

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041322\
 Data File : VY008320.D
 Acq On : 13 Apr 2022 18:10
 Operator : KP/MD
 Sample : N2368-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E14ST-EB3-041122-8-10

Quant Time: Apr 14 05:58:38 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)

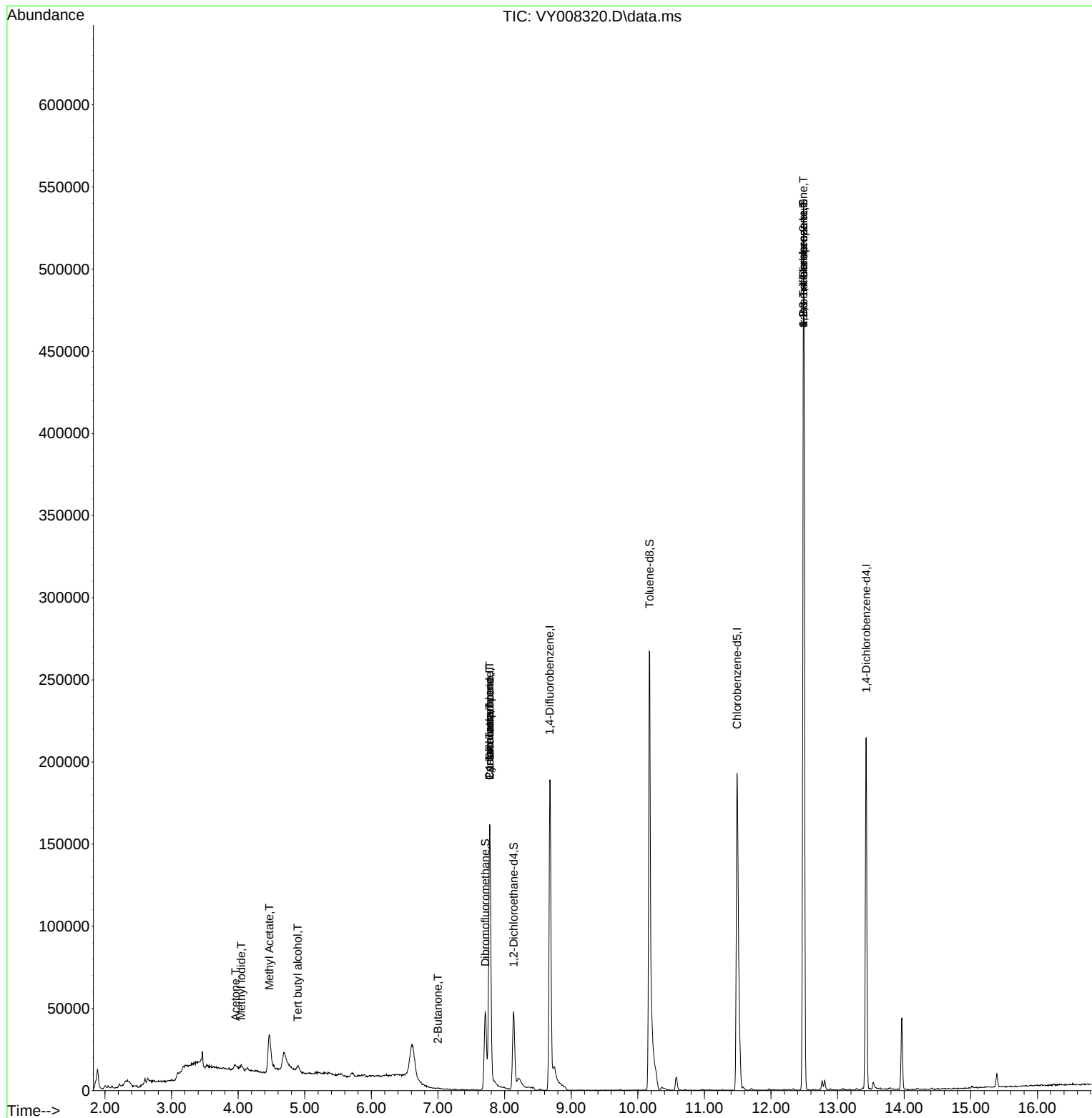
Internal Standards						
1) Pentafluorobenzene	7.777	168	121635	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.679	114	176574	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	155897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40725	35.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.280%
35) Dibromofluoromethane	7.710	113	37651	36.918	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.840%
50) Toluene-d8	10.179	98	239450	68.615	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	137.240%
62) 4-Bromofluorobenzene	12.483	95	63077	48.056	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.120%
Target Compounds						
3) Chloromethane	2.101	50	1085	Below Cal	#	74
5) Bromomethane	2.601	94	988	Below Cal		91
10) Methyl Iodide	4.046	142	3543	4.645	ug/l #	87
11) Tert butyl alcohol	4.893	59	2789	22.833	ug/l #	88
16) Acetone	3.960	43	5215	18.977	ug/l #	87
18) Methyl Acetate	4.466	43	50106	79.048	ug/l #	82
20) Methylene Chloride	4.686	84	11183	Below Cal	#	77
25) 2-Butanone	6.996	43	966	2.248	ug/l #	54
31) Cyclohexane	7.777	56	2398	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	9494	5.830	ug/l #	53
38) Carbon Tetrachloride	7.777	117	12343	7.045	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	36102	57.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36102	129.303	ug/l #	9

