

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055742.D
 Acq On : 11 Oct 2023 12:32
 Operator : MD/SY
 Sample : 04696-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Oct 12 02:13:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	411283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	418084	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	209053	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	149071	40.409	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.820%		
7) Chloroethane-d5	1.885	69	128023	42.455	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.900%		
11) 1,1-Dichloroethene-d2	2.557	63	214676	32.637	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.280%		
21) 2-Butanone-d5	4.615	46	255356	93.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.420%		
24) Chloroform-d	5.055	84	309189	43.719	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.440%		
26) 1,2-Dichloroethane-d4	5.695	65	213721	49.096	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.200%		
32) Benzene-d6	5.721	84	613248	45.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.680%		
36) 1,2-Dichloropropane-d6	6.685	67	195117	46.074	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.140%		
41) Toluene-d8	7.894	98	534402	44.243	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.480%		
43) trans-1,3-Dichloroprop...	8.177	79	92424	45.434	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.860%		
47) 2-Hexanone-d5	8.631	63	174068	104.557	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.560%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	337678	51.804	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	212705	51.272	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5997	1.751	ug/L	98
3) Chloromethane	1.518	50	7120	2.197	ug/L	91
5) Vinyl chloride	1.602	62	7370	2.067	ug/L #	61
6) Bromomethane	1.830	94	3670	1.610	ug/L	94
8) Chloroethane	1.907	64	4683	2.002	ug/L	99
9) Trichlorofluoromethane	2.126	101	9921	1.947	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	7727	2.358	ug/L #	78
12) 1,1-Dichloroethene	2.570	96	6775	2.324	ug/L #	1
13) Acetone	2.624	43	9551	3.765	ug/L	95
14) Carbon disulfide	2.782	76	15021	1.693	ug/L	100
15) Methyl Acetate	2.946	43	7106	1.829	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	5325	1.786	ug/L	98
18) Methyl tert-butyl Ether	3.361	73	17527	1.828	ug/L	97
19) 1,1-Dichloroethane	3.859	63	11370	1.860	ug/L	100
20) cis-1,2-Dichloroethene	4.666	96	6870	2.019	ug/L	76
22) 2-Butanone	4.714	43	13394m	4.381	ug/L	
23) Bromochloromethane	4.975	128	3288m	1.866	ug/L	
25) Chloroform	5.081	83	14106	2.208	ug/L	99
27) 1,2-Dichloroethane	5.792	62	10332	2.022	ug/L #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	8454	1.764	ug/L #	88
30) 1,1,1-Trichloroethane	5.309	97	10099	1.870	ug/L	97
31) Carbon tetrachloride	5.525	117	8996m	1.903	ug/L	
33) Benzene	5.769	78	24848	1.880	ug/L	100
34) Trichloroethene	6.537	95	7056	1.951	ug/L	92
35) Methylcyclohexane	6.759	83	9370	1.786	ug/L	96
37) 1,2-Dichloropropane	6.791	63	7768	2.135	ug/L #	96
38) Bromodichloromethane	7.103	83	8877	1.850	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	9944	1.796	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	19320	3.816	ug/L	97
42) Toluene	7.968	91	26624	1.909	ug/L	94
44) trans-1,3-Dichloropropene	8.209	75	9837	1.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	6722	1.873	ug/L	91
46) Tetrachloroethene	8.550	164	4595	1.775	ug/L	96
48) 2-Hexanone	8.685	43	44092	10.311	ug/L #	88
49) Dibromochloromethane	8.807	129	6490	1.770	ug/L	85
50) 1,2-Dibromoethane	8.923	107	7161	1.858	ug/L #	92
51) Chlorobenzene	9.444	112	17420	1.931	ug/L	99
52) Ethylbenzene	9.569	91	25741	1.688	ug/L	98
53) m,p-Xylene	9.695	106	9503	1.664	ug/L	78
54) o-Xylene	10.100	106	10289	1.862	ug/L	94
55) Styrene	10.116	104	15248	1.628	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	14820	2.412	ug/L #	97
59) Bromoform	10.290	173	5365	2.085	ug/L #	89
60) 1,2,3-Trichloropropane	10.820	75	11499	2.534	ug/L	99
61) Isopropylbenzene	10.483	105	23131	1.775	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	17982	1.705	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	18003	1.726	ug/L	95
64) 1,3-Dichlorobenzene	11.746	146	12933	2.007	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	13661	2.062	ug/L	91
67) 1,2-Dichlorobenzene	12.212	146	13914	2.176	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	2202	1.623	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.222	180	8551	1.990	ug/L	94
70) 1,2,4-trichlorobenzene	13.849	180	6085	1.700	ug/L	97
71) Naphthalene	14.093	128	20834m	1.959	ug/L	
72) 1,2,3-Trichlorobenzene	14.335	180	5842	1.655	ug/L	96

