

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012865.D
 Acq On : 08 Mar 2023 12:54
 Operator : KP/MD
 Sample : 01627-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 09 00:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45091	46.489	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.980%		
35) Dibromofluoromethane	7.716	113	44361	48.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.340%		
50) Toluene-d8	10.179	98	151085	44.873	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.740%		
62) 4-Bromofluorobenzene	12.483	95	50691	44.606	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4310	4.476	ug/l	98
3) Chloromethane	2.113	50	4826	4.192	ug/l #	87
4) Vinyl Chloride	2.253	62	4514	4.276	ug/l	95
5) Bromomethane	2.656	94	3197	4.984	ug/l	89
6) Chloroethane	2.796	64	2790	4.413	ug/l	96
7) Trichlorofluoromethane	3.125	101	8225	4.692	ug/l	98
8) Diethyl Ether	3.534	74	2634	4.287	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	4496	4.263	ug/l	98
10) Methyl Iodide	4.088	142	5178	3.768	ug/l #	92
11) Tert butyl alcohol	4.930	59	4624	23.165	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	4388	4.362	ug/l	83
13) Acrolein	3.729	56	3158	18.584	ug/l	97
14) Allyl chloride	4.479	41	6373	3.430	ug/l	91
15) Acrylonitrile	5.167	53	6082	18.788	ug/l	95
16) Acetone	3.942	43	7613	19.997	ug/l	92
17) Carbon Disulfide	4.198	76	13449	3.928	ug/l #	89
18) Methyl Acetate	4.479	43	4216	3.719	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	9893	3.807	ug/l	97
20) Methylene Chloride	4.716	84	10484	4.091	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	4861	4.447	ug/l #	83
22) Diisopropyl ether	6.125	45	12000	3.555	ug/l #	88
23) Vinyl Acetate	6.064	43	37344	17.808	ug/l	96
24) 1,1-Dichloroethane	6.021	63	8523	4.432	ug/l	95
25) 2-Butanone	6.990	43	9390	19.914	ug/l	99
26) 2,2-Dichloropropane	6.984	77	8501	4.977	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	5060	4.317	ug/l	92
28) Bromochloromethane	7.332	49	2356	3.352	ug/l #	99
29) Tetrahydrofuran	7.344	42	5095	17.915	ug/l	96
30) Chloroform	7.508	83	8852	4.660	ug/l	99
31) Cyclohexane	7.783	56	8318	4.478	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	7582	4.413	ug/l	97
36) 1,1-Dichloropropene	7.917	75	6219	4.029	ug/l	97
37) Ethyl Acetate	7.070	43	3027	3.112	ug/l #	89
38) Carbon Tetrachloride	7.899	117	7217	4.528	ug/l	97
39) Methylcyclohexane	9.185	83	7156	3.900	ug/l	93
40) Benzene	8.161	78	18735	4.291	ug/l	98

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Manual Integrations
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Reviewed By :Krupa Patel 03/09/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	1249m	2.383	ug/l	
42) 1,2-Dichloroethane	8.234	62	5961	4.542	ug/l	99
43) Isopropyl Acetate	8.271	43	6655	3.835	ug/l	97
44) Trichloroethene	8.941	130	5052	4.389	ug/l	86
45) 1,2-Dichloropropane	9.209	63	4571	4.143	ug/l	98
46) Dibromomethane	9.307	93	2722	4.330	ug/l	95
47) Bromodichloromethane	9.496	83	6511	4.396	ug/l #	98
48) Methyl methacrylate	9.295	41	2997	3.748	ug/l	99
49) 1,4-Dioxane	9.301	88	578	71.130	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	16753	17.796	ug/l	100
52) Toluene	10.246	92	11463	4.354	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	6412	4.127	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	7066	4.018	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	3930	4.489	ug/l #	84
56) Ethyl methacrylate	10.508	69	4180	3.581	ug/l	96
57) 1,3-Dichloropropane	10.788	76	6332	4.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	10524	17.175	ug/l	93
59) 2-Hexanone	10.831	43	11931	17.438	ug/l	96
60) Dibromochloromethane	10.983	129	4617	4.333	ug/l	95
61) 1,2-Dibromoethane	11.087	107	3487	4.135	ug/l	97
64) Tetrachloroethene	10.721	164	4679	4.688	ug/l	97
65) Chlorobenzene	11.514	112	12318	4.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	4658	4.376	ug/l	98
67) Ethyl Benzene	11.593	91	19923	3.939	ug/l	97
68) m/p-Xylenes	11.697	106	14877	7.646	ug/l	96
69) o-Xylene	12.032	106	6892	3.795	ug/l	98
70) Styrene	12.044	104	11067	3.652	ug/l	96
71) Bromoform	12.209	173	3099	4.465	ug/l #	96
73) Isopropylbenzene	12.331	105	18211	3.855	ug/l	100
74) N-amyl acetate	12.142	43	5099	3.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	4594	4.326	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	3475m	4.366	ug/l	
77) Bromobenzene	12.605	156	5066	4.415	ug/l	96
78) n-propylbenzene	12.672	91	24395	4.189	ug/l	100
79) 2-Chlorotoluene	12.758	91	13363	4.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	15364	3.941	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	1449	3.772	ug/l	99
82) 4-Chlorotoluene	12.855	91	13805	4.120	ug/l	99
83) tert-Butylbenzene	13.075	119	12857	3.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	14215	3.729	ug/l	100
85) sec-Butylbenzene	13.251	105	20218	3.939	ug/l	99
86) p-Isopropyltoluene	13.367	119	15729	3.749	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	9865	4.457	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	10243	4.535	ug/l	94
89) n-Butylbenzene	13.696	91	14724	3.666	ug/l	98
90) Hexachloroethane	13.959	117	3841	4.396	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	8517	4.257	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	765	4.458	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	4875	3.957	ug/l	97
94) Hexachlorobutadiene	15.117	225	3375	4.492	ug/l	97
95) Naphthalene	15.239	128	8262	3.347	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	4032	3.680	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

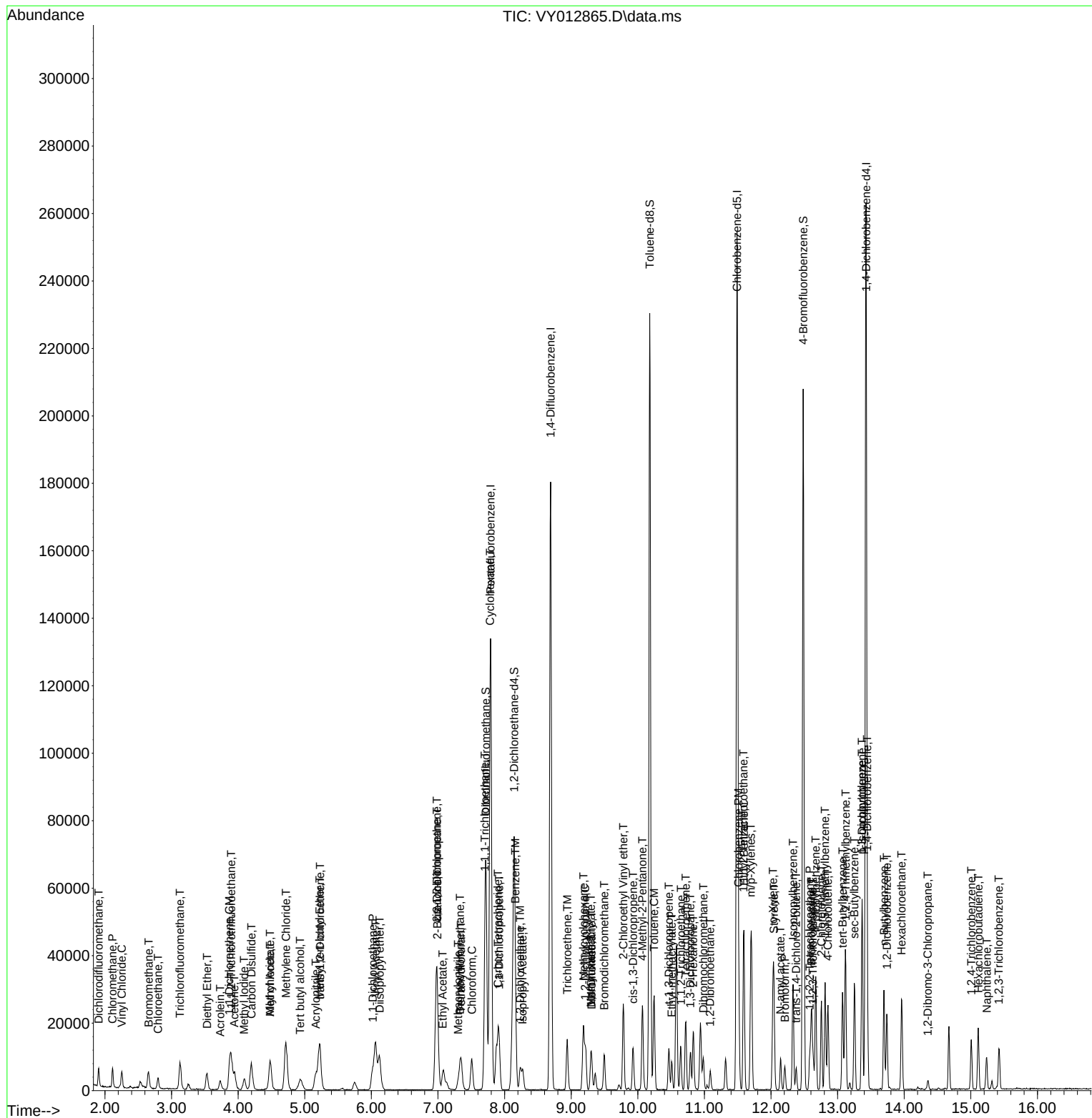
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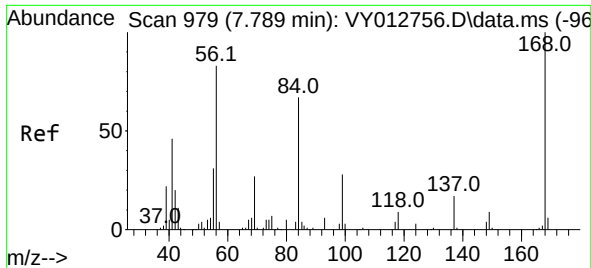
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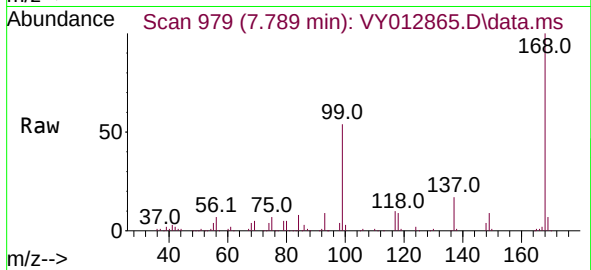
Reviewed By :Krupa Patel 03/09/2023
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
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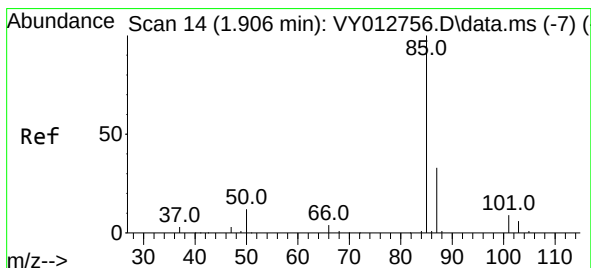
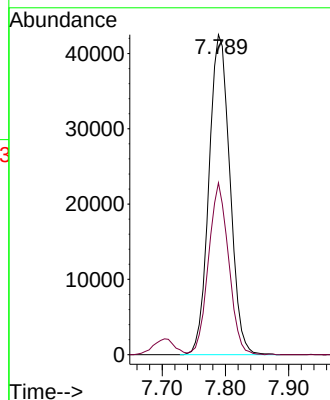
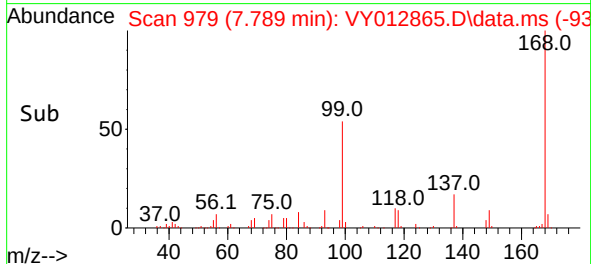
Instrument :
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MDL-SOIL-03-QT1-2022



Tgt Ion:168 Resp: 97689
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5

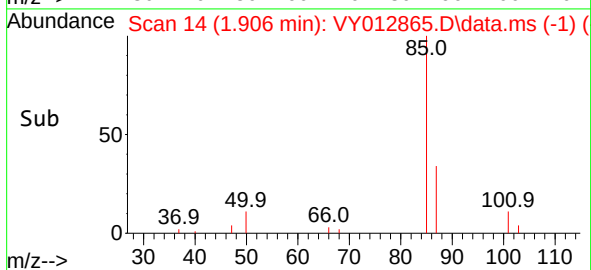
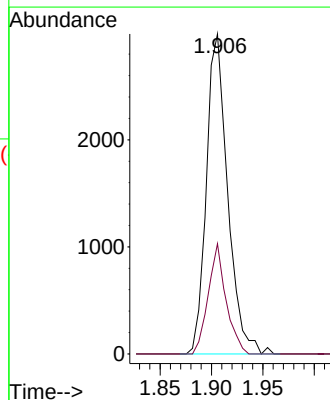
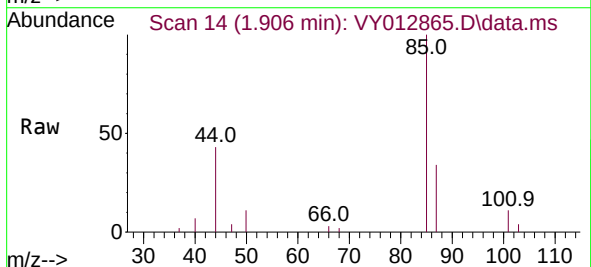
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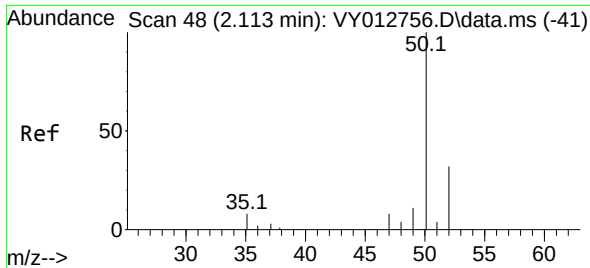
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#2
Dichlorodifluoromethane
Concen: 4.476 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

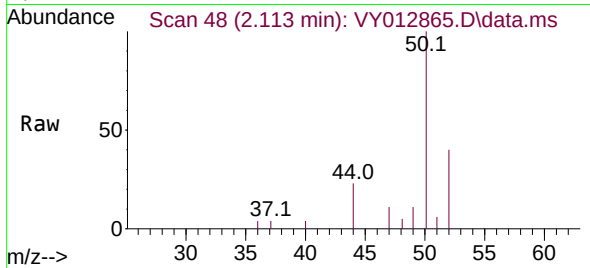
Tgt Ion: 85 Resp: 4310
Ion Ratio Lower Upper
85 100
87 34.5 16.7 50.0





#3
Chloromethane
Concen: 4.192 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

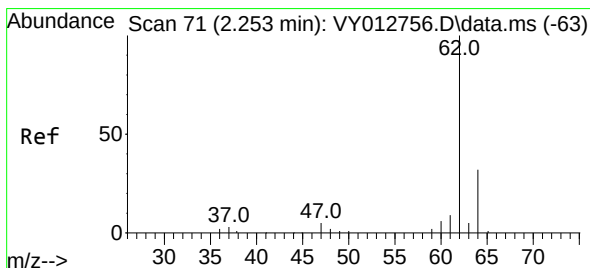
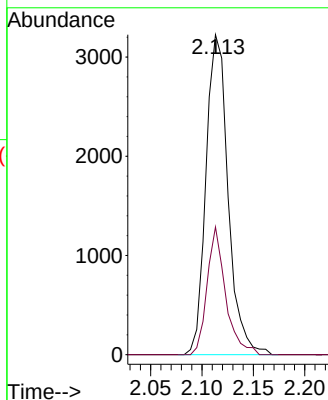
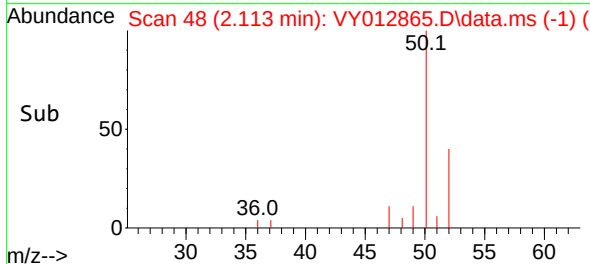
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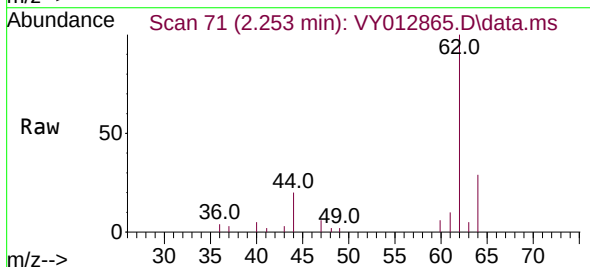
Tgt Ion: 50 Resp: 4820
Ion Ratio Lower Upper
50 100
52 39.9 26.0 39.0

Manual Integrations
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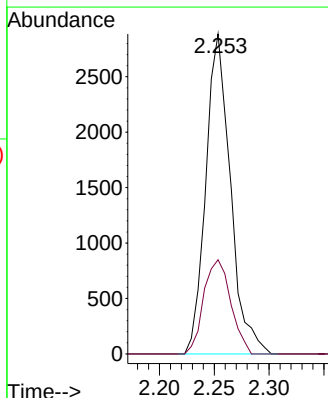
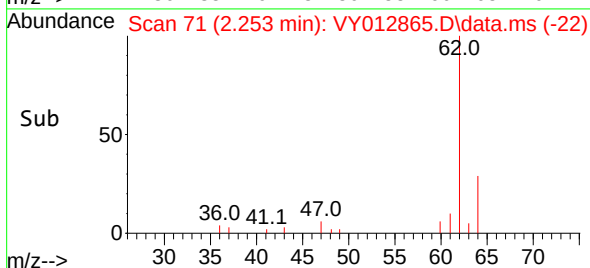
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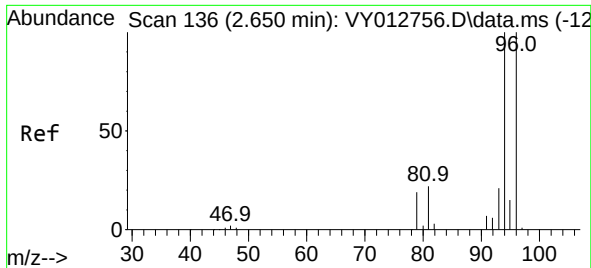


#4
Vinyl Chloride
Concen: 4.276 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



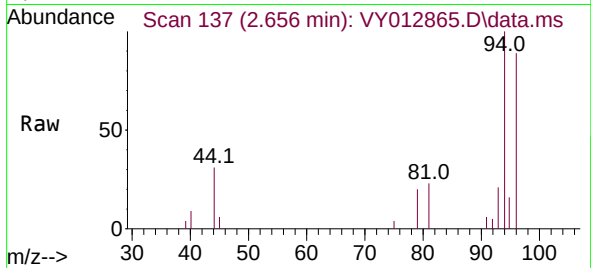
Tgt Ion: 62 Resp: 4514
Ion Ratio Lower Upper
62 100
64 29.5 25.6 38.4





#5
Bromomethane
Concen: 4.984 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012865.D
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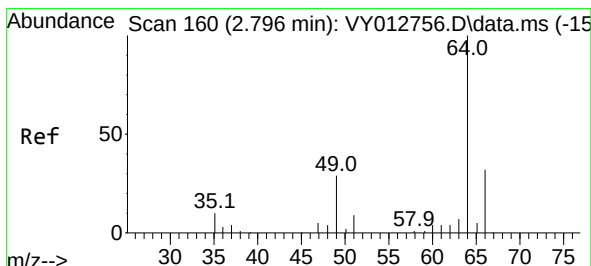
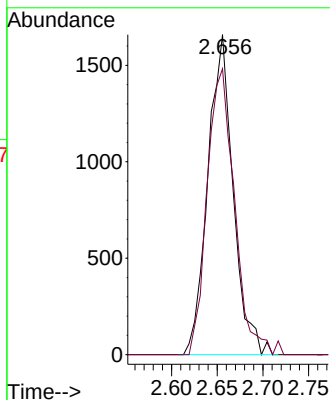
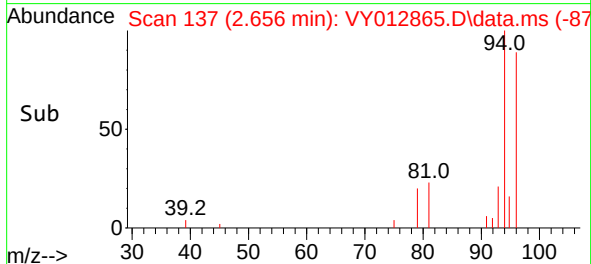
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Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 89.3 80.3 120.5

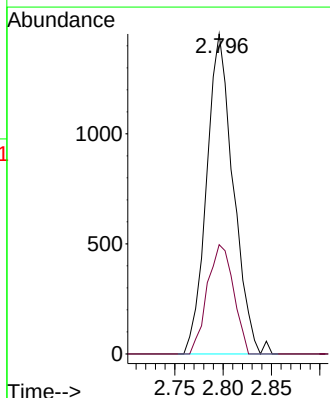
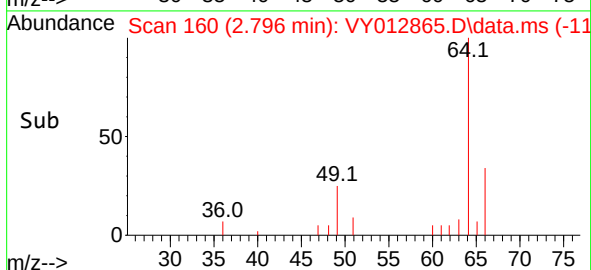
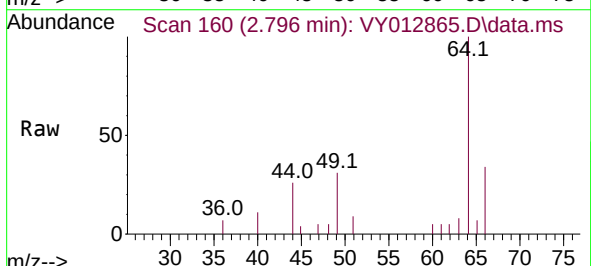
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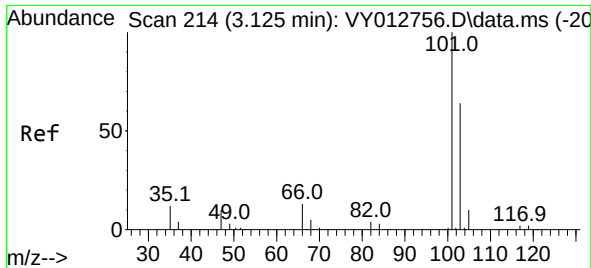
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#6
Chloroethane
Concen: 4.413 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

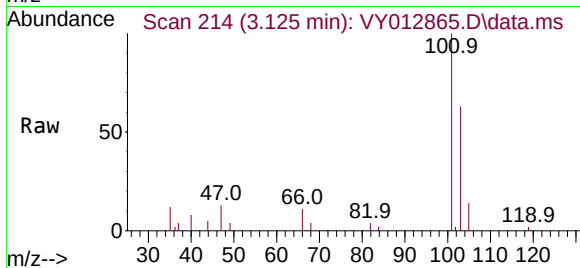
Tgt Ion: 64 Resp: 2790
Ion Ratio Lower Upper
64 100
66 34.1 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 4.692 ug/l
 RT: 3.125 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

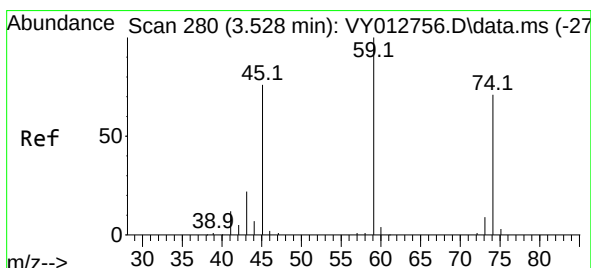
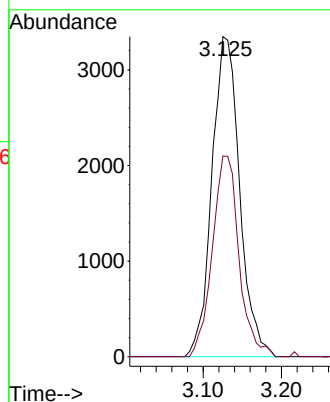
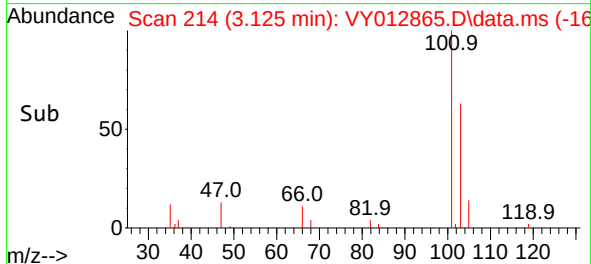
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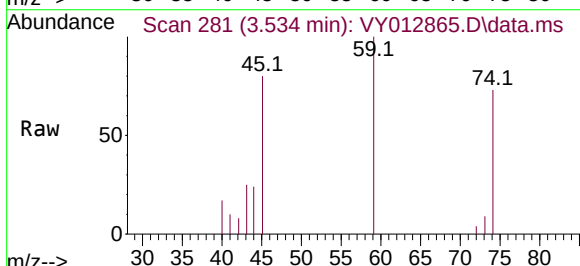
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 Ion Ratio Lower Upper
 101 100
 103 62.7 51.5 77.3

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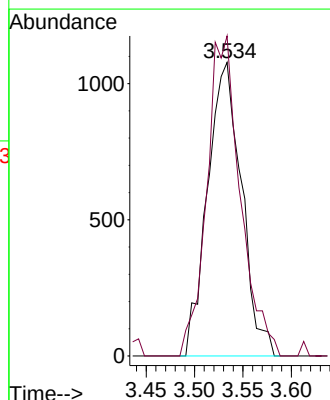
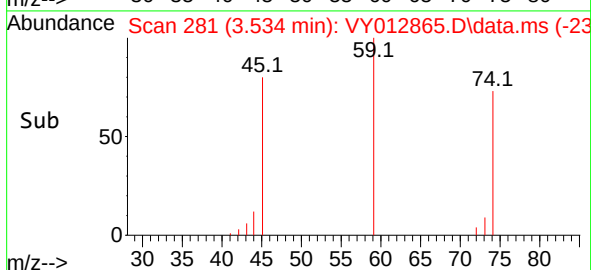
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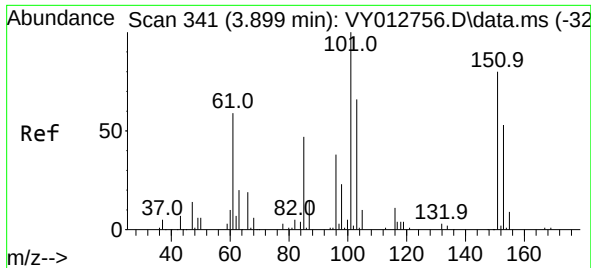


#8
 Diethyl Ether
 Concen: 4.287 ug/l
 RT: 3.534 min Scan# 281
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54



