

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052421\
 Data File : VY004865.D
 Acq On : 24 May 2021 12:47
 Operator : SY/MD
 Sample : M2250-04
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-06

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:27:15 AM

Quant Time: May 25 01:20:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 01:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	286306	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	253588	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	117843	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	110561	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.765	69	85557	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
11) 1,1-Dichloroethene-d2	3.857	63	155025	19.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.36%
21) 2-Butanone-d5	6.905	46	83290	43.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.06%
24) Chloroform-d	7.484	84	177474	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	8.149	65	112126	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
32) Benzene-d6	8.118	84	403196	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	9.124	67	125444	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.84%
41) Toluene-d8	10.185	98	352576	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.32%
43) trans-1,3-Dichloroprop...	10.441	79	56141	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.80%
47) 2-Hexanone-d5	10.794	63	57280	42.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.12%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	98517	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
66) 1,2-Dichlorobenzene-d4	13.721	152	109237	25.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4337	1.14	ug/L	99
3) Chloromethane	2.113	50	5906	1.26	ug/L	97
5) Vinyl chloride	2.253	62	6096	1.22	ug/L #	80
6) Bromomethane	2.662	94	2861	1.46	ug/L	80
8) Chloroethane	2.796	64	3053	1.05	ug/L	96
9) Trichlorofluoromethane	3.131	101	6938	1.09	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	5421m	1.43	ug/L	
12) 1,1-Dichloroethene	3.875	96	4844	1.37	ug/L #	1
13) Acetone	3.966	43	3571	3.12	ug/L	81
14) Carbon disulfide	4.204	76	13015	1.14	ug/L	100
15) Methyl Acetate	4.491	43	3420m	1.07	ug/L	
16) Methylene chloride	4.729	84	16690	3.40	ug/L	94
17) trans-1,2-Dichloroethene	5.235	96	4263	1.11	ug/L	97
18) Methyl tert-butyl Ether	5.222	73	10481	0.95	ug/L #	74
19) 1,1-Dichloroethane	6.027	63	8156	1.11	ug/L	92
20) cis-1,2-Dichloroethene	6.996	96	4453	1.08	ug/L	98
22) 2-Butanone	7.002	43	3641	1.84	ug/L	87
23) Bromochloromethane	7.332	128	1879m	0.97	ug/L	
25) Chloroform	7.508	83	13268	1.77	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	5504	1.06	ug/L #	92
29) Cyclohexane	7.783	56	6830	1.04	ug/L #	70
30) 1,1,1-Trichloroethane	7.710	97	6859	1.15	ug/L	98
31) Carbon tetrachloride	7.905	117	4311	0.92	ug/L	99
33) Benzene	8.161	78	17411	1.11	ug/L	100
34) Trichloroethene	8.947	95	4497	1.14	ug/L	95
35) Methylcyclohexane	9.185	83	6731	1.01	ug/L	92
37) 1,2-Dichloropropane	9.216	63	4721	1.13	ug/L #	94
38) Bromodichloromethane	9.502	83	5639	1.10	ug/L	83
39) cis-1,3-Dichloropropene	9.935	75	7171	1.11	ug/L	96
40) 4-Methyl-2-pentanone	10.075	43	8976	2.02	ug/L	96
42) Toluene	10.246	91	22825	1.38	ug/L	93
44) trans-1,3-Dichloropropene	10.465	75	9131	1.52	ug/L	94
45) 1,1,2-Trichloroethane	10.648	97	3494	1.08	ug/L	90
46) Tetrachloroethene	10.715	164	3270	1.10	ug/L	96
48) 2-Hexanone	10.837	43	5704	1.90	ug/L	95
49) Dibromochloromethane	10.983	129	3687	1.01	ug/L	97
50) 1,2-Dibromoethane	11.093	107	3238	1.03	ug/L	94
51) Chlorobenzene	11.520	112	11022	1.08	ug/L	95
52) Ethylbenzene	11.593	91	17538	0.98	ug/L	97
53) m,p-Xylene	11.703	106	6561	0.99	ug/L	97
54) o-Xylene	12.032	106	5884	0.93	ug/L	95
55) Styrene	12.044	104	9983	0.92	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.587	83	4300	1.09	ug/L	92
59) Bromoform	12.209	173	2126	0.95	ug/L #	97
60) Isopropylbenzene	12.331	105	15873	0.96	ug/L	99
61) 1,2,3-Trichloropropane	12.630	75	3203	1.00	ug/L	95
62) 1,3,5-Trimethylbenzene	12.812	105	12193	0.92	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	13116	0.99	ug/L	98
64) 1,3-Dichlorobenzene	13.361	146	7738	1.10	ug/L	91
65) 1,4-Dichlorobenzene	13.446	146	8155	1.14	ug/L	90
67) 1,2-Dichlorobenzene	13.739	146	7269	1.11	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.355	75	795m	1.09	ug/L	
69) 1,3,5-Trichlorobenzene	14.501	180	5427	1.14	ug/L	97
70) 1,2,4-trichlorobenzene	15.001	180	4278	1.08	ug/L	97
71) Naphthalene	15.233	128	9249	0.92	ug/L	97
72) 1,2,3-Trichlorobenzene	15.422	180	3885	1.08	ug/L	96

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

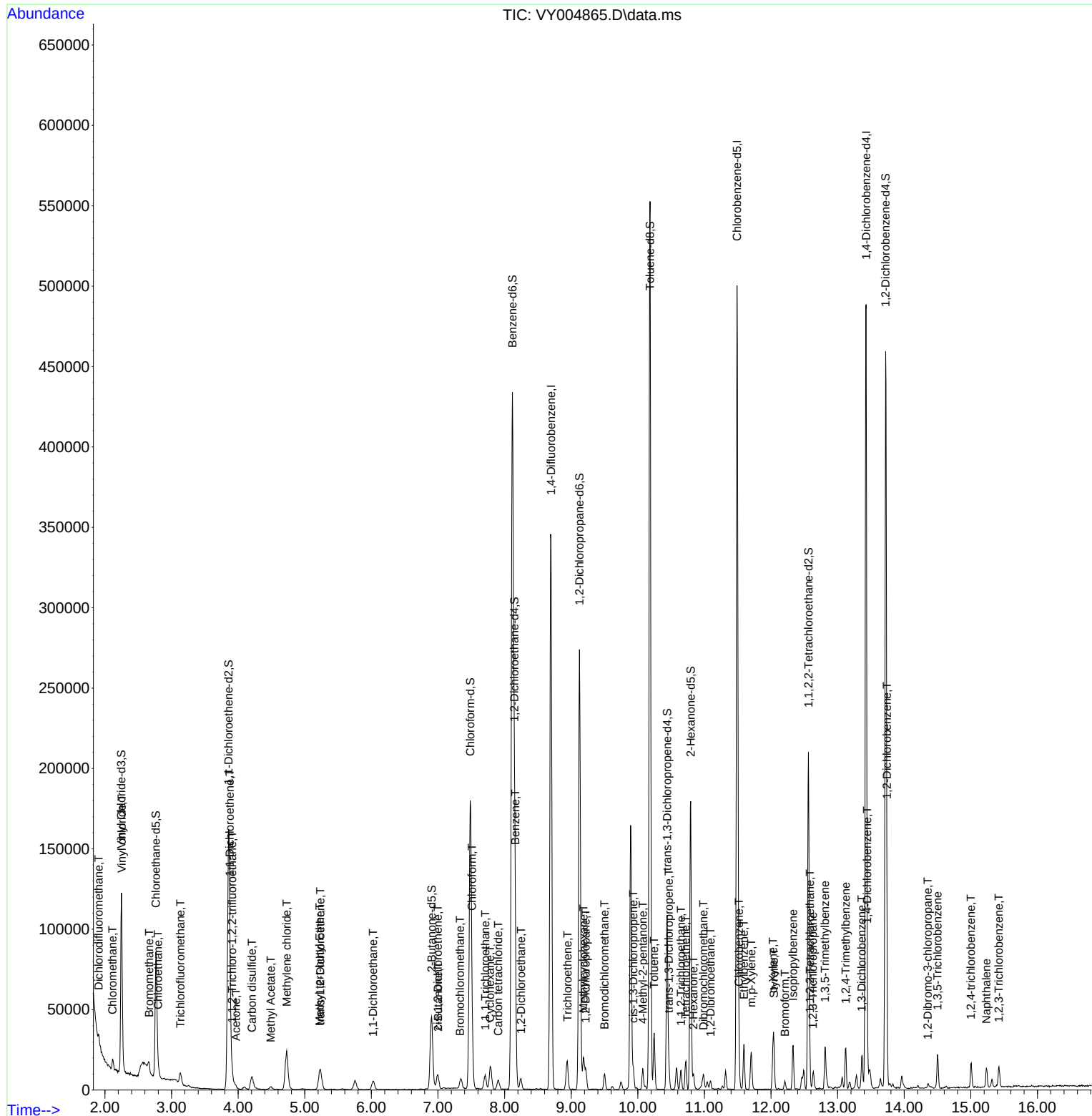
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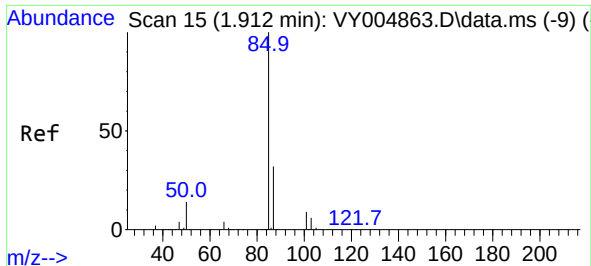
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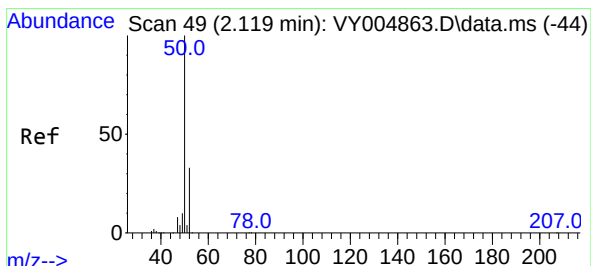
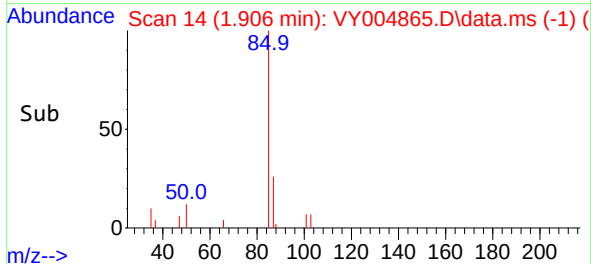
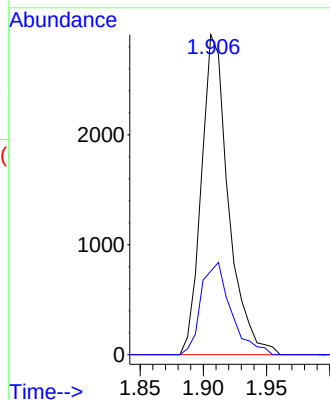
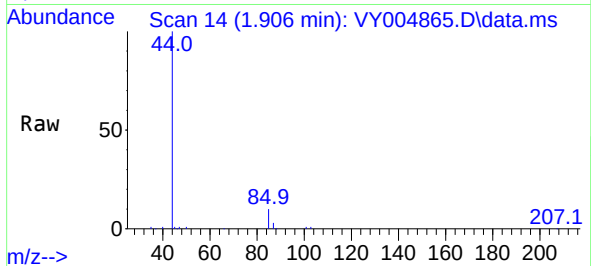
#2
Dichlorodifluoromethane
Concen: 1.14 ug/L
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 85 Resp: 4337
Ion Ratio Lower Upper
85 100
87 31.9 26.2 39.2

Instrument :
MSVOA_Y
ClientSampleId :
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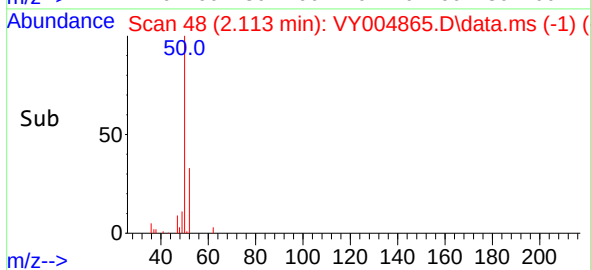
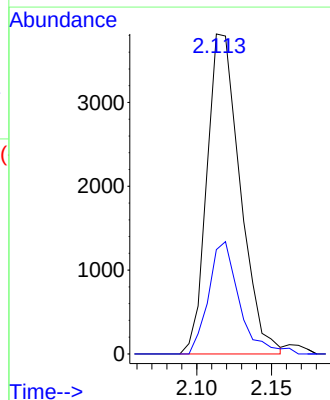
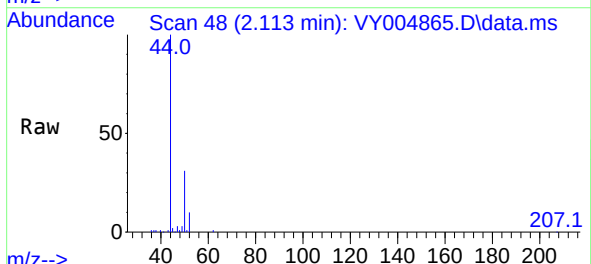
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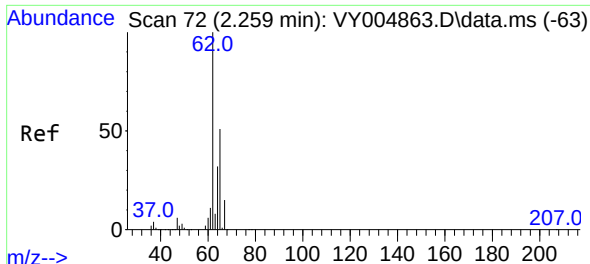
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#3
Chloromethane
Concen: 1.26 ug/L
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 50 Resp: 5906
Ion Ratio Lower Upper
50 100
52 32.6 21.8 40.4





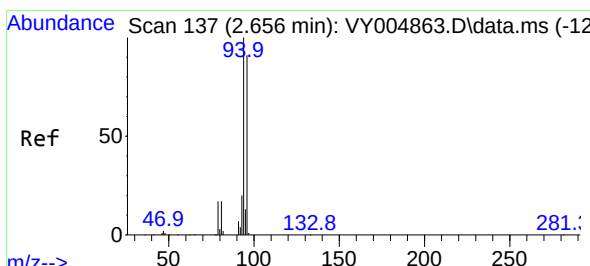
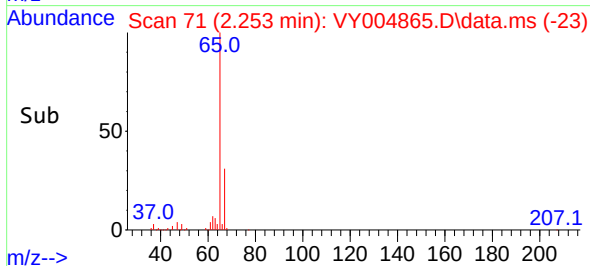
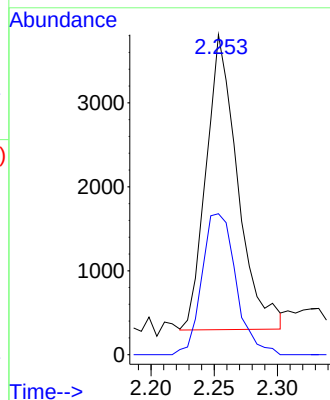
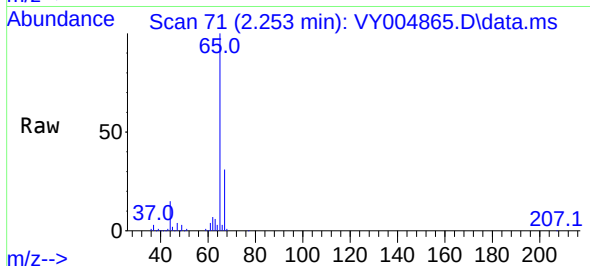
#5
 Vinyl chloride
 Concen: 1.22 ug/L
 RT: 2.253 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VY004865.D
 Acq: 24 May 2021 12:47