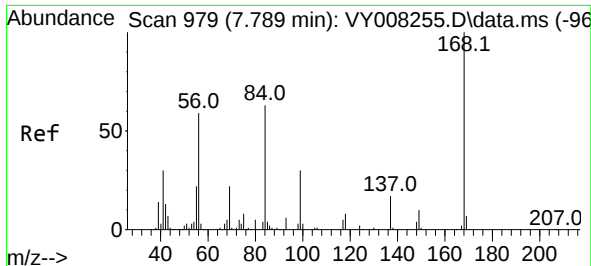
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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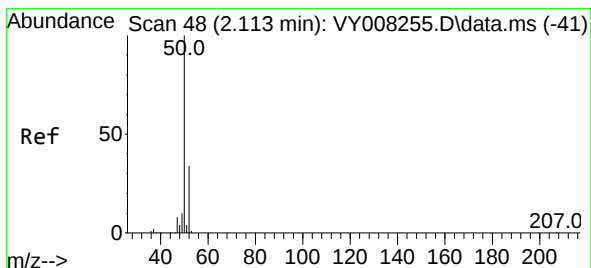
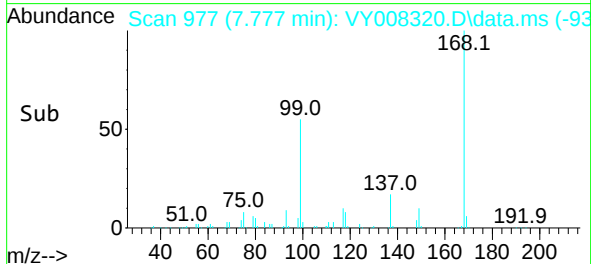
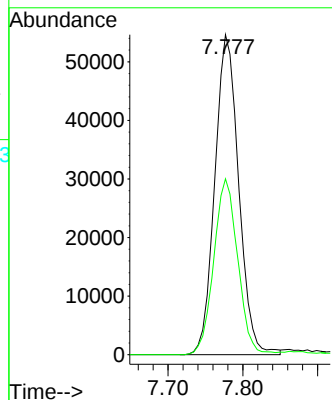
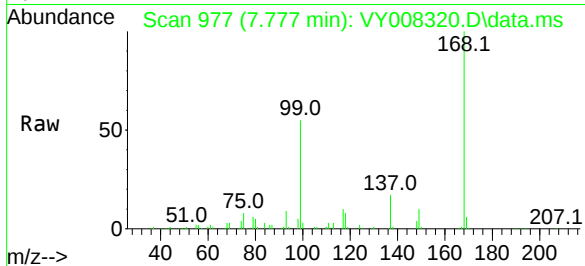




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

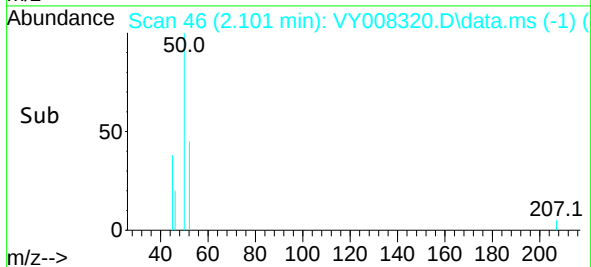
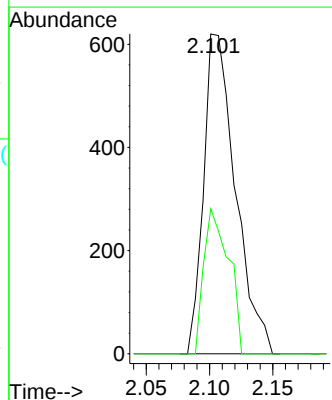
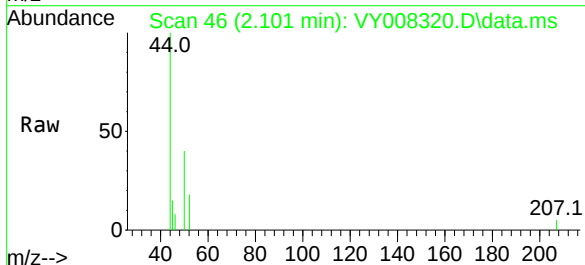
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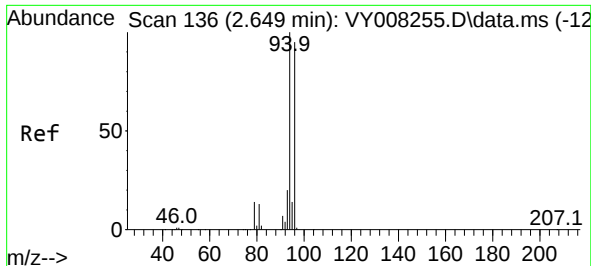
Tgt Ion:168 Resp: 121635
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.012 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Tgt Ion: 50 Resp: 1085
Ion Ratio Lower Upper
50 100
52 45.3 24.6 37.0#

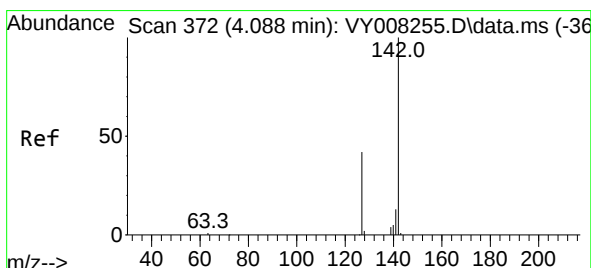
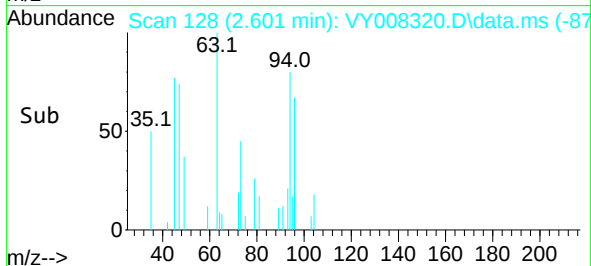
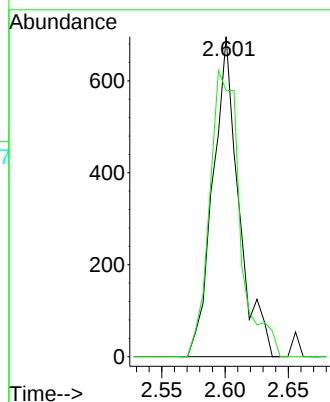
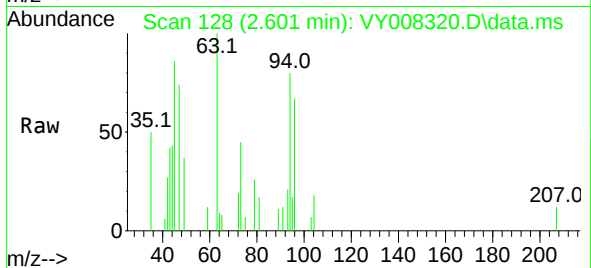




