

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008397.D
 Acq On : 19 Apr 2022 15:43
 Operator : KP/MD
 Sample : N2427-05
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5

Quant Time: Apr 20 06:29:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

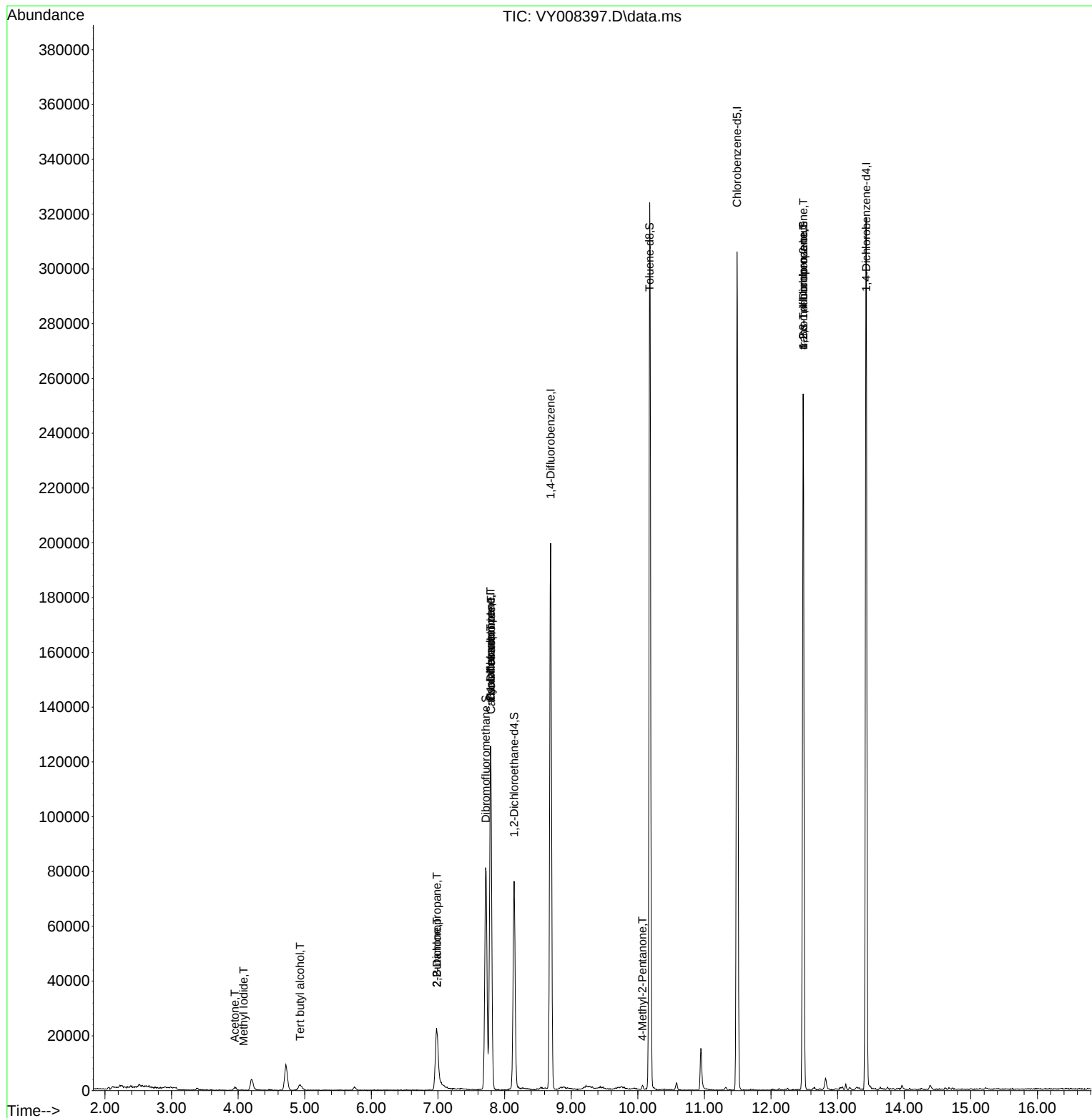
Internal Standards						
1) Pentafluorobenzene	7.789	168	97724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	177166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57165	62.275	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 124.560%		
35) Dibromofluoromethane	7.716	113	56212	54.933	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 109.860%		
50) Toluene-d8	10.179	98	216054	61.704	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 123.400%		
62) 4-Bromofluorobenzene	12.483	95	74002	56.190	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 112.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	213	Below Cal	#	44
5) Bromomethane	2.674	94	216	Below Cal		98
10) Methyl Iodide	4.082	142	25	2.411	ug/l #	35
11) Tert butyl alcohol	4.930	59	2358	24.028	ug/l #	77
16) Acetone	3.948	43	2052	9.294	ug/l	92
18) Methyl Acetate	4.478	43	227	Below Cal	#	56
20) Methylene Chloride	4.716	84	7337	Below Cal	#	72
25) 2-Butanone	6.984	43	1327	3.844	ug/l #	54
26) 2,2-Dichloropropane	6.984	77	1777	1.013	ug/l #	55
31) Cyclohexane	7.789	56	2000	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8373	5.124	ug/l #	49
38) Carbon Tetrachloride	7.795	117	9807	5.579	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	955	1.183	ug/l #	82
76) 1,2,3-Trichloropropane	12.483	75	39732	45.340	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39732	101.446	ug/l #	7

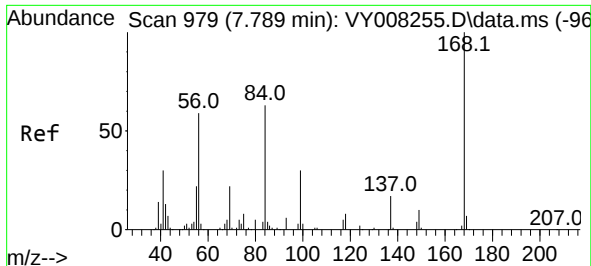
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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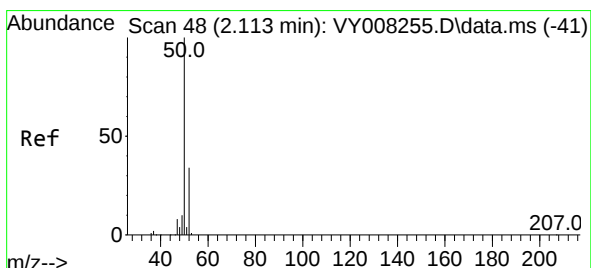
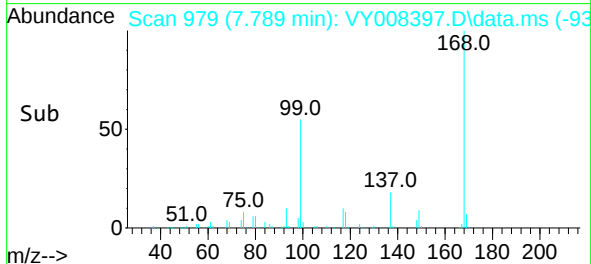
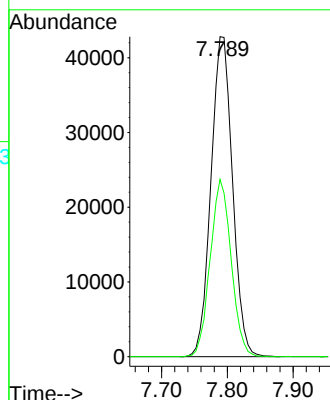
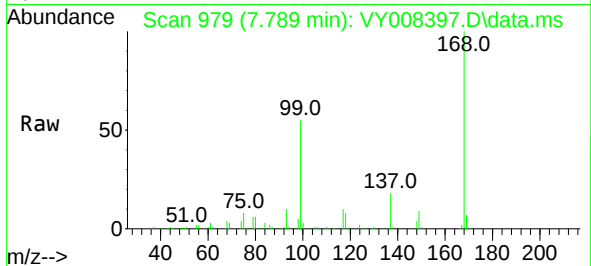