Tgt Ion: 62 Resp: 6096
 Ion Ratio Lower Upper
 62 100
 64 44.1 22.8 42.4#

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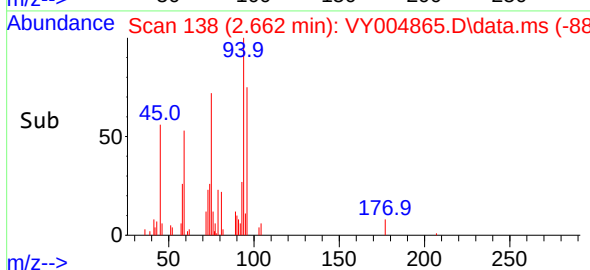
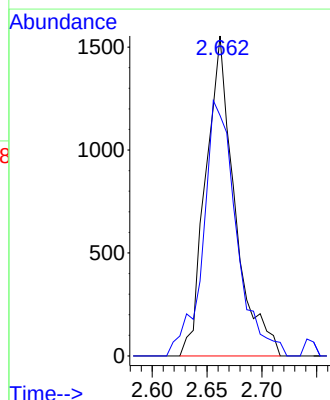
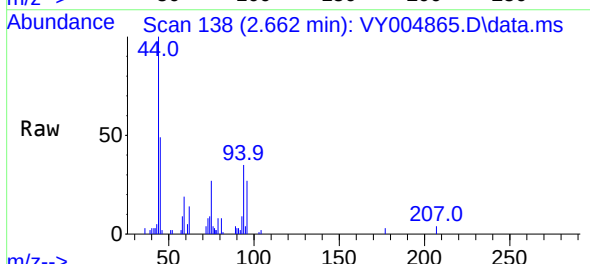
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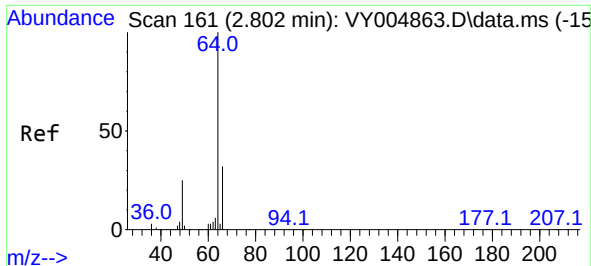
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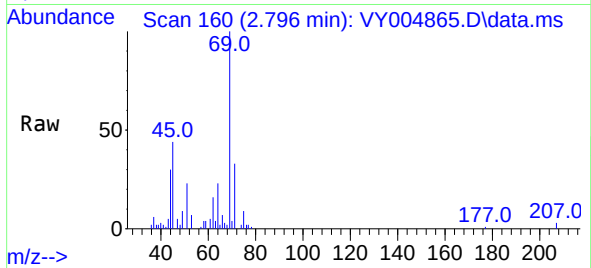
#6
 Bromomethane
 Concen: 1.46 ug/L
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY004865.D
 Acq: 24 May 2021 12:47

Tgt Ion: 94 Resp: 2861
 Ion Ratio Lower Upper
 94 100
 96 75.2 65.9 122.5

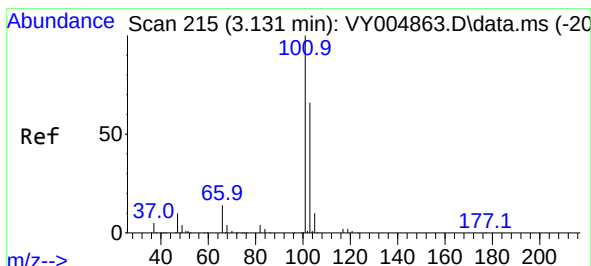
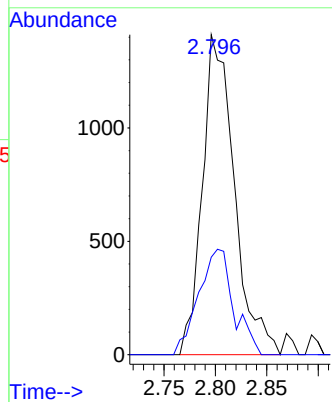
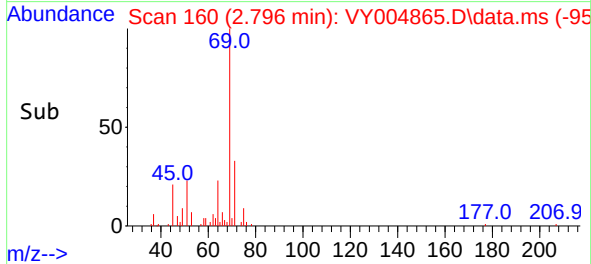




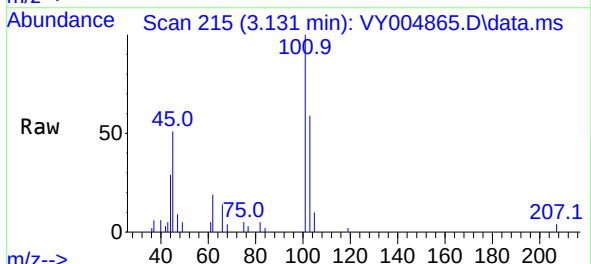
#8
Chloroethane
Concen: 1.05 ug/L
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



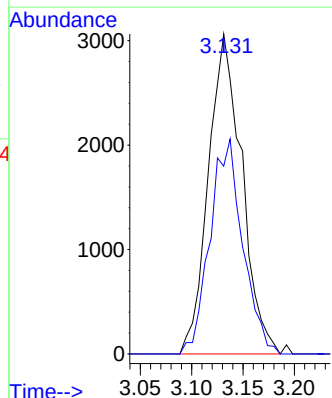
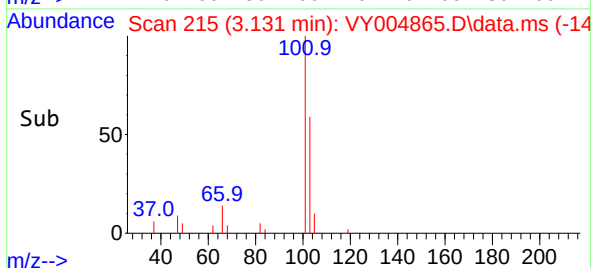
Tgt Ion: 64 Resp: 3053
Ion Ratio Lower Upper
64 100
66 30.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 1.09 ug/L
RT: 3.131 min Scan# 215
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



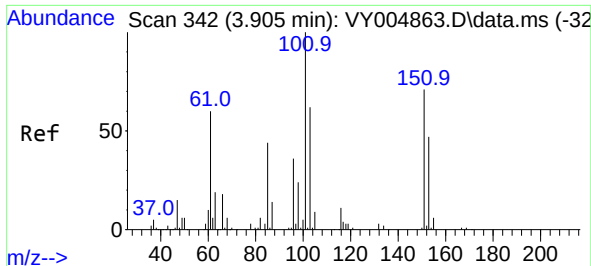
Tgt Ion: 101 Resp: 6938
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2



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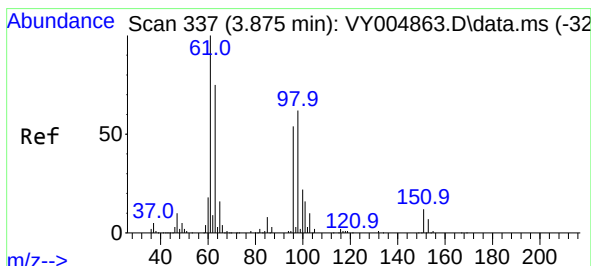
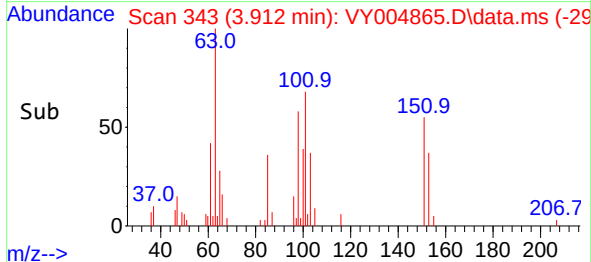
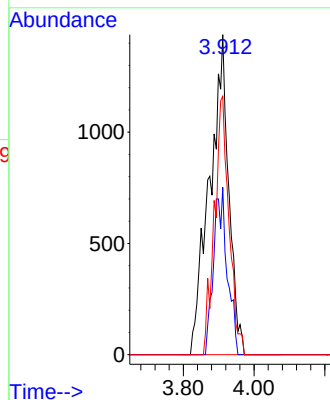
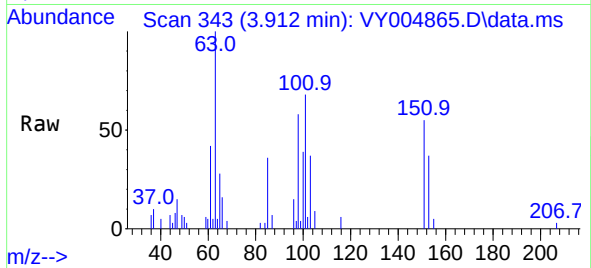
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.43 ug/L m
RT: 3.912 min Scan# 343
Delta R.T. 0.007 min
Lab File: VY004865.D
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Tgt Ion: 101 Resp: 5421
Ion Ratio Lower Upper
101 100
85 0.0 36.6 54.8#
151 59.7 59.0 88.4

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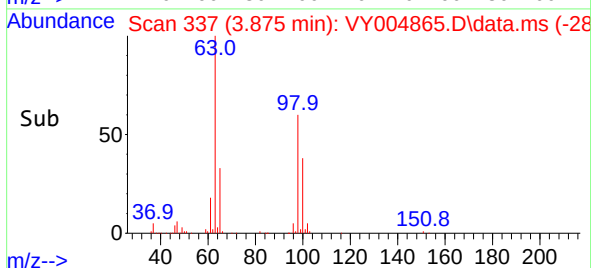
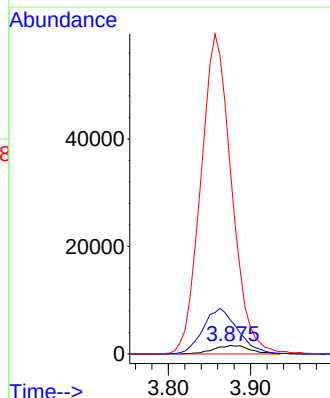
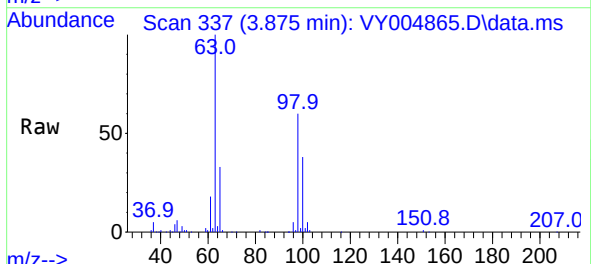
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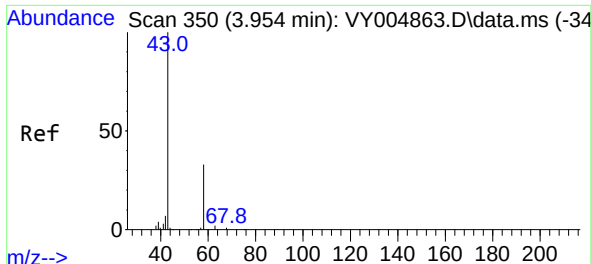
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#12
1,1-Dichloroethene
Concen: 1.37 ug/L
RT: 3.875 min Scan# 337
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 96 Resp: 4844
Ion Ratio Lower Upper
96 100
61 403.9 121.2 225.2#
63 2206.9 86.9 161.3#





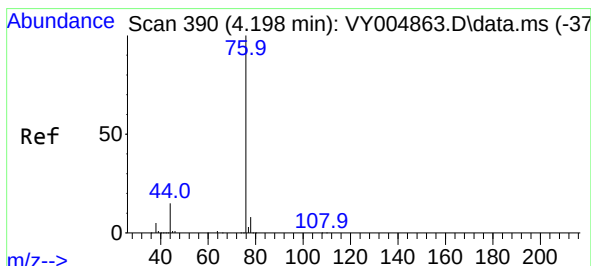
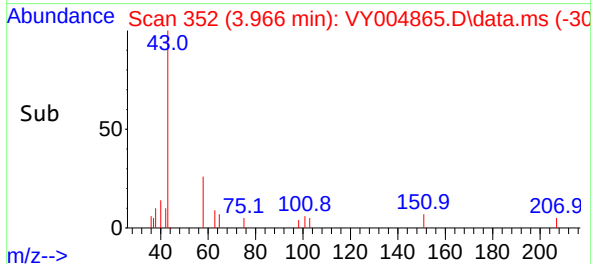
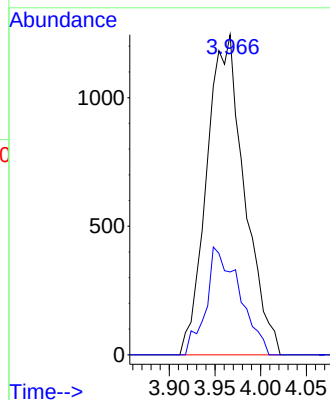
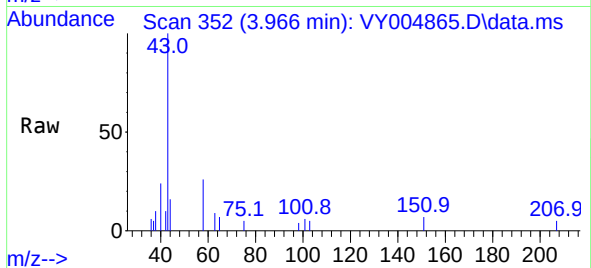
#13
Acetone
Concen: 3.12 ug/L
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004865.D
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Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
58 20.1 0.0 61.0

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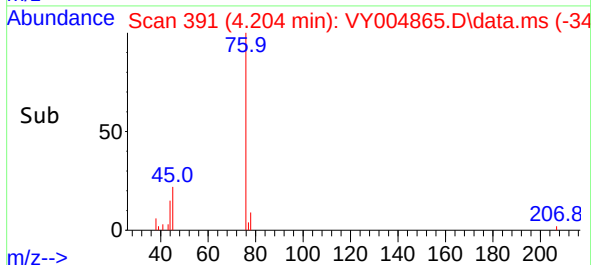
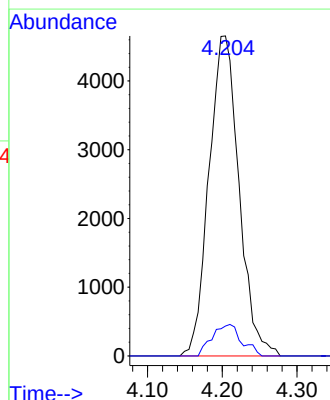
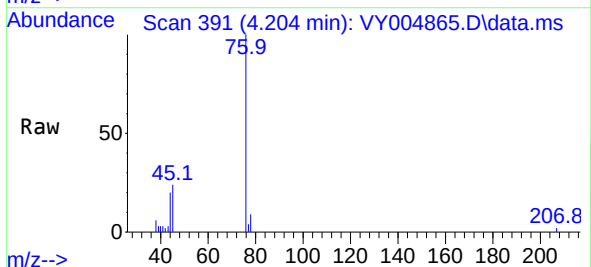
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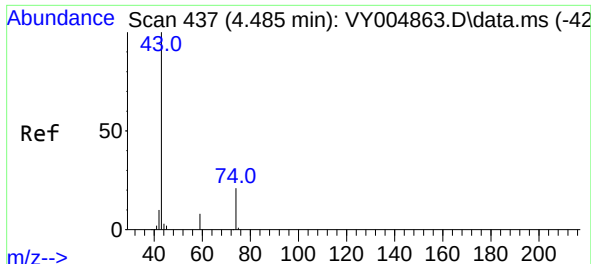
MMDadoda
5/27/2021 10:27:15 AM



#14
Carbon disulfide
Concen: 1.14 ug/L
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 76 Resp: 13015
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 1.07 ug/L m

RT: 4.491 min Scan# 438

Delta R.T. 0.006 min

Lab File: VY004865.D

Acq: 24 May 2021 12:47

Tgt Ion: 43 Resp: 3420

Ion Ratio Lower Upper

43 100

74 12.4 16.7 25.1#

Instrument :

MSVOA_Y

ClientSampleId :

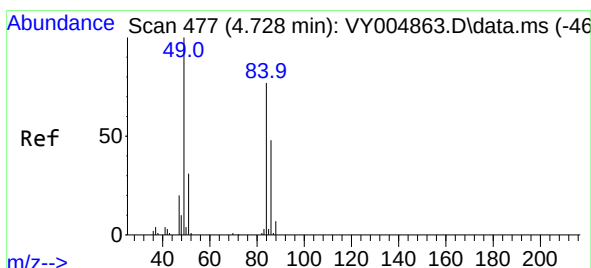
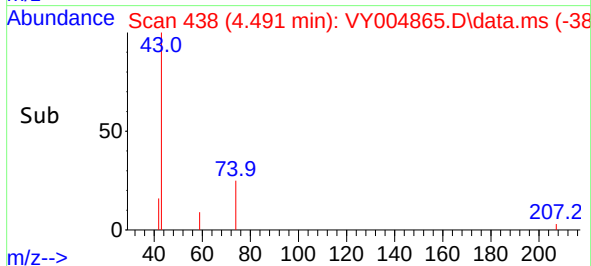
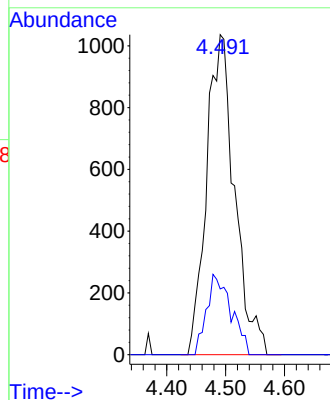
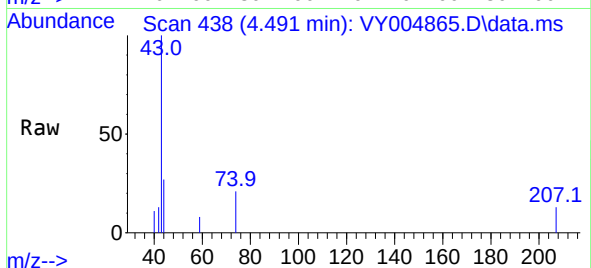
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#16

