

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008396.D
 Acq On : 19 Apr 2022 15:20
 Operator : KP/MD
 Sample : N2427-03
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3

Quant Time: Apr 20 06:29:02 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)

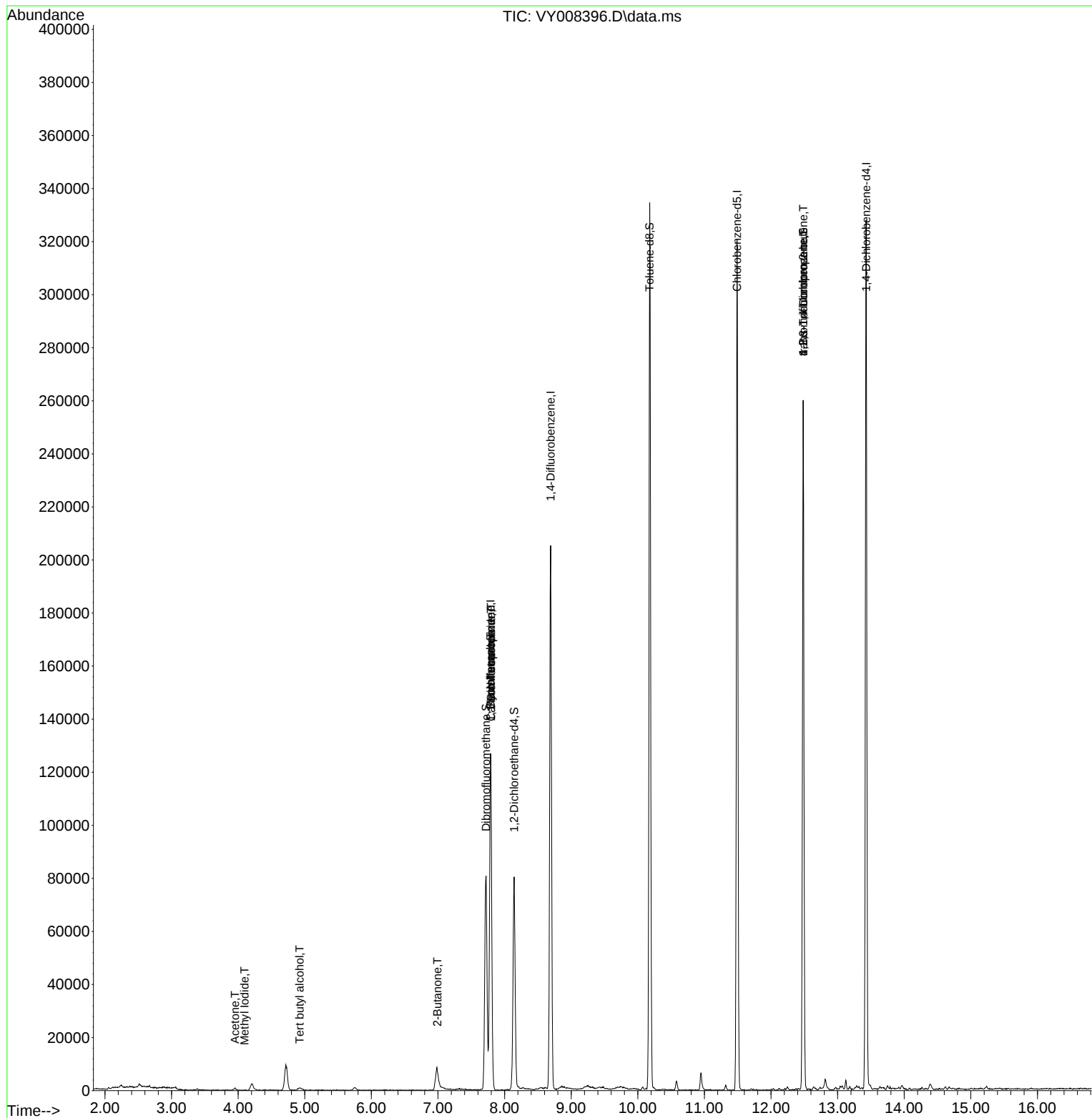
Internal Standards						
1) Pentafluorobenzene	7.789	168	99240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	176797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58207	62.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.880%
35) Dibromofluoromethane	7.722	113	58030	55.811	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.620%
50) Toluene-d8	10.179	98	219343	61.650	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	123.300%
62) 4-Bromofluorobenzene	12.483	95	75673	56.548	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	153	Below Cal	#	44
5) Bromomethane	2.668	94	219	Below Cal		93
10) Methyl Iodide	4.094	142	84	2.457	ug/l #	35
11) Tert butyl alcohol	4.923	59	692	6.944	ug/l #	77
16) Acetone	3.954	43	1171	5.223	ug/l #	85
18) Methyl Acetate	4.485	43	279	Below Cal	#	56
20) Methylene Chloride	4.722	84	7481	Below Cal	#	72
25) 2-Butanone	6.990	43	467	1.332	ug/l #	54
31) Cyclohexane	7.789	56	2204	1.307	ug/l #	20
36) 1,1-Dichloropropene	7.795	75	8262	4.976	ug/l #	49
38) Carbon Tetrachloride	7.795	117	10009	5.603	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	40480	44.946	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40480	100.565	ug/l #	7

