

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111524\
 Data File : VW031024.D
 Acq On : 15 Nov 2024 14:24
 Operator : SY/MD
 Sample : P4776-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 16 00:36:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 16 00:35:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/17/2024
 Supervised By :Mahesh Dadoda 11/19/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	296495	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	273558	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	131728	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	65373	13.444	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	53.760%		
7) Chloroethane-d5	2.899	69	57594	15.443	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	61.760%		
11) 1,1-Dichloroethene-d2	4.021	65	33884	16.887	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	67.560%		
21) 2-Butanone-d5	7.075	46	49028	61.266	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.540%		
24) Chloroform-d	7.648	84	185038	21.170	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	84.680%		
26) 1,2-Dichloroethane-d4	8.306	65	98149	22.584	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.320%		
32) Benzene-d6	8.276	84	358391	21.088	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	84.360%		
36) 1,2-Dichloropropane-d6	9.270	67	112515	22.458	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.840%		
41) Toluene-d8	10.324	98	313231	20.548	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	82.200%		
43) trans-1,3-Dichloroprop...	10.574	79	42492	20.924	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.680%		
47) 2-Hexanone-d5	10.922	63	39696	61.138	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.280%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	100742	28.862	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	115.440%		
66) 1,2-Dichlorobenzene-d4	13.848	152	117488	24.485	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	2861	0.906	ug/L #	83
3) Chloromethane	2.216	50	4112	0.966	ug/L	93
5) Vinyl chloride	2.375	62	5302	1.051	ug/L	85
6) Bromomethane	2.789	94	3374	1.019	ug/L	91
8) Chloroethane	2.935	64	3176	1.039	ug/L	99
9) Trichlorofluoromethane	3.271	101	4822	1.048	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	4.075	101	6575m	1.552	ug/L	
12) 1,1-Dichloroethene	4.039	96	5458	1.424	ug/L #	1
14) Carbon disulfide	4.380	76	11562	0.918	ug/L	99
15) Methyl Acetate	4.679	43	2484m	1.733	ug/L	
16) Methylene chloride	4.923	84	8818	2.104	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	4827m	1.148	ug/L	
18) Methyl tert-butyl Ether	5.423	73	7346	1.295	ug/L #	87
19) 1,1-Dichloroethane	6.215	63	9915	1.264	ug/L	95
20) cis-1,2-Dichloroethene	7.166	96	5621	1.260	ug/L	94
22) 2-Butanone	7.185	43	5405m	4.938	ug/L	
23) Bromochloromethane	7.520	128	2861	1.465	ug/L #	82
25) Chloroform	7.678	83	11064	1.340	ug/L	96
27) 1,2-Dichloroethane	8.404	62	6641	1.292	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	5924	0.904	ug/L	95
30) 1,1,1-Trichloroethane	7.867	97	8264m	1.176	ug/L	
31) Carbon tetrachloride	8.063	117	7781	1.232	ug/L	97
33) Benzene	8.325	78	21695	1.230	ug/L	100
34) Trichloroethene	9.093	95	6048	1.244	ug/L	96
35) Methylcyclohexane	9.331	83	8004	1.039	ug/L	100
37) 1,2-Dichloropropane	9.367	63	5897	1.338	ug/L #	96
38) Bromodichloromethane	9.648	83	7706	1.332	ug/L #	97
39) cis-1,3-Dichloropropene	10.068	75	8062	1.223	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	5557	2.758	ug/L	99
42) Toluene	10.385	91	23654	1.267	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	8867	1.619	ug/L	94
45) 1,1,2-Trichloroethane	10.788	97	4382	1.385	ug/L	93
46) Tetrachloroethene	10.861	164	4468	1.202	ug/L	95
48) 2-Hexanone	10.964	43	4290m	2.798	ug/L	
49) Dibromochloromethane	11.123	129	4881	1.415	ug/L	90
50) 1,2-Dibromoethane	11.239	107	4158	1.425	ug/L	92
51) Chlorobenzene	11.653	112	15642	1.309	ug/L	88
52) Ethylbenzene	11.727	91	22986	1.090	ug/L	99
53) m,p-Xylene	11.836	106	8179	1.031	ug/L	99
54) o-Xylene	12.159	106	7613	1.043	ug/L	98
55) Styrene	12.178	104	12385	0.993	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	5836	1.691	ug/L #	95
59) Bromoform	12.348	173	2753	1.464	ug/L #	96
60) Isopropylbenzene	12.458	105	19290	0.960	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	3965	1.605	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	15198	0.961	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	13993	0.908	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	11100	1.258	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	12411	1.370	ug/L	94
67) 1,2-Dichlorobenzene	13.866	146	11409	1.451	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.470	75	883m	1.689	ug/L	
69) 1,3,5-Trichlorobenzene	14.622	180	7749	1.324	ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	5521	1.188	ug/L	96
71) Naphthalene	15.360	128	8734	1.159	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	5489	1.370	ug/L	90

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

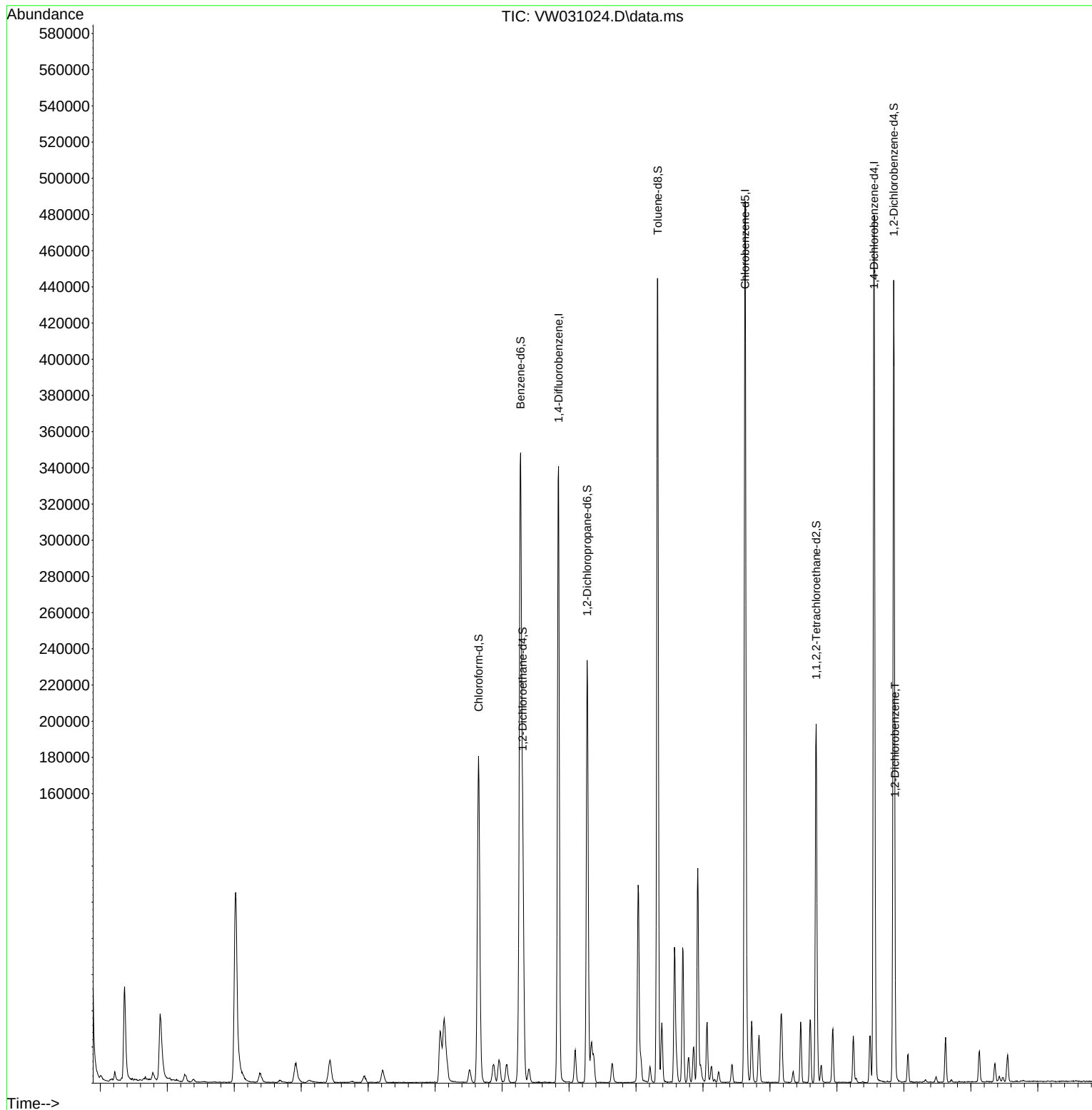
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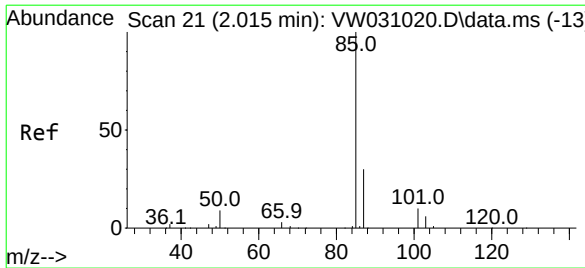
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ClientSampleId :
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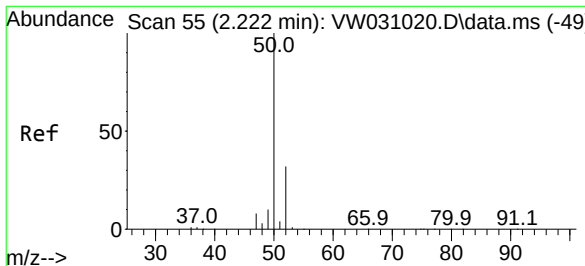
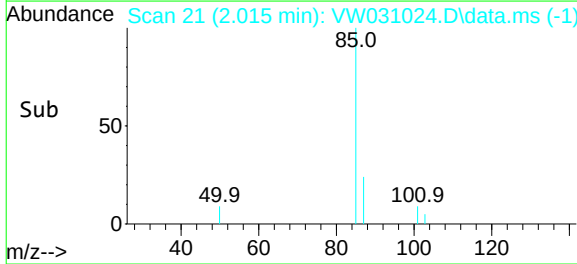
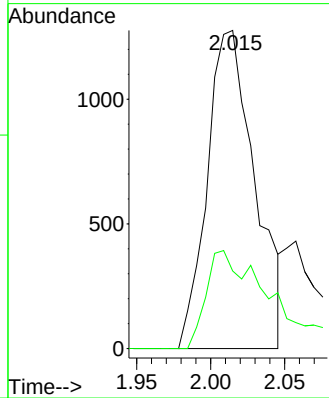
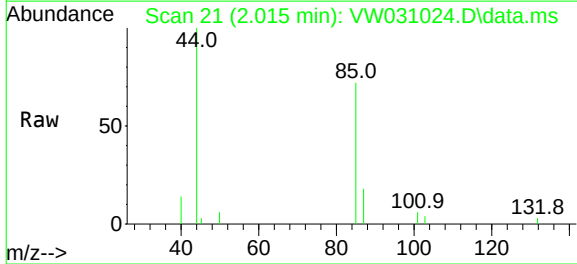
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Dichlorodifluoromethane
Concen: 0.906 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion: 85 Resp: 2861
Ion Ratio Lower Upper
85 100
87 21.2 24.2 36.4#

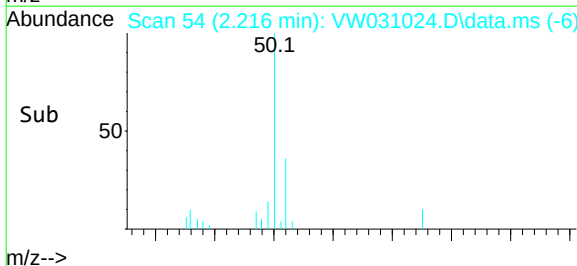
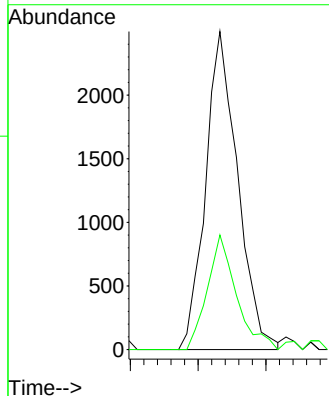
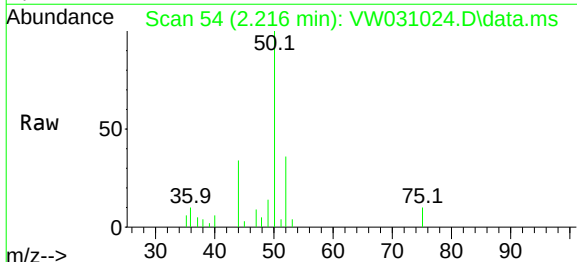
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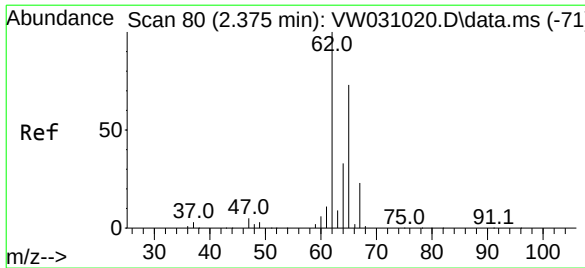
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#3
Chloromethane
Concen: 0.966 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion: 50 Resp: 4112
Ion Ratio Lower Upper
50 100
52 36.0 22.5 41.9





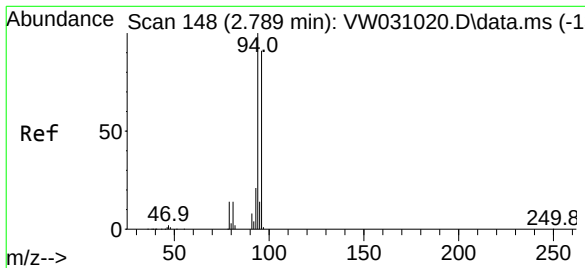
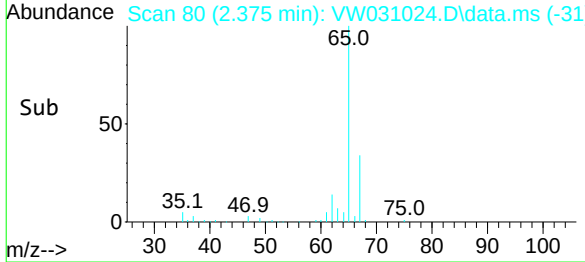
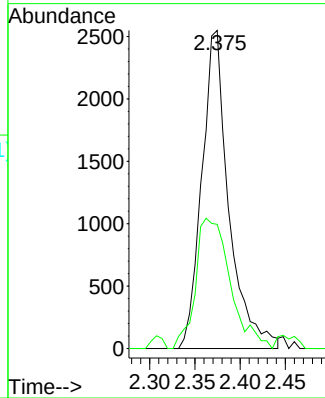
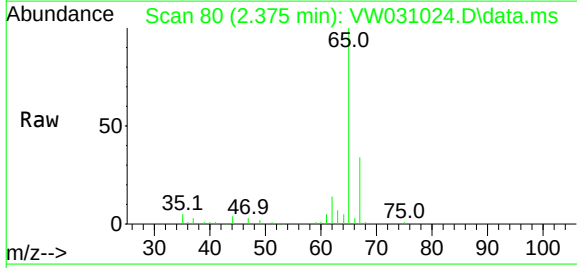
#5
 Vinyl chloride
 Concen: 1.051 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Tgt Ion: 62 Resp: 5302
 Ion Ratio Lower Upper
 62 100
 64 39.0 21.7 40.3