#5
Bromomethane
Concen: Below Cal
RT: 2.601 min Scan# 11
Delta R.T. -0.048 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

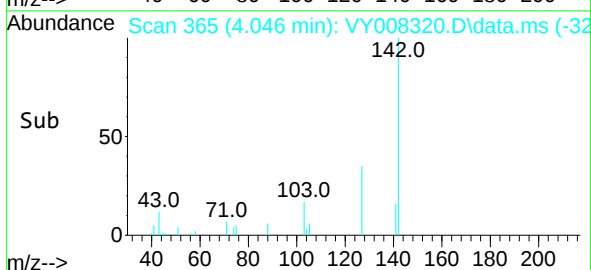
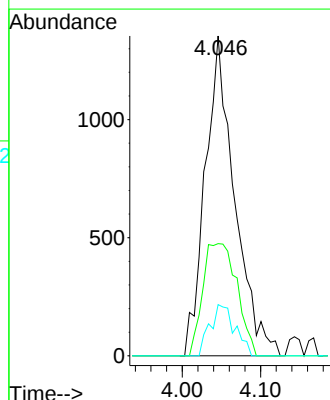
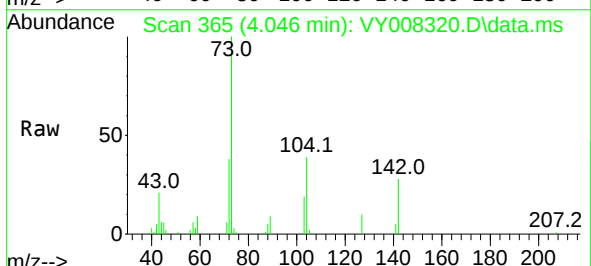
Instrument :
MSVOA_Y
ClientSampleId :
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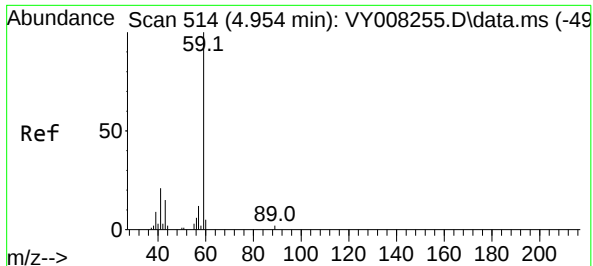
Tgt Ion: 94 Resp: 988
Ion Ratio Lower Upper
94 100
96 83.2 73.5 110.3



#10
Methyl Iodide
Concen: 4.645 ug/l
RT: 4.046 min Scan# 365
Delta R.T. -0.042 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Tgt Ion:142 Resp: 3543
Ion Ratio Lower Upper
142 100
127 40.6 41.5 62.3#
141 13.6 11.9 17.9





#11

Tert butyl alcohol

Concen: 22.833 ug/l

RT: 4.893 min Scan# 504

Delta R.T. -0.061 min

Lab File: VY008320.D

Acq: 13 Apr 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

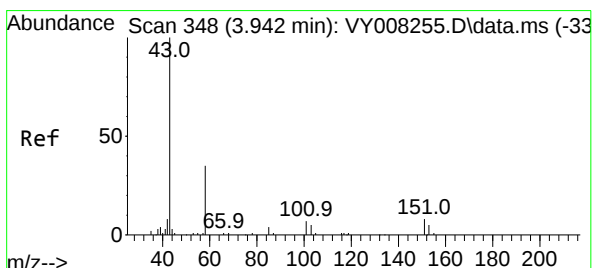
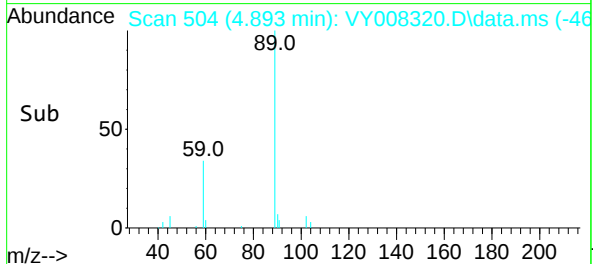
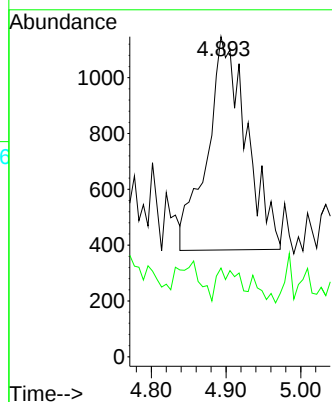
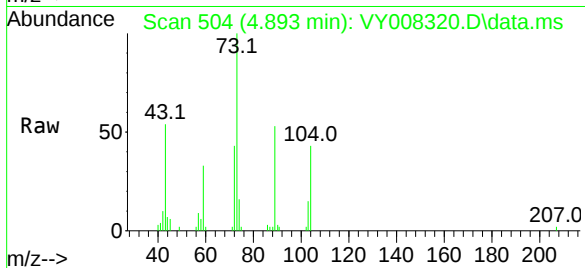
E14ST-EB3-041122-8-10

Tgt Ion: 59 Resp: 2789

Ion Ratio Lower Upper

59 100

57 3.7 6.4 9.6#



#16

Acetone

Concen: 18.977 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.018 min

Lab File: VY008320.D

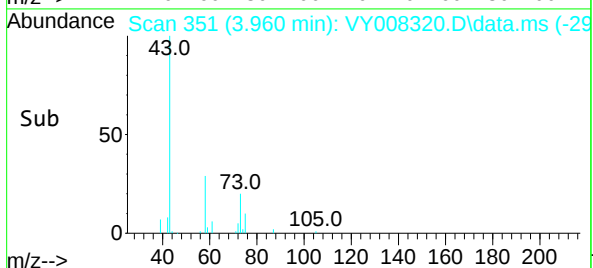
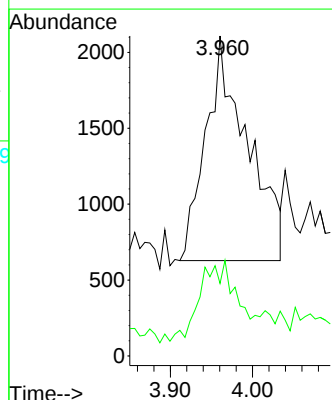
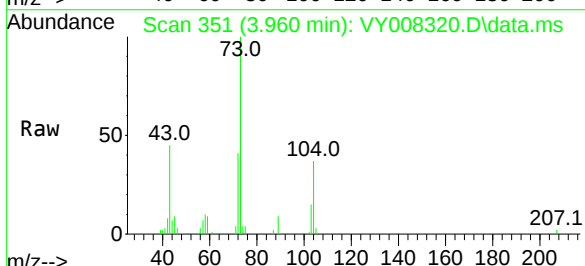
Acq: 13 Apr 2022 18:10