Methylene chloride

Concen: 3.40 ug/L

RT: 4.729 min Scan# 477

Delta R.T. 0.001 min

Lab File: VY004865.D

Acq: 24 May 2021 12:47

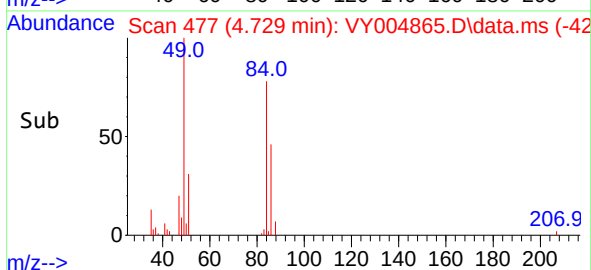
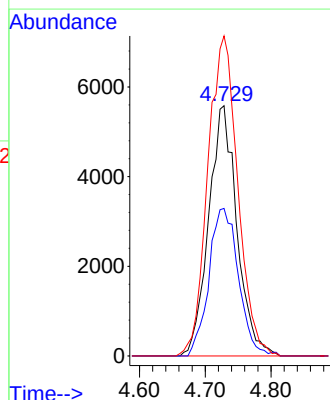
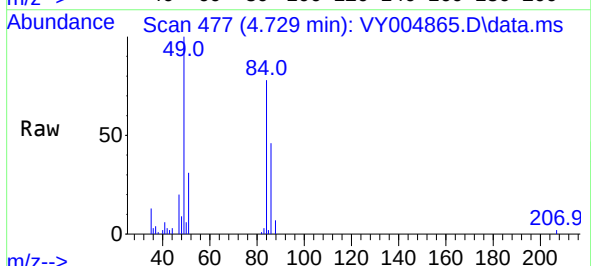
Tgt Ion: 84 Resp: 16690

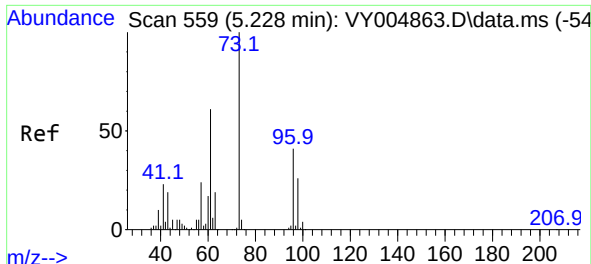
Ion Ratio Lower Upper

84 100

86 59.0 43.2 80.2

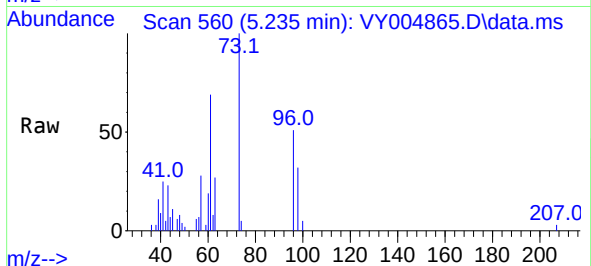
49 127.9 96.0 178.4





#17
trans-1,2-Dichloroethene
Concen: 1.11 ug/L
RT: 5.235 min Scan# 560
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

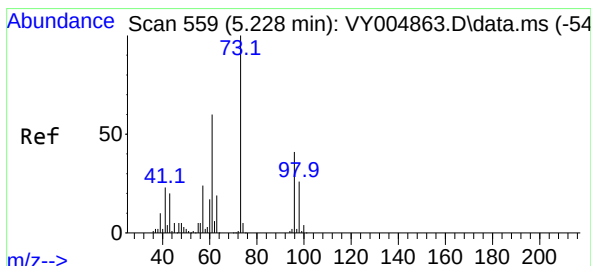
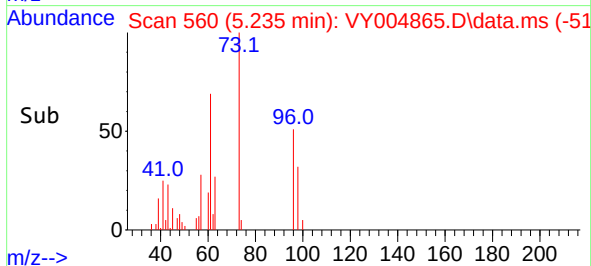
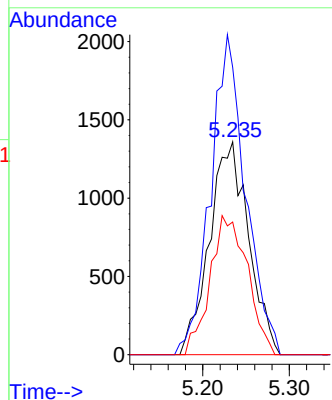


Tgt Ion: 96 Resp: 4263

Ion	Ratio	Lower	Upper
96	100		
61	135.1	97.6	181.2
98	62.3	44.8	83.2

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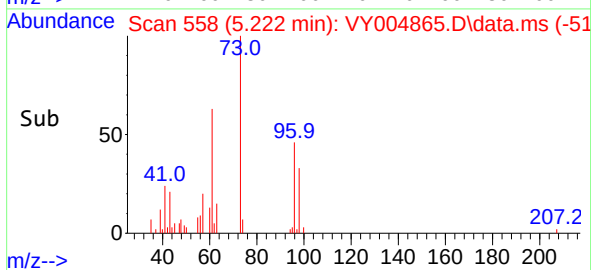
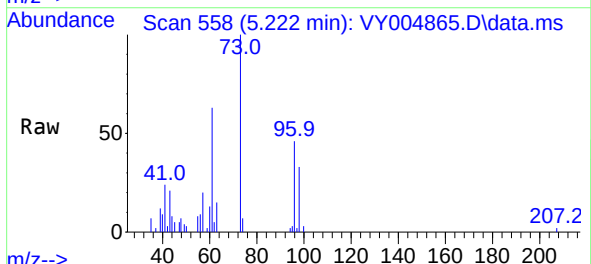
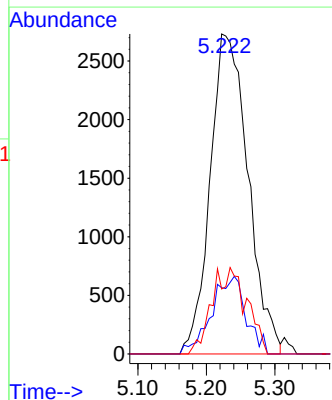
MMDadoda
5/27/2021 10:27:15 AM

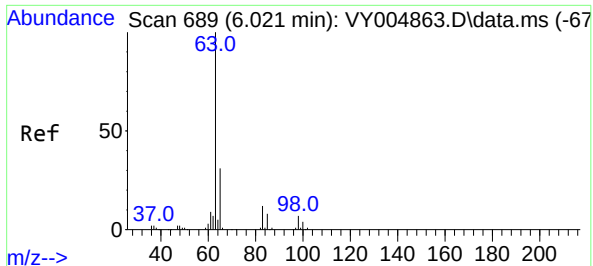


#18
Methyl tert-butyl Ether
Concen: 0.95 ug/L
RT: 5.222 min Scan# 558
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 73 Resp: 10481

Ion	Ratio	Lower	Upper
73	100		
43	10.3	16.8	25.2#
57	9.1	18.7	28.1#





#19

1,1-Dichloroethane

Concen: 1.11 ug/L

RT: 6.027 min Scan# 690

Delta R.T. 0.006 min

Lab File: VY004865.D

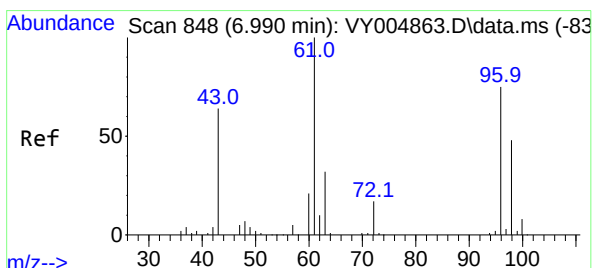
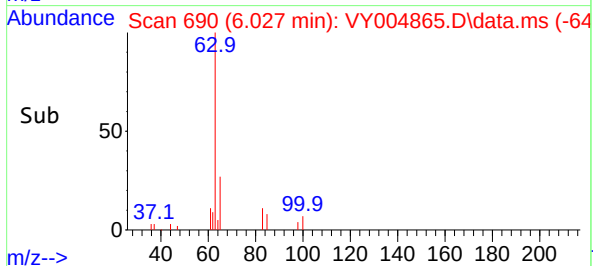
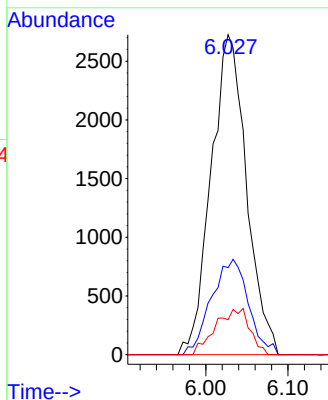
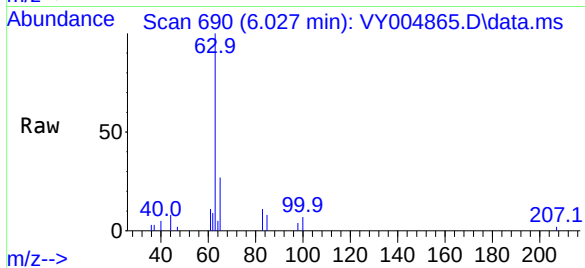
Acq: 24 May 2021 12:47

Tgt Ion:	63	Resp:	8156
Ion	Ratio	Lower	Upper
63	100		
65	27.2	22.4	41.6
83	10.9	9.5	17.7

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

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#20

cis-1,2-Dichloroethene

Concen: 1.08 ug/L

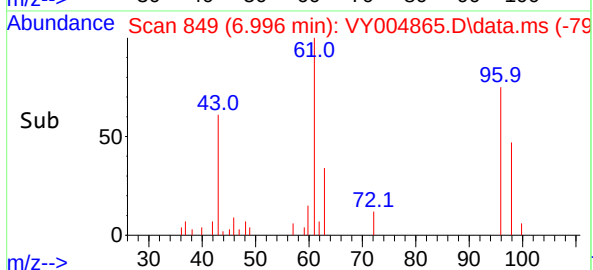
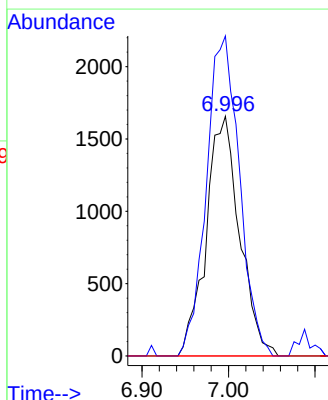
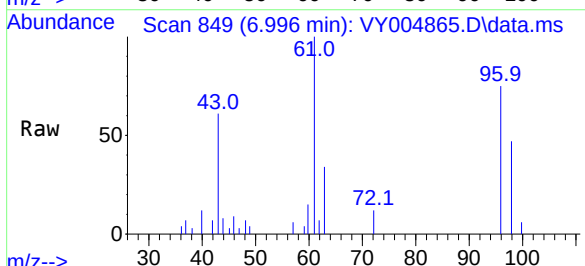
RT: 6.996 min Scan# 849

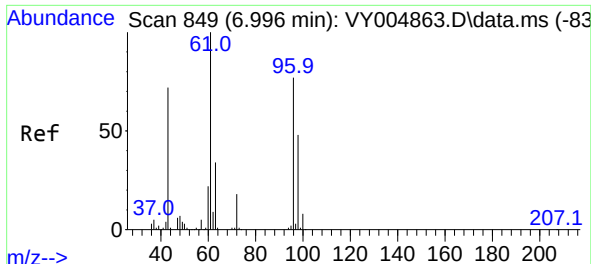
Delta R.T. 0.006 min

Lab File: VY004865.D

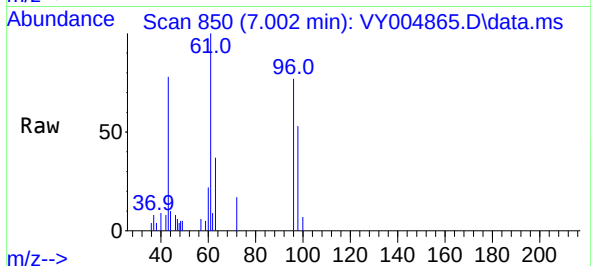
Acq: 24 May 2021 12:47

Tgt Ion:	96	Resp:	4453
Ion	Ratio	Lower	Upper
96	100		
61	133.5	94.8	176.2
68	0.0	0.0	0.0

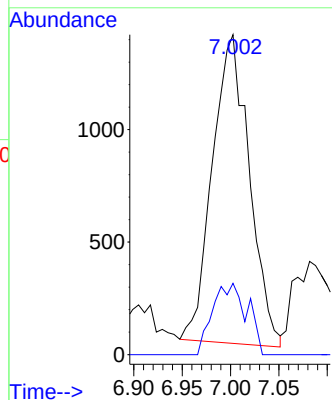
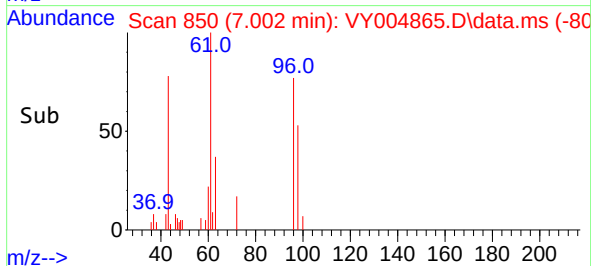




#22
2-Butanone
Concen: 1.84 ug/L
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



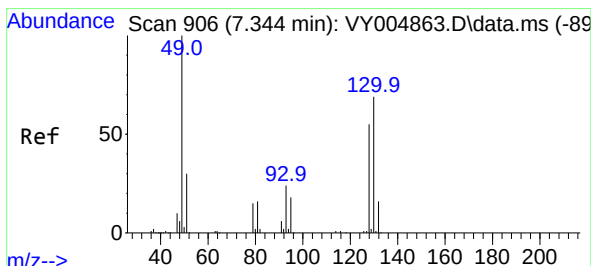
Tgt Ion: 43 Resp: 3641
Ion Ratio Lower Upper
43 100
72 17.9 12.2 36.6



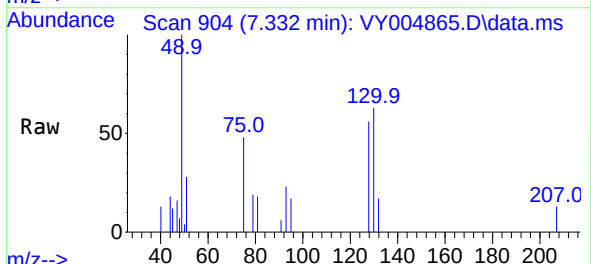
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

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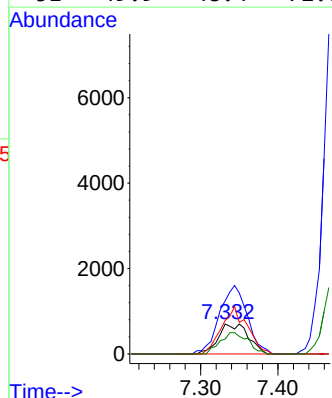
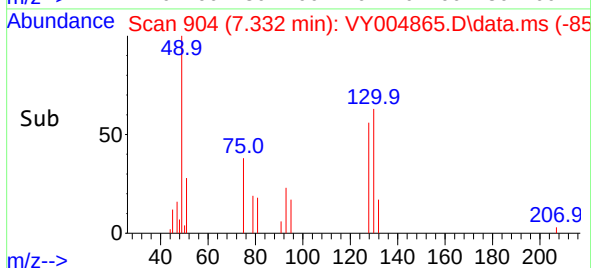
MMDadoda
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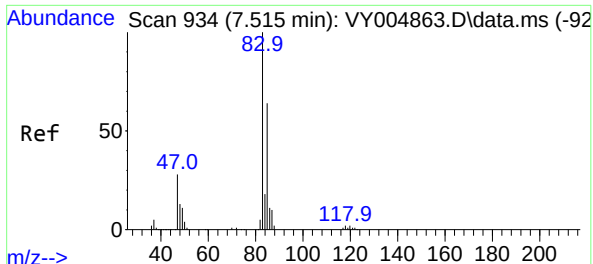


#23
Bromochloromethane
Concen: 0.97 ug/L m
RT: 7.332 min Scan# 904
Delta R.T. -0.012 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