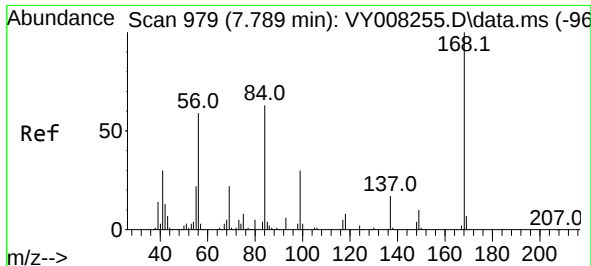
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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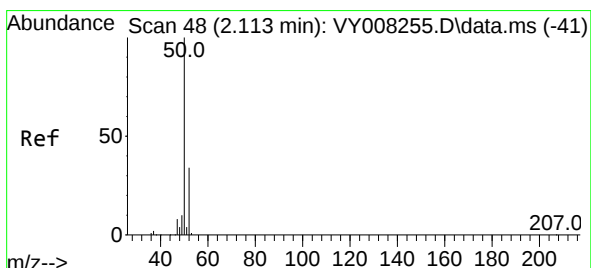
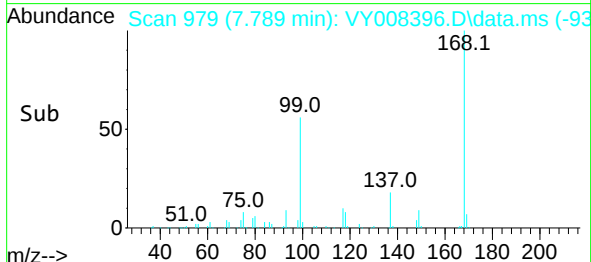
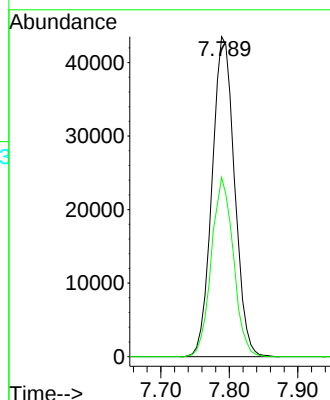
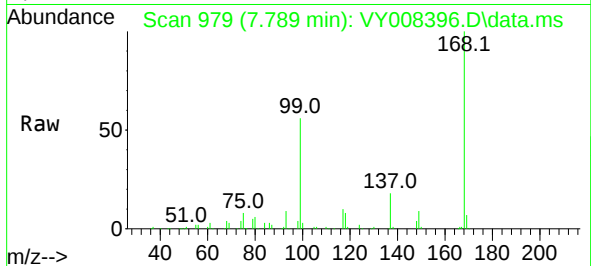




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

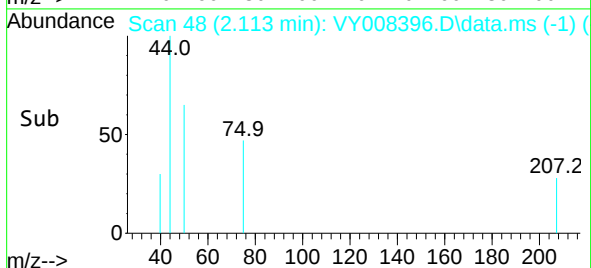
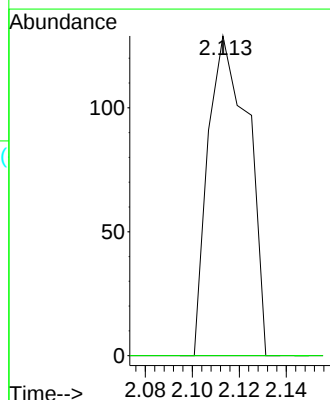
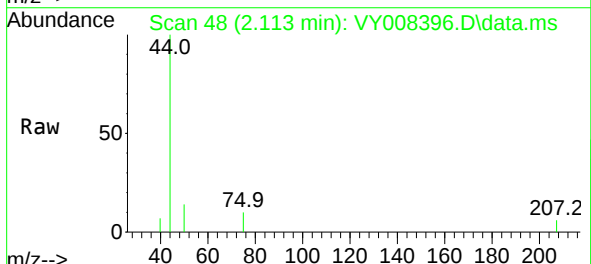
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

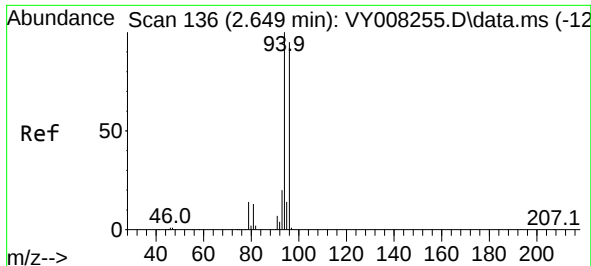
Tgt Ion:168 Resp: 99240
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

Tgt Ion: 50 Resp: 153
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#





#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY008396.D

Acq: 19 Apr 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

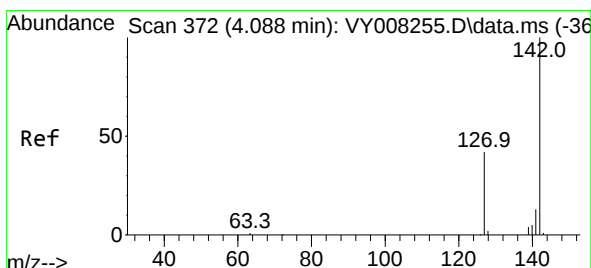
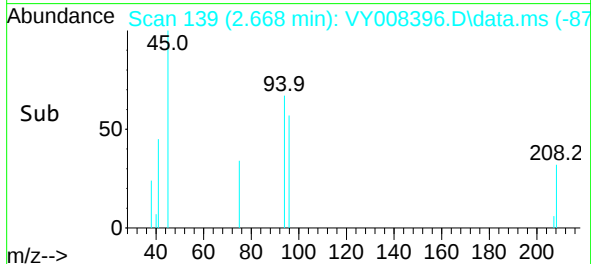
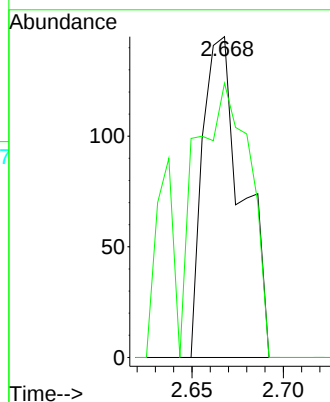
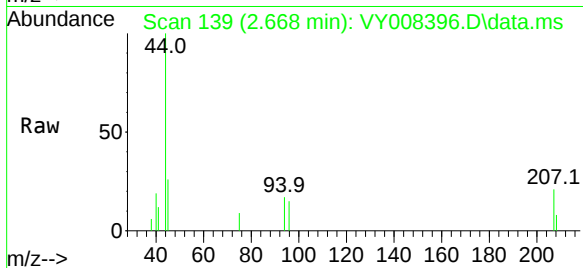
SB-3