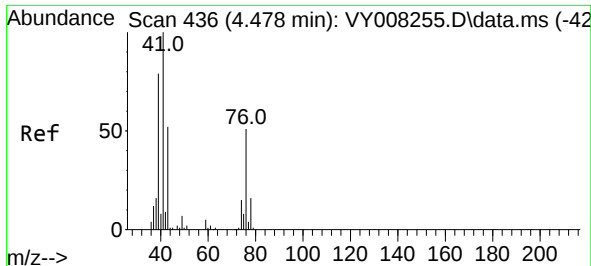
Tgt Ion: 43 Resp: 5215

Ion Ratio Lower Upper

43 100

58 20.9 22.0 33.0#

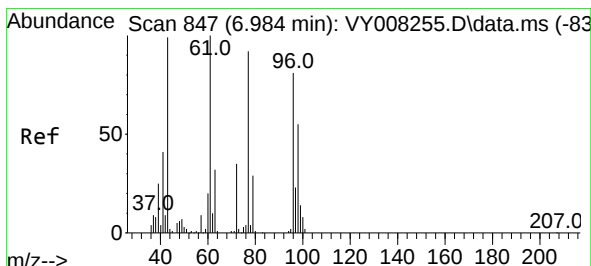
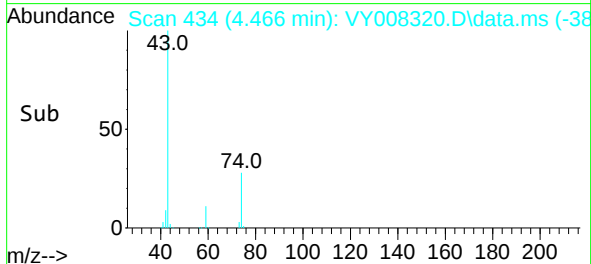
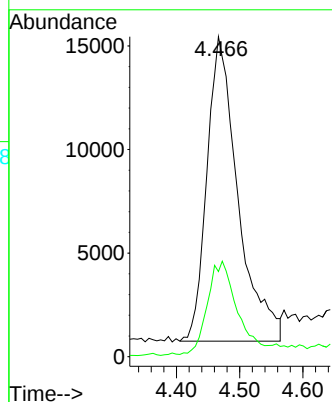
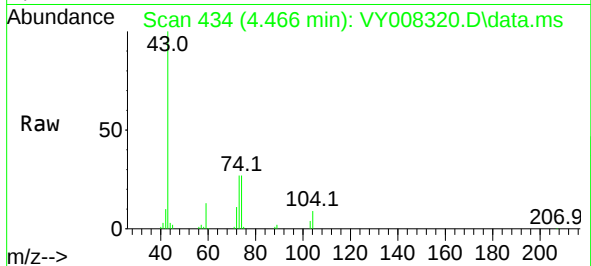




#18
Methyl Acetate
Concen: 79.048 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

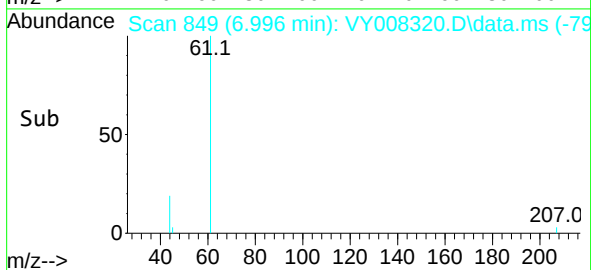
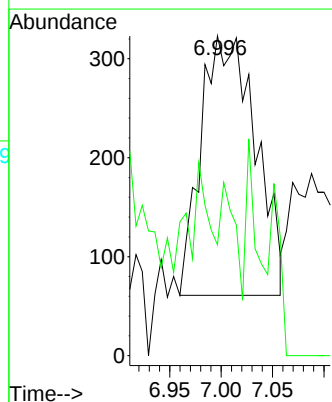
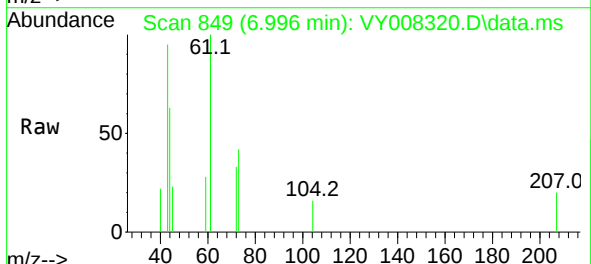
Instrument :
MSVOA_Y
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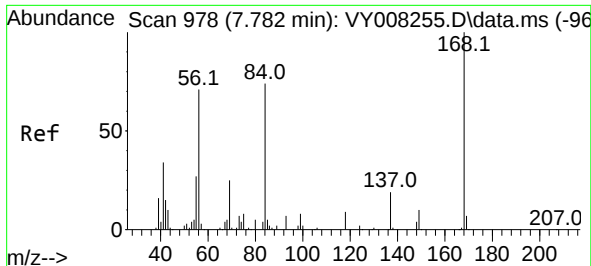
Tgt Ion: 43 Resp: 50106
Ion Ratio Lower Upper
43 100
74 29.0 16.6 24.8#



#25
2-Butanone
Concen: 2.248 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

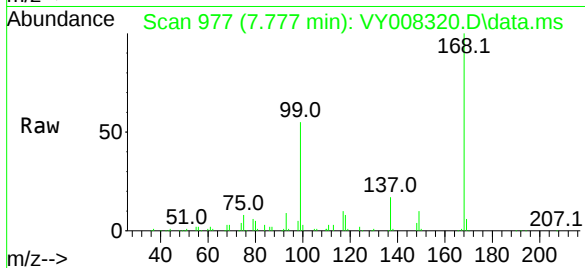
Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



