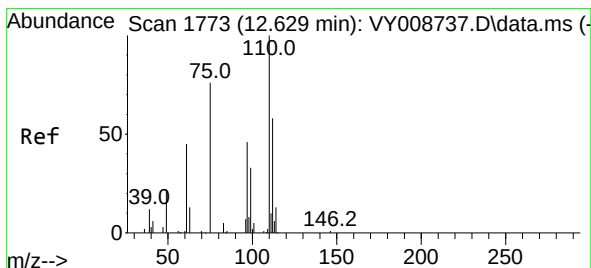
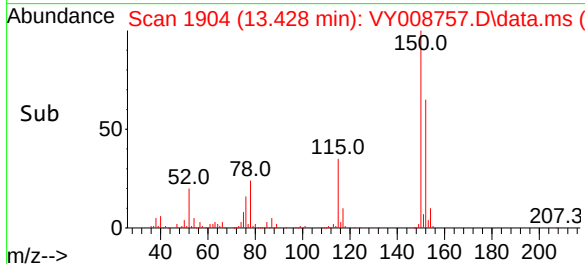
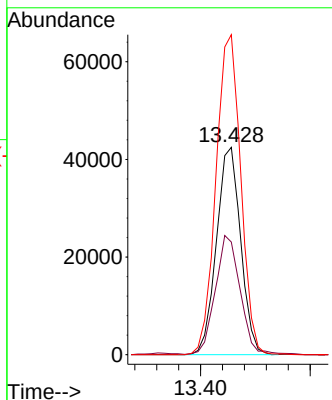
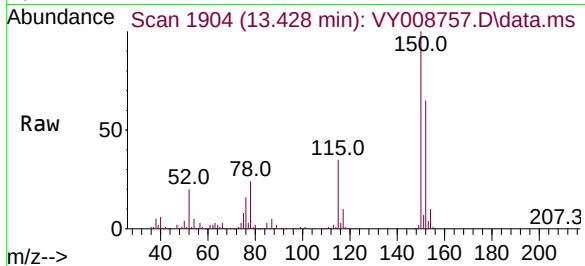




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008757.D
 Acq: 13 May 2022 18:22

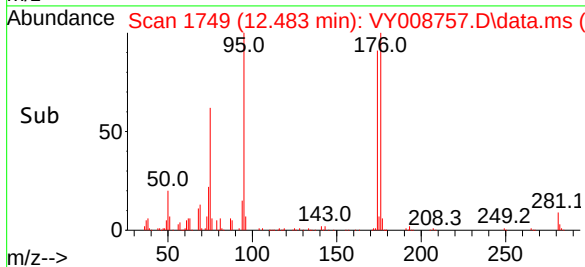
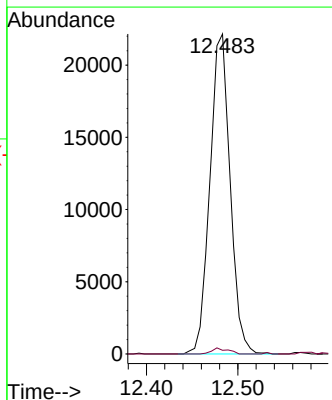
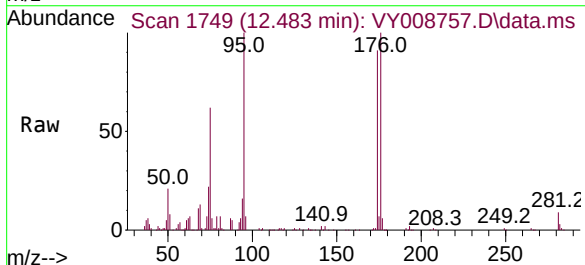
Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-371