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

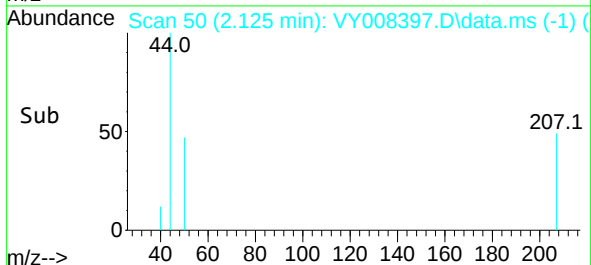
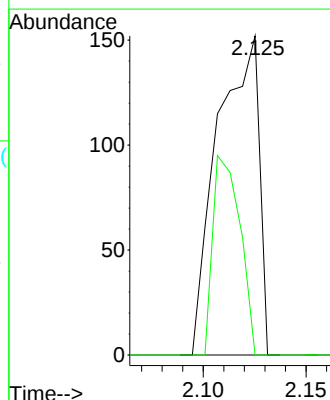
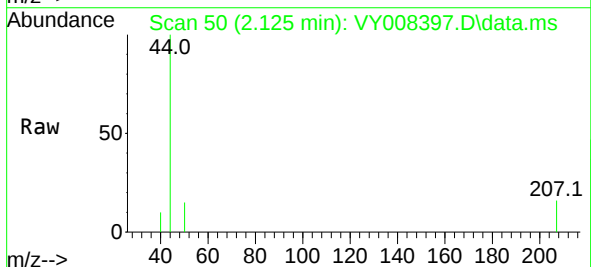
Instrument :
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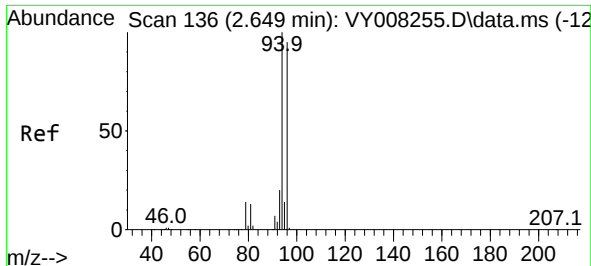
Tgt Ion:168 Resp: 97724
Ion Ratio Lower Upper
168 100
99 55.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 50 Resp: 213
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

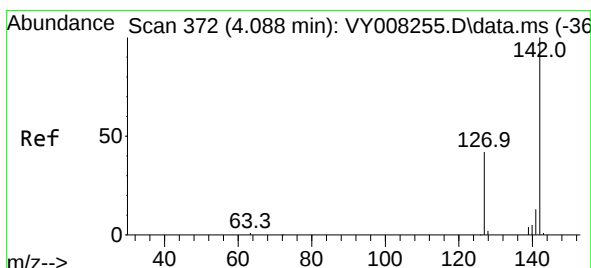
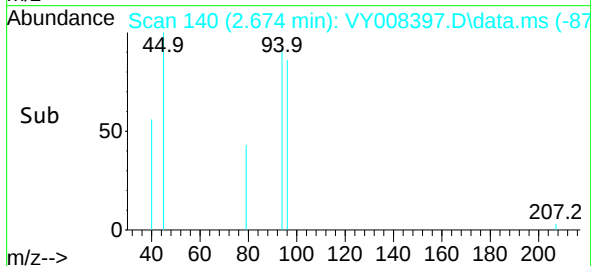
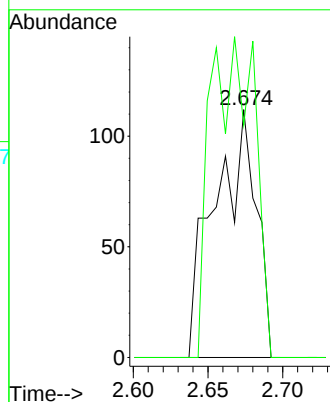
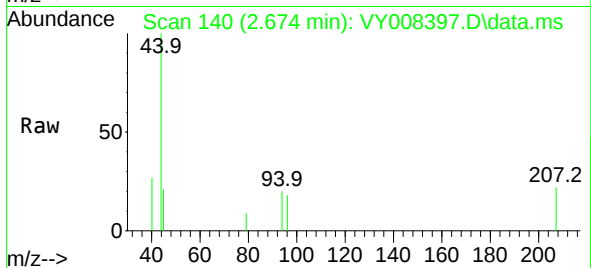




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

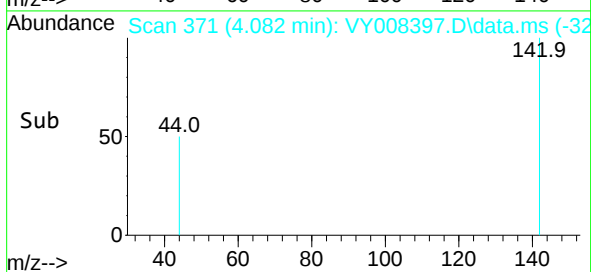
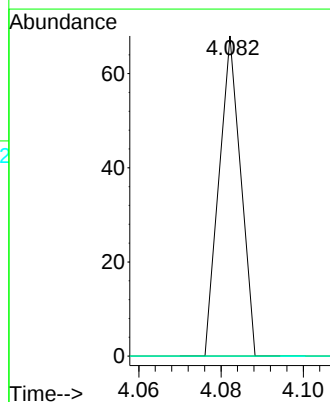
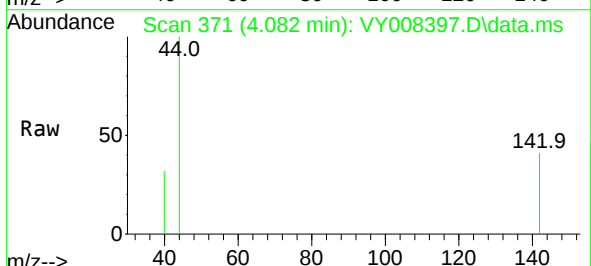
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