Tgt Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 85.5 73.5 110.3



#10

Methyl Iodide

Concen: 2.457 ug/l

RT: 4.094 min Scan# 373

Delta R.T. 0.006 min

Lab File: VY008396.D

Acq: 19 Apr 2022 15:20

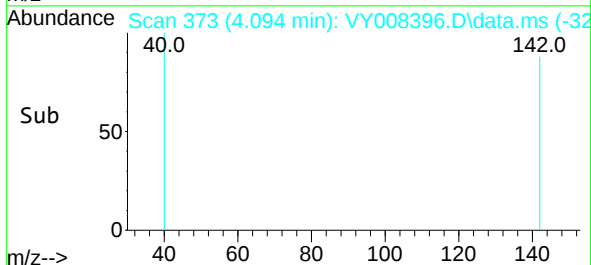
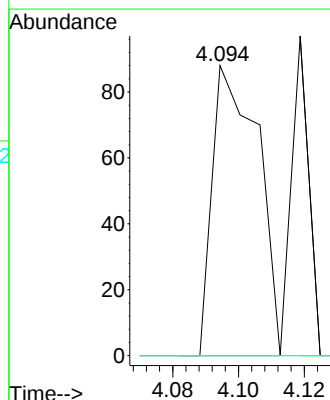
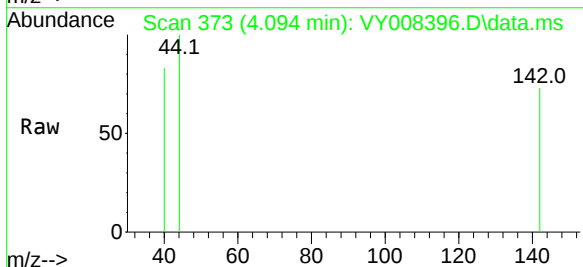
Tgt Ion: 142 Resp: 84

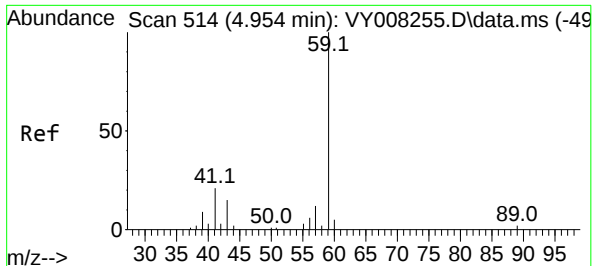
Ion Ratio Lower Upper

142 100

127 0.0 41.5 62.3#

141 0.0 11.9 17.9#

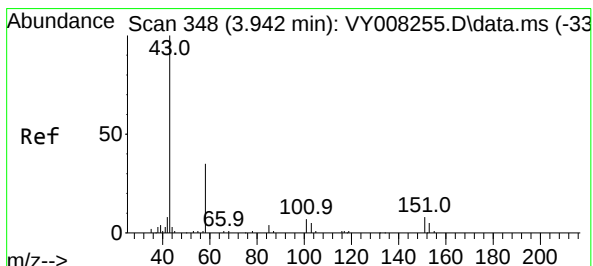
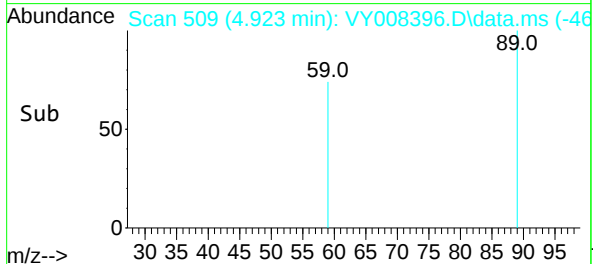
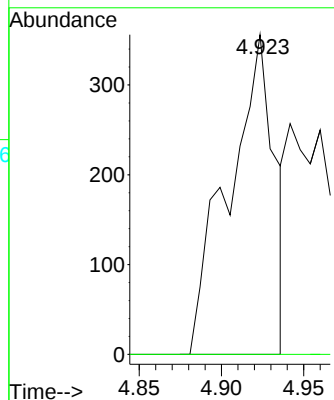
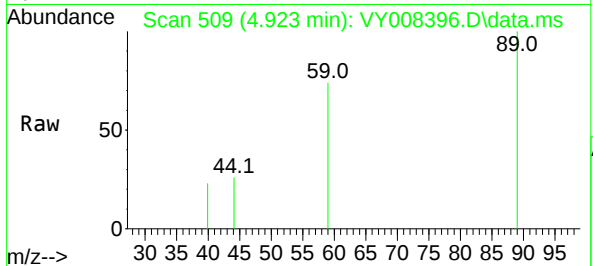




#11
Tert butyl alcohol
Concen: 6.944 ug/l
RT: 4.923 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

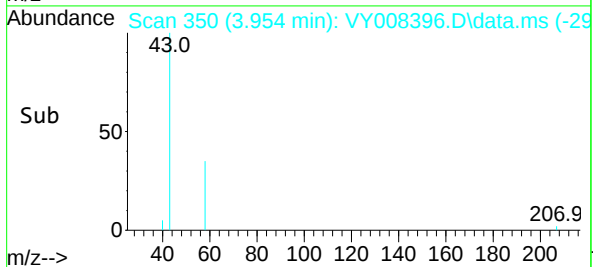
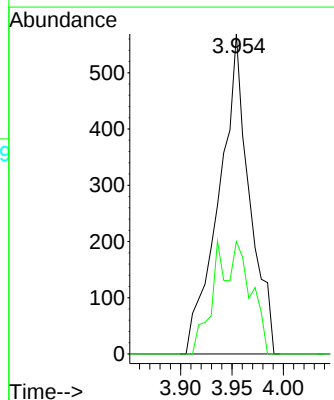
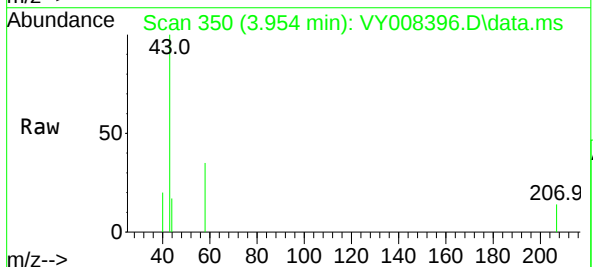
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

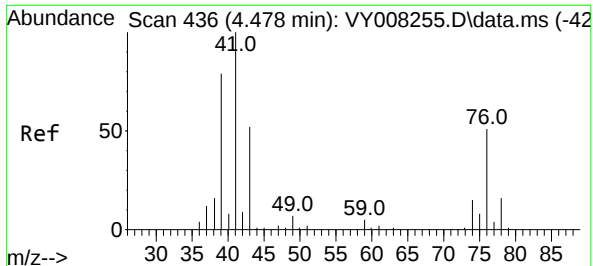
Tgt Ion: 59 Resp: 692
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.223 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 35.1 22.0 33.0#

