

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020422\
 Data File : VY007392.D
 Acq On : 04 Feb 2022 14:15
 Operator : SY/MD
 Sample : N1381-07RE
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-07(13.5-15)-02-02-22

Quant Time: Feb 06 23:35:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

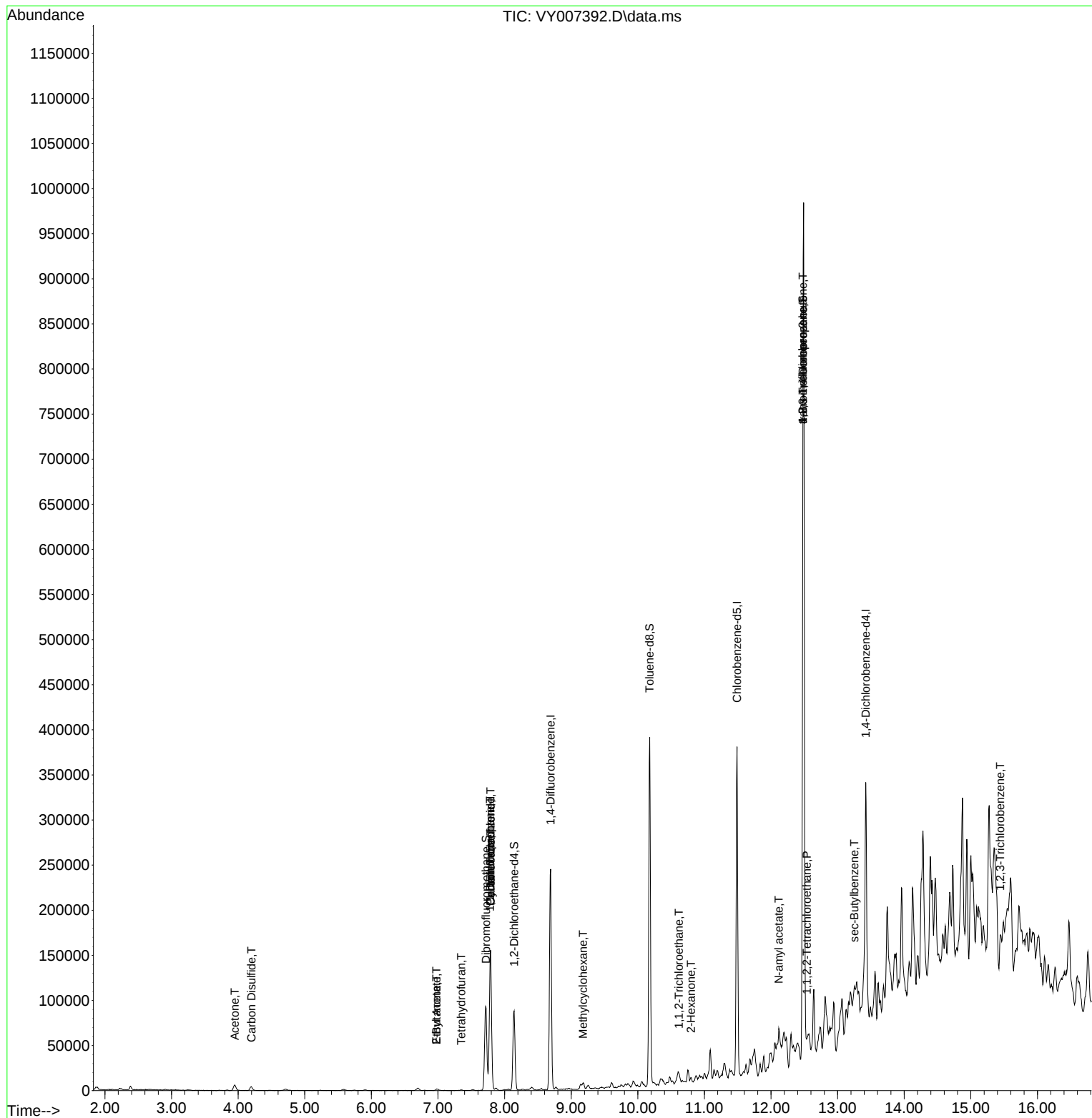
Internal Standards						
1) Pentafluorobenzene	7.789	168	110093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	206552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	61962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	70325	55.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.060%
35) Dibromofluoromethane	7.722	113	67558	50.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.880%
50) Toluene-d8	10.179	98	251158	51.255	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.500%
62) 4-Bromofluorobenzene	12.477	95	83658	50.229	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	744	Below Cal		92
11) Tert butyl alcohol	4.936	59	20	Below Cal	#	77
16) Acetone	3.948	43	11079	26.938	ug/l #	88
17) Carbon Disulfide	4.198	76	8229	2.046	ug/l	96
20) Methylene Chloride	4.710	84	782	Below Cal	#	64
25) 2-Butanone	6.978	43	2778	5.591	ug/l #	91
29) Tetrahydrofuran	7.350	42	343	1.195	ug/l #	53
31) Cyclohexane	7.789	56	4571	1.850	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	9264	3.995	ug/l #	52
37) Ethyl Acetate	6.978	43	2778	2.410	ug/l #	72
38) Carbon Tetrachloride	7.789	117	12064	4.952	ug/l #	14
39) Methylcyclohexane	9.179	83	3287	1.129	ug/l #	81
55) 1,1,2-Trichloroethane	10.618	97	2751	2.323	ug/l #	20
59) 2-Hexanone	10.801	43	2076	2.604	ug/l #	28
74) N-amyl acetate	12.117	43	5512	3.932	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.538	83	2417	2.337	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	51996	70.588	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51996	141.417	ug/l #	11
85) sec-Butylbenzene	13.251	105	8849	1.467	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.440	180	1172	1.152	ug/l #	57

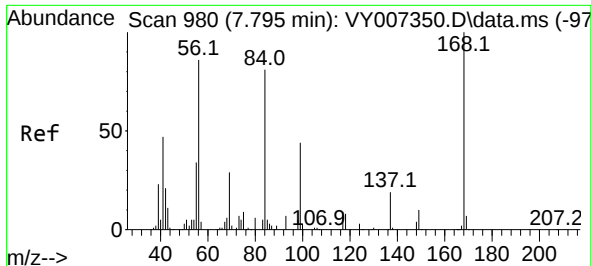
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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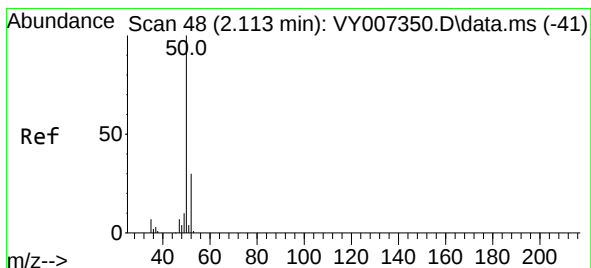
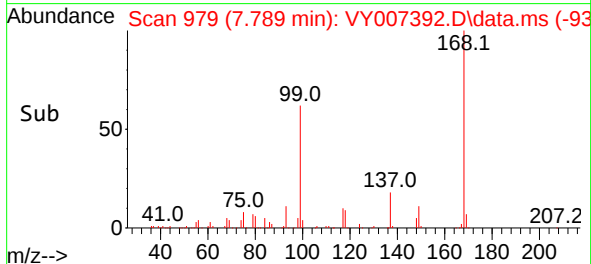
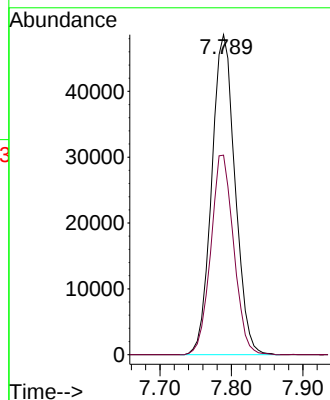
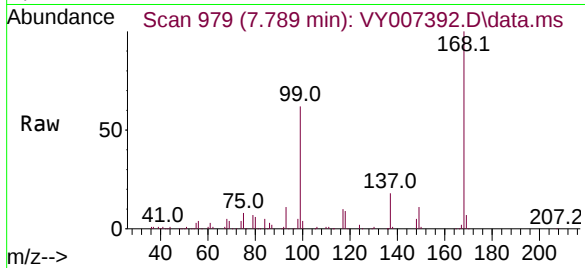