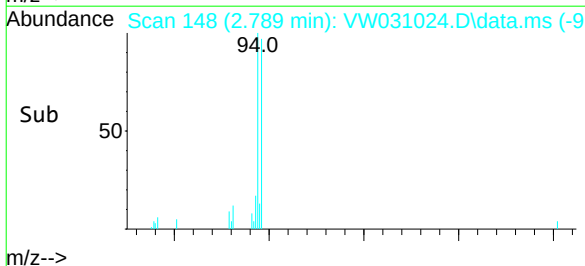
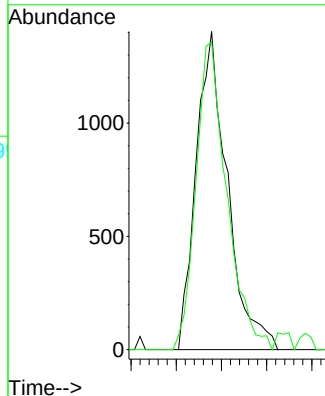
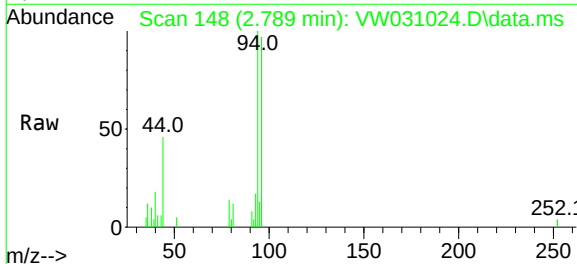
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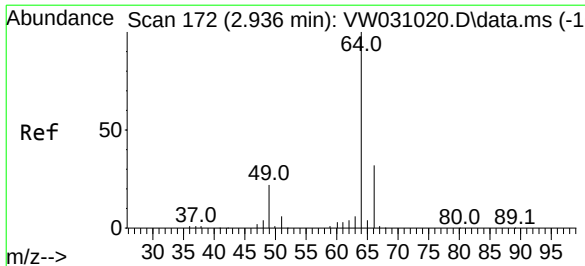
Reviewed By :Romaben Patel 11/17/2024
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#6
 Bromomethane
 Concen: 1.019 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Tgt Ion: 94 Resp: 3374
 Ion Ratio Lower Upper
 94 100
 96 96.7 61.6 114.4





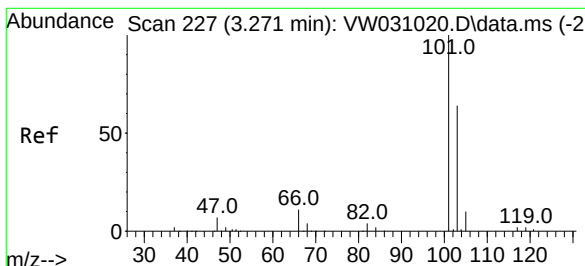
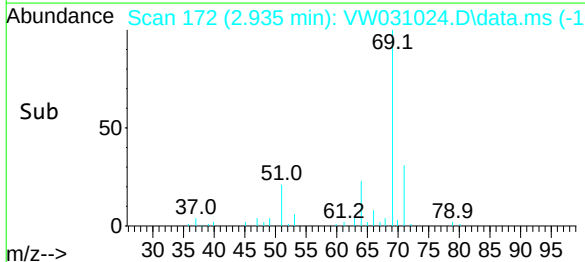
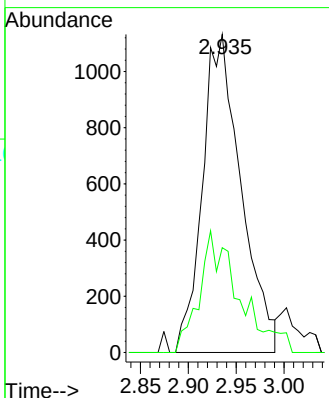
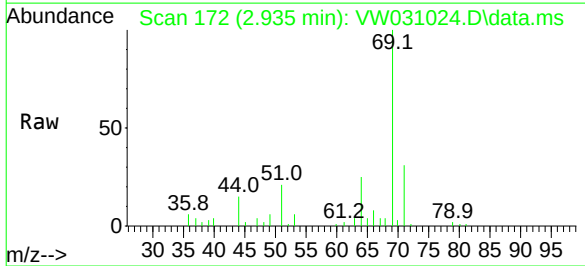
#8
Chloroethane
Concen: 1.039 ug/L
RT: 2.935 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 64 Resp: 3176
Ion Ratio Lower Upper
64 100
66 33.0 23.5 43.7

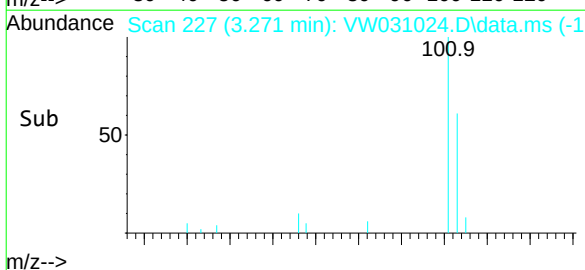
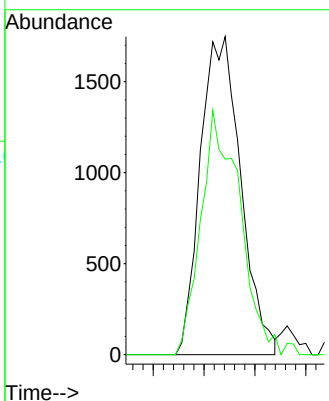
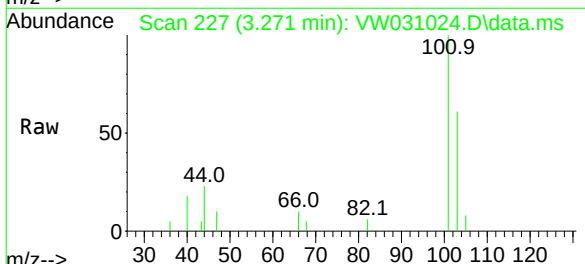
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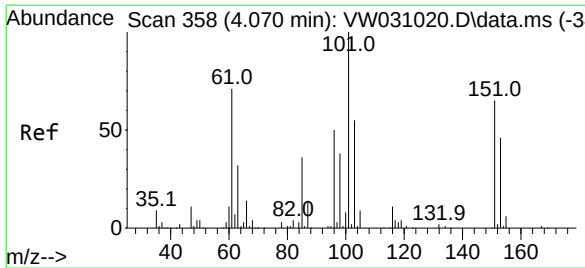
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#9
Trichlorofluoromethane
Concen: 1.048 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion:101 Resp: 4822
Ion Ratio Lower Upper
101 100
103 73.8 51.8 77.6





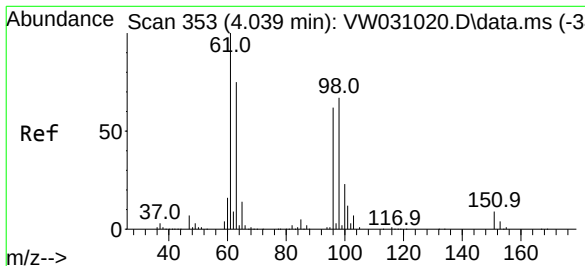
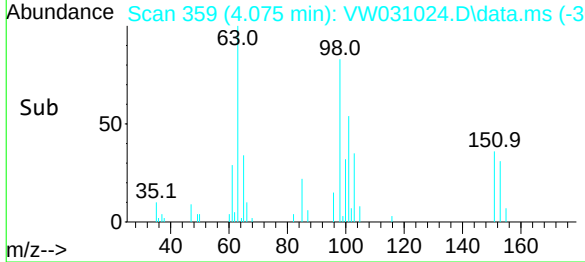
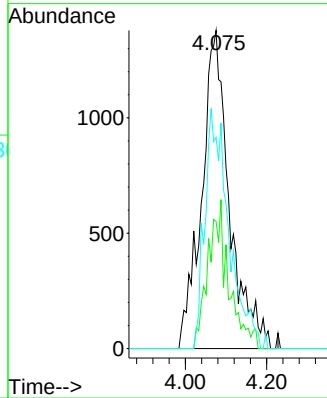
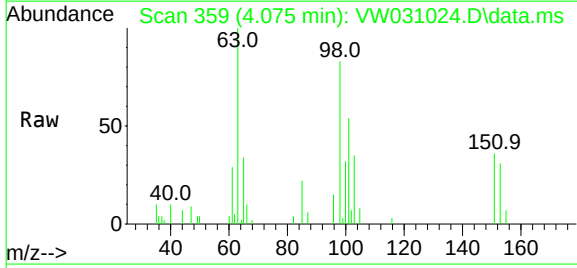
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.552 ug/L m
RT: 4.075 min Scan# 358
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 101 Resp: 6575
Ion Ratio Lower Upper
101 100
85 4.8 32.9 49.3#
151 6.8 51.0 76.6#

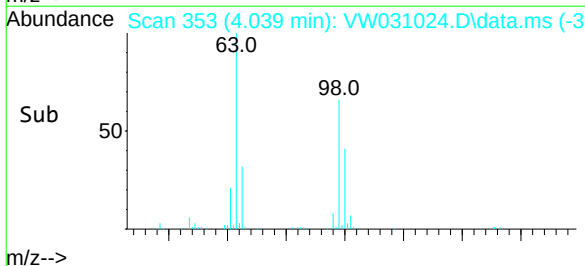
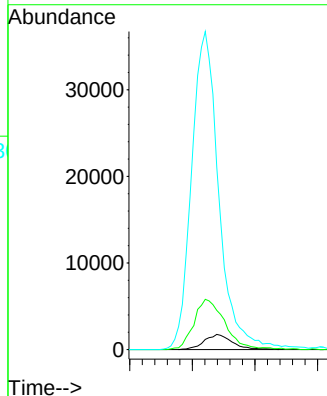
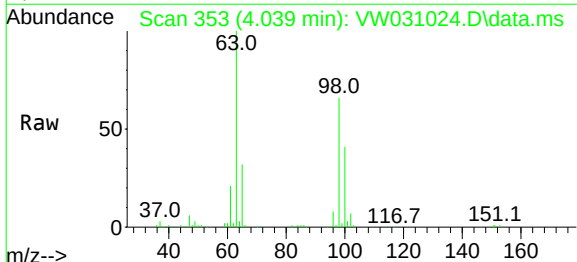
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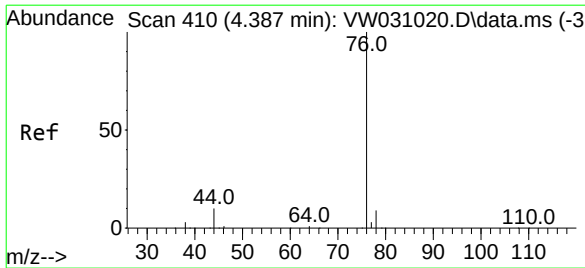
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#12
1,1-Dichloroethene
Concen: 1.424 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion: 96 Resp: 5458
Ion Ratio Lower Upper
96 100
61 258.3 118.9 220.7#
63 1203.9 97.8 181.6#





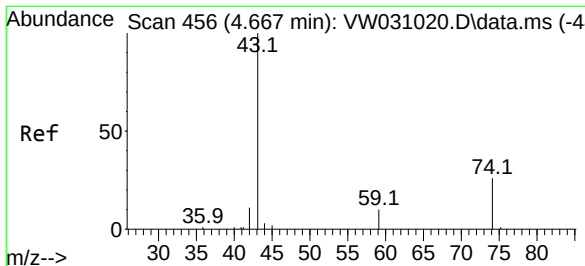
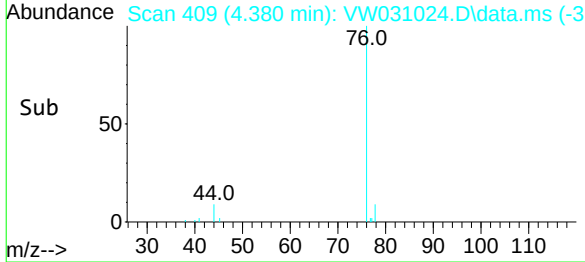
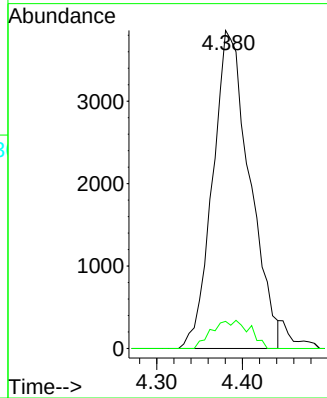
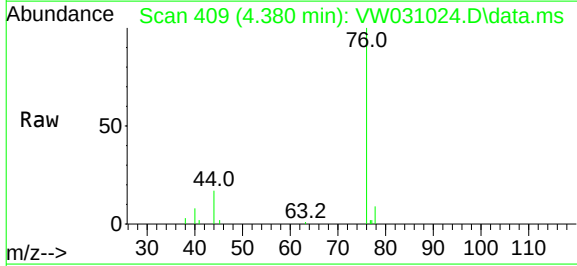
#14
Carbon disulfide
Concen: 0.918 ug/L
RT: 4.380 min Scan# 409
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

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Tgt Ion: 76 Resp: 11562
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

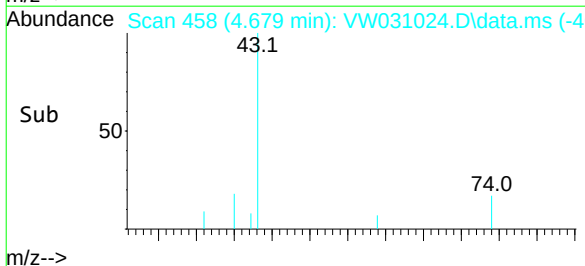
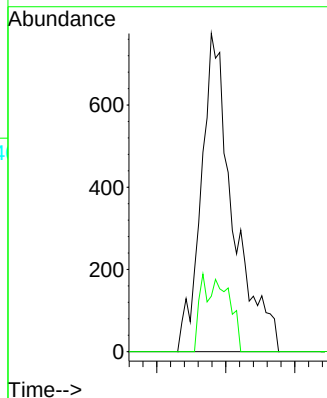
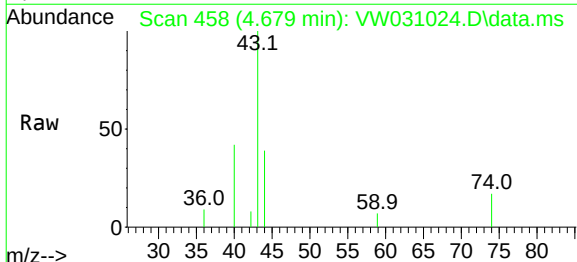
Manual Integrations
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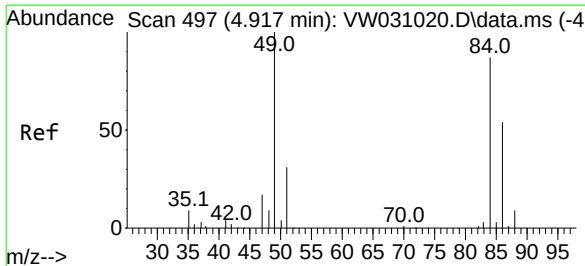
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#15
Methyl Acetate
Concen: 1.733 ug/L m
RT: 4.679 min Scan# 458
Delta R.T. 0.012 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

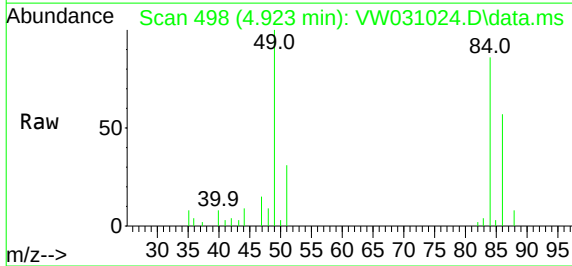
Tgt Ion: 43 Resp: 2484
Ion Ratio Lower Upper
43 100
74 6.4 20.2 30.2#





#16
Methylene chloride
Concen: 2.104 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

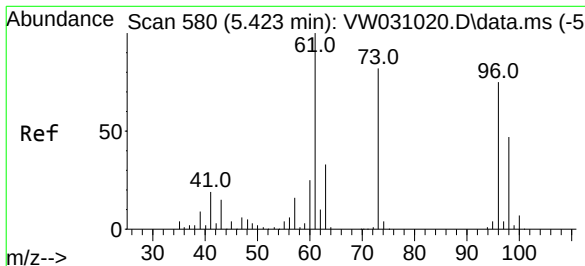
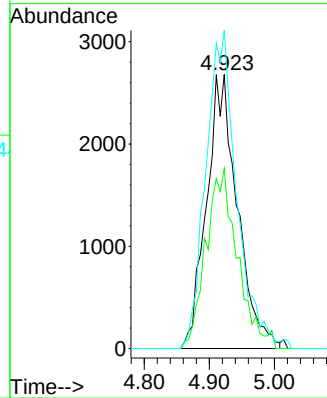
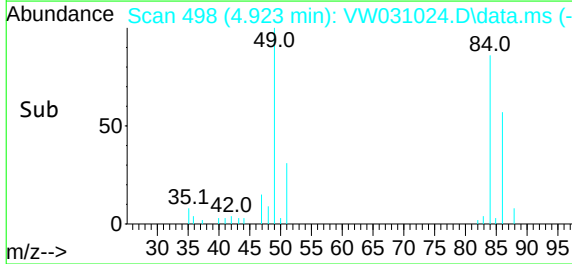
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
84	100		
86	65.7	41.8	77.6
49	116.0	82.8	153.8