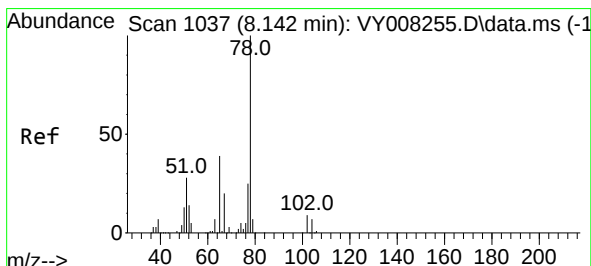
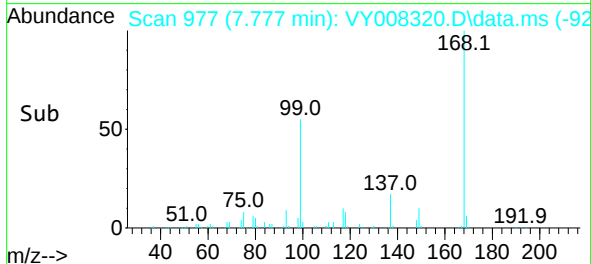
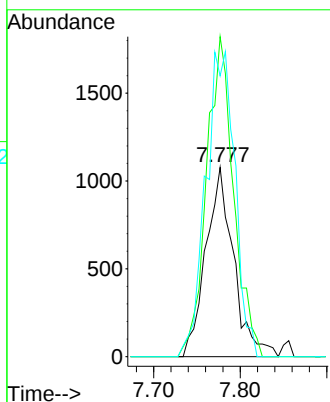


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.005 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Instrument :
MSVOA_Y
ClientSampleId :
E14ST-EB3-041122-8-10

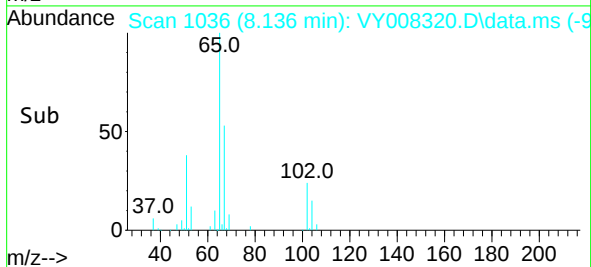
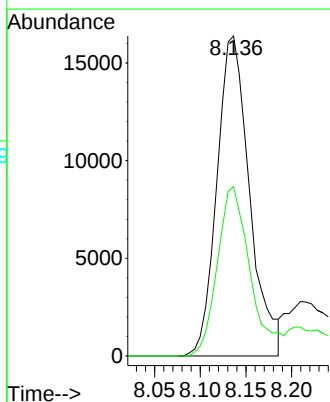
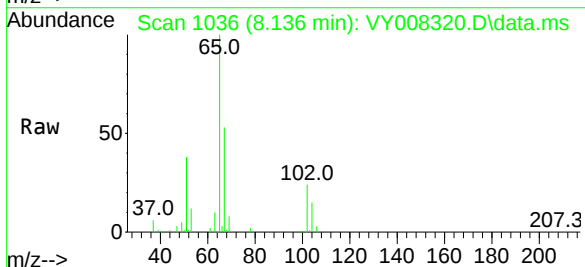


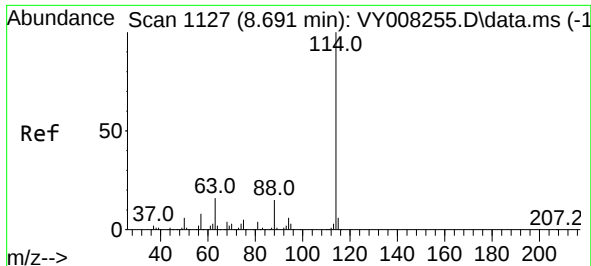
Tgt Ion: 56 Resp: 2398
Ion Ratio Lower Upper
56 100
69 169.0 26.7 40.1#
84 148.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 35.644 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Tgt Ion: 65 Resp: 40725
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY008320.D

Acq: 13 Apr 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

E14ST-EB3-041122-8-10

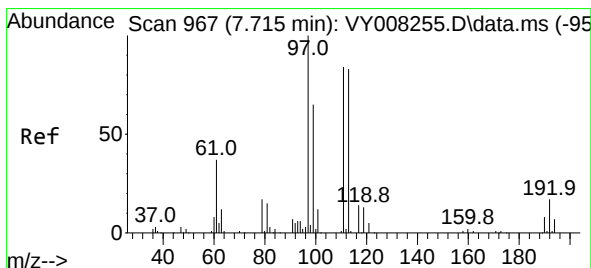
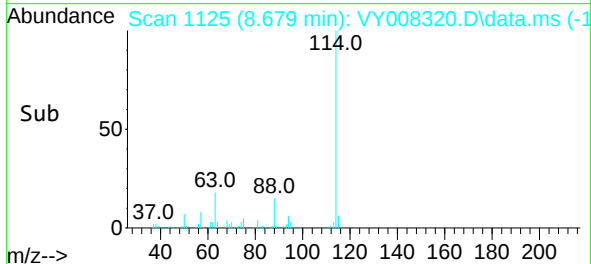
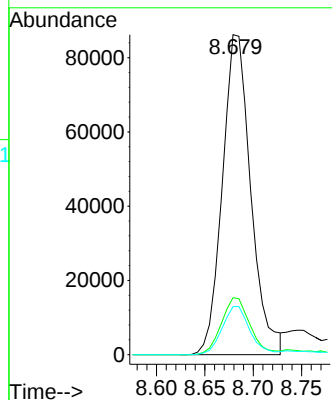
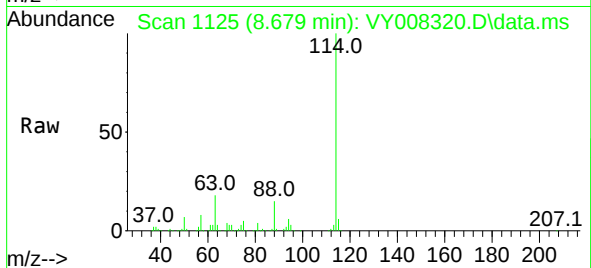
Tgt Ion:114 Resp: 176574