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

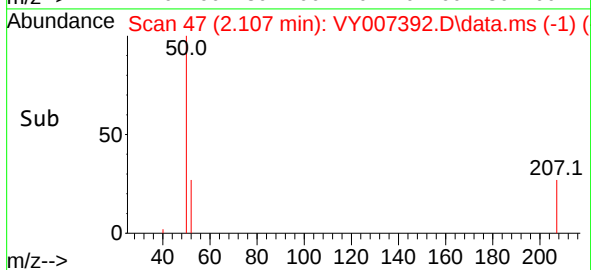
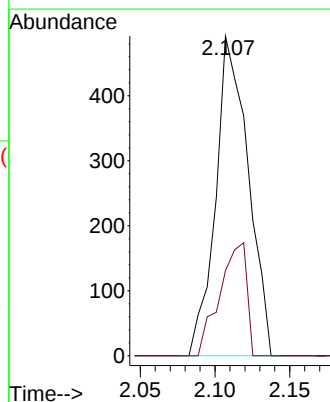
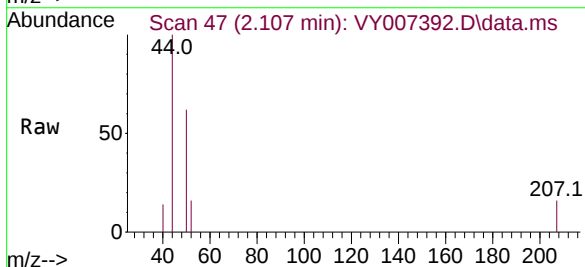
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

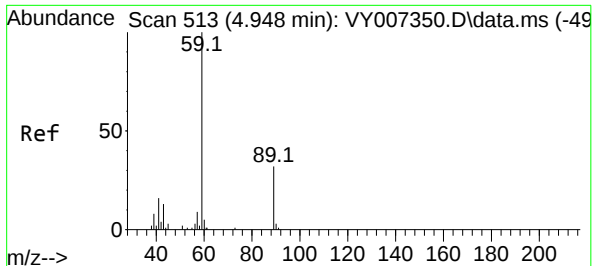
Tgt Ion:168 Resp: 110093
Ion Ratio Lower Upper
168 100
99 62.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 26.6 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY007392.D

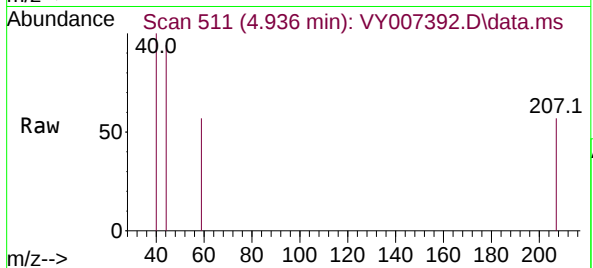
Acq: 04 Feb 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

DB-07(13.5-15)-02-02-22

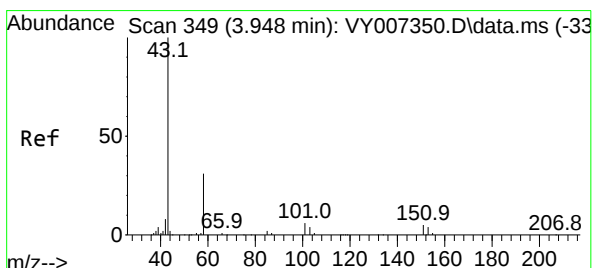
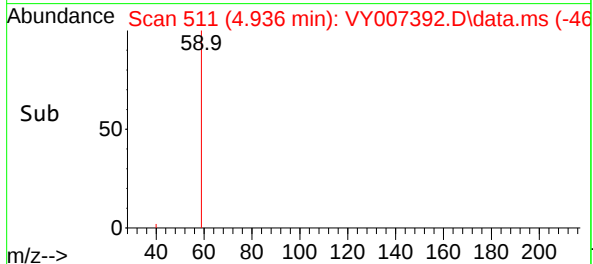
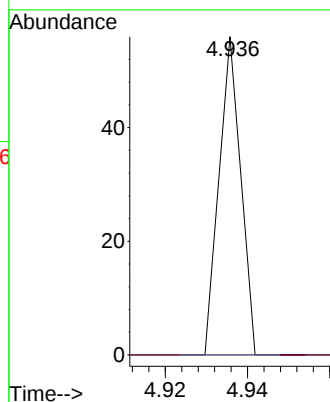


Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 26.938 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY007392.D

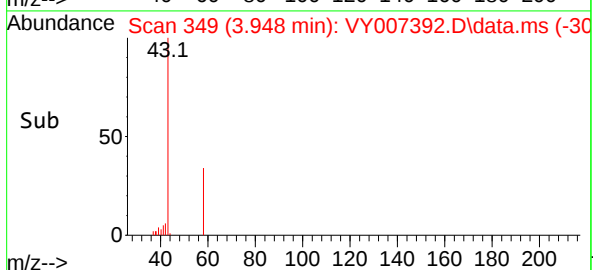
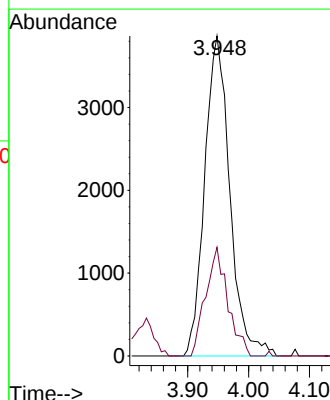
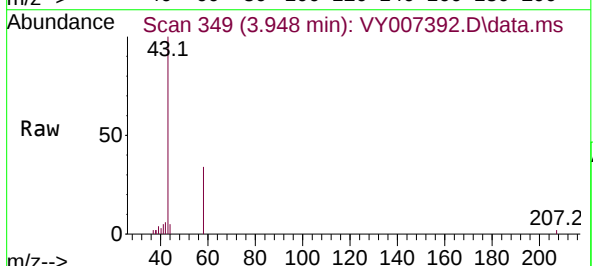
Acq: 04 Feb 2022 14:15

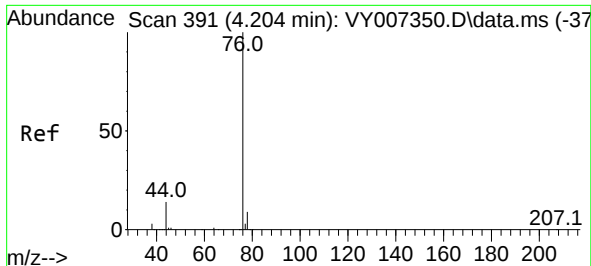
Tgt Ion: 43 Resp: 11079

Ion Ratio Lower Upper

43 100

58 33.9 22.0 33.0#

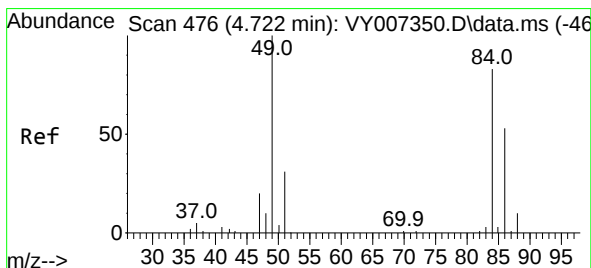
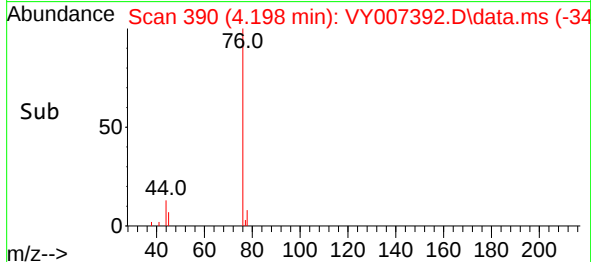
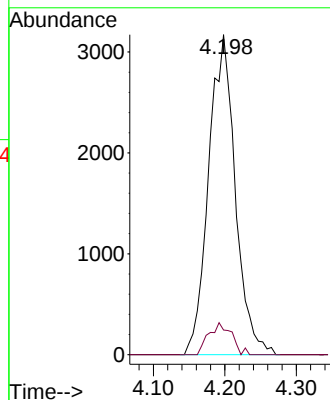
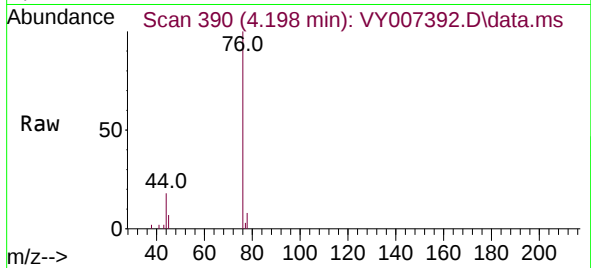