Tgt Ion: 74 Resp: 2634
 Ion Ratio Lower Upper
 74 100
 45 107.6 52.1 156.4





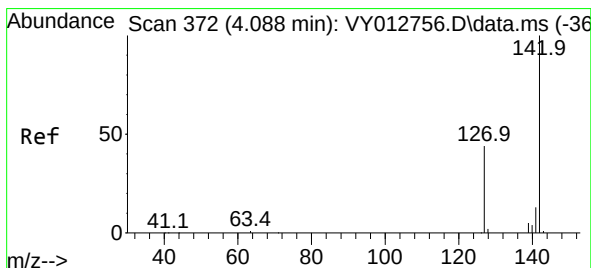
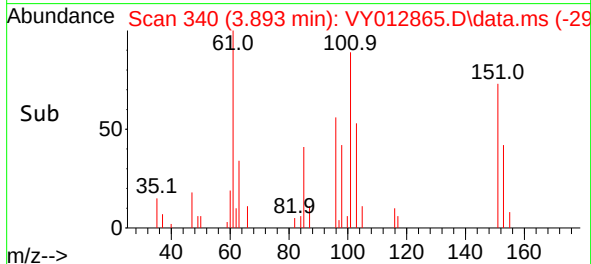
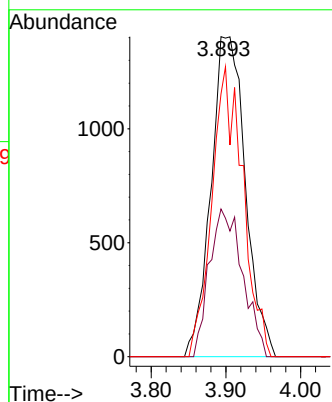
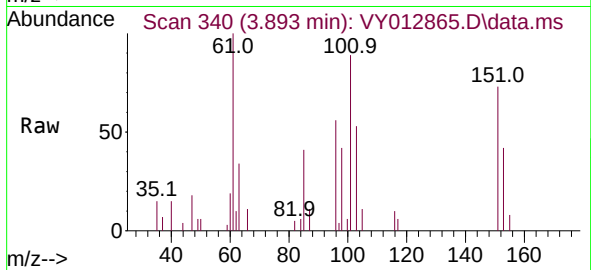
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.263 ug/l
RT: 3.893 min Scan# 341
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:101 Resp: 4490
Ion Ratio Lower Upper
101 100
85 44.7 35.3 52.9
151 81.6 63.1 94.7

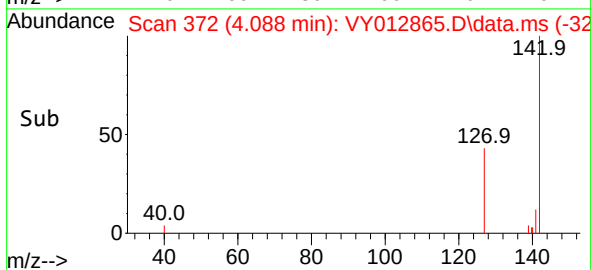
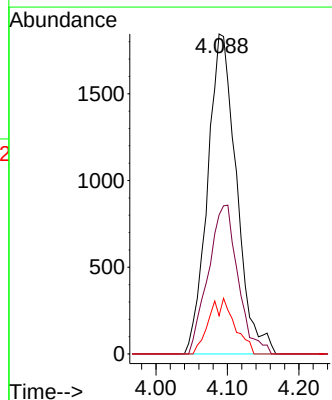
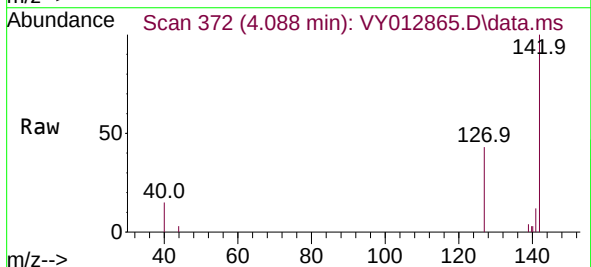
Manual Integrations
APPROVED

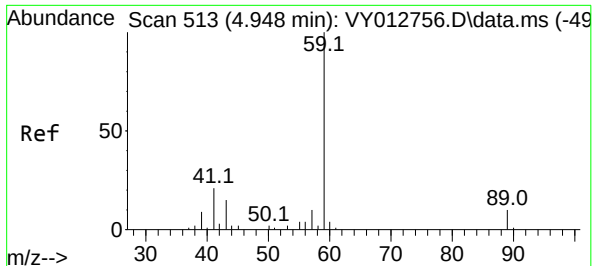
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#10
Methyl Iodide
Concen: 3.768 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

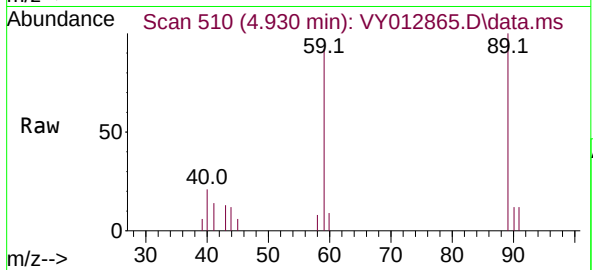
Tgt Ion:142 Resp: 5178
Ion Ratio Lower Upper
142 100
127 48.0 35.4 53.2
141 7.3 11.3 16.9#





#11
Tert butyl alcohol
Concen: 23.165 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

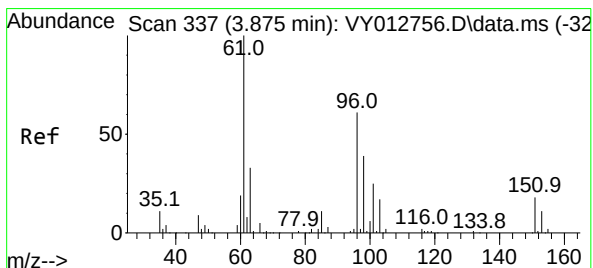
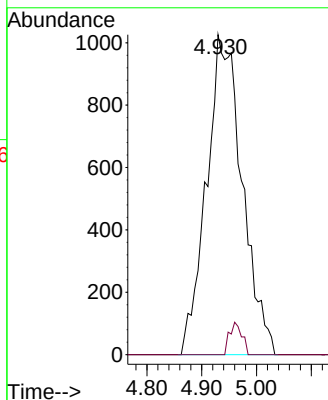
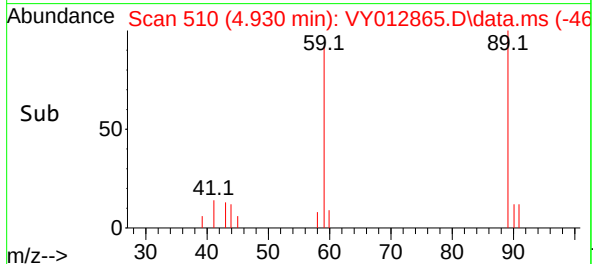
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



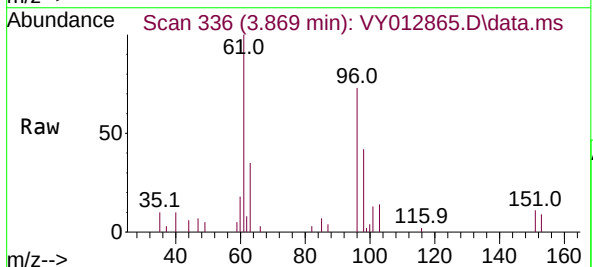
Tgt Ion: 59 Resp: 4624
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5

Manual Integrations
APPROVED

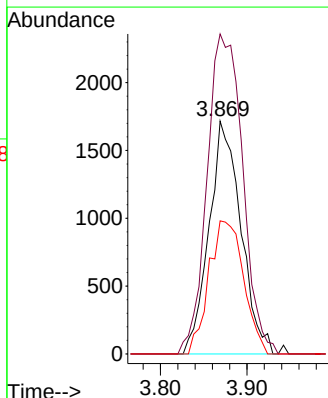
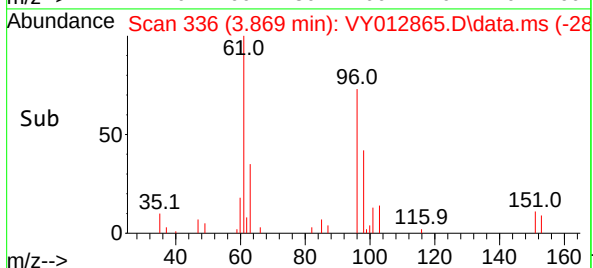
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

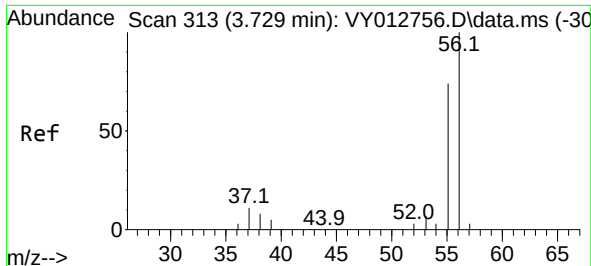


#12
1,1-Dichloroethene
Concen: 4.362 ug/l
RT: 3.869 min Scan# 336
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



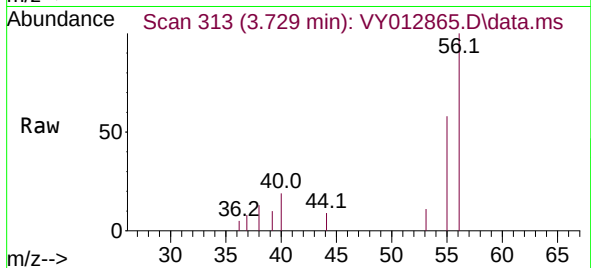
Tgt Ion: 96 Resp: 4388
Ion Ratio Lower Upper
96 100
61 137.5 131.7 197.5
98 57.2 52.0 78.0





#13
Acrolein
Concen: 18.584 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

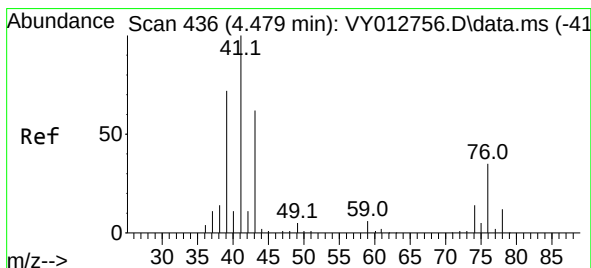
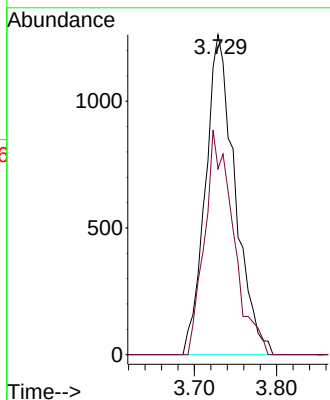
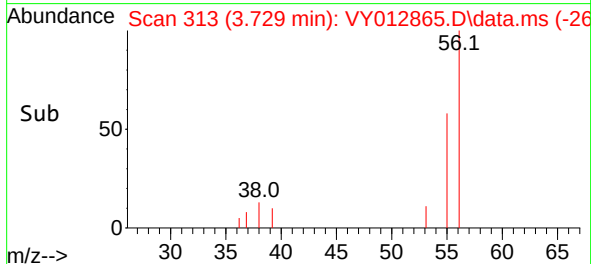
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



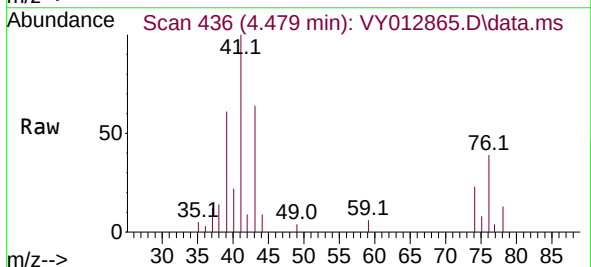
Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
55 68.1 56.8 85.2

Manual Integrations
APPROVED

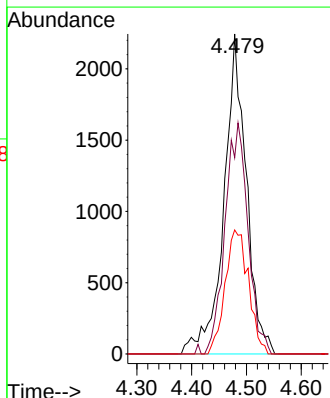
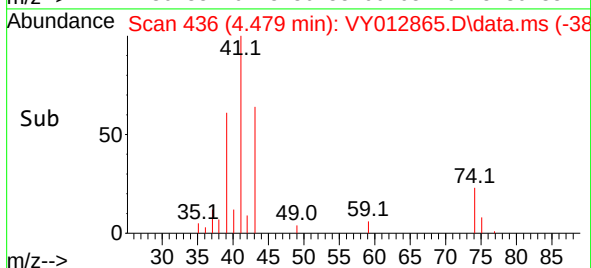
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

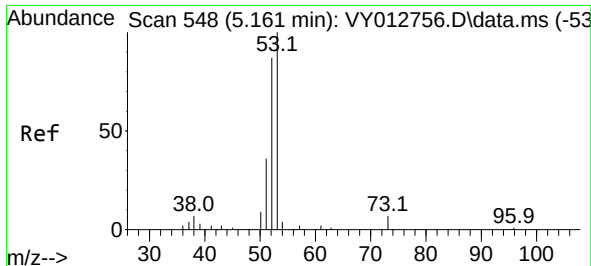


#14
Allyl chloride
Concen: 3.430 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



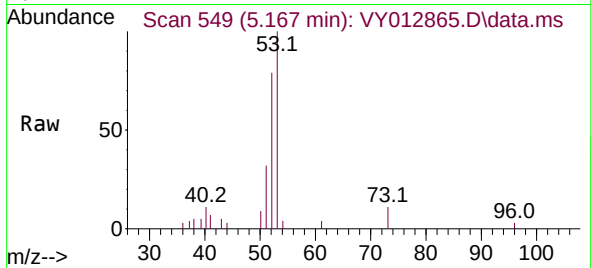
Tgt Ion: 41 Resp: 6373
Ion Ratio Lower Upper
41 100
39 73.9 53.6 80.4
76 40.4 27.2 40.8





#15
Acrylonitrile
Concen: 18.788 ug/l
RT: 5.167 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

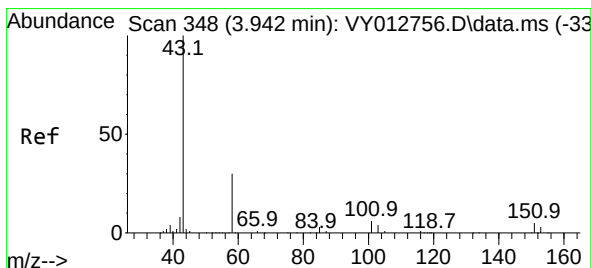
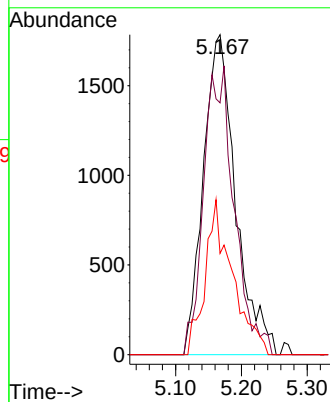
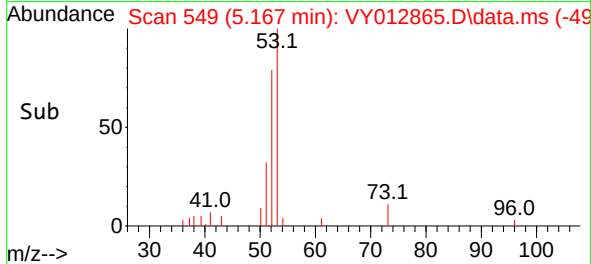
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 53 Resp: 6082
Ion Ratio Lower Upper
53 100
52 85.4 66.3 99.5
51 41.0 28.8 43.2

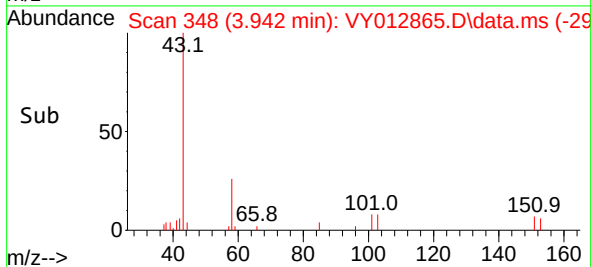
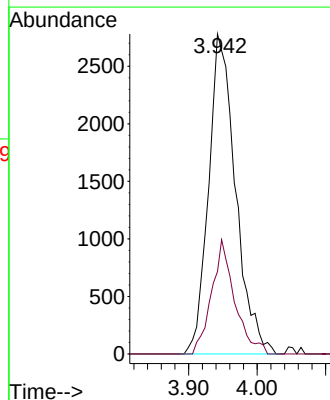
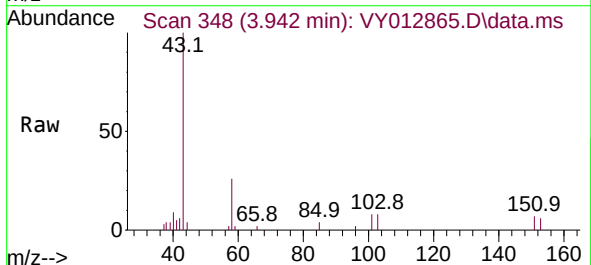
Manual Integrations
APPROVED

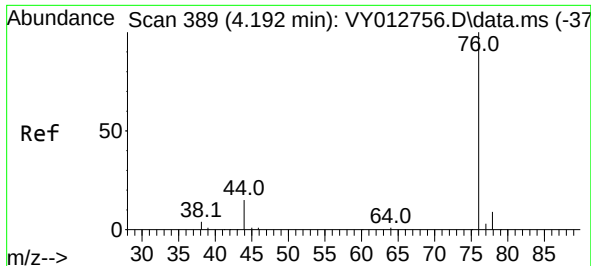
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#16
Acetone
Concen: 19.997 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
58 25.8 24.2 36.2





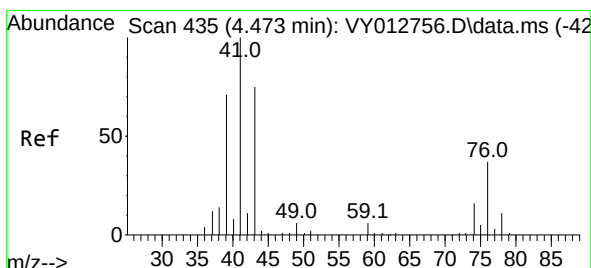
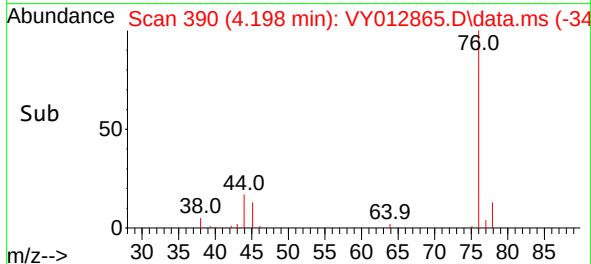
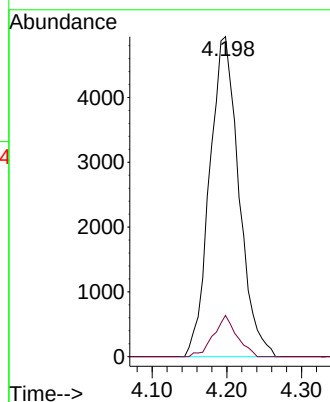
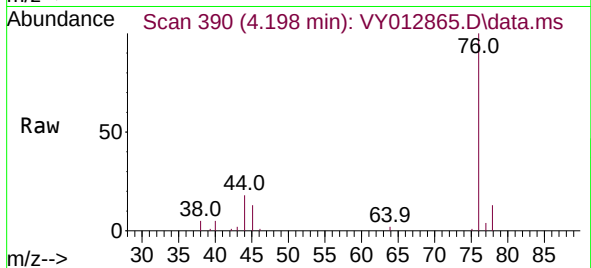
#17
Carbon Disulfide
Concen: 3.928 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 76 Resp: 13449
Ion Ratio Lower Upper
76 100
78 12.9 7.1 10.7

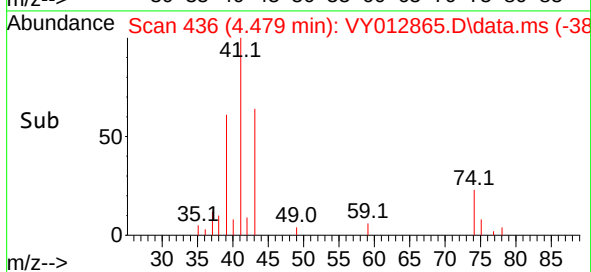
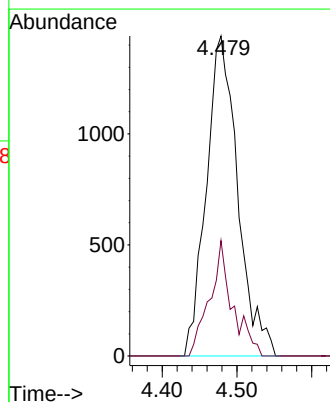
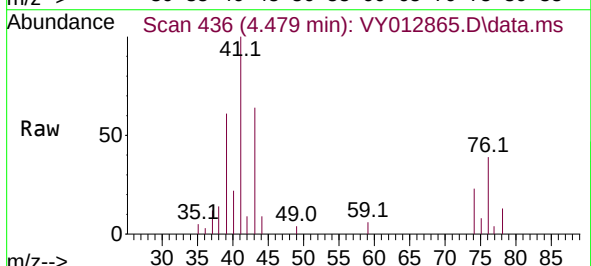
Manual Integrations
APPROVED

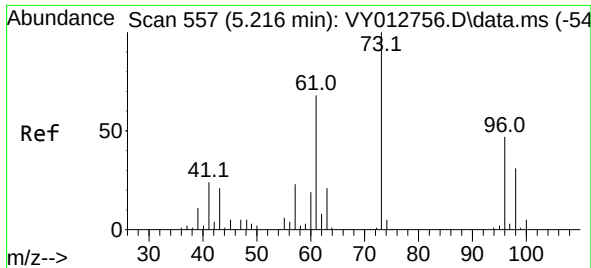
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#18
Methyl Acetate
Concen: 3.719 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

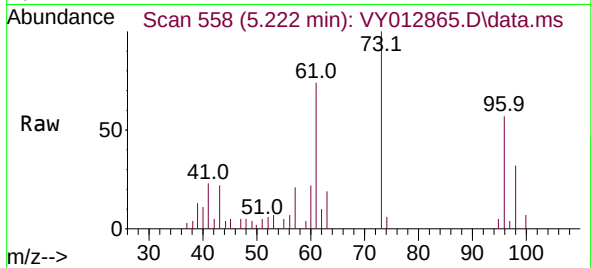
Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
74 26.3 17.4 26.0





#19
Methyl tert-butyl Ether
Concen: 3.807 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

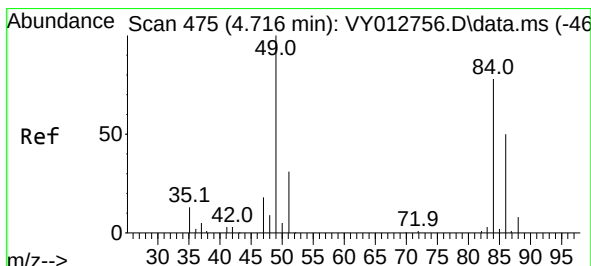
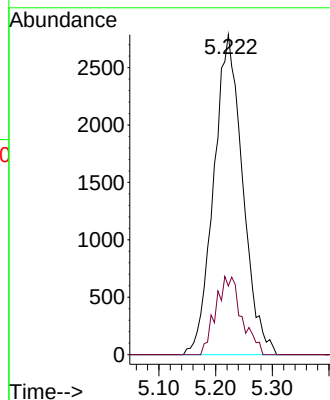
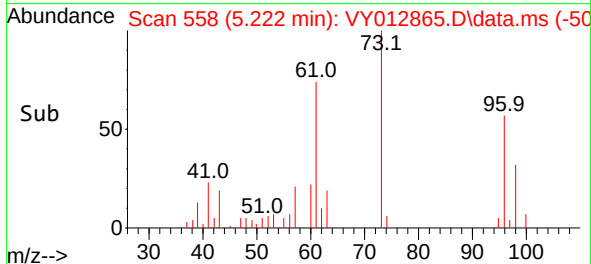
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 73 Resp: 989
Ion Ratio Lower Upper
73 100
57 21.5 18.3 27.5

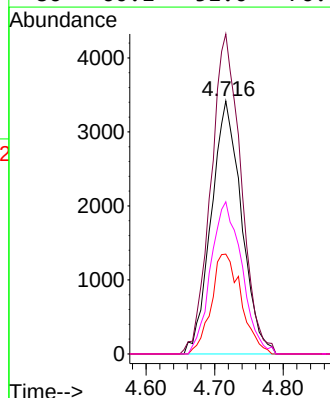
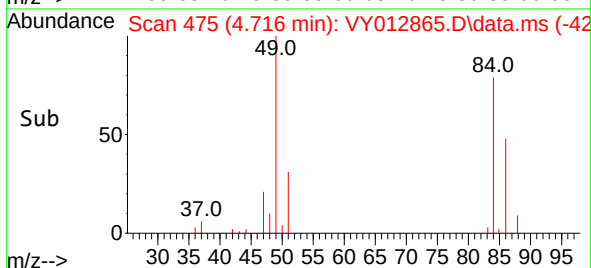
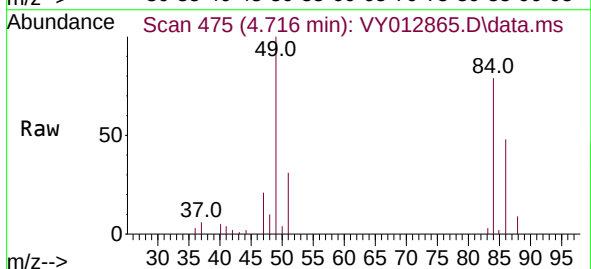
Manual Integrations
APPROVED

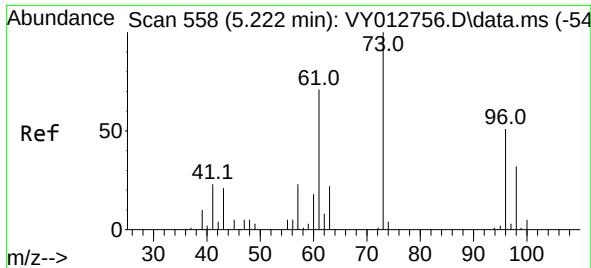
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#20
Methylene Chloride
Concen: 4.091 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

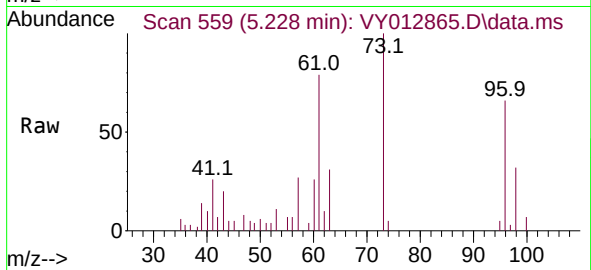
Tgt Ion: 84 Resp: 10484
Ion Ratio Lower Upper
84 100
49 126.5 102.6 154.0
51 39.5 31.9 47.9
86 60.1 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 4.447 ug/l
RT: 5.228 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

