

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
 Data File : VY004860.D
 Acq On : 21 May 2021 12:58
 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
 5/25/2021 10:41:50 AM

Quant Time: May 22 00:47:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 22 00:36:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	299293	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	278679	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	127863	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	117284	24.04	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.16%		
7) Chloroethane-d5	2.765	69	87613	24.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.52%		
11) 1,1-Dichloroethene-d2	3.856	63	161465	19.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.08%		
21) 2-Butanone-d5	6.898	46	105566	52.18	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	104.36%		
24) Chloroform-d	7.490	84	189840	24.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	98.92%		
26) 1,2-Dichloroethane-d4	8.148	65	120240	24.84	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.36%		
32) Benzene-d6	8.118	84	418107	25.05	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	100.20%		
36) 1,2-Dichloropropane-d6	9.130	67	135744	25.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.28%		
41) Toluene-d8	10.184	98	374939	24.75	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	99.00%		
43) trans-1,3-Dichloroprop...	10.441	79	62848	24.39	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.56%		
47) 2-Hexanone-d5	10.794	63	75500	51.04	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.08%		
56) 1,1,2,2-Tetrachloroeth...	12.562	84	118308	24.79	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.16%		
66) 1,2-Dichlorobenzene-d4	13.720	152	115080	24.90	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.60%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.905	85	4030	1.01	ug/L	98
3) Chloromethane	2.119	50	5966	1.22	ug/L	95
5) Vinyl chloride	2.253	62	5830	1.12	ug/L #	72
6) Bromomethane	2.655	94	2690	1.31	ug/L	95
8) Chloroethane	2.802	64	2921	0.96	ug/L	92
9) Trichlorofluoromethane	3.131	101	6878	1.03	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.899	101	4571	1.15	ug/L #	91
12) 1,1-Dichloroethene	3.875	96	5005	1.35	ug/L #	1
13) Acetone	3.960	43	4705	3.94	ug/L	98
14) Carbon disulfide	4.210	76	11600	0.98	ug/L	96
15) Methyl Acetate	4.490	43	3644	1.09	ug/L	95
16) Methylene chloride	4.728	84	21209	4.13	ug/L	99
17) trans-1,2-Dichloroethene	5.240	96	3953m	0.99	ug/L	
18) Methyl tert-butyl Ether	5.234	73	10684m	0.93	ug/L	
19) 1,1-Dichloroethane	6.027	63	7452	0.97	ug/L	93
20) cis-1,2-Dichloroethene	6.996	96	4319	1.00	ug/L	86
22) 2-Butanone	7.002	43	4183	2.02	ug/L	86
23) Bromochloromethane	7.350	128	2030	1.00	ug/L	75
25) Chloroform	7.514	83	12912	1.65	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
 Data File : VY004860.D
 Acq On : 21 May 2021 12:58
 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
 5/25/2021 10:41:50 AM

Quant Time: May 22 00:47:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMLYM051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 22 00:36:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	5739	1.06	ug/L	100
29) Cyclohexane	7.795	56	6525	0.90	ug/L #	93
30) 1,1,1-Trichloroethane	7.703	97	6450	0.98	ug/L	97
31) Carbon tetrachloride	7.910	117	3878	0.75	ug/L	99
33) Benzene	8.167	78	16973	0.99	ug/L	100
34) Trichloroethene	8.947	95	4205	0.97	ug/L	88
35) Methylcyclohexane	9.191	83	6913	0.95	ug/L	98
37) 1,2-Dichloropropane	9.221	63	4517	0.98	ug/L #	95
38) Bromodichloromethane	9.502	83	5479	0.97	ug/L	99
39) cis-1,3-Dichloropropene	9.928	75	6791	0.95	ug/L	93
40) 4-Methyl-2-pentanone	10.075	43	11366	2.32	ug/L	96
42) Toluene	10.245	91	23601	1.30	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	5611	0.85	ug/L	100
45) 1,1,2-Trichloroethane	10.648	97	3508	0.98	ug/L	96
46) Tetrachloroethene	10.721	164	3503	1.07	ug/L	92
48) 2-Hexanone	10.837	43	6883	2.08	ug/L	96
49) Dibromochloromethane	10.989	129	3848	0.96	ug/L	87
50) 1,2-Dibromoethane	11.093	107	3379	0.98	ug/L #	88
51) Chlorobenzene	11.513	112	10597	0.94	ug/L	94
52) Ethylbenzene	11.593	91	18408	0.94	ug/L	100
53) m,p-Xylene	11.702	106	6921	0.95	ug/L	87
54) o-Xylene	12.032	106	6058	0.87	ug/L	99
55) Styrene	12.044	104	9614	0.81	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.586	83	4582	1.05	ug/L #	96
59) Bromoform	12.208	173	2332	0.96	ug/L	98
60) Isopropylbenzene	12.330	105	16158	0.90	ug/L	98
61) 1,2,3-Trichloropropane	12.635	75	3892	1.12	ug/L	95
62) 1,3,5-Trimethylbenzene	12.812	105	13077	0.90	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	13761	0.95	ug/L	97
64) 1,3-Dichlorobenzene	13.367	146	7833	1.02	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	7913	1.02	ug/L	96
67) 1,2-Dichlorobenzene	13.739	146	7305	1.03	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.361	75	1502	1.90	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.501	180	5174	1.00	ug/L	94
70) 1,2,4-trichlorobenzene	15.001	180	4492	1.04	ug/L	98
71) Naphthalene	15.238	128	9637	0.89	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.421	180	4091	1.04	ug/L #	88

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

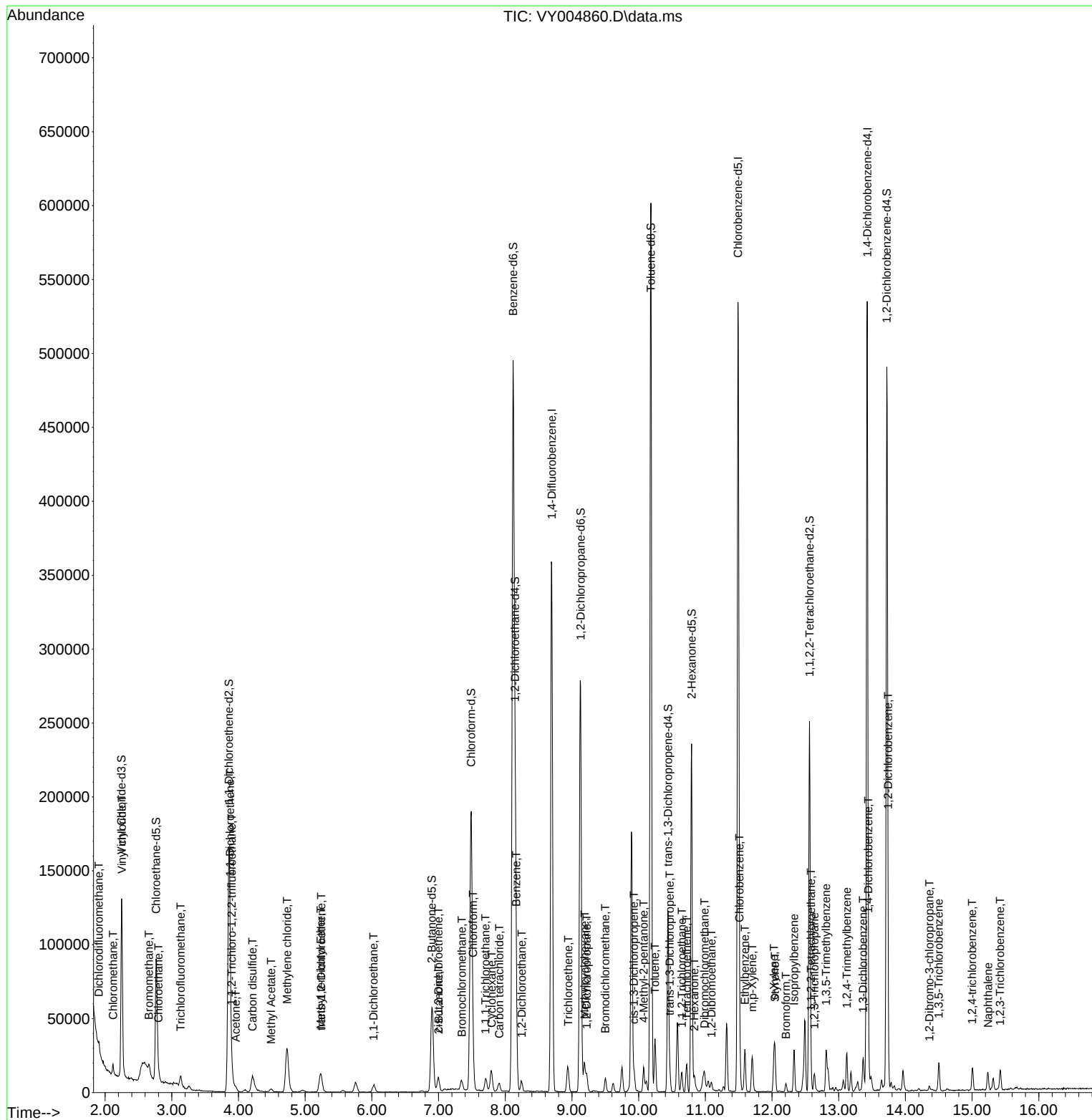
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052121\
Data File : VY004860.D
Acq On : 21 May 2021 12:58
Operator : SY/MD
Sample : M2250-04
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

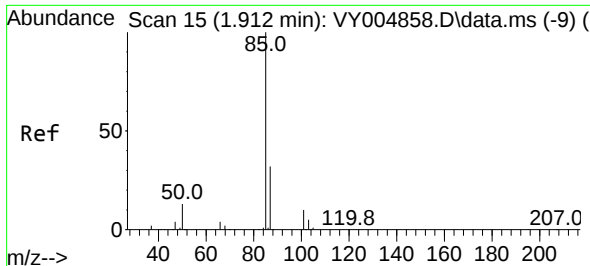
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM

Quant Time: May 22 00:47:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 22 00:36:54 2021
Response via : Initial Calibration





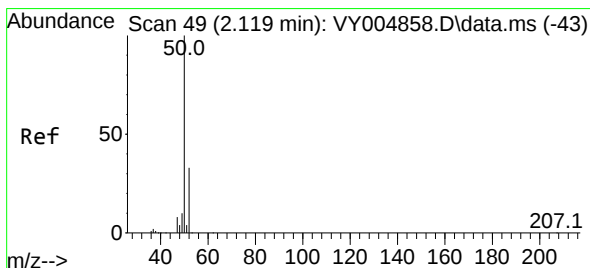
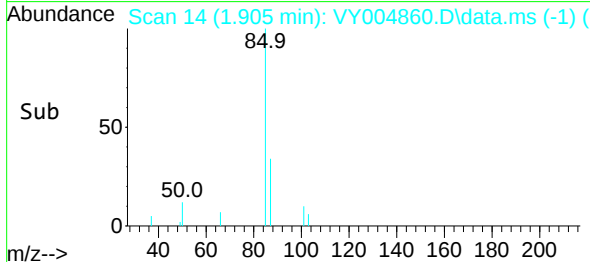
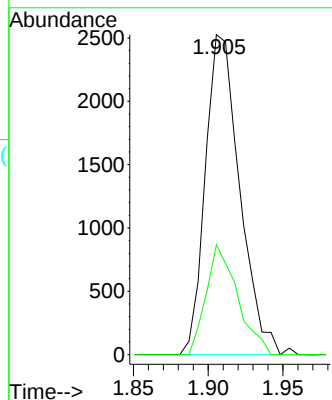
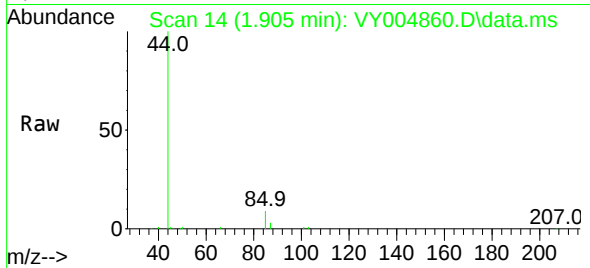
#2
Dichlorodifluoromethane
Concen: 1.01 ug/L
RT: 1.905 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 85 Resp: 4030
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.2

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

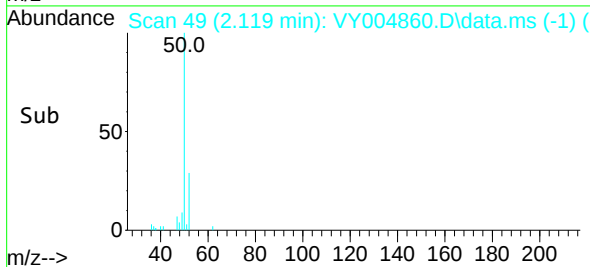
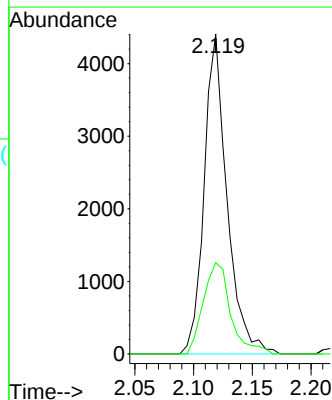
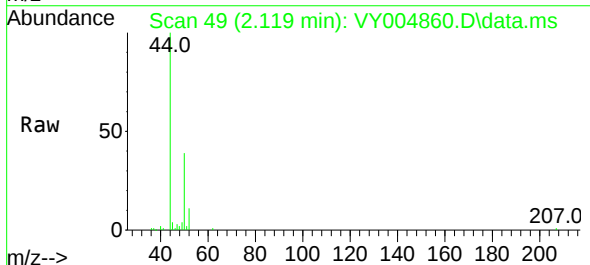
Manual Integrations
APPROVED

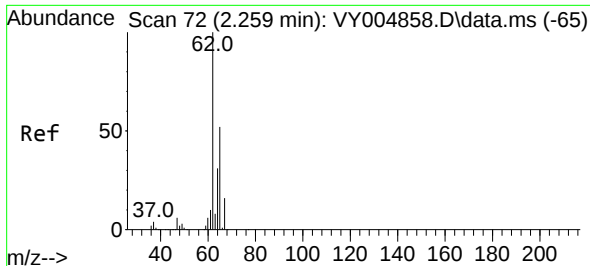
MMDadoda
5/25/2021 10:41:50 AM



#3
Chloromethane
Concen: 1.22 ug/L
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 50 Resp: 5966
Ion Ratio Lower Upper
50 100
52 28.6 21.8 40.4





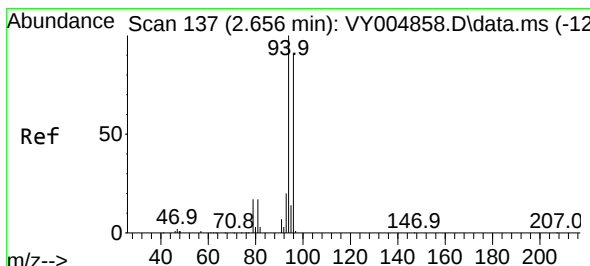
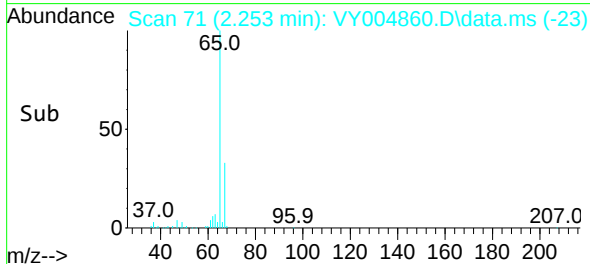
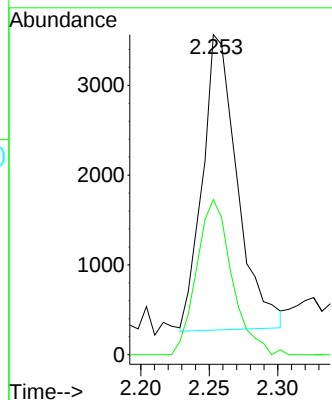
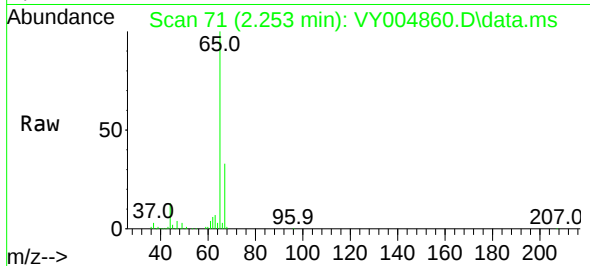
#5
 Vinyl chloride
 Concen: 1.12 ug/L
 RT: 2.253 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VY004860.D
 Acq: 21 May 2021 12:58