#17
Carbon Disulfide
Concen: 2.046 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

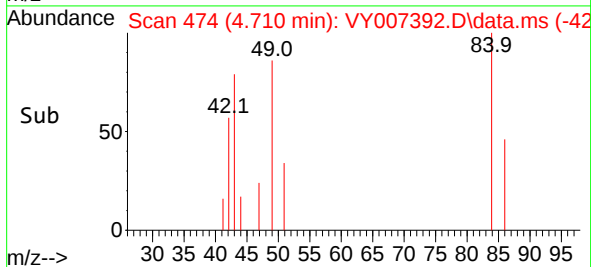
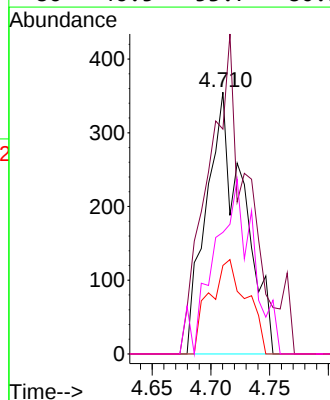
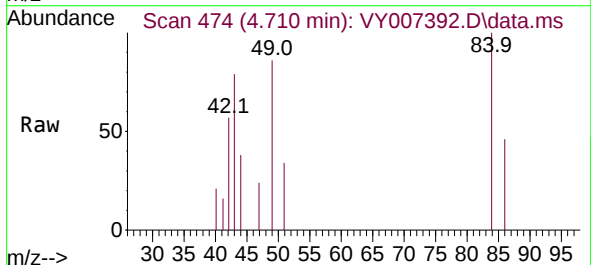
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

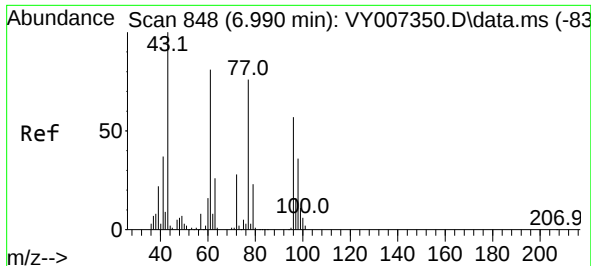
Tgt Ion: 76 Resp: 8229
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 84 Resp: 782
Ion Ratio Lower Upper
84 100
49 85.9 114.4 171.6#
51 33.8 35.3 52.9#
86 46.5 53.7 80.5#

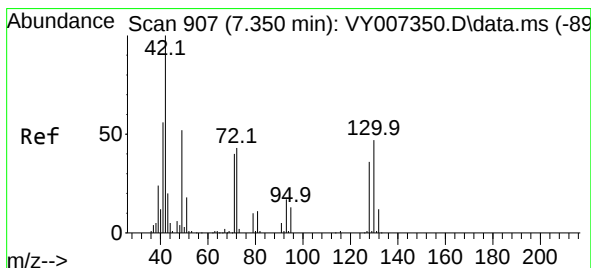
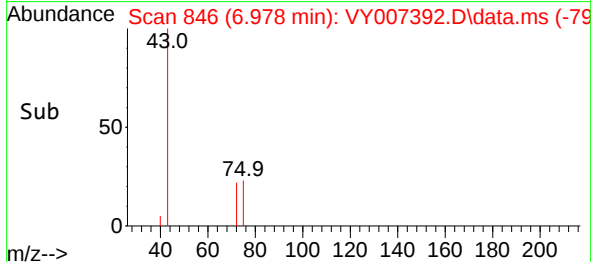
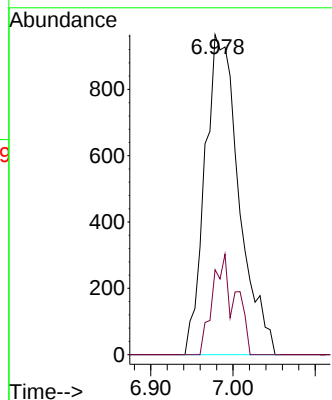
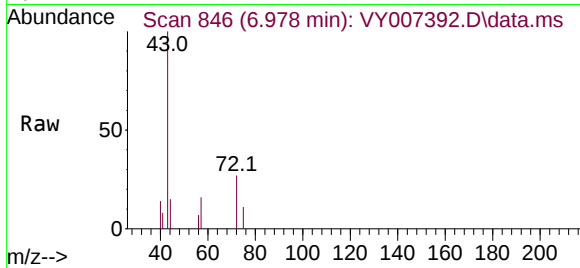




#25
2-Butanone
Concen: 5.591 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

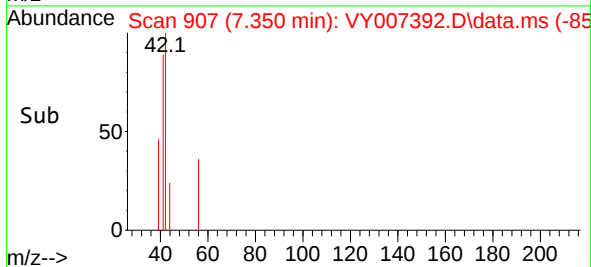
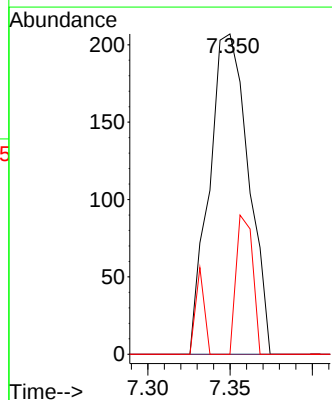
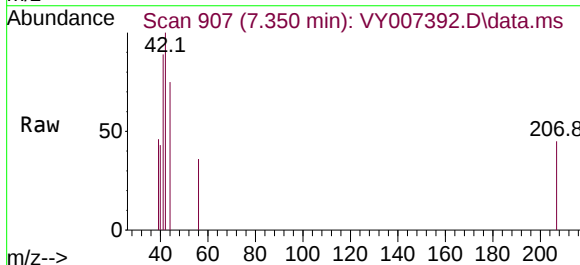
Instrument :
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DB-07(13.5-15)-02-02-22

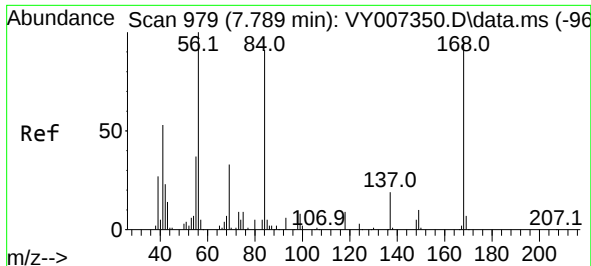
Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
72 26.5 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.195 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 42 Resp: 343
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 18.4 29.0 43.4#

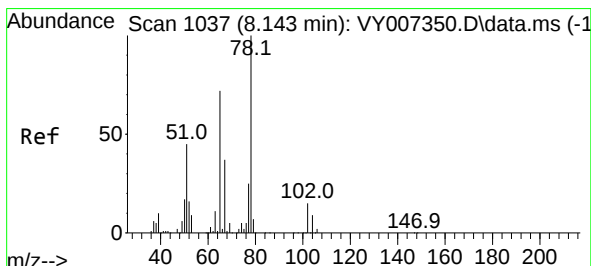
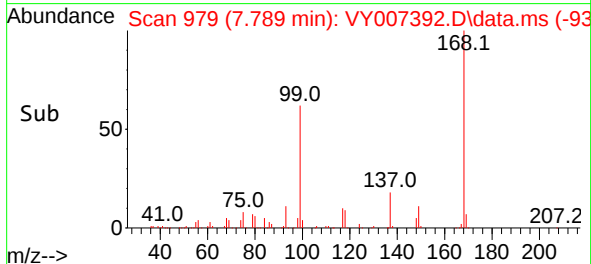
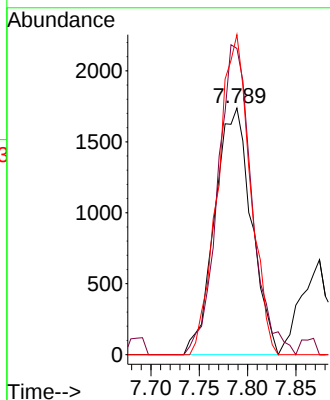
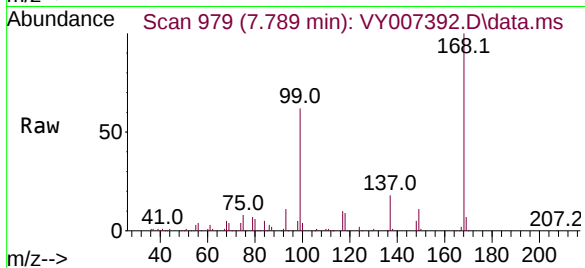