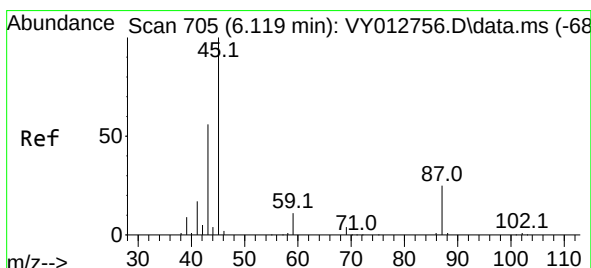
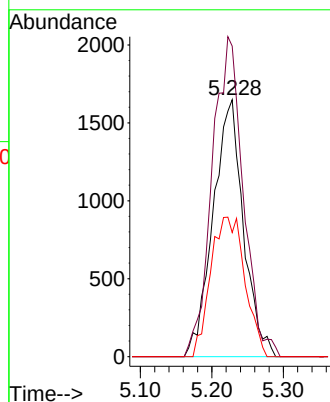
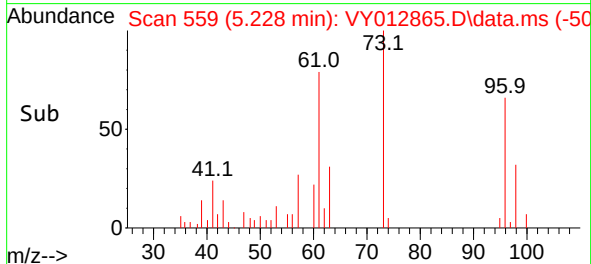
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 96 Resp: 486
Ion Ratio Lower Upper
96 100
61 120.8 111.4 167.0
98 48.3 50.8 76.2

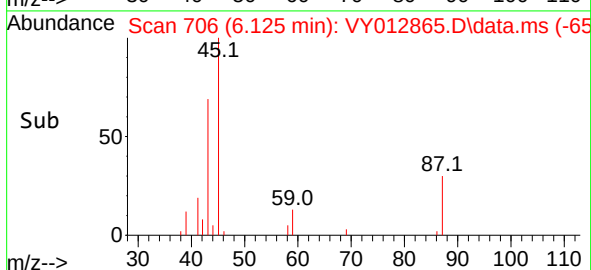
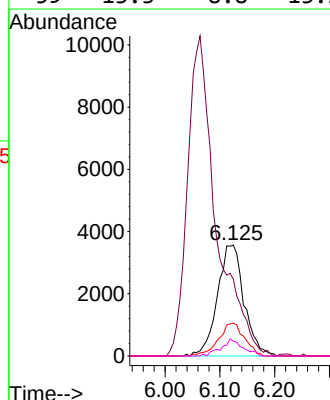
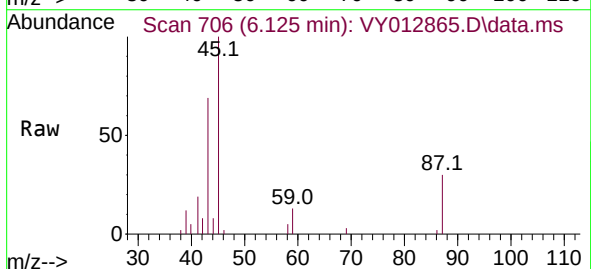
Manual Integrations
APPROVED

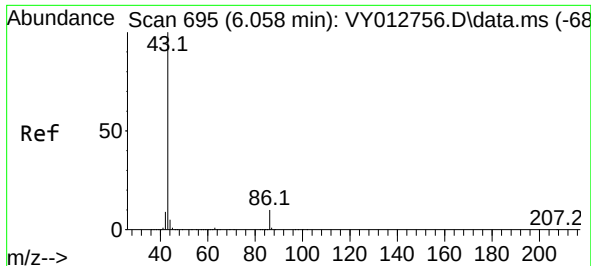
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#22
Diisopropyl ether
Concen: 3.555 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

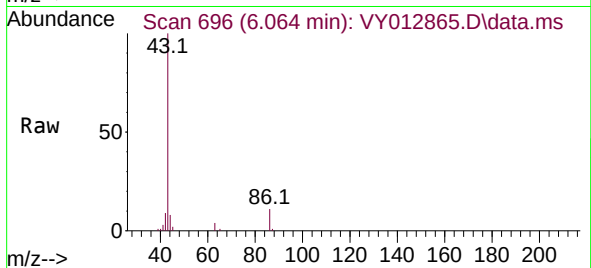
Tgt Ion: 45 Resp: 12000
Ion Ratio Lower Upper
45 100
43 67.7 45.0 67.6#
87 29.6 20.3 30.5
59 13.3 8.8 13.2#





#23
 Vinyl Acetate
 Concen: 17.808 ug/l
 RT: 6.064 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

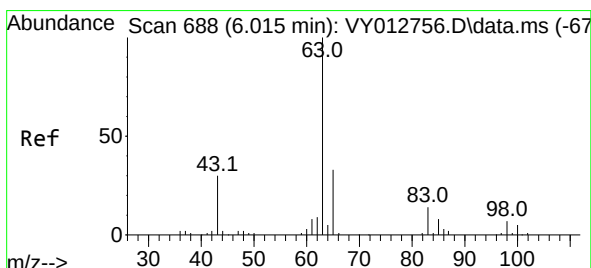
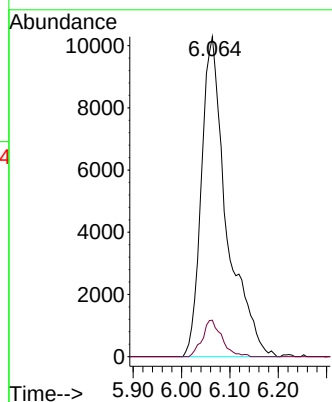
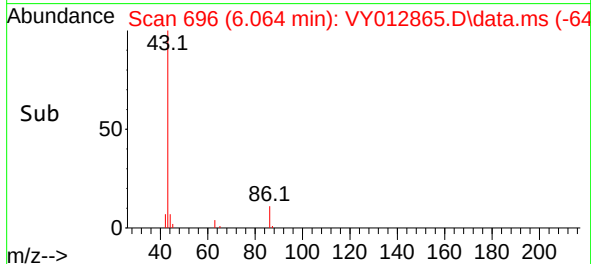
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



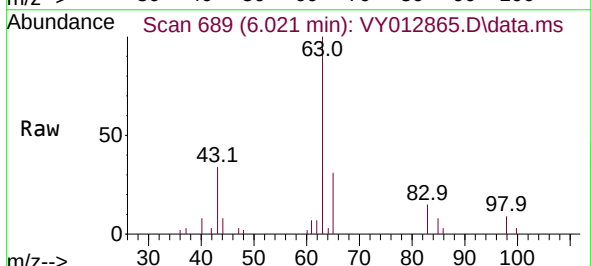
Tgt Ion: 43 Resp: 3734
 Ion Ratio Lower Upper
 43 100
 86 11.4 7.8 11.8

Manual Integrations
 APPROVED

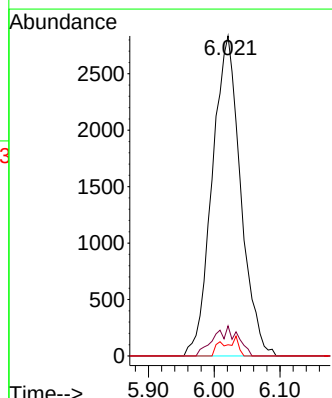
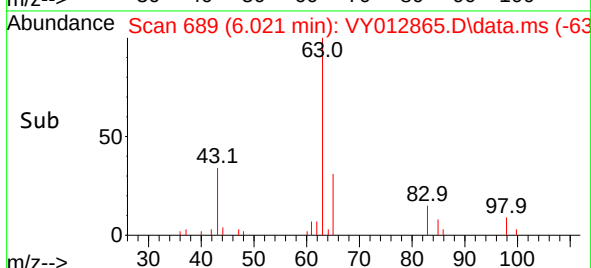
Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

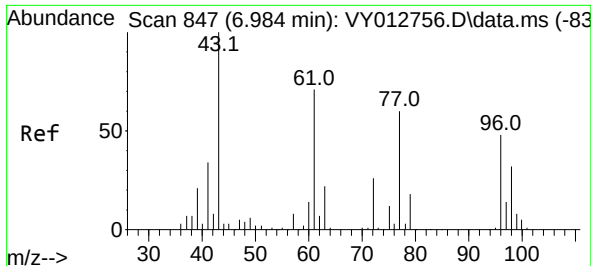


#24
 1,1-Dichloroethane
 Concen: 4.432 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54



Tgt Ion: 63 Resp: 8523
 Ion Ratio Lower Upper
 63 100
 98 9.4 3.7 11.1
 100 3.5 2.3 6.8





#25

2-Butanone

Concen: 19.914 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 9390

Ion Ratio Lower Upper

43 100

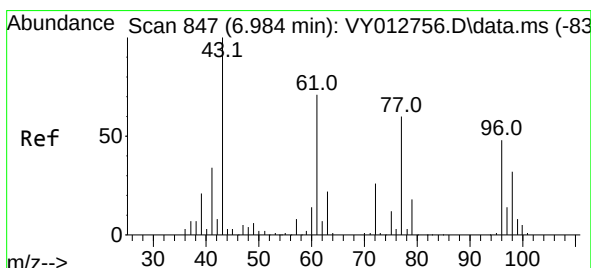
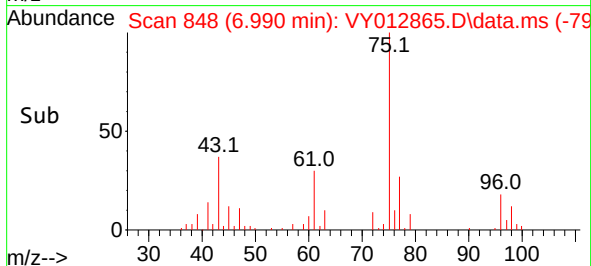
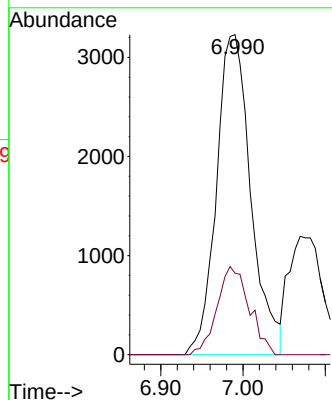
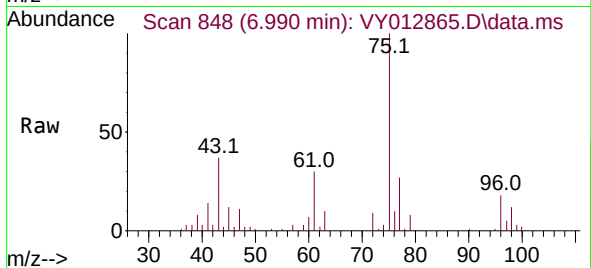
72 25.5 21.0 31.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#26

2,2-Dichloropropane

Concen: 4.977 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012865.D

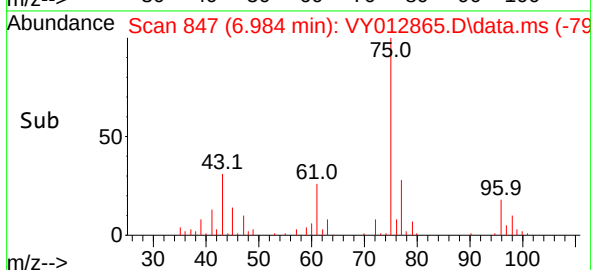
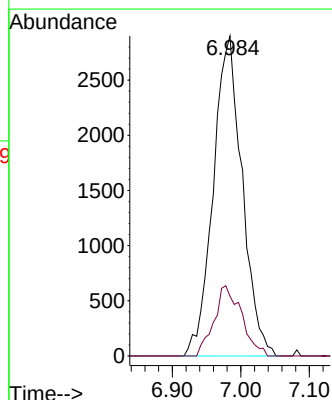
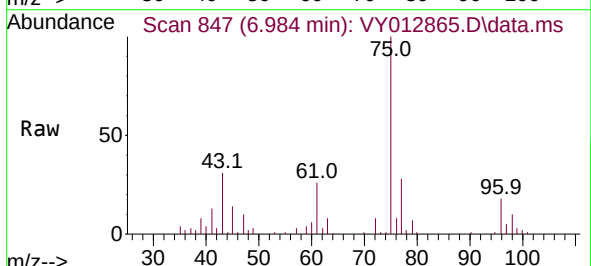
Acq: 08 Mar 2023 12:54

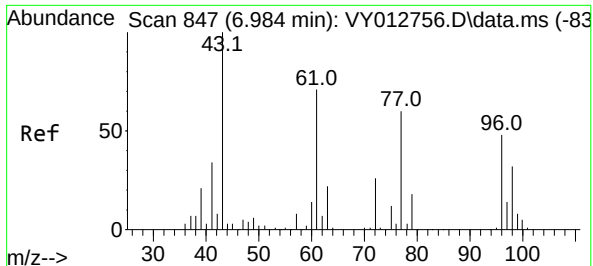
Tgt Ion: 77 Resp: 8501

Ion Ratio Lower Upper

77 100

97 20.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 4.317 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

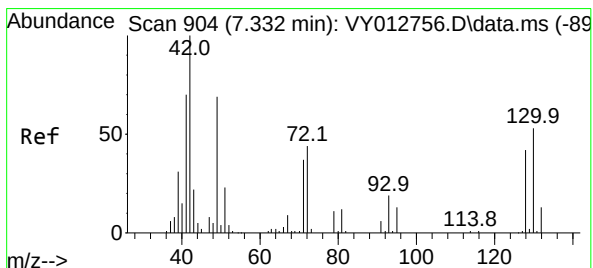
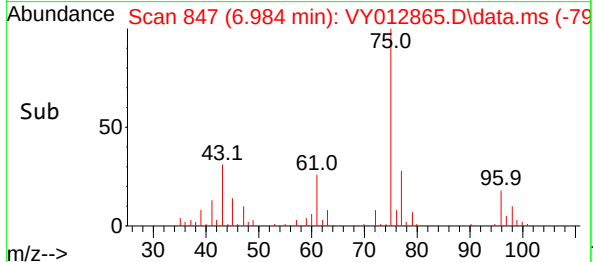
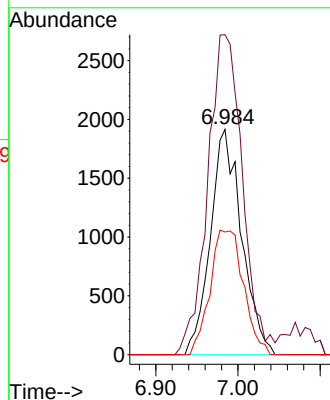
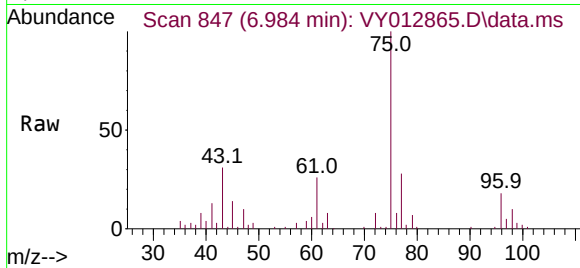
Tgt Ion: 96	Resp: 5060
Ion Ratio	Lower Upper
96 100	
61 158.2	0.0 295.8
98 59.2	0.0 130.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#28

Bromochloromethane

Concen: 3.352 ug/l

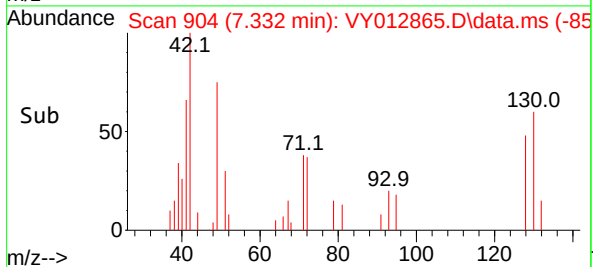
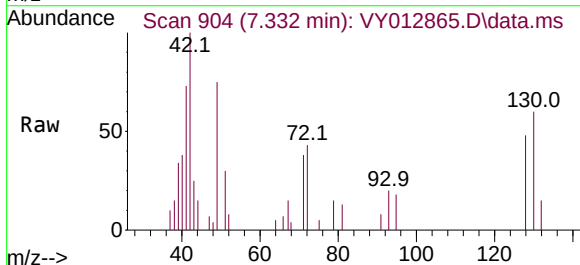
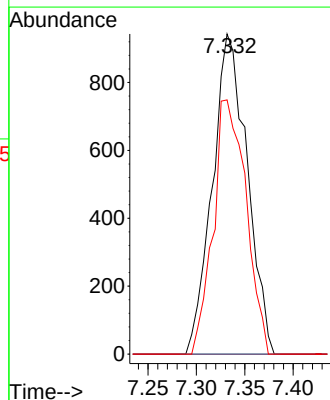
RT: 7.332 min Scan# 904

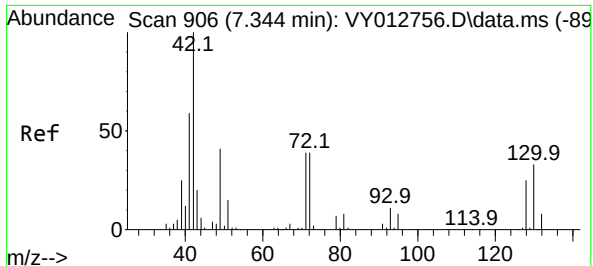
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion: 49	Resp: 2356
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.2
130 74.9	60.5 90.7





#29

Tetrahydrofuran

Concen: 17.915 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

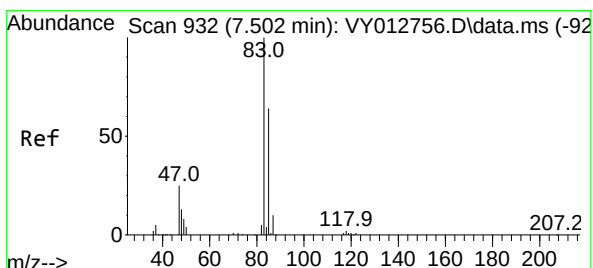
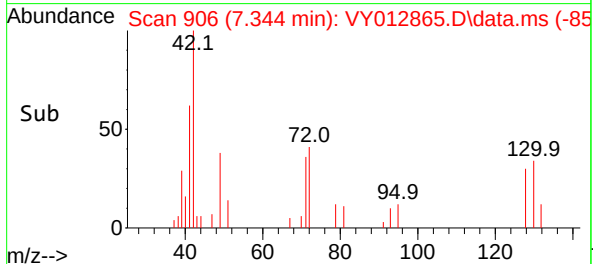
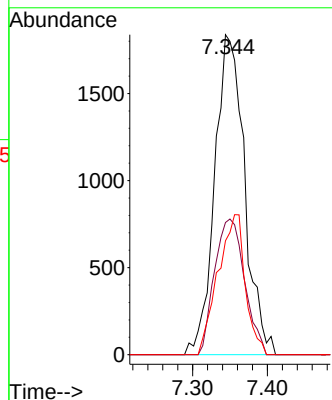
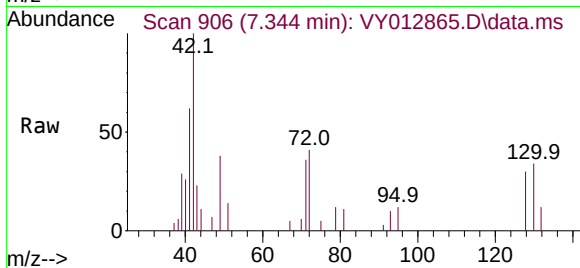
Tgt Ion: 42	Resp: 509
Ion Ratio	Lower Upper
42	100
72	42.8 32.3 48.5
71	40.0 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#30

Chloroform

Concen: 4.660 ug/l

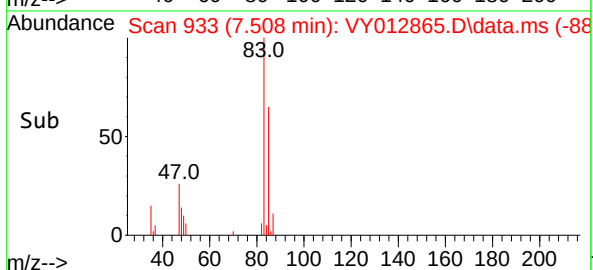
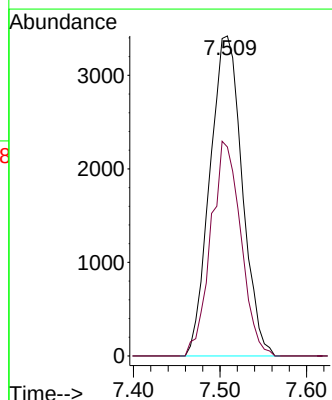
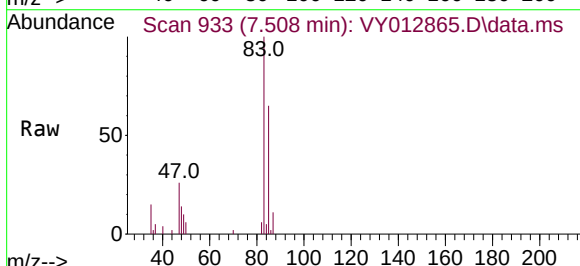
RT: 7.508 min Scan# 933

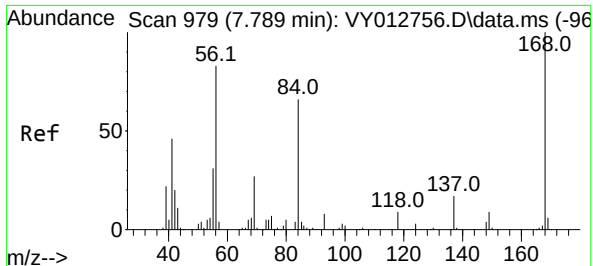
Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

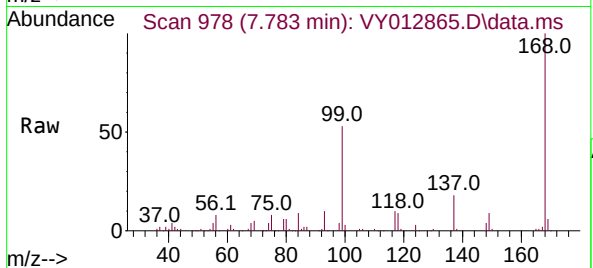
Tgt Ion: 83	Resp: 8852
Ion Ratio	Lower Upper
83	100
85	65.3 51.4 77.0





#31
Cyclohexane
Concen: 4.478 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

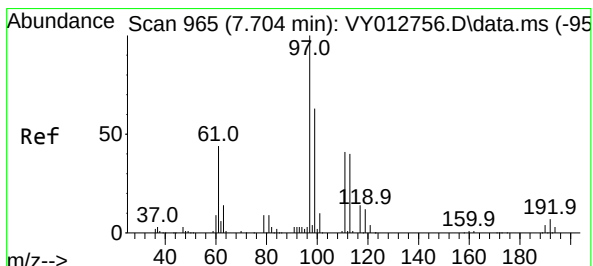
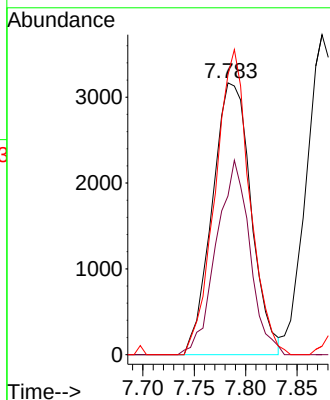
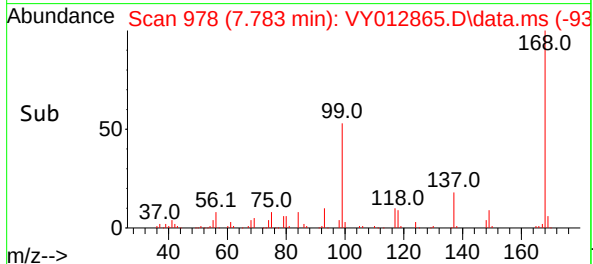
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



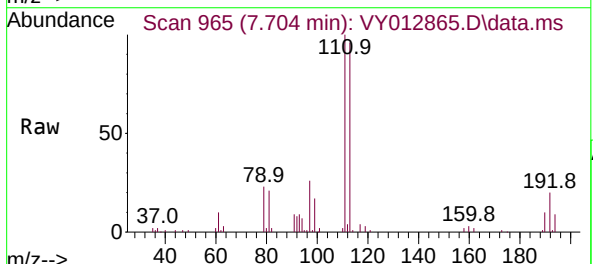
Tgt Ion: 56 Resp: 8318
Ion Ratio Lower Upper
56 100
69 58.4 25.7 38.5
84 102.9 64.3 96.5

Manual Integrations
APPROVED

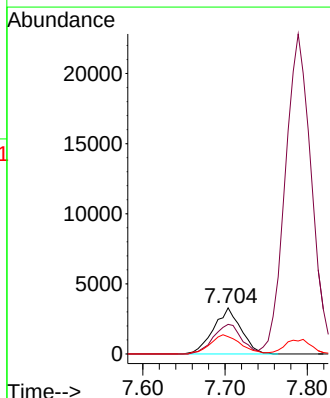
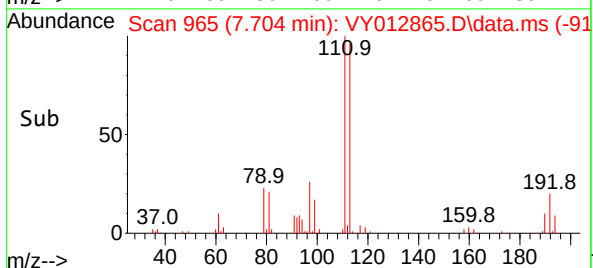
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

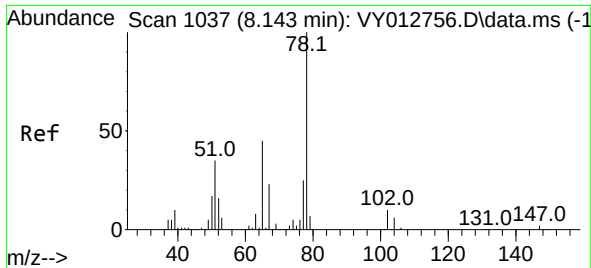


#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



Tgt Ion: 97 Resp: 7582
Ion Ratio Lower Upper
97 100
99 66.0 51.0 76.6
61 45.2 34.5 51.7





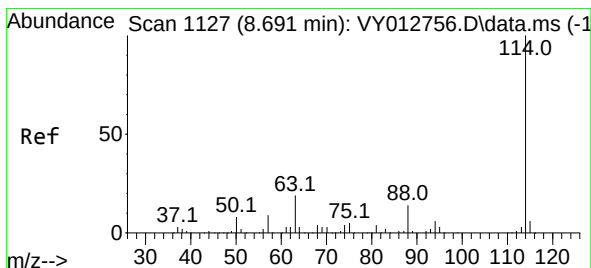
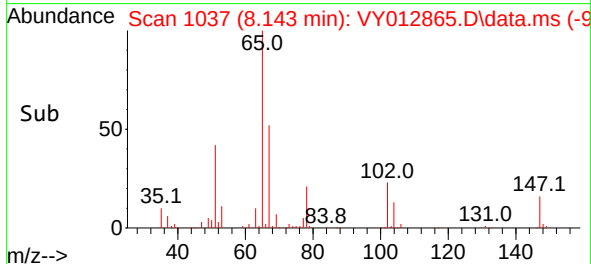
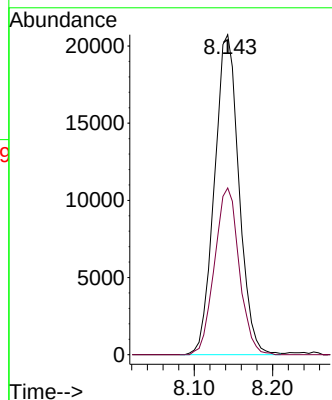
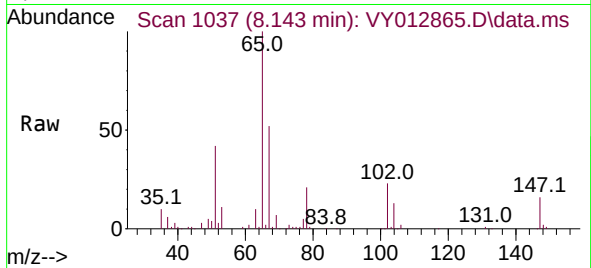
#33
1,2-Dichloroethane-d4
Concen: 46.489 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 65 Resp: 4509
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