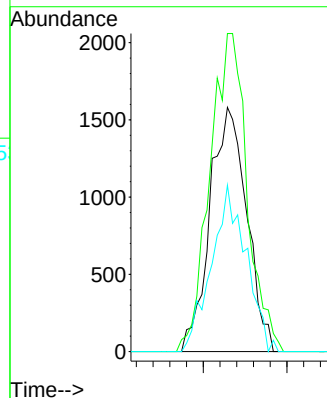
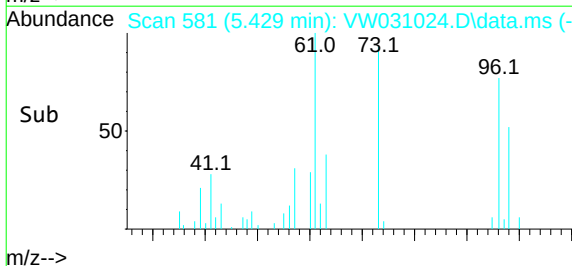
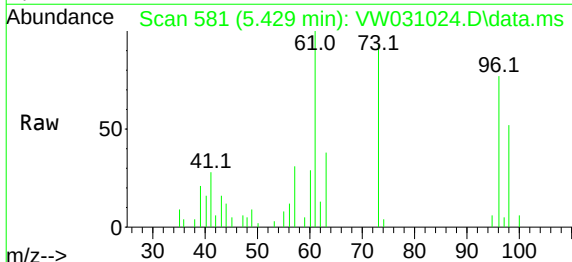
Manual Integrations
APPROVED

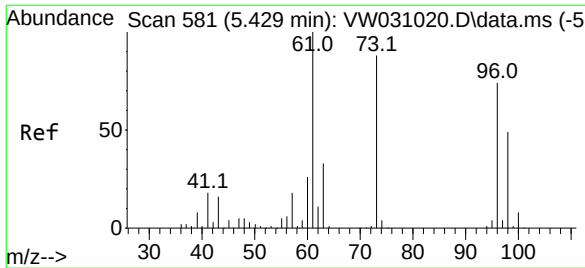
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#17
trans-1,2-Dichloroethene
Concen: 1.148 ug/L m
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.2	95.2	176.8
98	68.1	42.6	79.2





#18

Methyl tert-butyl Ether

Concen: 1.295 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA_W

ClientSampleId :

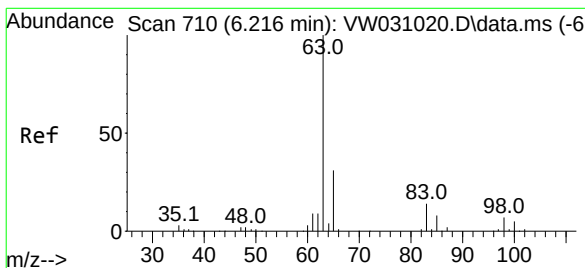
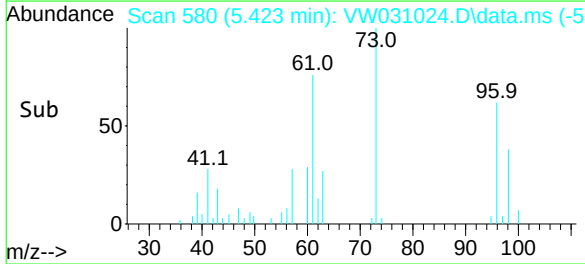
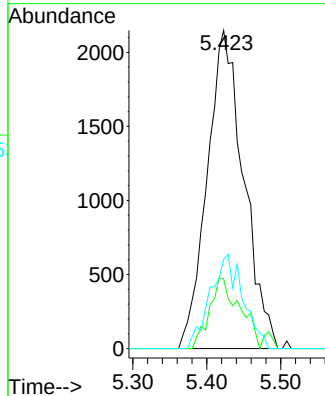
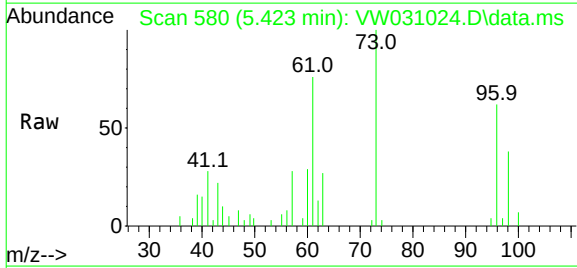
MDL-SOIL-QT4-2024-08

Tgt Ion: 73	Resp: 7346
Ion Ratio	Lower Upper
73 100	
43 12.8	16.2 24.2
57 26.5	17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#19

1,1-Dichloroethane

Concen: 1.264 ug/L

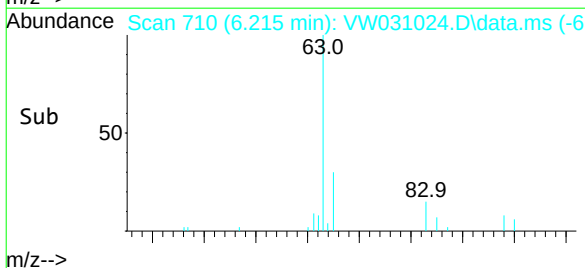
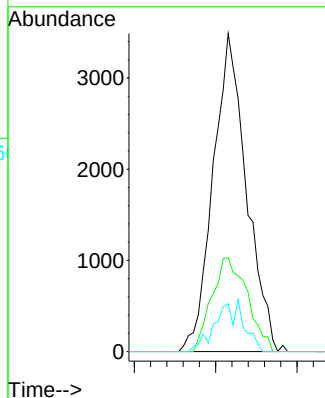
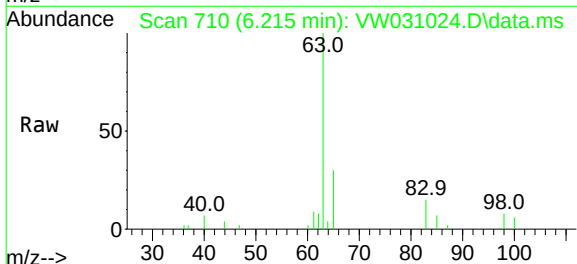
RT: 6.215 min Scan# 710

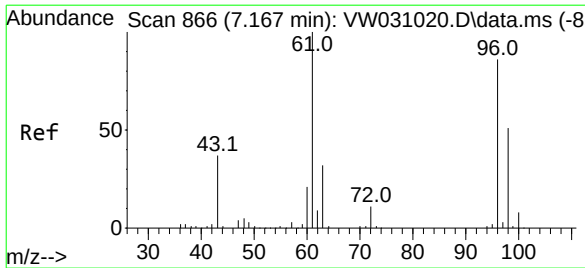
Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 63	Resp: 9915
Ion Ratio	Lower Upper
63 100	
65 29.5	23.0 42.8
83 15.1	9.8 18.2





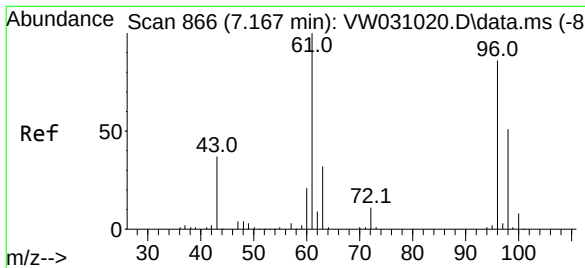
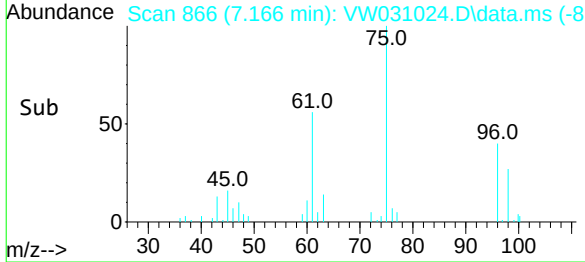
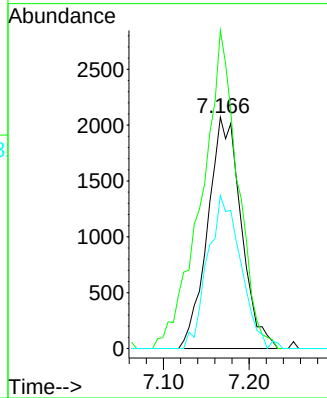
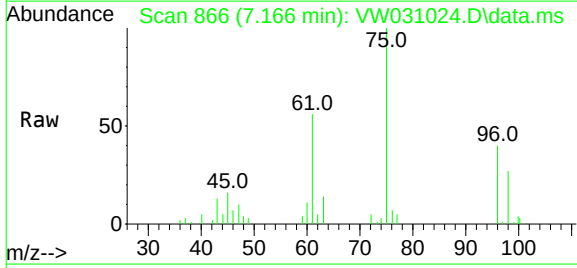
#20
cis-1,2-Dichloroethene
Concen: 1.260 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion: 96	Resp: 5621
Ion Ratio	Lower Upper
96 100	
61 137.5	89.2 165.8
98 66.2	45.1 83.9

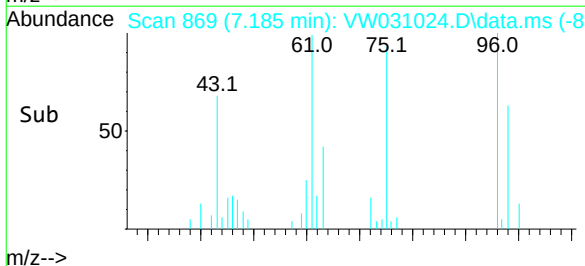
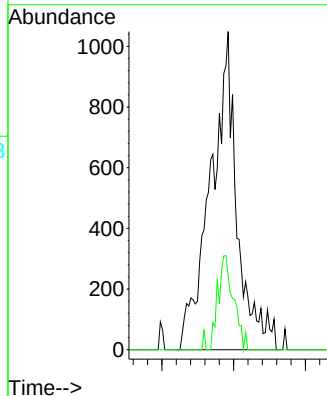
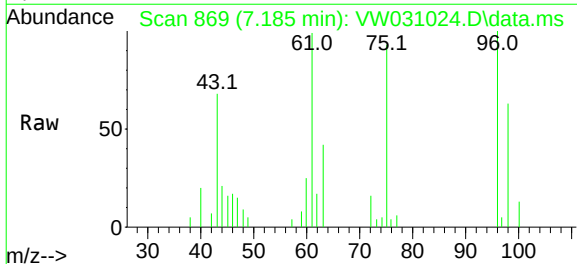
Manual Integrations
APPROVED

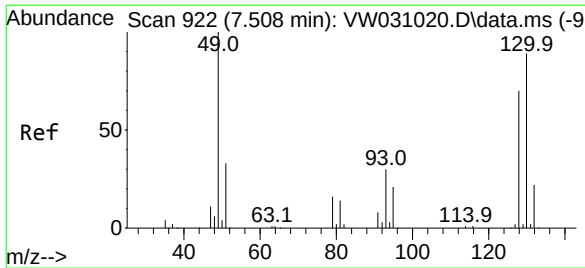
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#22
2-Butanone
Concen: 4.938 ug/L m
RT: 7.185 min Scan# 869
Delta R.T. 0.018 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

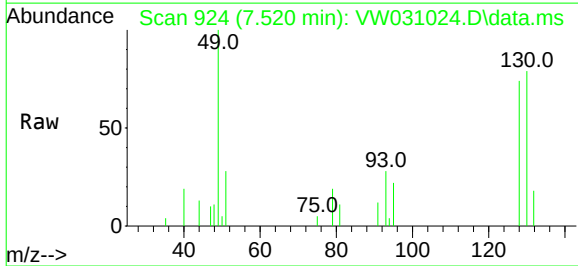
Tgt Ion: 43	Resp: 5405
Ion Ratio	Lower Upper
43 100	
72 16.9	14.5 43.6





#23
Bromochloromethane
Concen: 1.465 ug/L
RT: 7.520 min Scan# 92
Delta R.T. 0.012 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

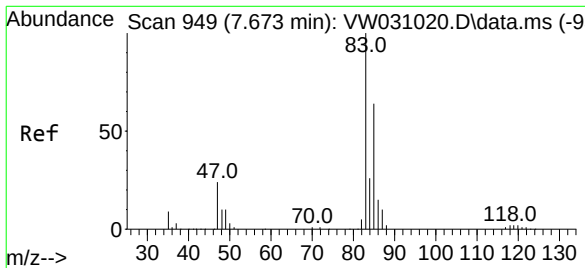
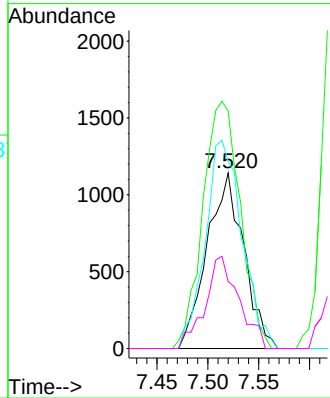
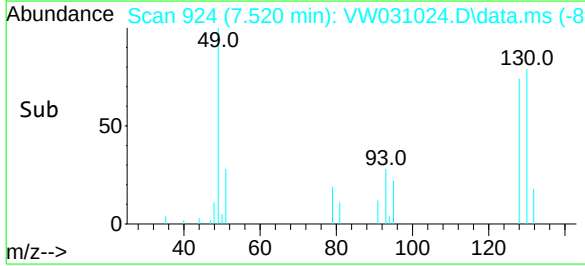
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08



Tgt Ion	Ratio	Lower	Upper
128	100		
49	135.3	112.4	208.8
130	106.7	86.2	160.0
51	38.2	42.1	63.1#

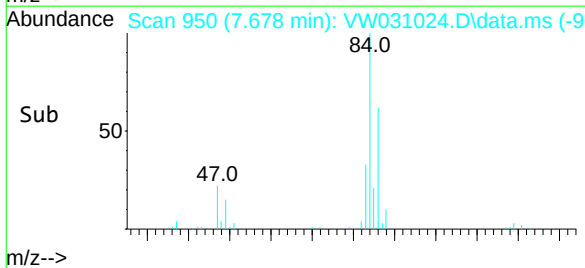
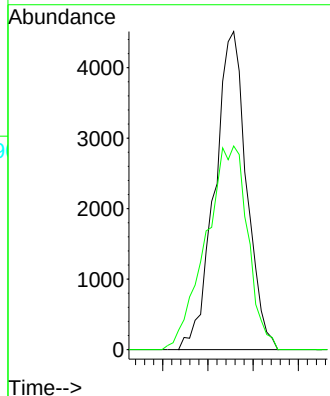
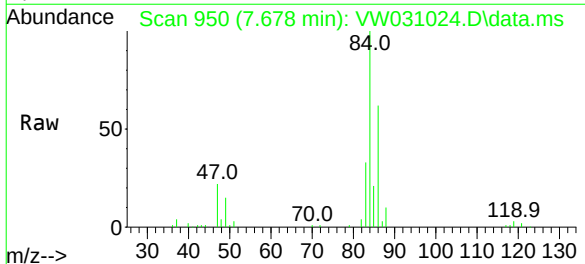
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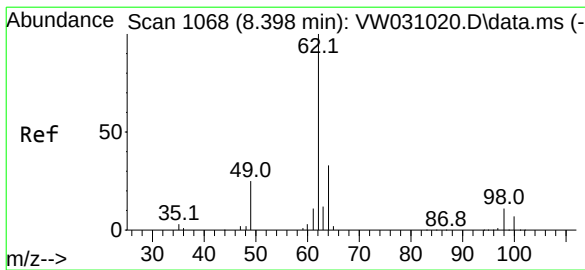
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#25
Chloroform
Concen: 1.340 ug/L
RT: 7.678 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	47.2	87.6