#31
Cyclohexane
Concen: 1.850 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

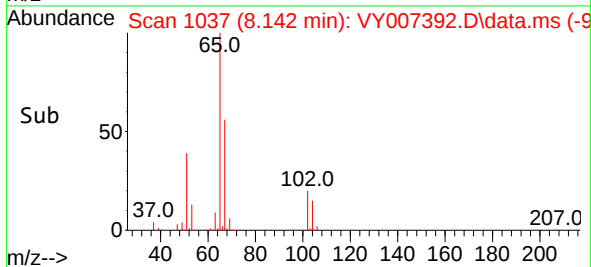
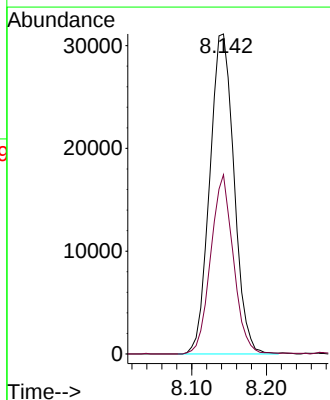
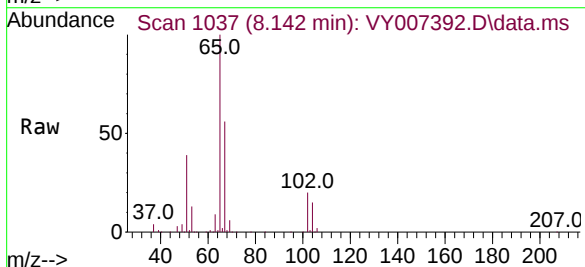
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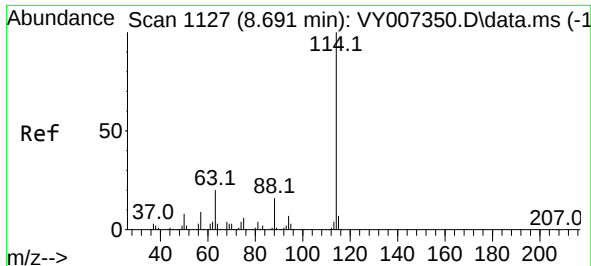
Tgt Ion: 56 Resp: 4571
Ion Ratio Lower Upper
56 100
69 124.2 26.7 40.1#
84 129.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.534 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 65 Resp: 70325
Ion Ratio Lower Upper
65 100
67 52.2 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: VY007392.D

Acq: 04 Feb 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

DB-07(13.5-15)-02-02-22

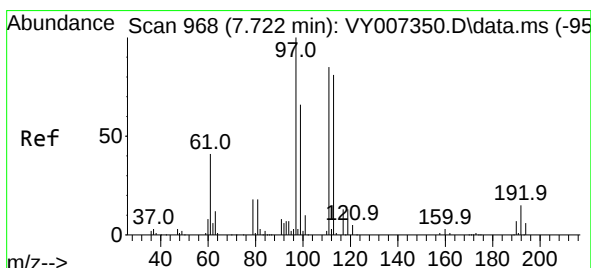
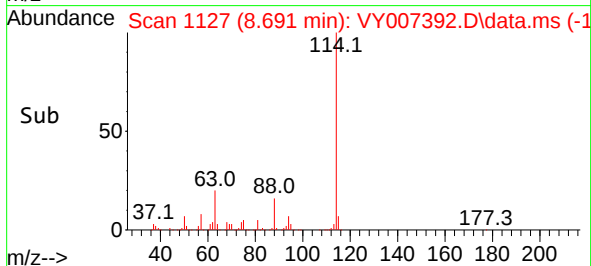
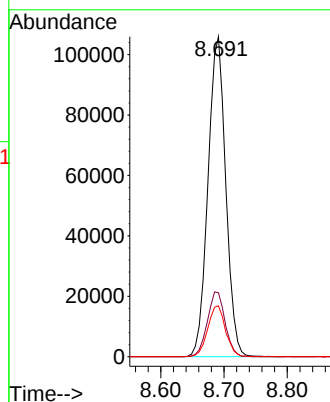
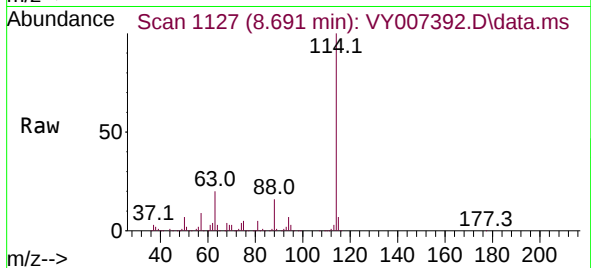
Tgt Ion:114 Resp: 206552

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.936 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY007392.D

Acq: 04 Feb 2022 14:15

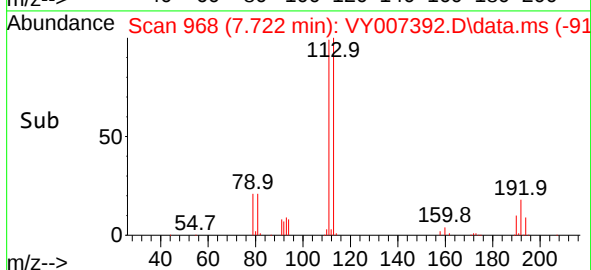
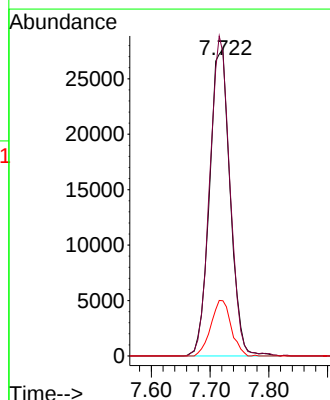
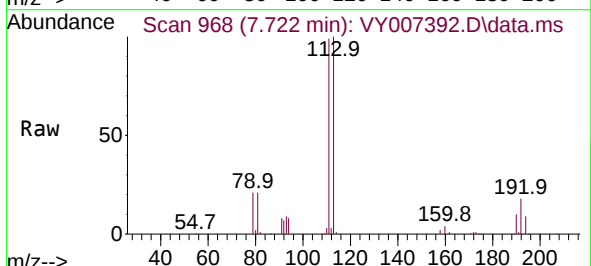
Tgt Ion:113 Resp: 67558

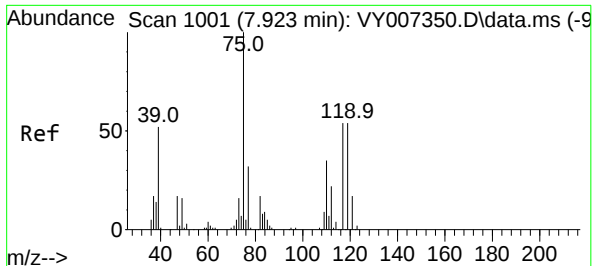
Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 17.7 17.6 26.4