Tgt Ion: 128 Resp: 1879
Ion Ratio Lower Upper
128 100
49 177.6 138.9 258.1
130 111.7 88.3 164.1
51 49.9 48.4 72.6





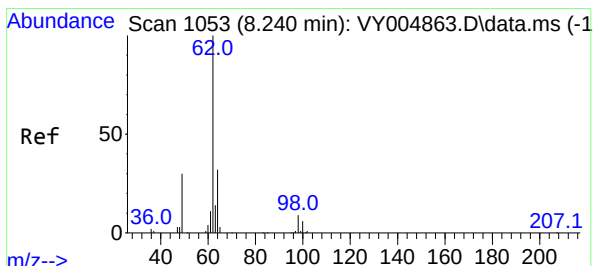
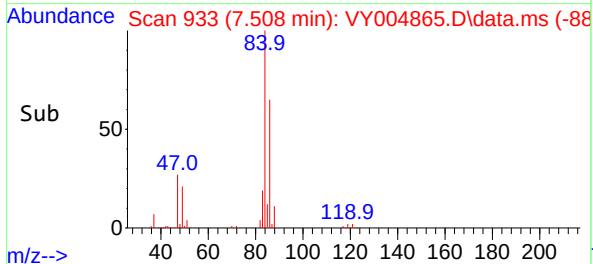
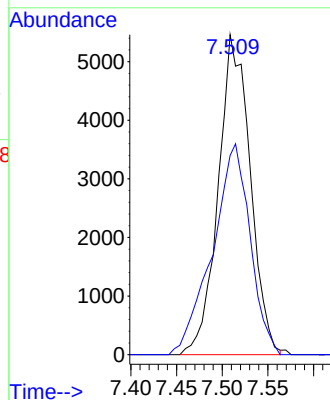
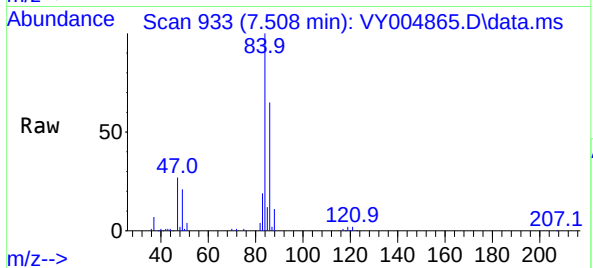
#25
Chloroform
Concen: 1.77 ug/L
RT: 7.508 min Scan# 933
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 83 Resp: 13268
Ion Ratio Lower Upper
83 100
85 62.3 45.4 84.4

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

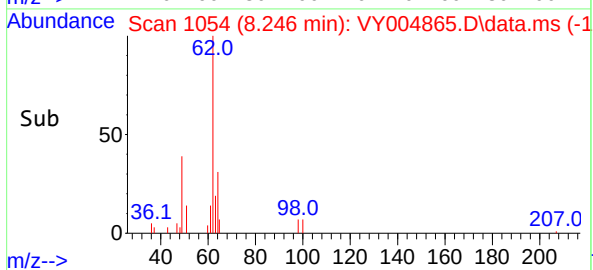
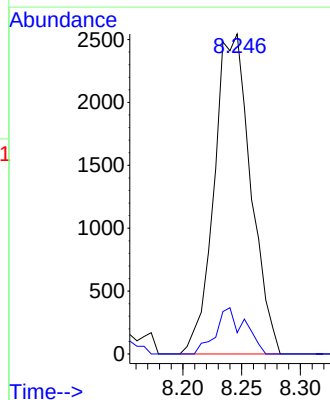
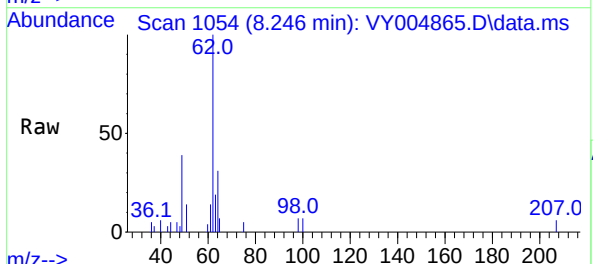
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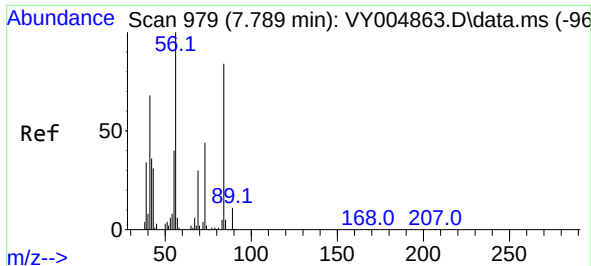
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#27
1,2-Dichloroethane
Concen: 1.06 ug/L
RT: 8.246 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 62 Resp: 5504
Ion Ratio Lower Upper
62 100
98 6.6 7.5 11.3#





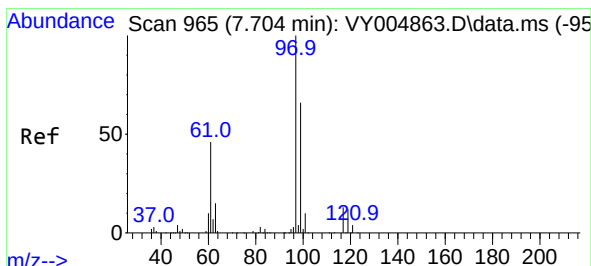
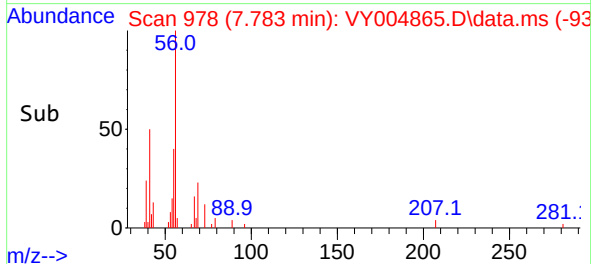
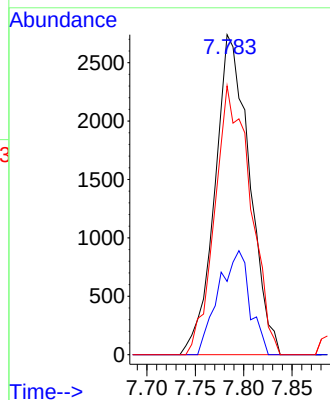
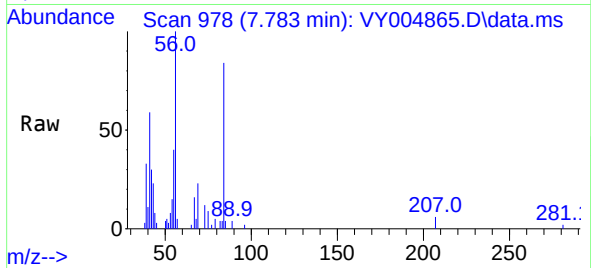
#29
Cyclohexane
Concen: 1.04 ug/L
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 56 Resp: 6830
Ion Ratio Lower Upper
56 100
69 29.4 22.6 33.8
84 47.7 66.1 99.1#

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

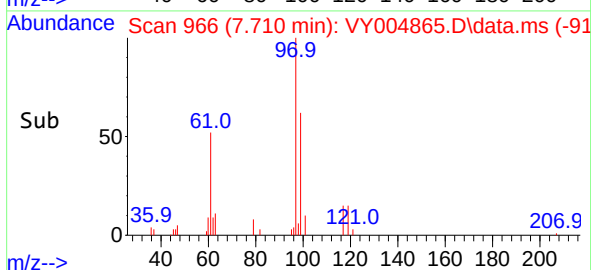
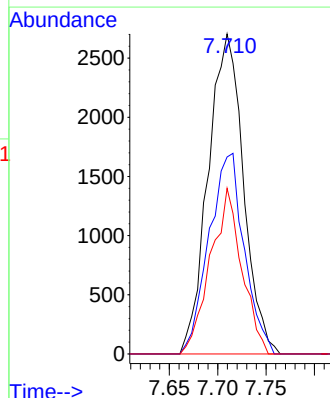
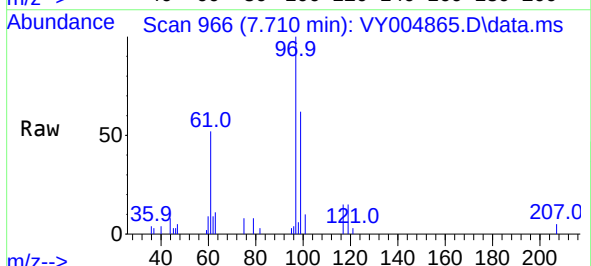
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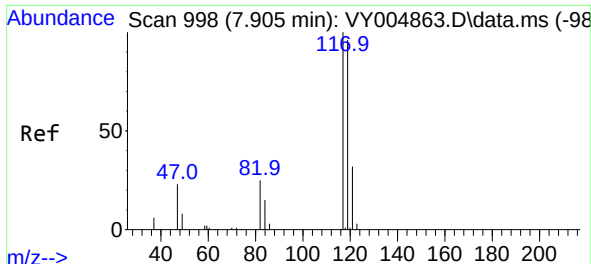
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 1.15 ug/L
RT: 7.710 min Scan# 966
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

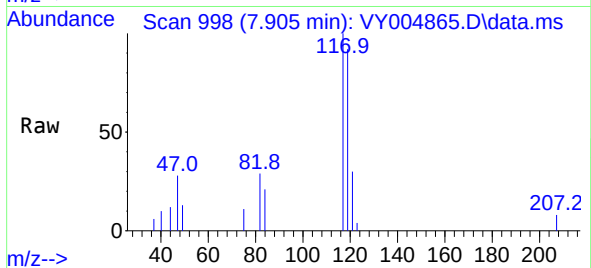
Tgt Ion: 97 Resp: 6859
Ion Ratio Lower Upper
97 100
99 62.7 51.8 77.6
61 46.0 37.3 55.9





#31
Carbon tetrachloride
Concen: 0.92 ug/L
RT: 7.905 min Scan# 998
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

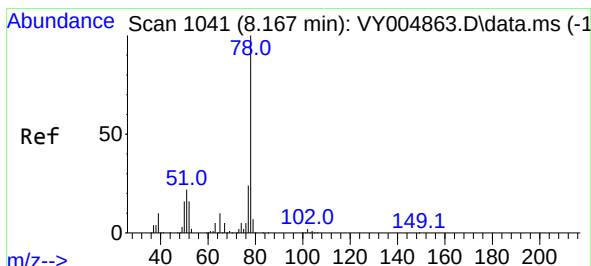
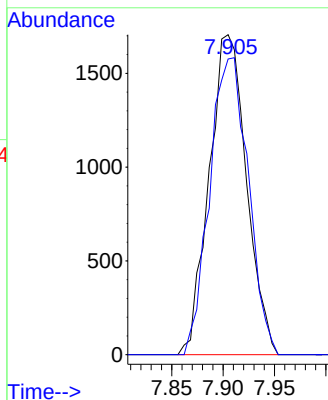
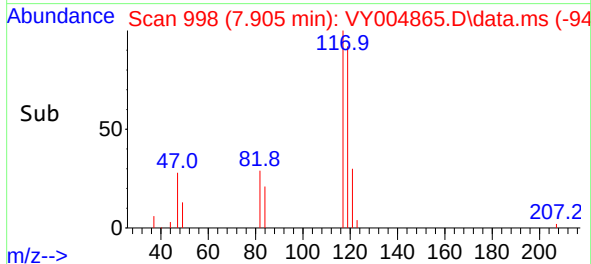
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:117 Resp: 4311
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2

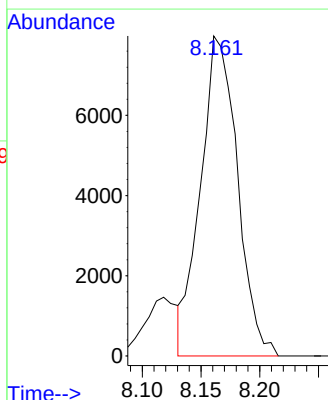
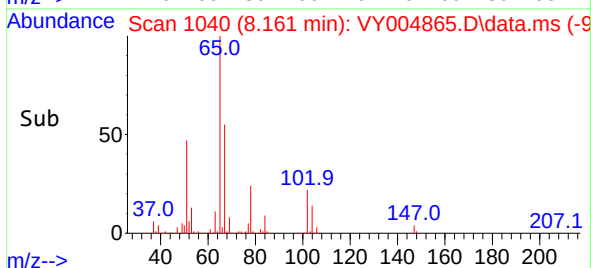
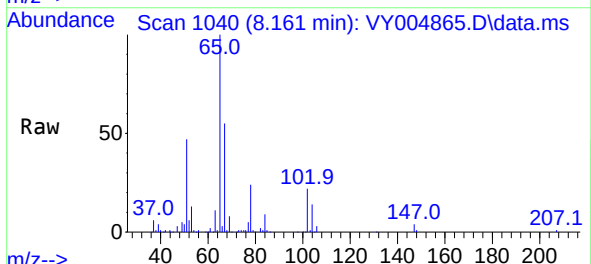
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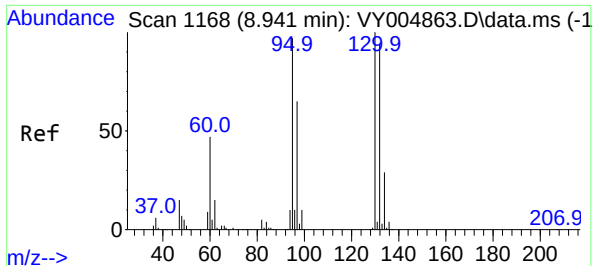
MMDadoda
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#33
Benzene
Concen: 1.11 ug/L
RT: 8.161 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 78 Resp: 17411





#34

Trichloroethene

Concen: 1.14 ug/L

RT: 8.947 min Scan# 1169

Delta R.T. 0.006 min

Lab File: VY004865.D

Acq: 24 May 2021 12:47

Tgt Ion: 95 Resp: 4497

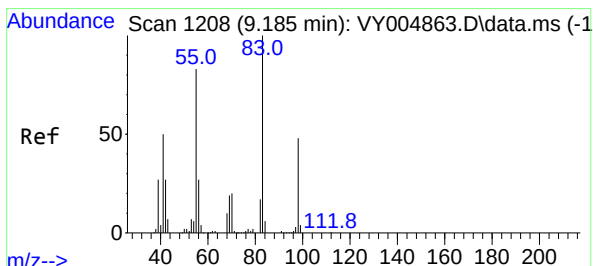
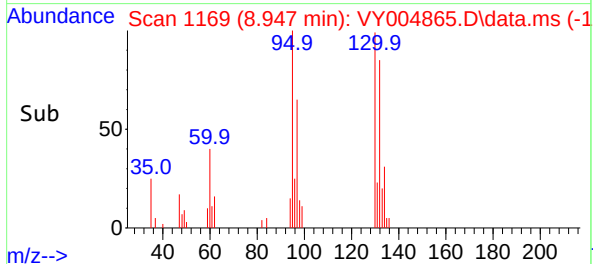
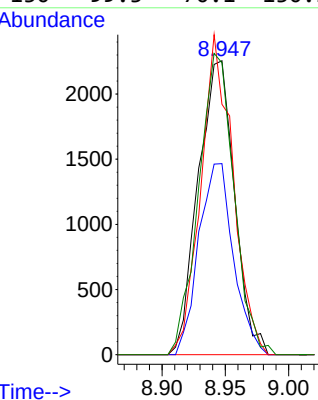
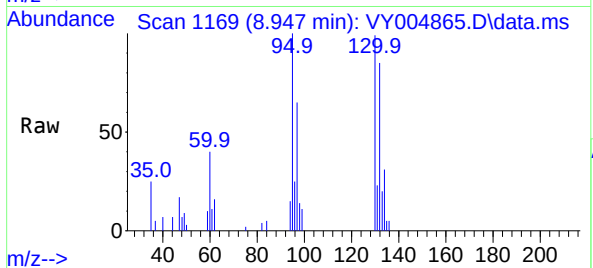
Ion Ratio Lower Upper

95 100

97 65.0 44.2 82.2

132 85.2 66.8 124.0

130 99.3 70.1 130.1



#35

Methylcyclohexane

Concen: 1.01 ug/L

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY004865.D

Acq: 24 May 2021 12:47

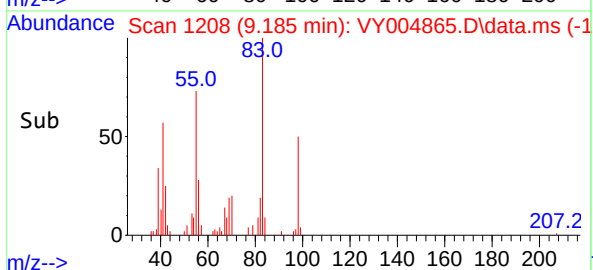
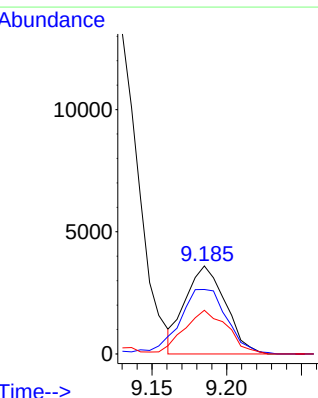
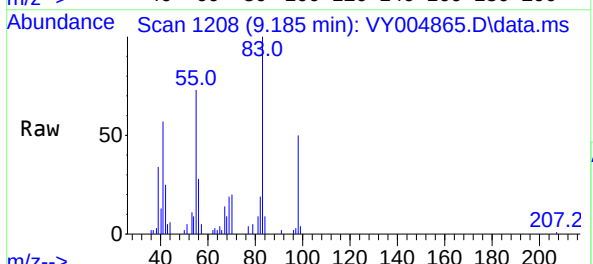
Tgt Ion: 83 Resp: 6731