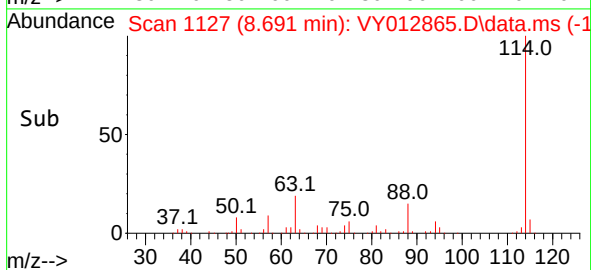
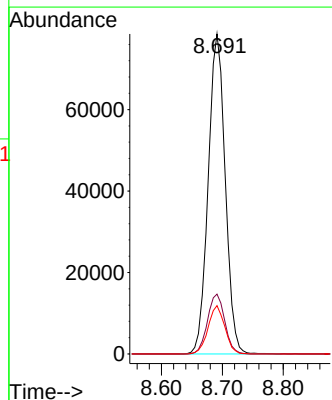
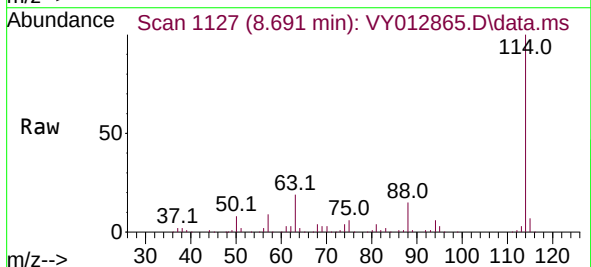
Manual Integrations
APPROVED

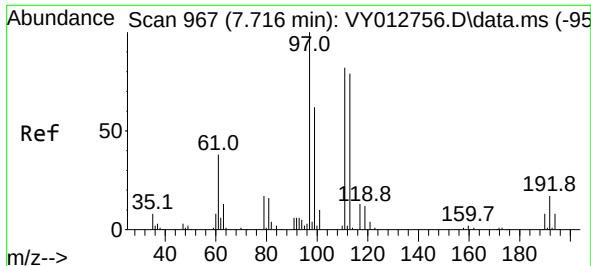
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

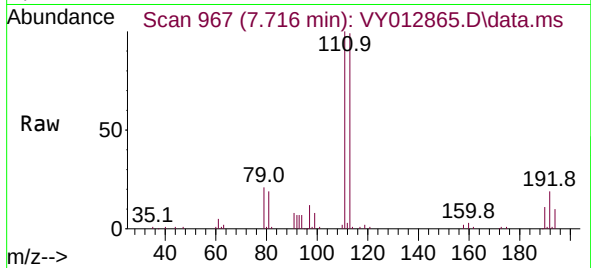
Tgt Ion:114 Resp: 152608
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.4
88 15.1 0.0 28.6





#35
Dibromofluoromethane
Concen: 48.167 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

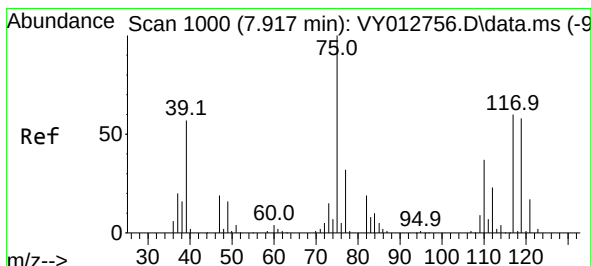
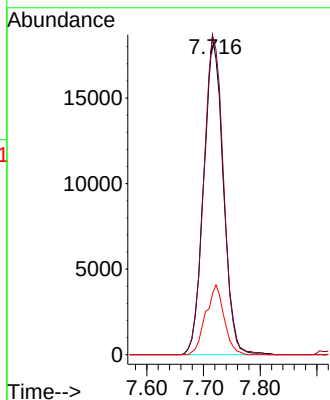
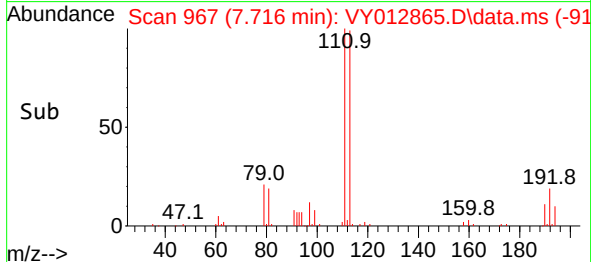
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



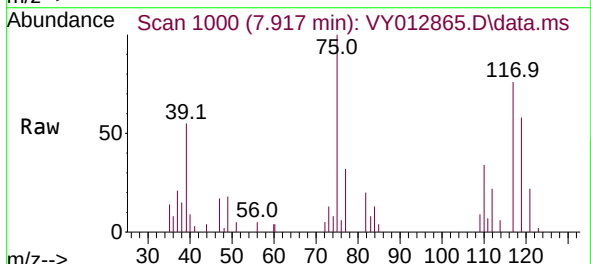
Tgt Ion:113 Resp: 4436
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 20.7 16.8 25.2

Manual Integrations
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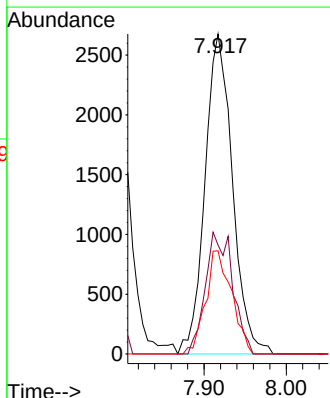
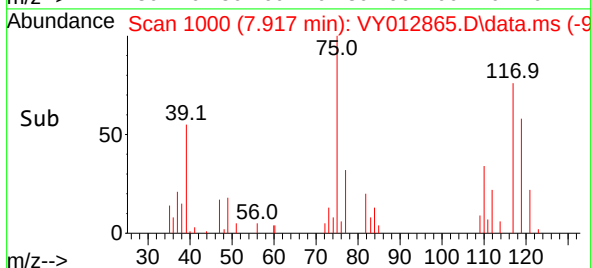
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

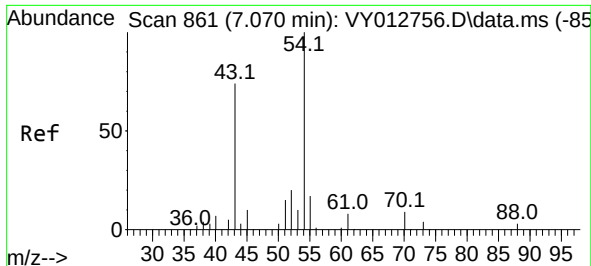


#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



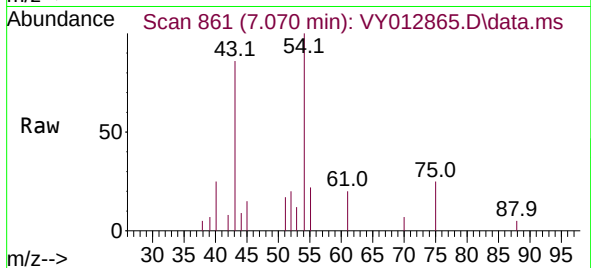
Tgt Ion: 75 Resp: 6219
Ion Ratio Lower Upper
75 100
110 37.7 17.8 53.3
77 30.6 25.0 37.4





#37
Ethyl Acetate
Concen: 3.112 ug/l
RT: 7.070 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

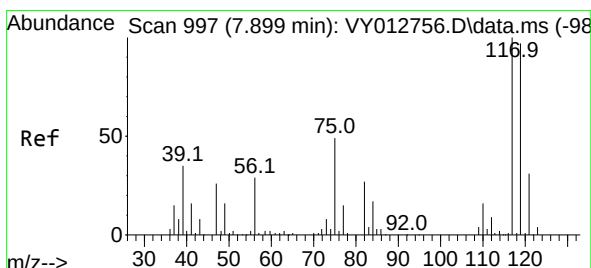
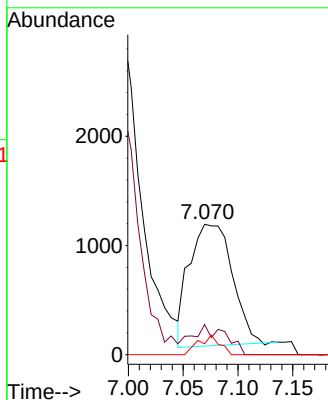
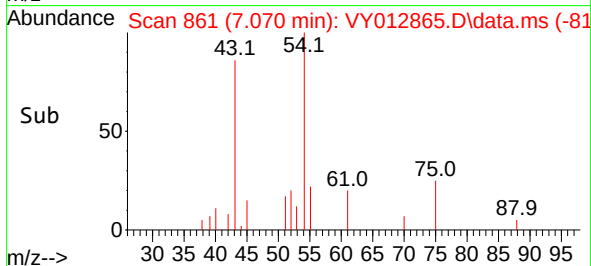
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
61 19.5 10.7 16.1
70 7.9 7.8 11.8

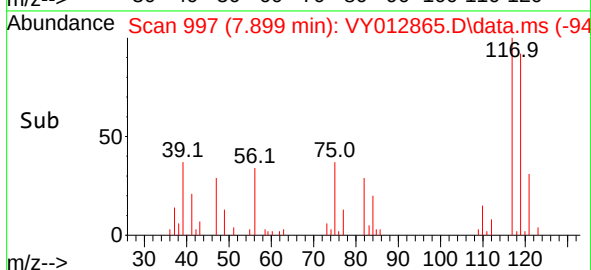
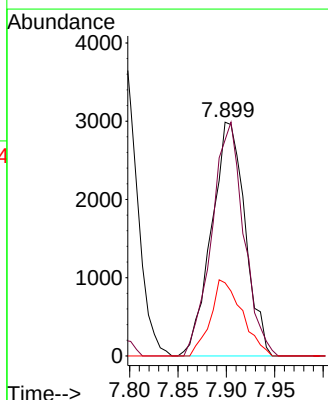
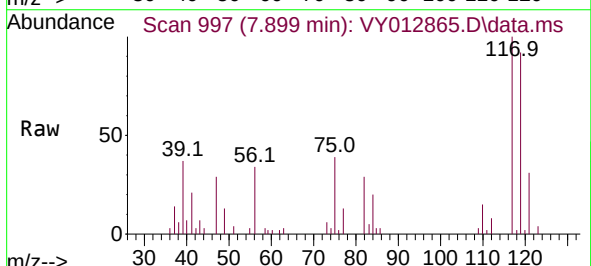
Manual Integrations
APPROVED

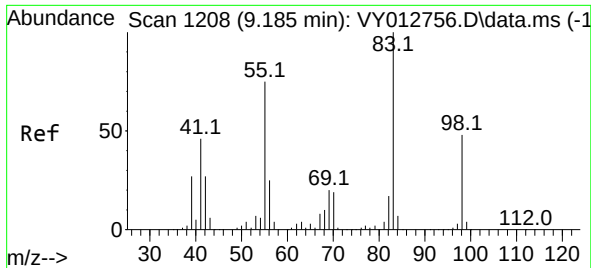
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#38
Carbon Tetrachloride
Concen: 4.528 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:117 Resp: 7217
Ion Ratio Lower Upper
117 100
119 92.4 77.2 115.8
121 31.3 24.7 37.1





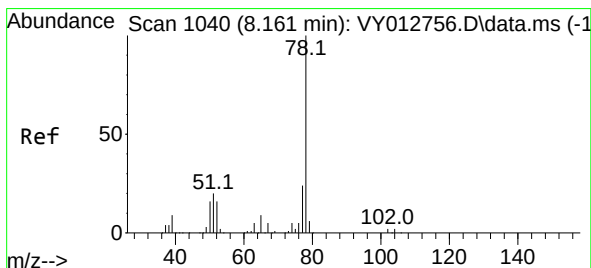
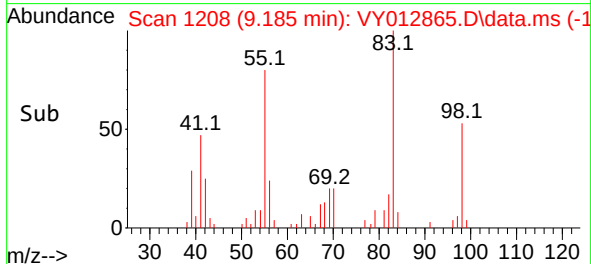
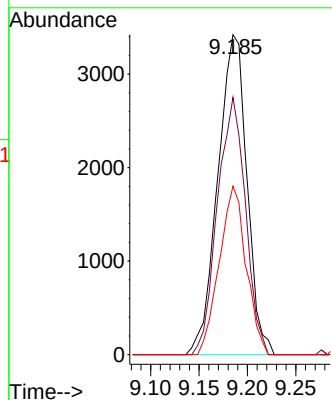
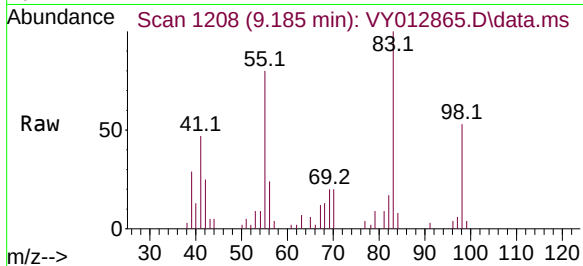
#39
Methylcyclohexane
Concen: 3.900 ug/l
RT: 9.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 83 Resp: 7150
Ion Ratio Lower Upper
83 100
55 80.4 60.0 90.0
98 52.6 38.3 57.5

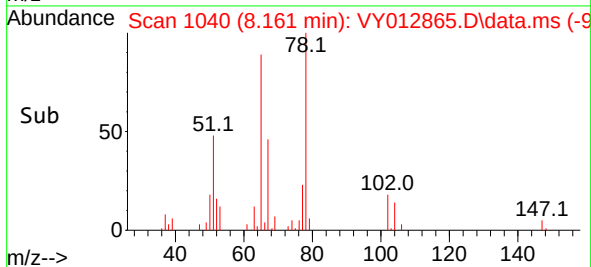
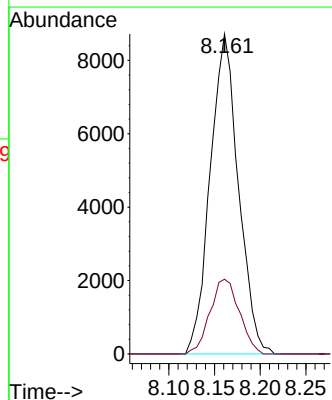
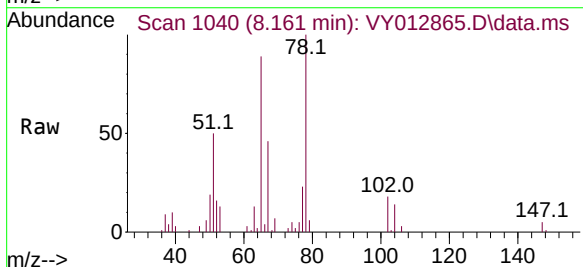
Manual Integrations
APPROVED

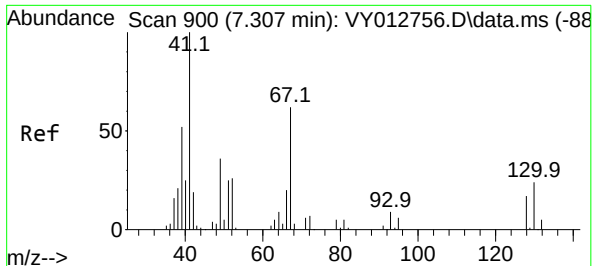
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#40
Benzene
Concen: 4.291 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

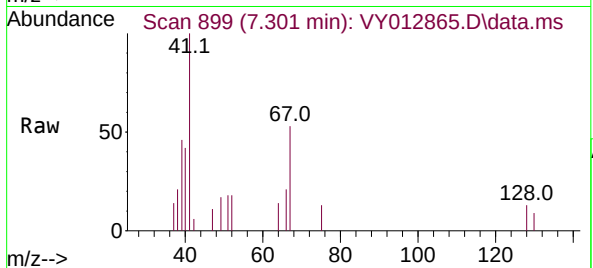
Tgt Ion: 78 Resp: 18735
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





#41
Methacrylonitrile
Concen: 2.383 ug/l m
RT: 7.301 min Scan# 899
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

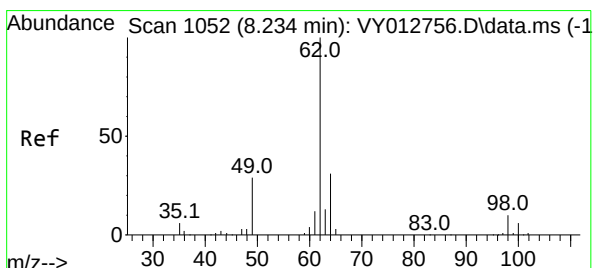
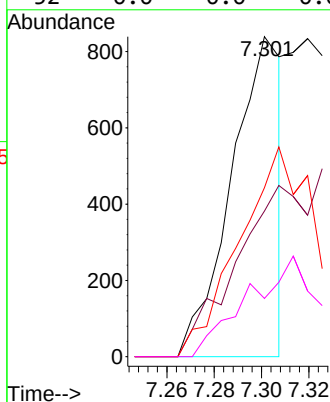
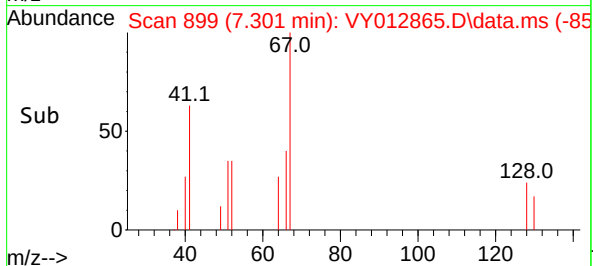
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:	41	Resp:	1249
Ion Ratio	100	Lower	Upper
41	100		
39	141.4	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

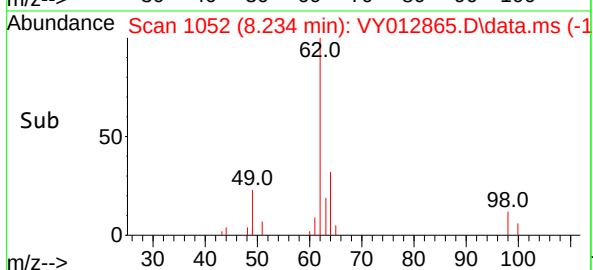
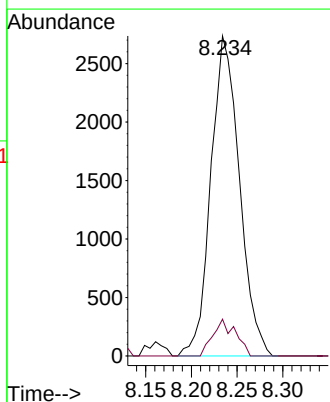
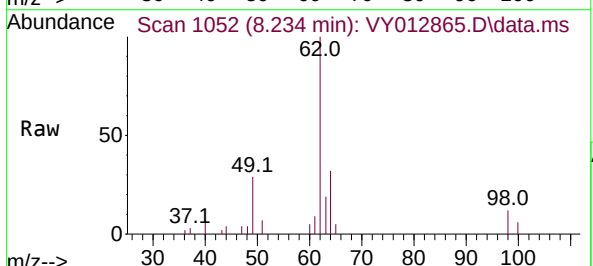
Manual Integrations
APPROVED

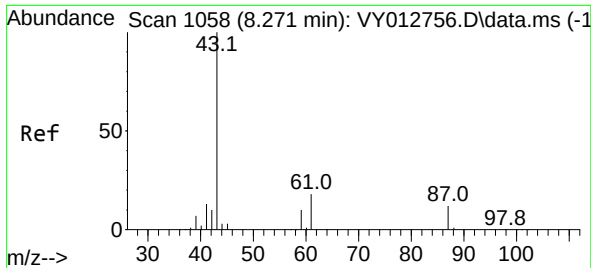
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#42
1,2-Dichloroethane
Concen: 4.542 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:	62	Resp:	5961
Ion Ratio	100	Lower	Upper
62	100		
98	9.1	0.0	18.8





#43

Isopropyl Acetate

Concen: 3.835 ug/l

RT: 8.271 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

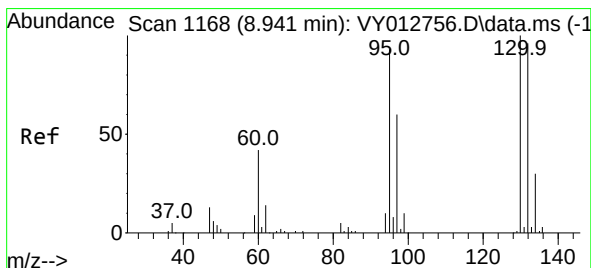
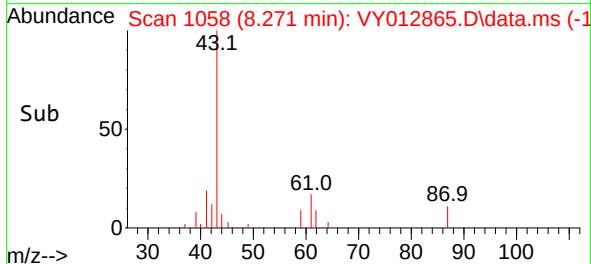
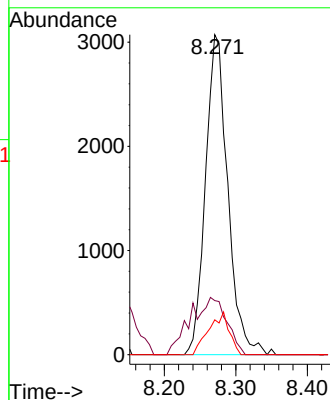
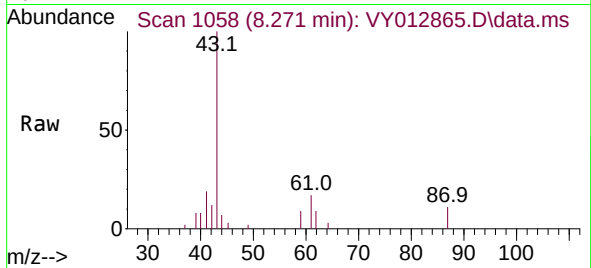
Tgt Ion: 43	Resp: 665
Ion Ratio	Lower Upper
43 100	
61 29.2	21.6 32.4
87 12.2	9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#44

Trichloroethene

Concen: 4.389 ug/l

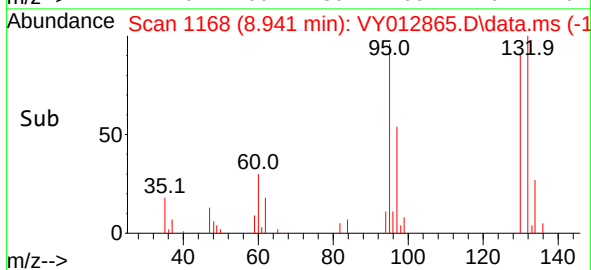
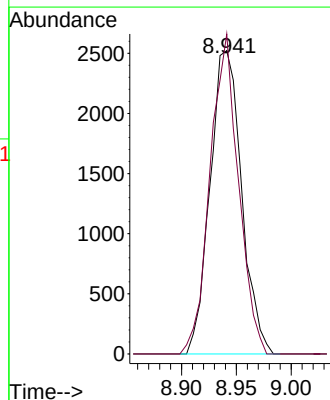
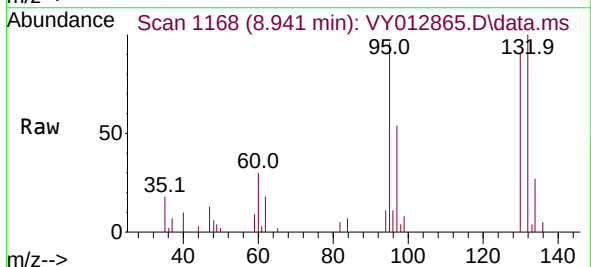
RT: 8.941 min Scan# 1168

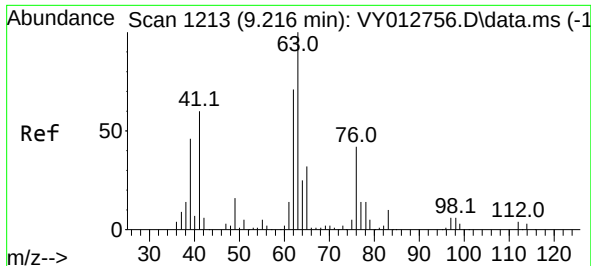
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:130	Resp: 5052
Ion Ratio	Lower Upper
130 100	
95 105.5	0.0 185.0





#45

1,2-Dichloropropane

Concen: 4.143 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 457

Ion Ratio Lower Upper

63 100

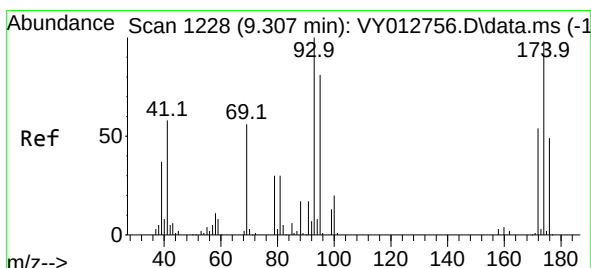
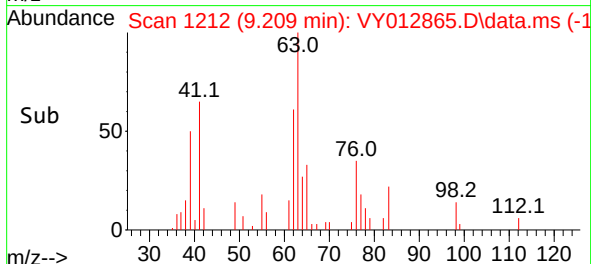
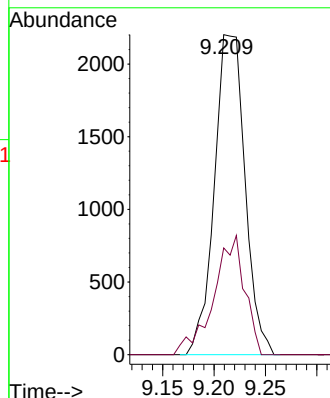
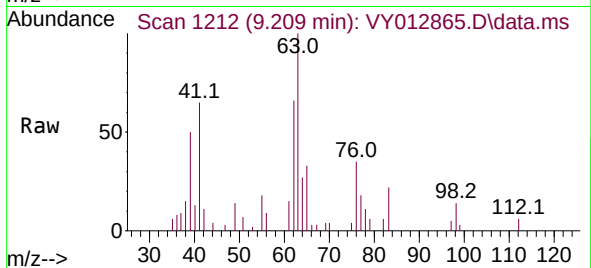
65 33.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#46

Dibromomethane

Concen: 4.330 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

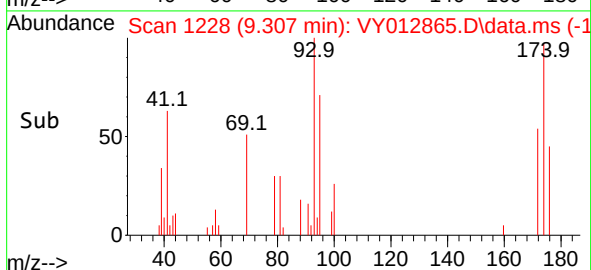
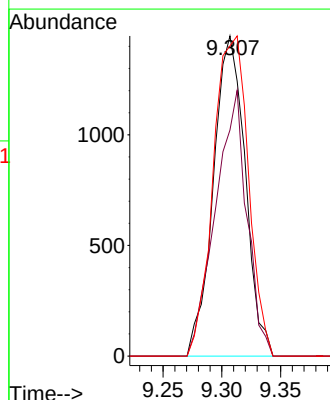
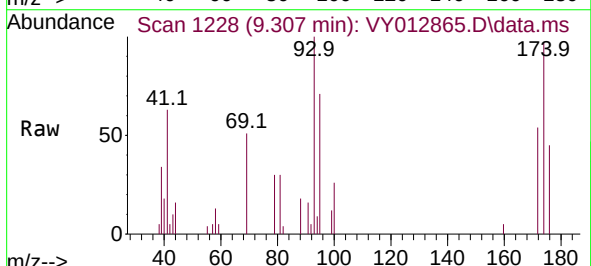
Tgt Ion: 93 Resp: 2722