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

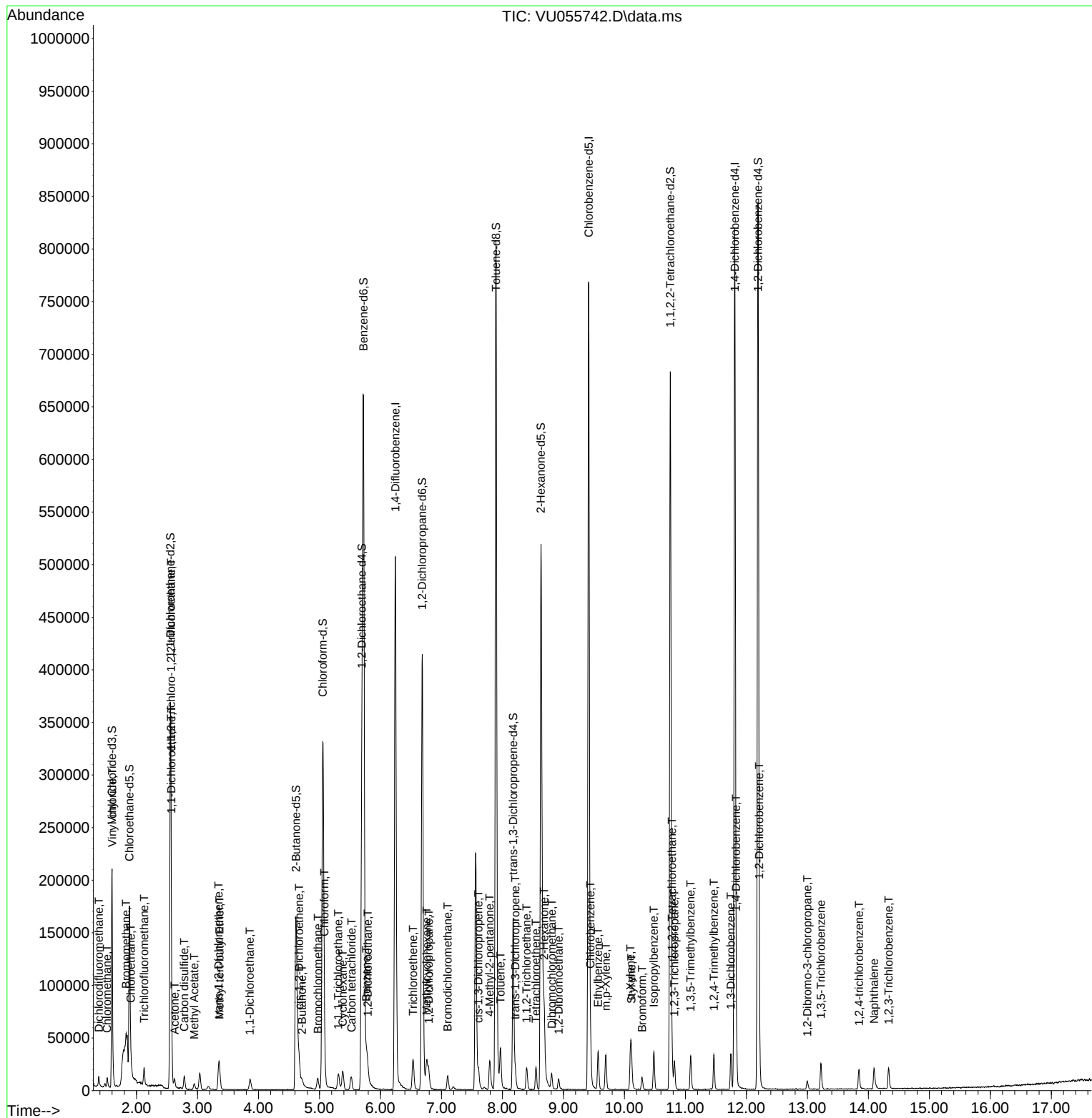
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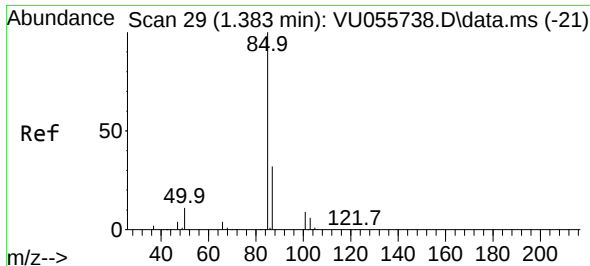
Instrument :
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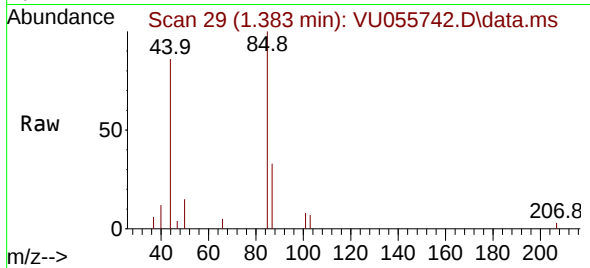
Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023





#2
Dichlorodifluoromethane
Concen: 1.751 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

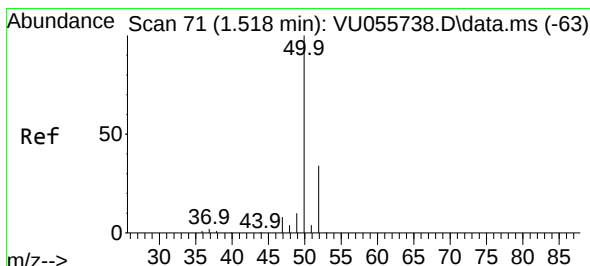
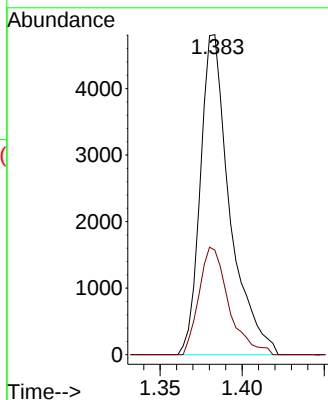
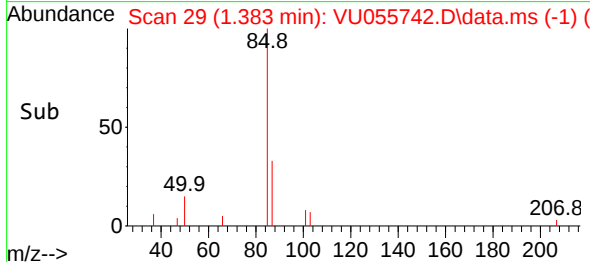
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08