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.918 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.005 min

Lab File: VY008320.D

Acq: 13 Apr 2022 18:10

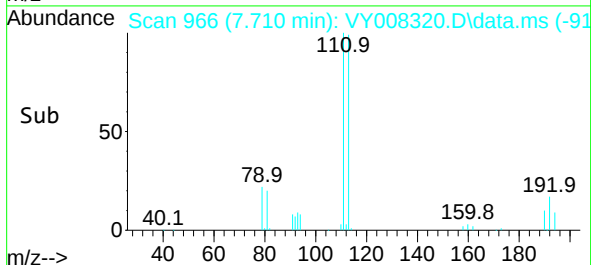
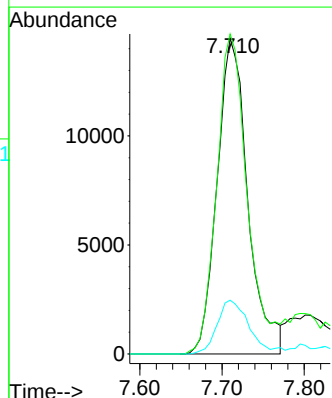
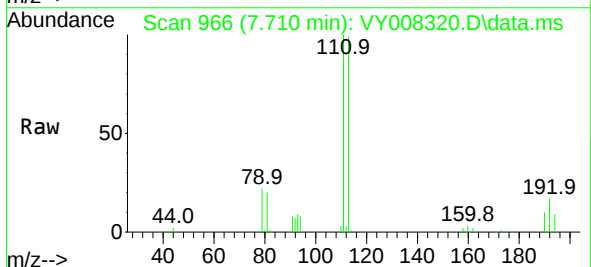
Tgt Ion:113 Resp: 37651

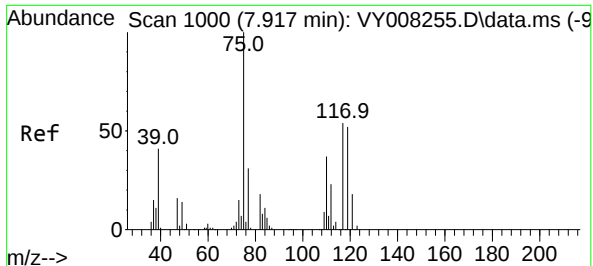
Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 17.9 17.6 26.4

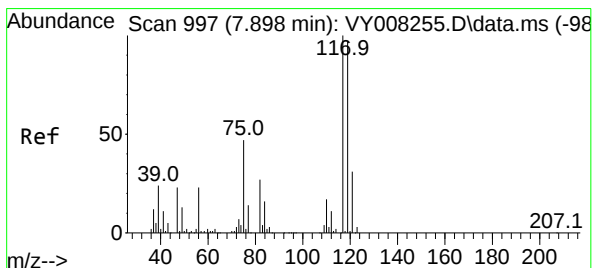
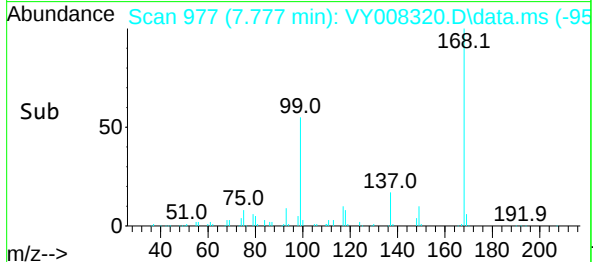
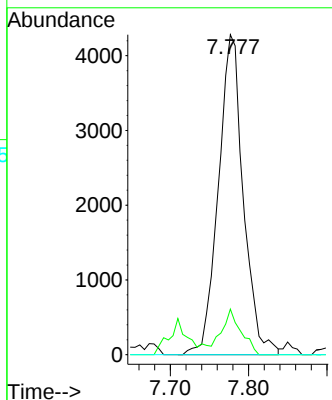
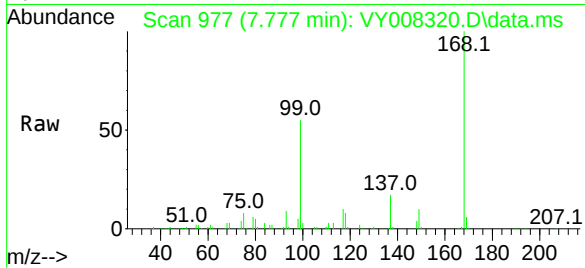




#36
 1,1-Dichloropropene
 Concen: 5.830 ug/l
 RT: 7.777 min Scan# 911
 Delta R.T. -0.140 min
 Lab File: VY008320.D
 Acq: 13 Apr 2022 18:10

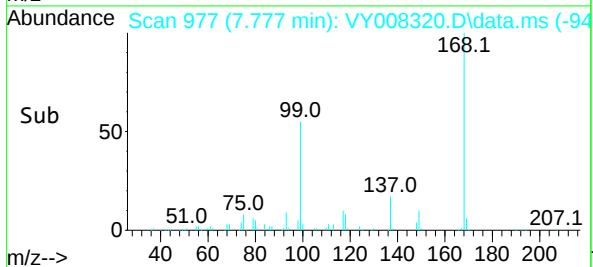
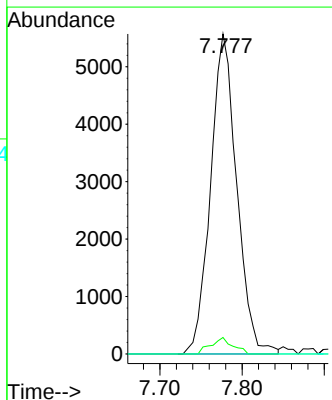
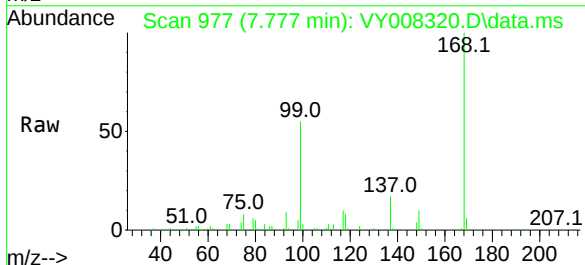
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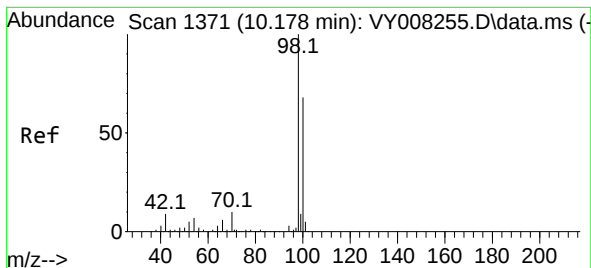
Tgt Ion: 75 Resp: 9494
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.045 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.121 min
 Lab File: VY008320.D
 Acq: 13 Apr 2022 18:10