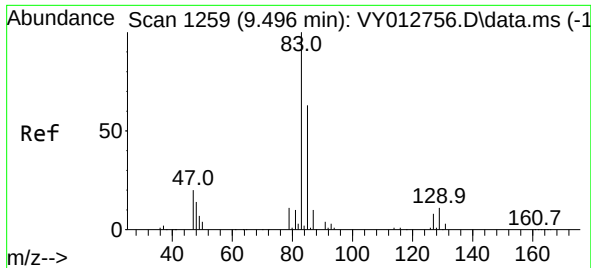
Ion Ratio Lower Upper

93 100

95 81.7 65.6 98.4

174 110.4 81.3 121.9





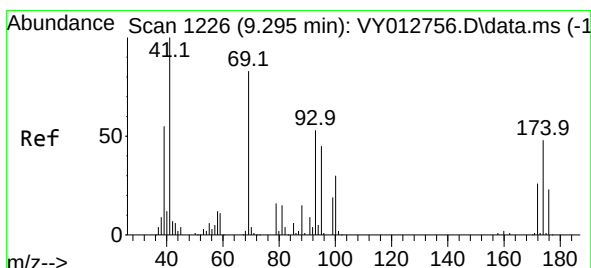
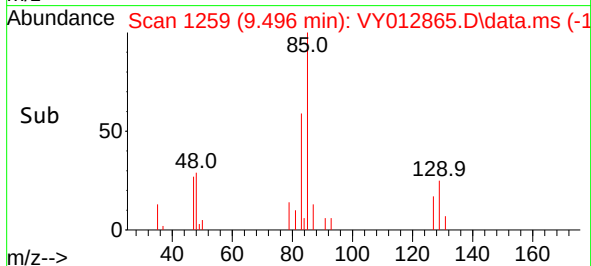
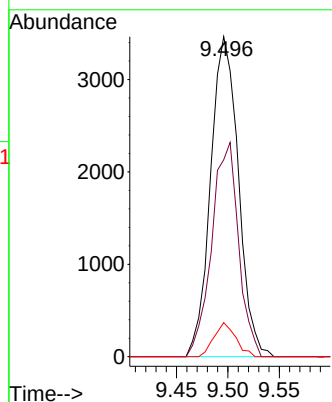
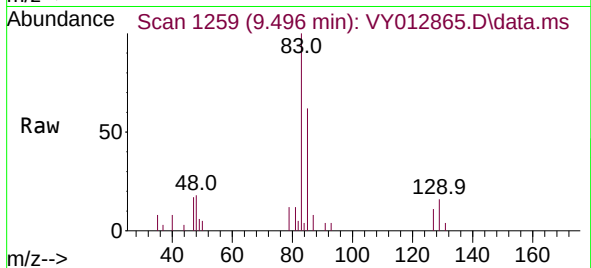
#47
Bromodichloromethane
Concen: 4.396 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

Tgt Ion: 83 Resp: 651
Ion Ratio Lower Upper
83 100
85 61.5 50.2 75.4
127 10.7 6.3 9.5

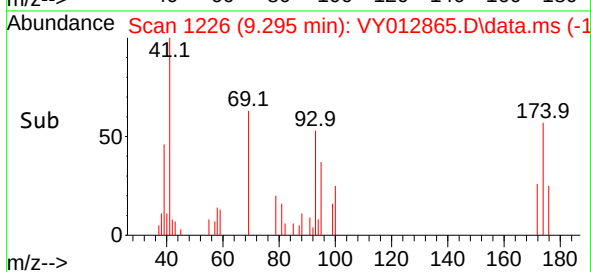
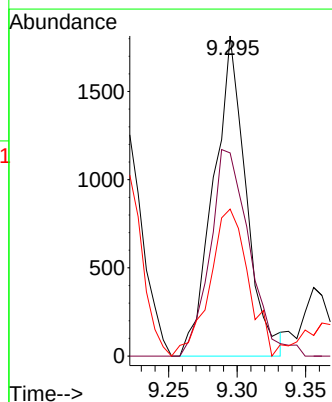
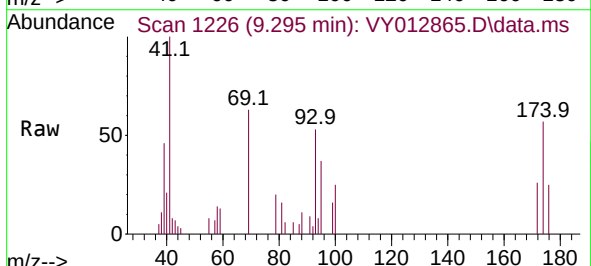
Manual Integrations
APPROVED

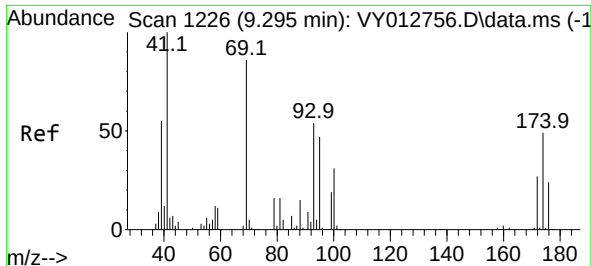
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#48
Methyl methacrylate
Concen: 3.748 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 41 Resp: 2997
Ion Ratio Lower Upper
41 100
69 78.2 64.1 96.1
39 55.2 44.0 66.0





#49

1,4-Dioxane

Concen: 71.130 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

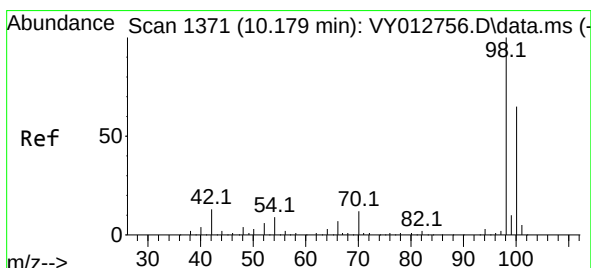
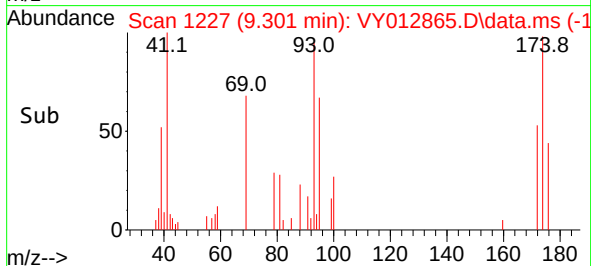
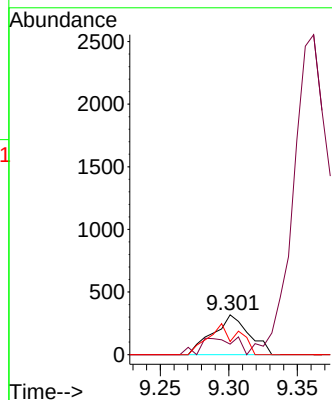
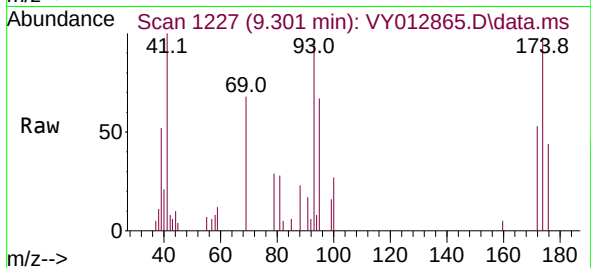
Tgt Ion: 88	Resp: 578
Ion Ratio	Lower Upper
88 100	
43 41.9	28.6 42.8
58 65.4	55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#50

Toluene-d8

Concen: 44.873 ug/l

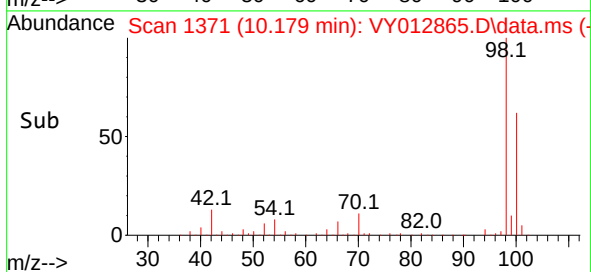
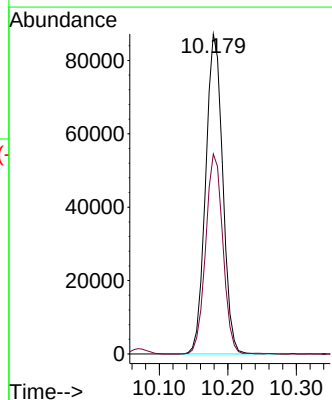
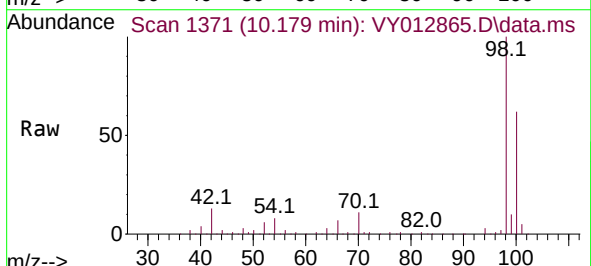
RT: 10.179 min Scan# 1371

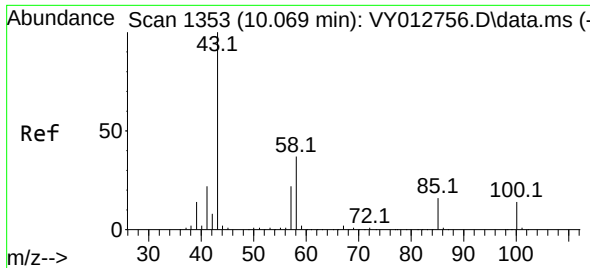
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

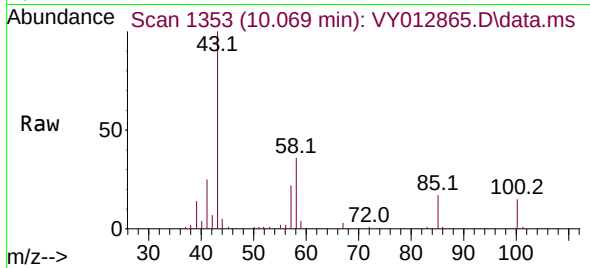
Tgt Ion: 98	Resp: 151085
Ion Ratio	Lower Upper
98 100	
100 63.0	50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 17.796 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

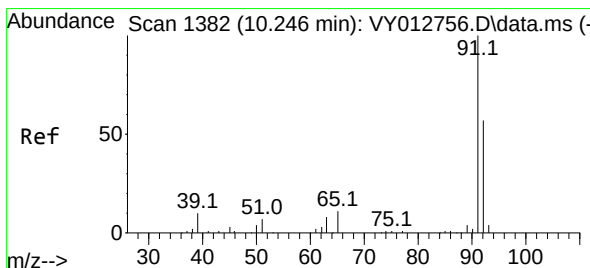
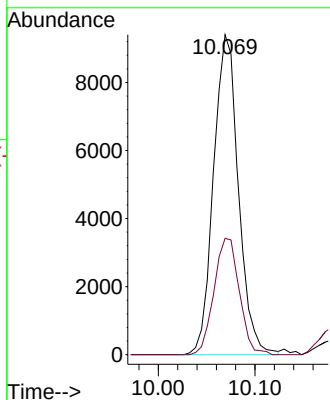
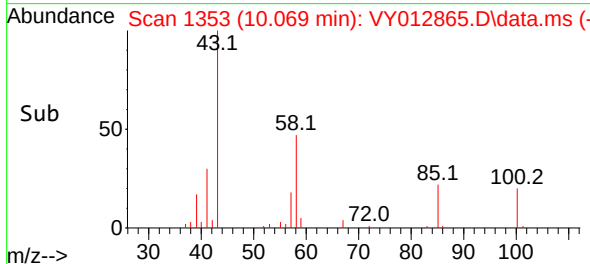
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022



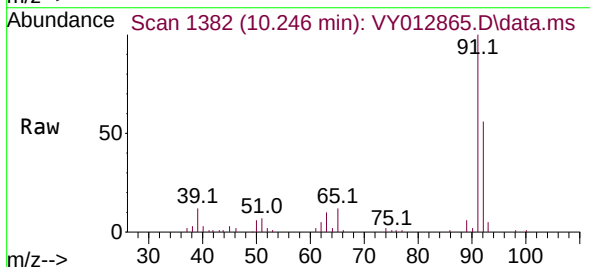
Tgt Ion: 43 Resp: 1675
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.6

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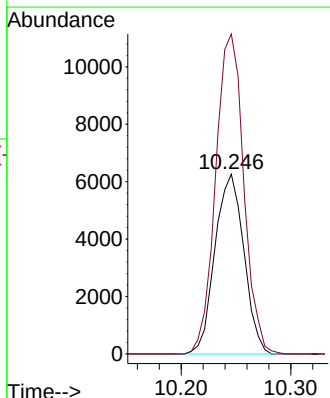
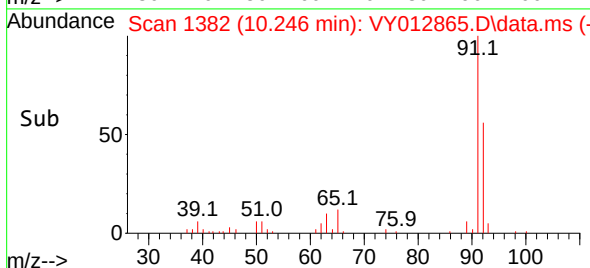
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

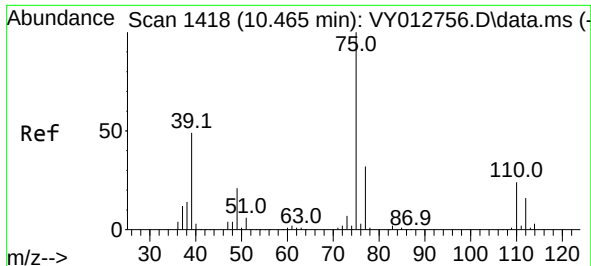


#52
Toluene
Concen: 4.354 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



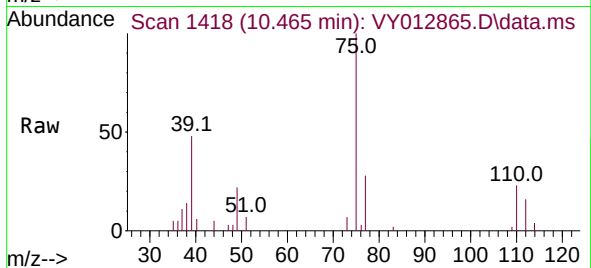
Tgt Ion: 92 Resp: 11463
Ion Ratio Lower Upper
92 100
91 173.2 141.3 211.9





#53
t-1,3-Dichloropropene
Concen: 4.127 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

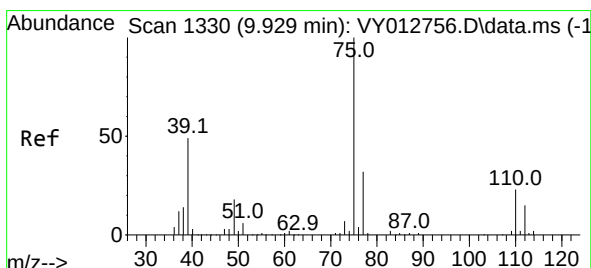
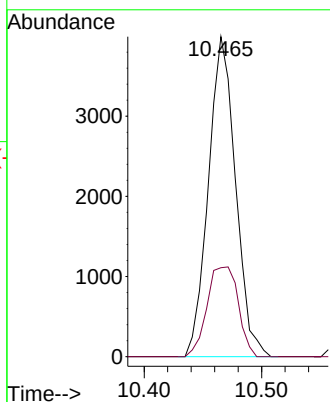
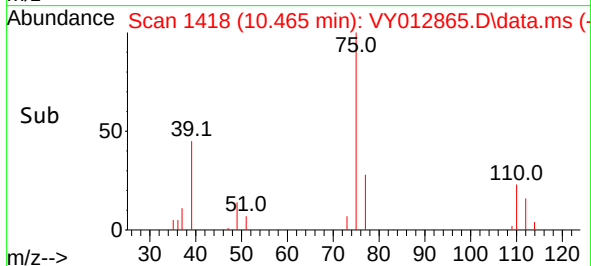
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 75 Resp: 6412
Ion Ratio Lower Upper
75 100
77 27.8 25.4 38.2

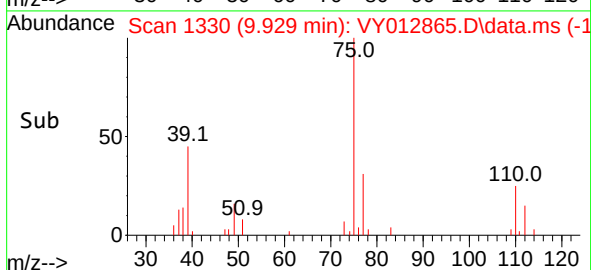
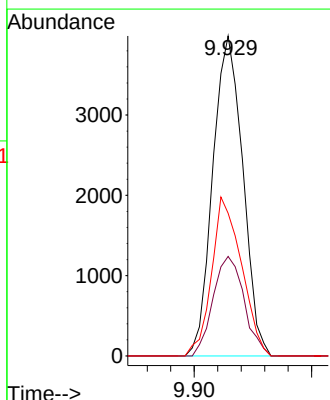
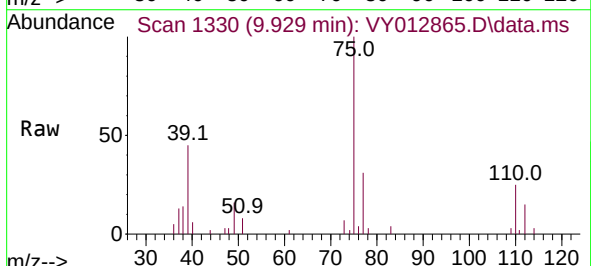
Manual Integrations
APPROVED

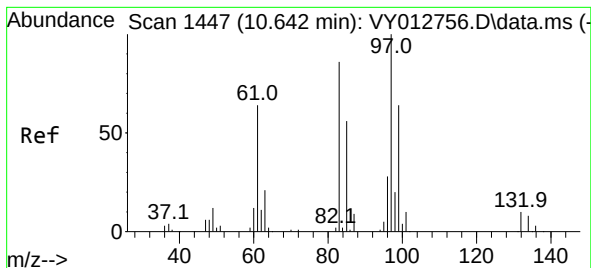
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#54
cis-1,3-Dichloropropene
Concen: 4.018 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

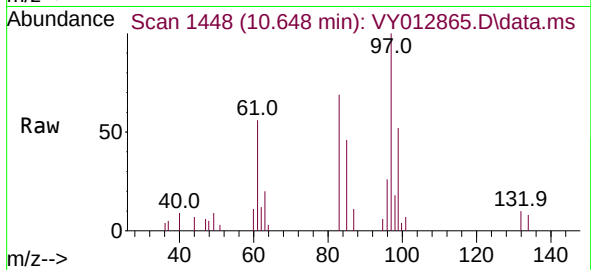
Tgt Ion: 75 Resp: 7066
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 44.6 39.0 58.4





#55
1,1,2-Trichloroethane
Concen: 4.489 ug/l
RT: 10.648 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

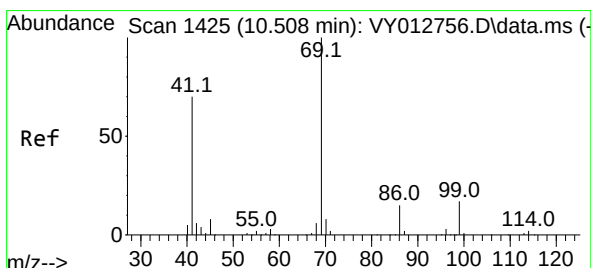
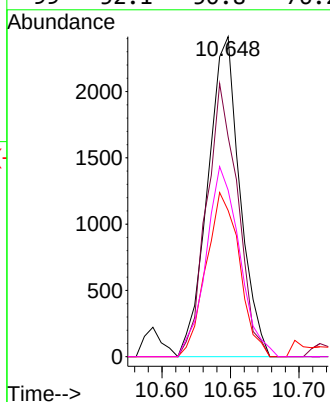
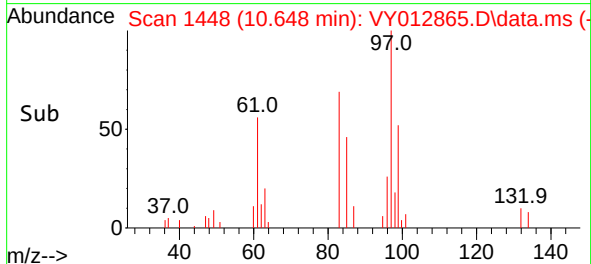


Tgt Ion: 97 Resp: 3930

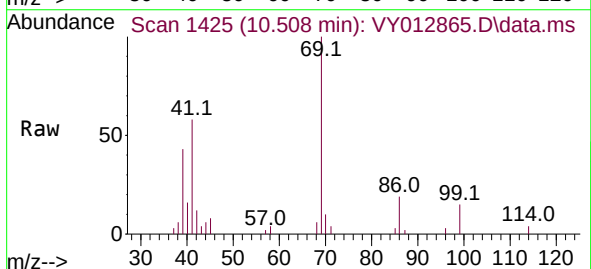
Ion	Ratio	Lower	Upper
97	100		
83	68.7	69.0	103.6
85	45.7	44.9	67.3
99	52.1	50.8	76.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

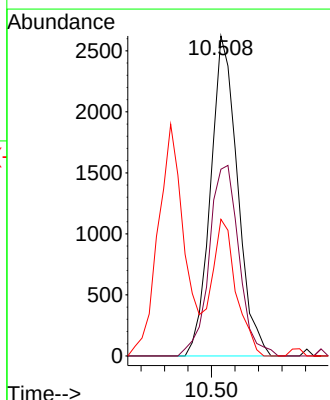
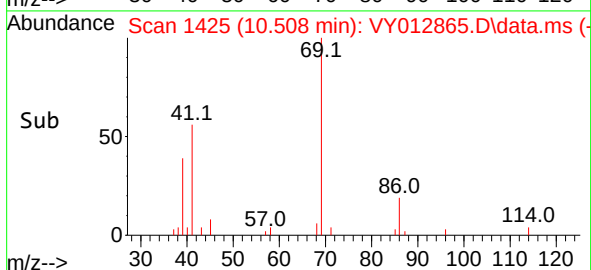


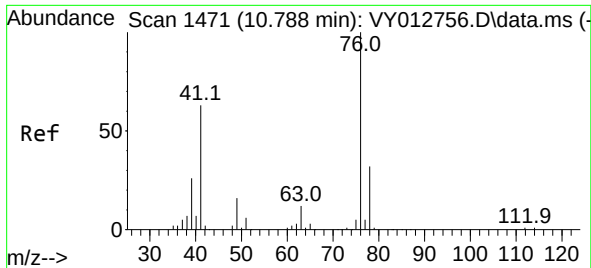
#56
Ethyl methacrylate
Concen: 3.581 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



Tgt Ion: 69 Resp: 4180

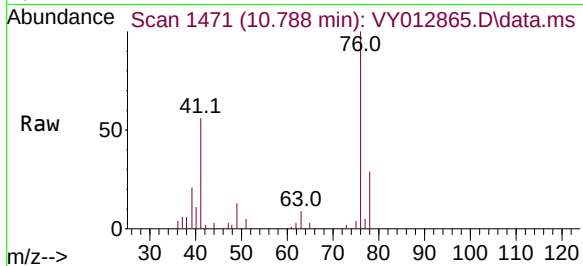
Ion	Ratio	Lower	Upper
69	100		
41	65.9	56.4	84.6
39	38.4	30.8	46.2





#57
1,3-Dichloropropane
Concen: 4.247 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

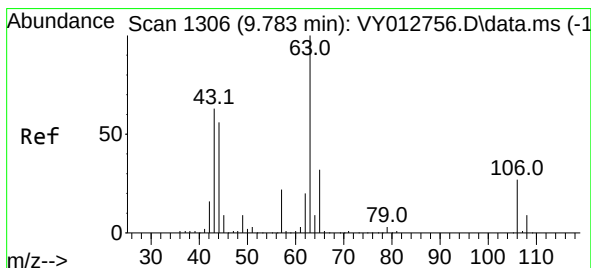
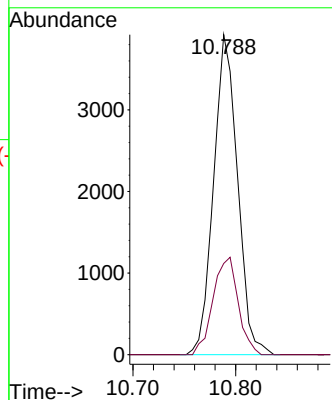
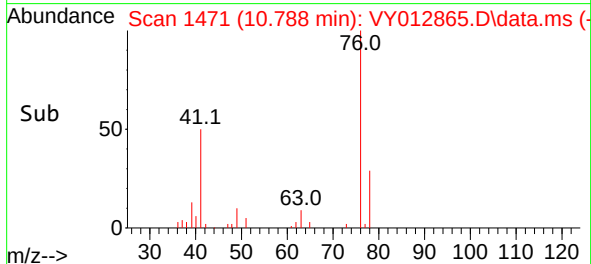
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022



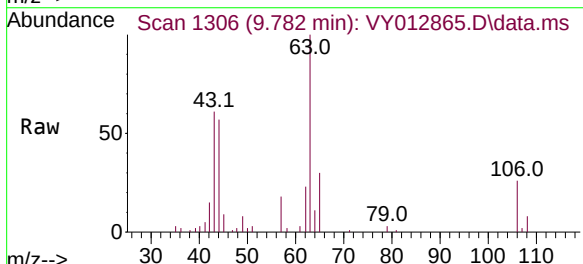
Tgt Ion: 76 Resp: 6332
Ion Ratio Lower Upper
76 100
78 32.0 26.2 39.4

Manual Integrations
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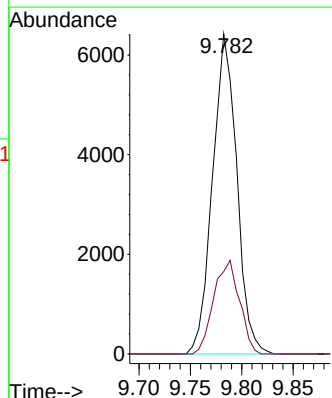
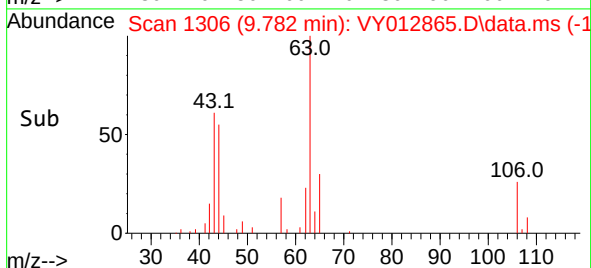
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