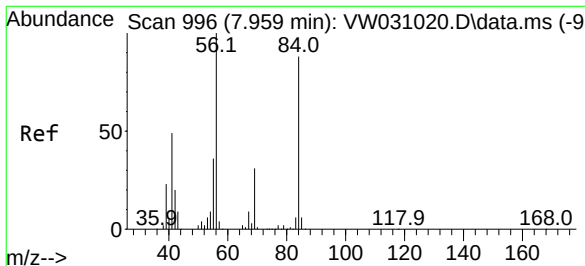
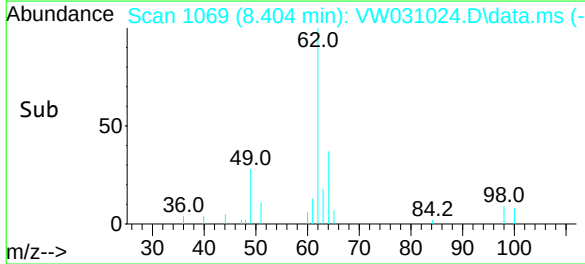
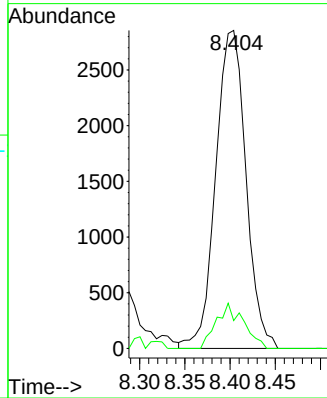
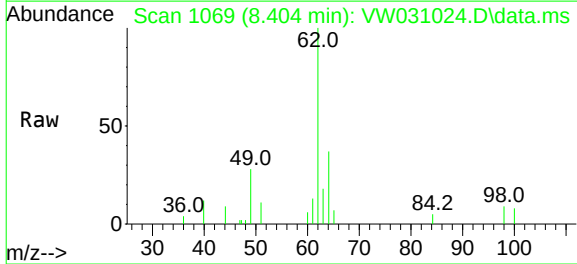
#27
1,2-Dichloroethane
Concen: 1.292 ug/L
RT: 8.404 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 62 Resp: 6641
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7

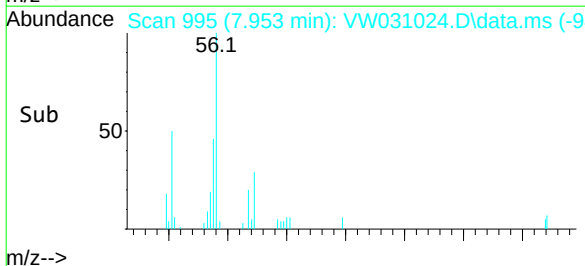
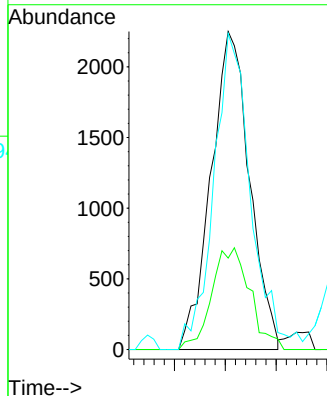
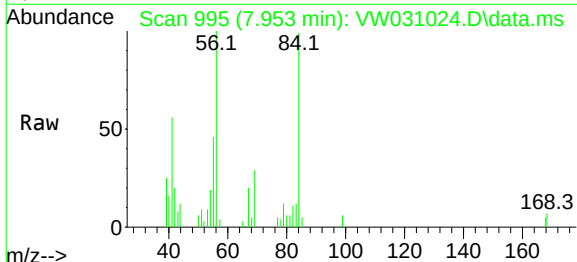
Manual Integrations
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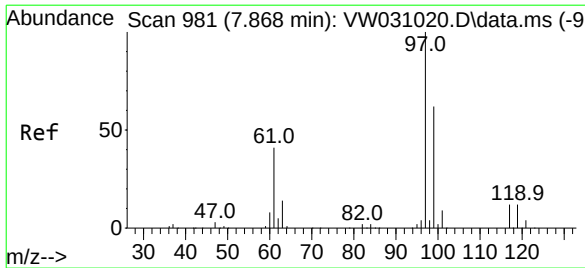
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#29
Cyclohexane
Concen: 0.904 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion: 56 Resp: 5924
Ion Ratio Lower Upper
56 100
69 30.7 24.8 37.2
84 93.4 69.5 104.3





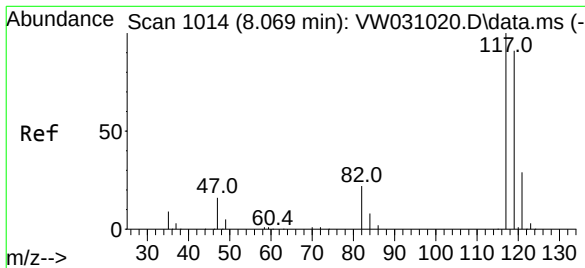
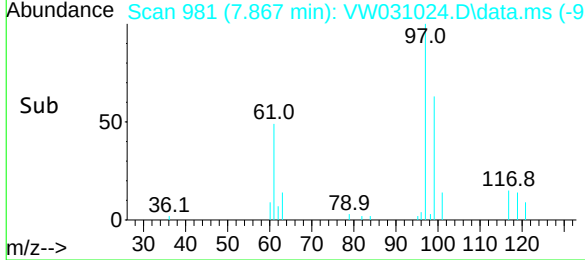
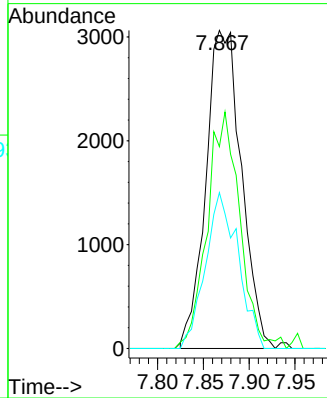
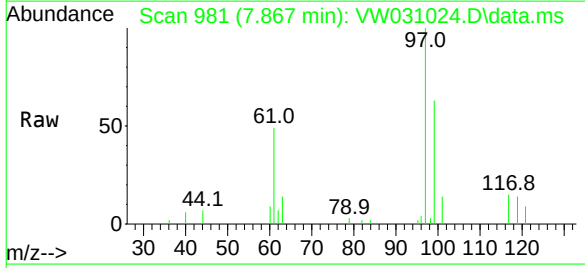
#30
1,1,1-Trichloroethane
Concen: 1.176 ug/L m
RT: 7.867 min Scan# 981
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.3	76.9
61	45.2	36.2	54.4

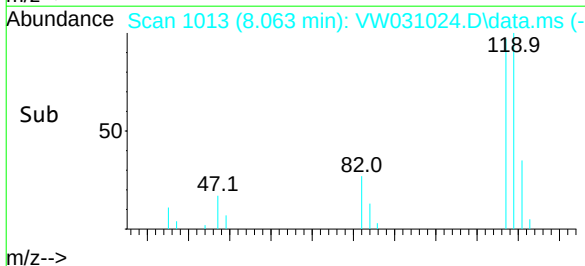
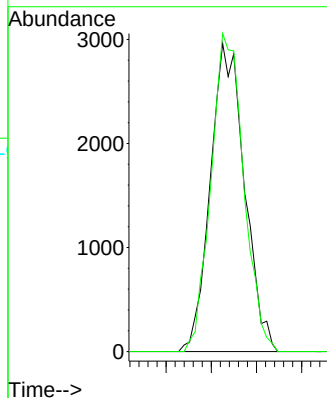
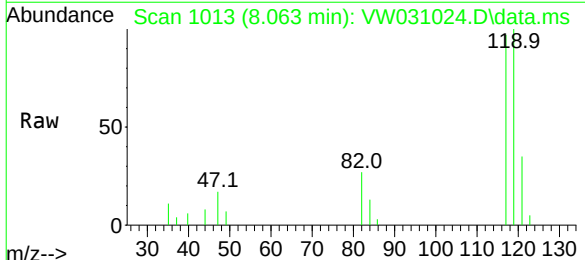
Manual Integrations
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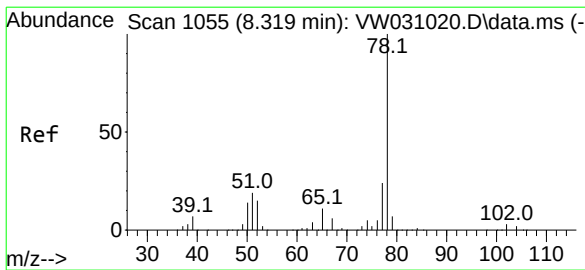
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#31
Carbon tetrachloride
Concen: 1.232 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.2	114.2





#33

Benzene

Concen: 1.230 ug/L

RT: 8.325 min Scan# 10

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 78 Resp: 21695

Instrument :

MSVOA_W

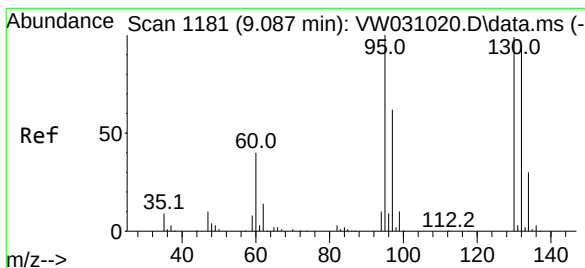
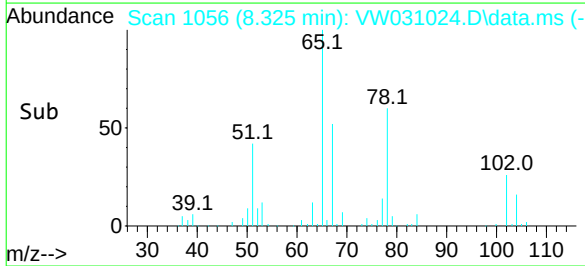
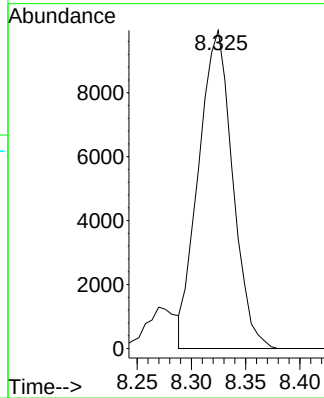
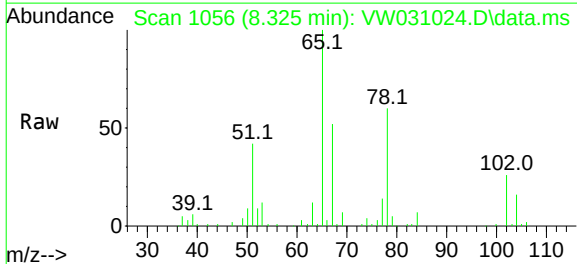
ClientSampleId :

MDL-SOIL-QT4-2024-08

Manual Integrations

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Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#34

Trichloroethene

Concen: 1.244 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 95 Resp: 6048

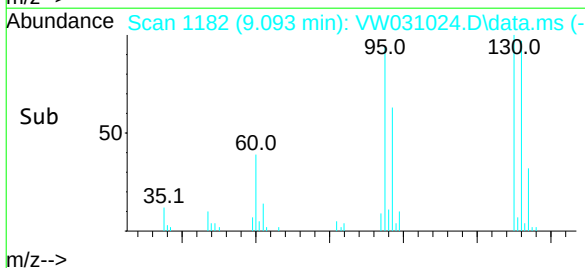
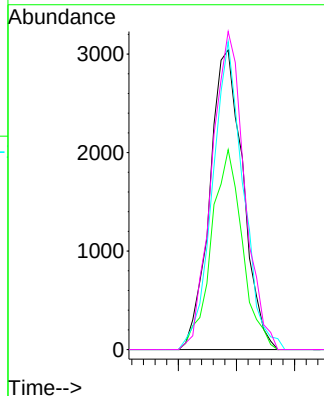
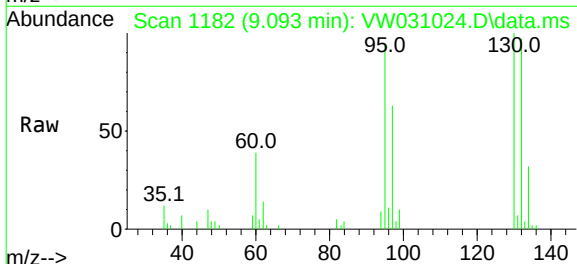
Ion Ratio Lower Upper

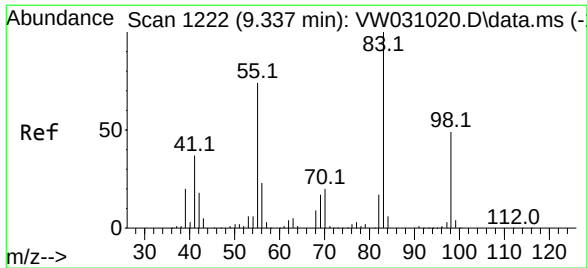
95 100

97 66.7 48.9 90.7

132 102.8 67.7 125.7

130 106.2 73.1 135.8





#35

Methylcyclohexane

Concen: 1.039 ug/L

RT: 9.331 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA_W

ClientSampleId :

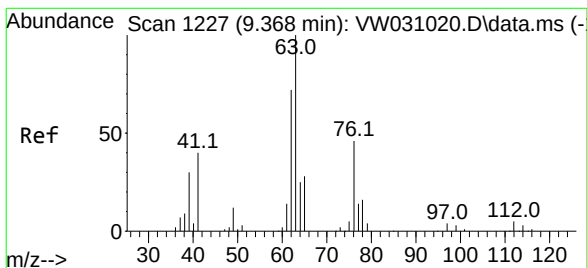
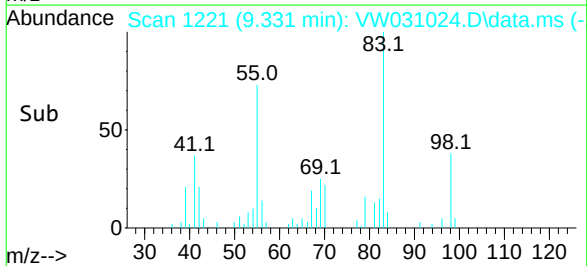
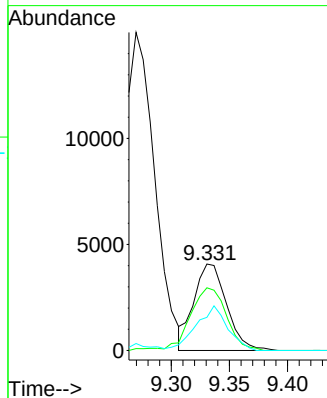
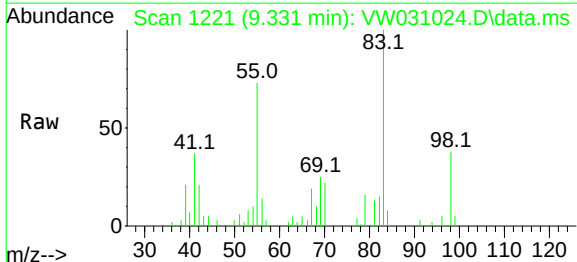
MDL-SOIL-QT4-2024-08

Tgt Ion:	83	Resp:	8004
Ion Ratio	Lower	Upper	
83	100		
55	78.6	62.8	94.2
98	49.7	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#37

1,2-Dichloropropane

Concen: 1.338 ug/L

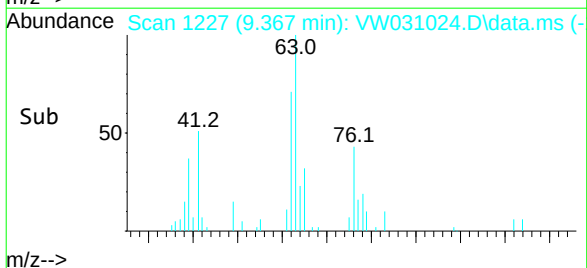
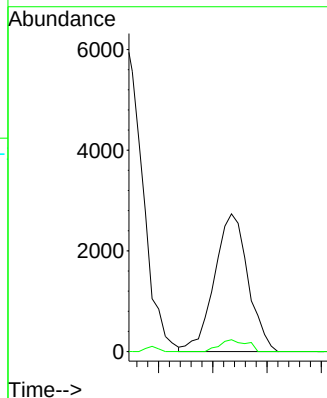
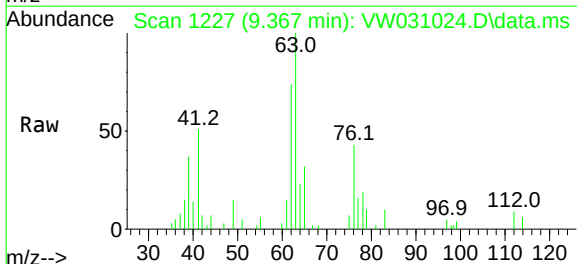
RT: 9.367 min Scan# 1227