Tgt Ion: 85 Resp: 599
Ion Ratio Lower Upper
85 100
87 33.7 26.0 39.0

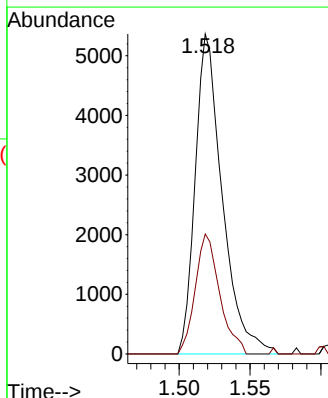
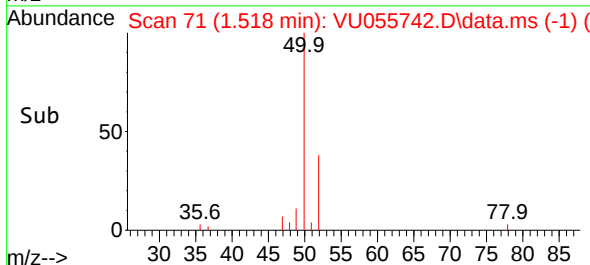
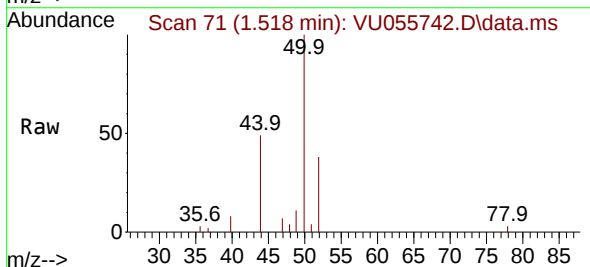
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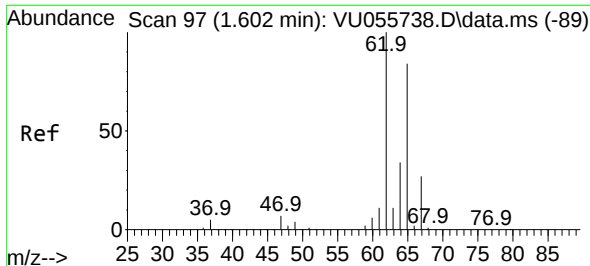
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#3
Chloromethane
Concen: 2.197 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 50 Resp: 7120
Ion Ratio Lower Upper
50 100
52 37.5 22.8 42.4





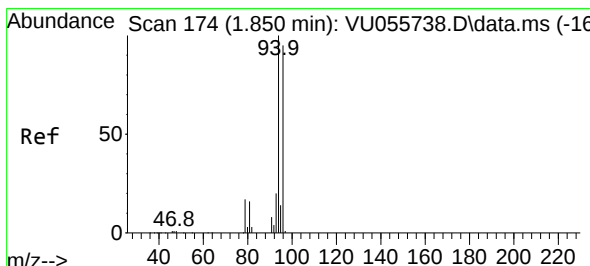
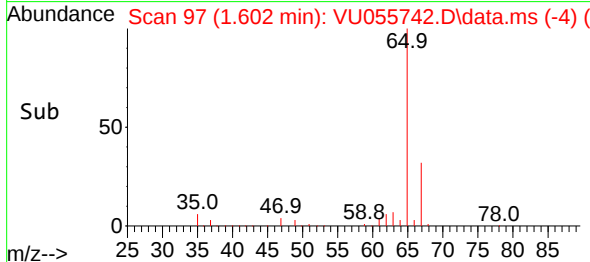
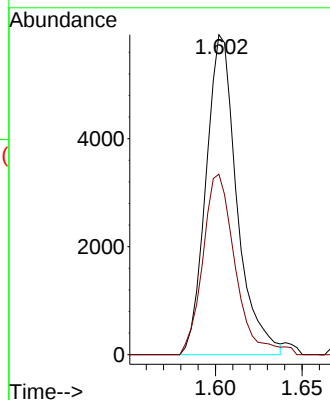
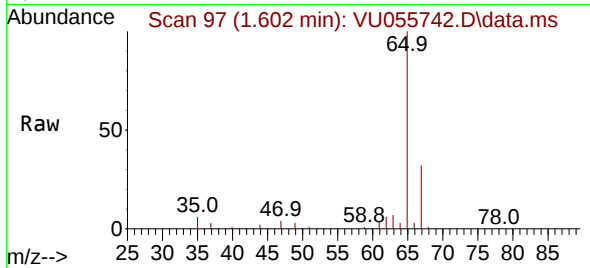
#5
 Vinyl chloride
 Concen: 2.067 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 62 Resp: 7370
 Ion Ratio Lower Upper
 62 100
 64 56.4 23.9 44.5

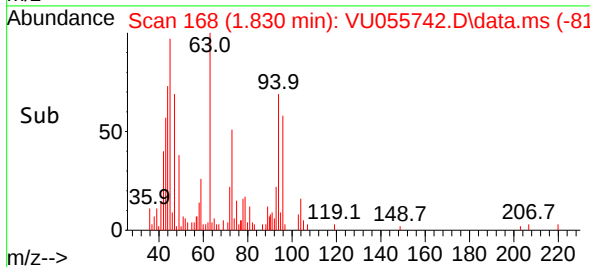
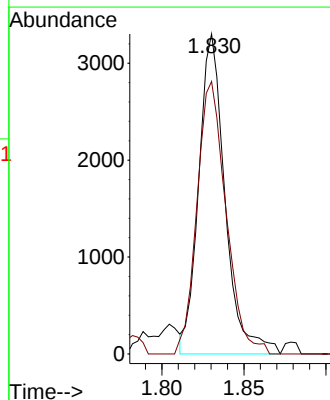
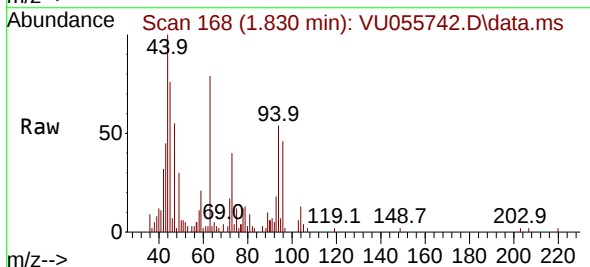
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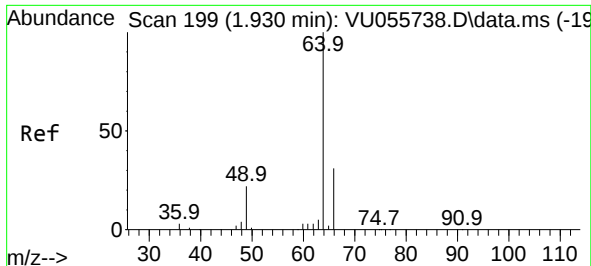
Reviewed By :John Carlone 10/12/2023
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#6
 Bromomethane
 Concen: 1.610 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.019 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