Tgt Ion: 62 Resp: 5830
 Ion Ratio Lower Upper
 62 100
 64 48.4 22.8 42.4#

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

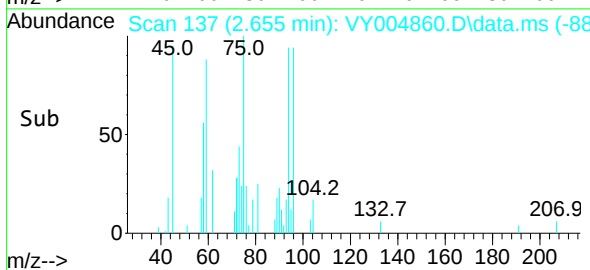
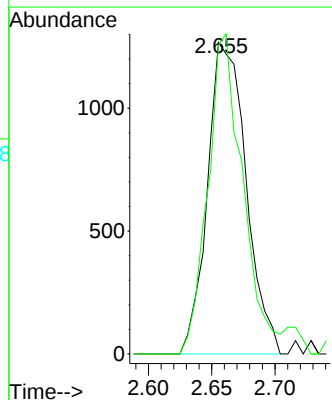
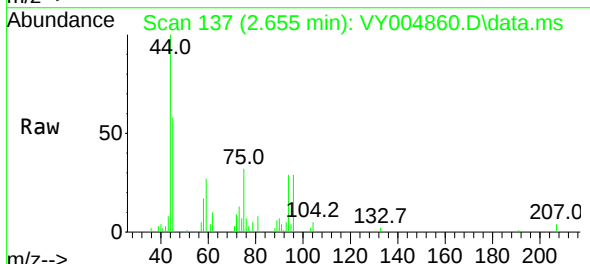
Manual Integrations
 APPROVED

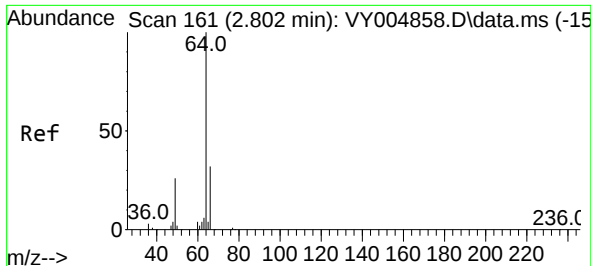
MMDadoda
 5/25/2021 10:41:50 AM



#6
 Bromomethane
 Concen: 1.31 ug/L
 RT: 2.655 min Scan# 137
 Delta R.T. -0.000 min
 Lab File: VY004860.D
 Acq: 21 May 2021 12:58

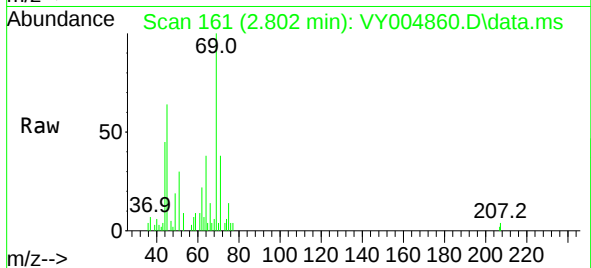
Tgt Ion: 94 Resp: 2690
 Ion Ratio Lower Upper
 94 100
 96 99.0 65.9 122.5





#8
Chloroethane
Concen: 0.96 ug/L
RT: 2.802 min Scan# 161
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

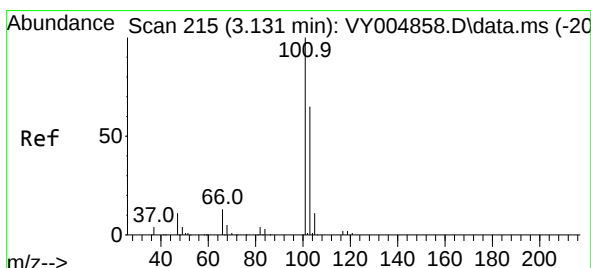
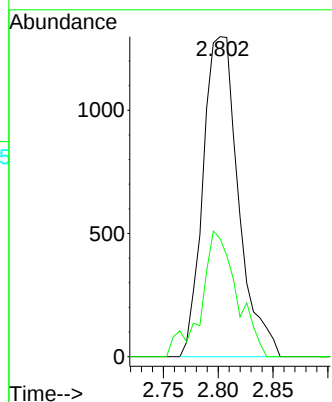
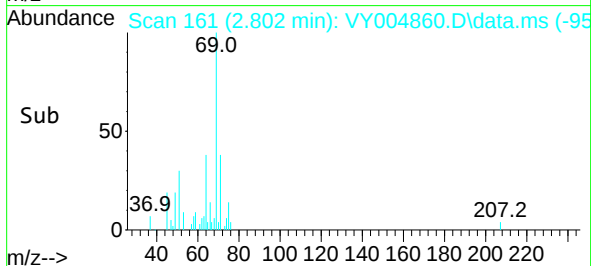
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



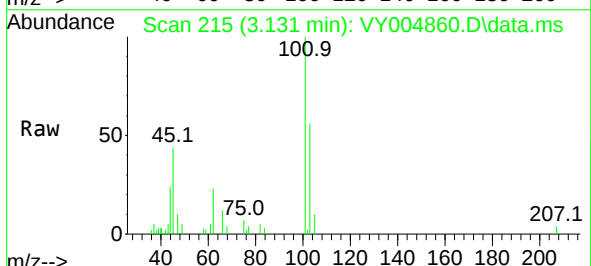
Tgt Ion: 64 Resp: 2921
Ion Ratio Lower Upper
64 100
66 37.0 22.7 42.3

Manual Integrations
APPROVED

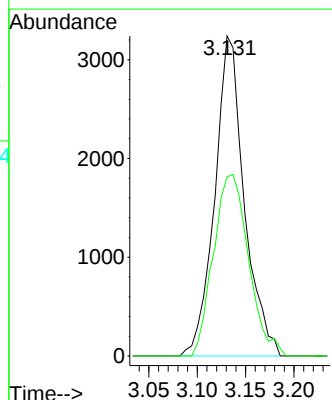
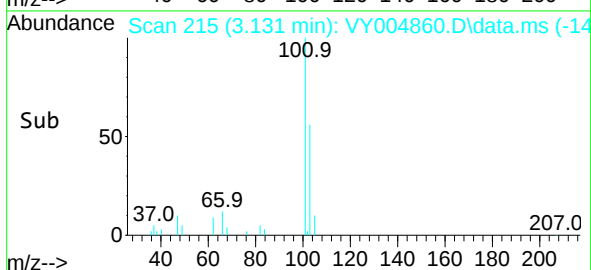
MMDadoda
5/25/2021 10:41:50 AM

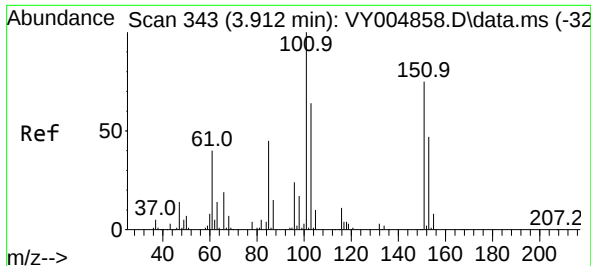


#9
Trichlorofluoromethane
Concen: 1.03 ug/L
RT: 3.131 min Scan# 215
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



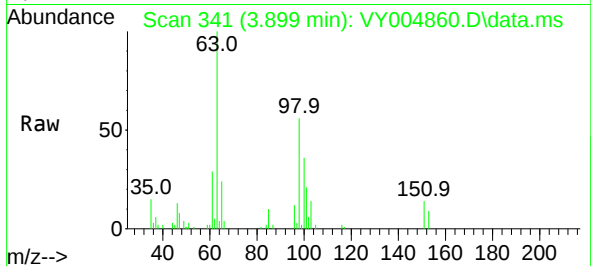
Tgt Ion: 101 Resp: 6878
Ion Ratio Lower Upper
101 100
103 67.4 51.4 77.2





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.15 ug/L
RT: 3.899 min Scan# 341
Delta R.T. -0.013 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

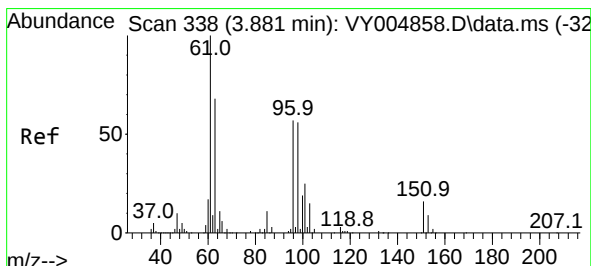
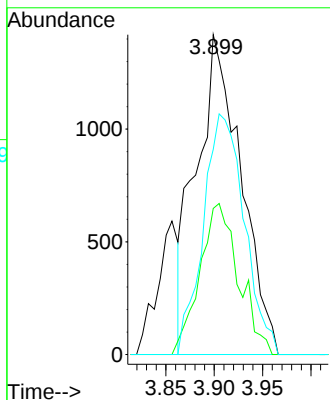
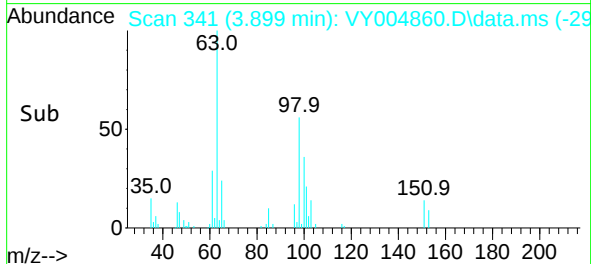
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



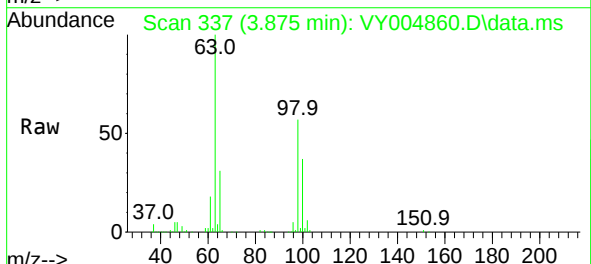
Tgt Ion: 101 Resp: 4571
Ion Ratio Lower Upper
101 100
85 36.5 36.6 54.8#
151 69.0 59.0 88.4

Manual Integrations
APPROVED

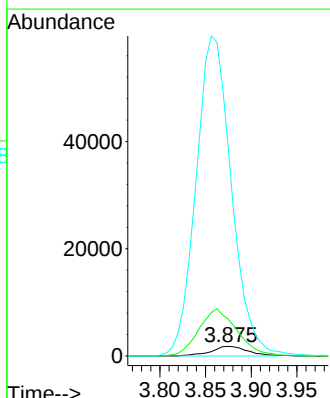
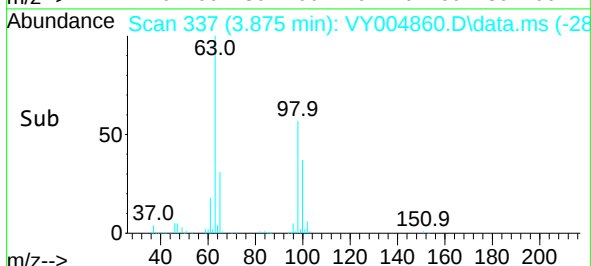
MMDadoda
5/25/2021 10:41:50 AM

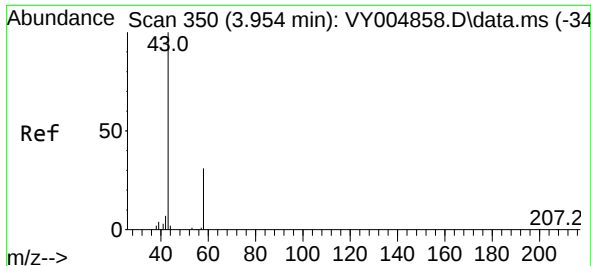


#12
1,1-Dichloroethene
Concen: 1.35 ug/L
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



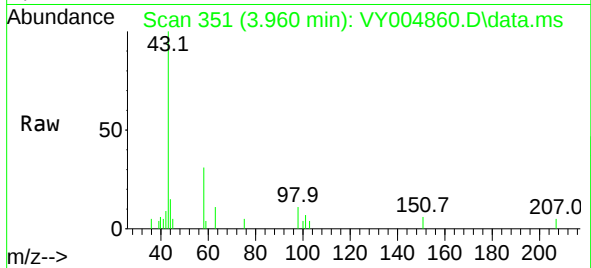
Tgt Ion: 96 Resp: 5005
Ion Ratio Lower Upper
96 100
61 386.6 121.2 225.2#
63 2191.8 86.9 161.3#





#13
Acetone
Concen: 3.94 ug/L
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

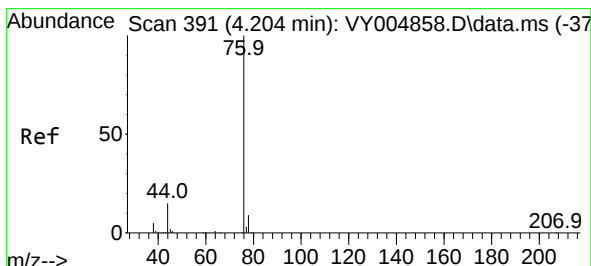
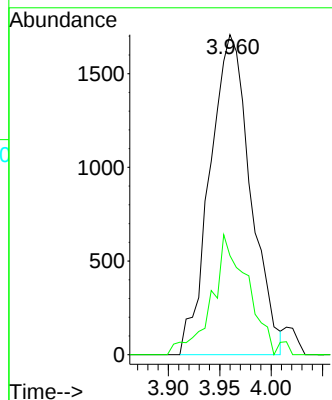
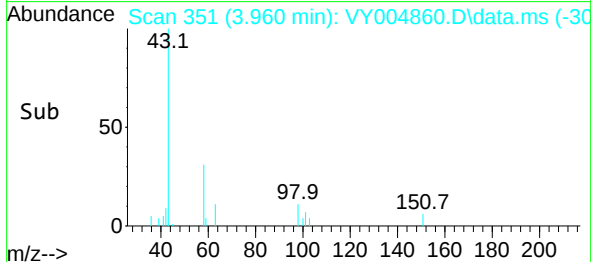
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



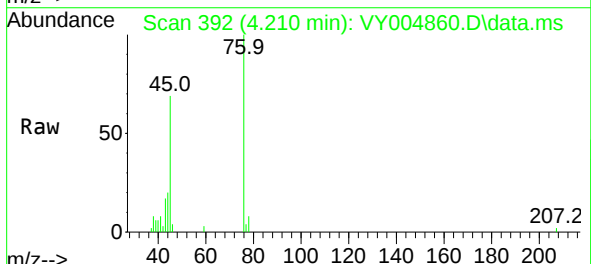
Tgt Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
58 31.3 0.0 61.0

Manual Integrations
APPROVED

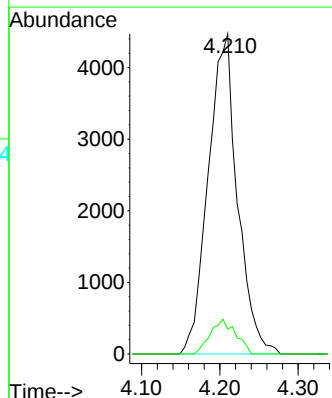
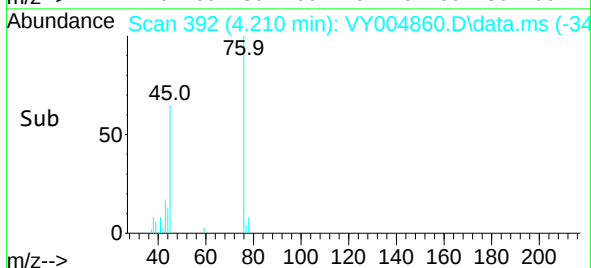
MMDadoda
5/25/2021 10:41:50 AM

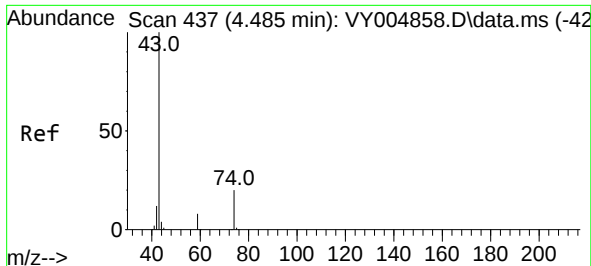


#14
Carbon disulfide
Concen: 0.98 ug/L
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



Tgt Ion: 76 Resp: 11600
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.2





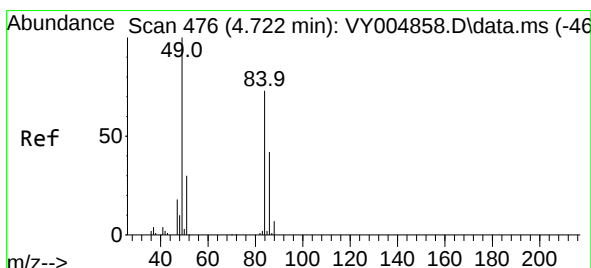
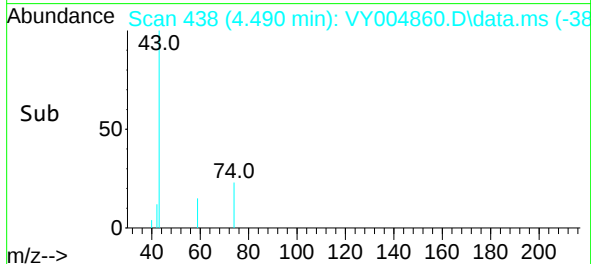
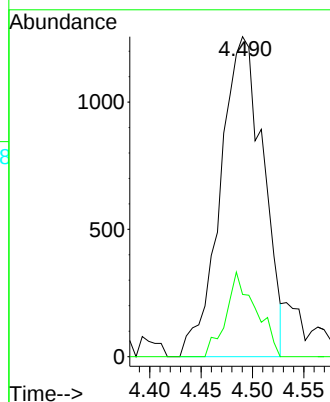
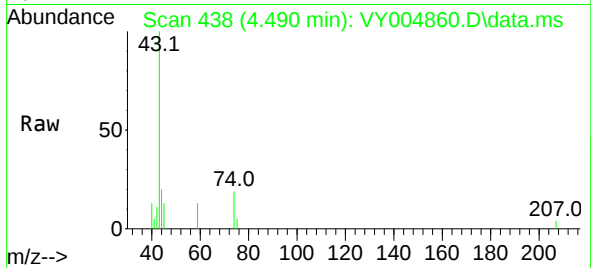
#15
Methyl Acetate
Concen: 1.09 ug/L
RT: 4.490 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
74 18.4 16.7 25.1