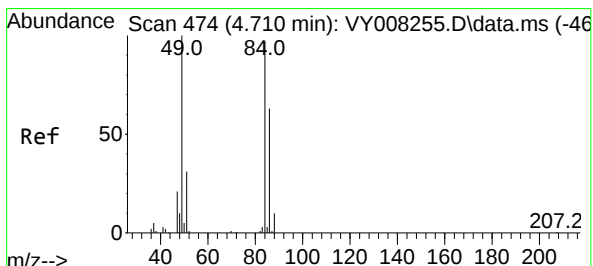
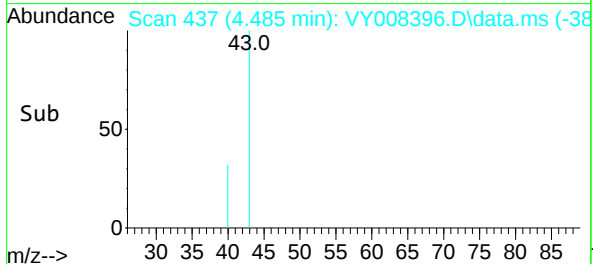
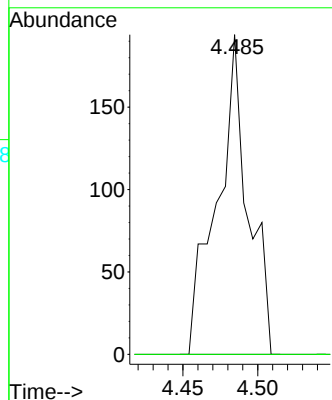
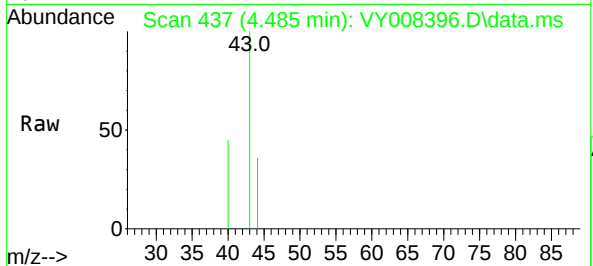




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

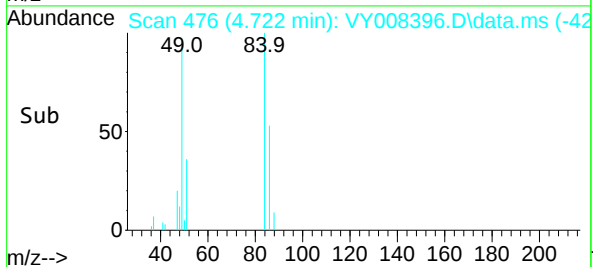
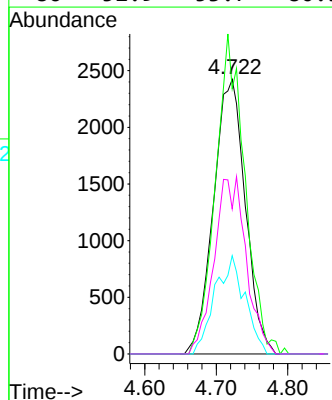
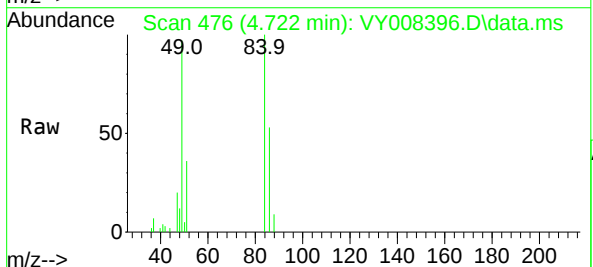
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

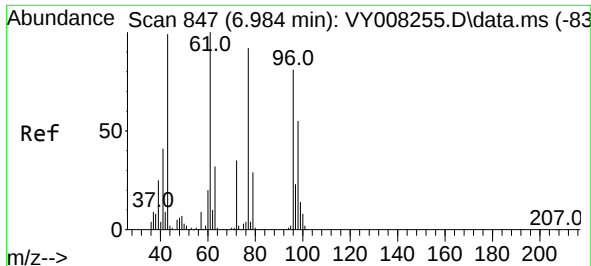
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

Tgt Ion: 84 Resp: 7481
Ion Ratio Lower Upper
84 100
49 96.6 114.4 171.6#
51 35.8 35.3 52.9
86 52.9 53.7 80.5#

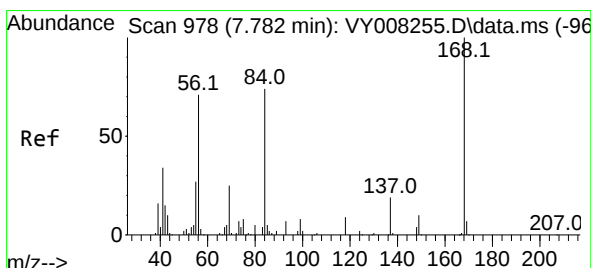
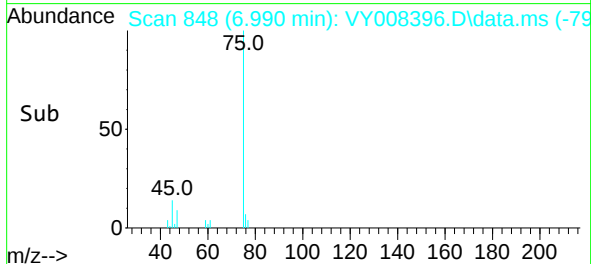
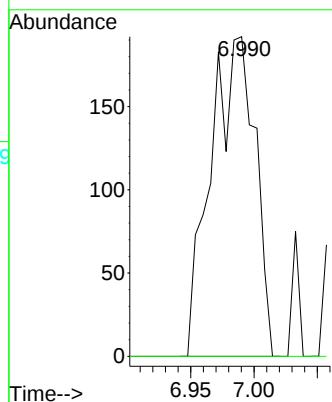
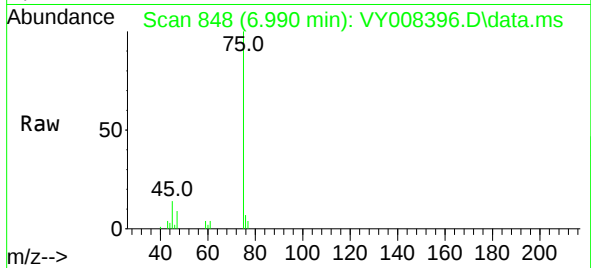