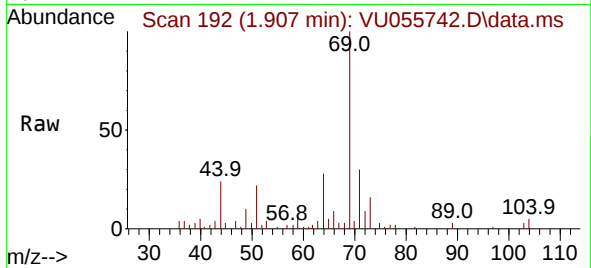
Tgt Ion: 94 Resp: 3670
 Ion Ratio Lower Upper
 94 100
 96 85.2 63.5 117.9





#8
Chloroethane
Concen: 2.002 ug/L
RT: 1.907 min Scan# 199
Delta R.T. -0.023 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

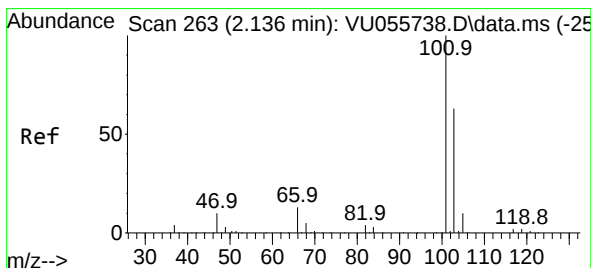
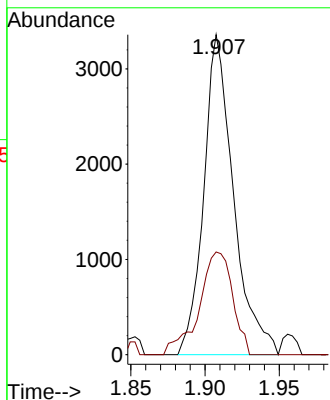
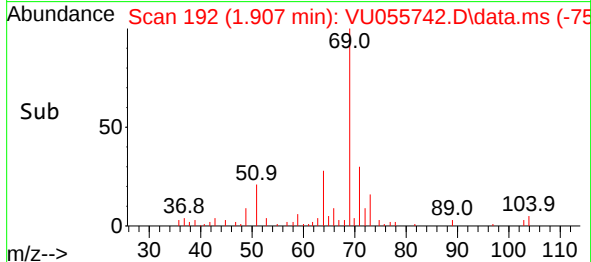
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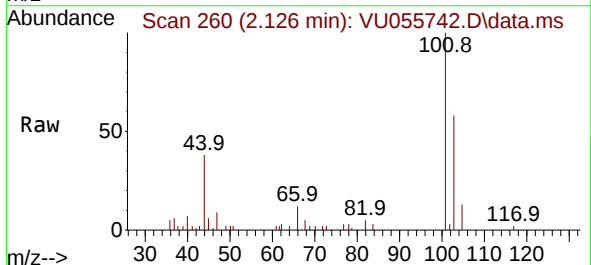
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5

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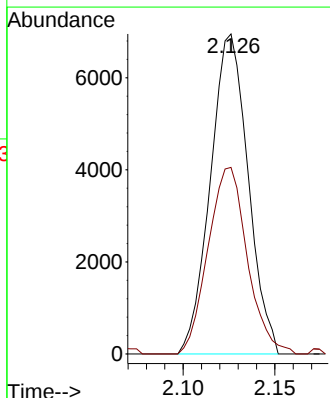
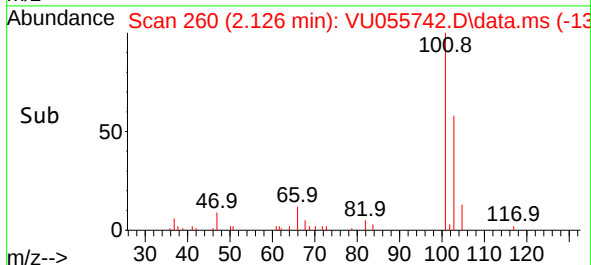
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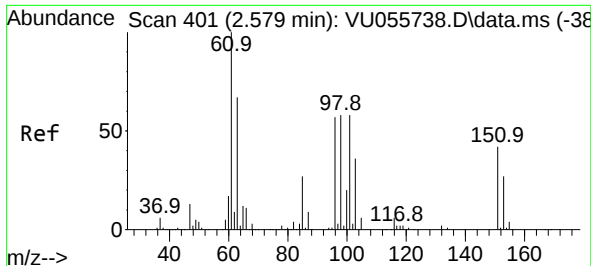


#9
Trichlorofluoromethane
Concen: 1.947 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



Tgt Ion:101 Resp: 9921
Ion Ratio Lower Upper
101 100
103 60.8 51.3 76.9





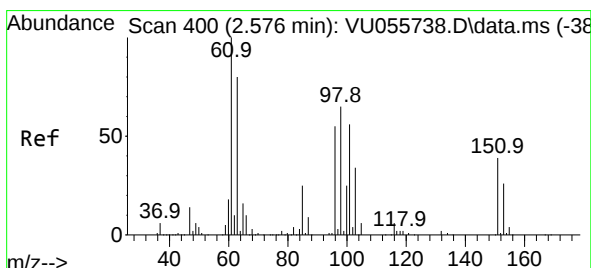
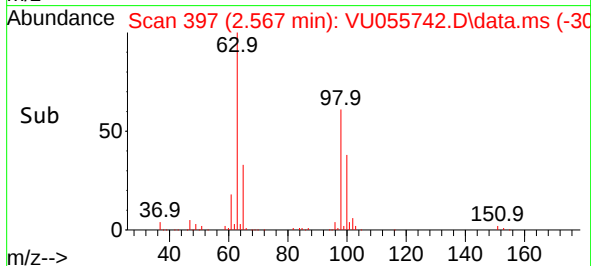
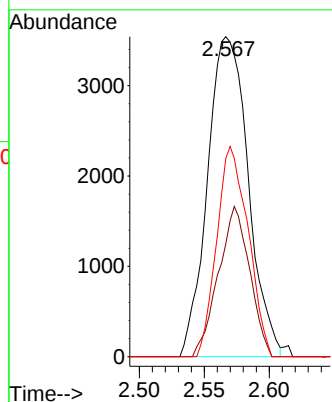
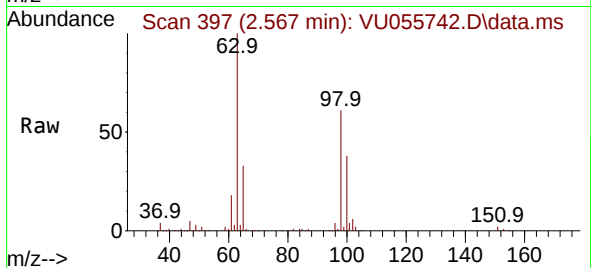
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.358 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.013 min
Lab File: VU055742.D
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ClientSampleId : MDL-MED-SOIL-QT4-2023-08