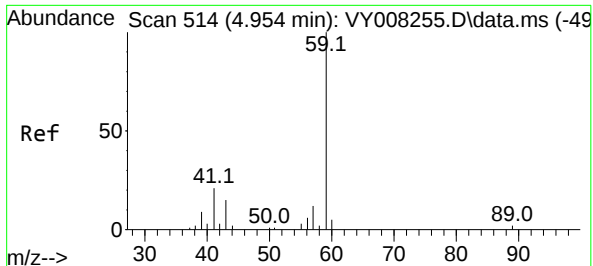
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 93.8 73.5 110.3



#10
Methyl Iodide
Concen: 2.411 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 24.028 ug/l

RT: 4.930 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY008397.D

Acq: 19 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

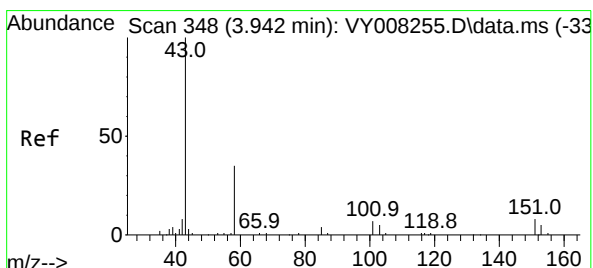
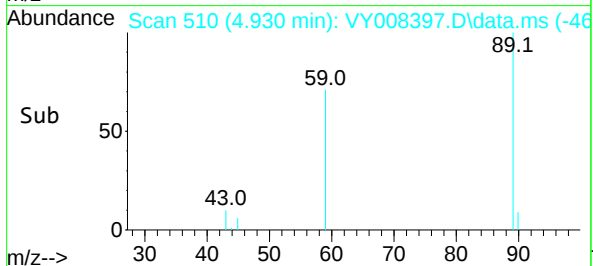
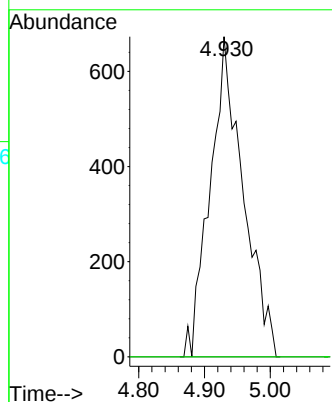
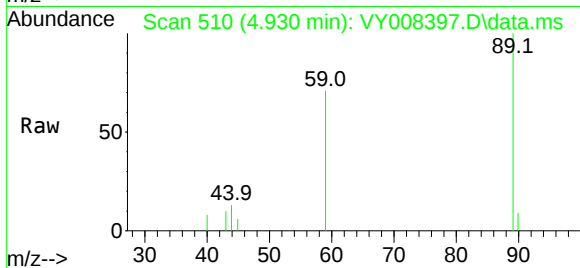
SB-5

Tgt Ion: 59 Resp: 2358

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.294 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY008397.D

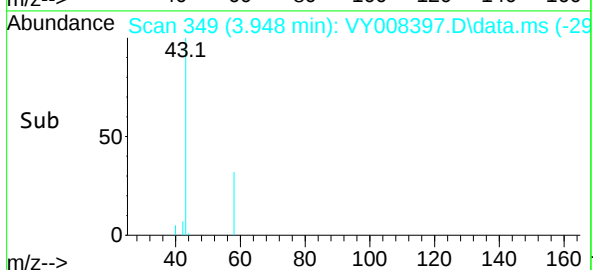
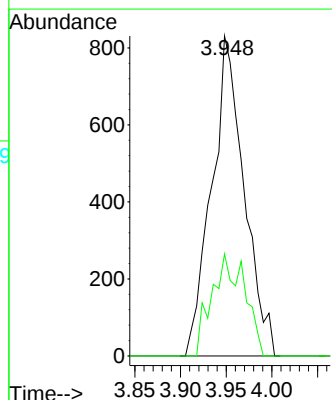
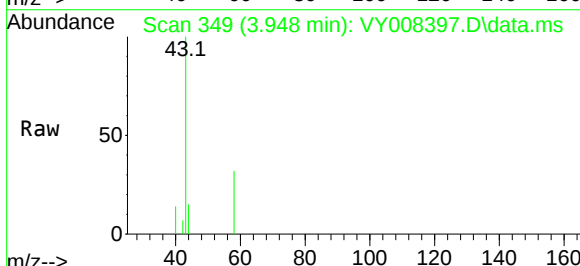
Acq: 19 Apr 2022 15:43

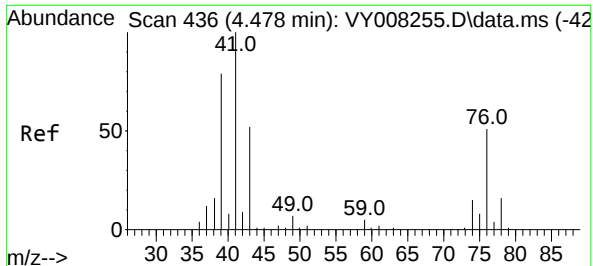
Tgt Ion: 43 Resp: 2052

Ion Ratio Lower Upper

43 100

58 31.9 22.0 33.0

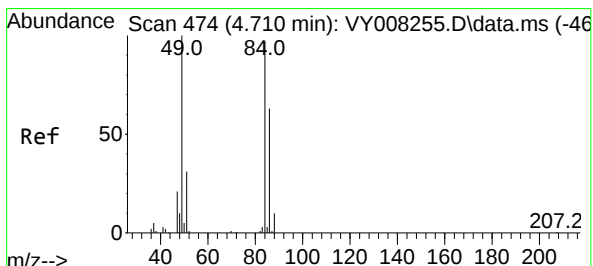
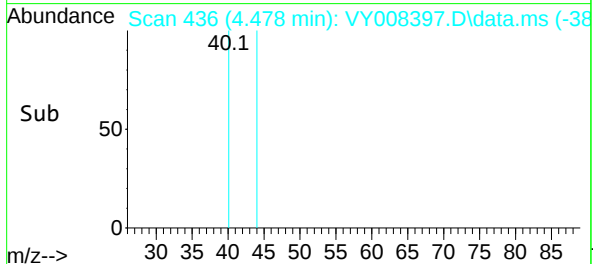
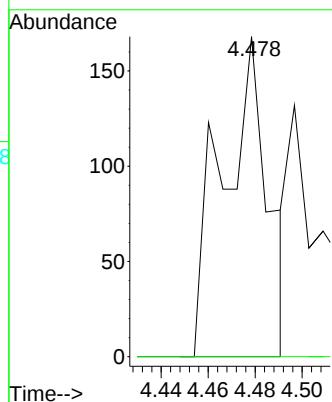
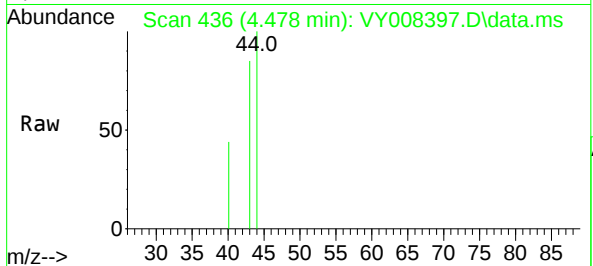