Ion Ratio Lower Upper

83 100

55 86.6 63.9 95.9

98 53.8 38.7 58.1



Instrument :

MSVOA_Y

ClientSampleId :

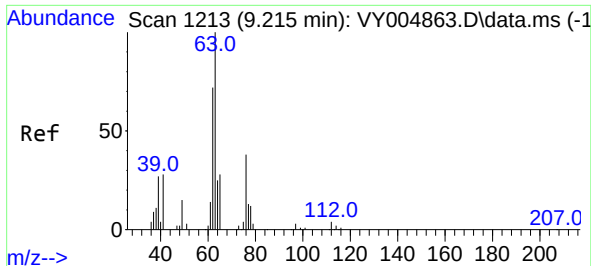
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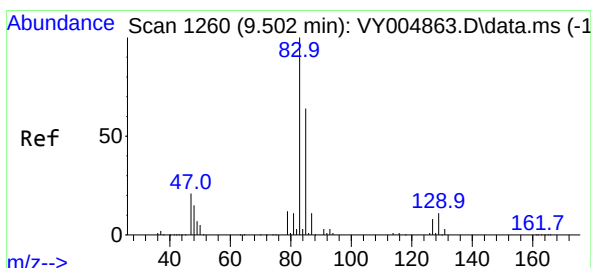
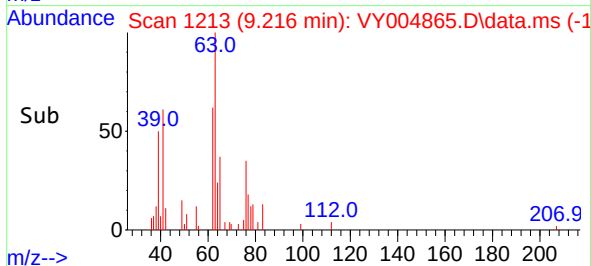
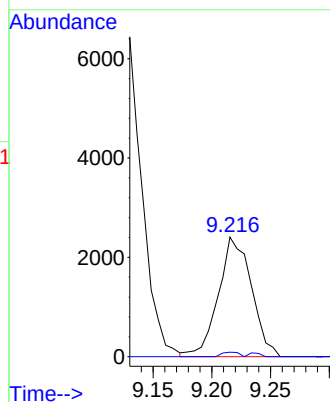
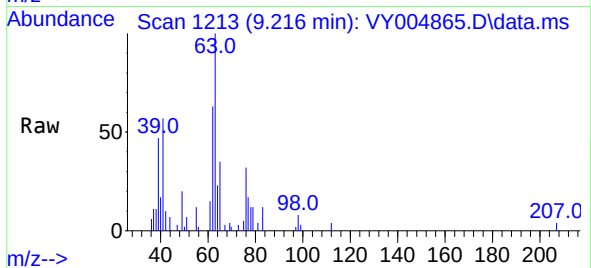
#37
1,2-Dichloropropane
Concen: 1.13 ug/L
RT: 9.216 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 63 Resp: 4721
Ion Ratio Lower Upper
63 100
112 1.9 3.1 4.7#

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

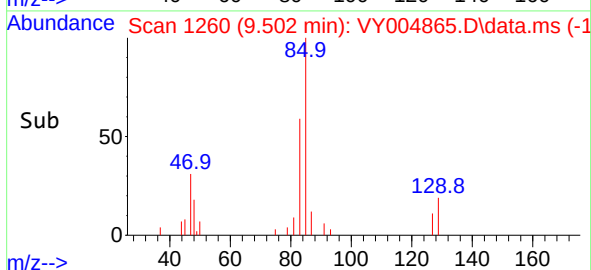
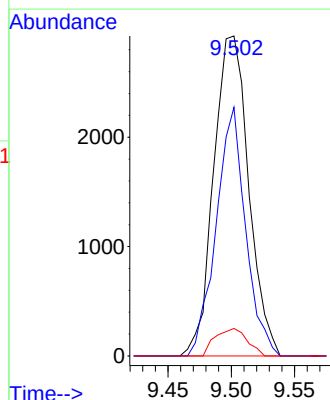
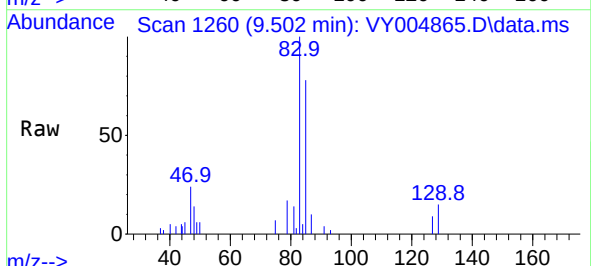
Manual Integrations
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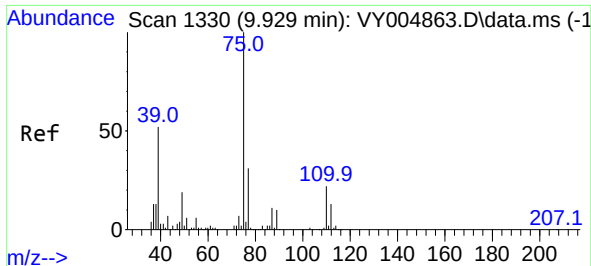
MMDadoda
5/27/2021 10:27:15 AM



#38
Bromodichloromethane
Concen: 1.10 ug/L
RT: 9.502 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

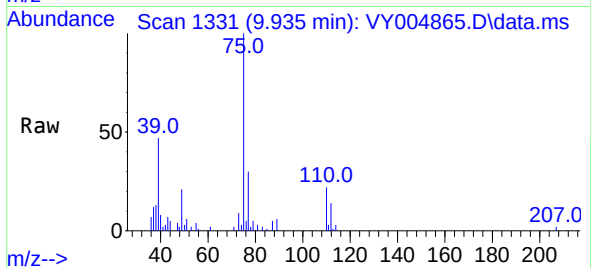
Tgt Ion: 83 Resp: 5639
Ion Ratio Lower Upper
83 100
85 77.7 44.1 81.9
127 8.6 6.9 10.3





#39
cis-1,3-Dichloropropene
Concen: 1.11 ug/L
RT: 9.935 min Scan# 1331
Delta R.T. 0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

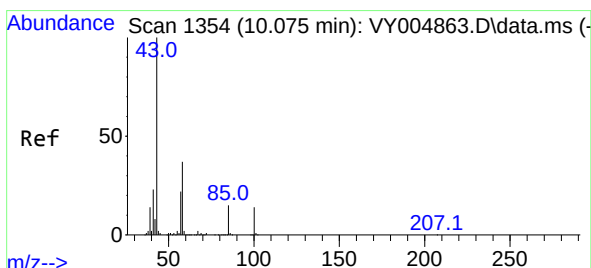
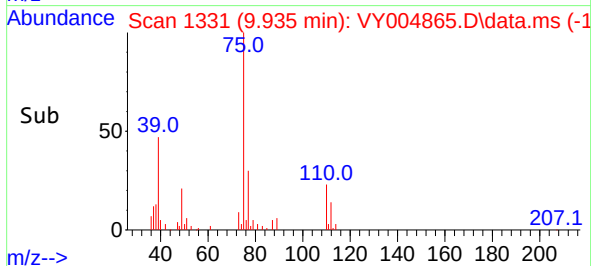
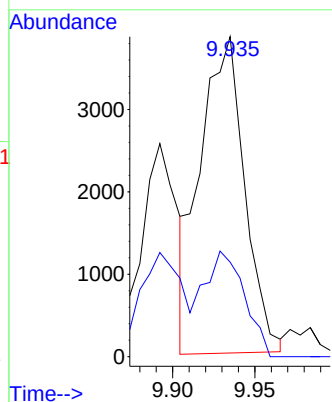
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion: 75 Resp: 7171
Ion Ratio Lower Upper
75 100
77 29.5 22.3 41.3

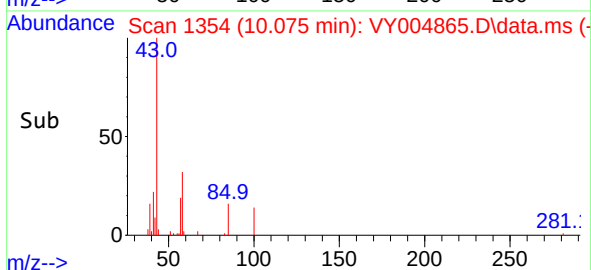
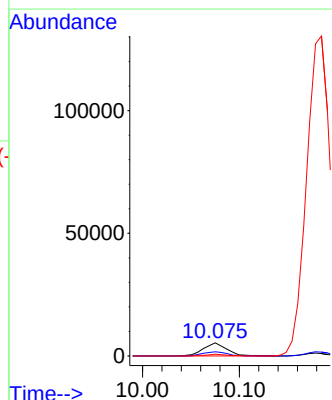
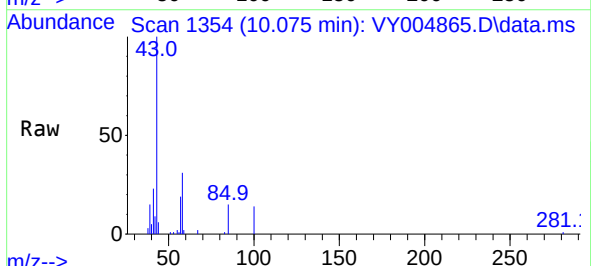
Manual Integrations
APPROVED

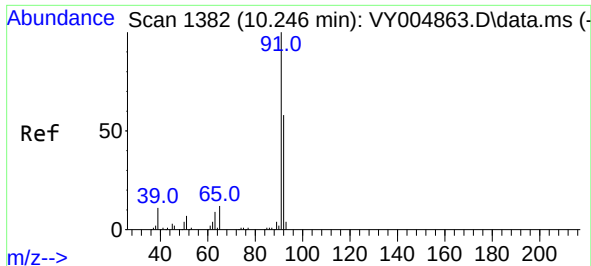
MMDadoda
5/27/2021 10:27:15 AM



#40
4-Methyl-2-pentanone
Concen: 2.02 ug/L
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 43 Resp: 8976
Ion Ratio Lower Upper
43 100
58 32.9 28.5 42.7
100 11.9 10.4 15.6





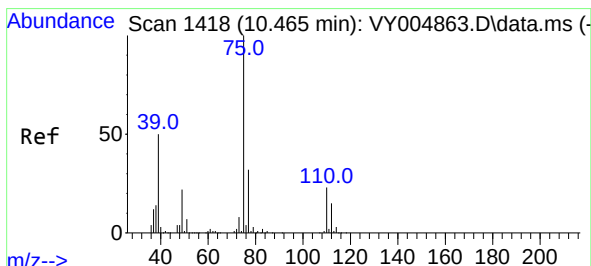
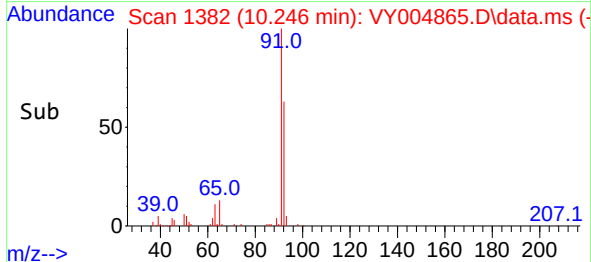
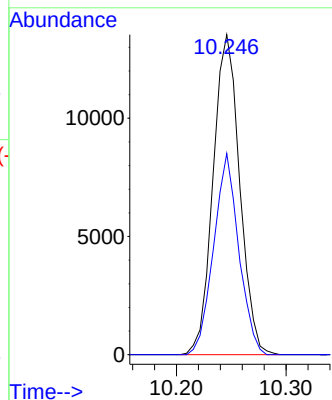
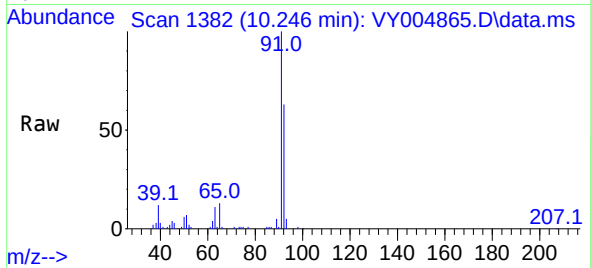
#42
Toluene
Concen: 1.38 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 91 Resp: 22825
Ion Ratio Lower Upper
91 100
92 62.9 40.5 75.1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

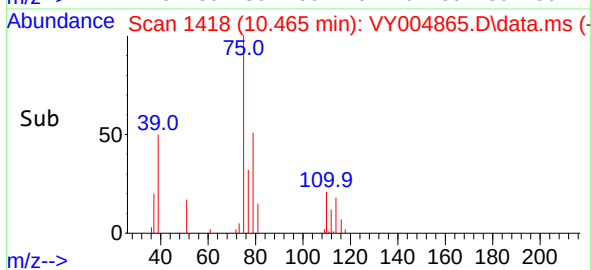
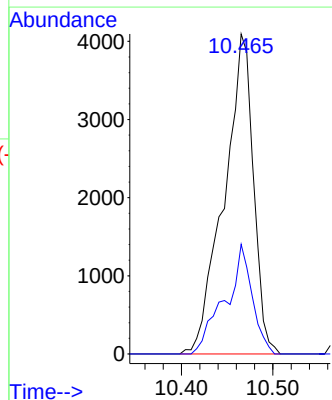
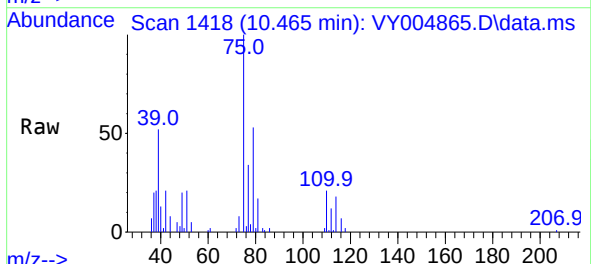
Manual Integrations
APPROVED

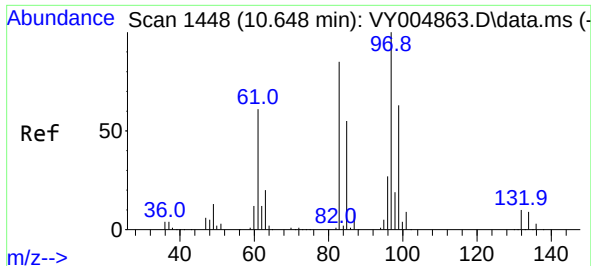
MMDadoda
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#44
trans-1,3-Dichloropropene
Concen: 1.52 ug/L
RT: 10.465 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 75 Resp: 9131
Ion Ratio Lower Upper
75 100
77 34.3 21.8 40.4





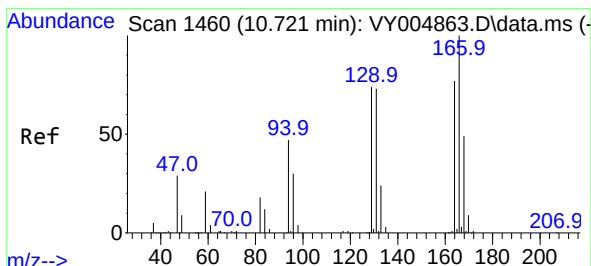
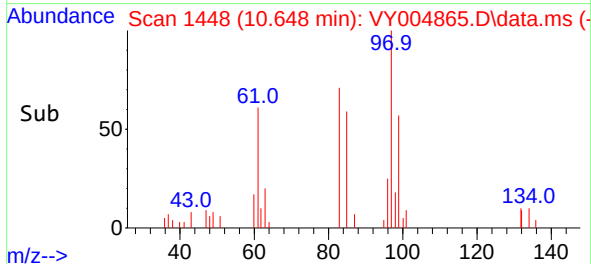
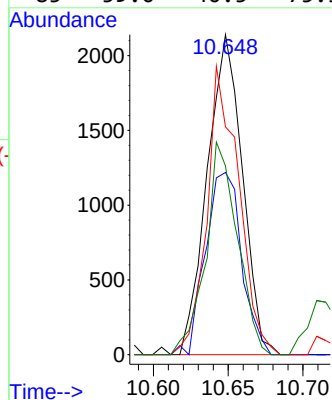
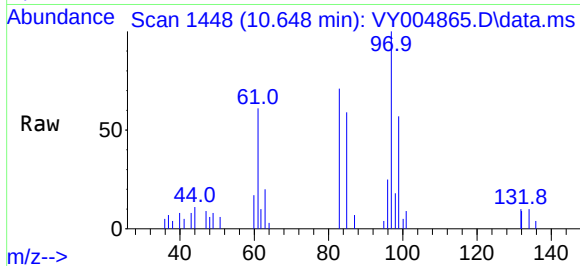
#45
1,1,2-Trichloroethane
Concen: 1.08 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	97	Resp:	3494
Ion	Ratio	Lower	Upper
97	100		
99	57.0	44.2	82.0
83	71.2	61.1	113.5
85	59.0	40.5	75.3