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

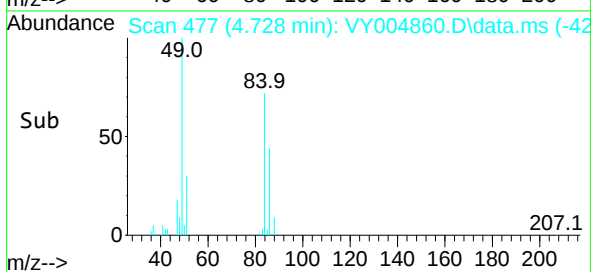
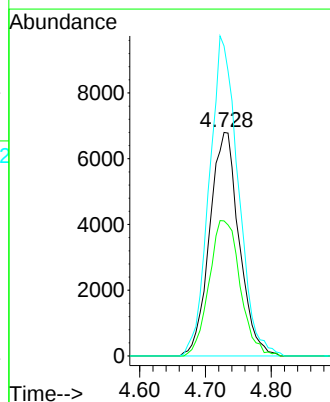
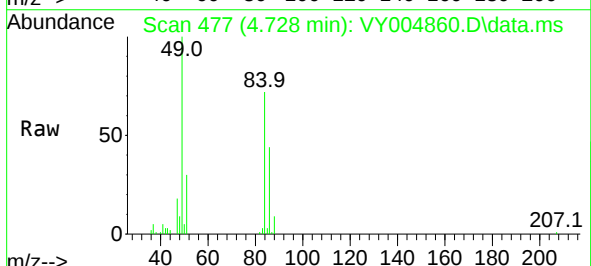
Manual Integrations
APPROVED

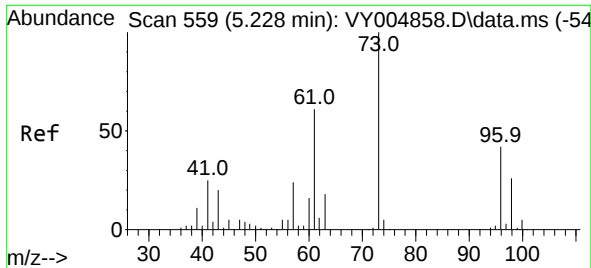
MMDadoda
5/25/2021 10:41:50 AM



#16
Methylene chloride
Concen: 4.13 ug/L
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 84 Resp: 21209
Ion Ratio Lower Upper
84 100
86 60.4 43.2 80.2
49 138.7 96.0 178.4





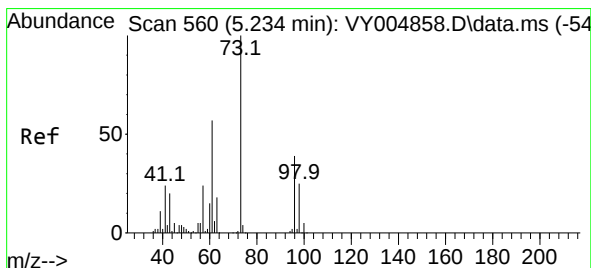
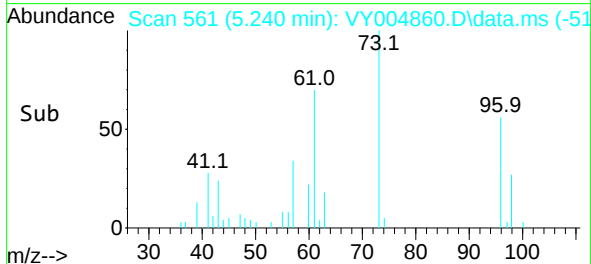
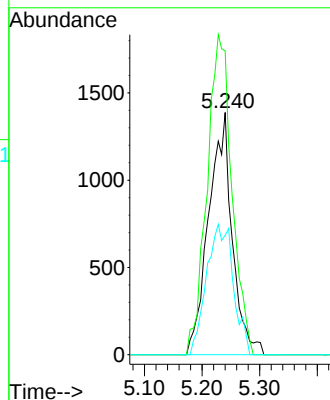
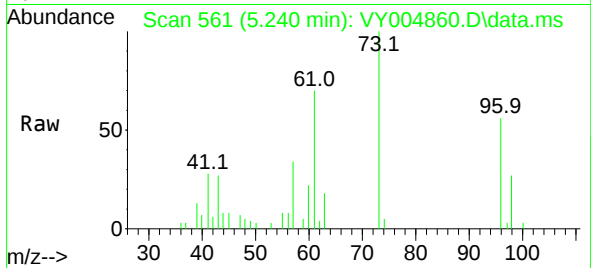
#17
trans-1,2-Dichloroethene
Concen: 0.99 ug/L m
RT: 5.240 min Scan# 561
Delta R.T. 0.012 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:	96	Resp:	3953
Ion	Ratio	Lower	Upper
96	100		
61	125.4	97.6	181.2
98	49.3	44.8	83.2

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

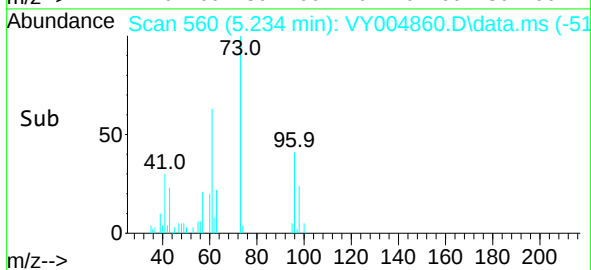
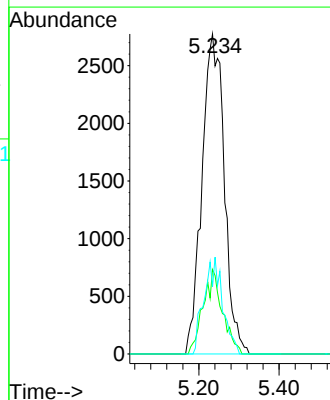
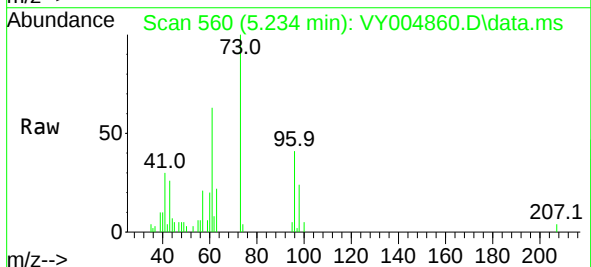
Manual Integrations
APPROVED

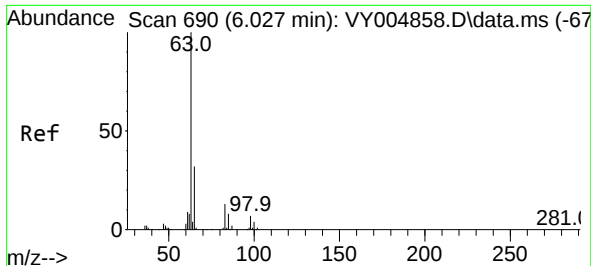
MMDadoda
5/25/2021 10:41:50 AM



#18
Methyl tert-butyl Ether
Concen: 0.93 ug/L m
RT: 5.234 min Scan# 560
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:	73	Resp:	10684
Ion	Ratio	Lower	Upper
73	100		
43	13.1	16.8	25.2#
57	3.3	18.7	28.1#





#19

1,1-Dichloroethane

Concen: 0.97 ug/L

RT: 6.027 min Scan# 690

Delta R.T. -0.000 min

Lab File: VY004860.D

Acq: 21 May 2021 12:58

Tgt Ion:	63	Resp:	7452
Ion	Ratio	Lower	Upper
63	100		
65	27.6	22.4	41.6
83	12.1	9.5	17.7

Instrument :

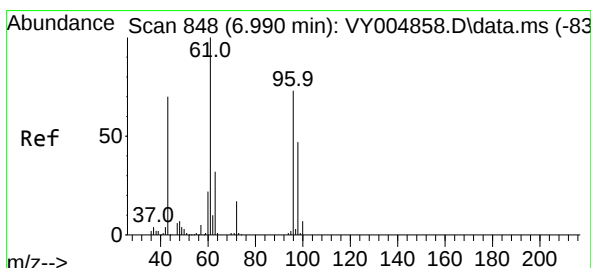
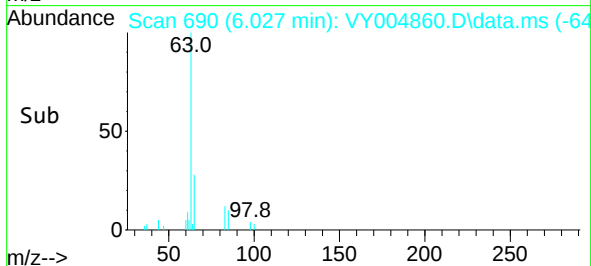
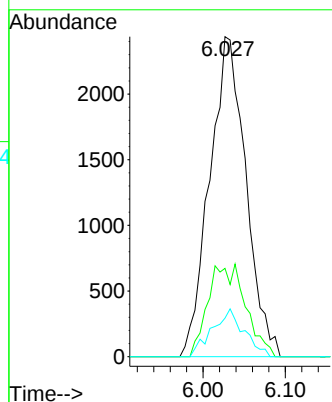
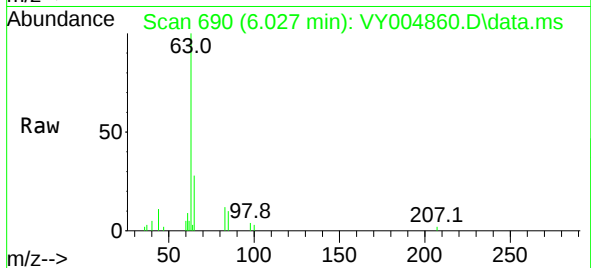
MSVOA_Y

ClientSampleId :

MDL-SOIL-QT3-2021-06

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



#20

cis-1,2-Dichloroethene

Concen: 1.00 ug/L

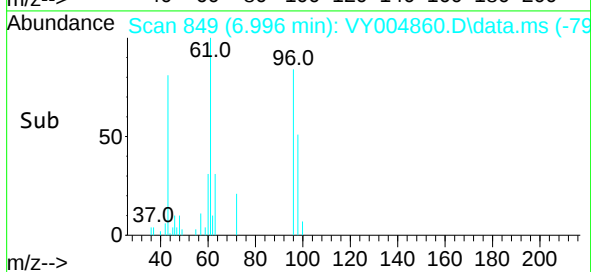
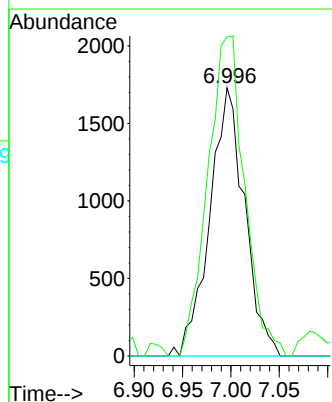
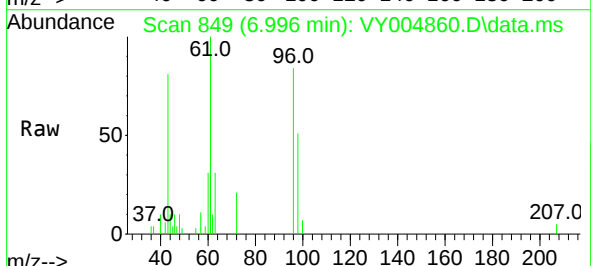
RT: 6.996 min Scan# 849

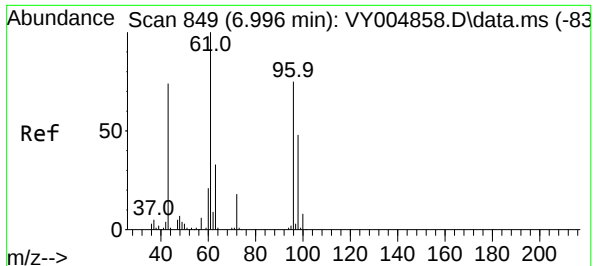
Delta R.T. 0.006 min

Lab File: VY004860.D

Acq: 21 May 2021 12:58

Tgt Ion:	96	Resp:	4319
Ion	Ratio	Lower	Upper
96	100		
61	119.0	94.8	176.2
68	0.0	0.0	0.0





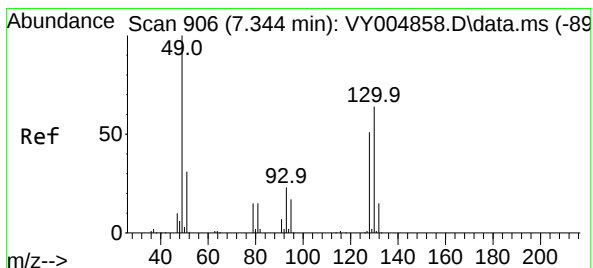
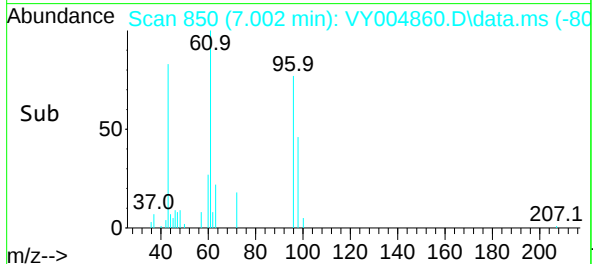
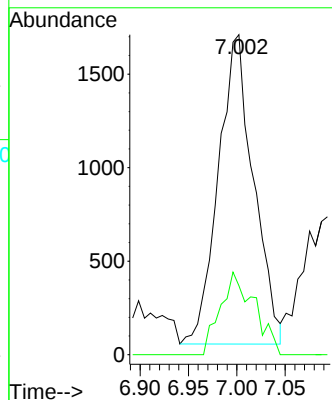
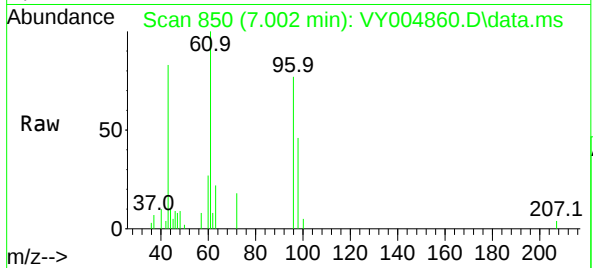
#22
2-Butanone
Concen: 2.02 ug/L
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
72 17.4 12.2 36.6

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

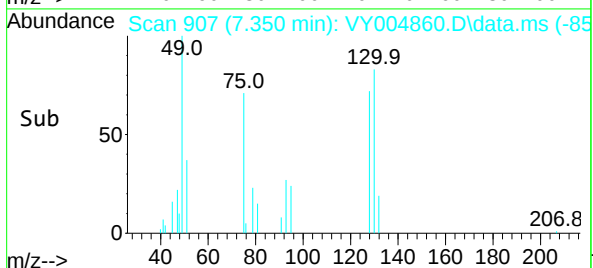
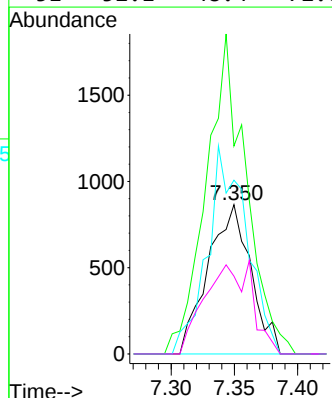
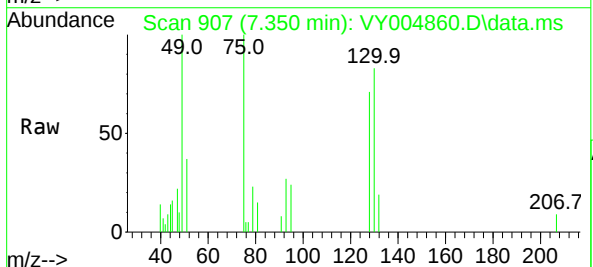
Manual Integrations
APPROVED

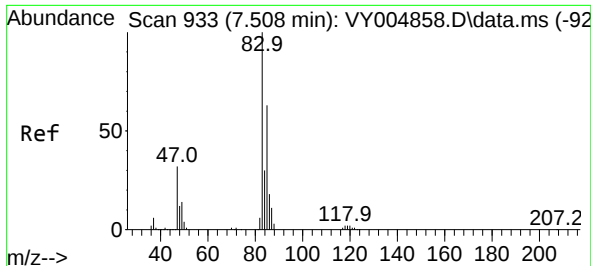
MMDadoda
5/25/2021 10:41:50 AM



#23
Bromochloromethane
Concen: 1.00 ug/L
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