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

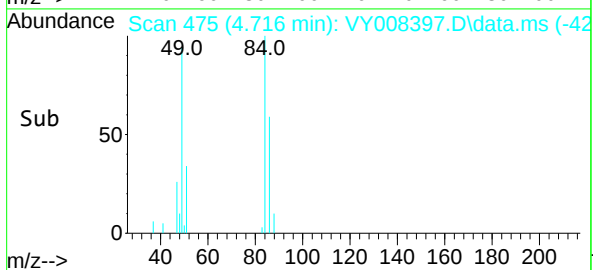
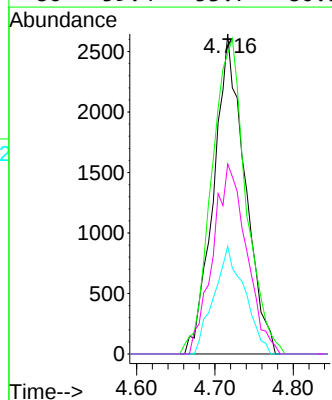
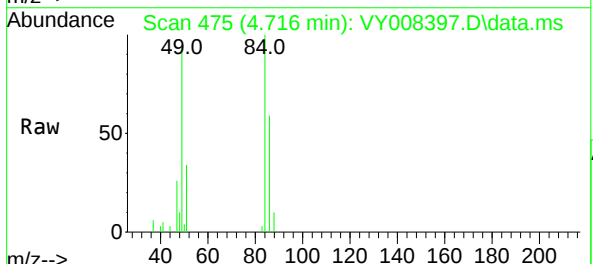
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

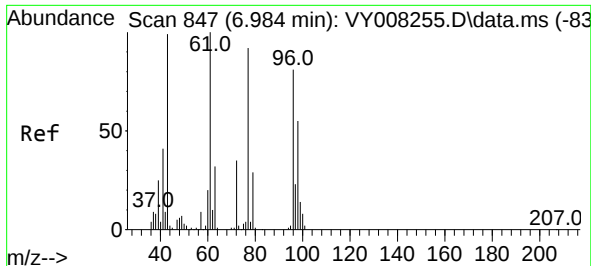
Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 84 Resp: 7337
Ion Ratio Lower Upper
84 100
49 93.8 114.4 171.6#
51 33.6 35.3 52.9#
86 59.4 53.7 80.5





#25

2-Butanone

Concen: 3.844 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008397.D

Acq: 19 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

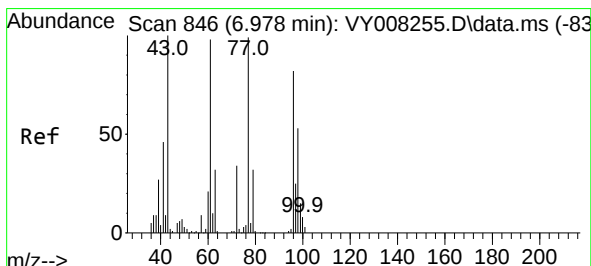
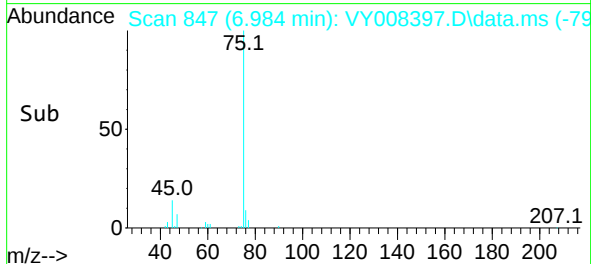
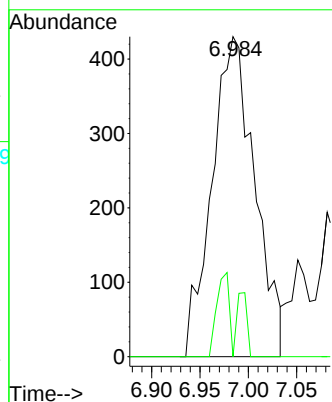
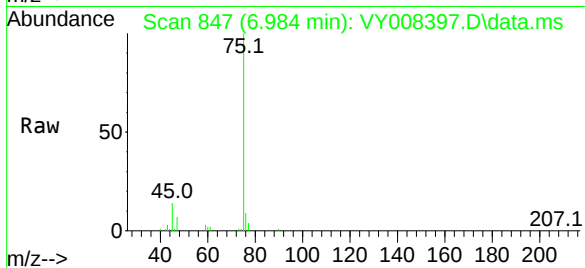
SB-5

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.013 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY008397.D

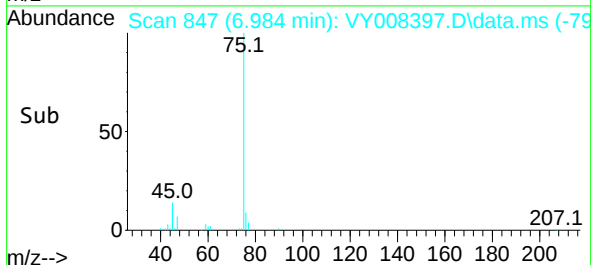
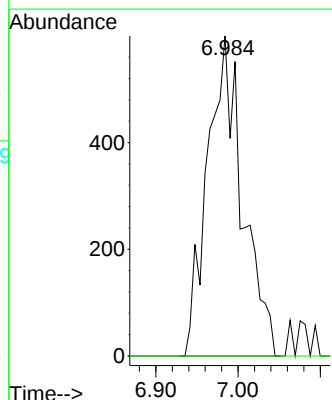
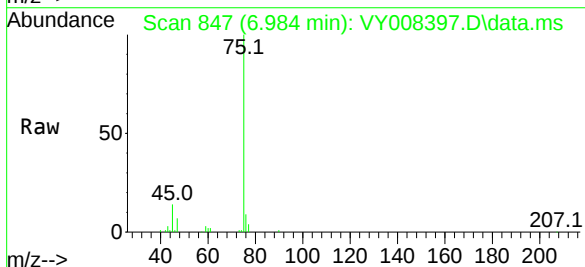
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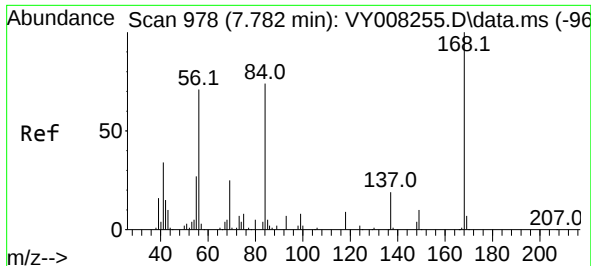
Tgt Ion: 77 Resp: 1777