Tgt Ion: 117 Resp: 12343
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.9 116.9#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 68.615 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008320.D

Acq: 13 Apr 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

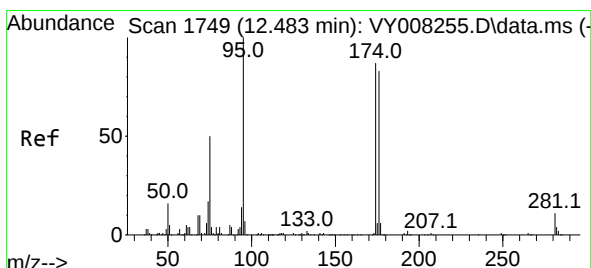
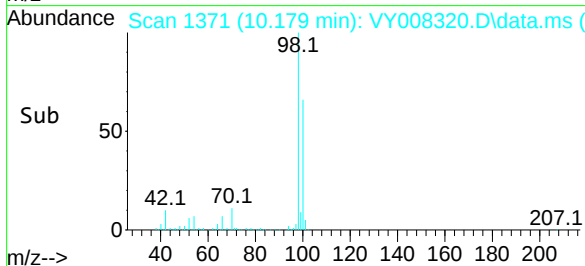
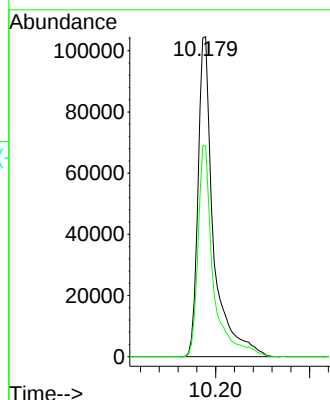
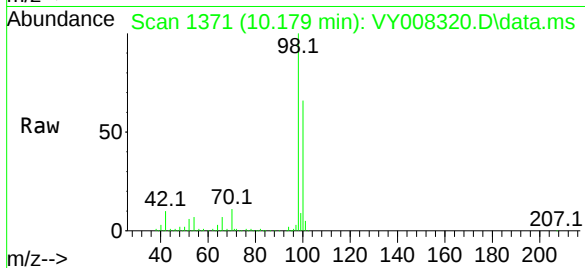
E14ST-EB3-041122-8-10

Tgt Ion: 98 Resp: 239450

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 48.056 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008320.D

Acq: 13 Apr 2022 18:10

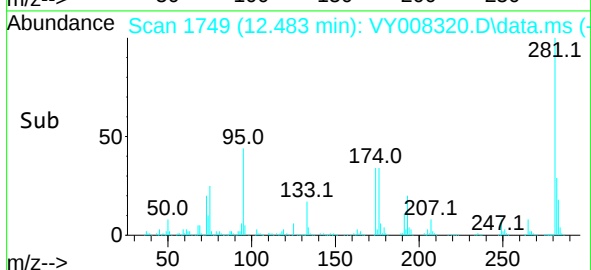
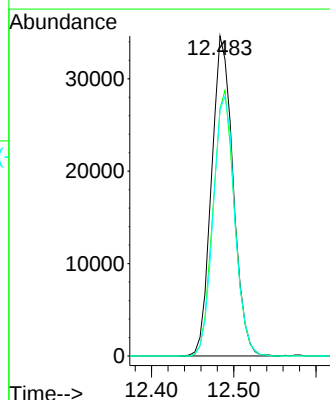
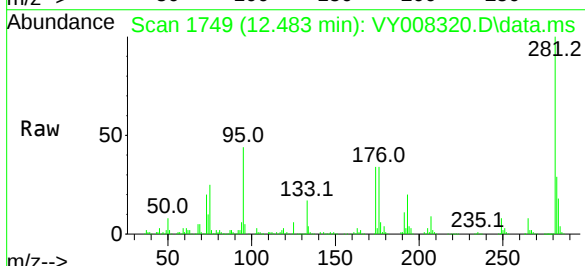
Tgt Ion: 95 Resp: 63077

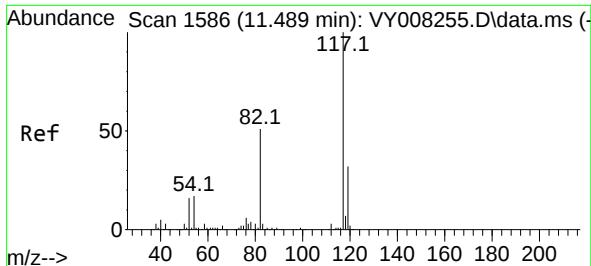
Ion Ratio Lower Upper

95 100

174 82.4 0.0 177.0

176 81.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008320.D

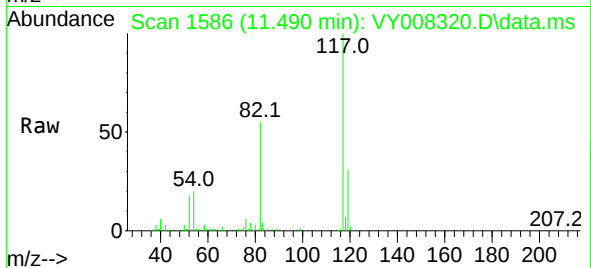
Acq: 13 Apr 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