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

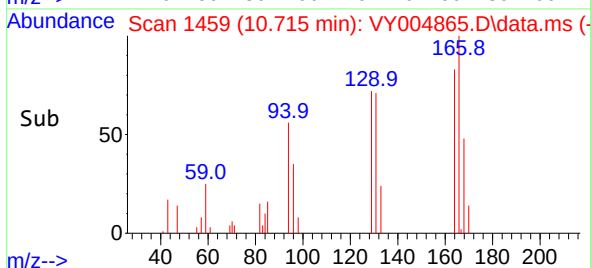
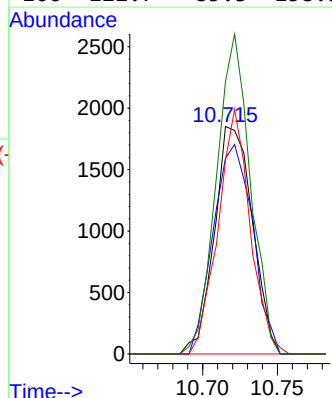
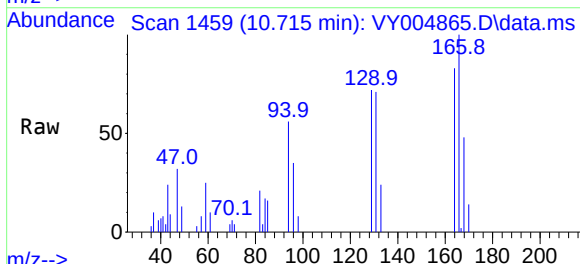
Manual Integrations
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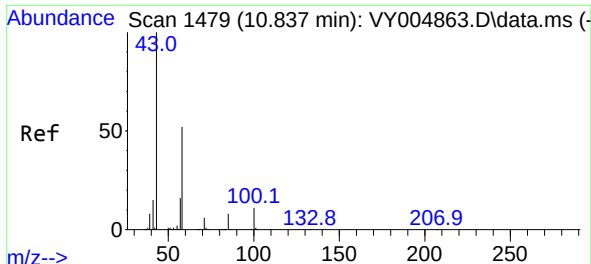
MMDadoda
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#46
Tetrachloroethene
Concen: 1.10 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	164	Resp:	3270
Ion	Ratio	Lower	Upper
164	100		
129	86.1	65.9	122.3
131	85.1	61.9	115.1
166	122.7	85.3	158.3





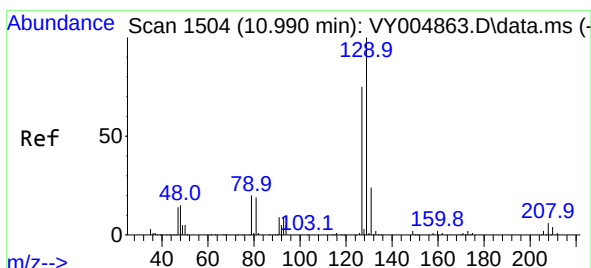
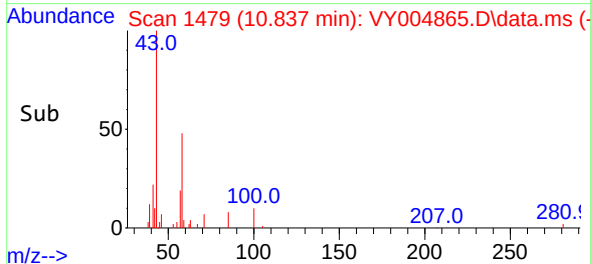
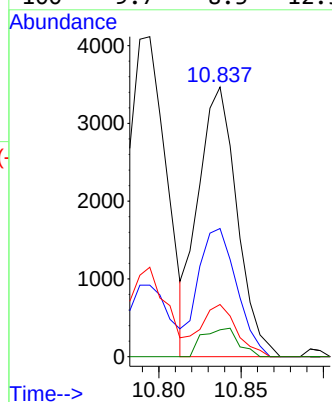
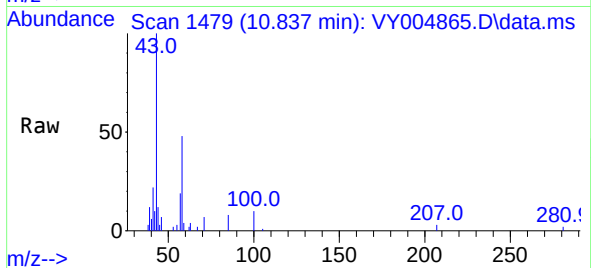
#48
2-Hexanone
Concen: 1.90 ug/L
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	43	Resp:	5704
Ion	Ratio	Lower	Upper
43	100		
58	47.1	41.1	61.7
57	18.4	13.8	20.6
100	9.7	8.3	12.5

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

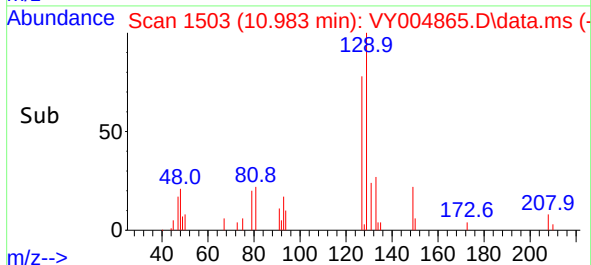
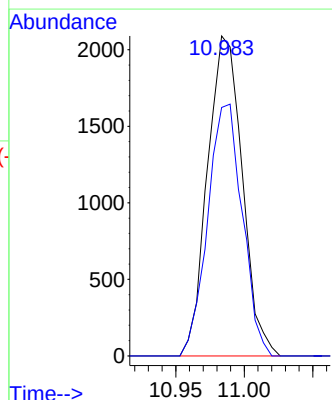
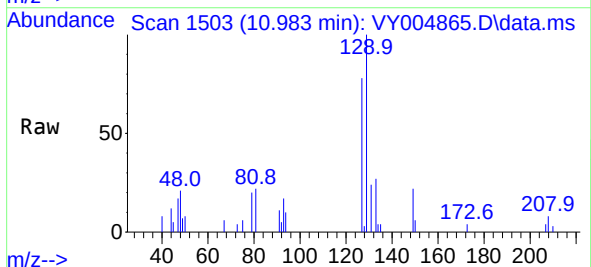
Manual Integrations
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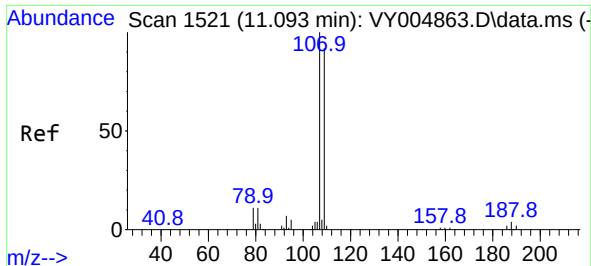
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#49
Dibromochloromethane
Concen: 1.01 ug/L
RT: 10.983 min Scan# 1503
Delta R.T. -0.007 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

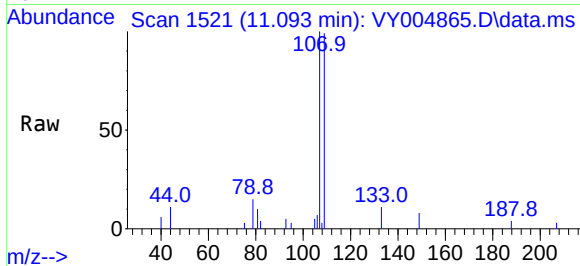
Tgt Ion:	129	Resp:	3687
Ion	Ratio	Lower	Upper
129	100		
127	77.7	52.8	98.0





#50
1,2-Dibromoethane
Concen: 1.03 ug/L
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

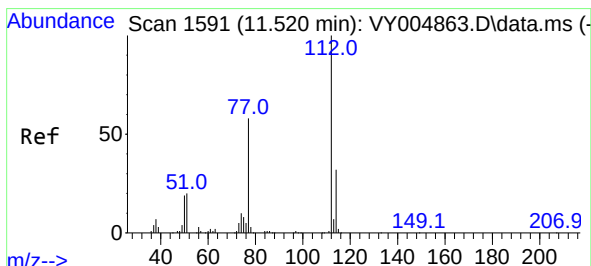
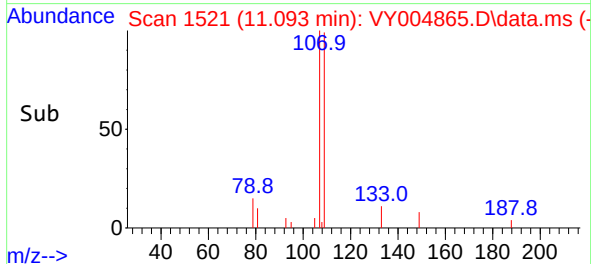
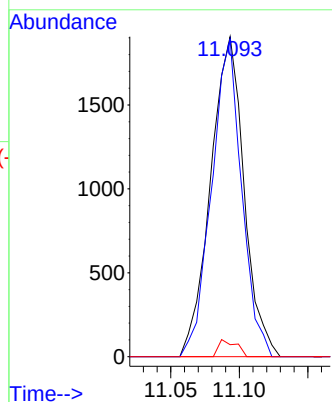
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



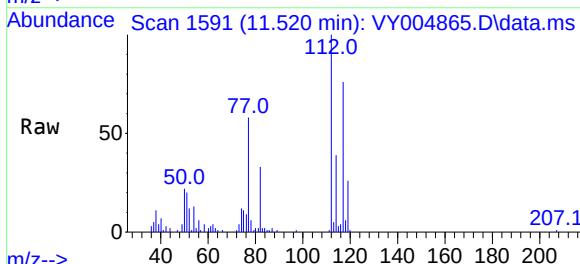
Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.3	65.7	121.9
188	3.8	2.8	4.2

Manual Integrations
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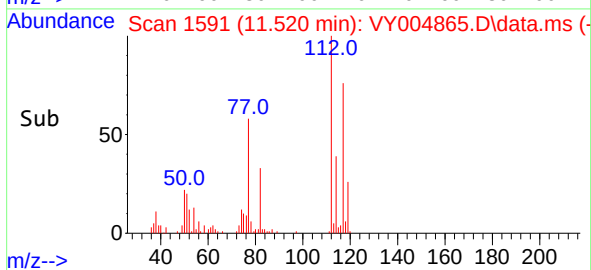
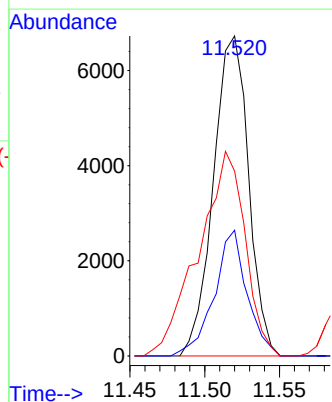
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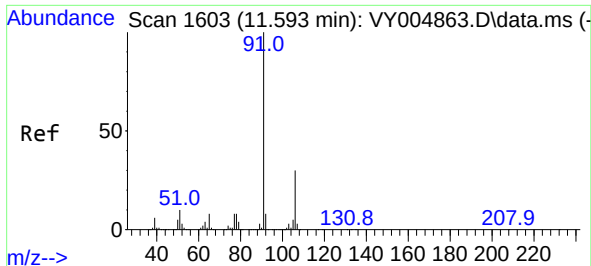


#51
Chlorobenzene
Concen: 1.08 ug/L
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



Tgt Ion	Ratio	Lower	Upper
112	100		
114	39.3	22.3	41.5
77	57.8	46.5	69.7





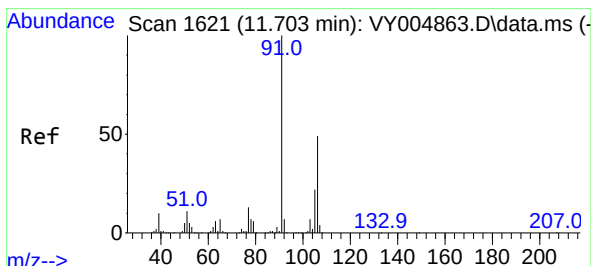
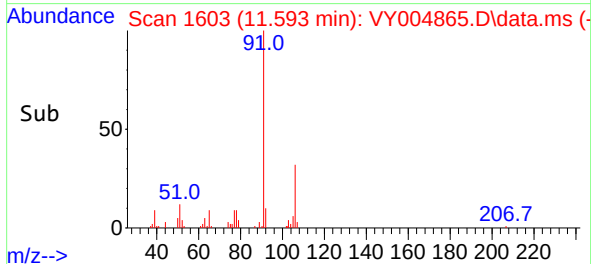
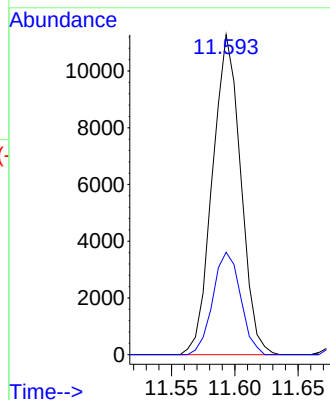
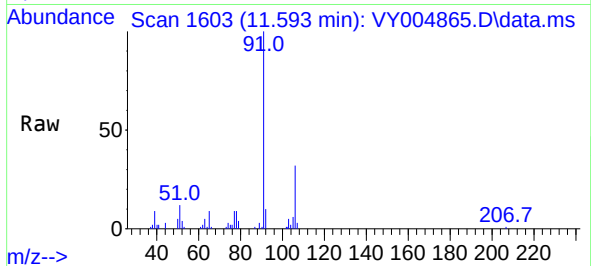
#52
Ethylbenzene
Concen: 0.98 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion: 91 Resp: 17538
Ion Ratio Lower Upper
91 100
106 32.0 21.2 39.4

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

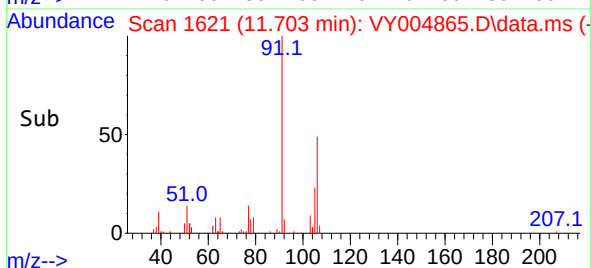
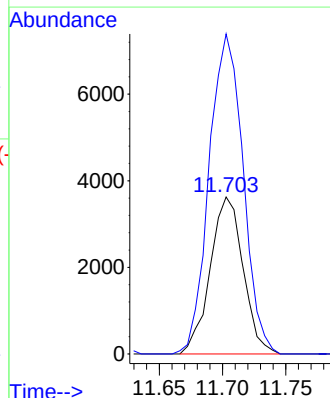
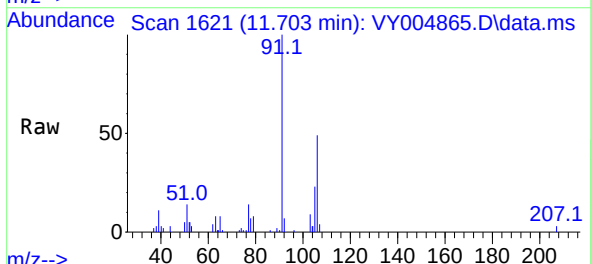
Manual Integrations
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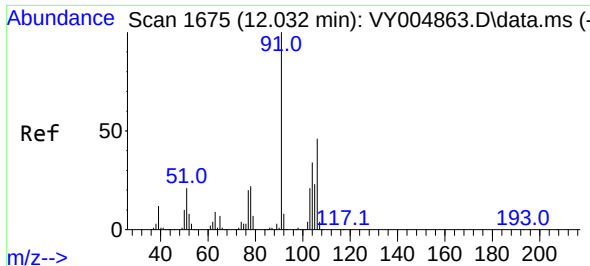
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#53
m,p-Xylene
Concen: 0.99 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

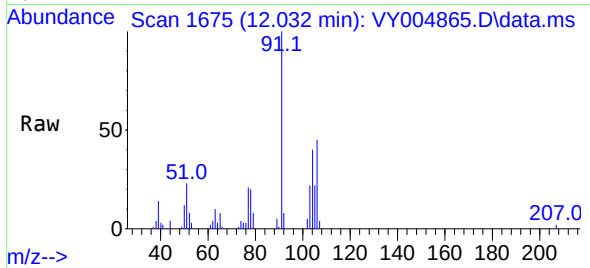
Tgt Ion: 106 Resp: 6561
Ion Ratio Lower Upper
106 100
91 203.8 145.7 270.5