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

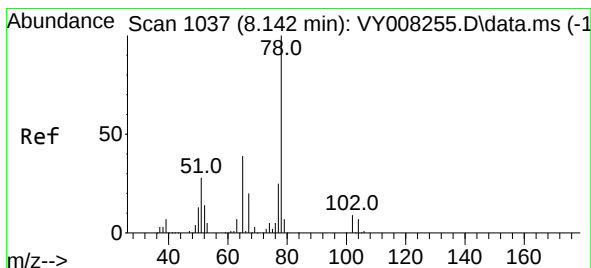
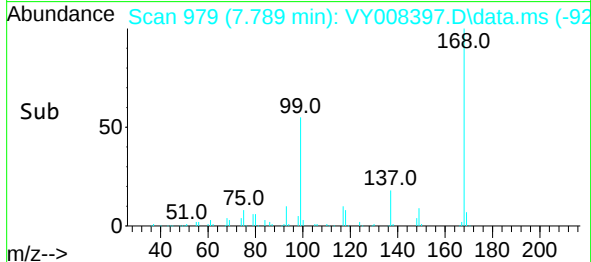
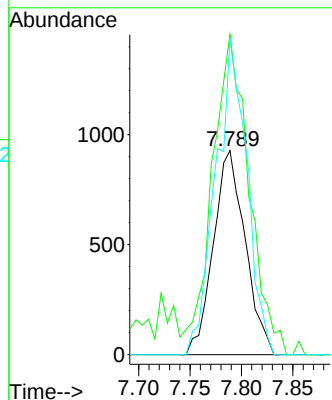
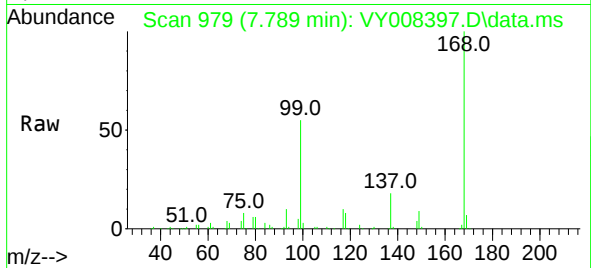




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

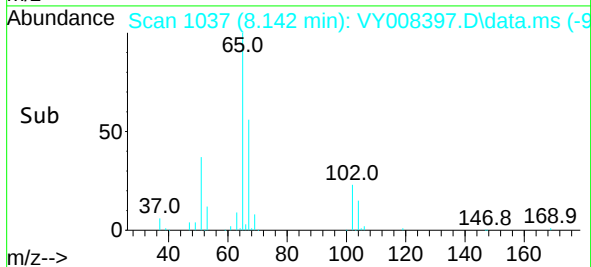
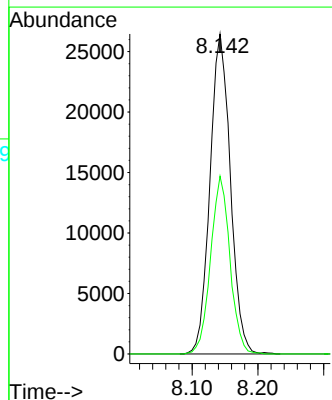
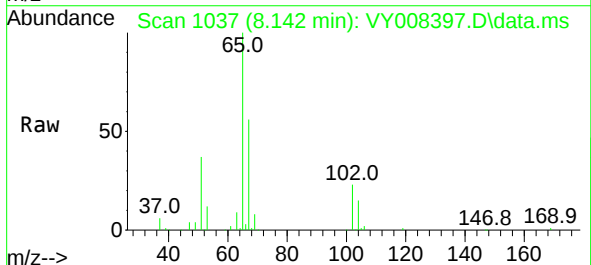
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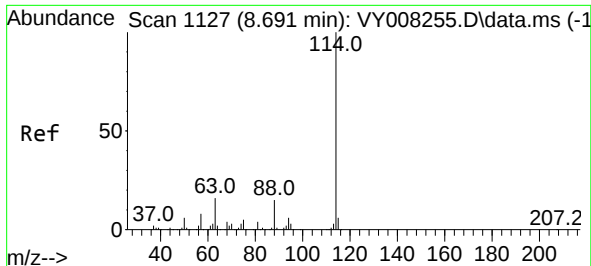
Tgt Ion: 56 Resp: 2000
Ion Ratio Lower Upper
56 100
69 148.2 26.7 40.1#
84 155.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.275 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 65 Resp: 57165
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4

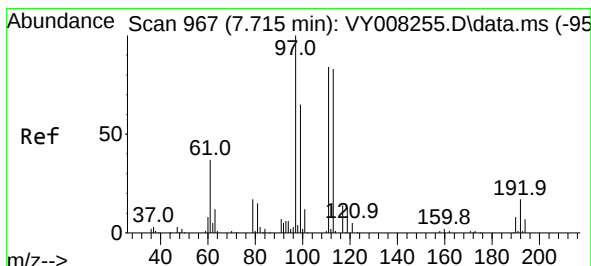
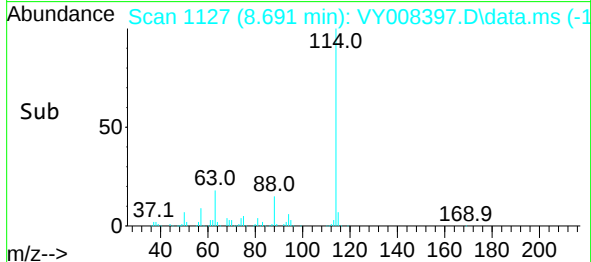
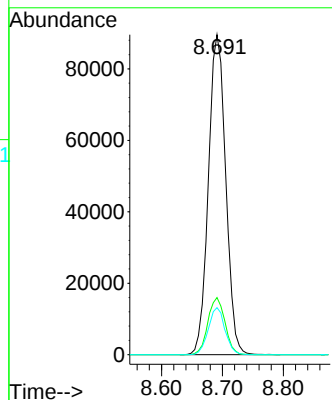
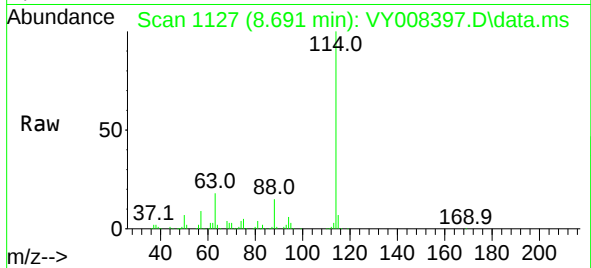




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008397.D
 Acq: 19 Apr 2022 15:43