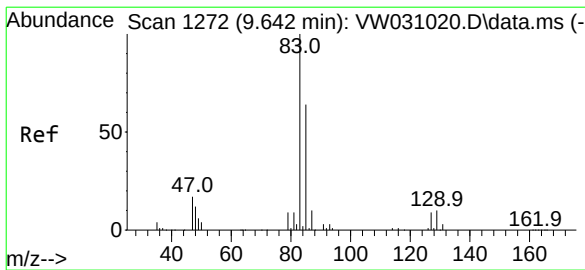
Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion:	63	Resp:	5897
Ion Ratio	Lower	Upper	
63	100		
112	5.9	3.5	5.3#





#38

Bromodichloromethane

Concen: 1.332 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA_W

ClientSampleId :

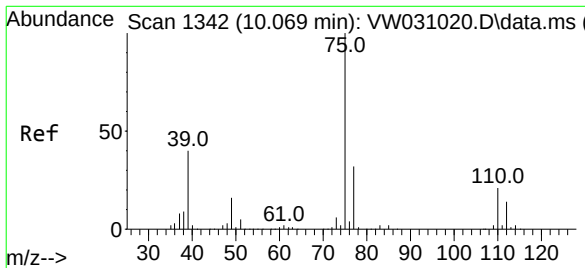
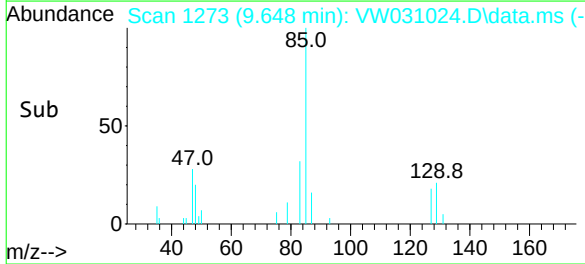
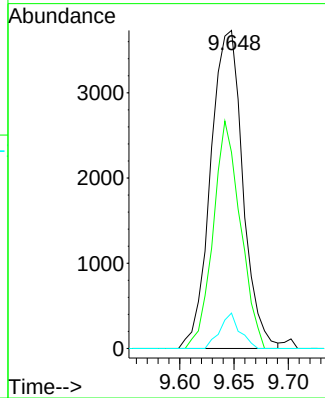
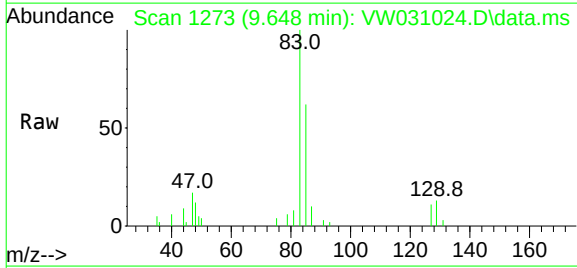
MDL-SOIL-QT4-2024-08

Tgt Ion:	83	Resp:	7706
Ion	Ratio	Lower	Upper
83	100		
85	61.7	44.1	81.9
127	11.1	6.4	9.6

Manual Integrations

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Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#39

cis-1,3-Dichloropropene

Concen: 1.223 ug/L

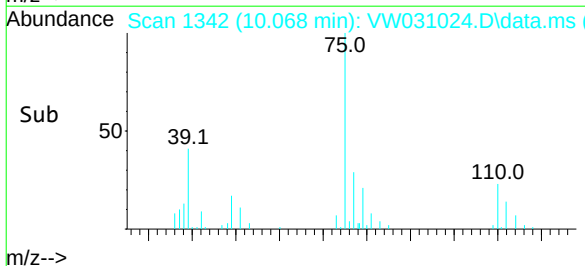
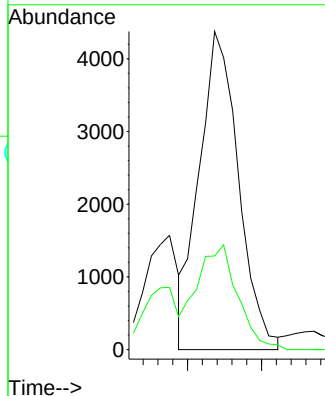
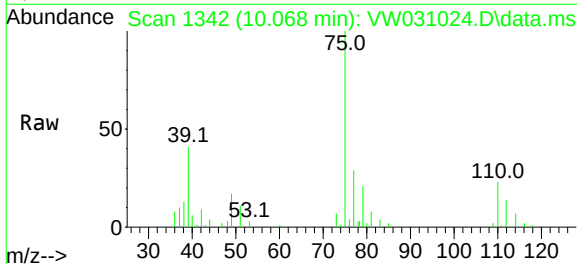
RT: 10.068 min Scan# 1342

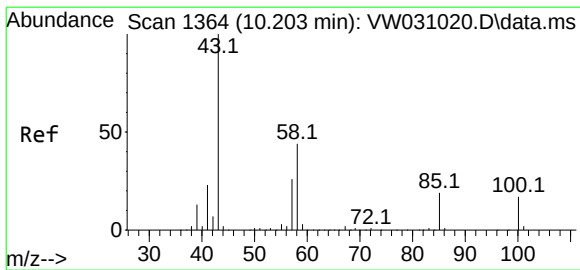
Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion:	75	Resp:	8062
Ion	Ratio	Lower	Upper
75	100		
77	29.4	21.3	39.6





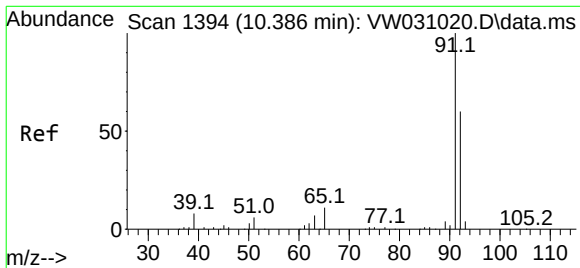
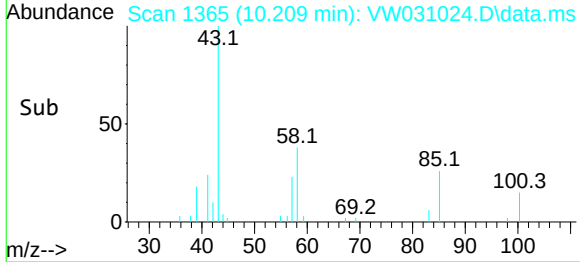
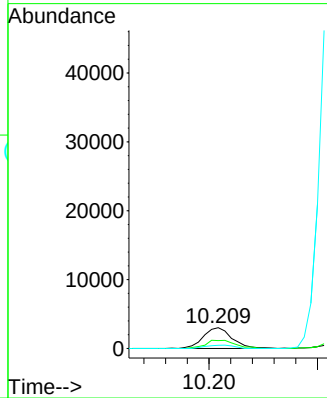
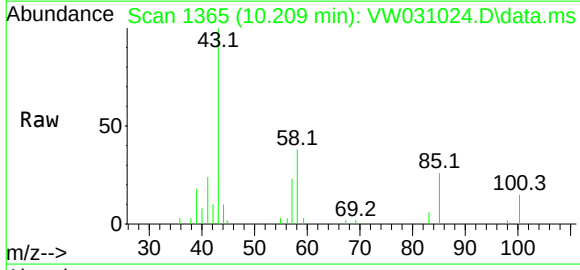
#40
 4-Methyl-2-pentanone
 Concen: 2.758 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.006 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:	43	Resp:	5557
Ion Ratio	Lower	Upper	
43	100		
58	40.7	32.2	48.4
100	15.6	13.3	19.9

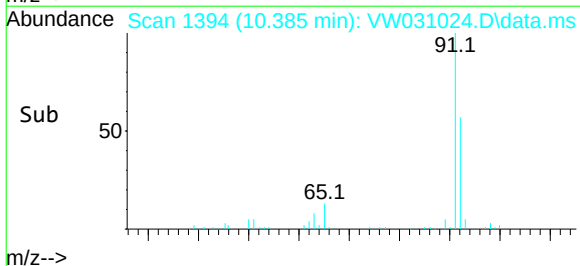
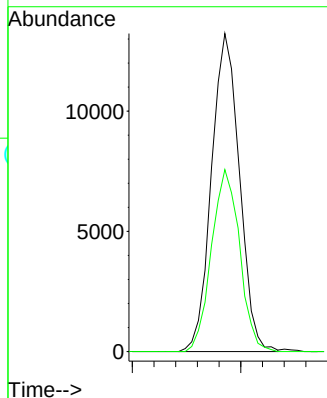
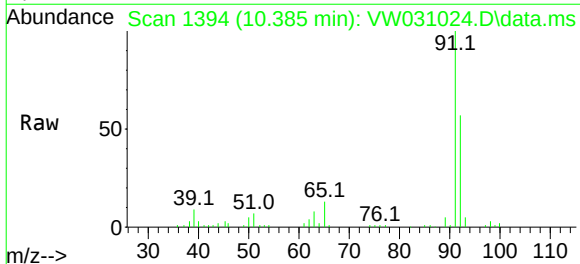
Manual Integrations
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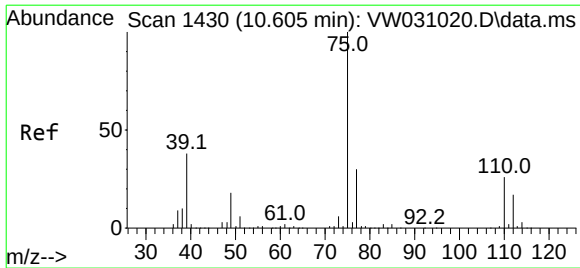
Reviewed By :Romaben Patel 11/17/2024
 Supervised By :Mahesh Dadoda 11/19/2024



#42
 Toluene
 Concen: 1.267 ug/L
 RT: 10.385 min Scan# 1394
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Tgt Ion:	91	Resp:	23654
Ion Ratio	Lower	Upper	
91	100		
92	57.2	39.4	73.2





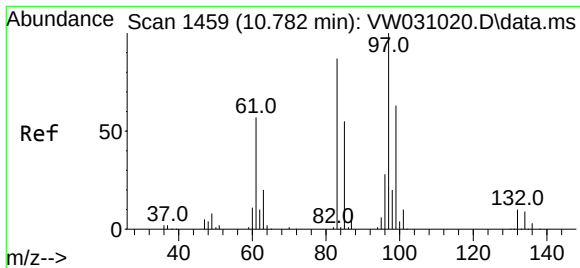
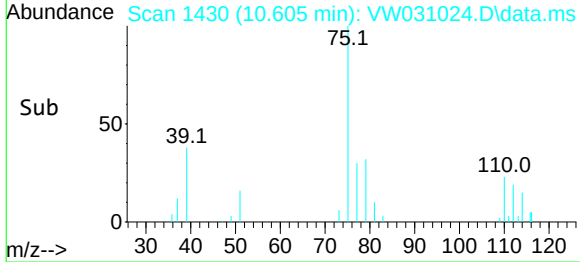
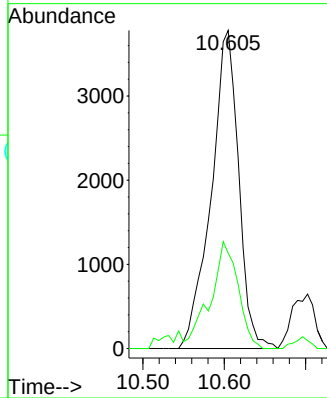
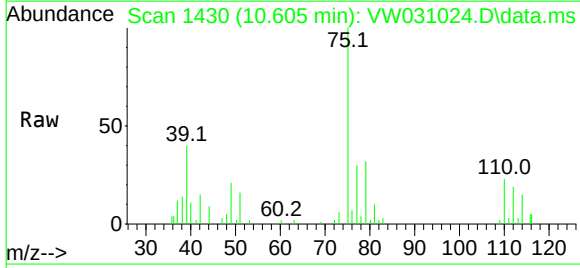
#44
trans-1,3-Dichloropropene
Concen: 1.619 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion: 75 Resp: 8867
Ion Ratio Lower Upper
75 100
77 30.0 23.6 43.8

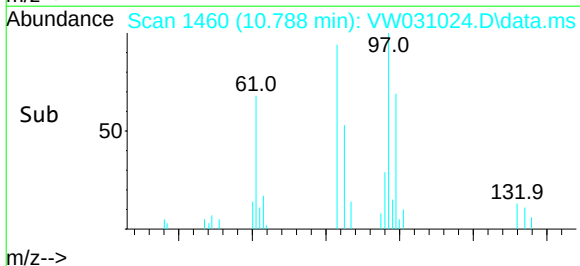
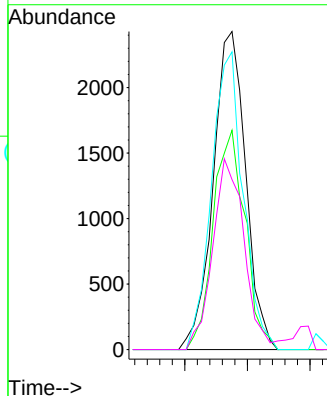
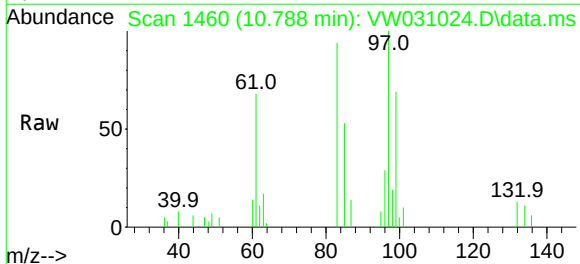
Manual Integrations
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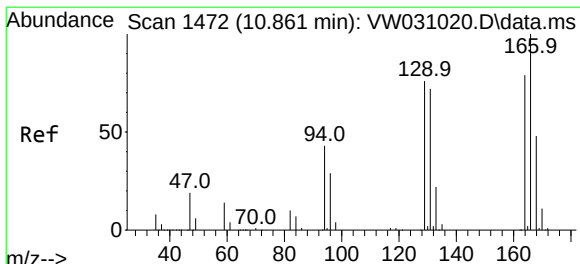
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#45
1,1,2-Trichloroethane
Concen: 1.385 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

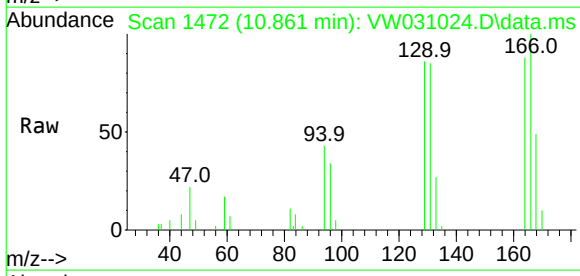
Tgt Ion: 97 Resp: 4382
Ion Ratio Lower Upper
97 100
99 68.9 42.8 79.4
83 93.6 60.6 112.6
85 53.5 37.1 68.9





#46
Tetrachloroethene
Concen: 1.202 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

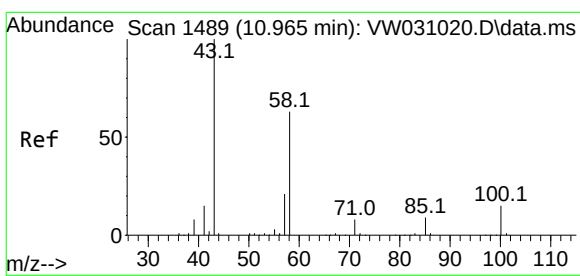
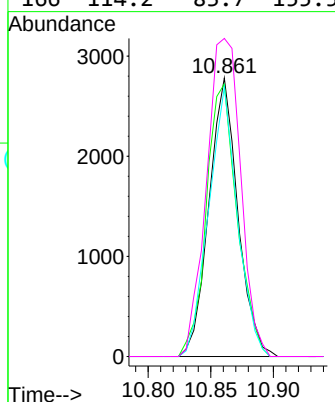
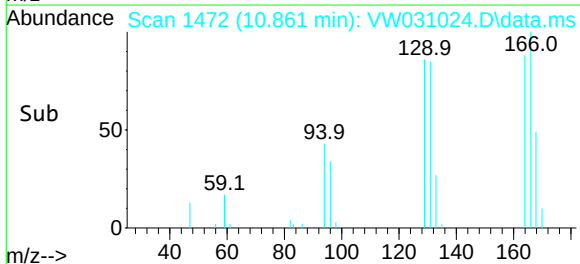
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08