Tgt Ion:101 Resp: 772
Ion Ratio Lower Upper
101 100
85 35.9 37.1 55.7
151 50.4 58.2 87.4

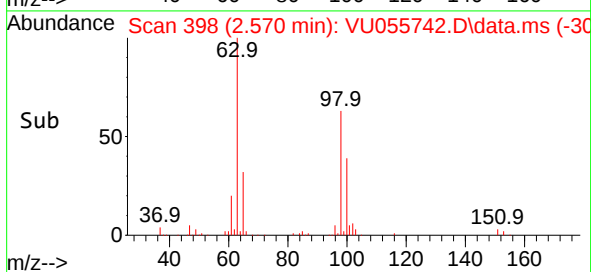
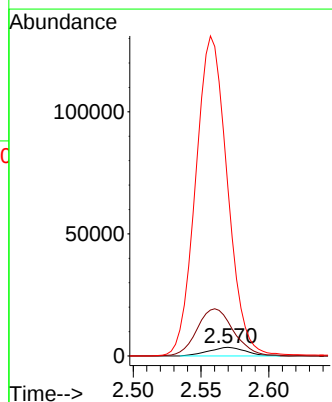
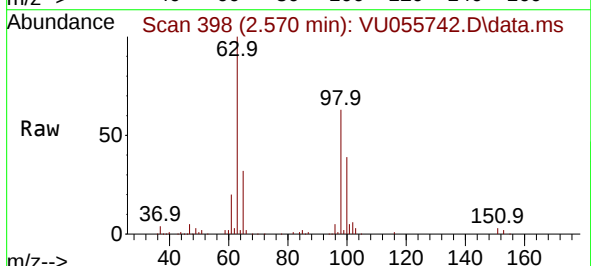
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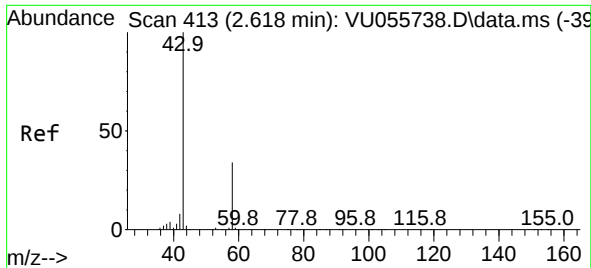
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#12
1,1-Dichloroethene
Concen: 2.324 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.007 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 96 Resp: 6775
Ion Ratio Lower Upper
96 100
61 401.0 122.0 226.6#
63 1957.9 93.7 174.1#





#13

Acetone

Concen: 3.765 ug/L

RT: 2.624 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

43 100

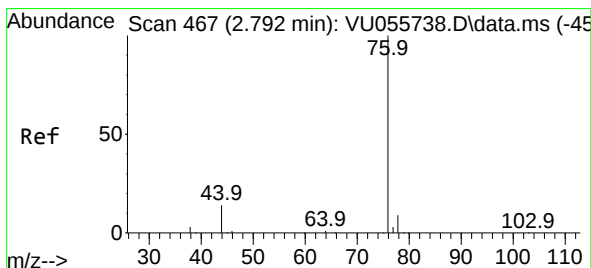
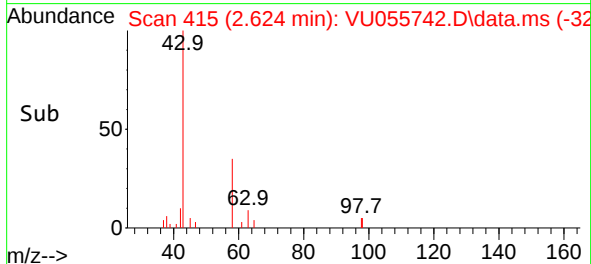
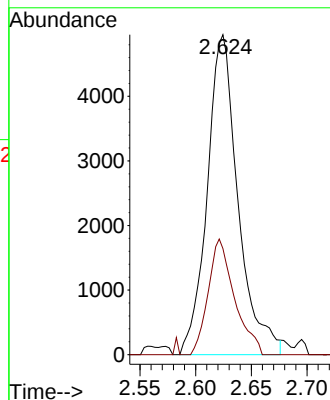
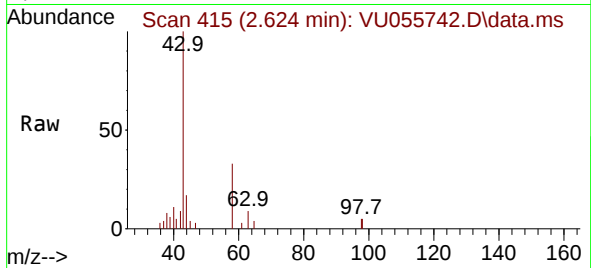
58 30.8 0.0 67.4