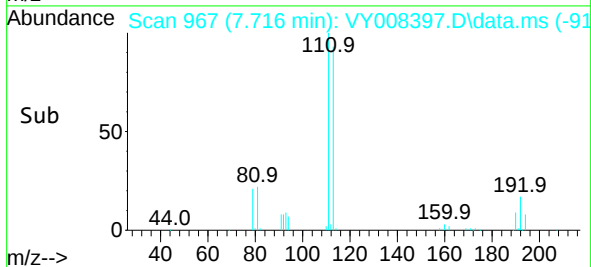
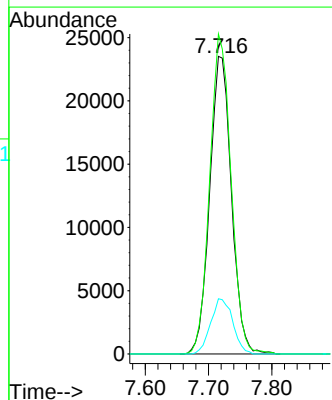
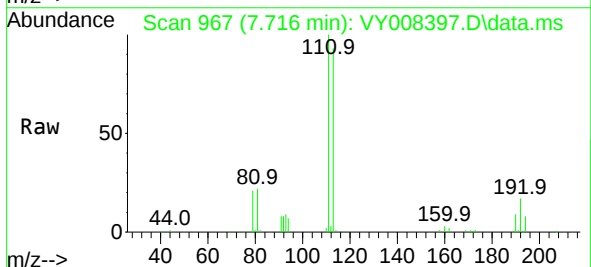
Instrument :
 MSVOA_Y
 ClientSampleId :
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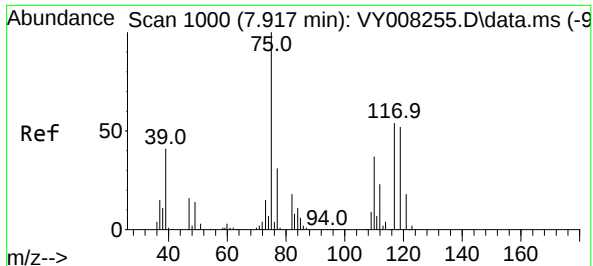
Tgt Ion:	114	Resp:	177166
Ion Ratio	Lower	Upper	
114	100		
63	17.8	0.0	43.2
88	14.7	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 54.933 ug/l
 RT: 7.716 min Scan# 967
 Delta R.T. 0.001 min
 Lab File: VY008397.D
 Acq: 19 Apr 2022 15:43

Tgt Ion:	113	Resp:	56212
Ion Ratio	Lower	Upper	
113	100		
111	105.4	82.6	124.0
192	18.8	17.6	26.4

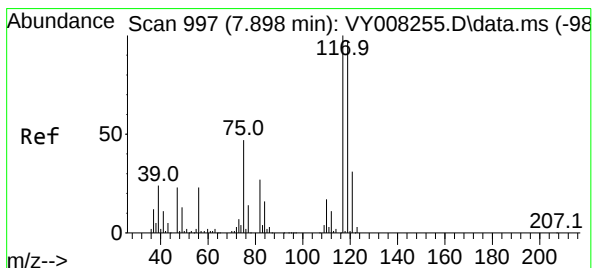
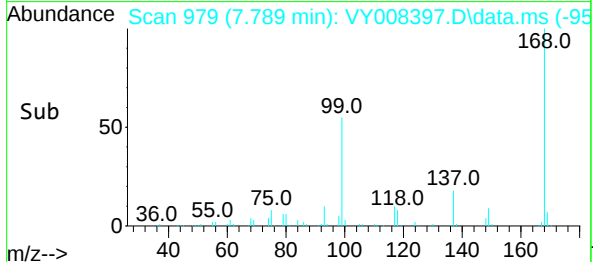
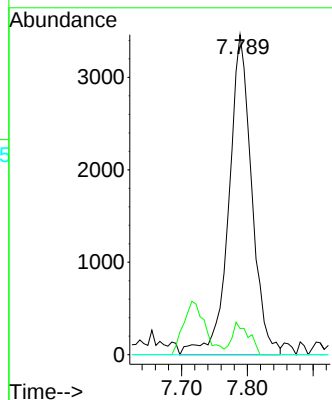
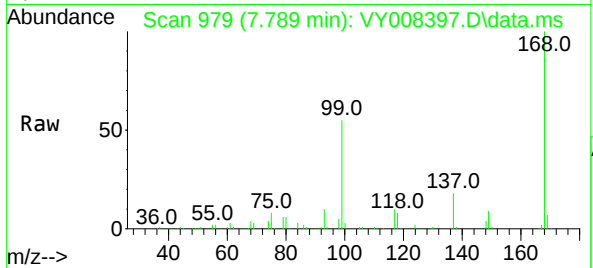




#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

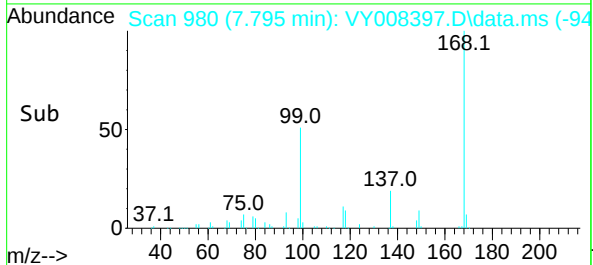
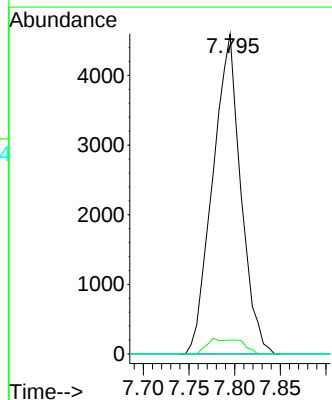
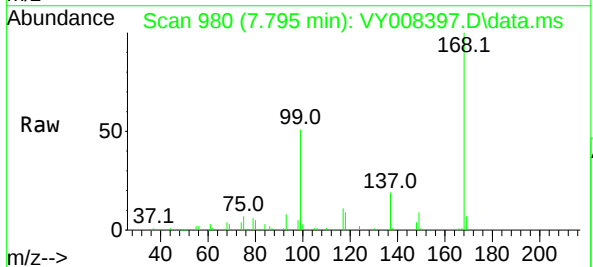
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

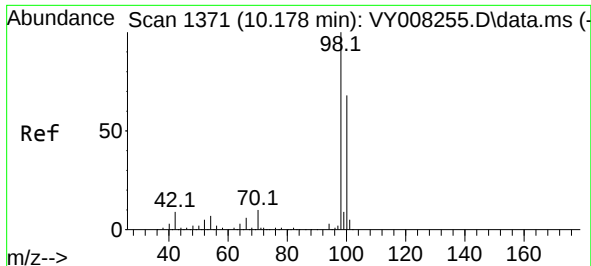
Tgt Ion: 75 Resp: 8373
Ion Ratio Lower Upper
75 100
110 7.4 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.579 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 117 Resp: 9807
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#