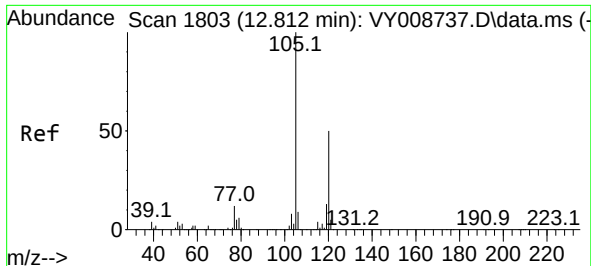
Tgt Ion:152 Resp: 65182
 Ion Ratio Lower Upper
 152 100
 115 59.1 28.2 84.7
 150 157.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 51.894 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008757.D
 Acq: 13 May 2022 18:22

Tgt Ion: 75 Resp: 34038
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

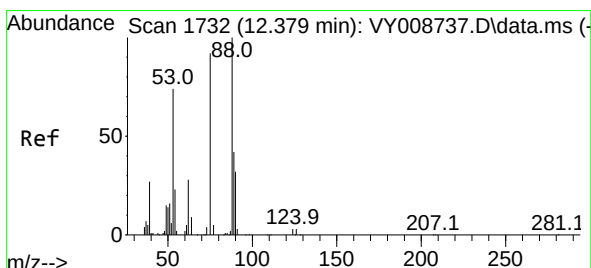
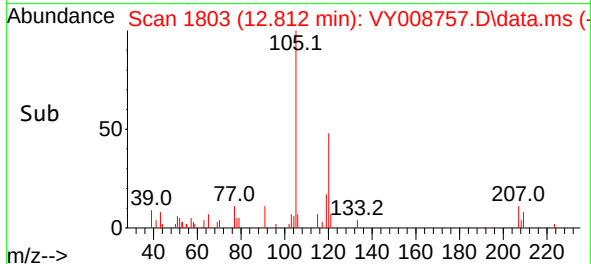
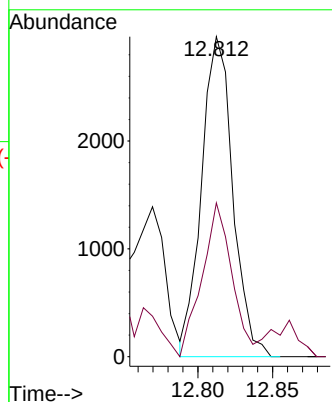
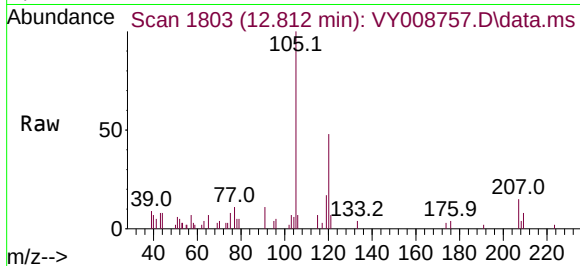




#80
1,3,5-Trimethylbenzene
Concen: 1.071 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

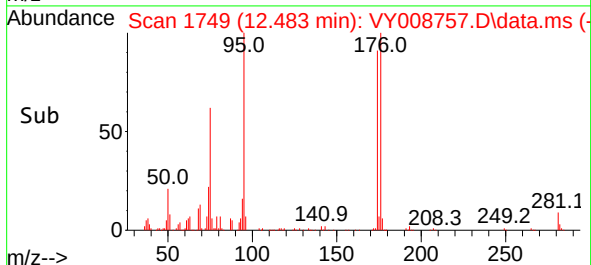
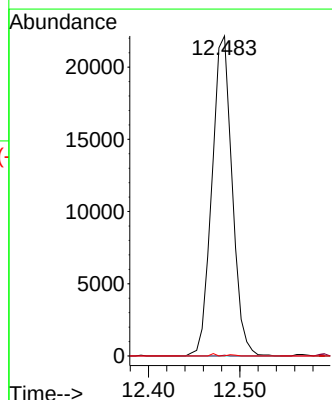
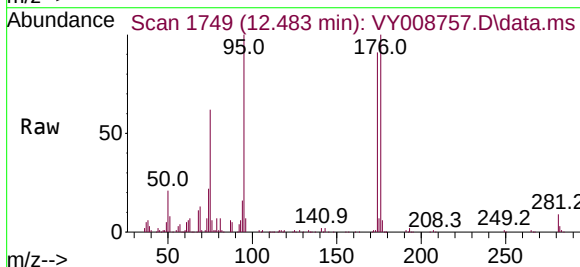
Instrument :
MSVOA_Y
ClientSampleId :
RO-371