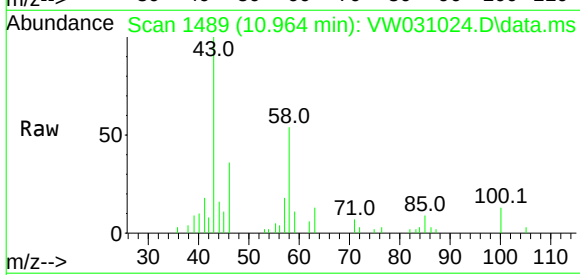
Tgt Ion:	164	Resp:	4468
Ion	Ratio	Lower	Upper
164	100		
129	97.8	71.1	132.1
131	96.8	62.6	116.3
166	114.2	83.7	155.5

Manual Integrations
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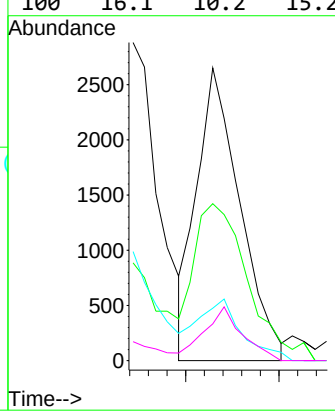
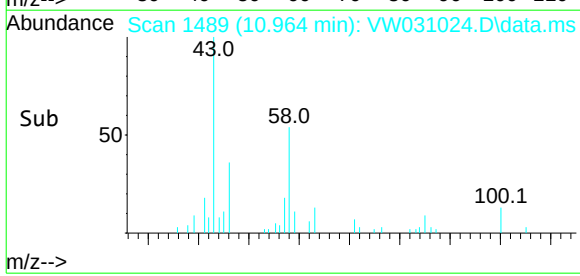
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024

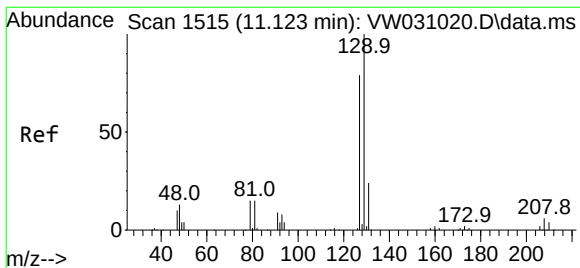


#48
2-Hexanone
Concen: 2.798 ug/L m
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24



Tgt Ion:	43	Resp:	4290
Ion	Ratio	Lower	Upper
43	100		
58	65.4	43.8	65.8
57	21.8	15.4	23.2
100	16.1	10.2	15.2





#49

Dibromochloromethane

Concen: 1.415 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion: 129 Resp: 4881

Ion Ratio Lower Upper

129 100

127 82.5 52.1 96.7

Instrument :

MSVOA_W

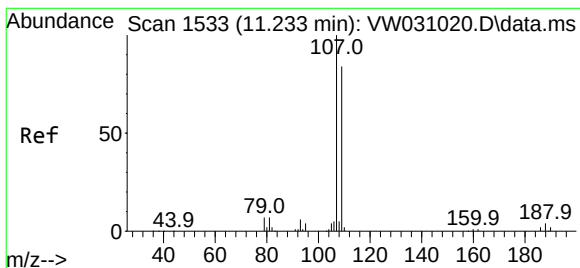
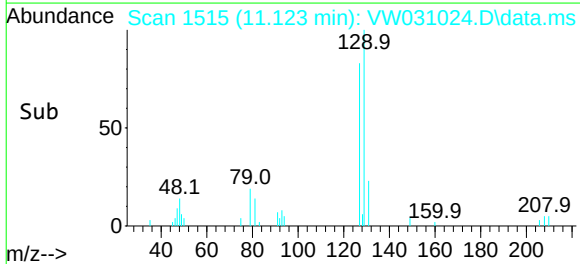
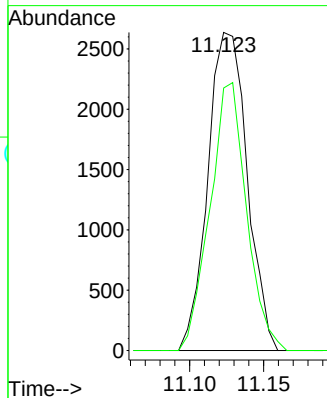
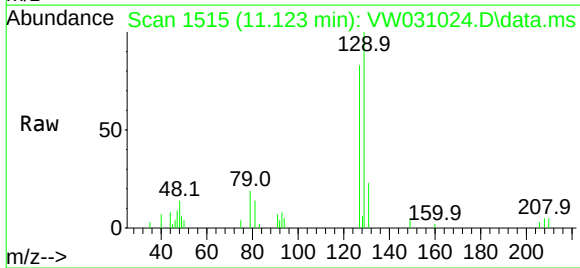
ClientSampleId :

MDL-SOIL-QT4-2024-08

Manual Integrations

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Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#50

1,2-Dibromoethane

Concen: 1.425 ug/L

RT: 11.239 min Scan# 1534

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

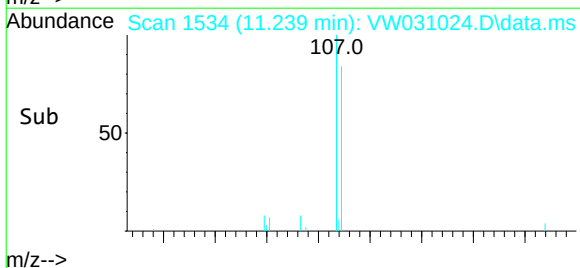
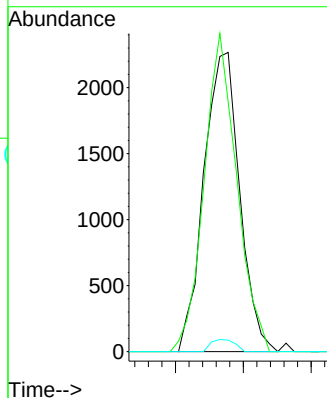
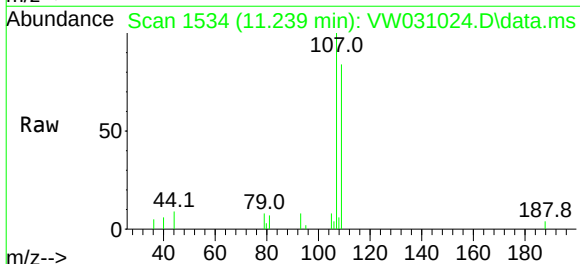
Tgt Ion: 107 Resp: 4158

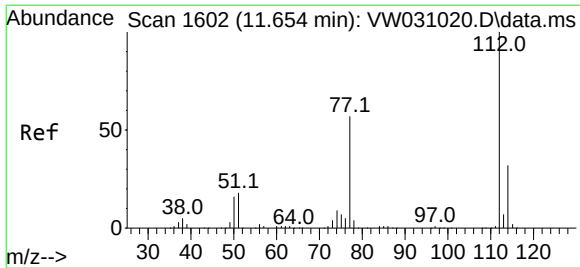
Ion Ratio Lower Upper

107 100

109 83.5 64.3 119.3

188 3.8 2.7 4.1





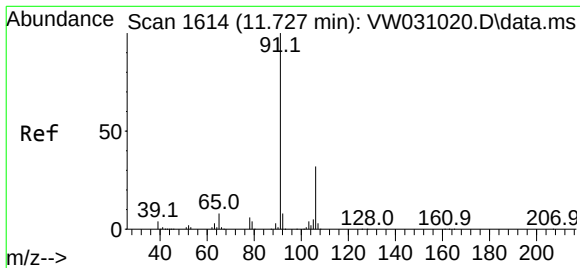
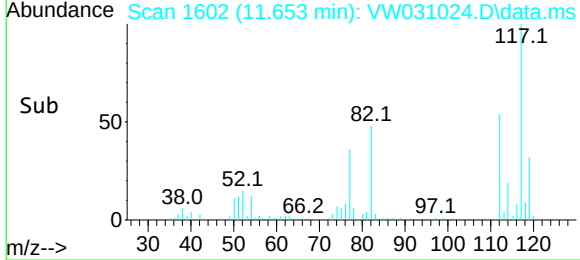
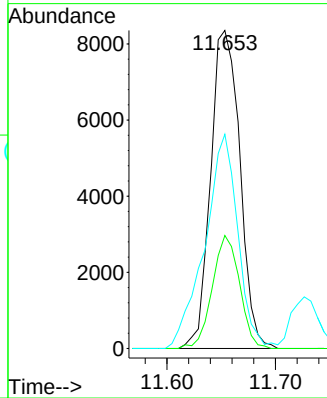
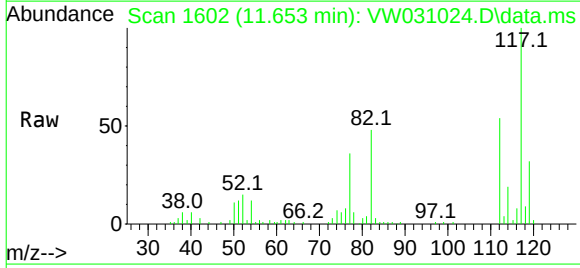
#51
Chlorobenzene
Concen: 1.309 ug/L
RT: 11.653 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:	112	Resp:	15642
Ion Ratio	Lower	Upper	
112	100		
114	35.5	21.9	40.7
77	67.4	45.3	67.9

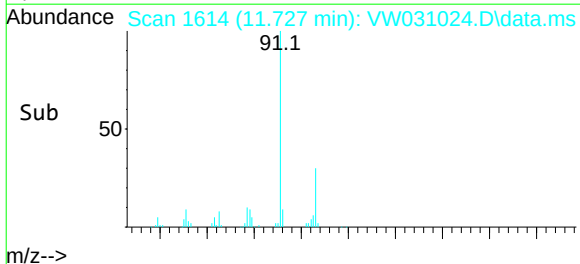
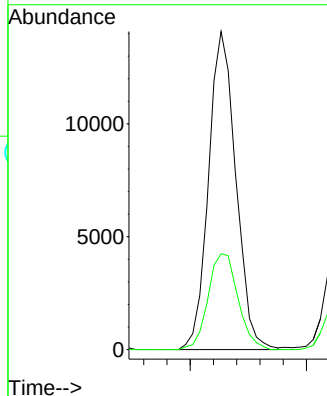
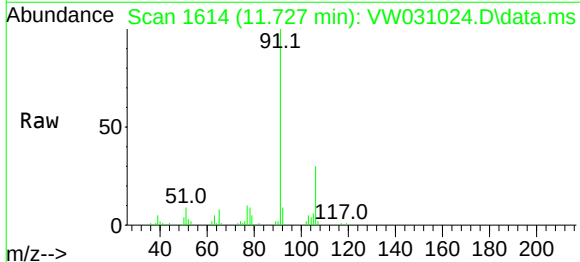
Manual Integrations
APPROVED

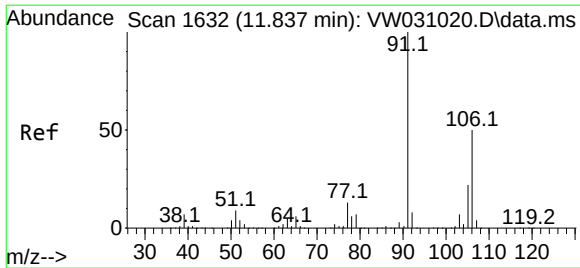
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#52
Ethylbenzene
Concen: 1.090 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion:	91	Resp:	22986
Ion Ratio	Lower	Upper	
91	100		
106	30.1	21.6	40.0





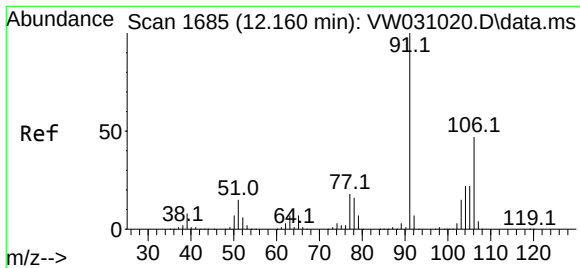
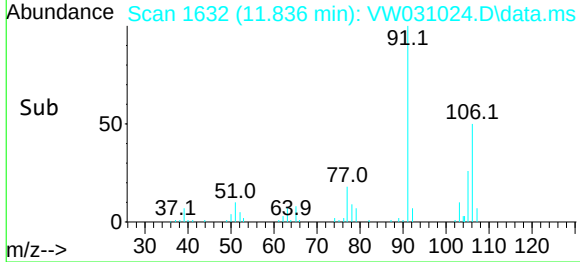
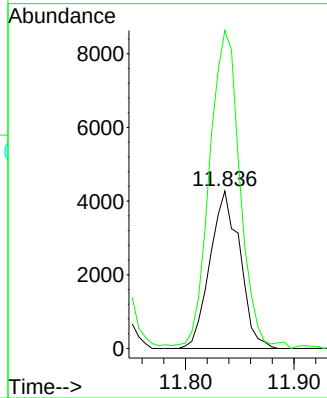
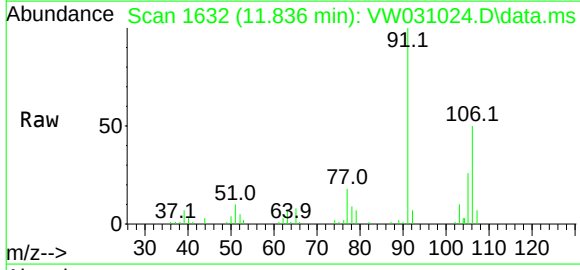
#53
m,p-Xylene
Concen: 1.031 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:106 Resp: 8179
Ion Ratio Lower Upper
106 100
91 202.0 140.7 261.3

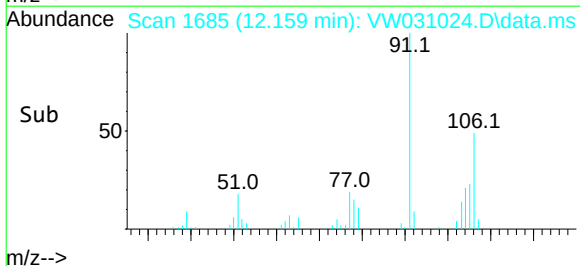
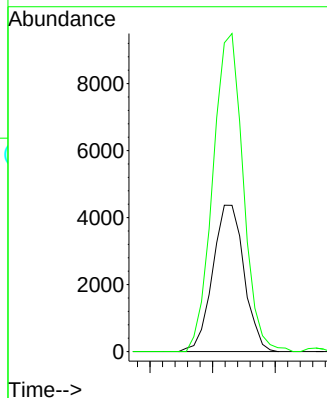
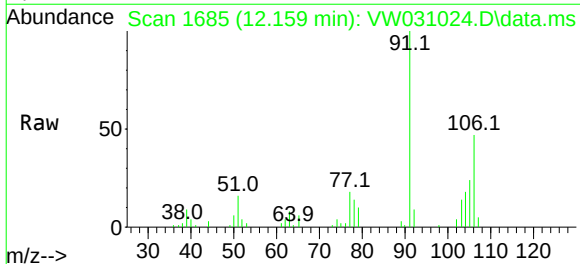
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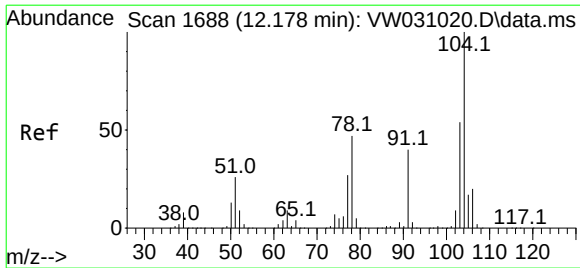
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#54
o-Xylene
Concen: 1.043 ug/L
RT: 12.159 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion:106 Resp: 7613
Ion Ratio Lower Upper
106 100
91 210.9 149.9 278.3