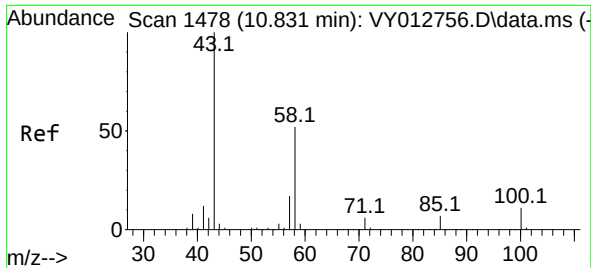


#58
2-Chloroethyl Vinyl ether
Concen: 17.175 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



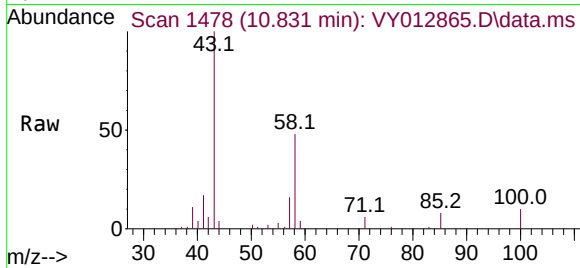
Tgt Ion: 63 Resp: 10524
Ion Ratio Lower Upper
63 100
106 31.0 22.1 33.1





#59
2-Hexanone
Concen: 17.438 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

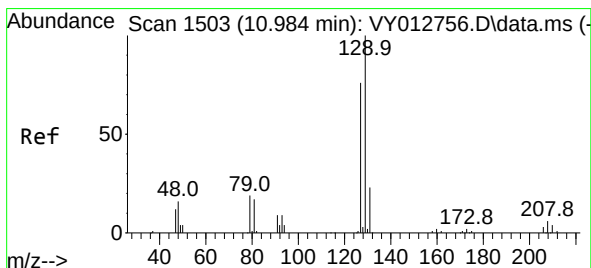
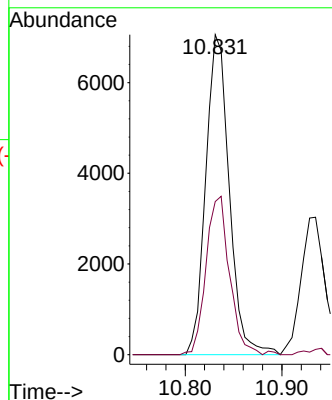
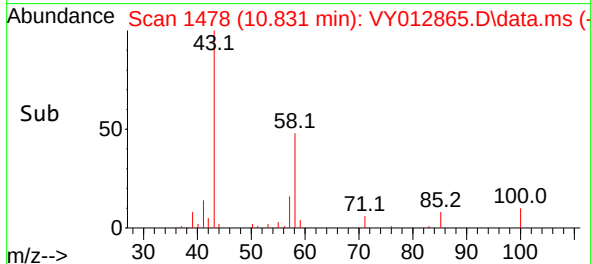
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 49.3 25.9 77.8

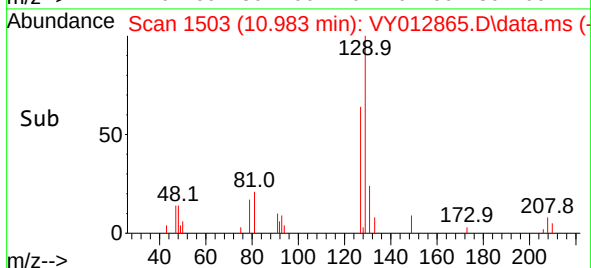
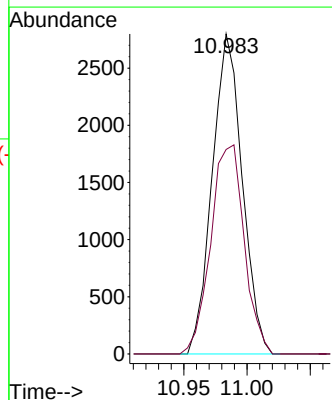
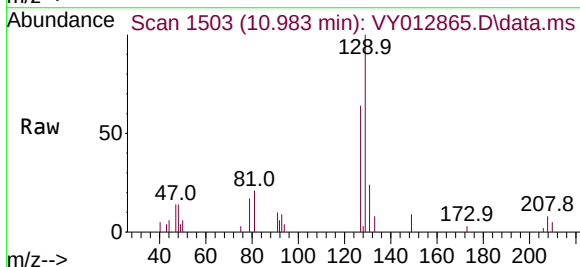
Manual Integrations
APPROVED

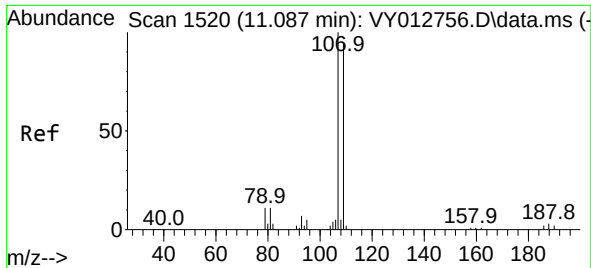
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#60
Dibromochloromethane
Concen: 4.333 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:129 Resp: 4617
Ion Ratio Lower Upper
129 100
127 72.7 38.7 116.1





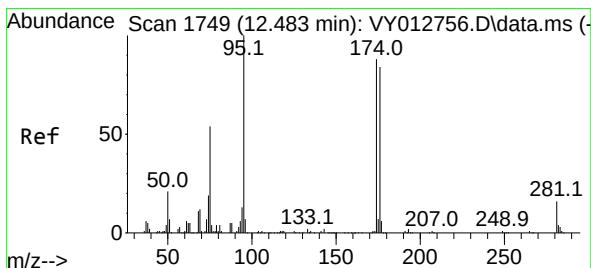
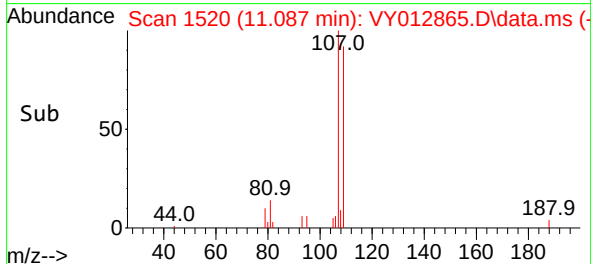
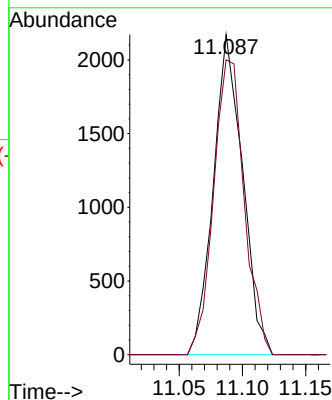
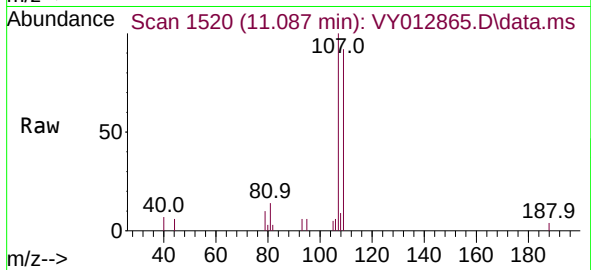
#61
1,2-Dibromoethane
Concen: 4.135 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:107 Resp: 348
Ion Ratio Lower Upper
107 100
109 96.8 75.0 112.6

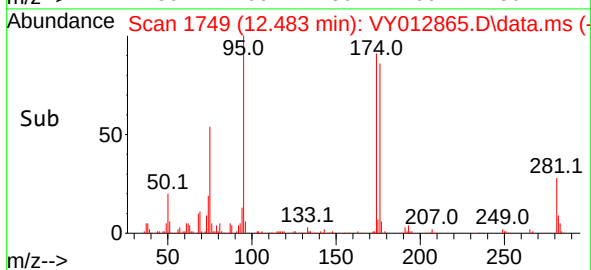
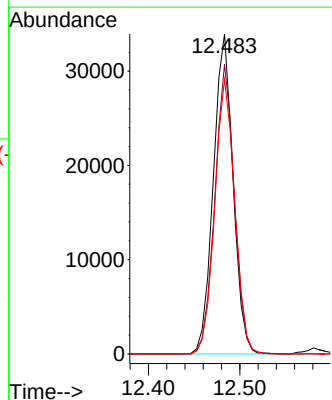
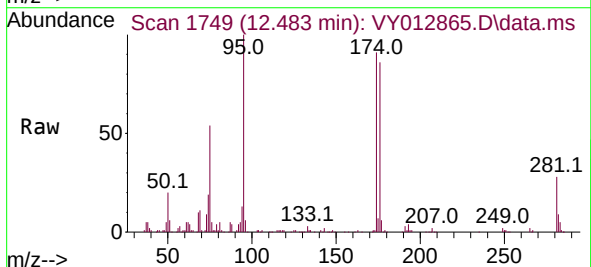
Manual Integrations
APPROVED

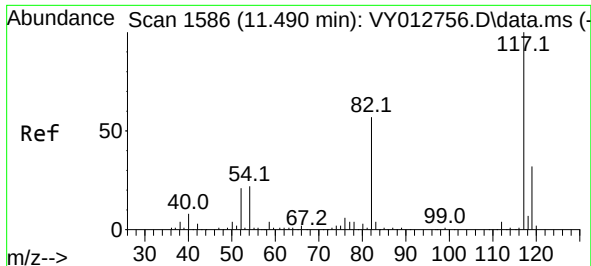
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#62
4-Bromofluorobenzene
Concen: 44.606 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

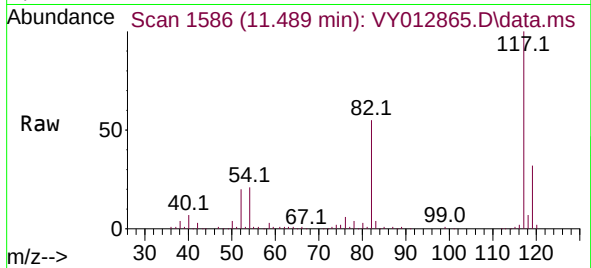
Tgt Ion: 95 Resp: 50691
Ion Ratio Lower Upper
95 100
174 90.2 0.0 176.6
176 87.0 0.0 170.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

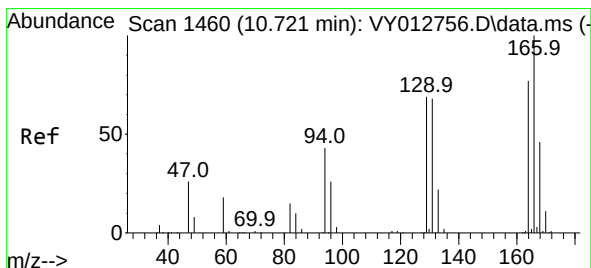
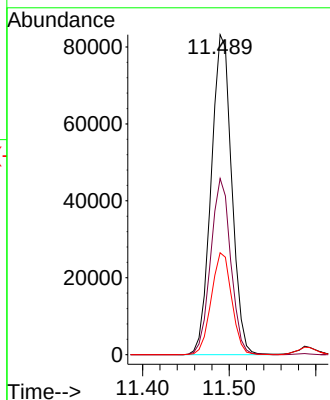
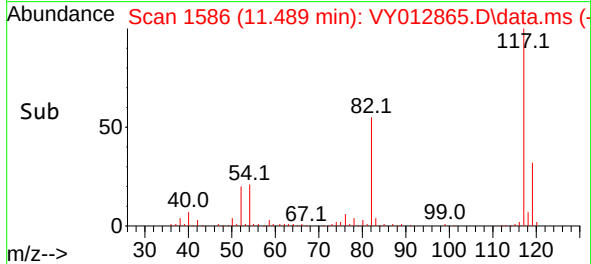
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:117 Resp: 137074
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.0
119 31.8 25.6 38.4

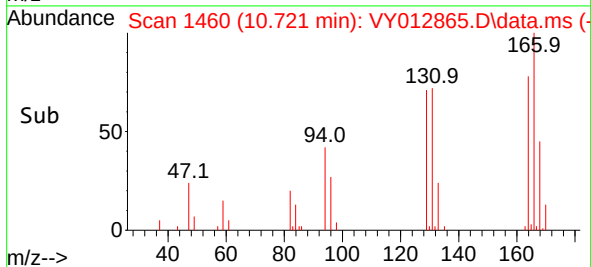
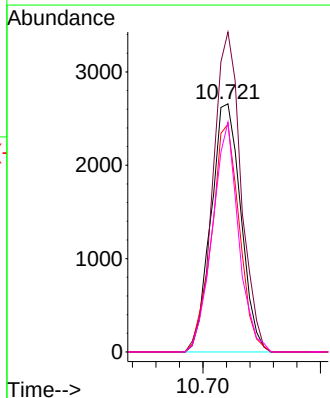
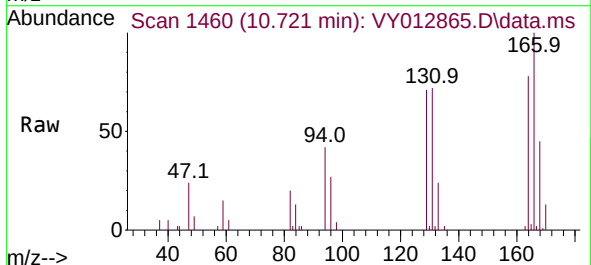
Manual Integrations
APPROVED

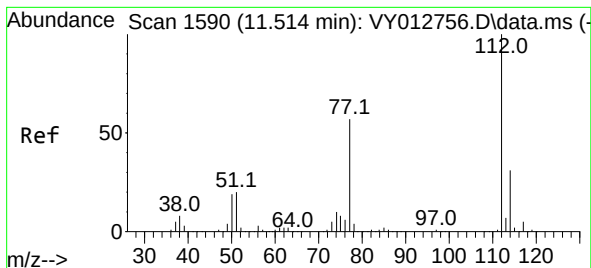
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#64
Tetrachloroethene
Concen: 4.688 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

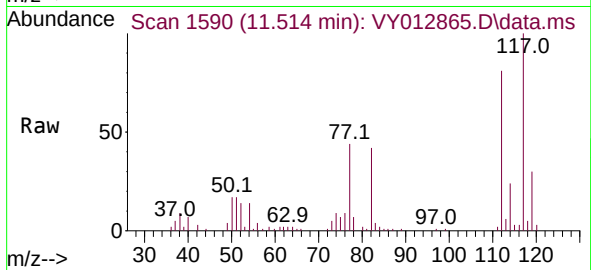
Tgt Ion:164 Resp: 4679
Ion Ratio Lower Upper
164 100
166 129.0 103.4 155.2
129 91.8 71.4 107.2
131 92.6 69.9 104.9





#65
Chlorobenzene
Concen: 4.282 ug/l
RT: 11.514 min Scan# 111
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

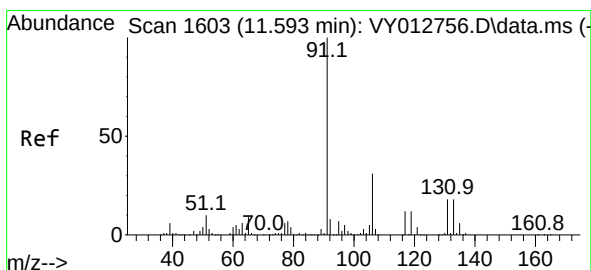
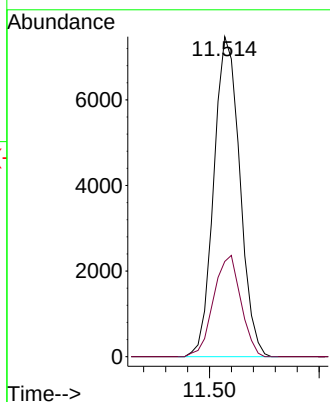
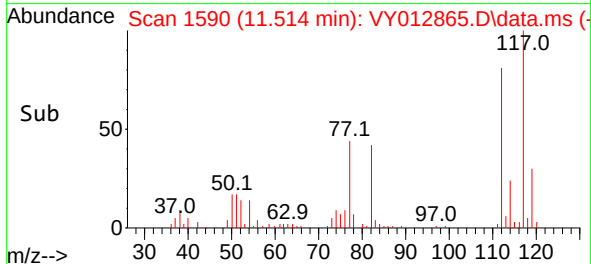
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:112 Resp: 12318
Ion Ratio Lower Upper
112 100
114 29.8 24.5 36.7

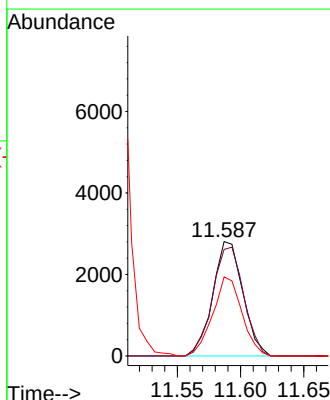
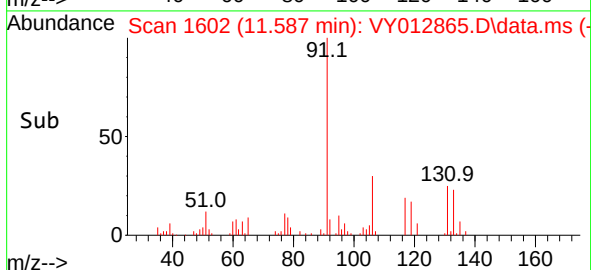
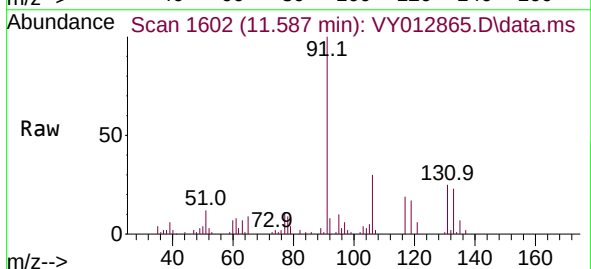
Manual Integrations
APPROVED

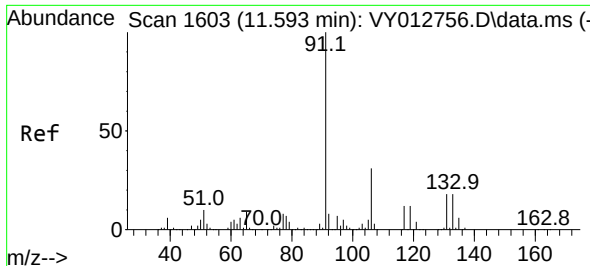
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 4.376 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:131 Resp: 4658
Ion Ratio Lower Upper
131 100
133 97.9 48.0 144.0
119 66.7 32.6 98.0





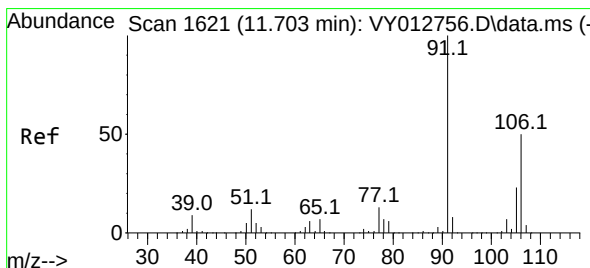
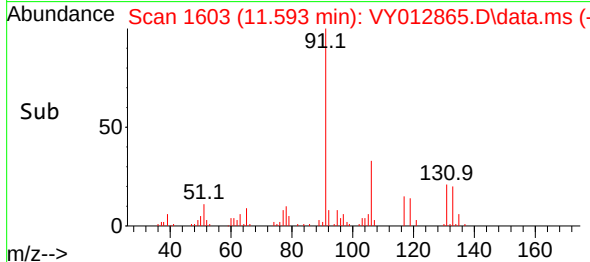
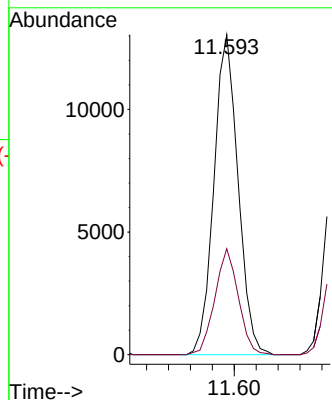
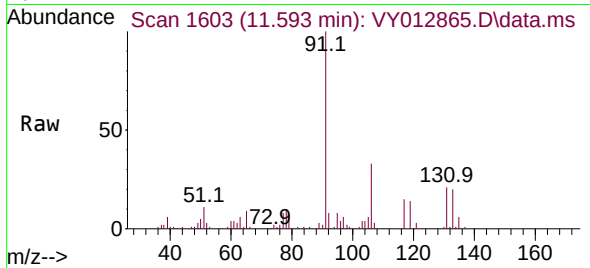
#67
Ethyl Benzene
Concen: 3.939 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 1992
Ion Ratio Lower Upper
91 100
106 33.1 25.1 37.7

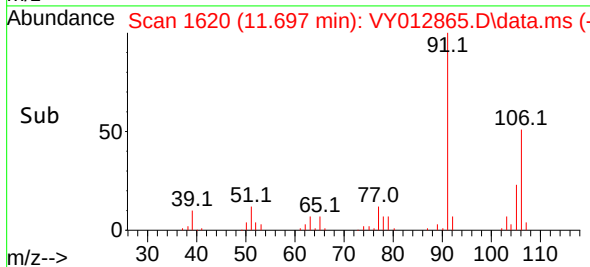
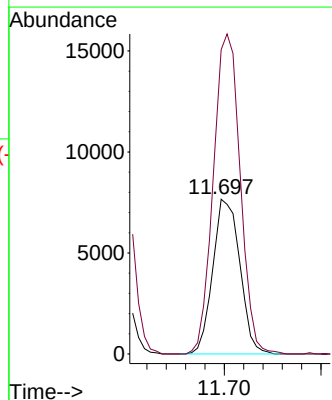
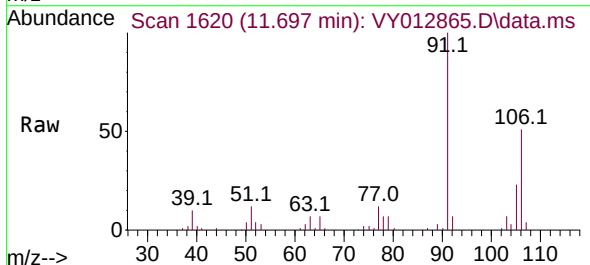
Manual Integrations
APPROVED

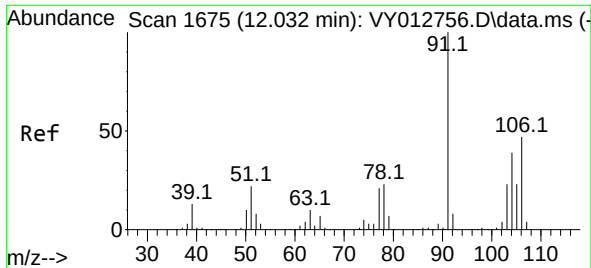
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#68
m/p-Xylenes
Concen: 7.646 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:106 Resp: 14877
Ion Ratio Lower Upper
106 100
91 205.5 159.8 239.8





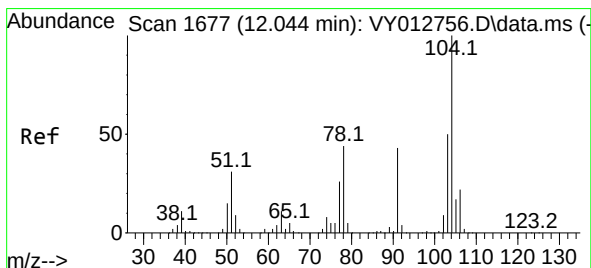
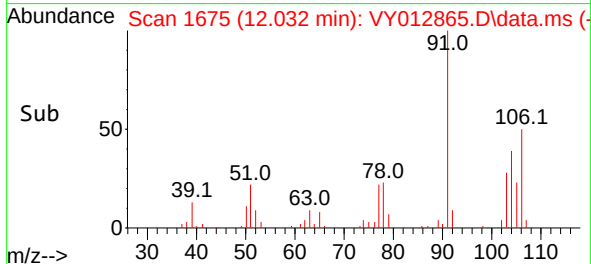
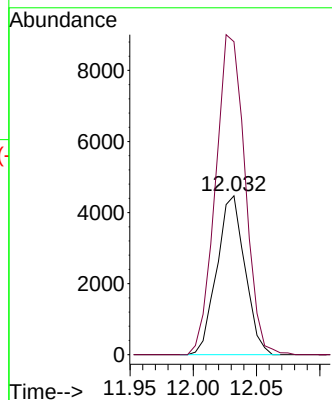
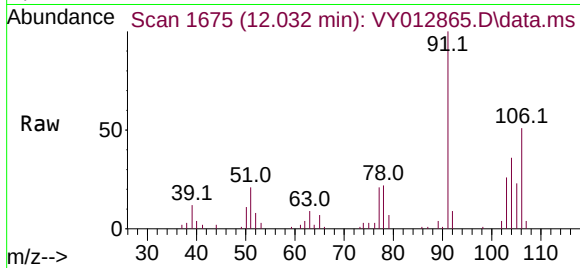
#69
o-Xylene
Concen: 3.795 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:106 Resp: 6892
Ion Ratio Lower Upper
106 100
91 211.5 107.2 321.6

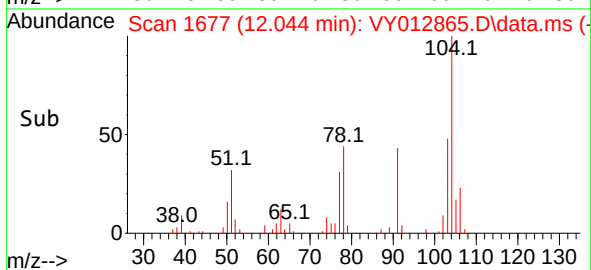
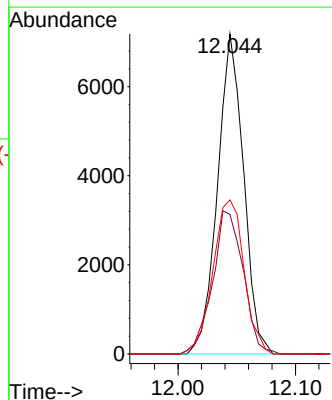
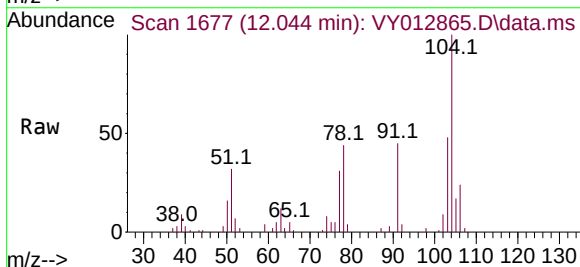
Manual Integrations
APPROVED

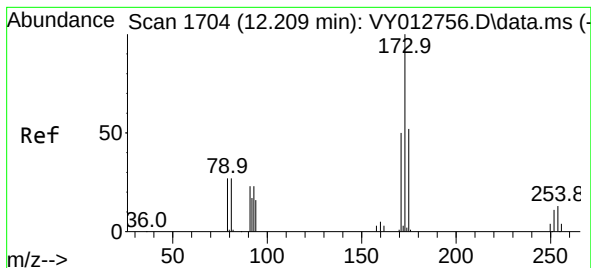
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#70
Styrene
Concen: 3.652 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:104 Resp: 11067
Ion Ratio Lower Upper
104 100
78 52.5 39.2 58.8
103 57.3 43.7 65.5