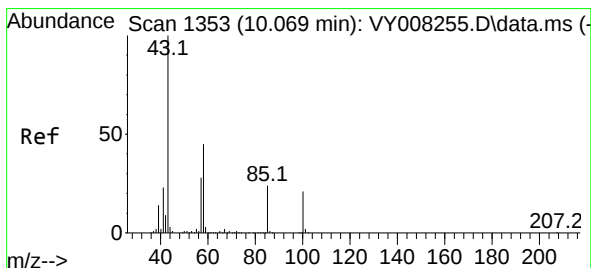
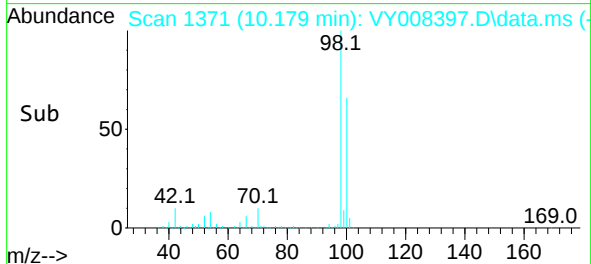
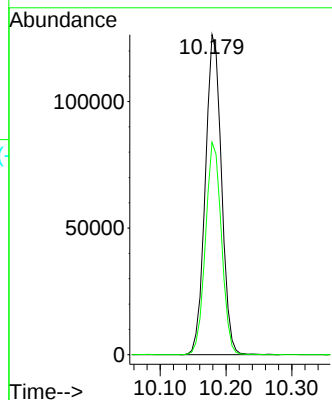
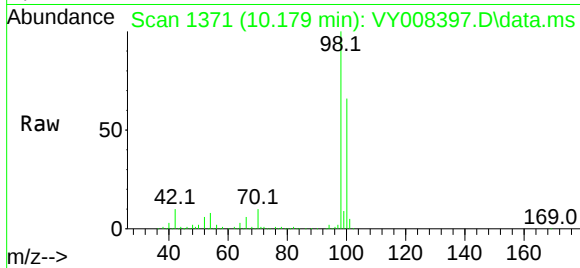




#50
Toluene-d8
Concen: 61.704 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

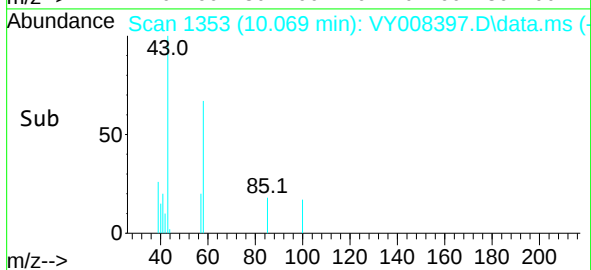
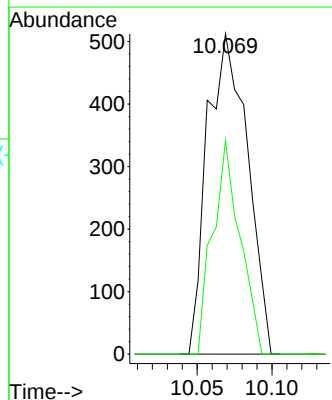
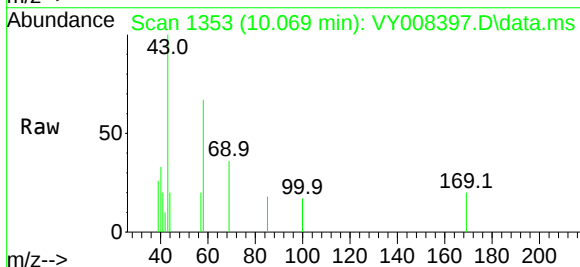
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

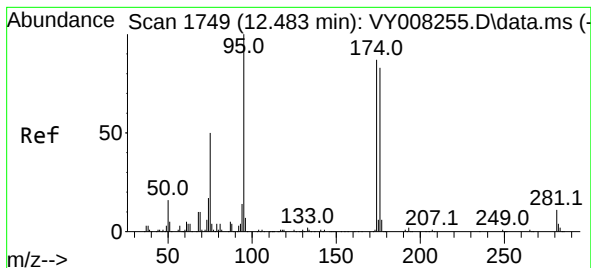
Tgt Ion: 98 Resp: 216054
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.183 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
58 45.5 28.1 42.1#

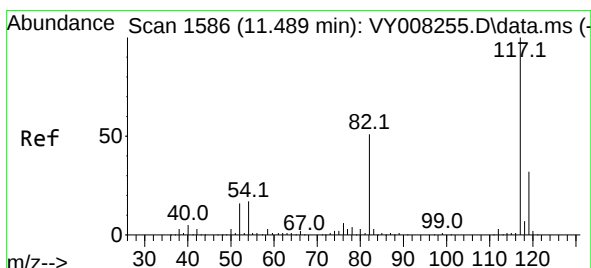
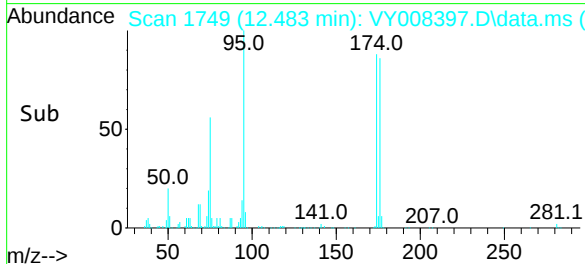
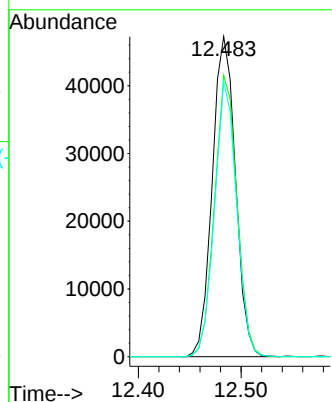
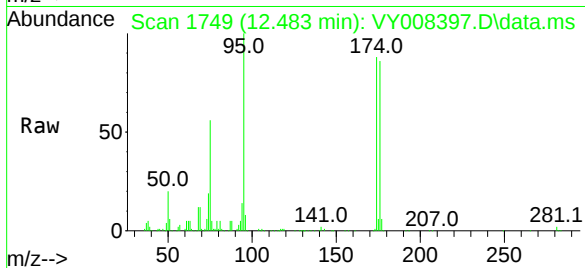




#62
4-Bromofluorobenzene
Concen: 56.190 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