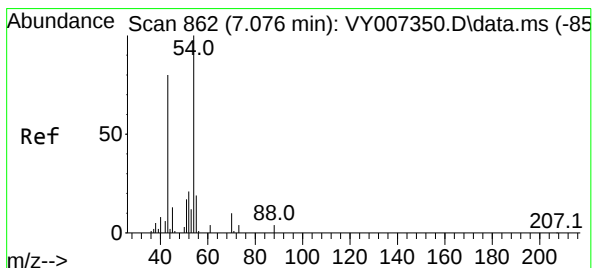
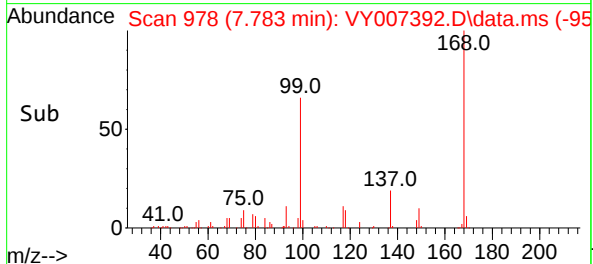
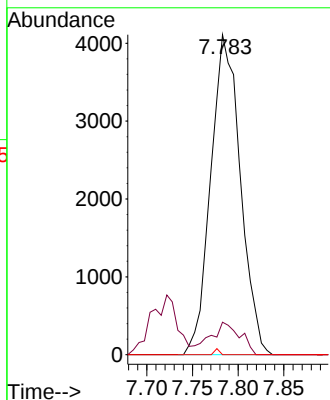
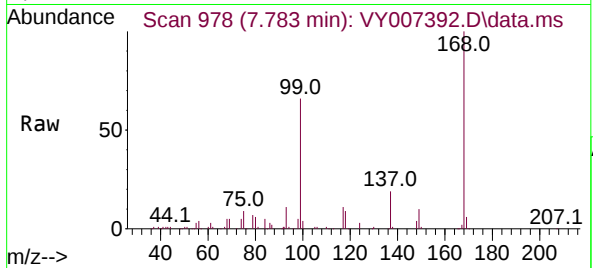




#36
1,1-Dichloropropene
Concen: 3.995 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

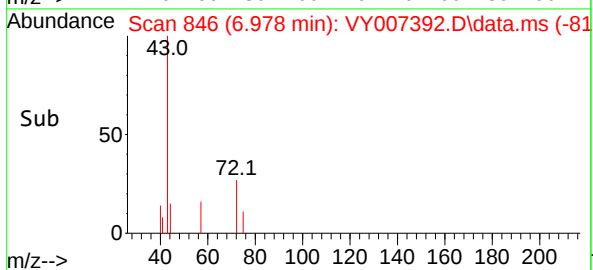
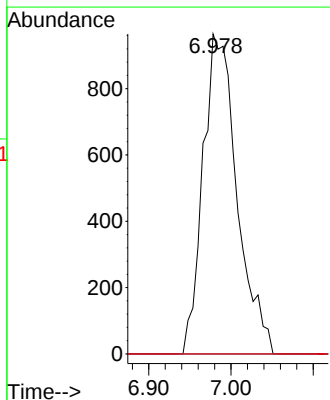
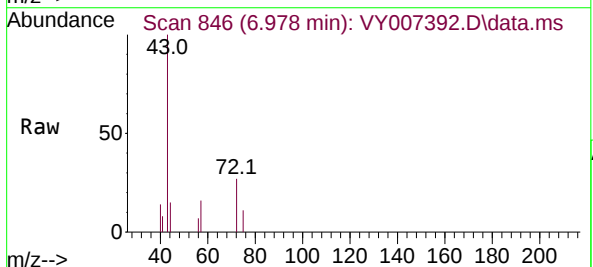
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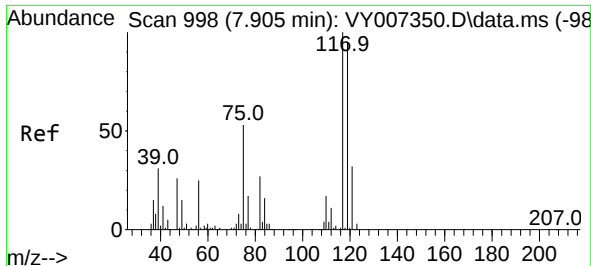
Tgt Ion: 75 Resp: 9264
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.3 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.410 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 43 Resp: 2778
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

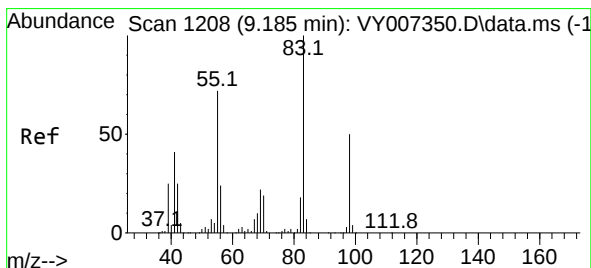
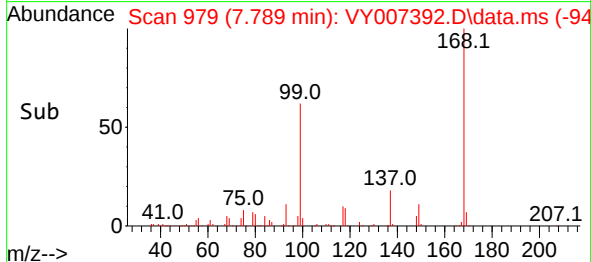
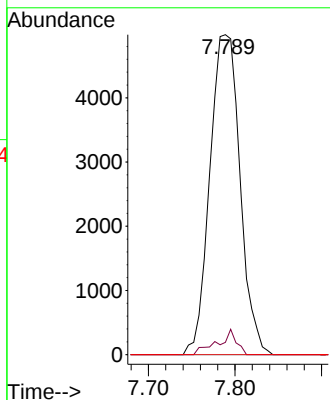
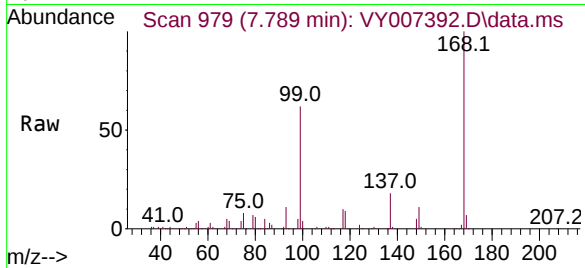




#38
Carbon Tetrachloride
Concen: 4.952 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

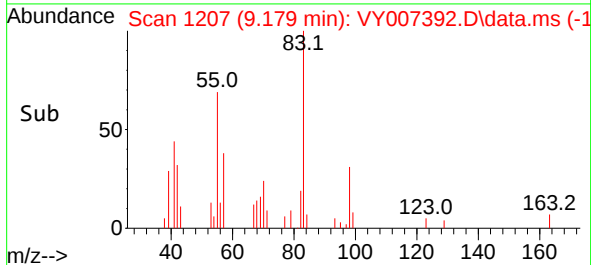
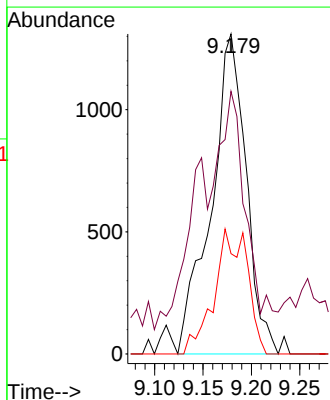
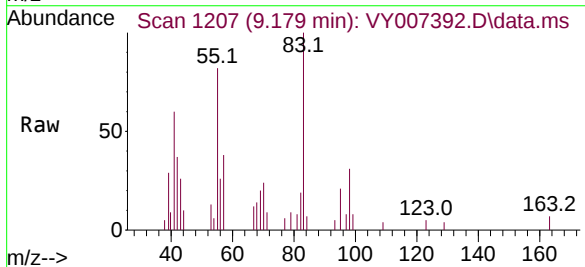
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

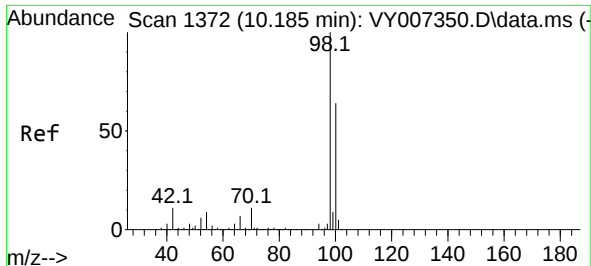
Tgt Ion:117 Resp: 12064
Ion Ratio Lower Upper
117 100
119 3.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.129 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 83 Resp: 3287
Ion Ratio Lower Upper
83 100
55 68.9 66.5 99.7
98 31.4 37.9 56.9#