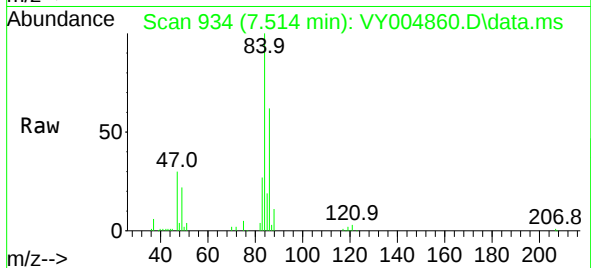
Tgt Ion:128 Resp: 2030
Ion Ratio Lower Upper
128 100
49 139.4 138.9 258.1
130 116.4 88.3 164.1
51 52.1 48.4 72.6





#25
Chloroform
Concen: 1.65 ug/L
RT: 7.514 min Scan# 934
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

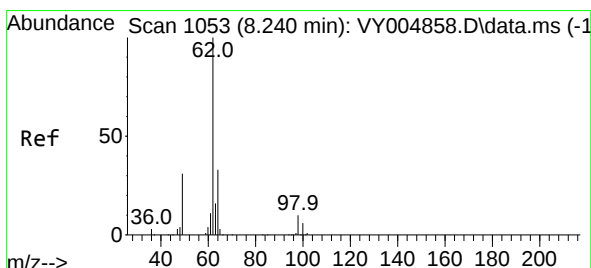
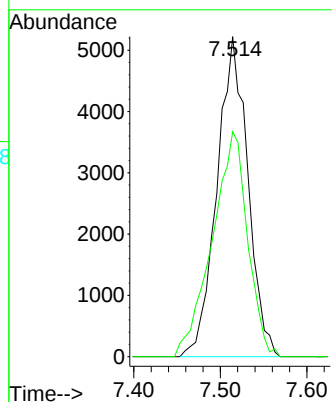
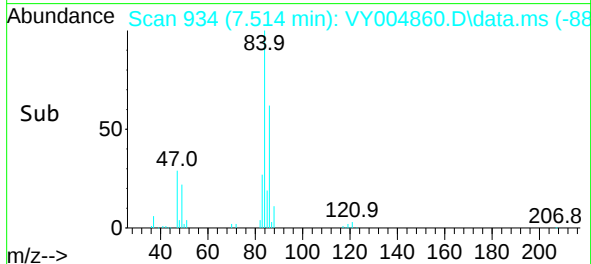
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



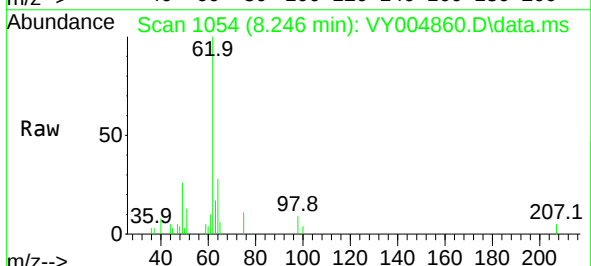
Tgt Ion: 83 Resp: 12912
Ion Ratio Lower Upper
83 100
85 70.3 45.4 84.4

Manual Integrations
APPROVED

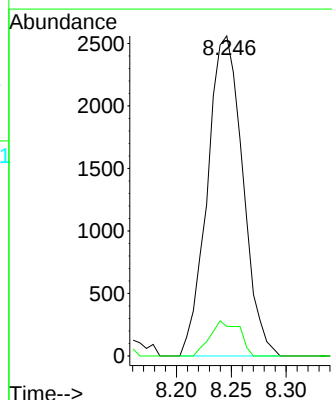
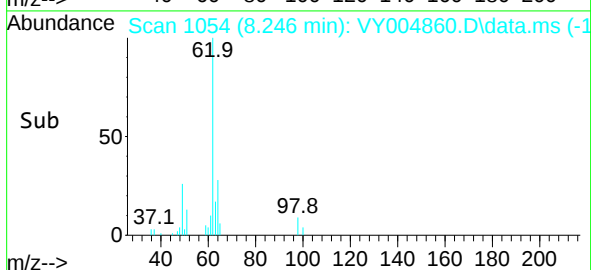
MMDadoda
5/25/2021 10:41:50 AM

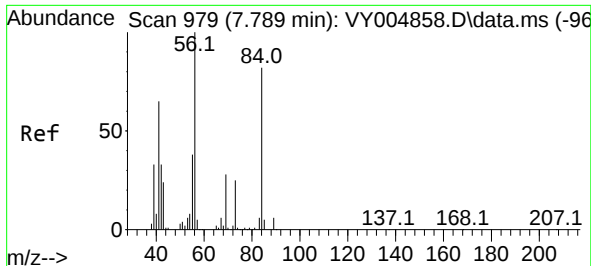


#27
1,2-Dichloroethane
Concen: 1.06 ug/L
RT: 8.246 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



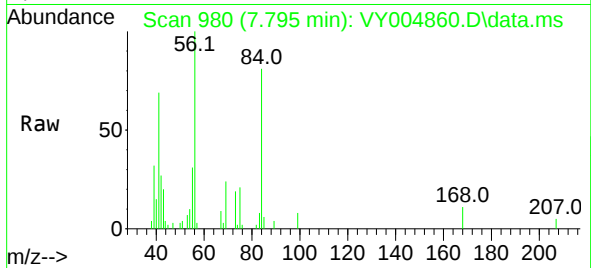
Tgt Ion: 62 Resp: 5739
Ion Ratio Lower Upper
62 100
98 9.3 7.5 11.3





#29
Cyclohexane
Concen: 0.90 ug/L
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

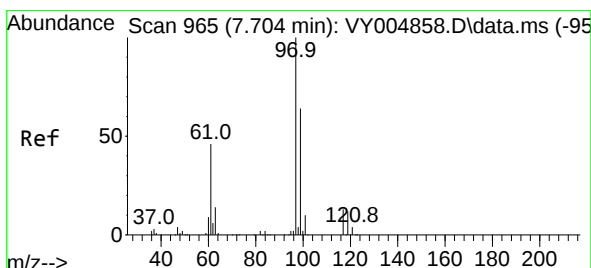
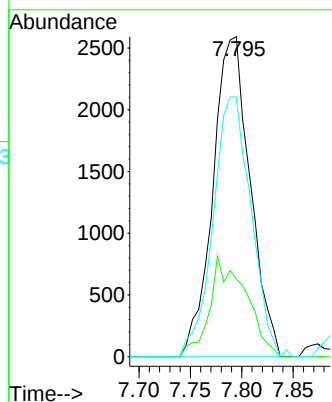
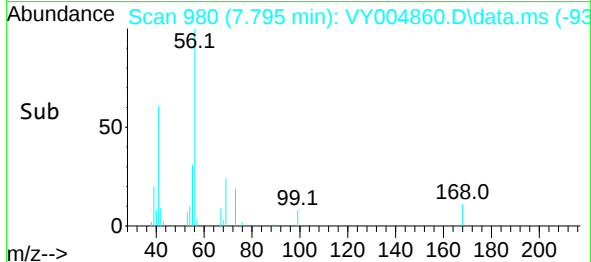
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



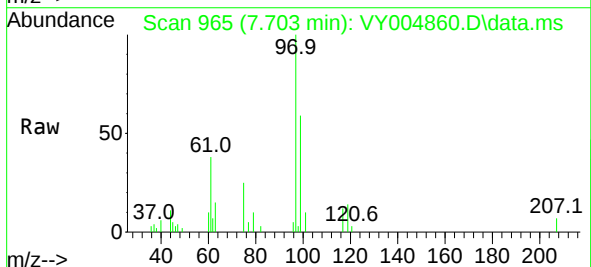
Tgt Ion: 56 Resp: 6525
Ion Ratio Lower Upper
56 100
69 13.4 22.6 33.8#
84 82.5 66.1 99.1

Manual Integrations
APPROVED

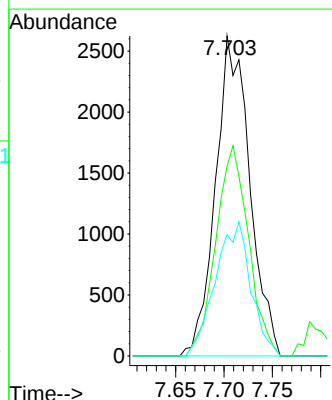
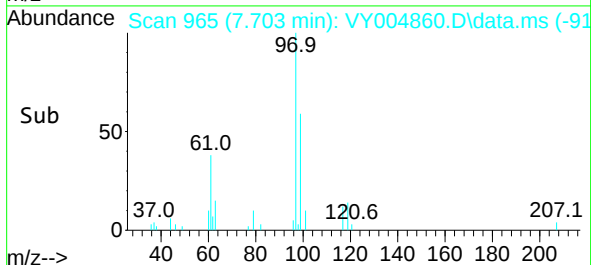
MMDadoda
5/25/2021 10:41:50 AM

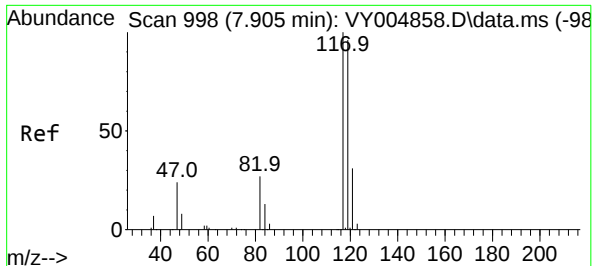


#30
1,1,1-Trichloroethane
Concen: 0.98 ug/L
RT: 7.703 min Scan# 965
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



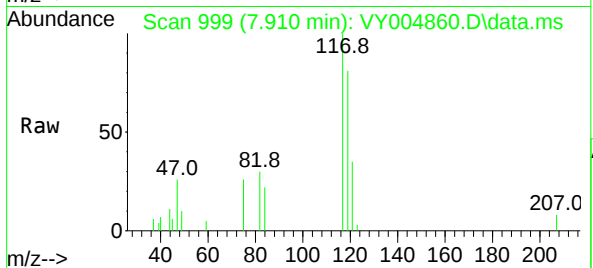
Tgt Ion: 97 Resp: 6450
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.6
61 43.5 37.3 55.9





#31
Carbon tetrachloride
Concen: 0.75 ug/L
RT: 7.910 min Scan# 999
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

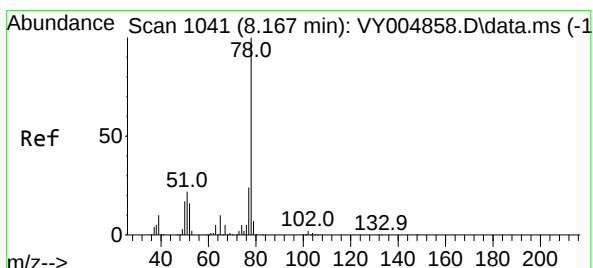
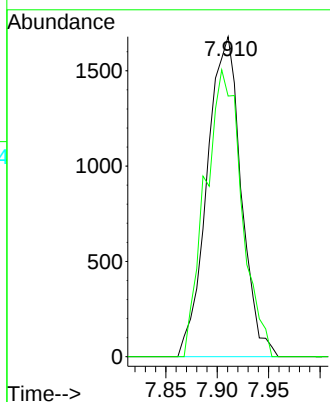
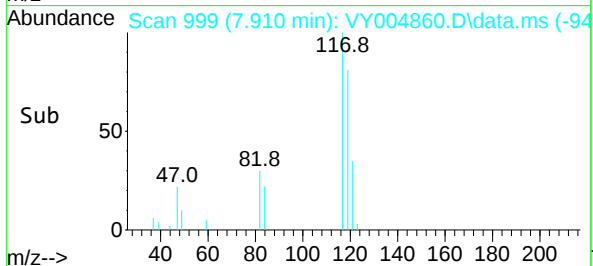
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:117 Resp: 3878
Ion Ratio Lower Upper
117 100
119 95.7 76.2 114.2

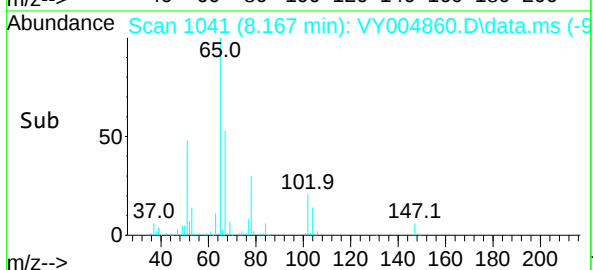
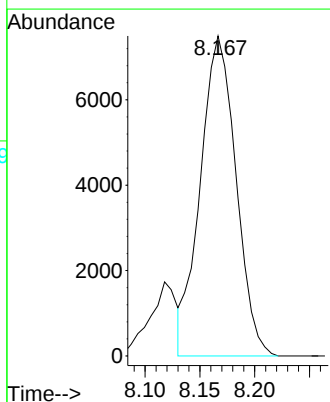
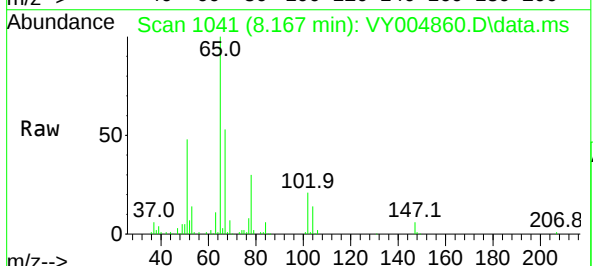
Manual Integrations
APPROVED

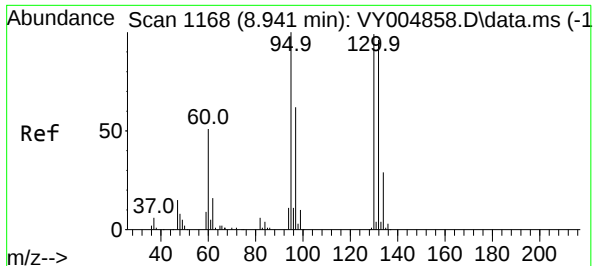
MMDadoda
5/25/2021 10:41:50 AM



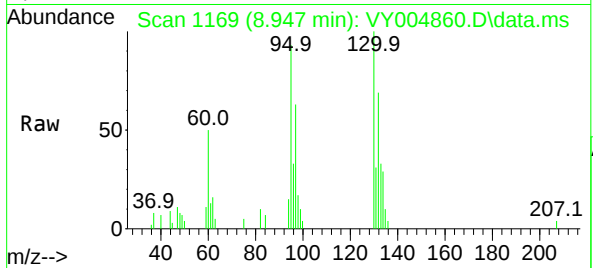
#33
Benzene
Concen: 0.99 ug/L
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 78 Resp: 16973

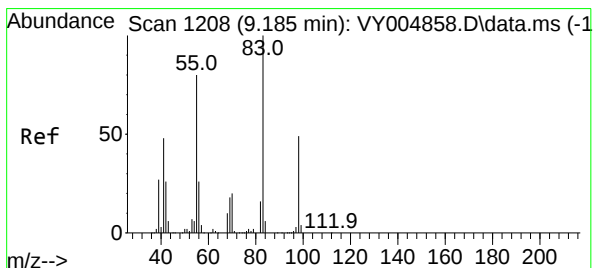
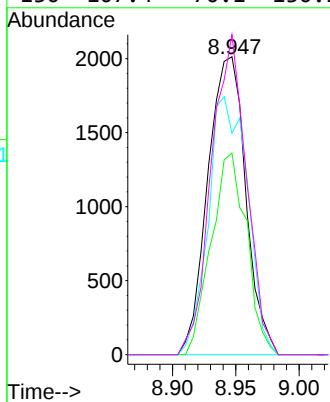
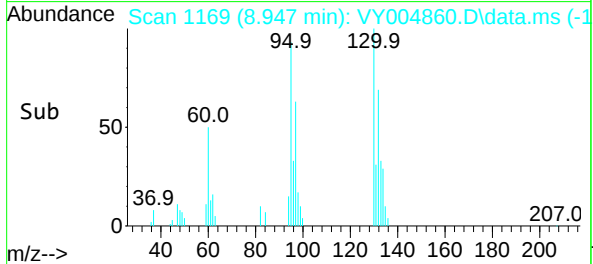




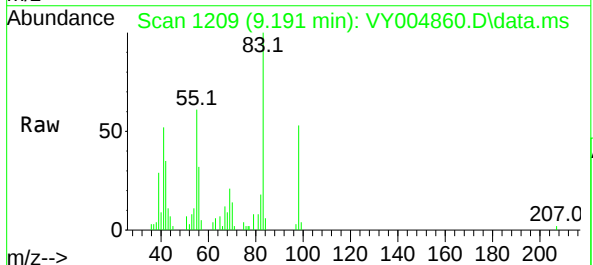
#34
Trichloroethene
Concen: 0.97 ug/L
RT: 8.947 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