#25
2-Butanone
Concen: 1.332 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

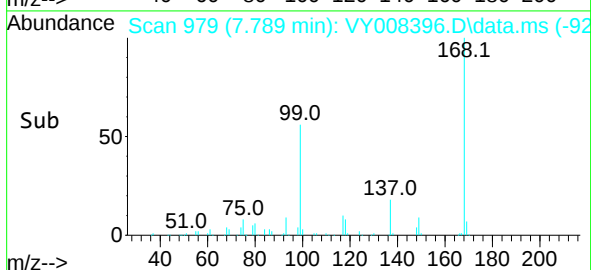
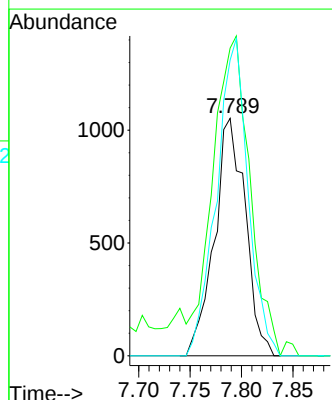
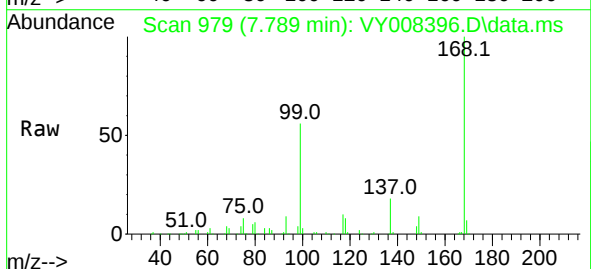
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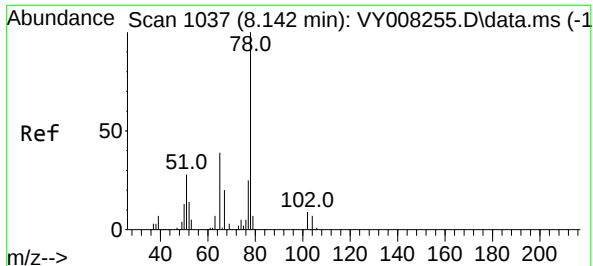
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.007 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

Tgt Ion: 56 Resp: 2204
Ion Ratio Lower Upper
56 100
69 129.5 26.7 40.1#
84 124.5 67.2 100.8#

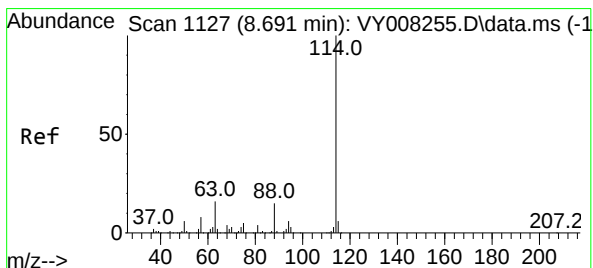
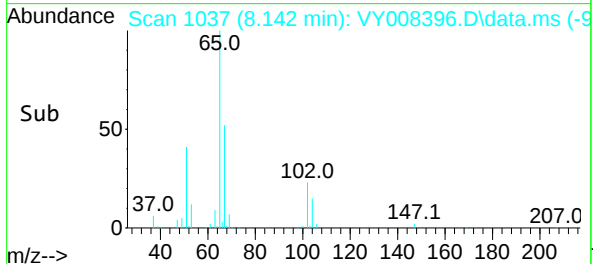
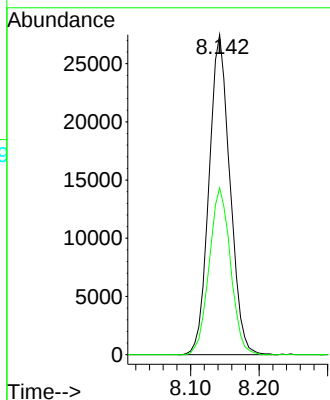
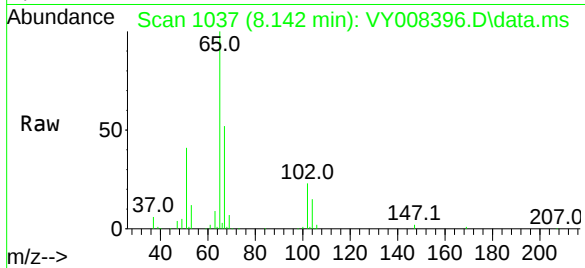




#33
 1,2-Dichloroethane-d4
 Concen: 62.442 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY008396.D
 Acq: 19 Apr 2022 15:20

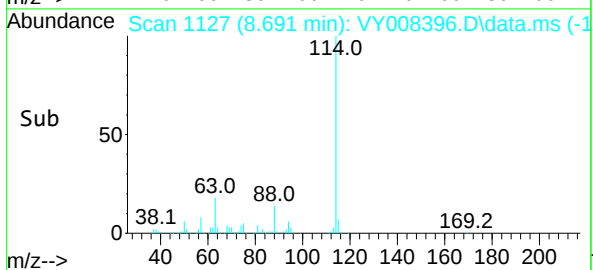
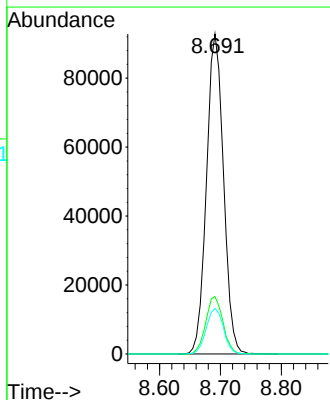
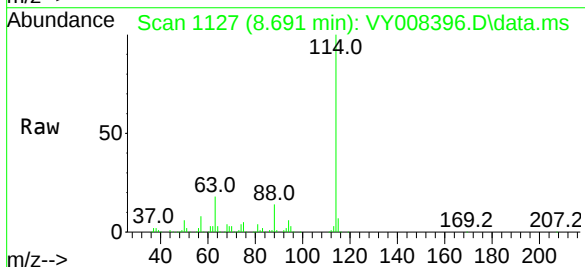
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 SB-3