Manual Integrations

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#14

Carbon disulfide

Concen: 1.693 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.010 min

Lab File: VU055742.D

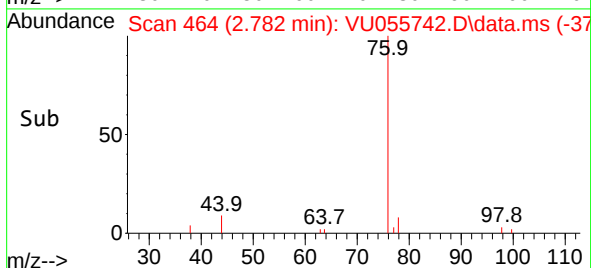
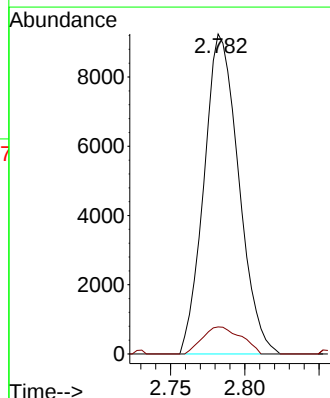
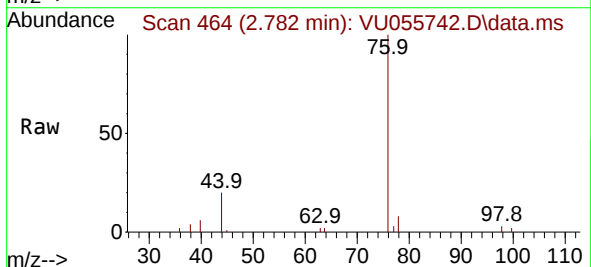
Acq: 11 Oct 2023 12:32

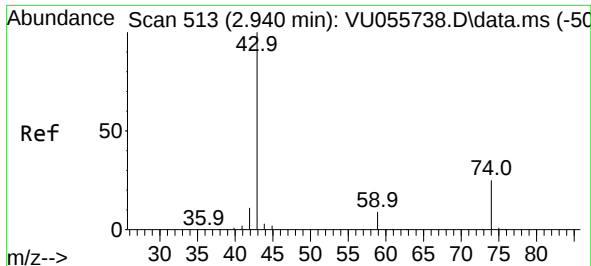
Tgt Ion: 76 Resp: 15021

Ion Ratio Lower Upper

76 100

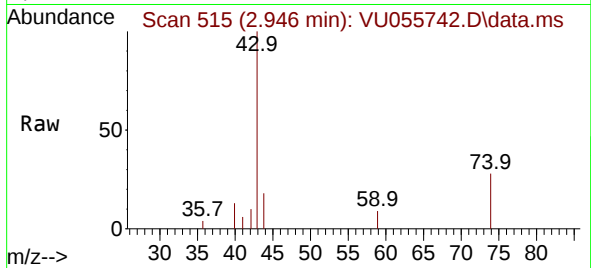
78 8.5 6.8 10.2





#15
Methyl Acetate
Concen: 1.829 ug/L
RT: 2.946 min Scan# 513
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

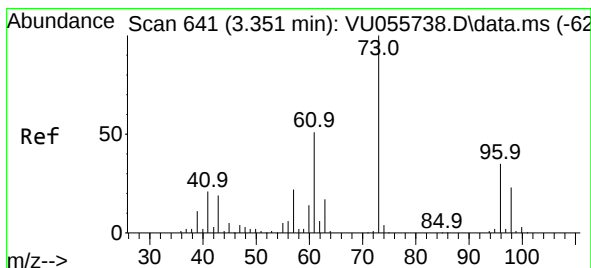
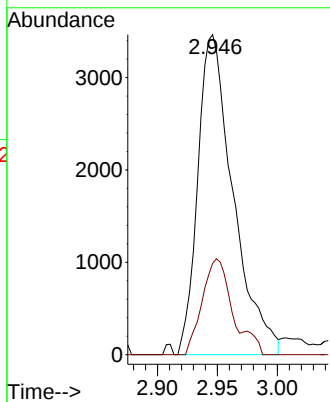
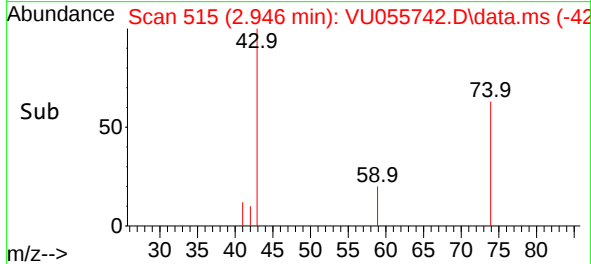
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 7100
Ion Ratio Lower Upper
43 100
74 23.0 19.5 29.3

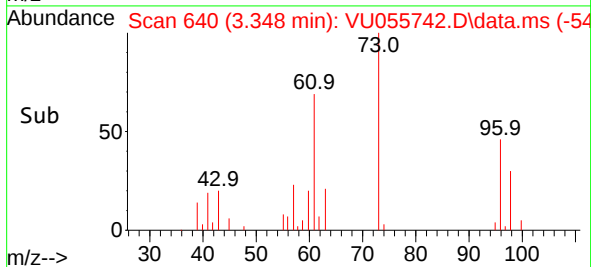
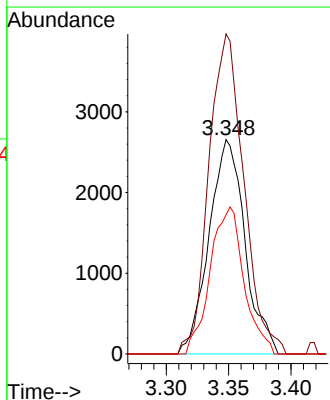
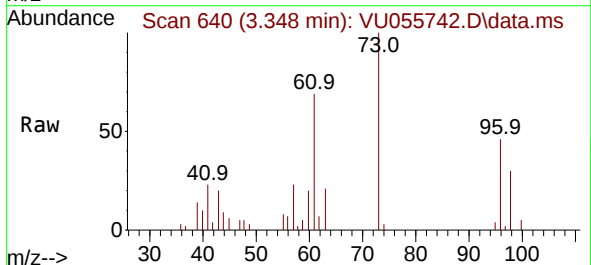
Manual Integrations
APPROVED

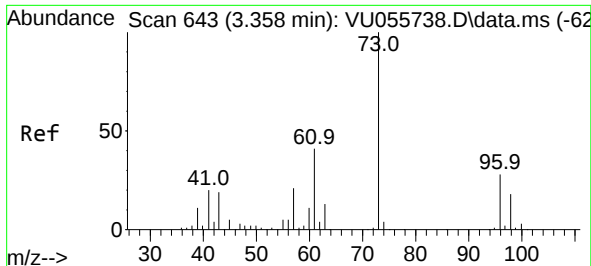
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#17
trans-1,2-Dichloroethene
Concen: 1.786 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