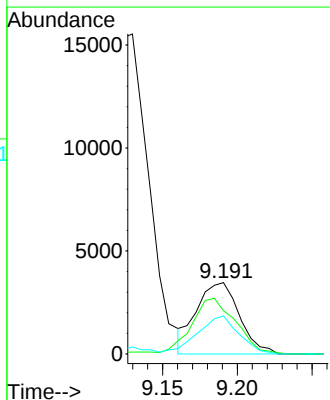
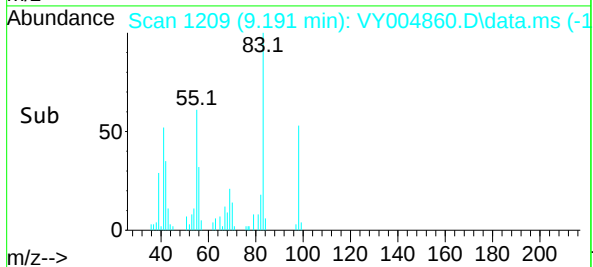
Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.7	44.2	82.2
132	74.3	66.8	124.0
130	107.4	70.1	130.1



#35
Methylcyclohexane
Concen: 0.95 ug/L
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



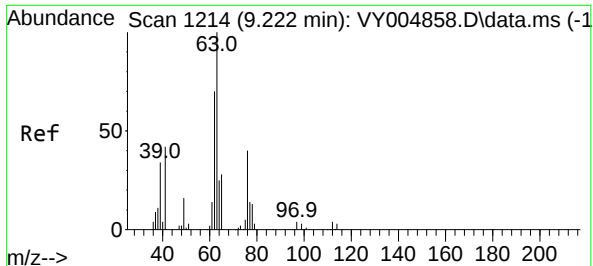
Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.9	95.9
98	51.5	38.7	58.1



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

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



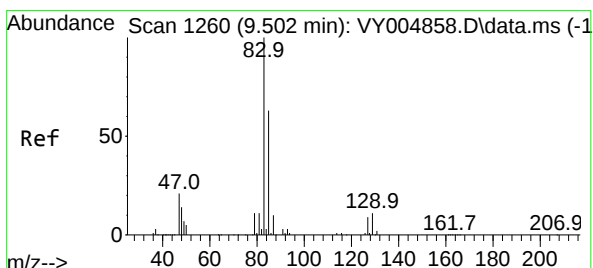
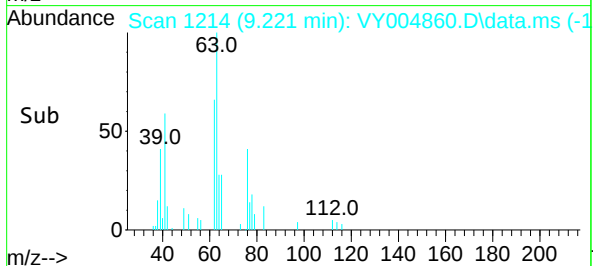
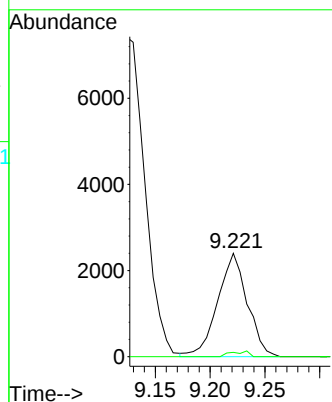
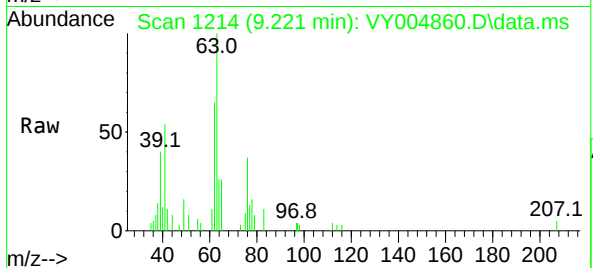
#37
1,2-Dichloropropane
Concen: 0.98 ug/L
RT: 9.221 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 63 Resp: 4517
Ion Ratio Lower Upper
63 100
112 2.1 3.1 4.7#

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

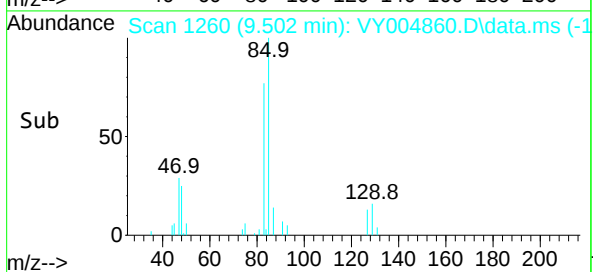
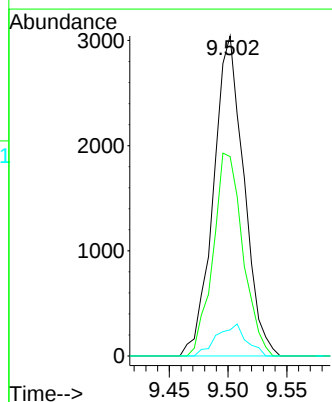
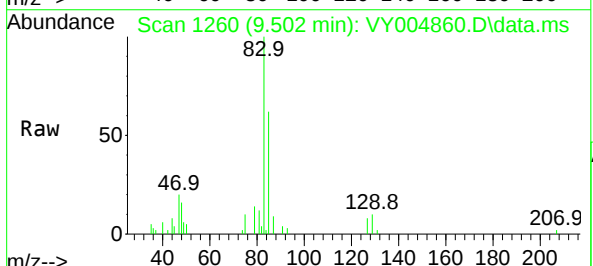
Manual Integrations
APPROVED

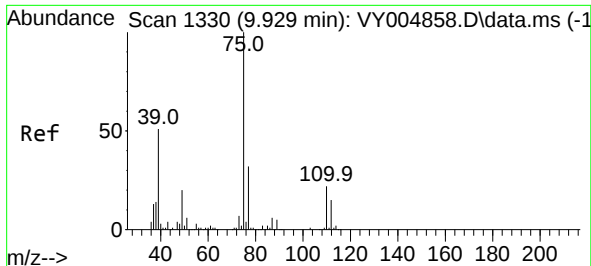
MMDadoda
5/25/2021 10:41:50 AM



#38
Bromodichloromethane
Concen: 0.97 ug/L
RT: 9.502 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 83 Resp: 5479
Ion Ratio Lower Upper
83 100
85 62.3 44.1 81.9
127 8.1 6.9 10.3





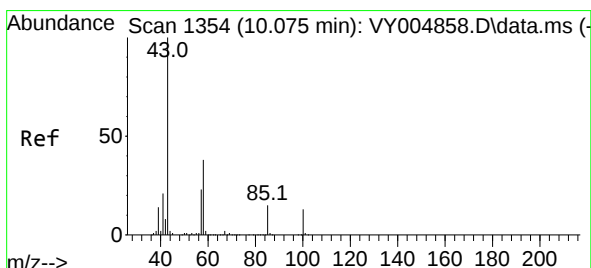
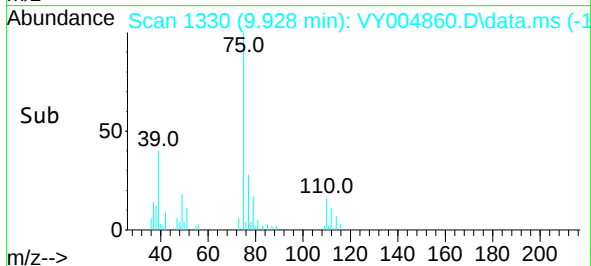
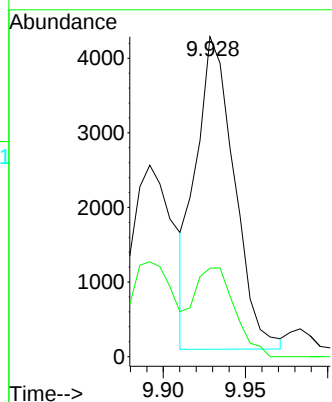
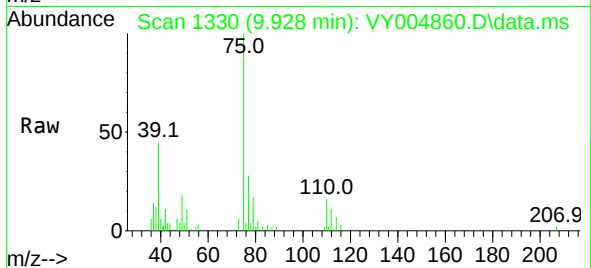
#39
cis-1,3-Dichloropropene
Concen: 0.95 ug/L
RT: 9.928 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 75 Resp: 6791
Ion Ratio Lower Upper
75 100
77 27.7 22.3 41.3

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

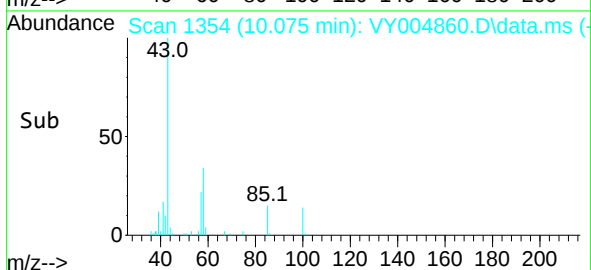
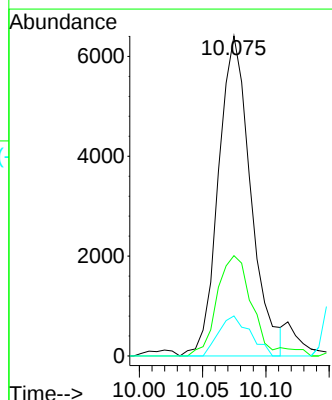
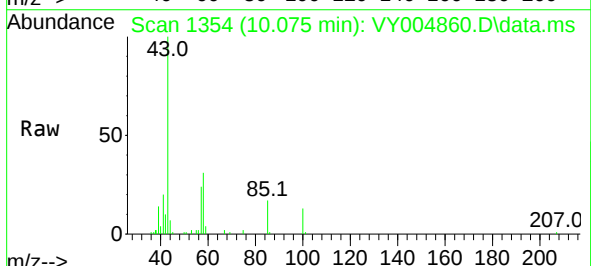
Manual Integrations
APPROVED

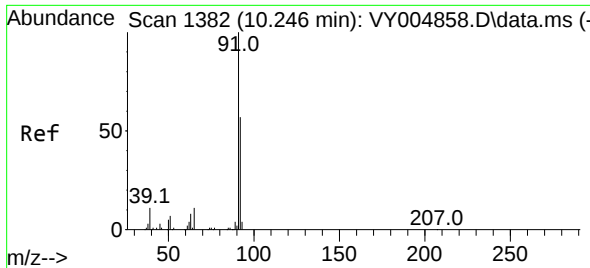
MMDadoda
5/25/2021 10:41:50 AM



#40
4-Methyl-2-pentanone
Concen: 2.32 ug/L
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 43 Resp: 11366
Ion Ratio Lower Upper
43 100
58 32.9 28.5 42.7
100 12.2 10.4 15.6





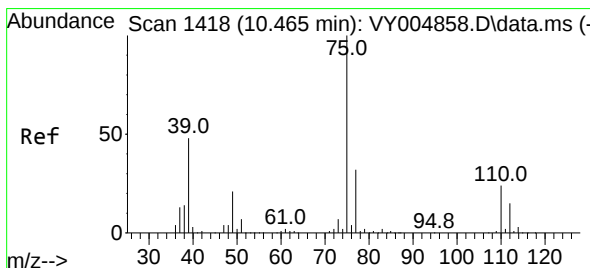
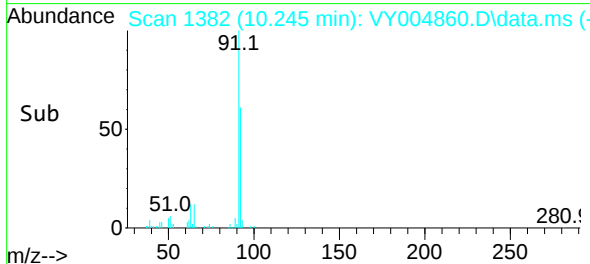
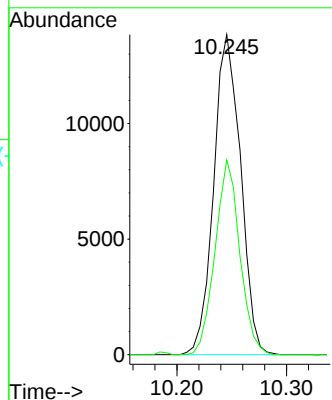
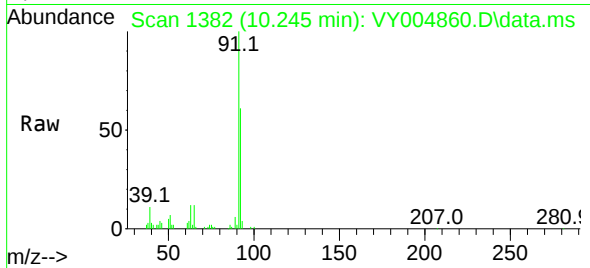
#42
Toluene
Concen: 1.30 ug/L
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 91 Resp: 23601
Ion Ratio Lower Upper
91 100
92 60.9 40.5 75.1

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

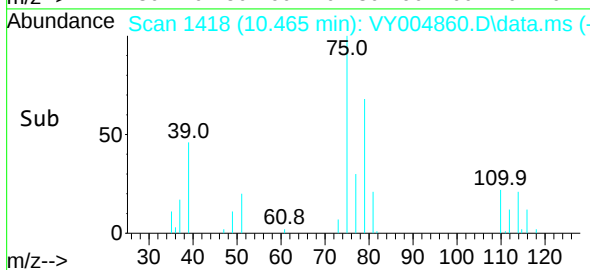
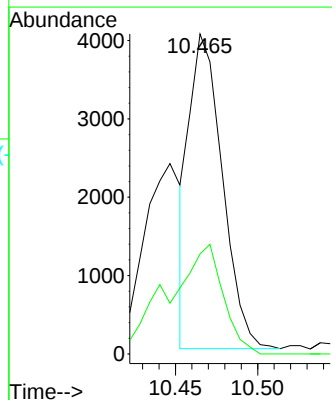
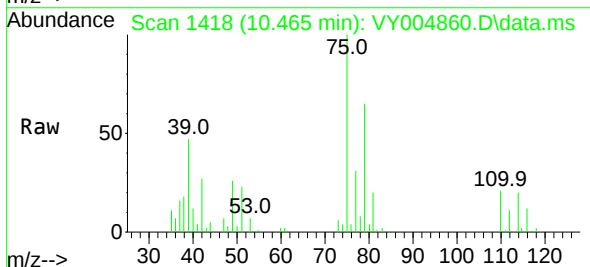
Manual Integrations
APPROVED

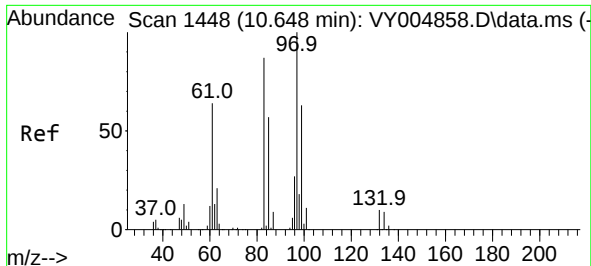
MMDadoda
5/25/2021 10:41:50 AM



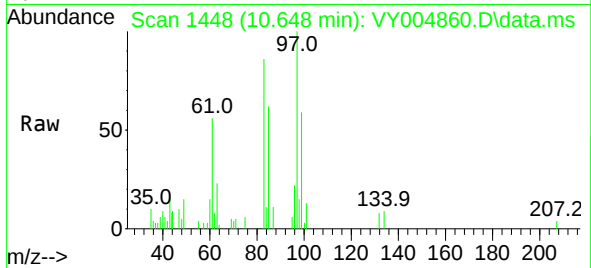
#44
trans-1,3-Dichloropropene
Concen: 0.85 ug/L
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 75 Resp: 5611
Ion Ratio Lower Upper
75 100
77 31.3 21.8 40.4

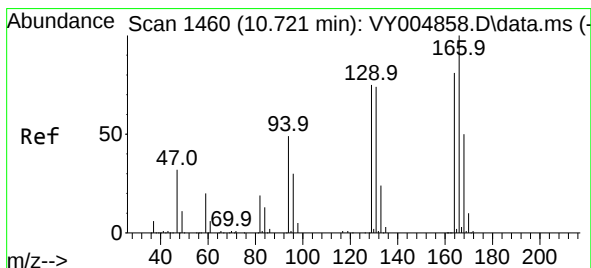
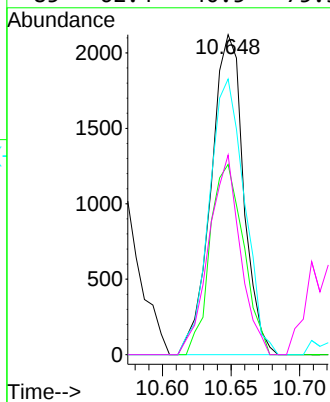
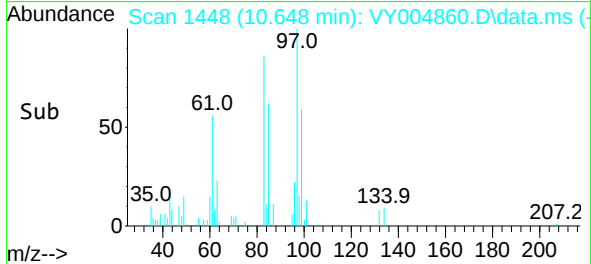