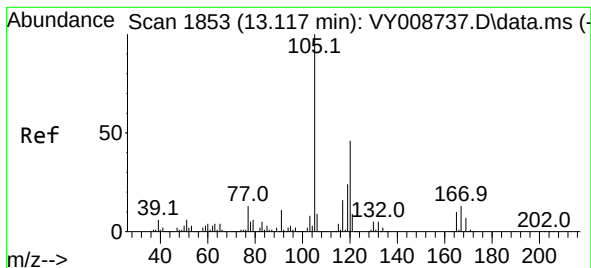
Tgt Ion:105 Resp: 4307
Ion Ratio Lower Upper
105 100
120 45.9 25.1 75.4



#81
trans-1,4-Dichloro-2-butene
Concen: 100.254 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008757.D
Acq: 13 May 2022 18:22

Tgt Ion: 75 Resp: 34038
Ion Ratio Lower Upper
75 100
53 0.1 66.3 99.5#
89 0.2 36.8 55.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.488 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY008757.D

Acq: 13 May 2022 18:22

Instrument :

MSVOA_Y

ClientSampleId :

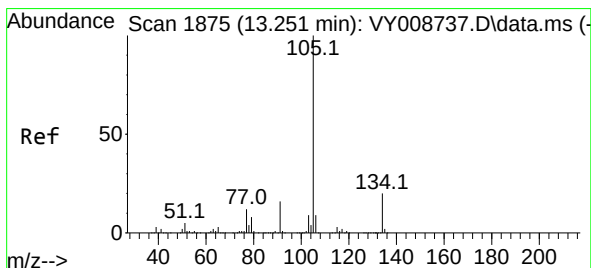
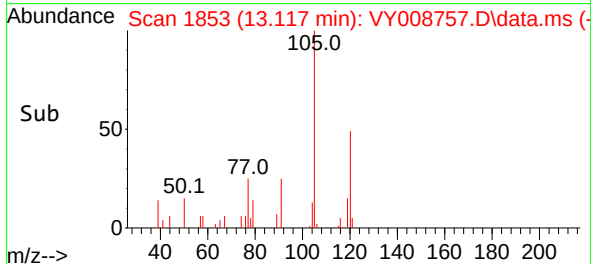
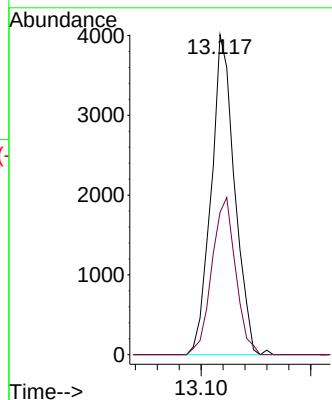
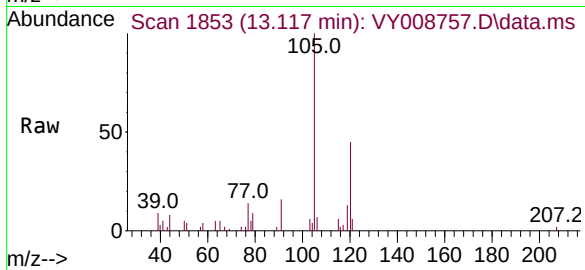
RO-371

Tgt Ion:105 Resp: 5945

Ion Ratio Lower Upper

105 100

120 49.9 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.097 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.134 min

Lab File: VY008757.D

Acq: 13 May 2022 18:22

Tgt Ion:105 Resp: 5945

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#