#54
o-Xylene
Concen: 0.93 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

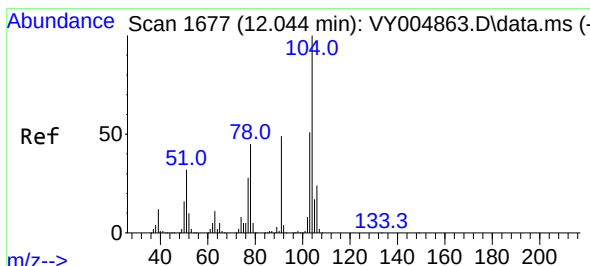
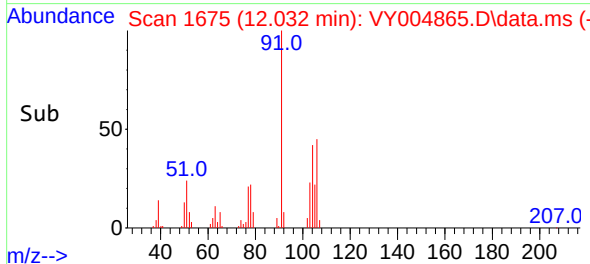
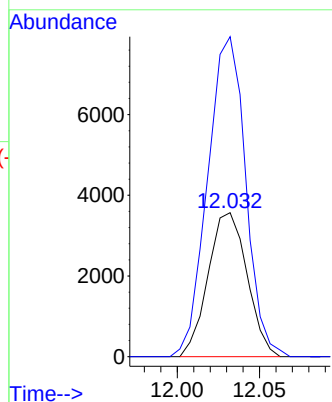
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:106 Resp: 5884
Ion Ratio Lower Upper
106 100
91 222.2 150.6 279.6

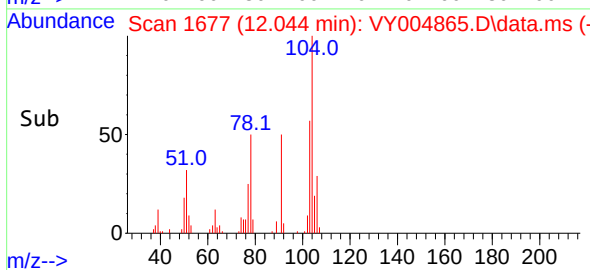
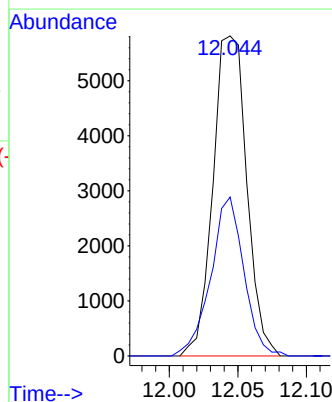
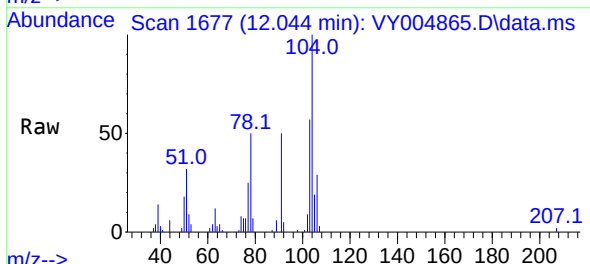
Manual Integrations
APPROVED

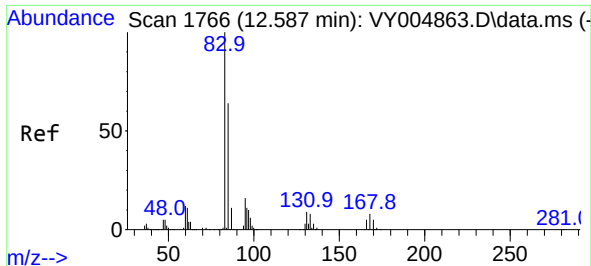
MMDadoda
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#55
Styrene
Concen: 0.92 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:104 Resp: 9983
Ion Ratio Lower Upper
104 100
78 49.7 31.8 59.0





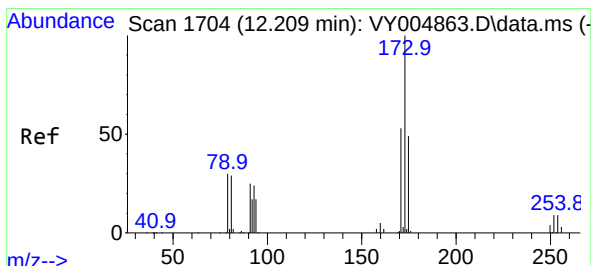
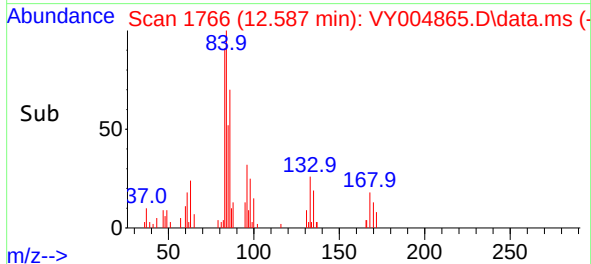
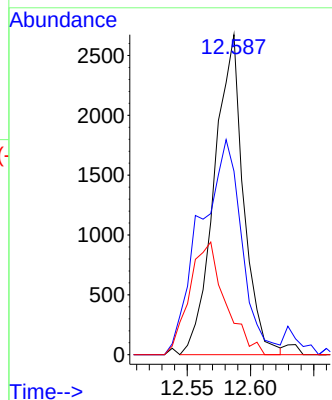
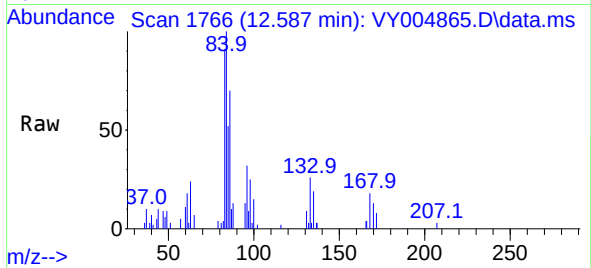
#57
1,1,2,2-Tetrachloroethane
Concen: 1.09 ug/L
RT: 12.587 min Scan# 1766
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	83	Resp:	4300
Ion	Ratio	Lower	Upper
83	100		
85	57.4	45.0	83.6
131	9.8	6.9	10.3

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

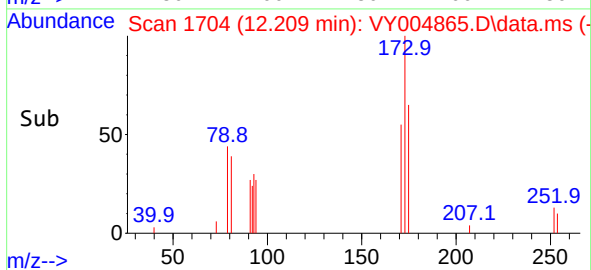
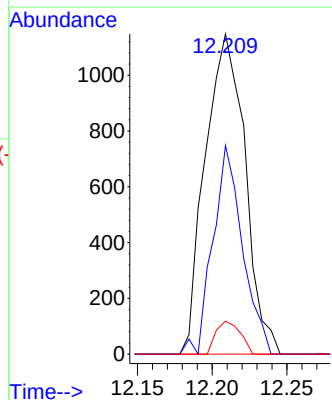
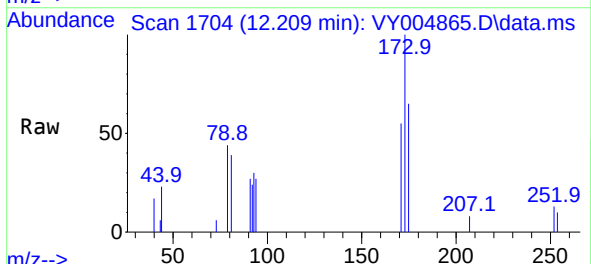
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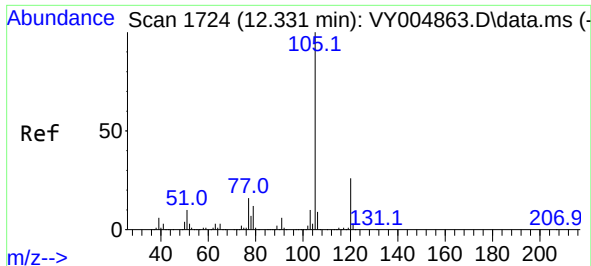
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#59
Bromoform
Concen: 0.95 ug/L
RT: 12.209 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

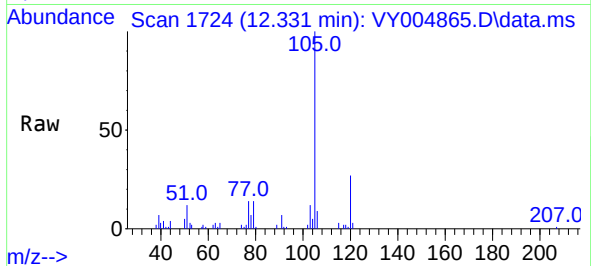
Tgt Ion:	173	Resp:	2126
Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.8	58.2
254	6.3	7.3	10.9#





#60
Isopropylbenzene
Concen: 0.96 ug/L
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

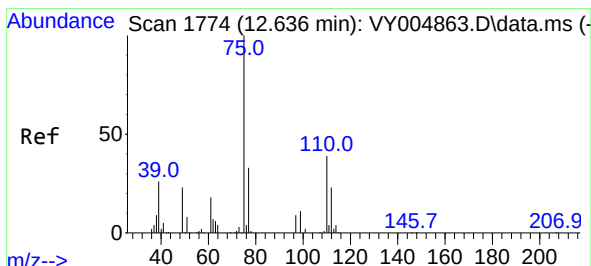
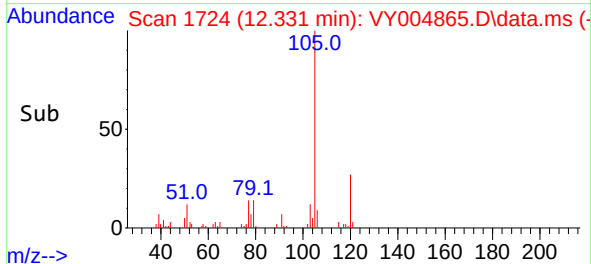
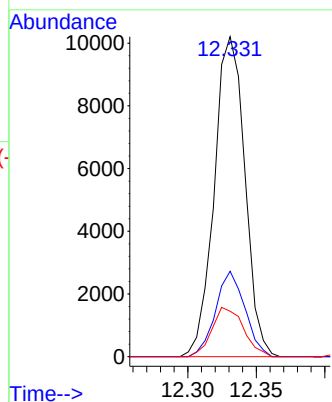
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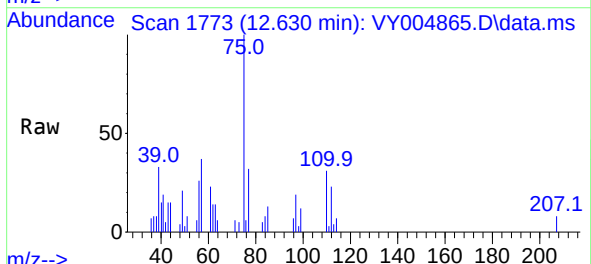
Tgt Ion:	105	Resp:	15873
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.0	31.6
77	16.0	12.7	19.1

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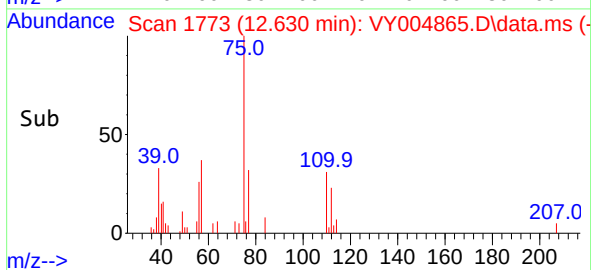
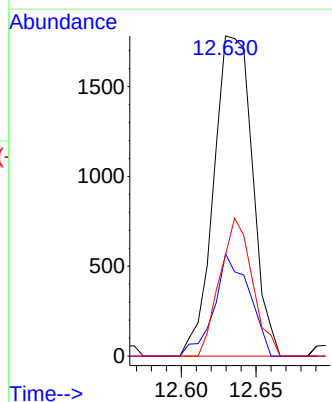
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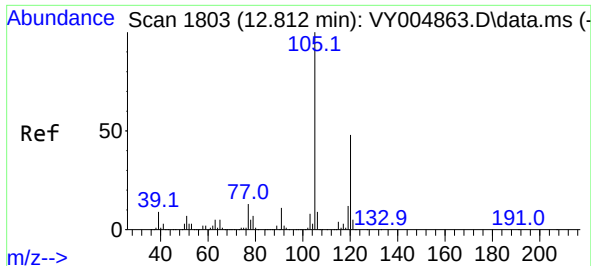


#61
1,2,3-Trichloropropane
Concen: 1.00 ug/L
RT: 12.630 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



Tgt Ion:	75	Resp:	3203
Ion Ratio	Lower	Upper	
75	100		
77	28.9	25.7	38.5
110	36.3	30.8	46.2





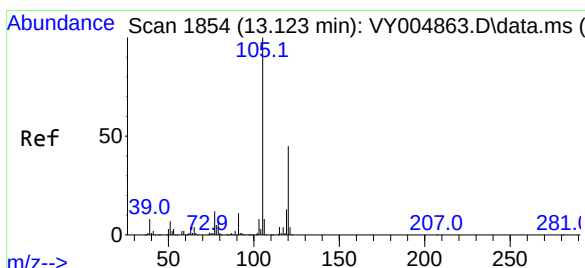
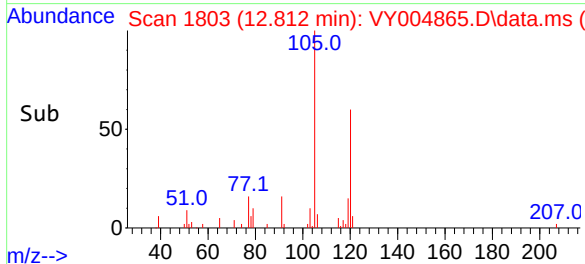
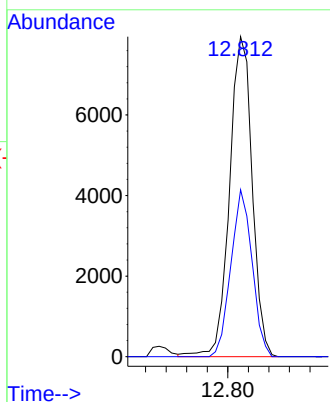
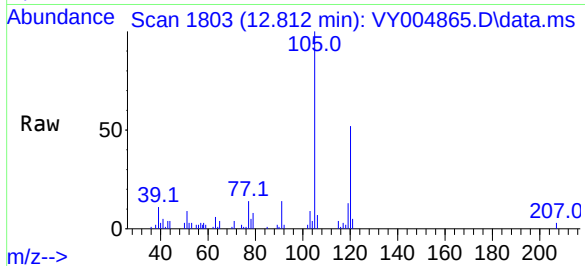
#62
1,3,5-Trimethylbenzene
Concen: 0.92 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

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Tgt Ion:105 Resp: 12193
Ion Ratio Lower Upper
105 100
120 48.7 38.3 57.5

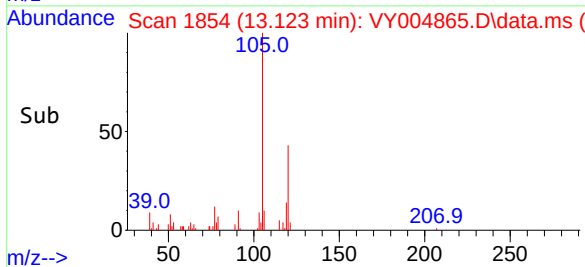
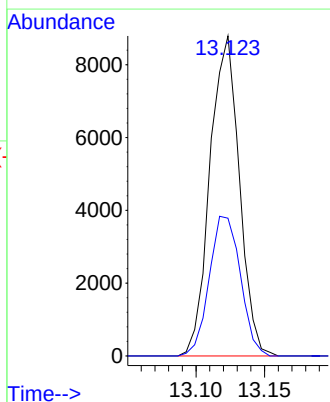
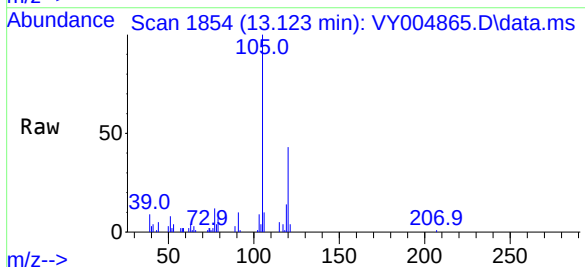
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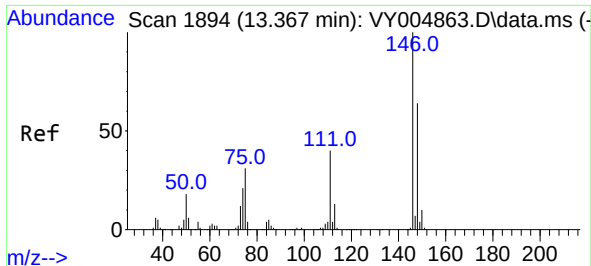
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#63
1,2,4-Trimethylbenzene
Concen: 0.99 ug/L
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:105 Resp: 13116
Ion Ratio Lower Upper
105 100
120 46.3 36.2 54.4