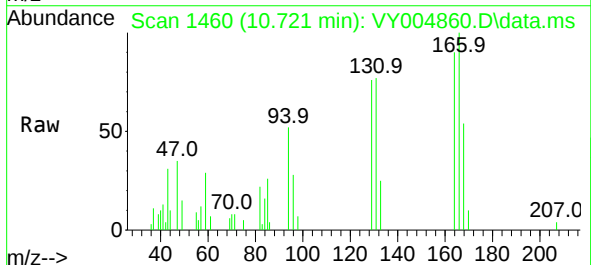
#45
1,1,2-Trichloroethane
Concen: 0.98 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



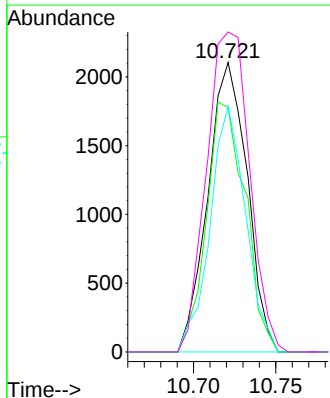
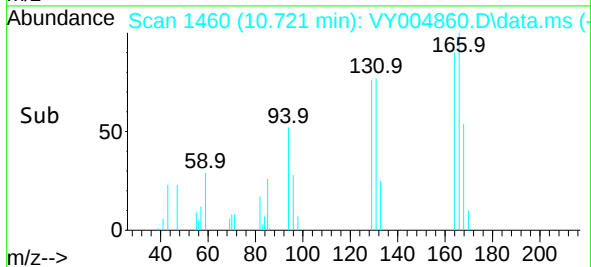
Tgt Ion:	97	Resp:	3508
Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.2	82.0
83	86.1	61.1	113.5
85	62.4	40.5	75.3



#46
Tetrachloroethene
Concen: 1.07 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



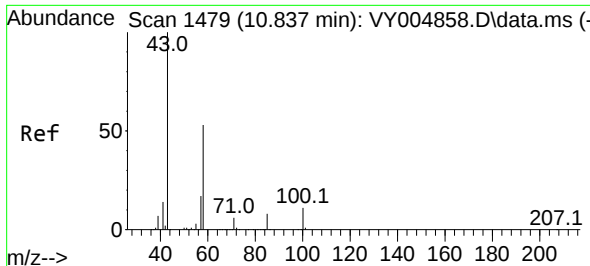
Tgt Ion:	164	Resp:	3503
Ion	Ratio	Lower	Upper
164	100		
129	84.4	65.9	122.3
131	84.9	61.9	115.1
166	110.5	85.3	158.3



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

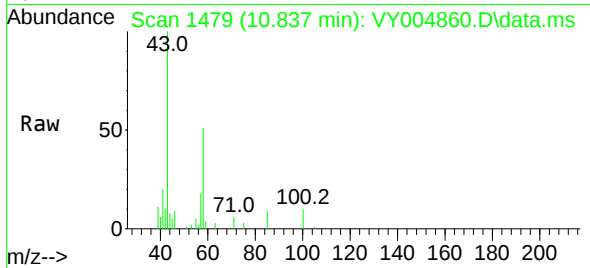
Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



#48
2-Hexanone
Concen: 2.08 ug/L
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

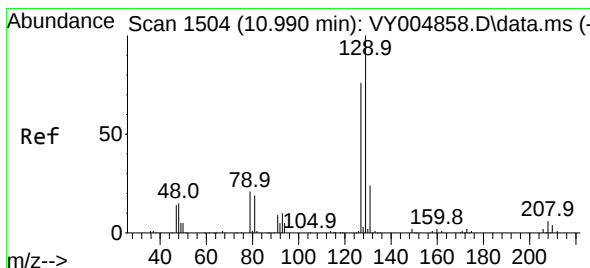
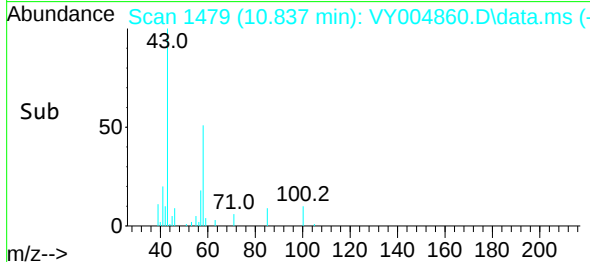
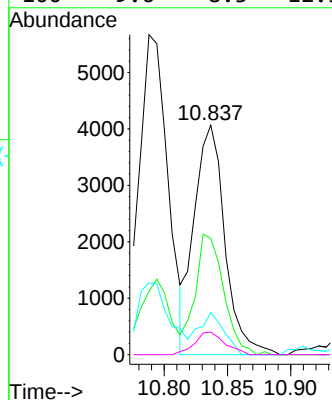
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:	43	Resp:	6883
Ion	Ratio	Lower	Upper
43	100		
58	48.3	41.1	61.7
57	15.0	13.8	20.6
100	9.6	8.3	12.5

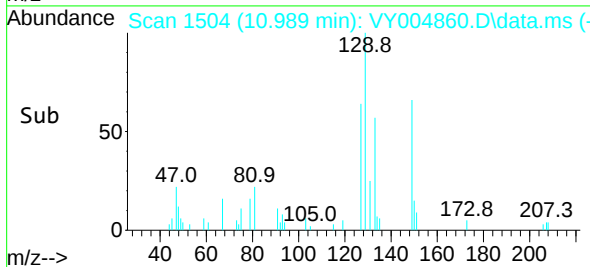
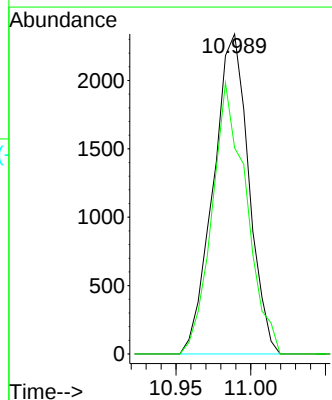
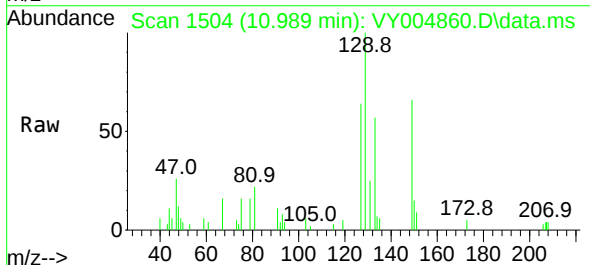
Manual Integrations
APPROVED

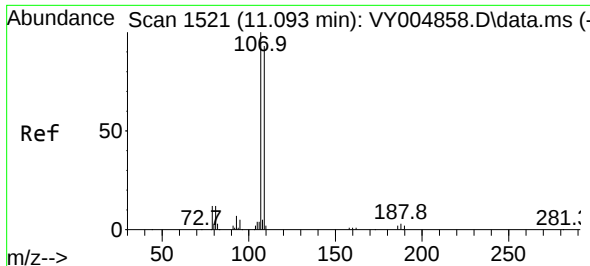
MMDadoda
5/25/2021 10:41:50 AM



#49
Dibromochloromethane
Concen: 0.96 ug/L
RT: 10.989 min Scan# 1504
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

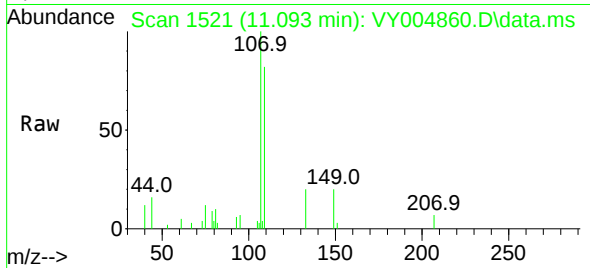
Tgt Ion:	129	Resp:	3848
Ion	Ratio	Lower	Upper
129	100		
127	64.4	52.8	98.0





#50
1,2-Dibromoethane
Concen: 0.98 ug/L
RT: 11.093 min Scan# 1521
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

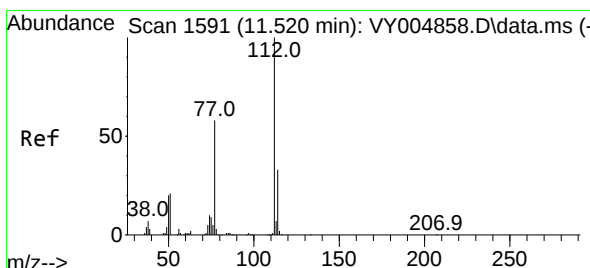
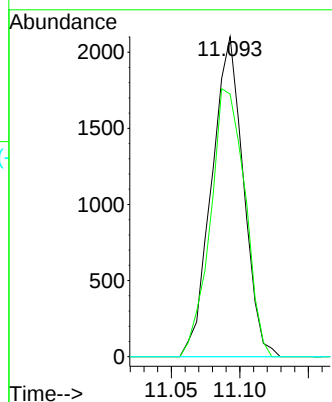
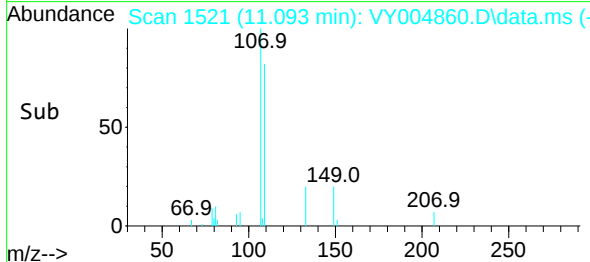
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



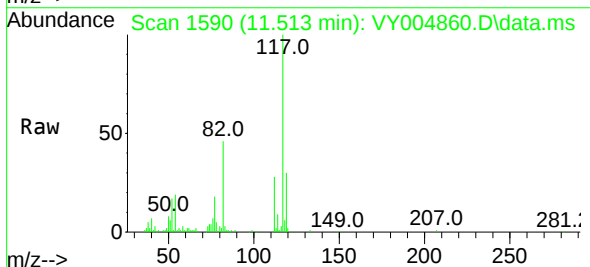
Tgt Ion:107 Resp: 3379
Ion Ratio Lower Upper
107 100
109 82.1 65.7 121.9
188 0.0 2.8 4.2#

Manual Integrations
APPROVED

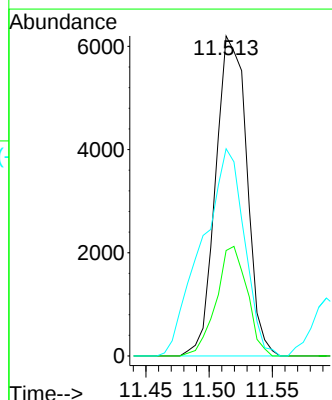
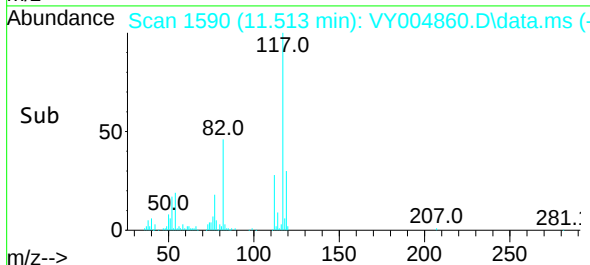
MMDadoda
5/25/2021 10:41:50 AM

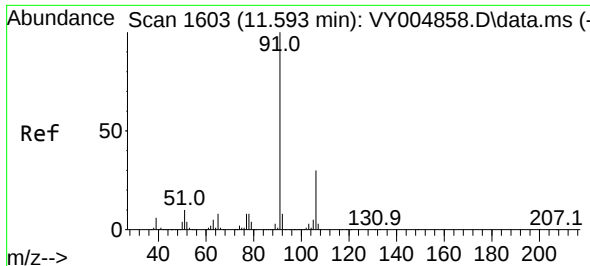


#51
Chlorobenzene
Concen: 0.94 ug/L
RT: 11.513 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



Tgt Ion:112 Resp: 10597
Ion Ratio Lower Upper
112 100
114 32.9 22.3 41.5
77 64.8 46.5 69.7





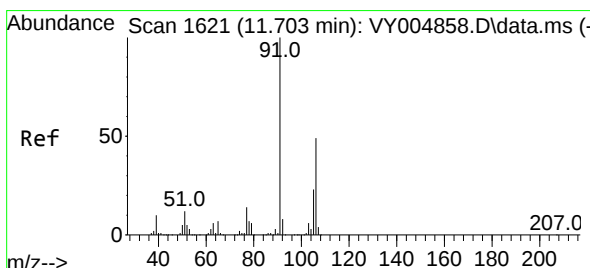
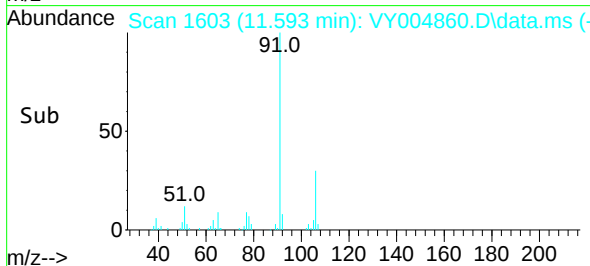
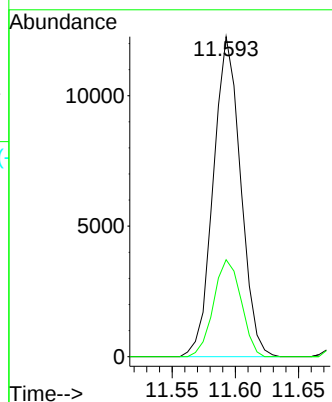
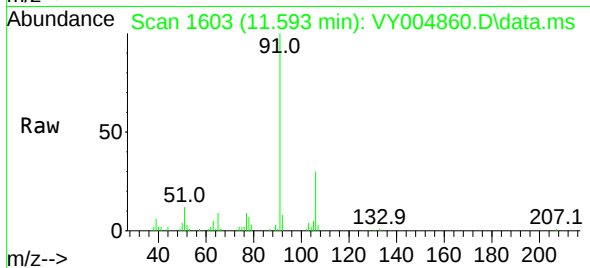
#52
Ethylbenzene
Concen: 0.94 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion: 91 Resp: 18408
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4

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

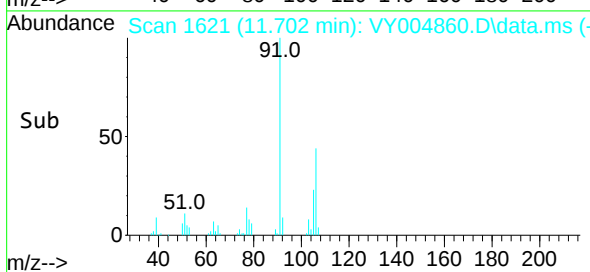
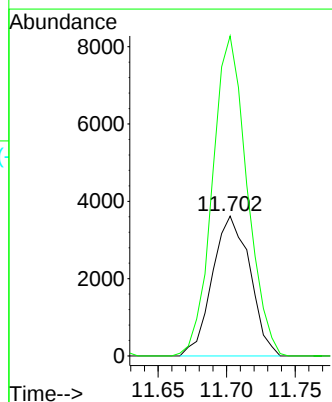
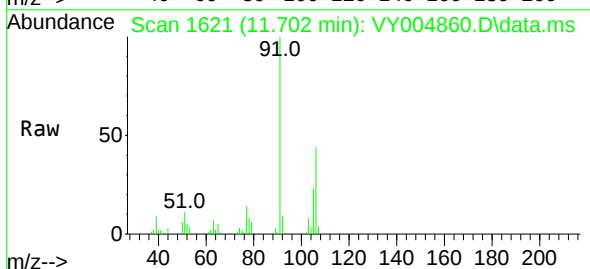
Manual Integrations
APPROVED

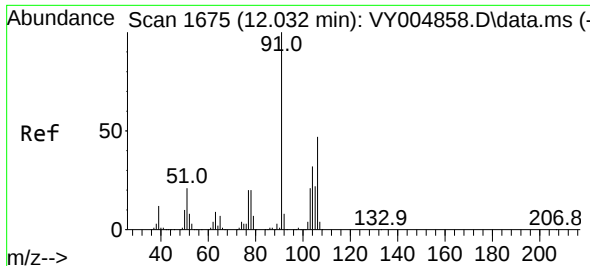
MMDadoda
5/25/2021 10:41:50 AM



#53
m,p-Xylene
Concen: 0.95 ug/L
RT: 11.702 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

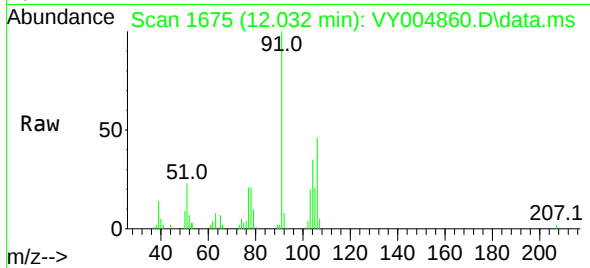
Tgt Ion: 106 Resp: 6921
Ion Ratio Lower Upper
106 100
91 228.8 145.7 270.5