E14ST-EB3-041122-8-10



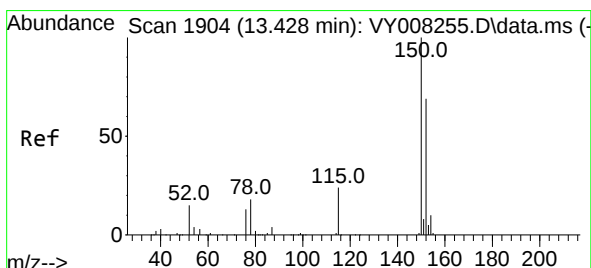
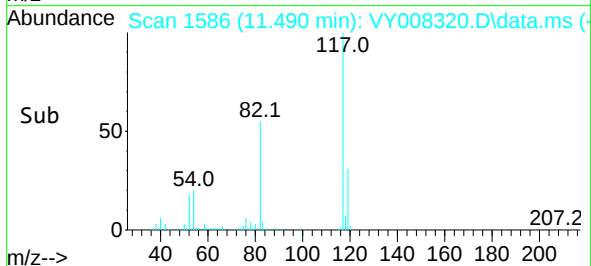
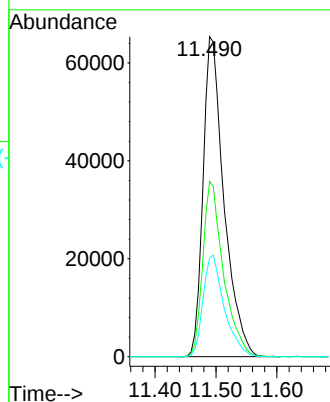
Tgt Ion:117 Resp: 155897

Ion Ratio Lower Upper

117 100

82 54.8 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: VY008320.D

Acq: 13 Apr 2022 18:10

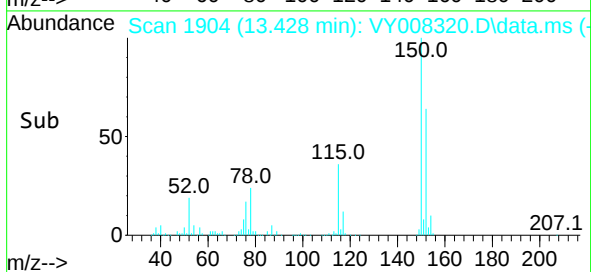
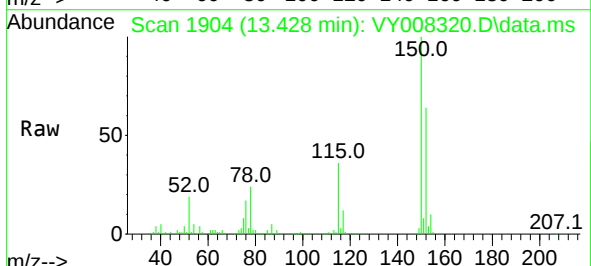
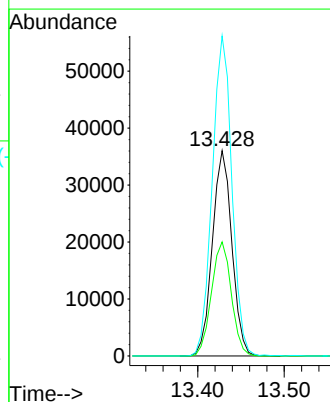
Tgt Ion:152 Resp: 56485

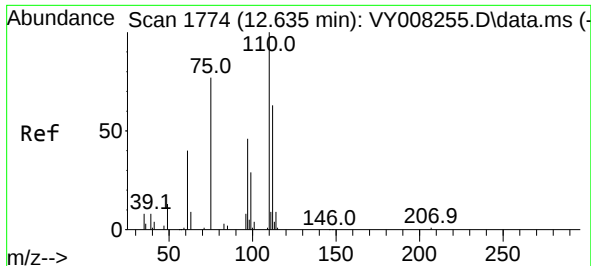
Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 156.6 0.0 347.6

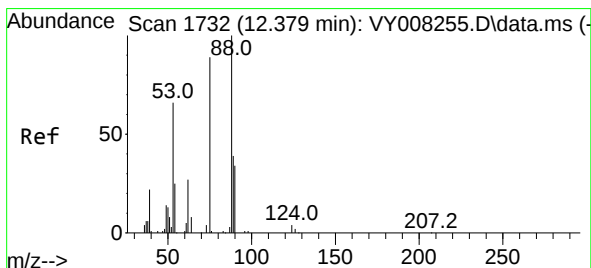
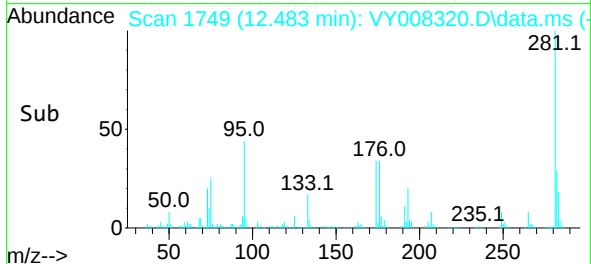
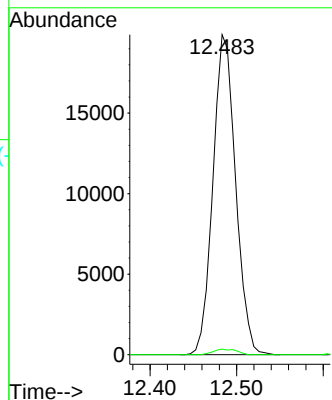
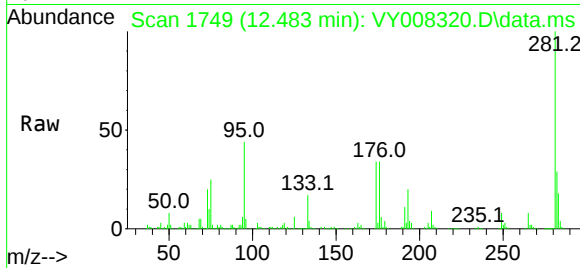




#76
1,2,3-Trichloropropane
Concen: 57.790 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Instrument :
MSVOA_Y
ClientSampleId :
E14ST-EB3-041122-8-10

Tgt Ion: 75 Resp: 36102
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.303 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008320.D
Acq: 13 Apr 2022 18:10

Tgt Ion: 75 Resp: 36102
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 4.0 37.0 55.4#