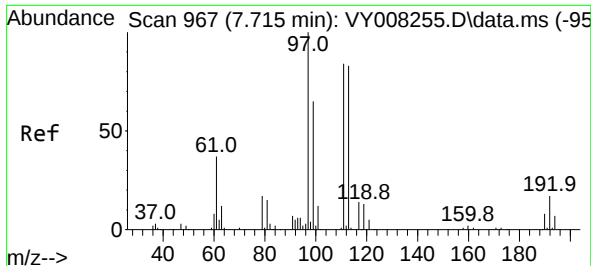
Tgt Ion: 65 Resp: 58207
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008396.D
 Acq: 19 Apr 2022 15:20

Tgt Ion: 114 Resp: 180020
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 43.2
 88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.811 ug/l

RT: 7.722 min Scan# 91

Delta R.T. 0.007 min

Lab File: VY008396.D

Acq: 19 Apr 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

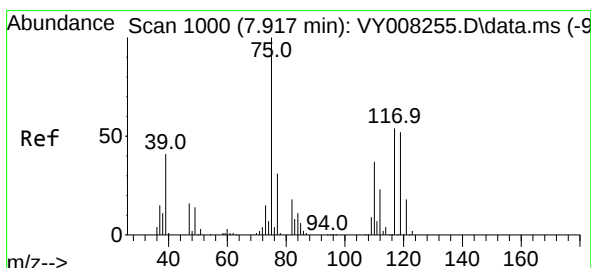
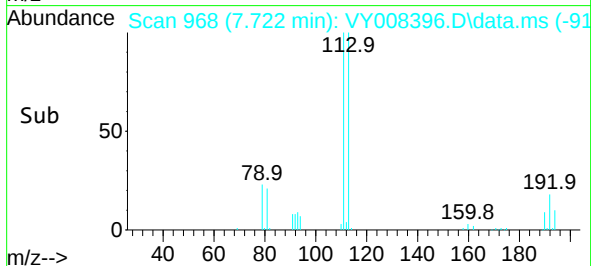
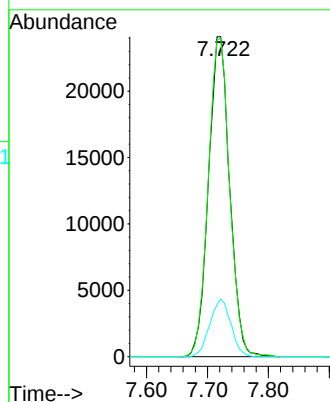
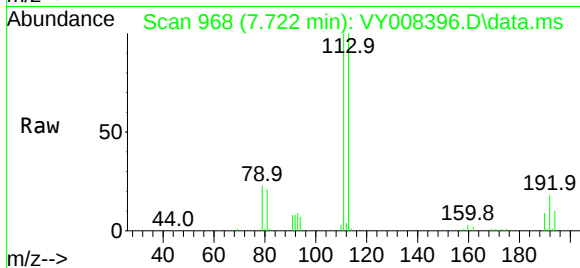
Tgt Ion:113 Resp: 58030

Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

192 18.0 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.122 min

Lab File: VY008396.D

Acq: 19 Apr 2022 15:20

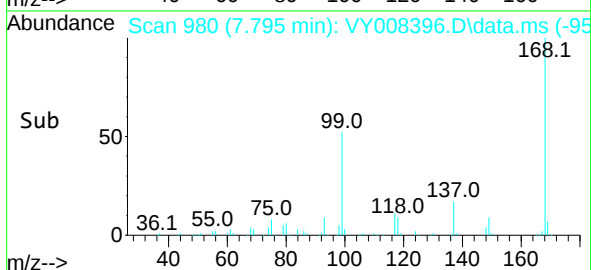
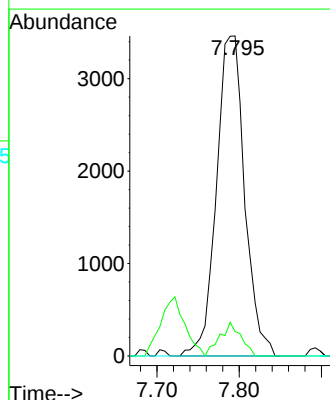
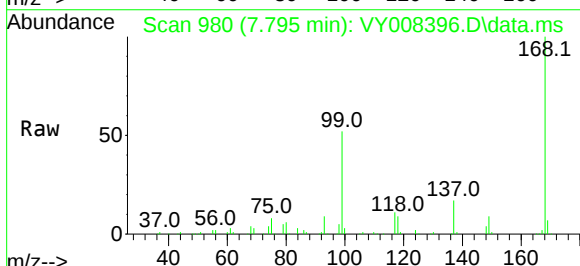
Tgt Ion: 75 Resp: 8262

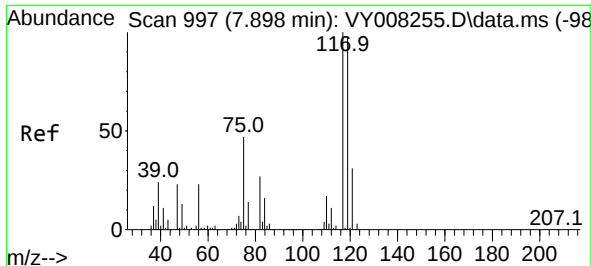
Ion Ratio Lower Upper

75 100

110 7.8 17.1 51.2#

77 0.0 24.4 36.6#

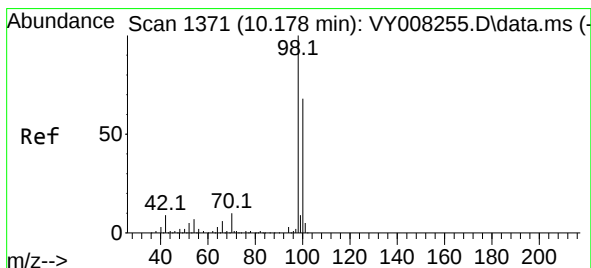
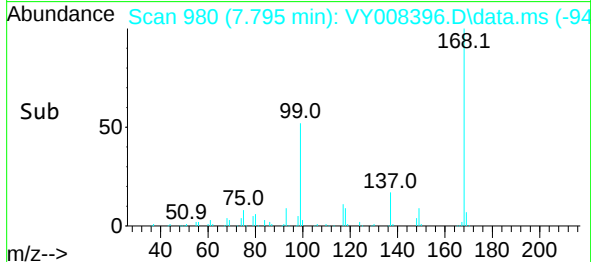
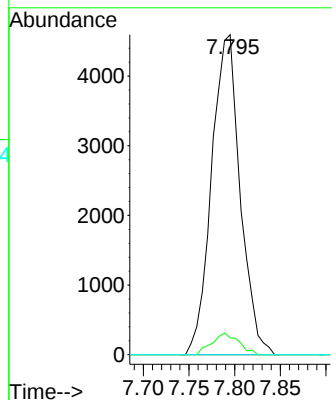
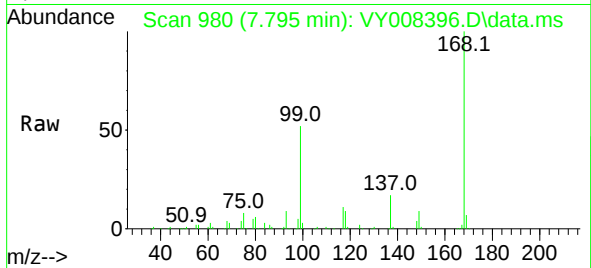