#54
o-Xylene
Concen: 0.87 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

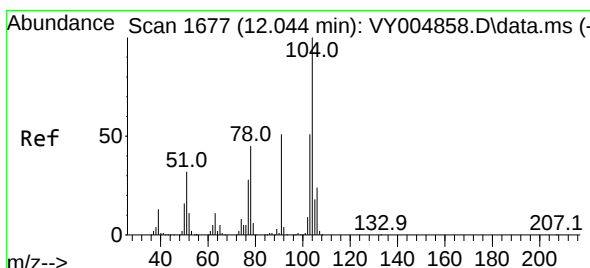
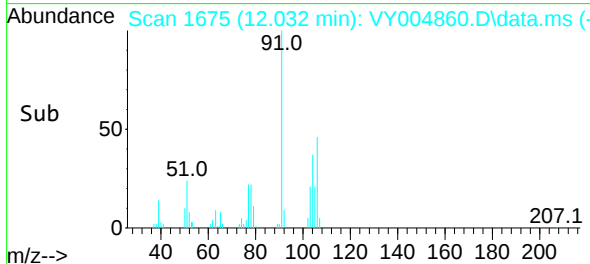
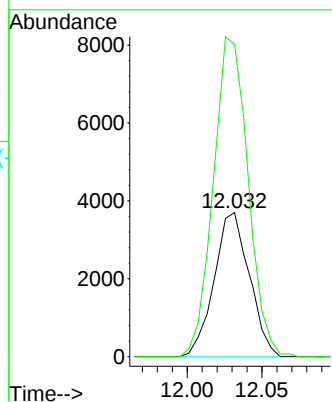
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



Tgt Ion:106 Resp: 6058
Ion Ratio Lower Upper
106 100
91 216.4 150.6 279.6

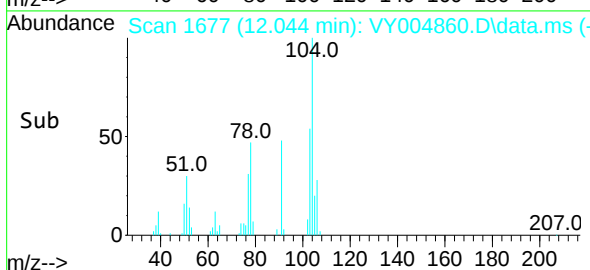
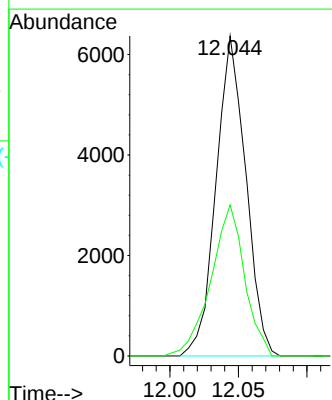
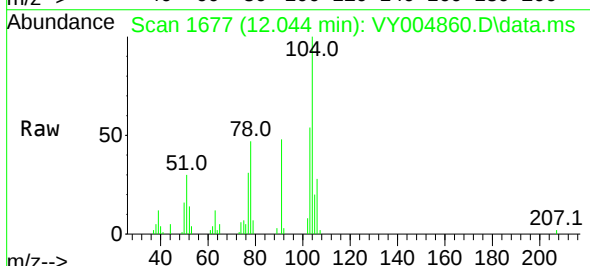
Manual Integrations
APPROVED

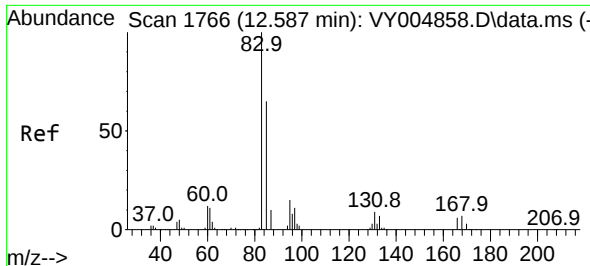
MMDadoda
5/25/2021 10:41:50 AM



#55
Styrene
Concen: 0.81 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

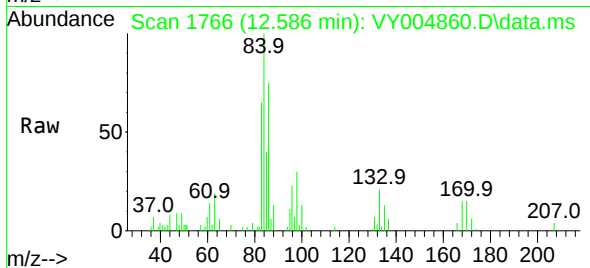
Tgt Ion:104 Resp: 9614
Ion Ratio Lower Upper
104 100
78 47.2 31.8 59.0





#57
1,1,2,2-Tetrachloroethane
Concen: 1.05 ug/L
RT: 12.586 min Scan# 1766
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

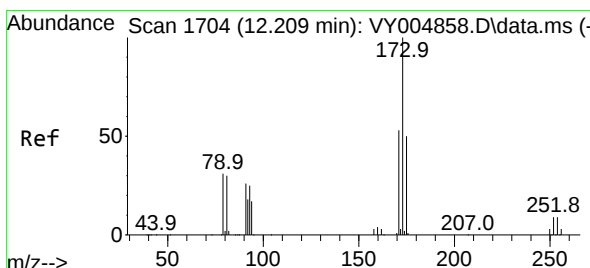
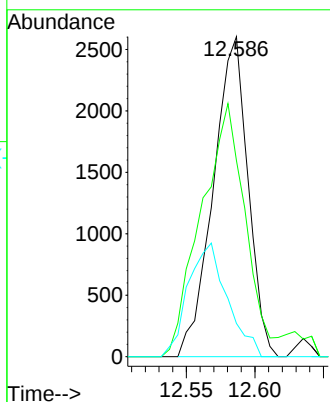
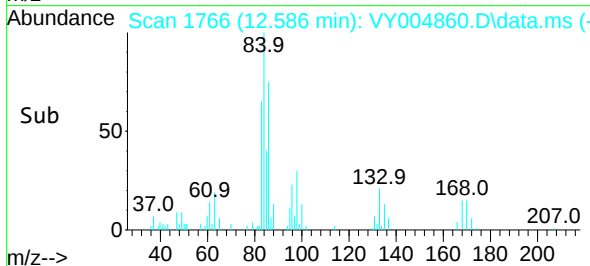
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



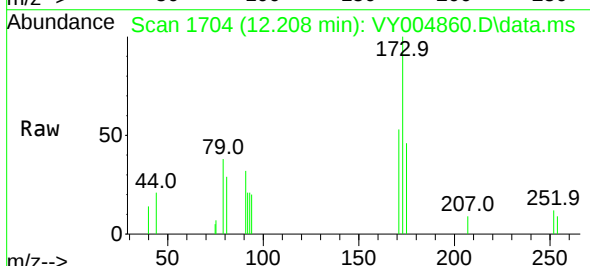
Tgt Ion: 83 Resp: 4582
Ion Ratio Lower Upper
83 100
85 61.3 45.0 83.6
131 10.4 6.9 10.3#

Manual Integrations
APPROVED

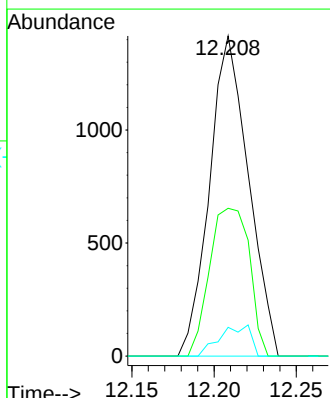
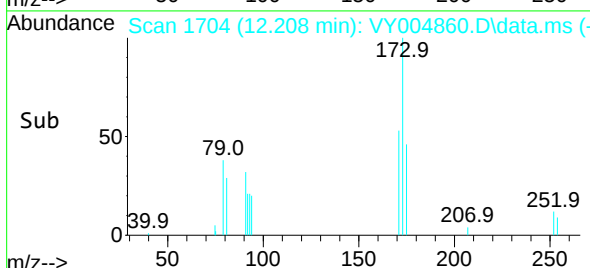
MMDadoda
5/25/2021 10:41:50 AM

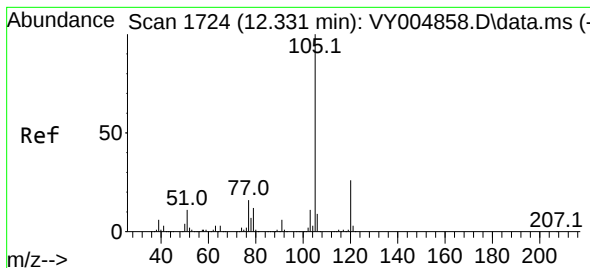


#59
Bromoform
Concen: 0.96 ug/L
RT: 12.208 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



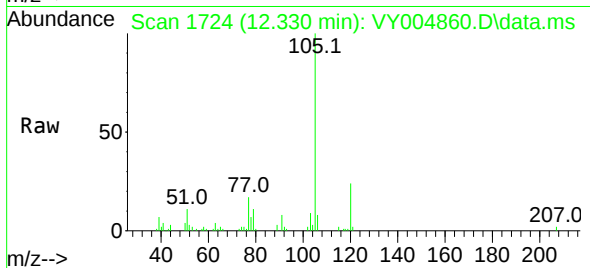
Tgt Ion: 173 Resp: 2332
Ion Ratio Lower Upper
173 100
175 47.3 38.8 58.2
254 7.7 7.3 10.9





#60
Isopropylbenzene
Concen: 0.90 ug/L
RT: 12.330 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

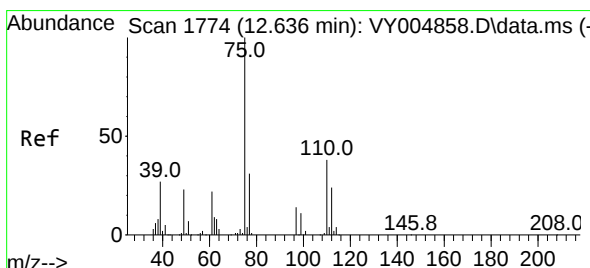
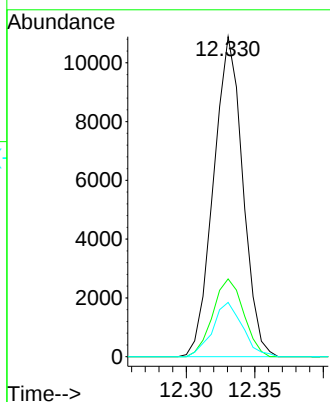
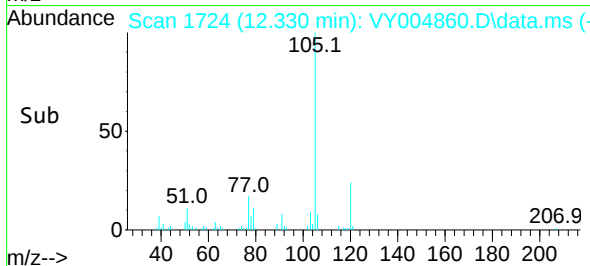
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



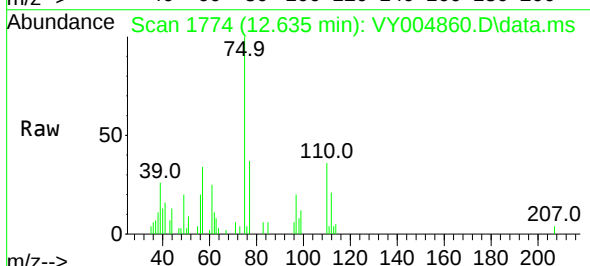
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.6
77	17.4	12.7	19.1

Manual Integrations
APPROVED

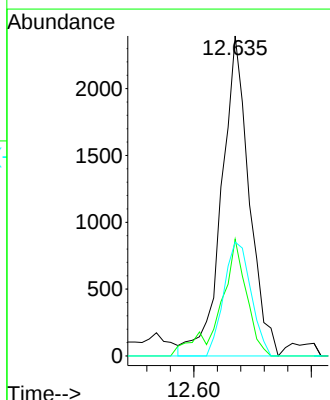
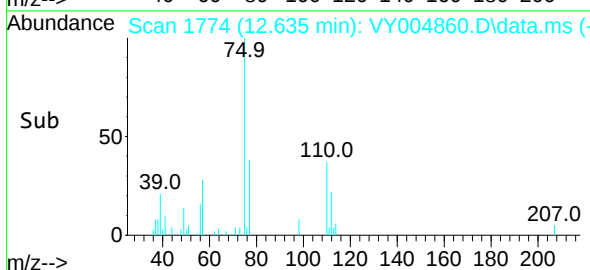
MMDadoda
5/25/2021 10:41:50 AM

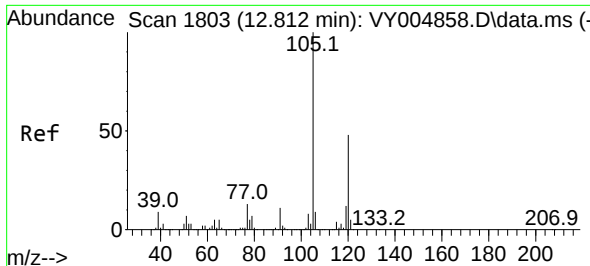


#61
1,2,3-Trichloropropane
Concen: 1.12 ug/L
RT: 12.635 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



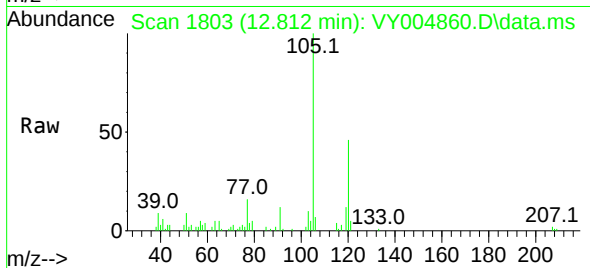
Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.7	38.5
110	35.0	30.8	46.2





#62
1,3,5-Trimethylbenzene
Concen: 0.90 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

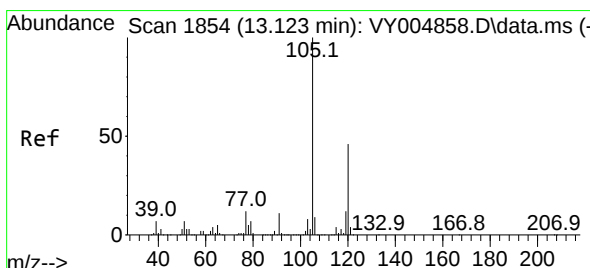
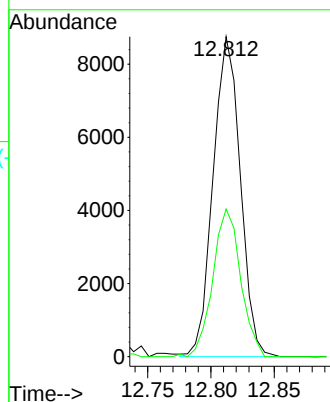
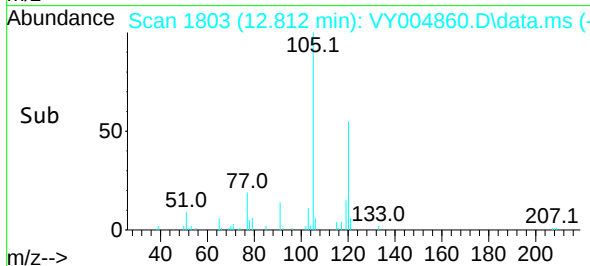
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-06



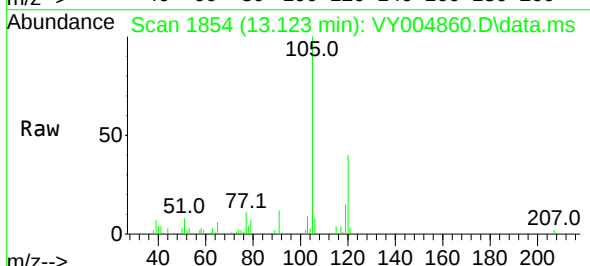
Tgt Ion:105 Resp: 13077
Ion Ratio Lower Upper
105 100
120 47.0 38.3 57.5

Manual Integrations
APPROVED

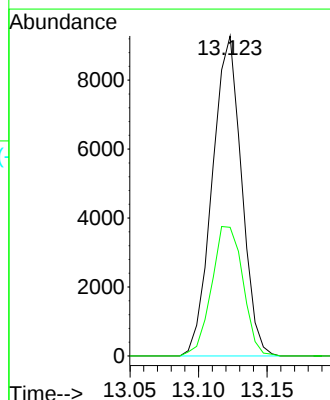
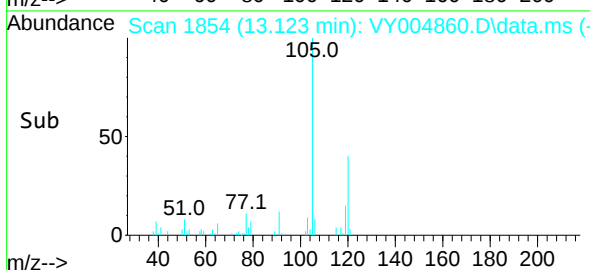
MMDadoda
5/25/2021 10:41:50 AM