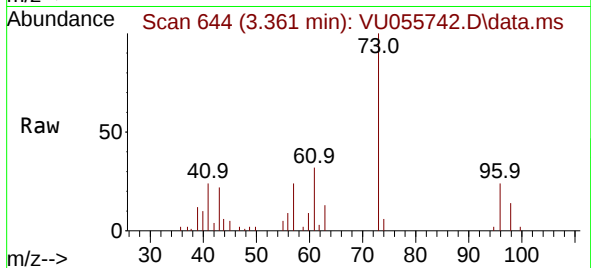
Tgt Ion: 96 Resp: 5325
Ion Ratio Lower Upper
96 100
61 149.3 102.1 189.7
98 64.9 46.3 86.1





#18
Methyl tert-butyl Ether
Concen: 1.828 ug/L
RT: 3.361 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

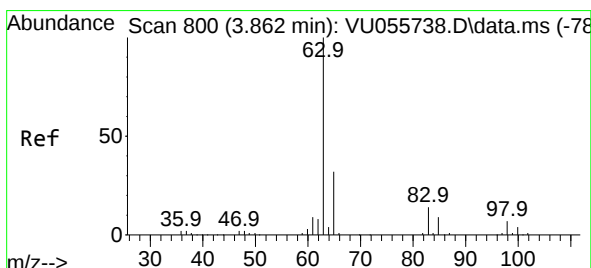
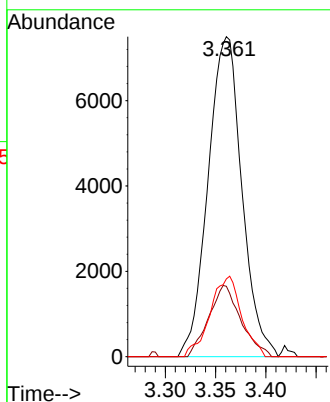
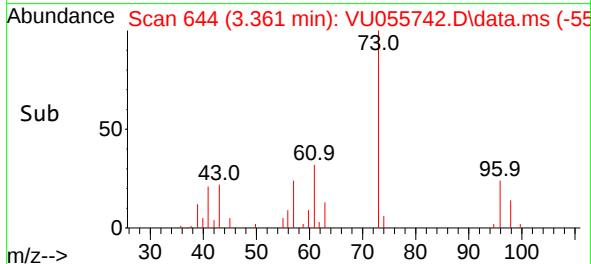
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08



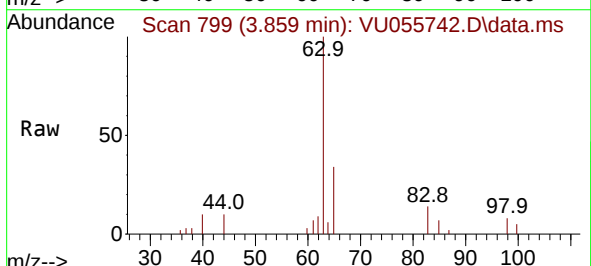
Tgt Ion: 73 Resp: 1752
Ion Ratio Lower Upper
73 100
43 21.2 15.4 23.2
57 23.4 17.7 26.5

Manual Integrations
APPROVED

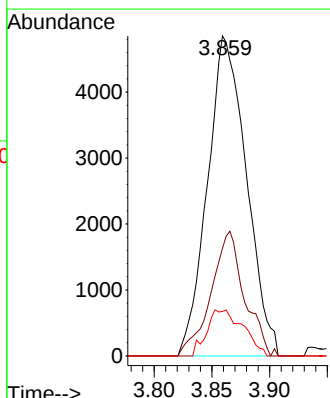
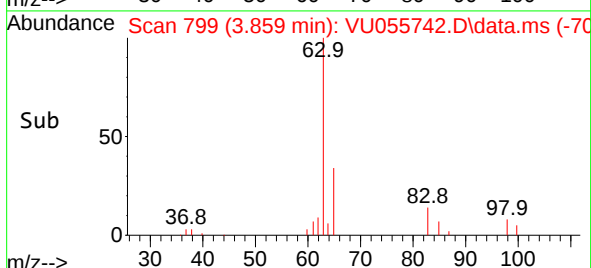
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

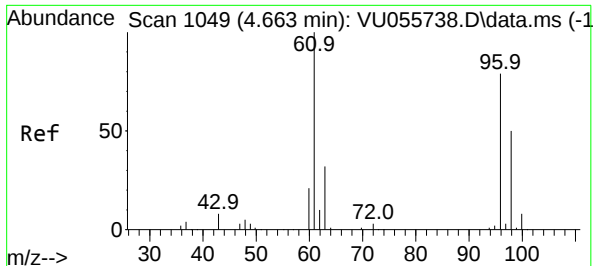


#19
1,1-Dichloroethane
Concen: 1.860 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



Tgt Ion: 63 Resp: 11370
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.5
83 13.2 9.5 17.7