#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

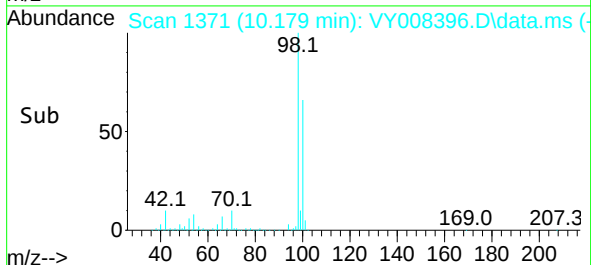
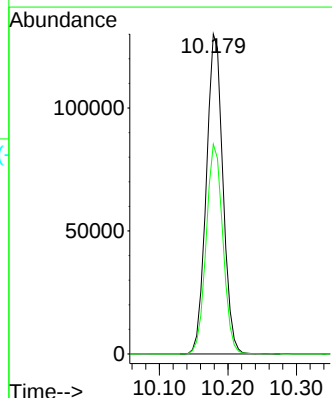
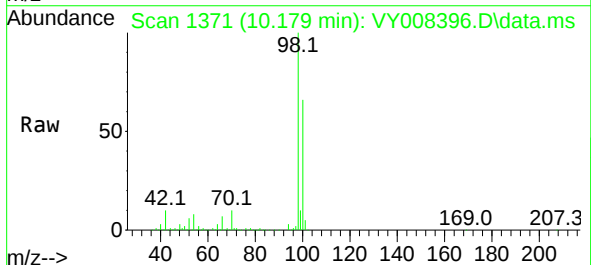
Instrument :
MSVOA_Y
ClientSampleId :
SB-3

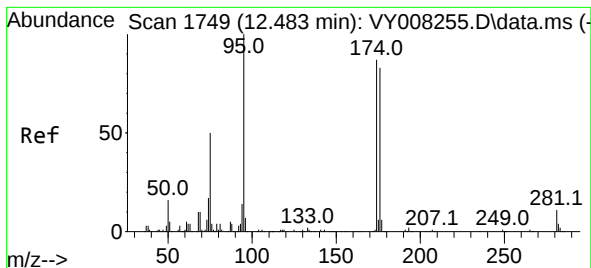
Tgt Ion:117 Resp: 10009
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 61.650 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008396.D
Acq: 19 Apr 2022 15:20

Tgt Ion: 98 Resp: 219343
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 56.548 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008396.D

Acq: 19 Apr 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

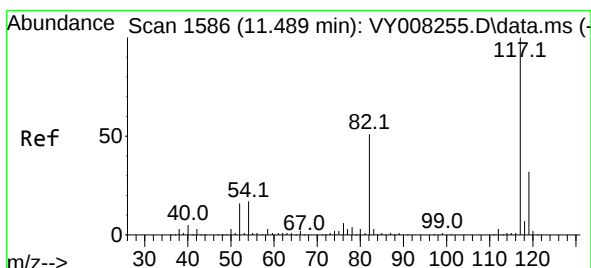
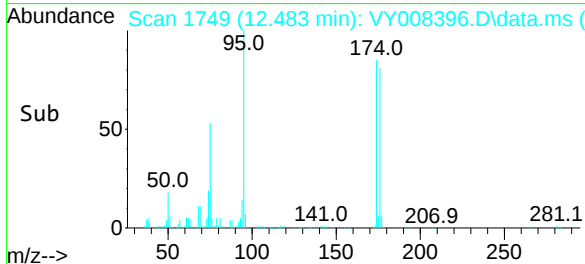
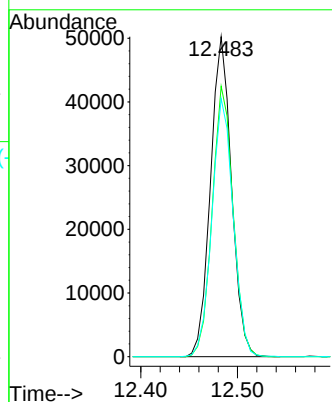
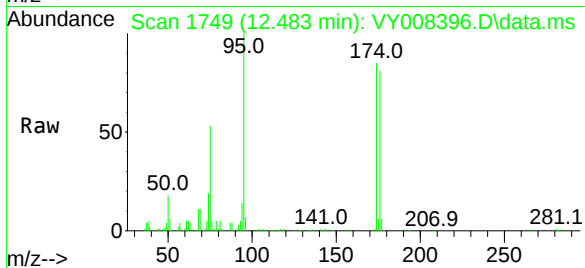
Tgt Ion: 95 Resp: 75673

Ion Ratio Lower Upper

95 100

174 84.1 0.0 177.0

176 81.8 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: VY008396.D

Acq: 19 Apr 2022 15:20

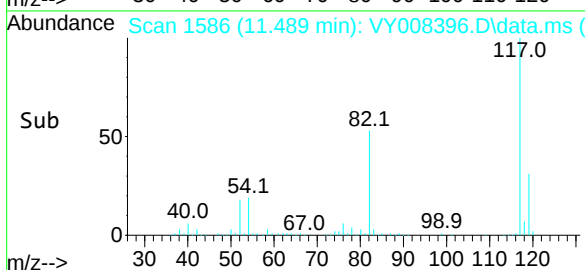
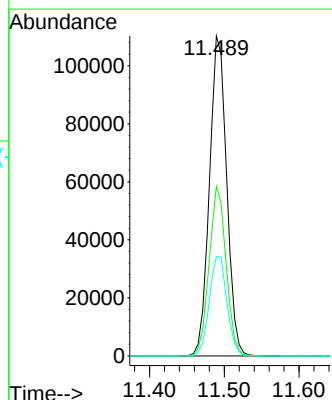
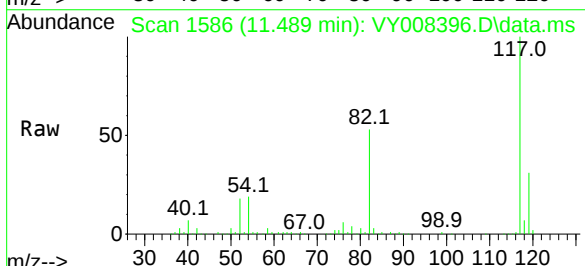
Tgt Ion: 117 Resp: 176797