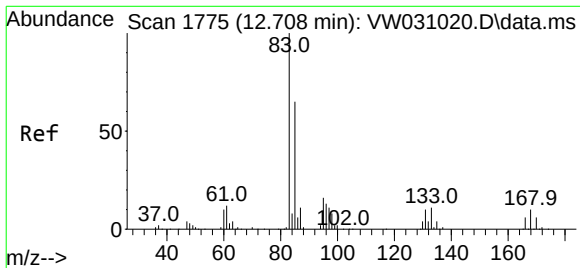
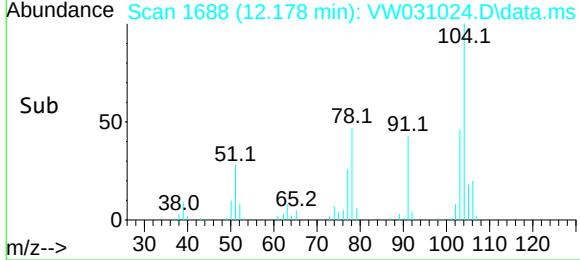
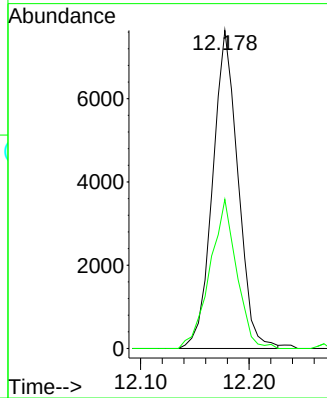
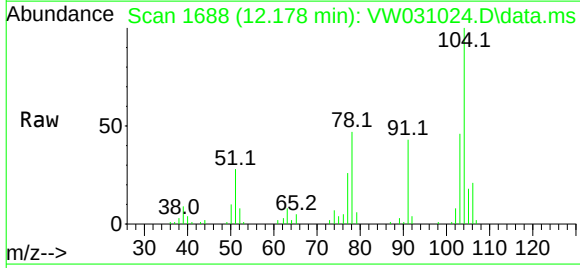
#55
 Styrene
 Concen: 0.993 ug/L
 RT: 12.178 min Scan# 1688
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:	104	Resp:	12385
Ion Ratio	Lower	Upper	
104	100		
78	46.9	31.8	59.0

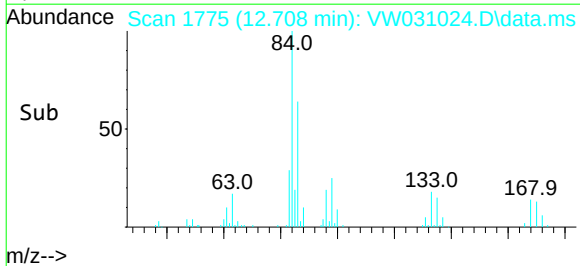
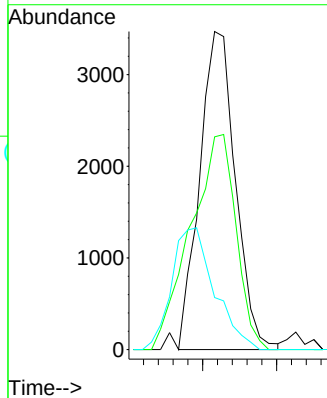
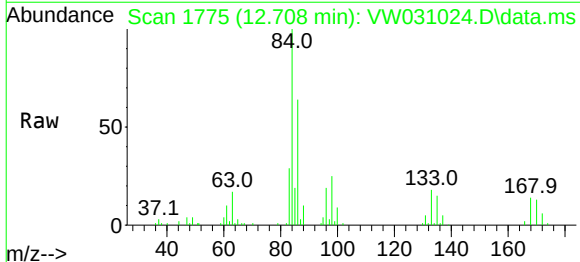
Manual Integrations
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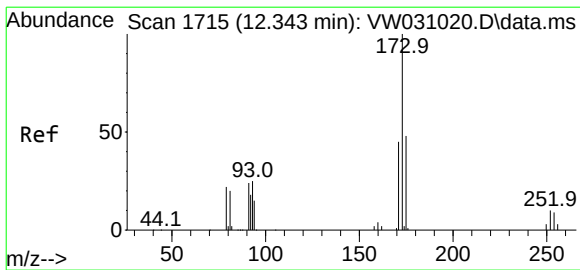
Reviewed By :Romaben Patel 11/17/2024
 Supervised By :Mahesh Dadoda 11/19/2024



#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.691 ug/L
 RT: 12.708 min Scan# 1775
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Tgt Ion:	83	Resp:	5836
Ion Ratio	Lower	Upper	
83	100		
85	66.9	45.1	83.7
131	16.4	7.7	11.5





#59

Bromoform

Concen: 1.464 ug/L

RT: 12.348 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Instrument :

MSVOA_W

ClientSampleId :

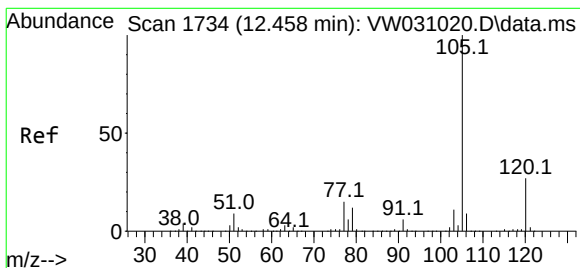
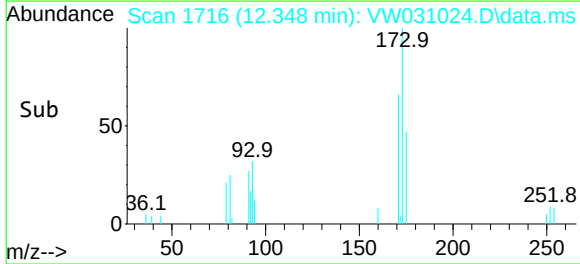
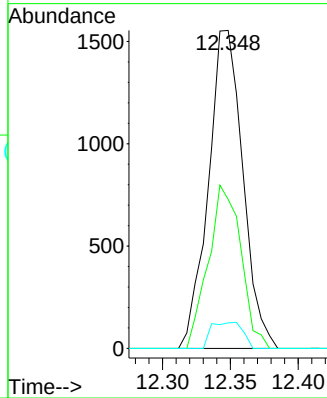
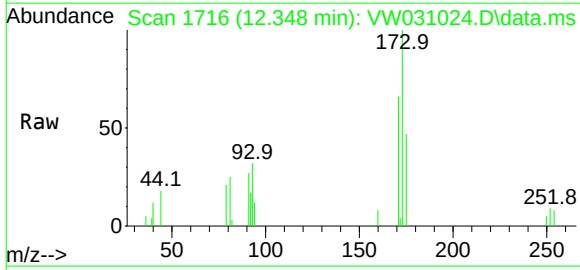
MDL-SOIL-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.3	58.9
254	3.2	7.8	11.6

Manual Integrations

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Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#60

Isopropylbenzene

Concen: 0.960 ug/L

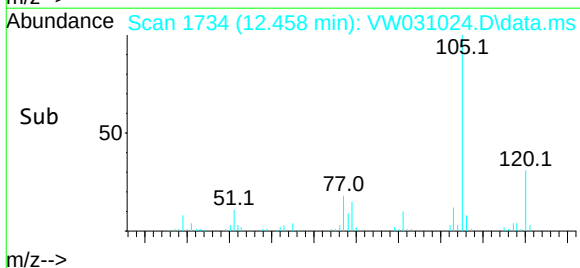
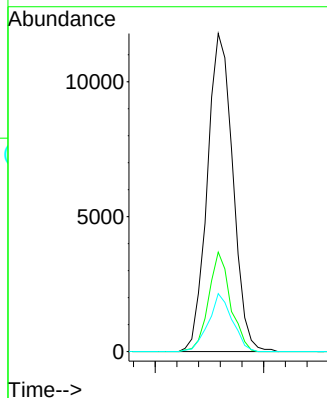
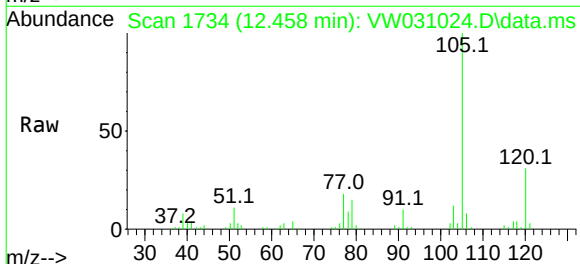
RT: 12.458 min Scan# 1734

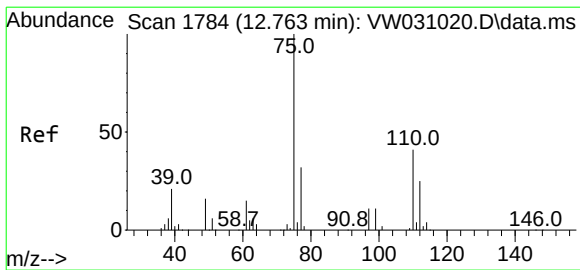
Delta R.T. -0.000 min

Lab File: VW031024.D

Acq: 15 Nov 2024 14:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	20.6	31.0
77	17.0	13.0	19.4





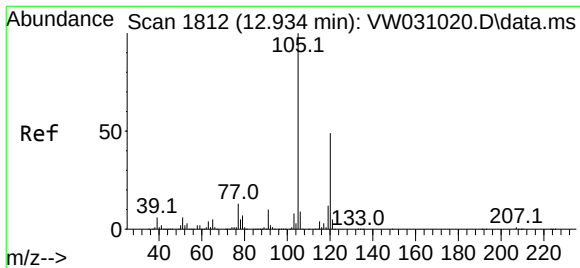
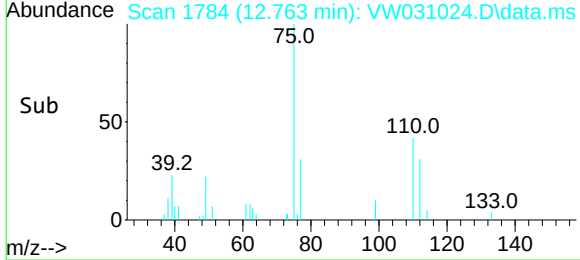
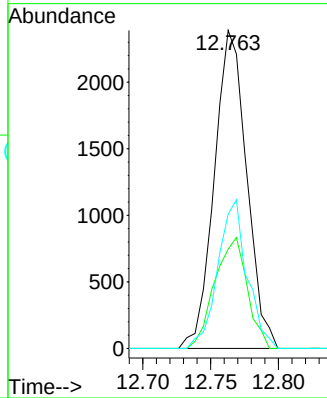
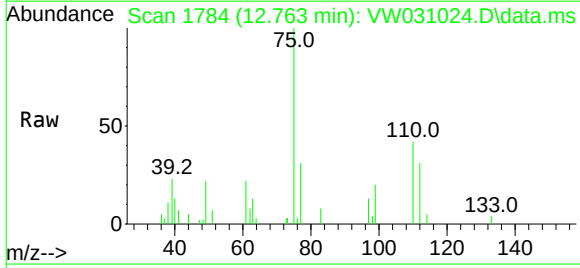
#61
1,2,3-Trichloropropane
Concen: 1.605 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.9	26.2	39.2
110	42.3	31.8	47.8

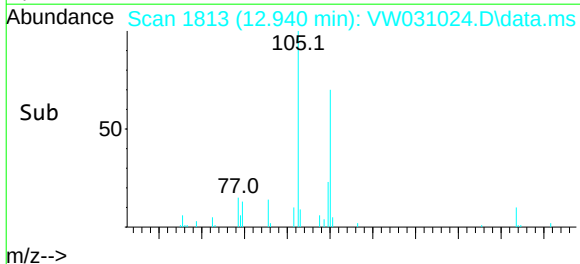
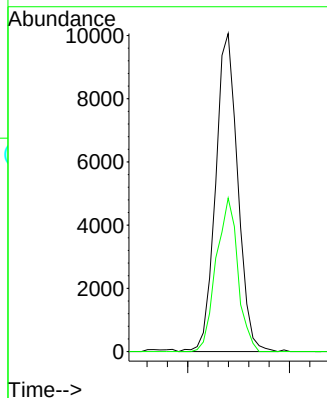
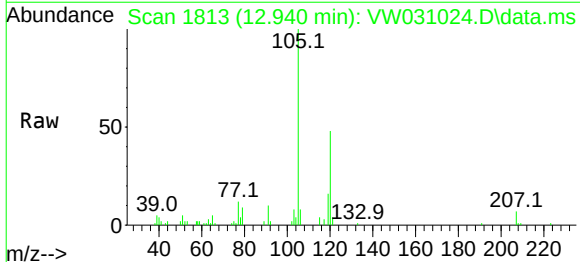
Manual Integrations
APPROVED

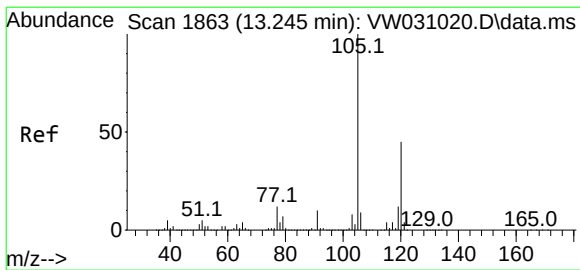
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.961 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

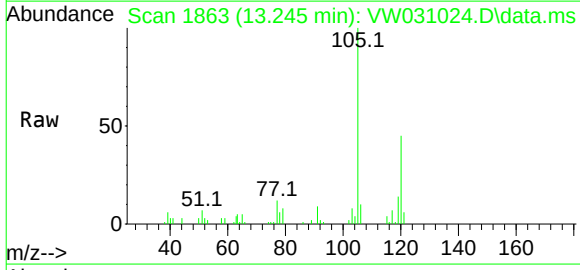
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	38.7	58.1





#63
1,2,4-Trimethylbenzene
Concen: 0.908 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

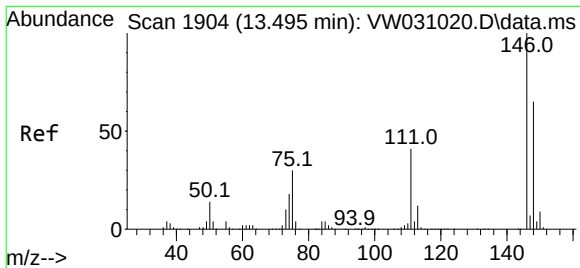
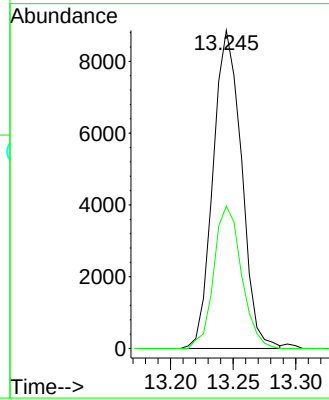
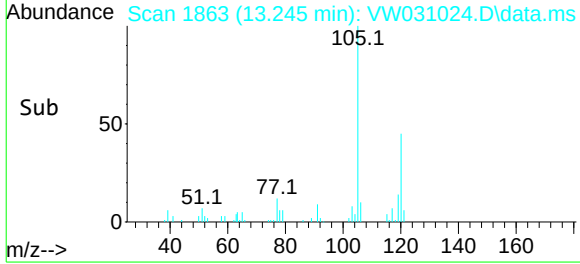
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08



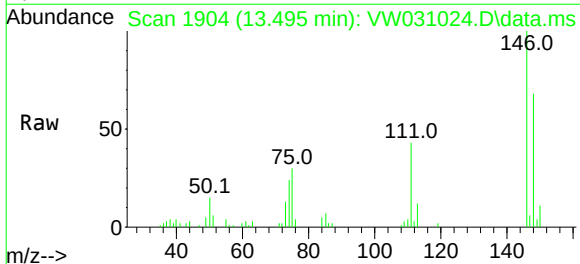
Tgt Ion:105 Resp: 13993
Ion Ratio Lower Upper
105 100
120 43.6 35.9 53.9