#71

Bromoform

Concen: 4.465 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

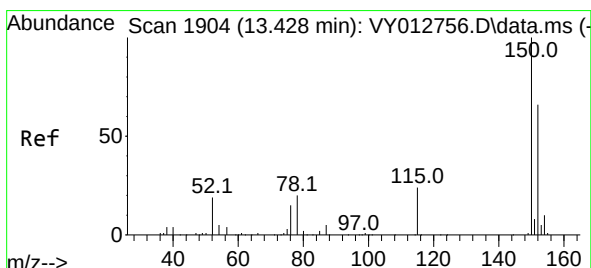
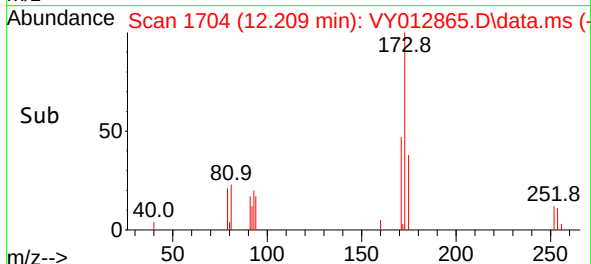
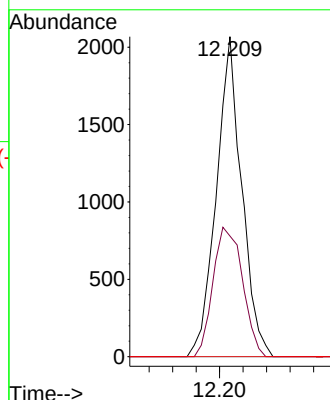
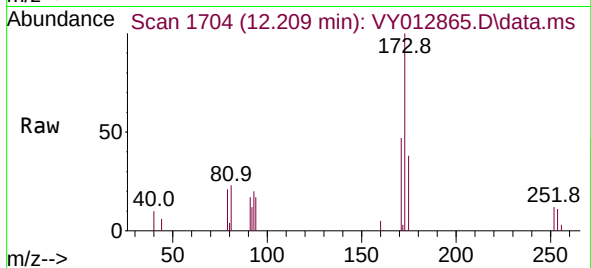
Tgt Ion:	173	Resp:	309
Ion Ratio	Lower	Upper	
173	100		
175	47.0	25.0	75.0
254	0.0	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

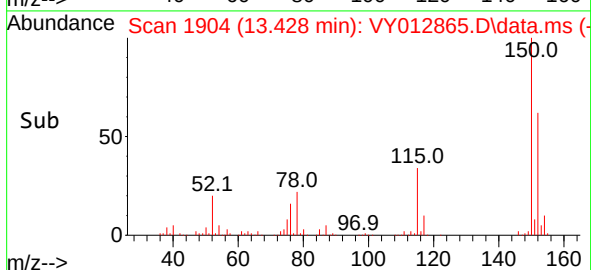
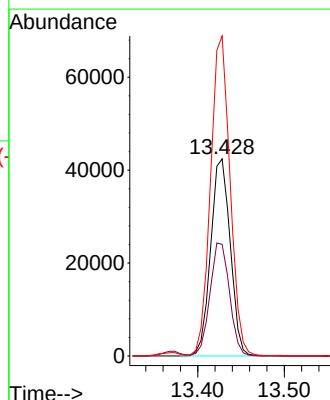
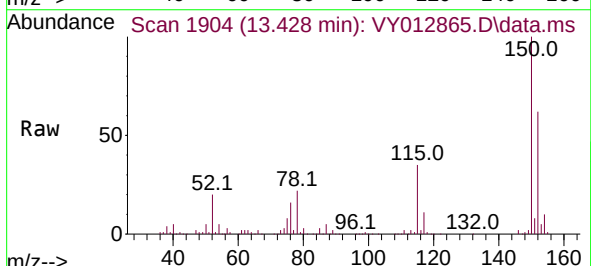
RT: 13.428 min Scan# 1904

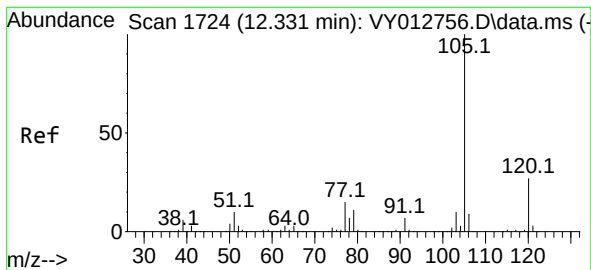
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:	152	Resp:	66654
Ion Ratio	Lower	Upper	
152	100		
115	57.2	27.1	81.3
150	162.0	0.0	347.8





#73

Isopropylbenzene

Concen: 3.855 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

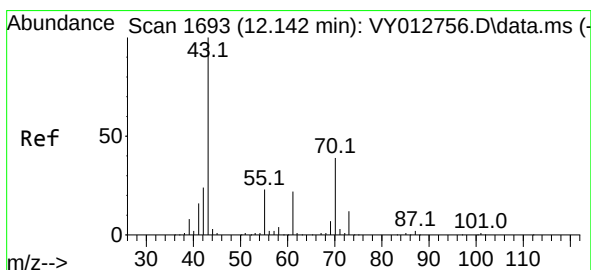
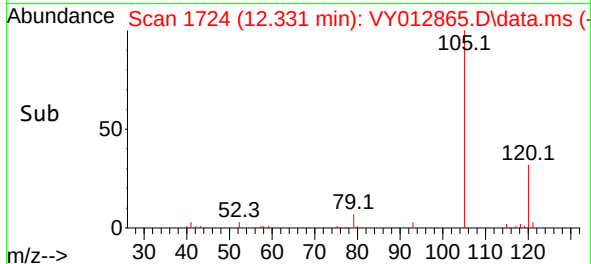
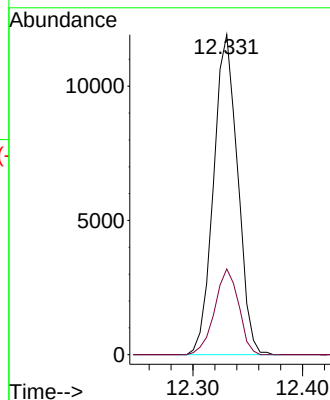
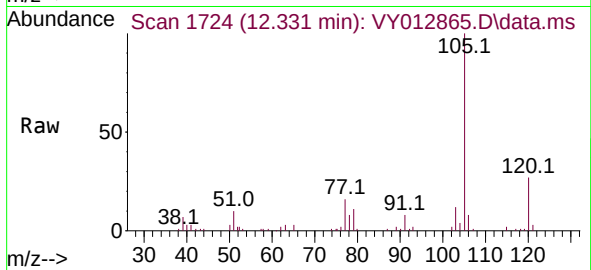
Tgt Ion:105 Resp: 1821
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#74

N-ethyl acetate

Concen: 3.431 ug/l

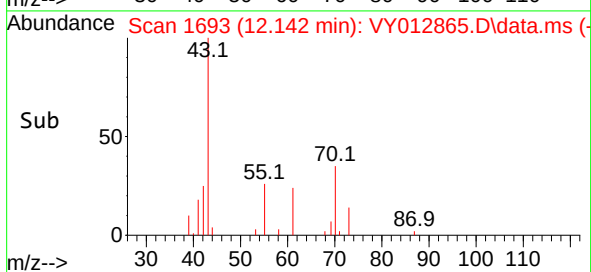
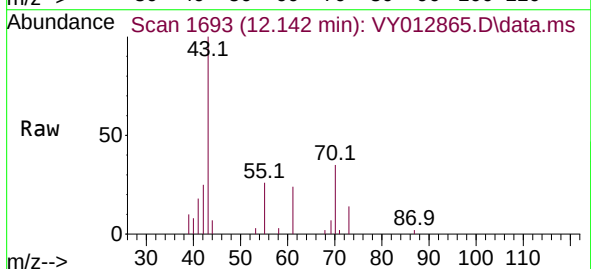
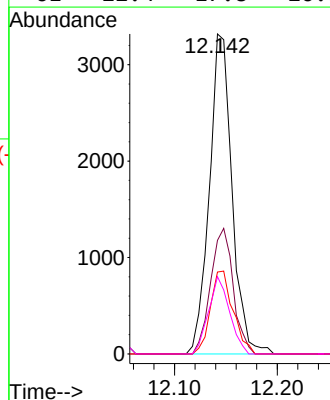
RT: 12.142 min Scan# 1693

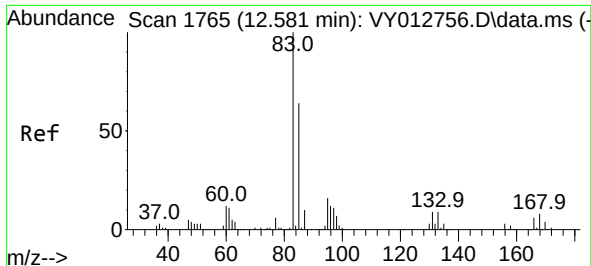
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

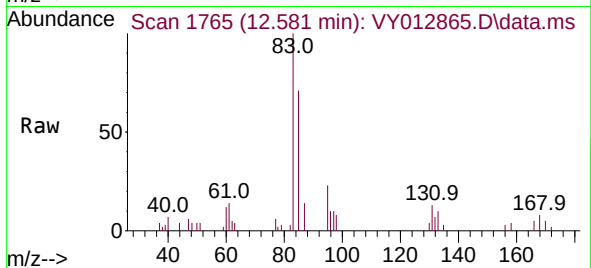
Tgt Ion: 43 Resp: 5099
 Ion Ratio Lower Upper
 43 100
 70 39.0 31.6 47.4
 55 25.9 18.8 28.2
 61 22.4 17.8 26.8





#75
1,1,2,2-Tetrachloroethane
Concen: 4.326 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

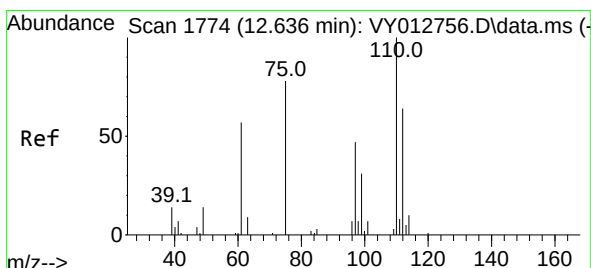
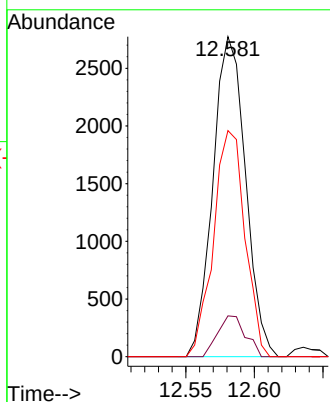
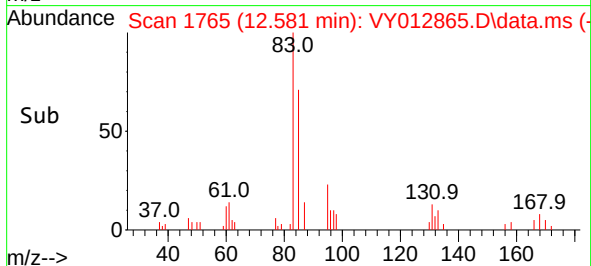
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 83 Resp: 4594
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.2
85 68.1 31.8 95.3

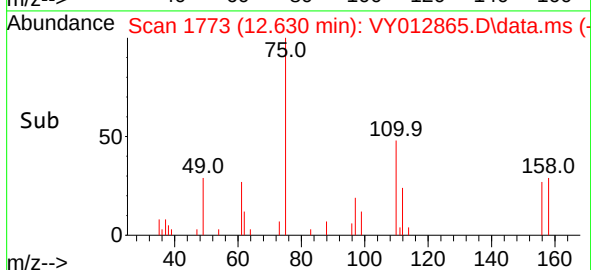
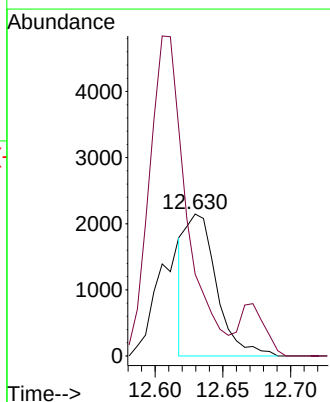
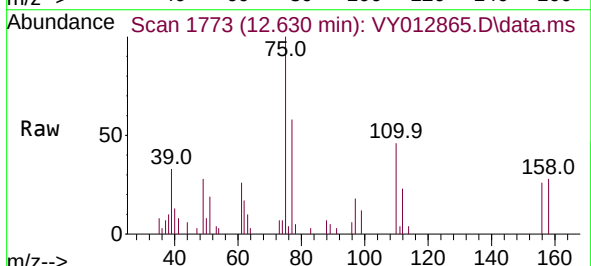
Manual Integrations
APPROVED

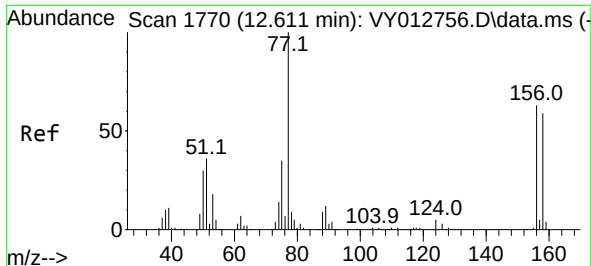
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#76
1,2,3-Trichloropropane
Concen: 4.366 ug/l m
RT: 12.630 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 75 Resp: 3475
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





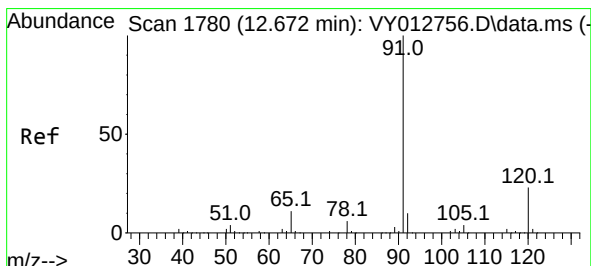
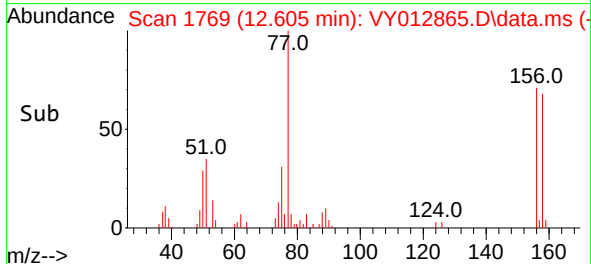
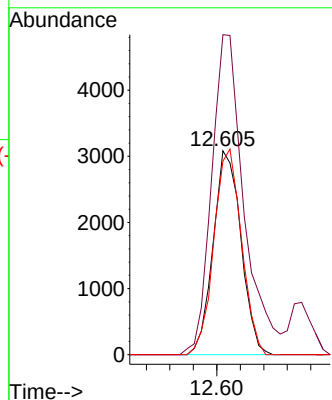
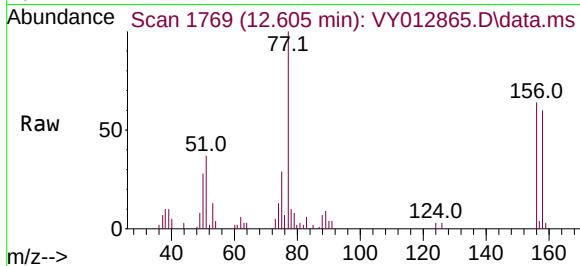
#77
Bromobenzene
Concen: 4.415 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:156 Resp: 5060
Ion Ratio Lower Upper
156 100
77 182.5 94.0 282.1
158 100.2 48.1 144.4

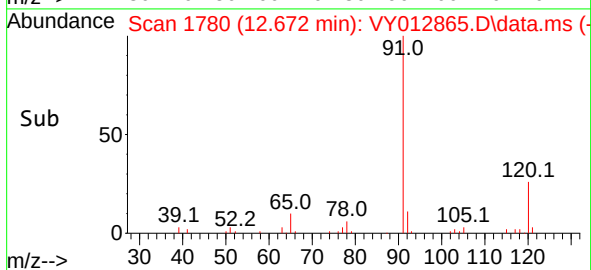
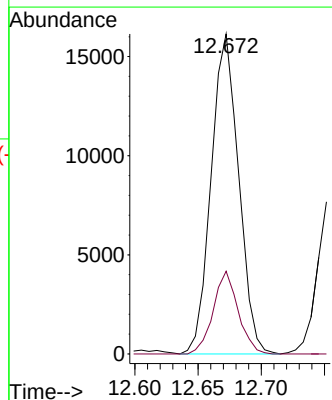
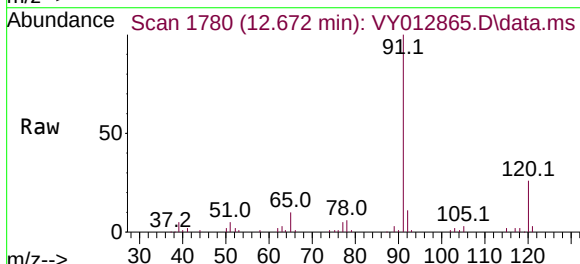
Manual Integrations
APPROVED

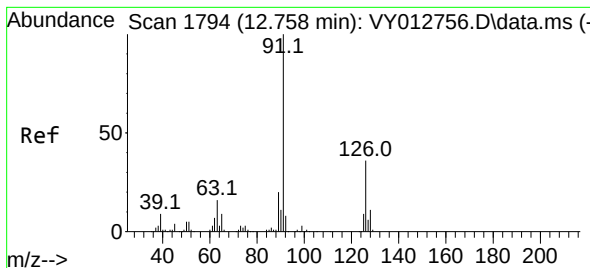
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#78
n-propylbenzene
Concen: 4.189 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 91 Resp: 24395
Ion Ratio Lower Upper
91 100
120 23.4 11.6 34.8





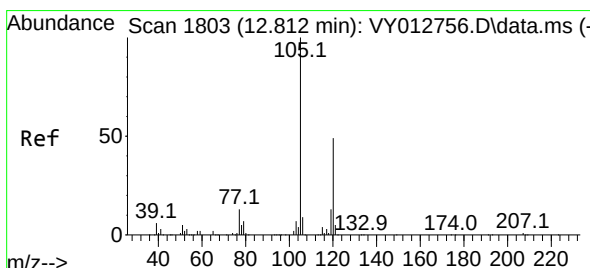
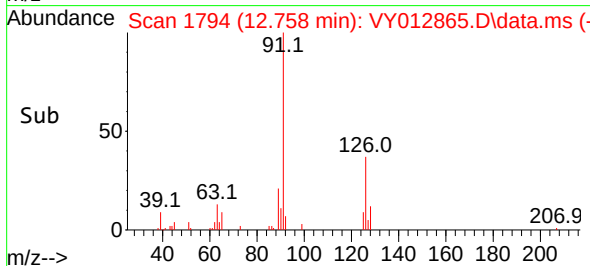
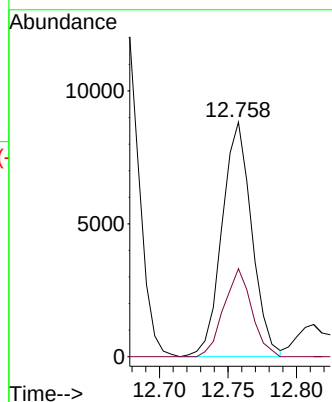
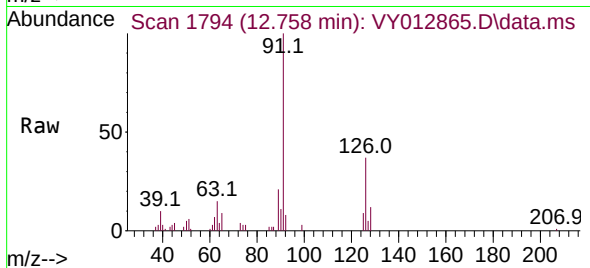
#79
2-Chlorotoluene
Concen: 4.128 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 1336
Ion Ratio Lower Upper
91 100
126 35.1 17.4 52.2

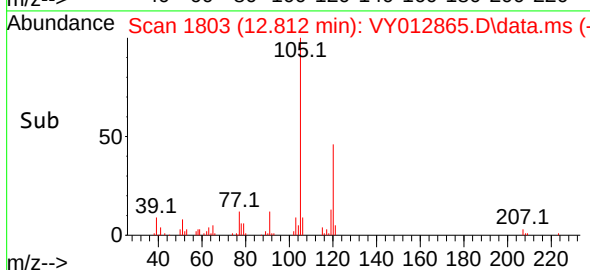
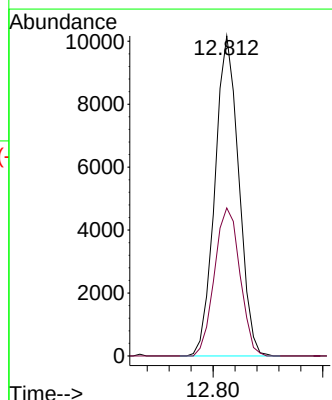
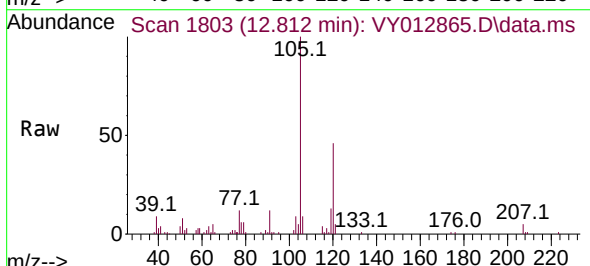
Manual Integrations
APPROVED

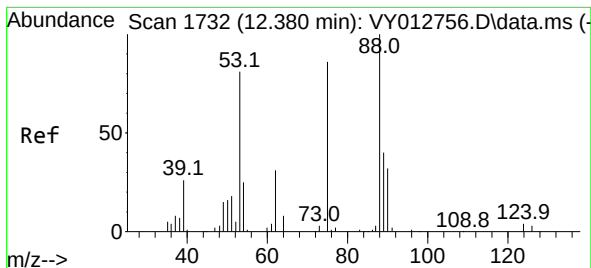
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#80
1,3,5-Trimethylbenzene
Concen: 3.941 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

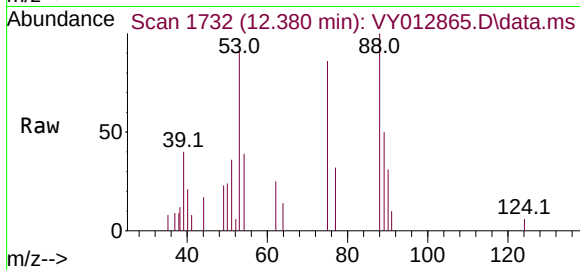
Tgt Ion:105 Resp: 15364
Ion Ratio Lower Upper
105 100
120 49.3 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 3.772 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

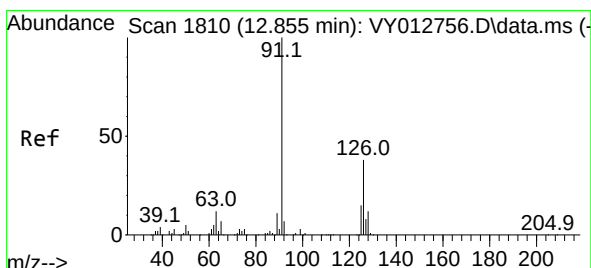
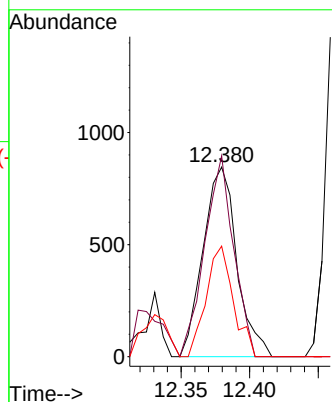
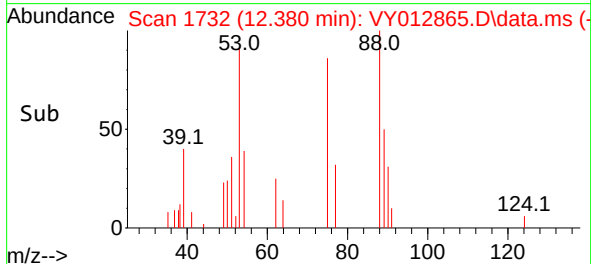
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



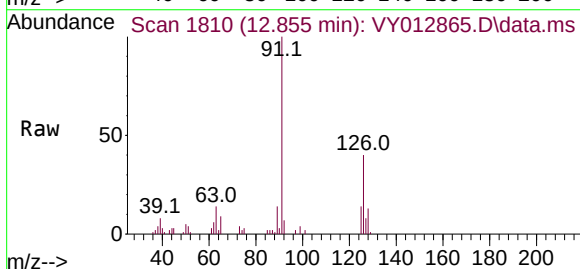
Tgt Ion: 75 Resp: 1449
Ion Ratio Lower Upper
75 100
53 91.0 73.4 110.0
89 46.9 36.6 55.0

Manual Integrations
APPROVED

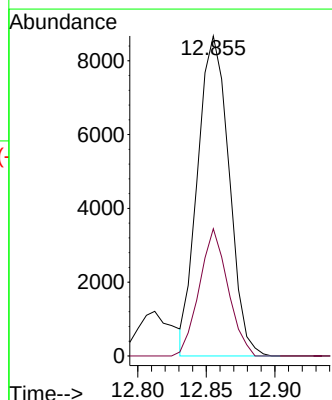
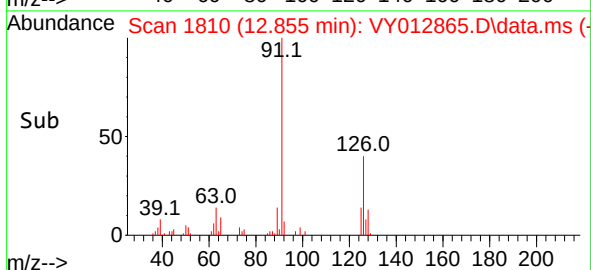
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023

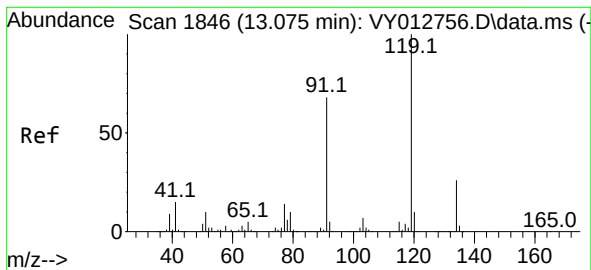


#82
4-Chlorotoluene
Concen: 4.120 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



Tgt Ion: 91 Resp: 13805
Ion Ratio Lower Upper
91 100
126 36.2 17.7 53.1





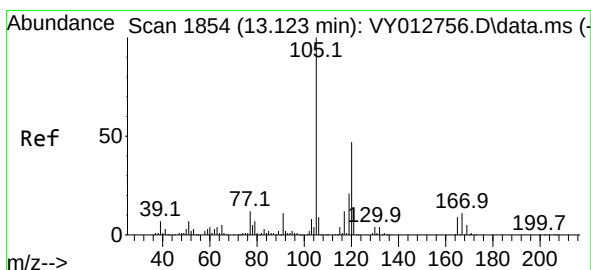
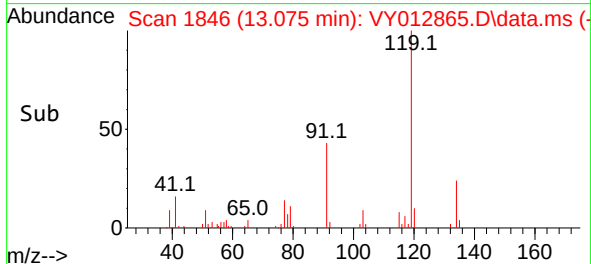
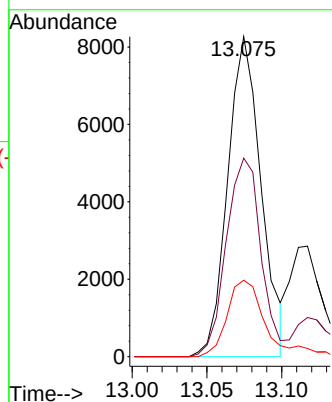
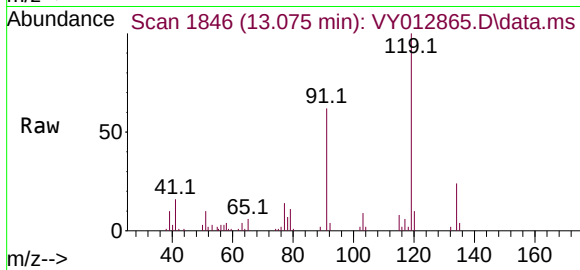
#83
tert-Butylbenzene
Concen: 3.821 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