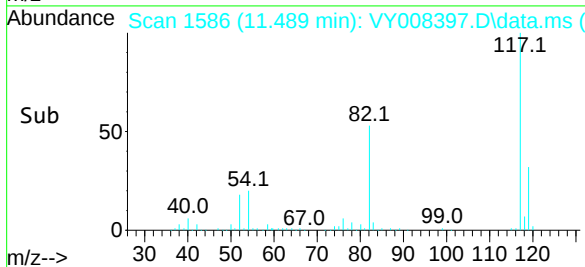
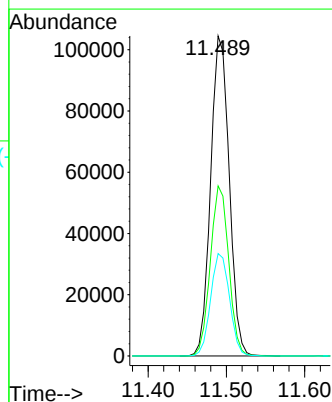
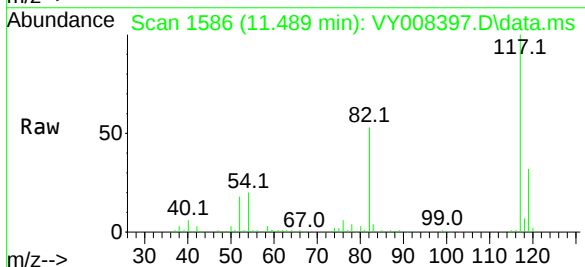
Instrument :
MSVOA_Y
ClientSampleId :
SB-5

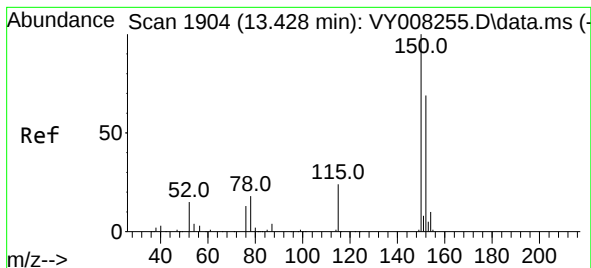
Tgt Ion: 95 Resp: 74002
Ion Ratio Lower Upper
95 100
174 85.3 0.0 177.0
176 81.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008397.D
Acq: 19 Apr 2022 15:43

Tgt Ion: 117 Resp: 172061
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.0 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: VY008397.D

Acq: 19 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

SB-5

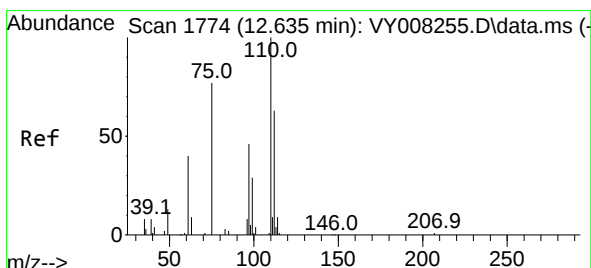
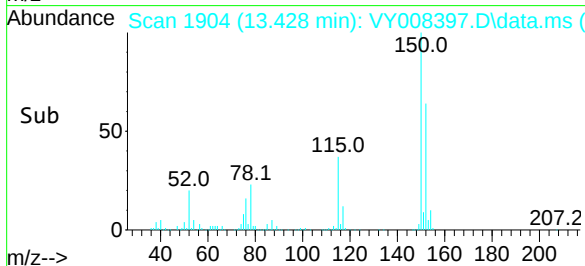
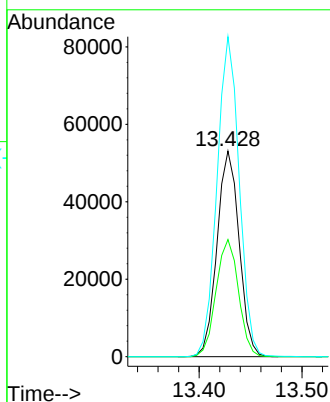
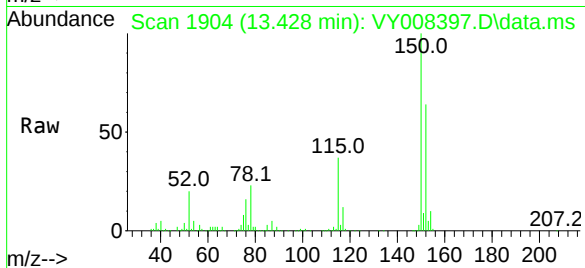
Tgt Ion:152 Resp: 79235

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 156.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.340 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008397.D

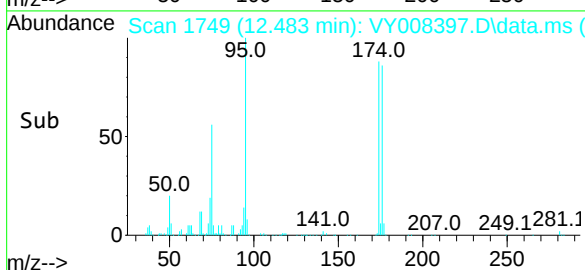
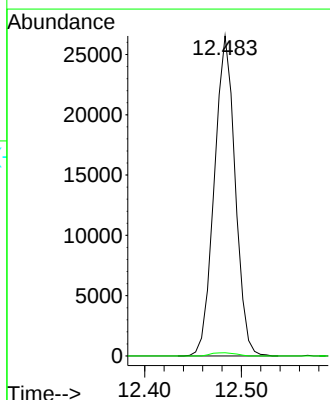
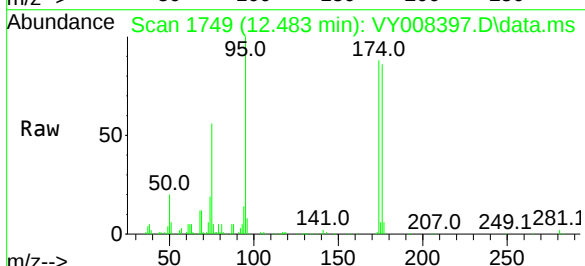
Acq: 19 Apr 2022 15:43

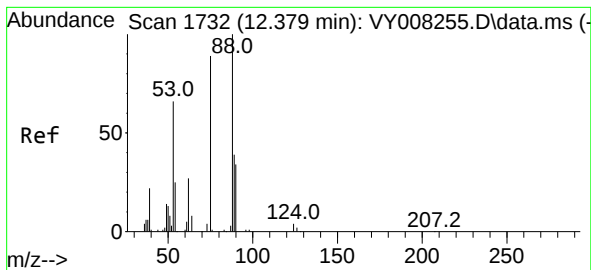
Tgt Ion: 75 Resp: 39732

Ion Ratio Lower Upper

75 100

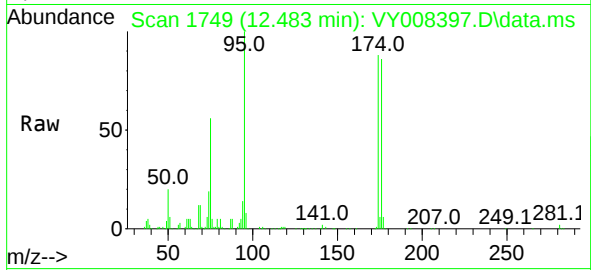
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.446 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008397.D
 Acq: 19 Apr 2022 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5



Tgt Ion: 75 Resp: 39732
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