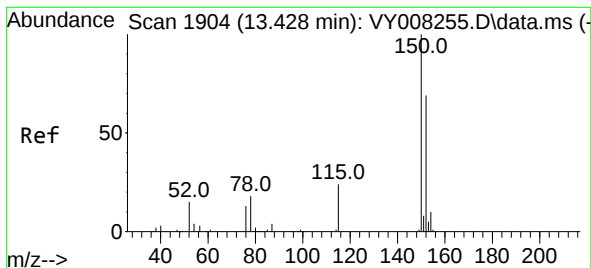
Ion Ratio Lower Upper

117 100

82 53.0 43.0 64.4

119 31.0 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: VY008396.D

Acq: 19 Apr 2022 15:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-3

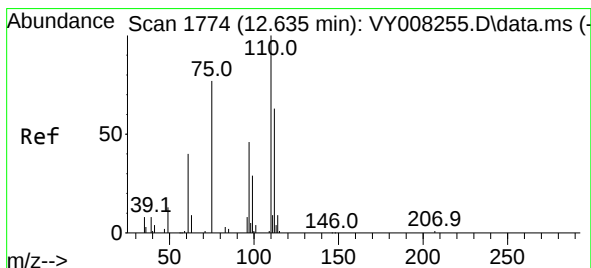
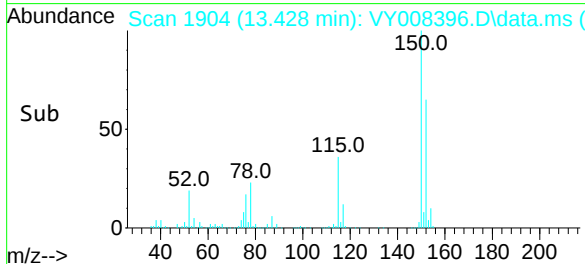
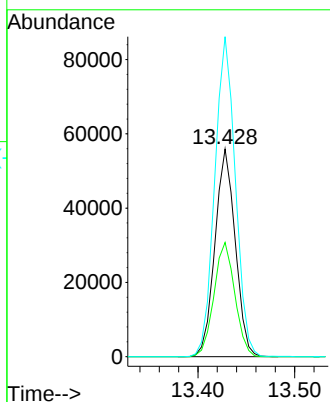
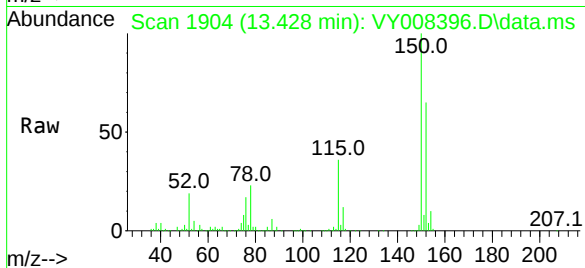
Tgt Ion:152 Resp: 81434

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 156.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.946 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008396.D

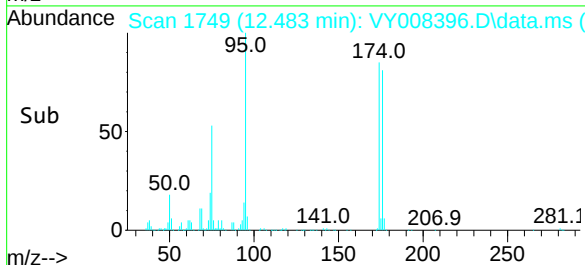
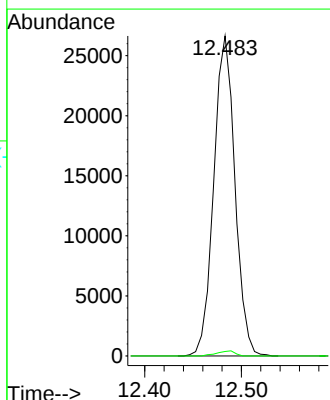
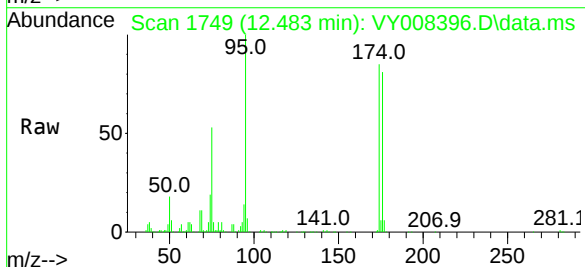
Acq: 19 Apr 2022 15:20

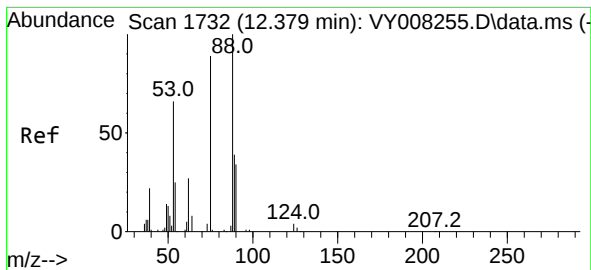
Tgt Ion: 75 Resp: 40480

Ion Ratio Lower Upper

75 100

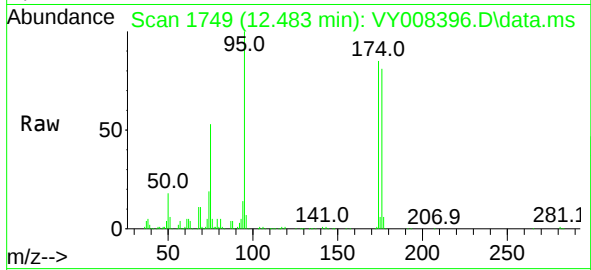
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.565 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008396.D
 Acq: 19 Apr 2022 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3



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