Manual Integrations
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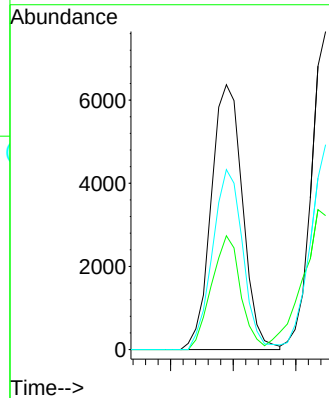
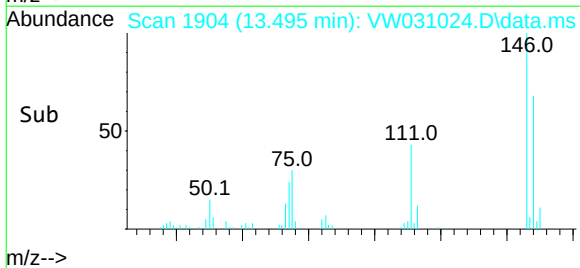
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024

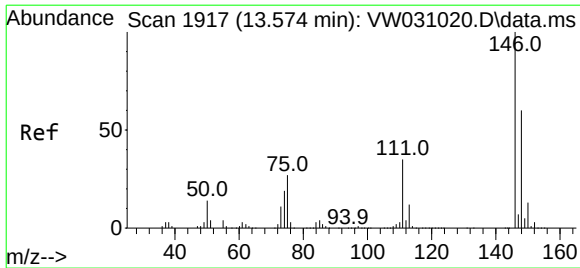


#64
1,3-Dichlorobenzene
Concen: 1.258 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24



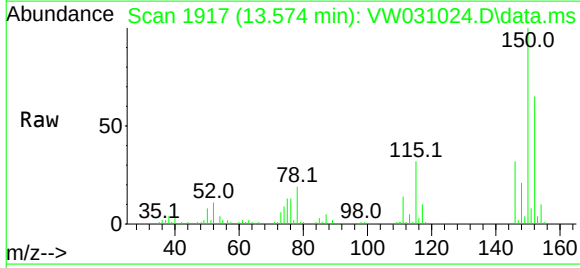
Tgt Ion:146 Resp: 11100
Ion Ratio Lower Upper
146 100
111 43.0 26.8 49.8
148 68.0 41.8 77.6





#65
 1,4-Dichlorobenzene
 Concen: 1.370 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

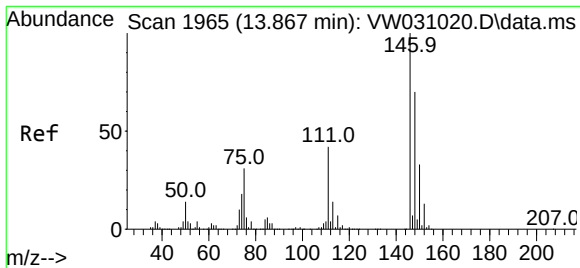
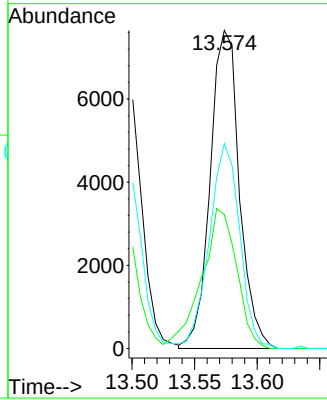
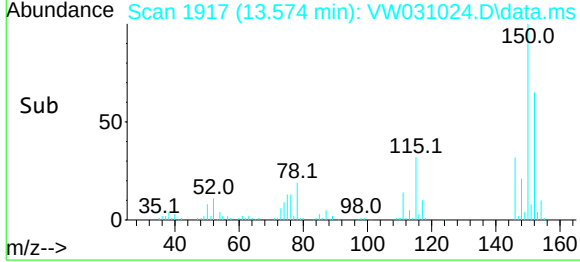
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT4-2024-08



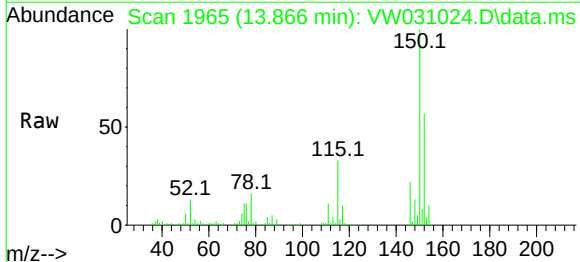
Tgt Ion:	146	Resp:	12411
Ion	Ratio	Lower	Upper
146	100		
111	42.1	27.6	51.4
148	64.4	41.6	77.2

Manual Integrations
 APPROVED

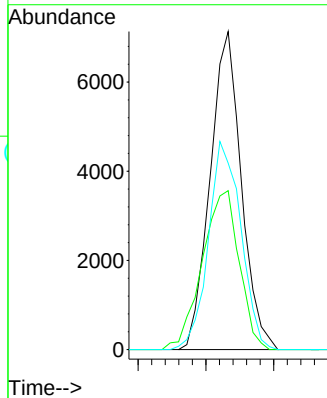
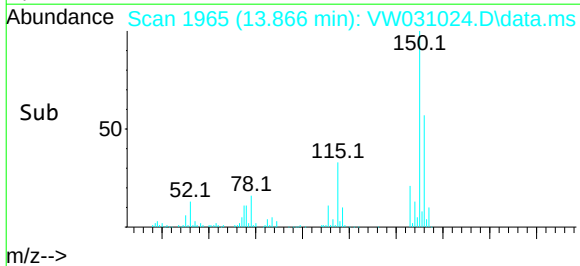
Reviewed By :Romaben Patel 11/17/2024
 Supervised By :Mahesh Dadoda 11/19/2024

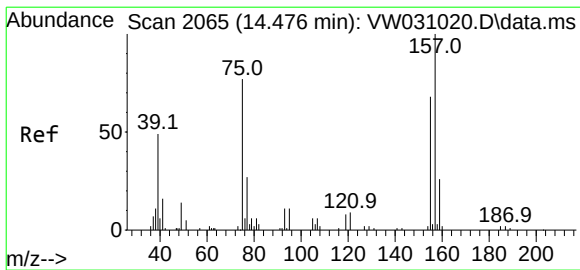


#67
 1,2-Dichlorobenzene
 Concen: 1.451 ug/L
 RT: 13.866 min Scan# 1965
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24



Tgt Ion:	146	Resp:	11409
Ion	Ratio	Lower	Upper
146	100		
111	50.0	34.3	51.5
148	58.6	48.0	72.0





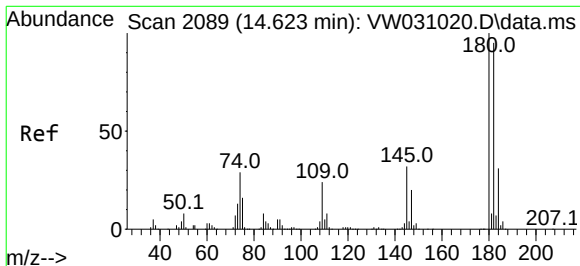
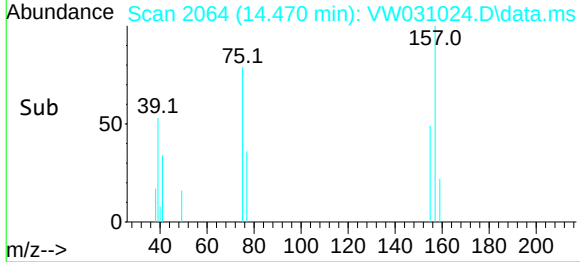
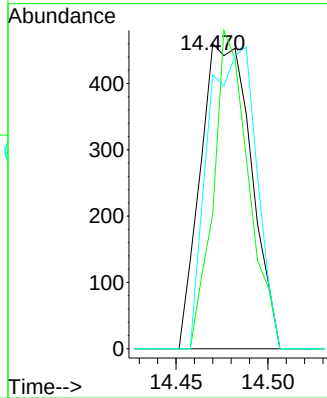
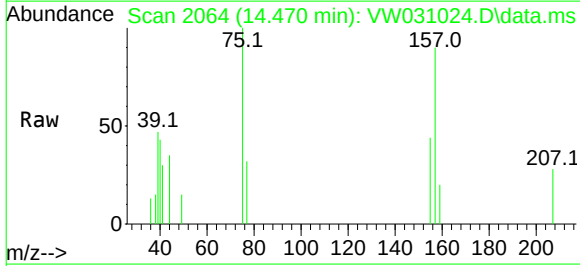
#68
1,2-Dibromo-3-chloropropane
Concen: 1.689 ug/L m
RT: 14.470 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.1	56.2	84.2
157	89.8	74.9	112.3

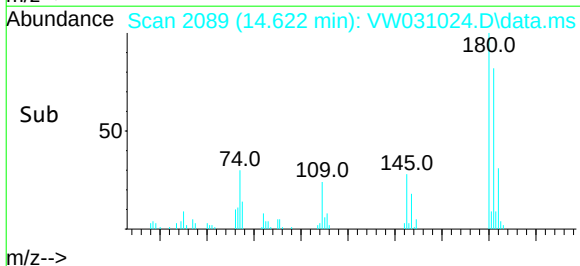
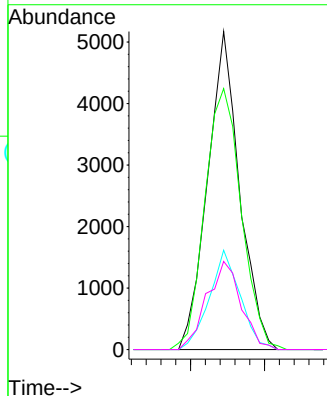
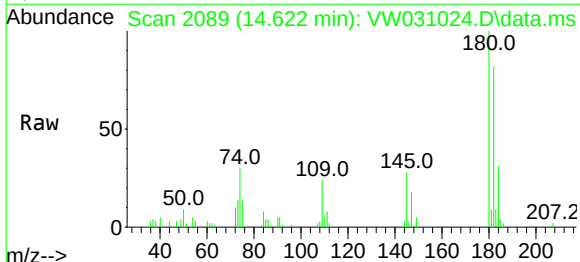
Manual Integrations
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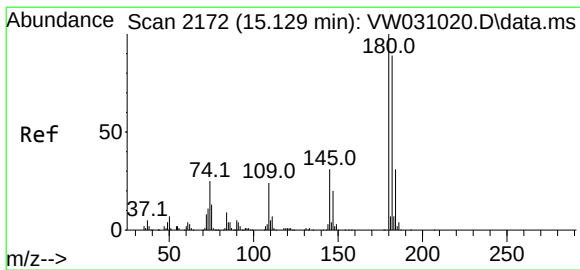
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#69
1,3,5-Trichlorobenzene
Concen: 1.324 ug/L
RT: 14.622 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.6	114.8
184	30.2	23.9	35.9
145	29.8	23.9	35.9





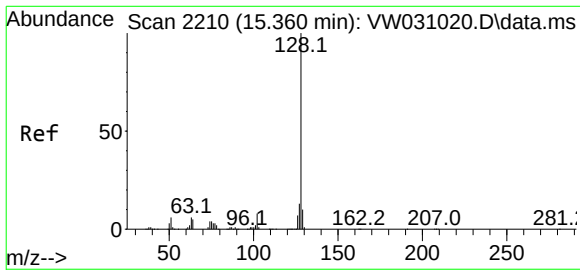
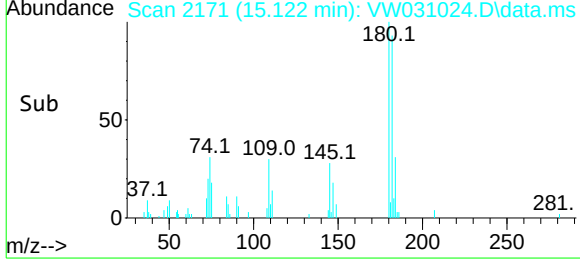
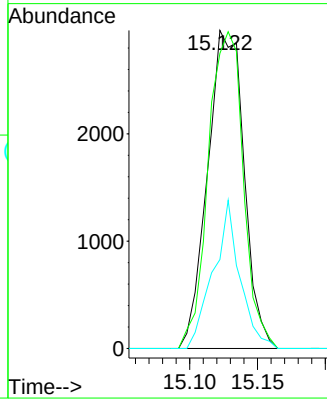
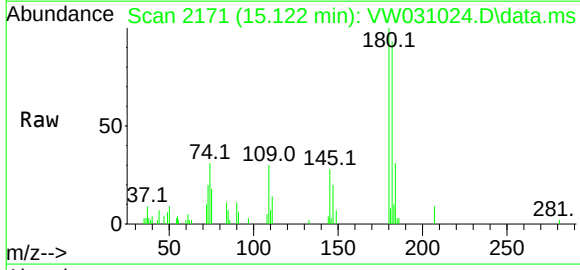
#70
1,2,4-trichlorobenzene
Concen: 1.188 ug/L
RT: 15.122 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:	180	Resp:	5521
Ion Ratio	Lower	Upper	
180	100		
182	95.8	74.5	111.7
145	34.1	24.2	36.2

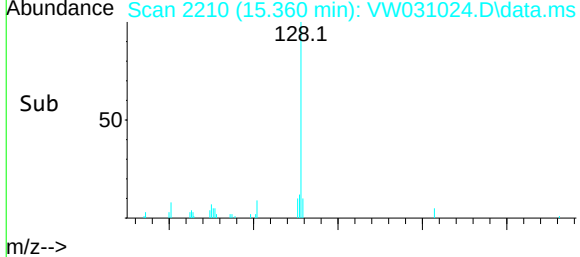
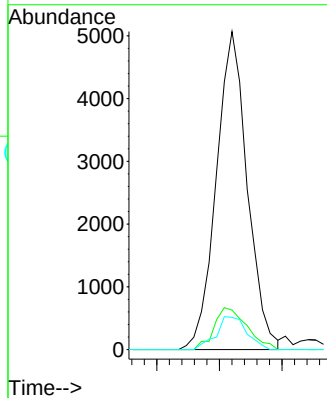
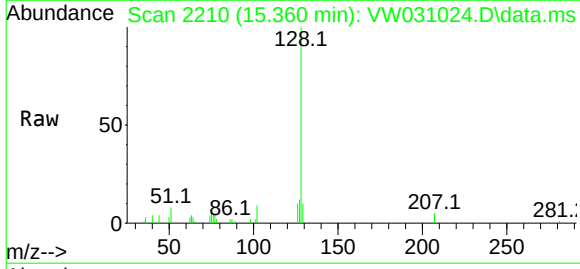
Manual Integrations
APPROVED

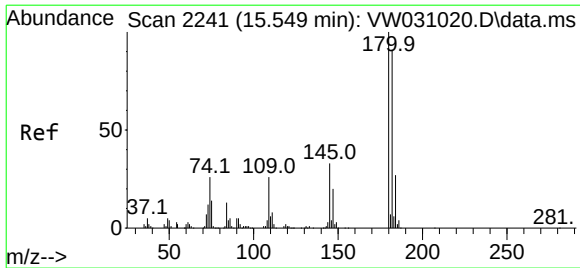
Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024



#71
Naphthalene
Concen: 1.159 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW031024.D
Acq: 15 Nov 2024 14:24

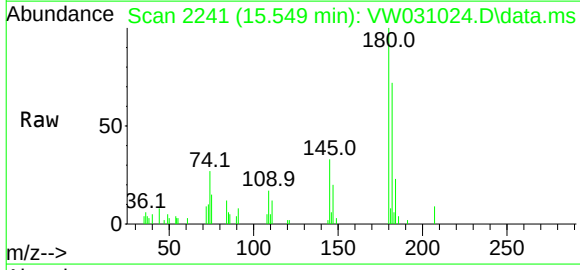
Tgt Ion:	128	Resp:	8734
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.2	15.4
129	10.2	8.7	13.1





1,2,3-Trichlorobenzene
 Concen: 1.370 ug/L
 RT: 15.549 min Scan# 22
 Delta R.T. -0.000 min
 Lab File: VW031024.D
 Acq: 15 Nov 2024 14:24

Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT4-2024-08



Tgt	Ion:180	Resp:	5489
Ion	Ratio	Lower	Upper
180	100		
182	86.0	79.2	118.8
145	32.2	27.0	40.6

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 11/17/2024
 Supervised By :Mahesh Dadoda 11/19/2024