Tgt Ion:119 Resp: 1285
Ion Ratio Lower Upper
119 100
91 64.1 32.8 98.3
134 27.5 13.6 40.8

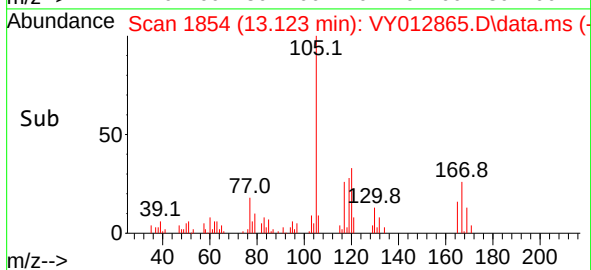
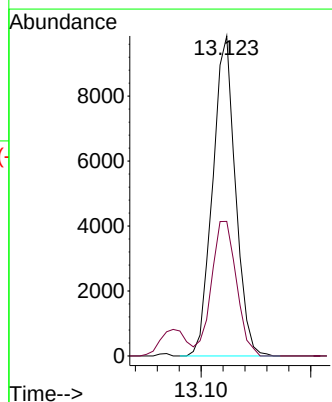
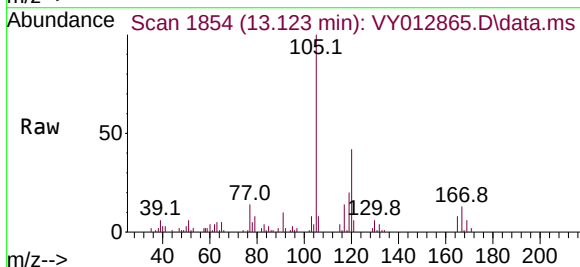
Manual Integrations
APPROVED

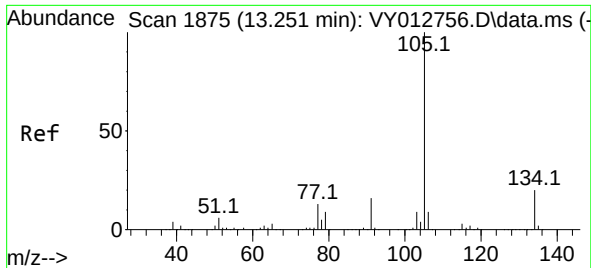
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#84
1,2,4-Trimethylbenzene
Concen: 3.729 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

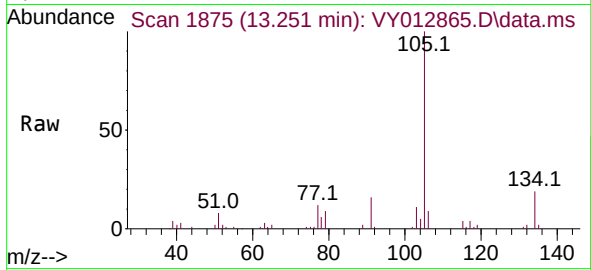
Tgt Ion:105 Resp: 14215
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0





#85
 sec-Butylbenzene
 Concen: 3.939 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

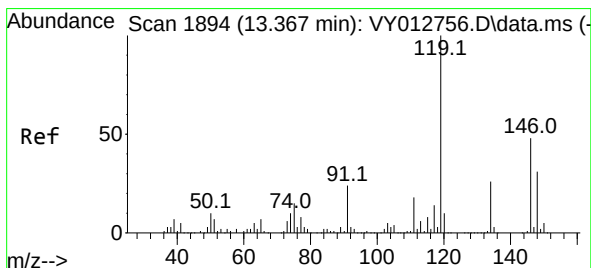
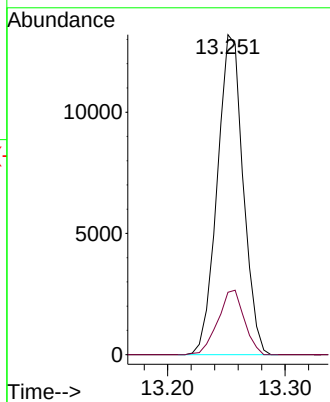
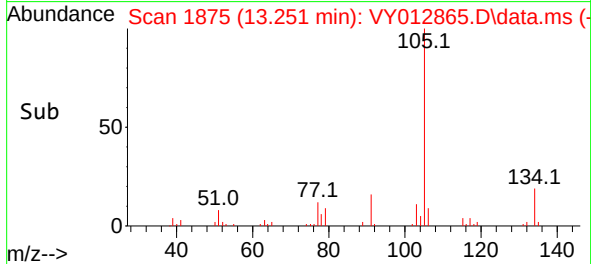
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



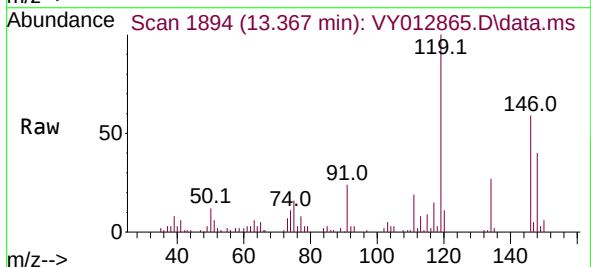
Tgt Ion:105 Resp: 20218
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1

Manual Integrations
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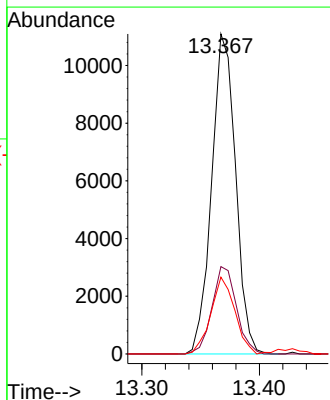
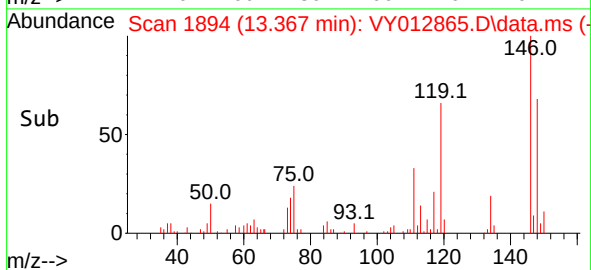
Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

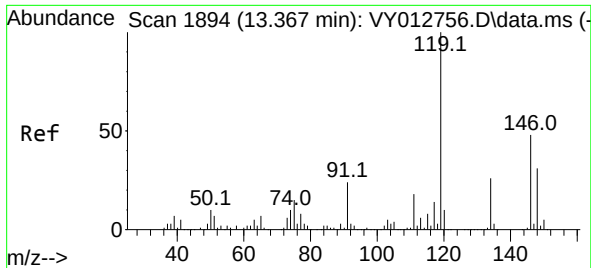


#86
 p-Isopropyltoluene
 Concen: 3.749 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54



Tgt Ion:119 Resp: 15729
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.2 39.6
 91 24.2 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 4.457 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:146 Resp: 986

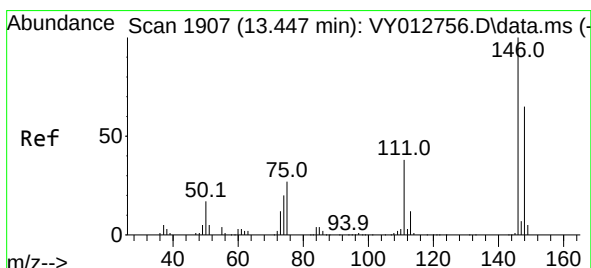
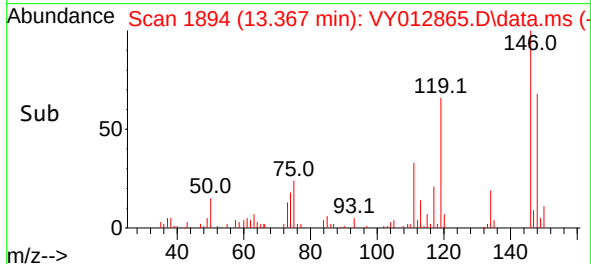
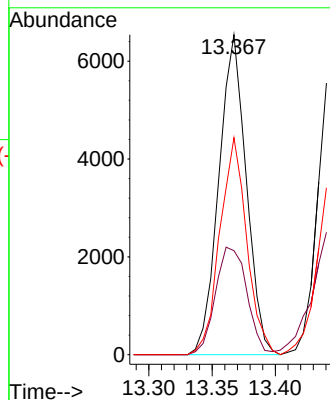
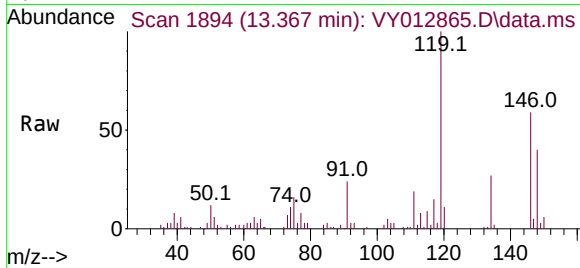
Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	66.6	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#88

1,4-Dichlorobenzene

Concen: 4.535 ug/l

RT: 13.446 min Scan# 1907

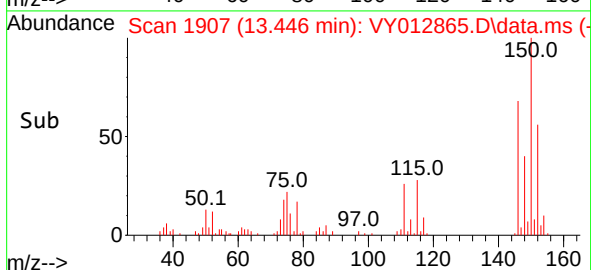
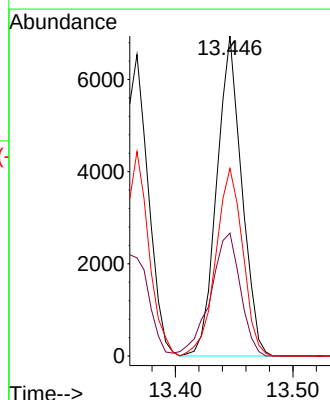
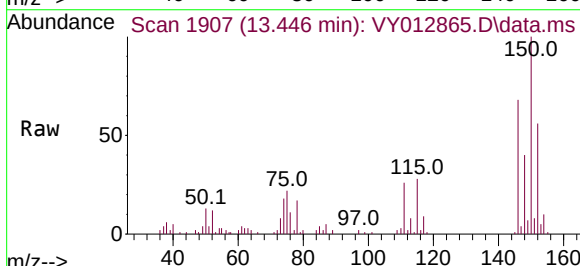
Delta R.T. -0.000 min

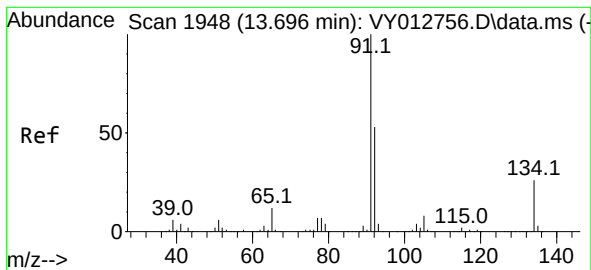
Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:146 Resp: 10243

Ion	Ratio	Lower	Upper
146	100		
111	46.2	18.6	55.8
148	63.5	31.5	94.5





#89

n-Butylbenzene

Concen: 3.666 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

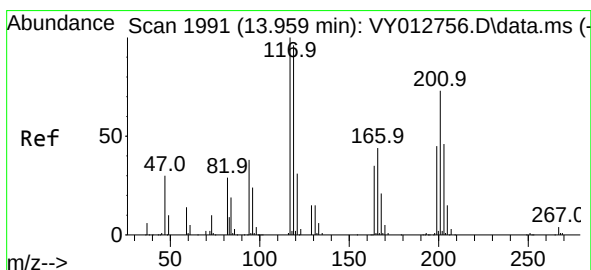
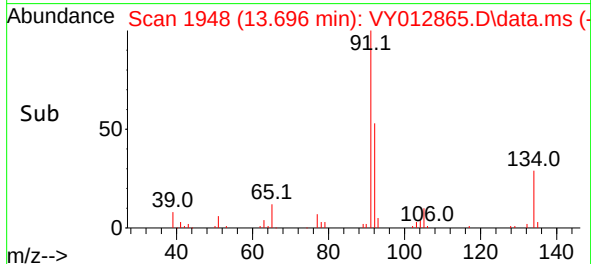
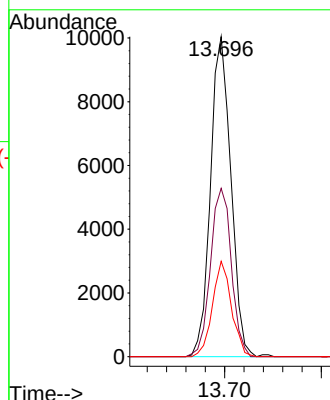
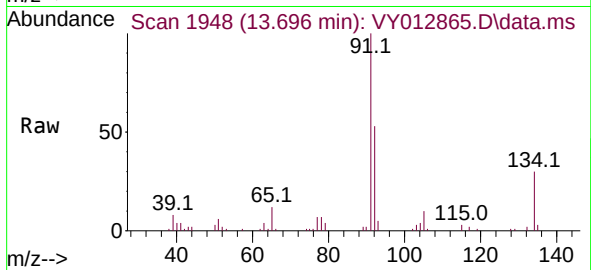
Tgt Ion: 91	Resp: 14724
Ion Ratio	Lower Upper
91 100	
92 53.8	26.4 79.0
134 27.8	13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#90

Hexachloroethane

Concen: 4.396 ug/l

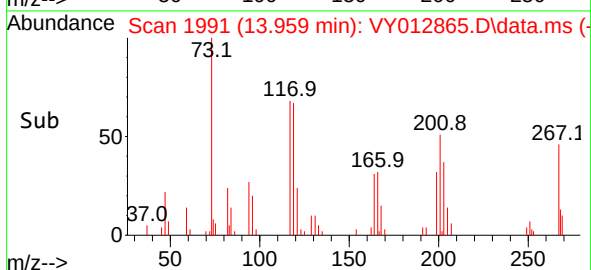
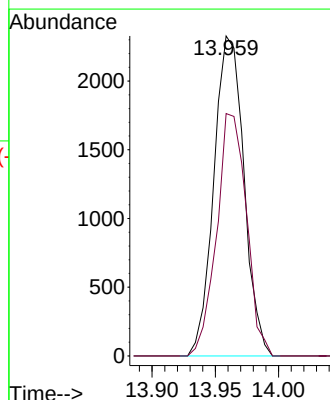
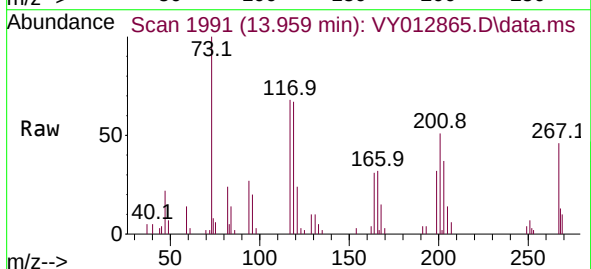
RT: 13.959 min Scan# 1991

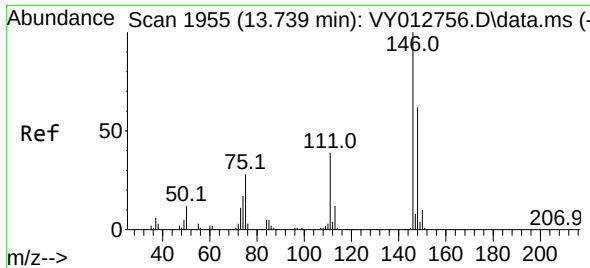
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:117	Resp: 3841
Ion Ratio	Lower Upper
117 100	
201 75.1	39.4 118.1





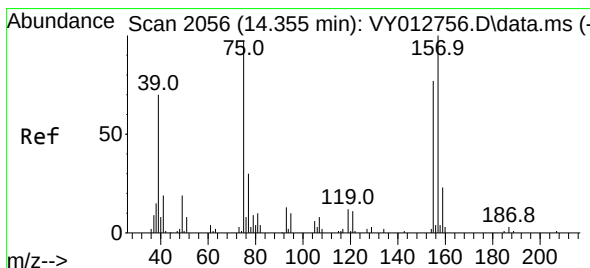
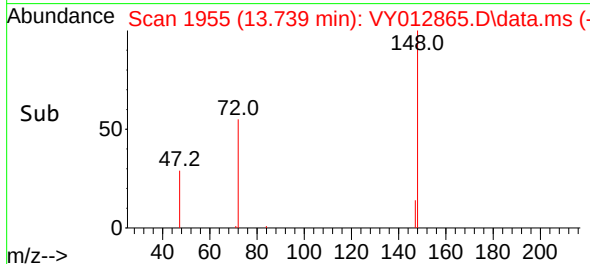
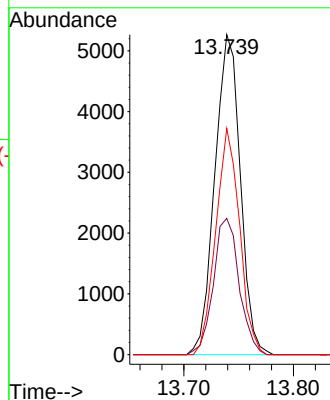
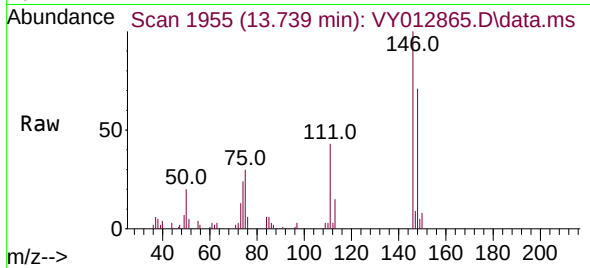
#91
1,2-Dichlorobenzene
Concen: 4.257 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

Tgt Ion:146 Resp: 851
Ion Ratio Lower Upper
146 100
111 43.0 19.7 59.1
148 66.1 31.9 95.5

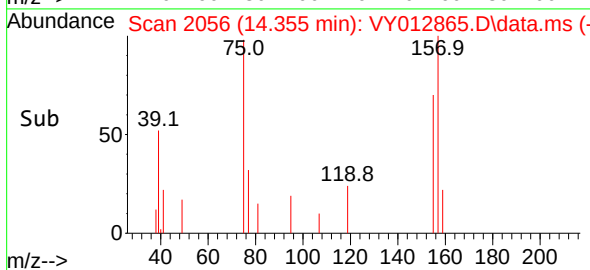
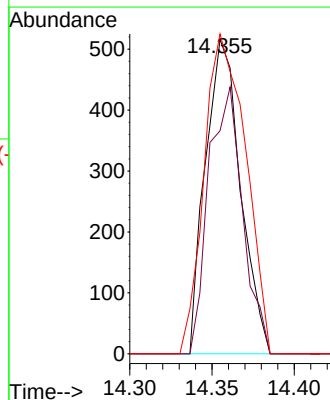
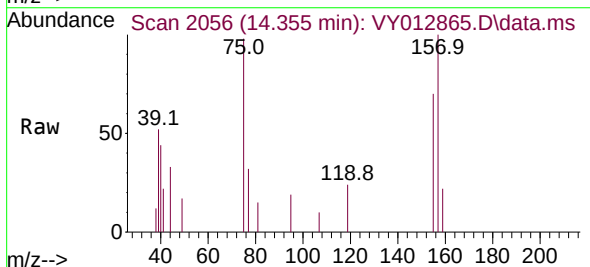
Manual Integrations
APPROVED

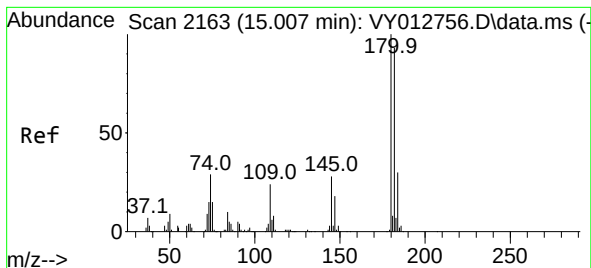
Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.458 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 75 Resp: 765
Ion Ratio Lower Upper
75 100
155 82.1 43.8 131.4
157 120.5 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 3.957 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:180 Resp: 4875

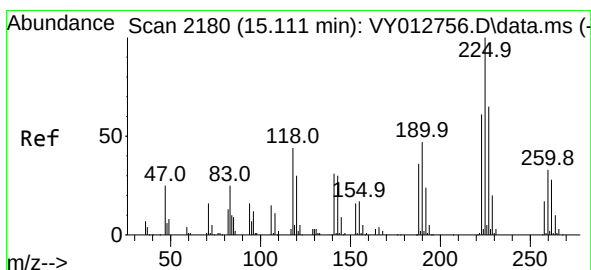
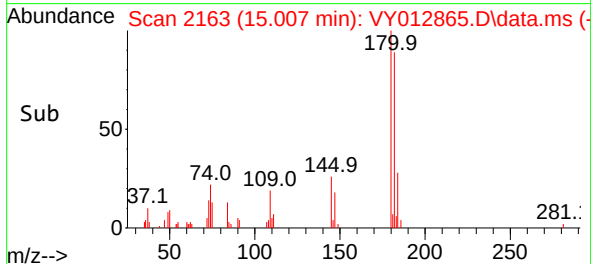
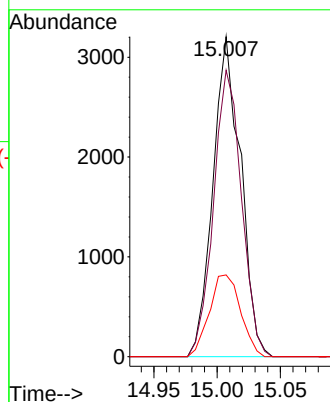
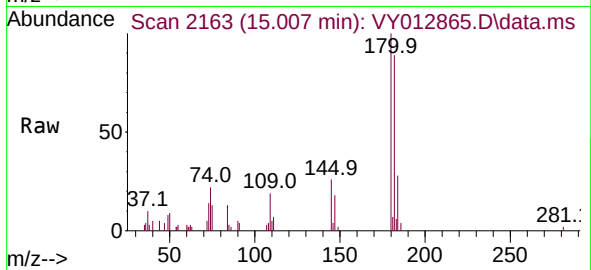
Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.7	140.1
145	28.8	14.6	43.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 03/09/2023

Supervised By :Mahesh Dadoda 03/09/2023



#94

Hexachlorobutadiene

Concen: 4.492 ug/l

RT: 15.117 min Scan# 2181

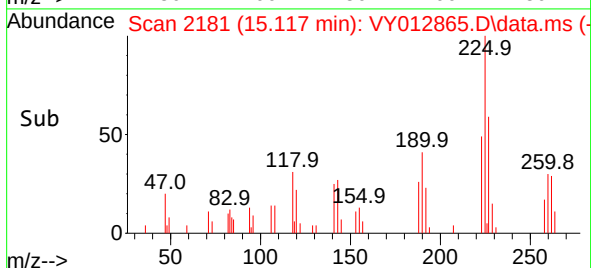
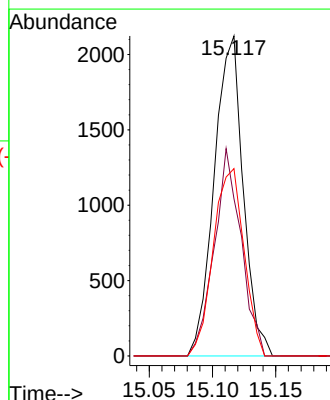
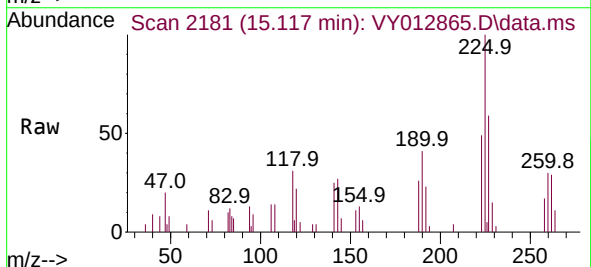
Delta R.T. 0.006 min

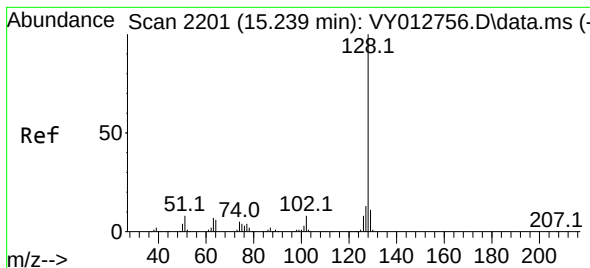
Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:225 Resp: 3375

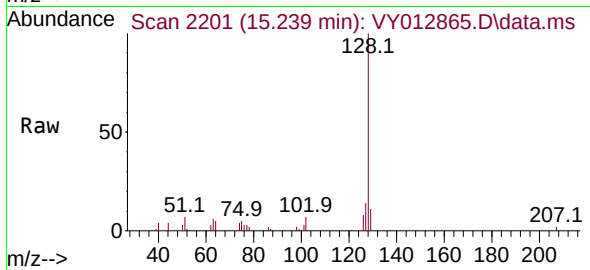
Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.1	93.3
227	62.2	32.4	97.0





#95
Naphthalene
Concen: 3.347 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

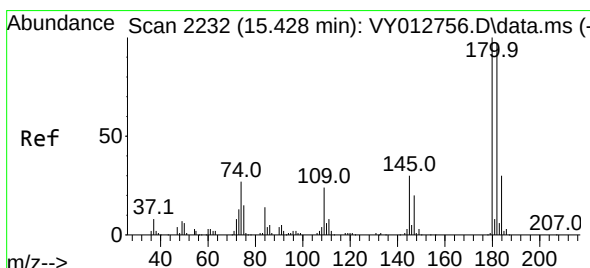
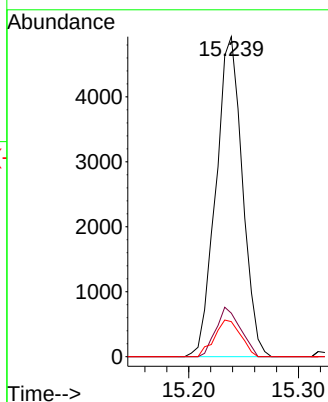
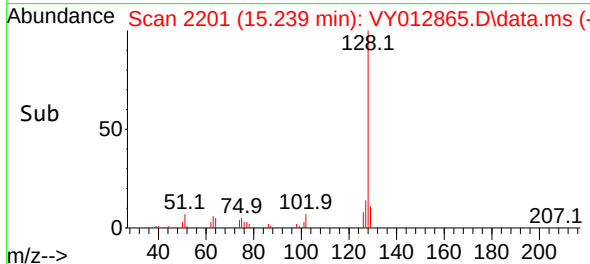
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022



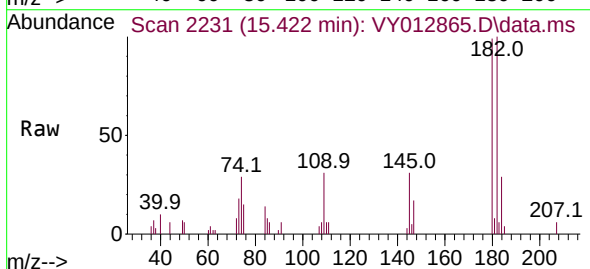
Tgt Ion:128 Resp: 826
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 11.3 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 03/09/2023
Supervised By :Mahesh Dadoda 03/09/2023



#96
1,2,3-Trichlorobenzene
Concen: 3.680 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54



Tgt Ion:180 Resp: 4032
Ion Ratio Lower Upper
180 100
182 99.2 47.4 142.3
145 31.3 15.3 45.8