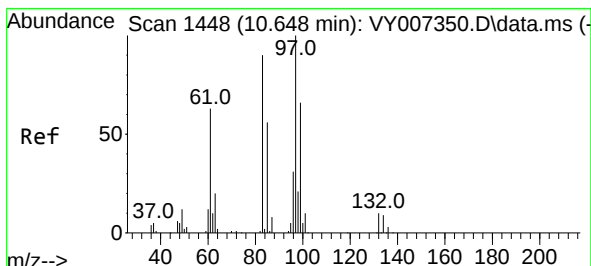
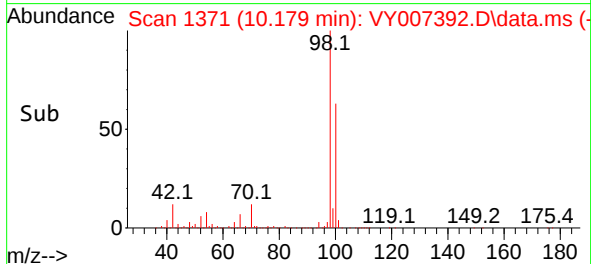
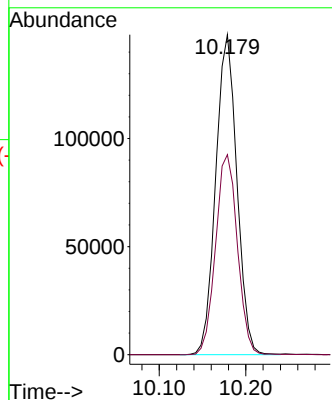
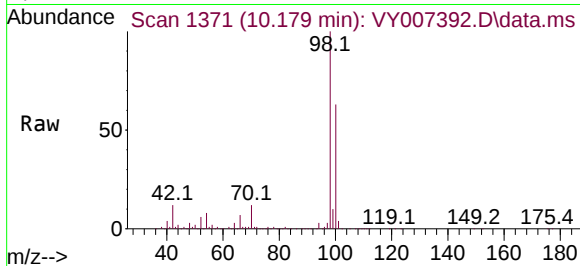




#50
Toluene-d8
Concen: 51.255 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

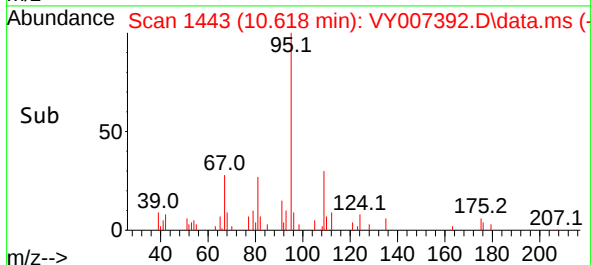
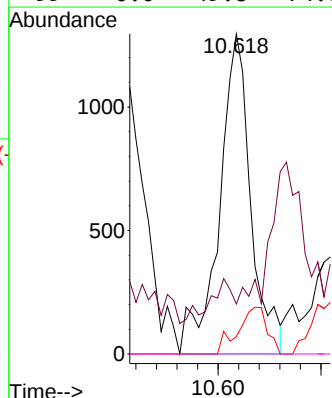
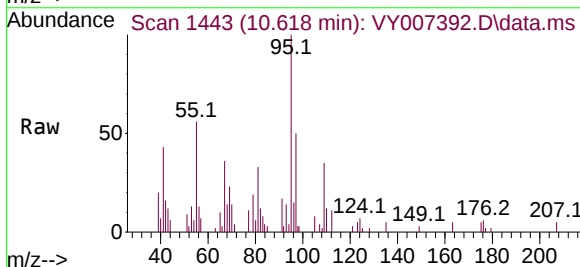
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

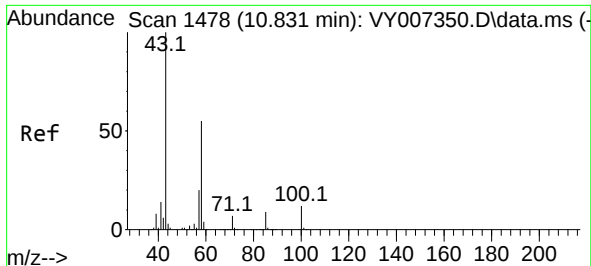
Tgt Ion: 98 Resp: 251158
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 2.323 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 97 Resp: 2751
Ion Ratio Lower Upper
97 100
83 6.1 69.8 104.8#
85 5.4 44.3 66.5#
99 0.0 49.8 74.6#

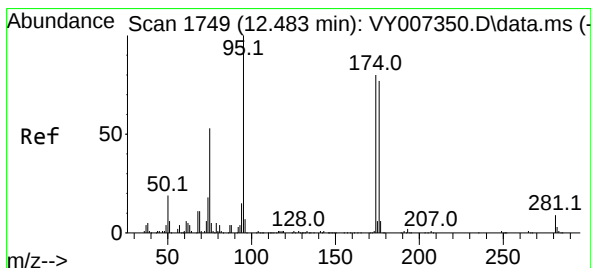
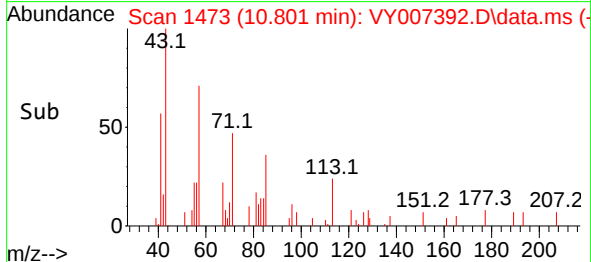
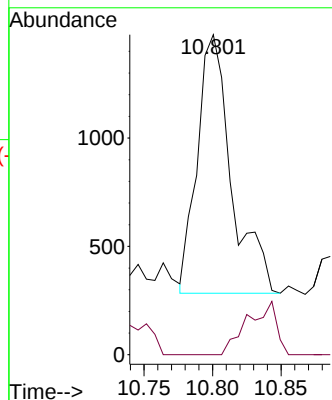
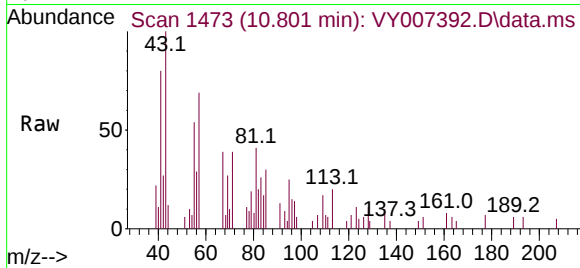




#59
2-Hexanone
Concen: 2.604 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

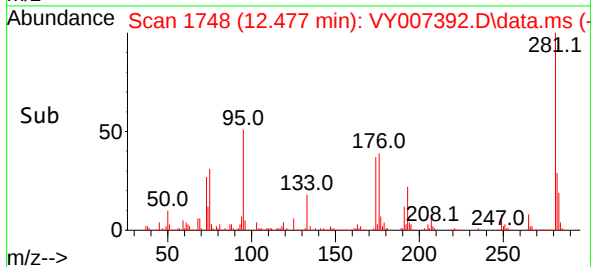
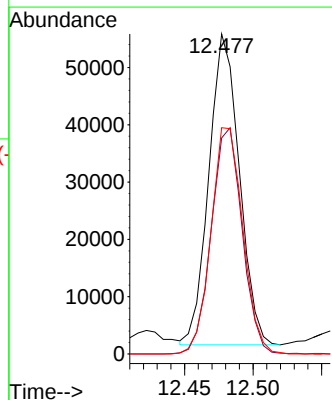
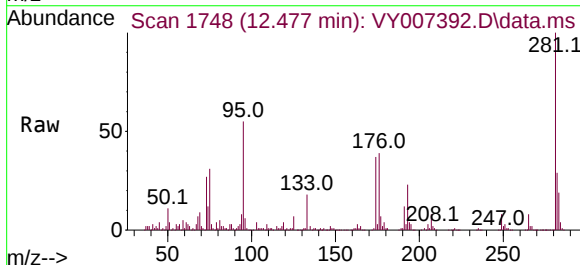
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

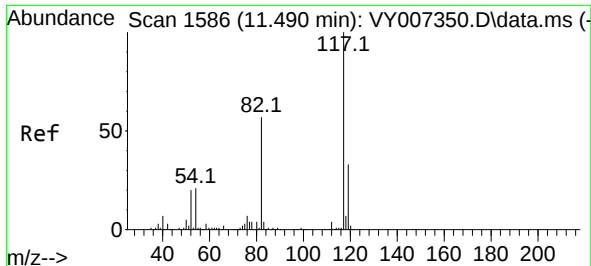
Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 50.229 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 95 Resp: 83658
Ion Ratio Lower Upper
95 100
174 73.8 0.0 177.0
176 76.1 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: VY007392.D