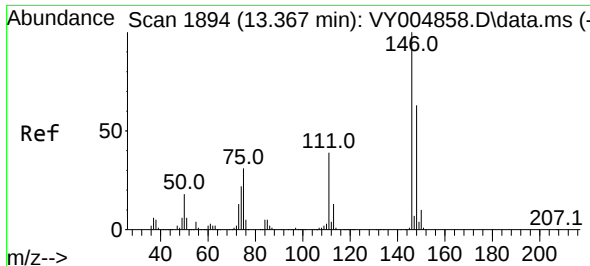


#63
1,2,4-Trimethylbenzene
Concen: 0.95 ug/L
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

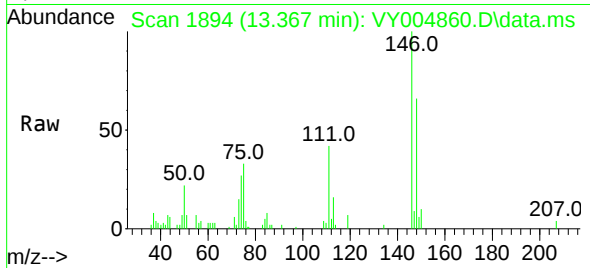


Tgt Ion:105 Resp: 13761
Ion Ratio Lower Upper
105 100
120 43.4 36.2 54.4

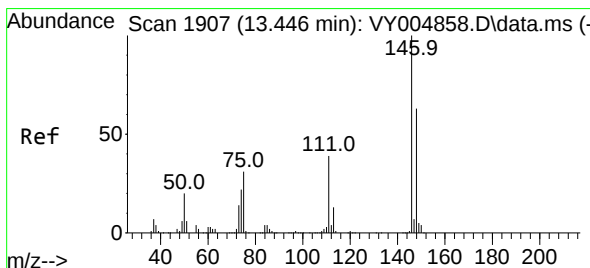
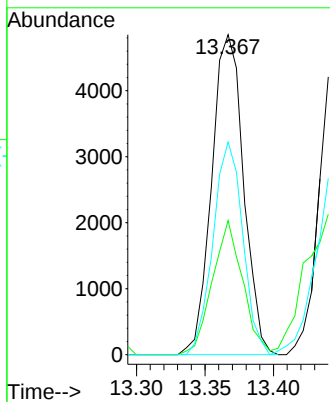
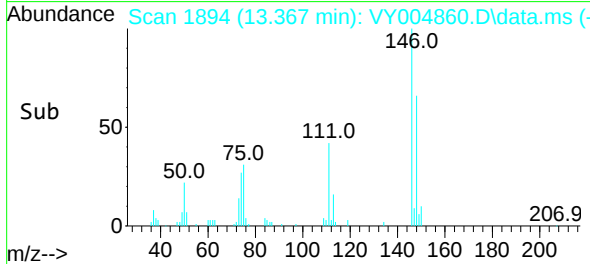




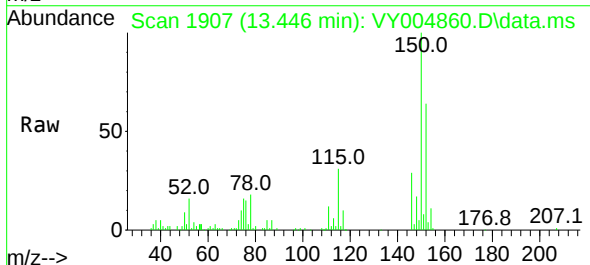
#64
1,3-Dichlorobenzene
Concen: 1.02 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



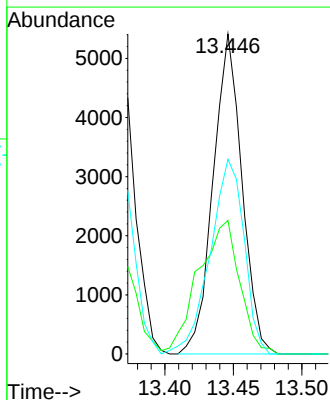
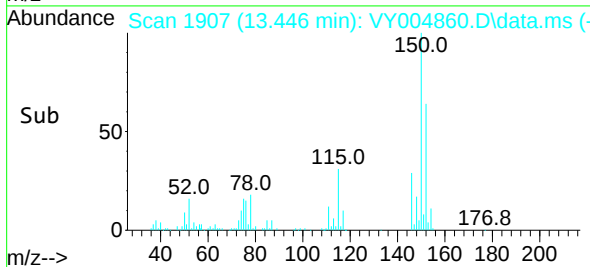
Tgt Ion:146 Resp: 7833
Ion Ratio Lower Upper
146 100
111 41.9 27.4 51.0
148 66.4 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 1.02 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



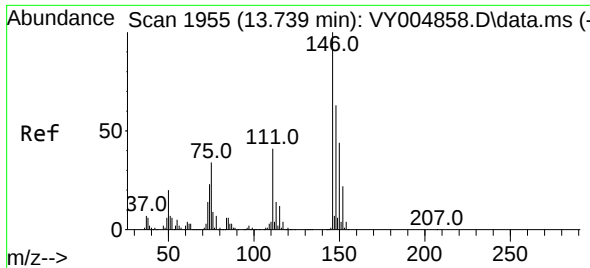
Tgt Ion:146 Resp: 7913
Ion Ratio Lower Upper
146 100
111 41.7 26.4 49.0
148 60.8 44.3 82.3



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

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



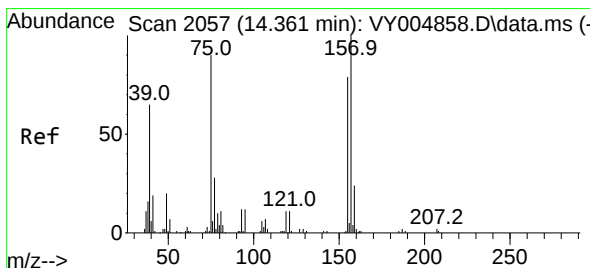
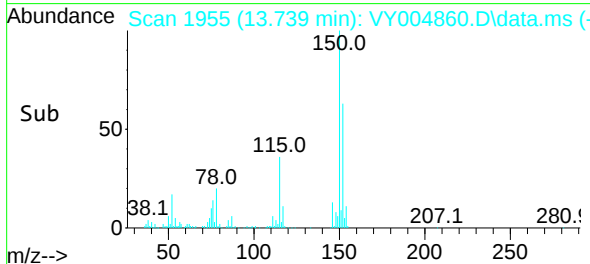
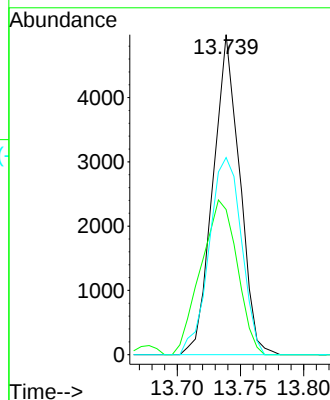
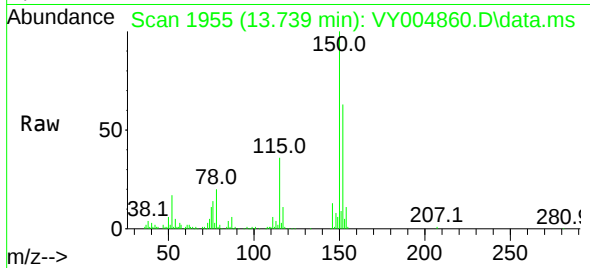
#67
1,2-Dichlorobenzene
Concen: 1.03 ug/L
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:	146	Resp:	7305
Ion Ratio	Lower	Upper	
146	100		
111	45.4	33.9	50.9
148	61.6	49.7	74.5

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

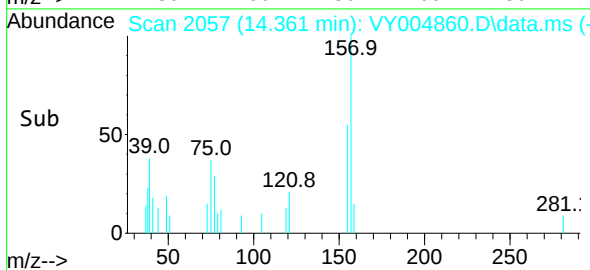
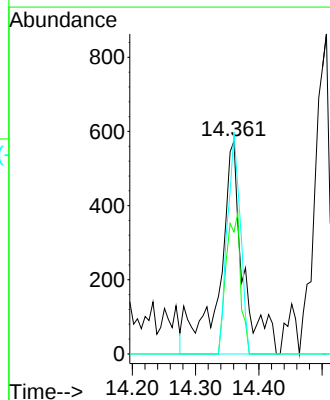
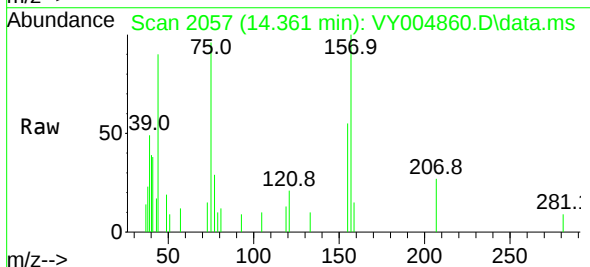
Manual Integrations
APPROVED

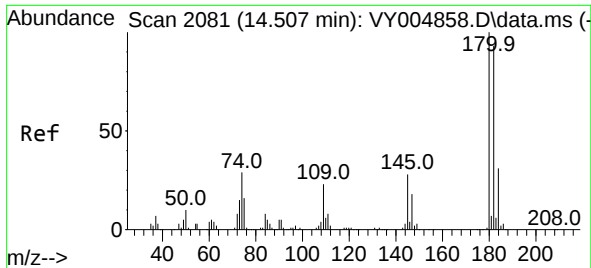
MMDadoda
5/25/2021 10:41:50 AM



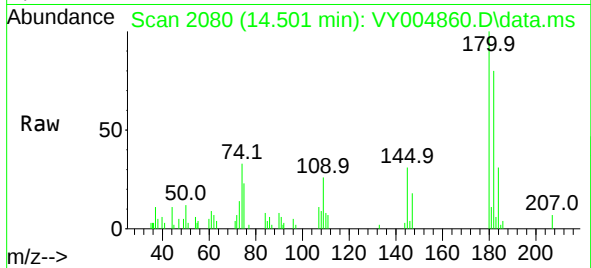
#68
1,2-Dibromo-3-chloropropane
Concen: 1.90 ug/L
RT: 14.361 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:	75	Resp:	1502
Ion Ratio	Lower	Upper	
75	100		
155	57.3	64.5	96.7#
157	104.2	77.4	116.2

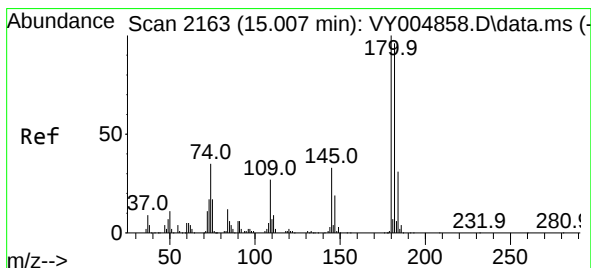
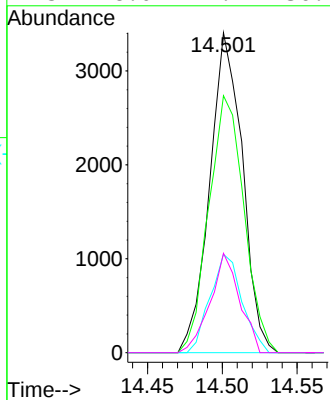
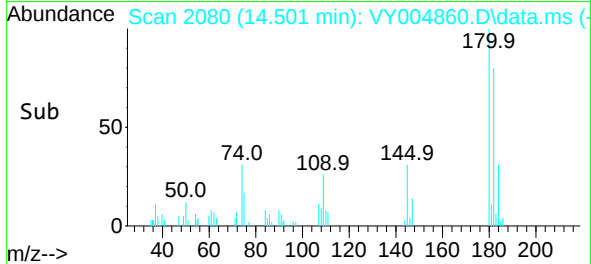




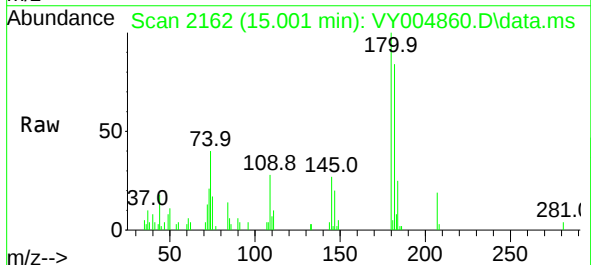
#69
1,3,5-Trichlorobenzene
Concen: 1.00 ug/L
RT: 14.501 min Scan# 2080
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



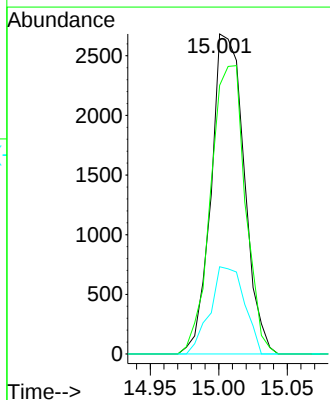
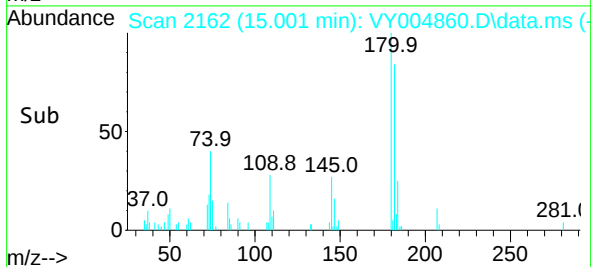
Tgt Ion:180 Resp: 5174
Ion Ratio Lower Upper
180 100
182 86.5 76.1 114.1
184 30.1 24.6 36.8
145 28.0 24.4 36.6



#70
1,2,4-trichlorobenzene
Concen: 1.04 ug/L
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58



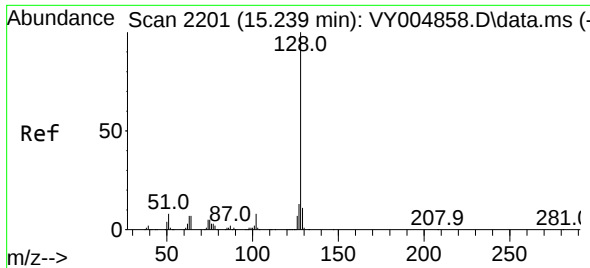
Tgt Ion:180 Resp: 4492
Ion Ratio Lower Upper
180 100
182 94.4 76.4 114.6
145 28.3 25.0 37.6



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

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



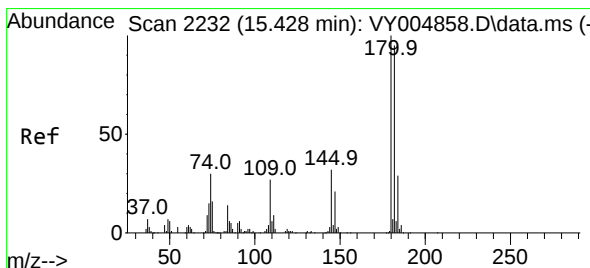
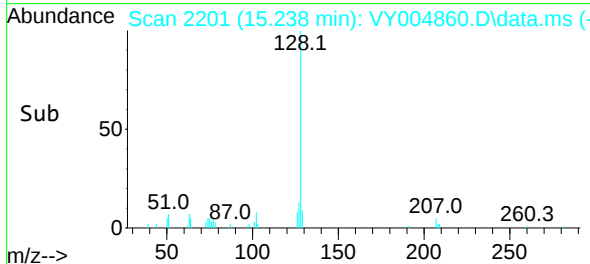
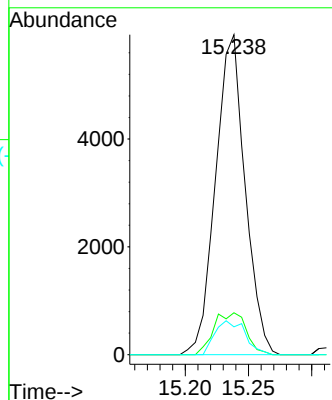
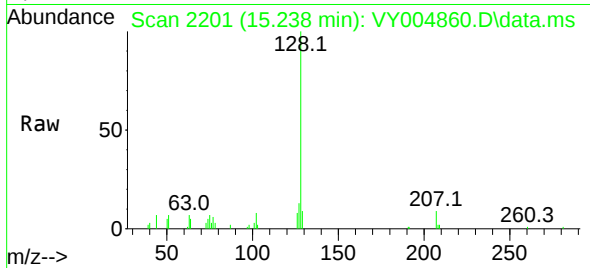
#71
Naphthalene
Concen: 0.89 ug/L
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:128 Resp: 9637
Ion Ratio Lower Upper
128 100
127 7.1 10.3 15.5#
129 10.9 8.9 13.3

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

Manual Integrations
APPROVED

MMDadoda
5/25/2021 10:41:50 AM



#72
1,2,3-Trichlorobenzene
Concen: 1.04 ug/L
RT: 15.421 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY004860.D
Acq: 21 May 2021 12:58

Tgt Ion:180 Resp: 4091
Ion Ratio Lower Upper
180 100
182 88.7 76.2 114.2
145 17.3 25.8 38.8#