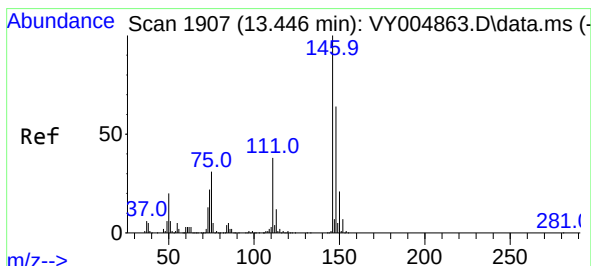
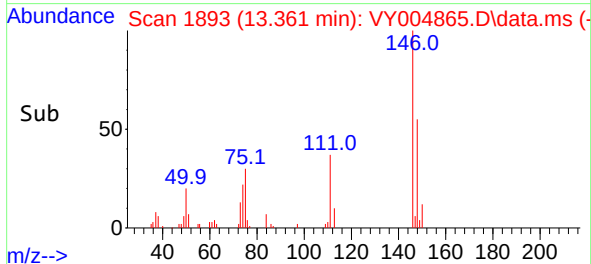
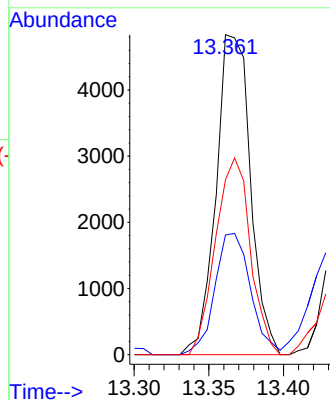
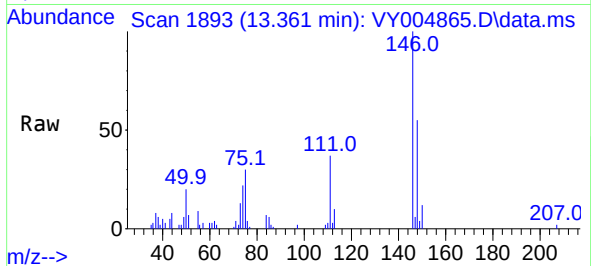
#64
1,3-Dichlorobenzene
Concen: 1.10 ug/L
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	146	Resp:	7738
Ion Ratio	Lower	Upper	
146	100		
111	37.4	27.4	51.0
148	54.6	45.1	83.7

Instrument :
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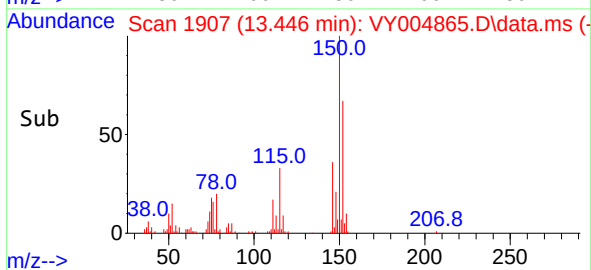
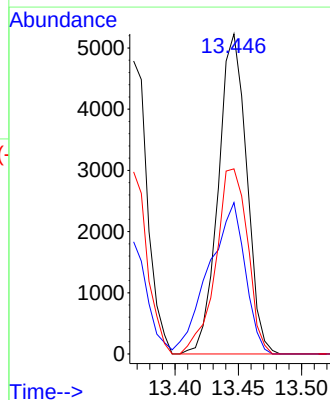
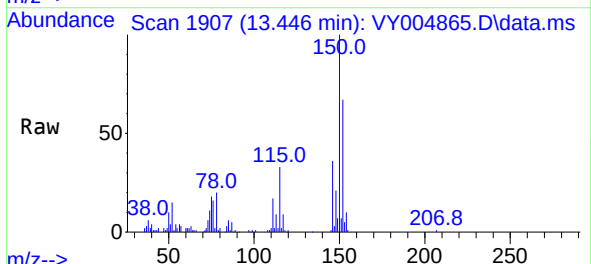
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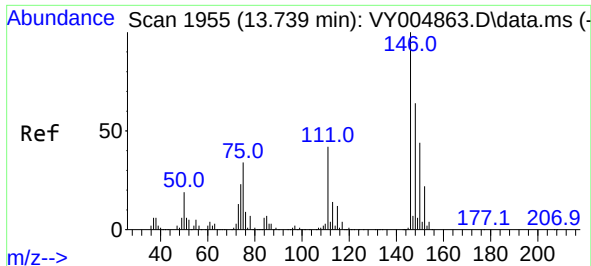
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#65
1,4-Dichlorobenzene
Concen: 1.14 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

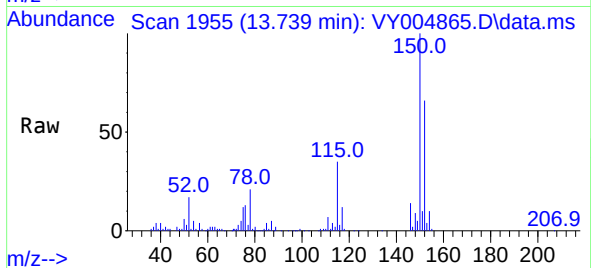
Tgt Ion:	146	Resp:	8155
Ion Ratio	Lower	Upper	
146	100		
111	47.3	26.4	49.0
148	57.9	44.3	82.3





#67
1,2-Dichlorobenzene
Concen: 1.11 ug/L
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

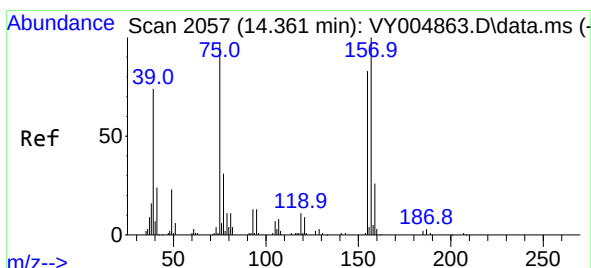
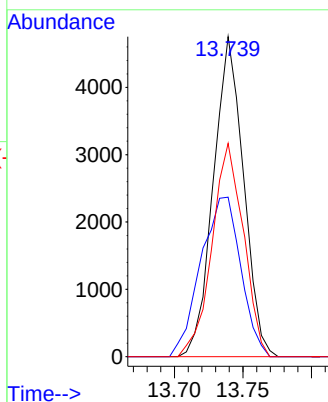
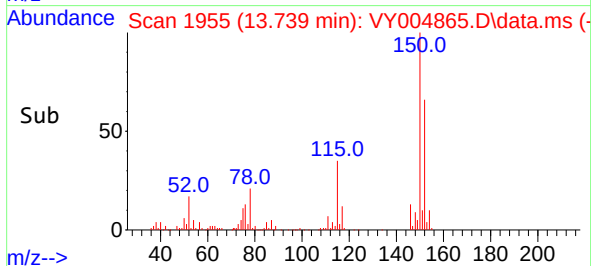
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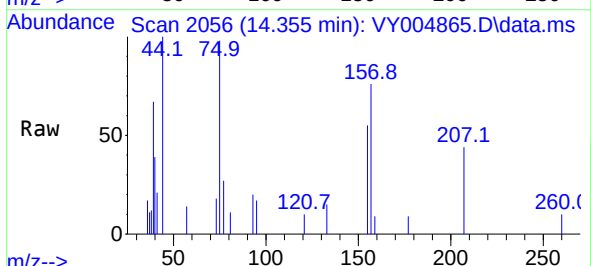
Tgt Ion:146 Resp: 7269
Ion Ratio Lower Upper
146 100
111 49.9 33.9 50.9
148 66.6 49.7 74.5

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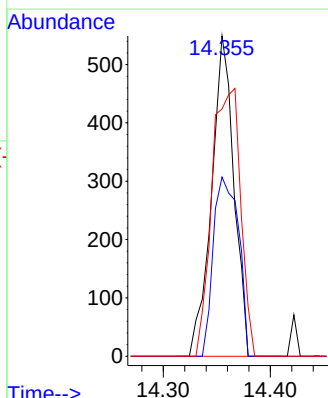
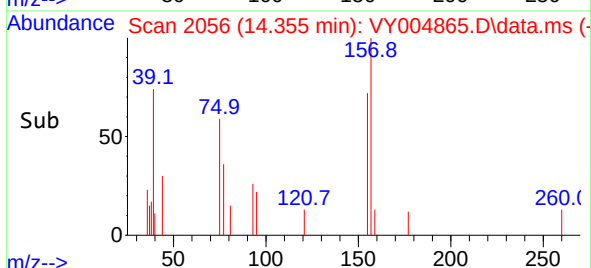
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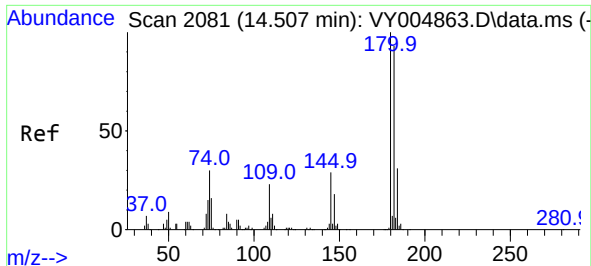


#68
1,2-Dibromo-3-chloropropane
Concen: 1.09 ug/L m
RT: 14.355 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47



Tgt Ion: 75 Resp: 795
Ion Ratio Lower Upper
75 100
155 55.9 64.5 96.7#
157 77.2 77.4 116.2#





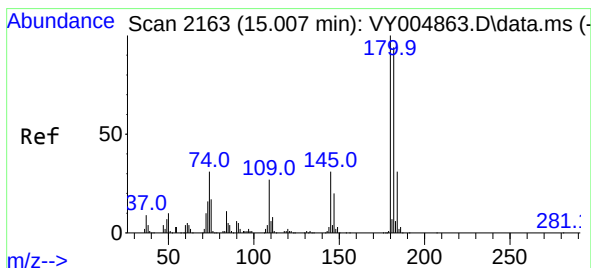
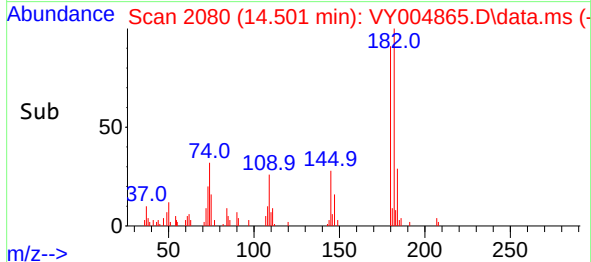
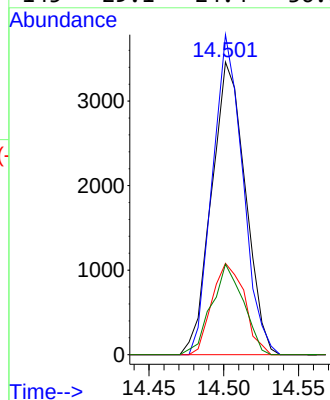
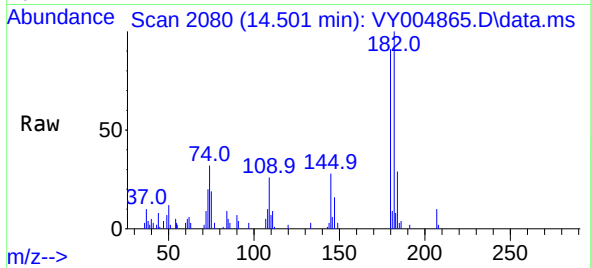
#69
1,3,5-Trichlorobenzene
Concen: 1.14 ug/L
RT: 14.501 min Scan# 2080
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	180	Resp:	5427
Ion Ratio	Lower	Upper	
180	100		
182	98.4	76.1	114.1
184	30.1	24.6	36.8
145	29.1	24.4	36.6

Instrument :
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ClientSampleId :
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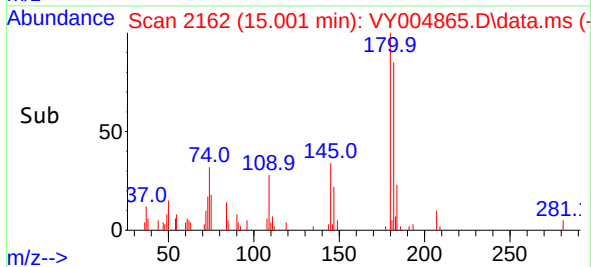
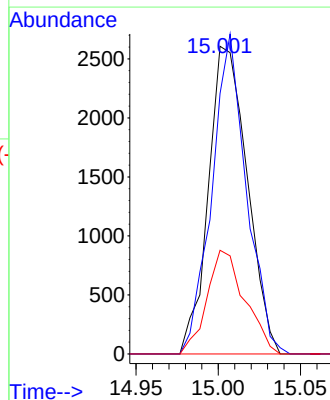
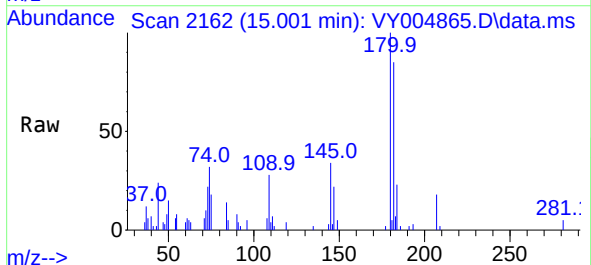
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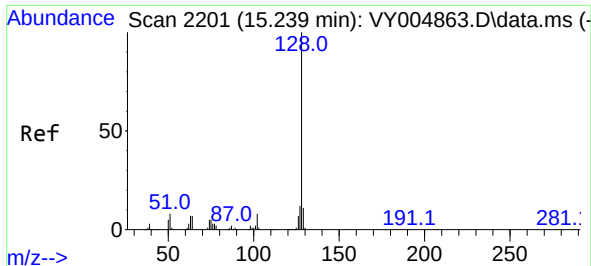
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#70
1,2,4-trichlorobenzene
Concen: 1.08 ug/L
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	180	Resp:	4278
Ion Ratio	Lower	Upper	
180	100		
182	92.6	76.4	114.6
145	32.9	25.0	37.6





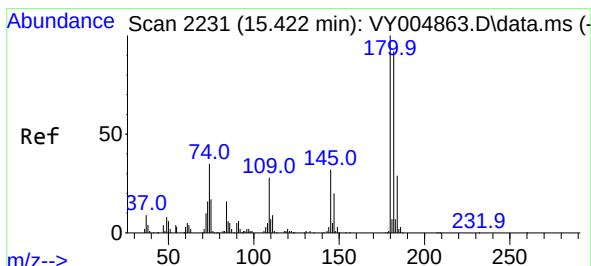
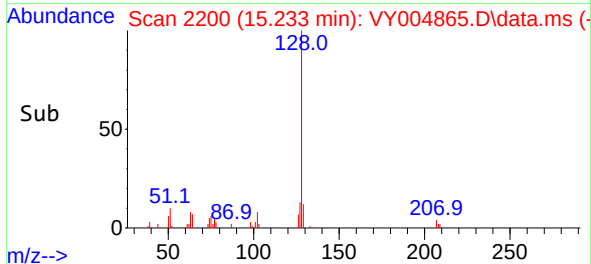
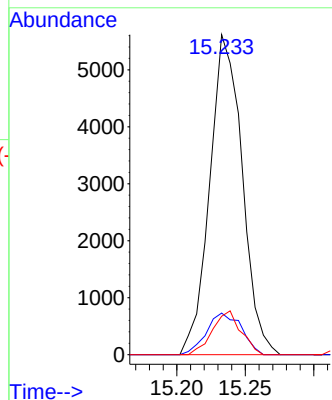
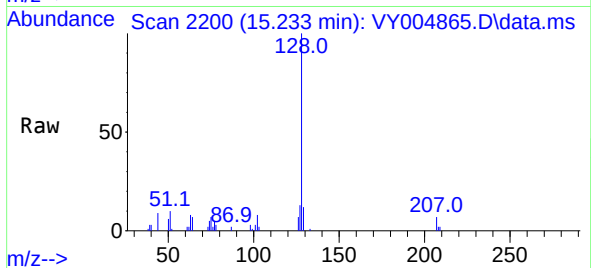
#71
Naphthalene
Concen: 0.92 ug/L
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	128	Resp:	9249
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.3	15.5
129	12.0	8.9	13.3

Instrument :
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ClientSampleId :
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#72
1,2,3-Trichlorobenzene
Concen: 1.08 ug/L
RT: 15.422 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY004865.D
Acq: 24 May 2021 12:47

Tgt Ion:	180	Resp:	3885
Ion Ratio	Lower	Upper	
180	100		
182	90.4	76.2	114.2
145	31.5	25.8	38.8