Acq: 04 Feb 2022 14:15

Instrument :

MSVOA_Y

ClientSampleId :

DB-07(13.5-15)-02-02-22

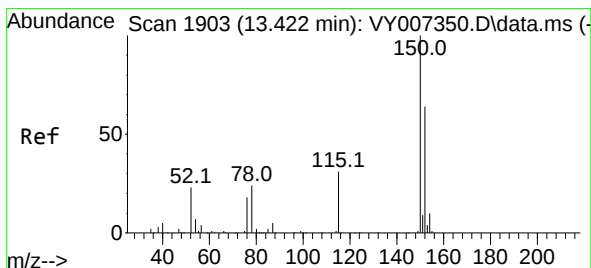
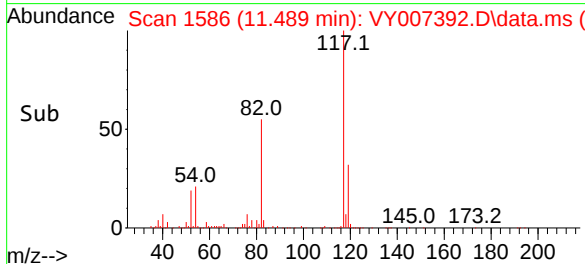
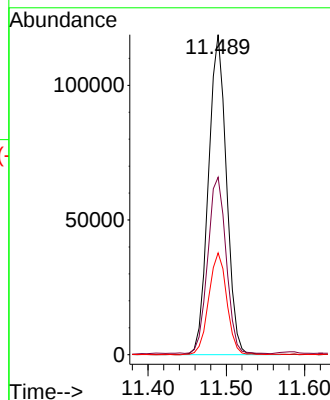
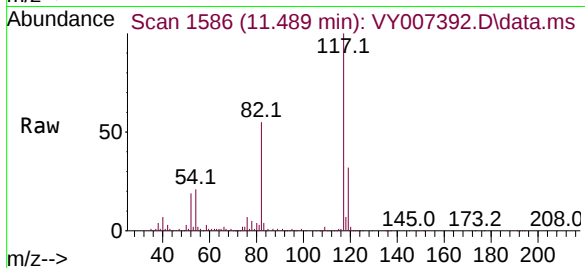
Tgt Ion:117 Resp: 189740

Ion Ratio Lower Upper

117 100

82 54.9 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY007392.D

Acq: 04 Feb 2022 14:15

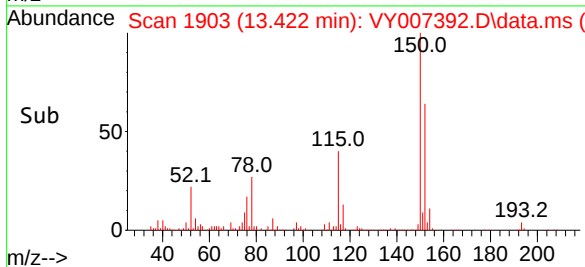
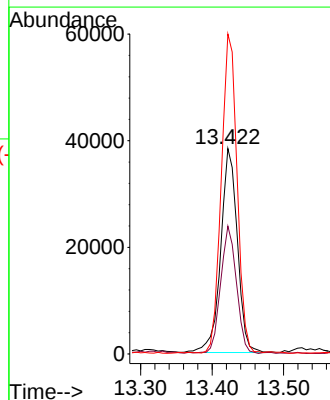
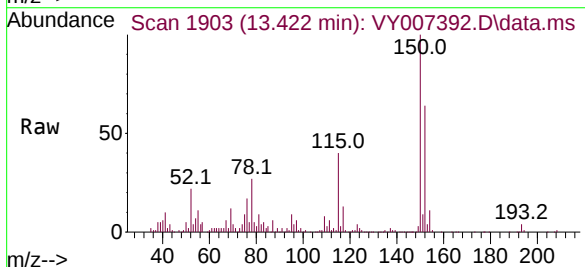
Tgt Ion:152 Resp: 61962

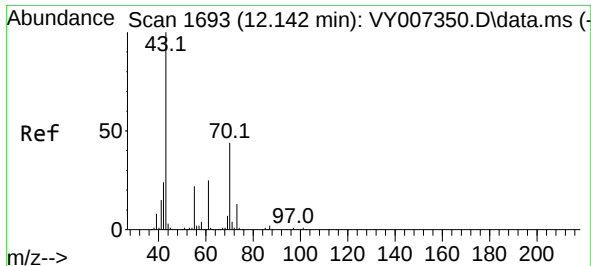
Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.7

150 147.4 0.0 347.6

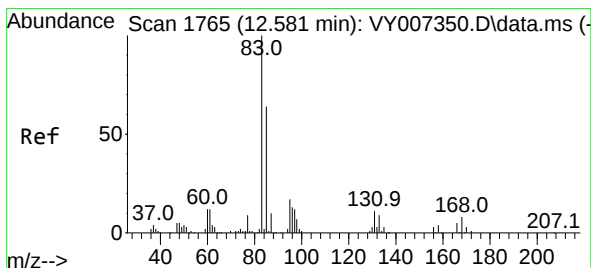
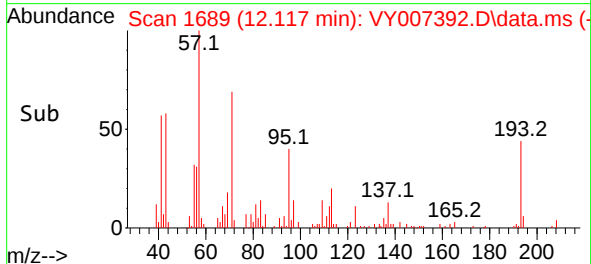
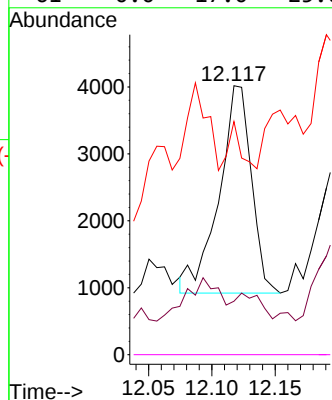
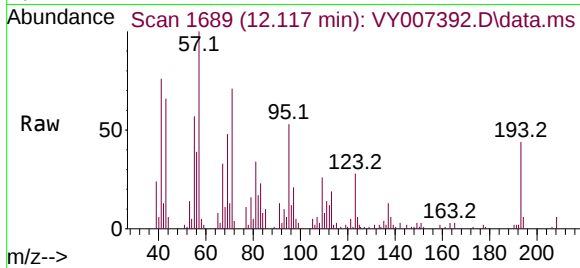




#74
N-amy1 acetate
Concen: 3.932 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

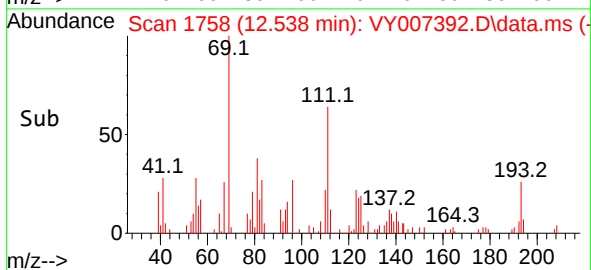
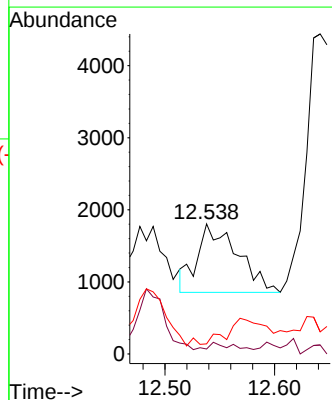
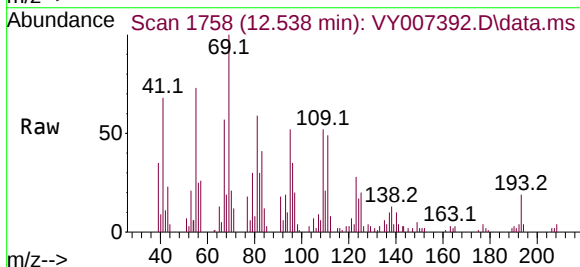
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

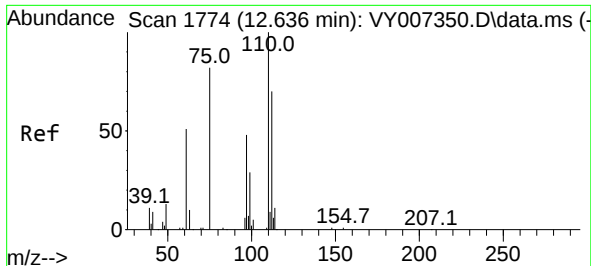
Tgt Ion: 43	Resp: 5512
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 0.0	17.3 25.9#
61 0.0	17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.337 ug/l
RT: 12.538 min Scan# 1758
Delta R.T. -0.043 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 83	Resp: 2417		
Ion Ratio	Lower	Upper	
83 100			
131 5.6	5.6	16.8#	
85 0.0	32.3	96.8#	

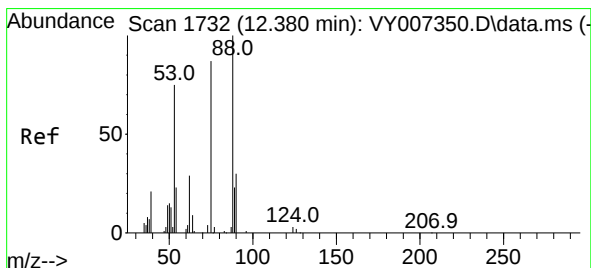
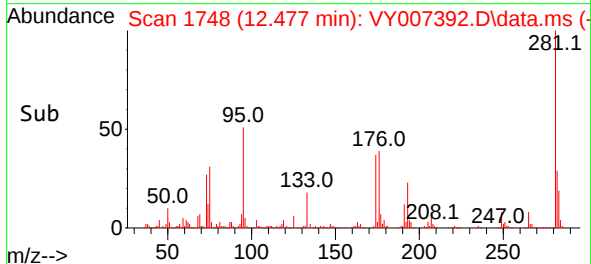
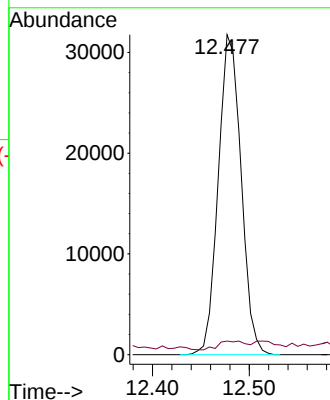
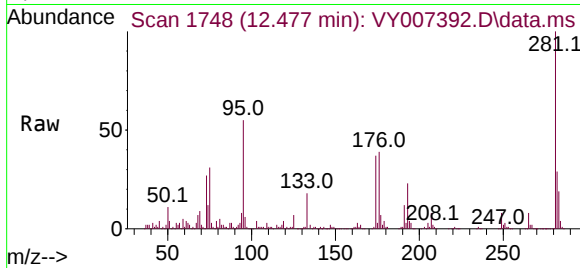




#76
1,2,3-Trichloropropane
Concen: 70.588 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

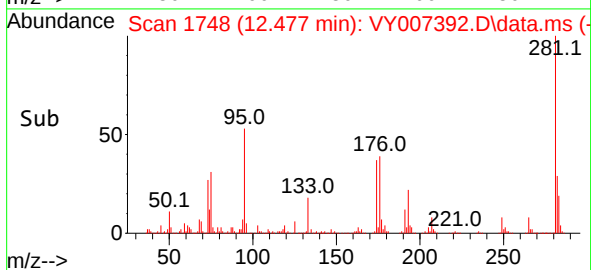
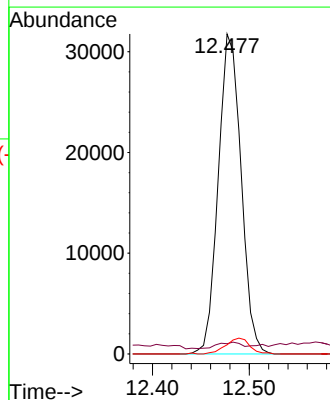
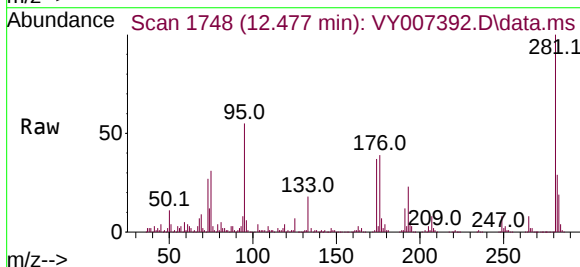
Instrument :
MSVOA_Y
ClientSampleId :
DB-07(13.5-15)-02-02-22

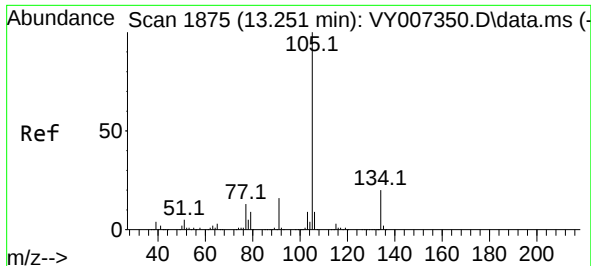
Tgt Ion: 75 Resp: 51996
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.417 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007392.D
Acq: 04 Feb 2022 14:15

Tgt Ion: 75 Resp: 51996
Ion Ratio Lower Upper
75 100
53 2.1 85.3 127.9#
89 5.2 37.0 55.4#

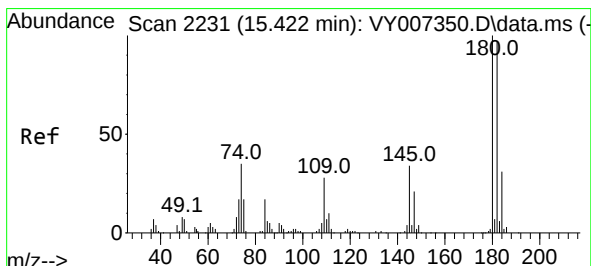
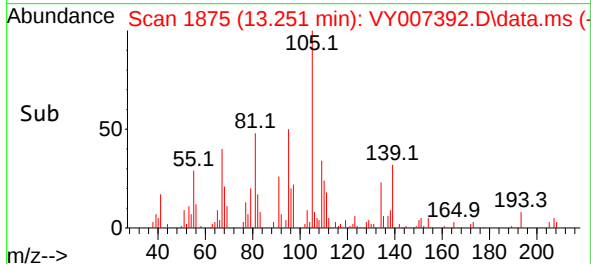
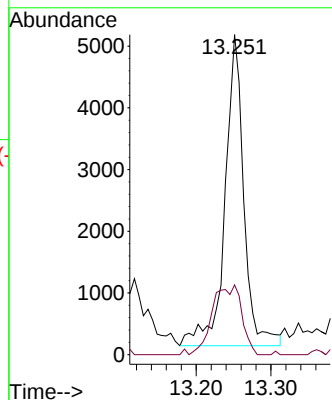
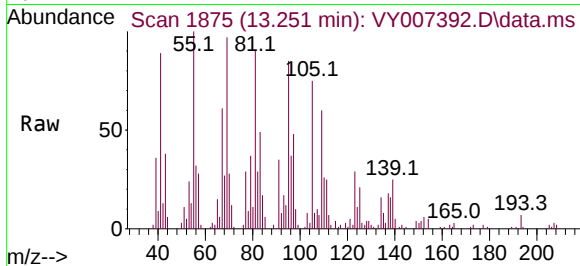




#85
 sec-Butylbenzene
 Concen: 1.467 ug/l
 RT: 13.251 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY007392.D
 Acq: 04 Feb 2022 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-07(13.5-15)-02-02-22

Tgt Ion:105 Resp: 8849
 Ion Ratio Lower Upper
 105 100
 134 34.8 10.2 30.4#



#96
 1,2,3-Trichlorobenzene
 Concen: 1.152 ug/l
 RT: 15.440 min Scan# 2234
 Delta R.T. 0.018 min
 Lab File: VY007392.D
 Acq: 04 Feb 2022 14:15

Tgt Ion:180 Resp: 1172
 Ion Ratio Lower Upper
 180 100
 182 57.4 47.3 141.9
 145 0.0 15.3 45.9#