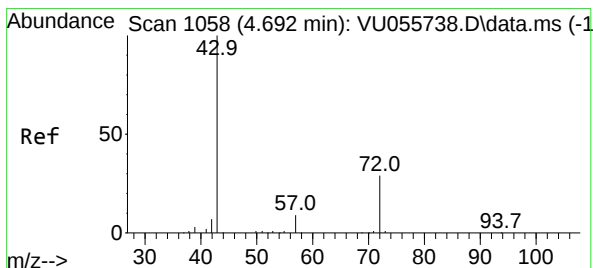
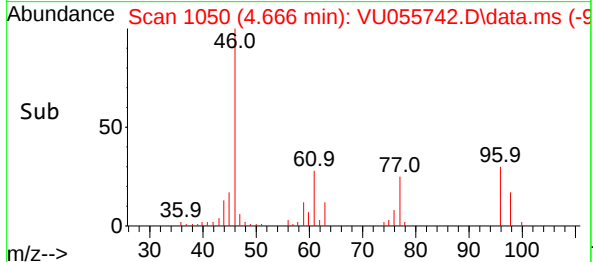
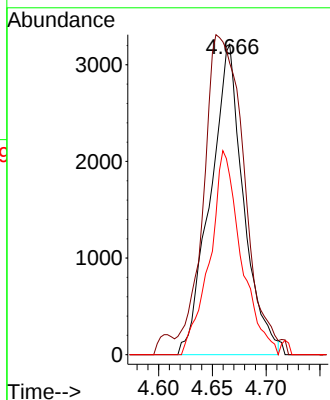
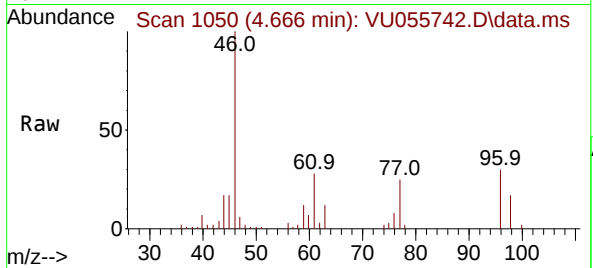
#20
cis-1,2-Dichloroethene
Concen: 2.019 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 96 Resp: 6870
Ion Ratio Lower Upper
96 100
61 94.0 92.3 171.5
98 57.6 43.9 81.5

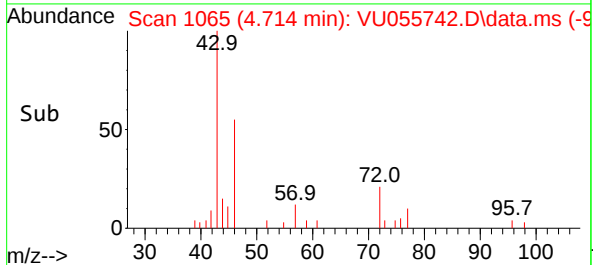
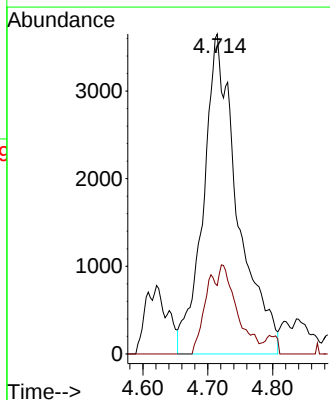
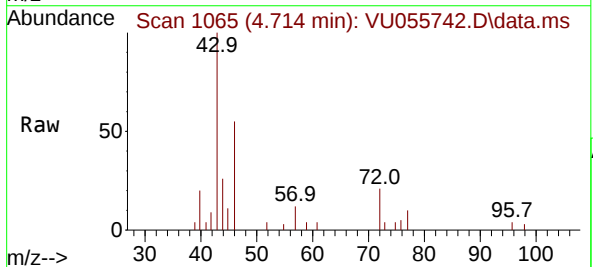
Manual Integrations
APPROVED

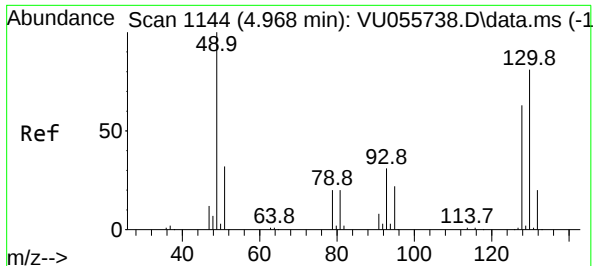
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#22
2-Butanone
Concen: 4.381 ug/L m
RT: 4.714 min Scan# 1065
Delta R.T. 0.022 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

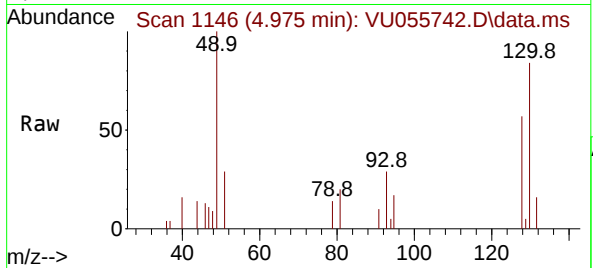
Tgt Ion: 43 Resp: 13394
Ion Ratio Lower Upper
43 100
72 10.1 14.6 44.0#





#23
Bromochloromethane
Concen: 1.866 ug/L m
RT: 4.975 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

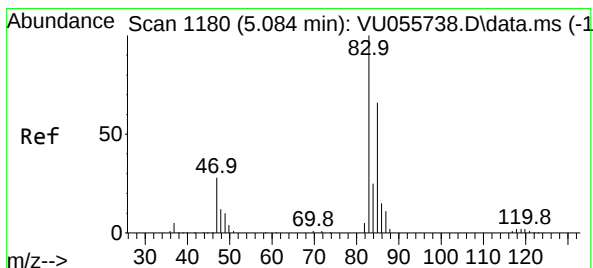
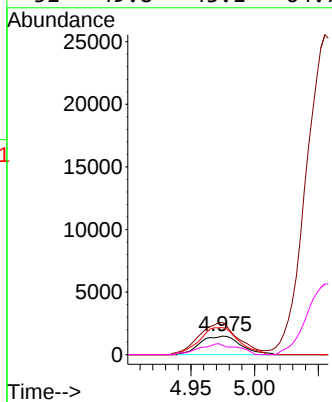
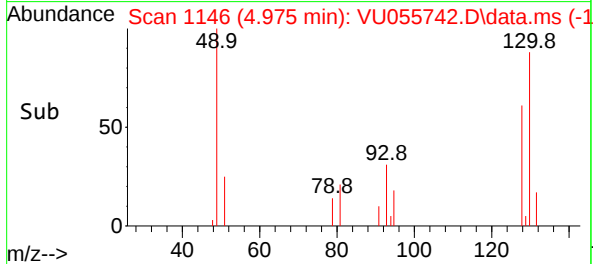
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



Tgt Ion:128 Resp: 328
Ion Ratio Lower Upper
128 100
49 174.2 116.3 216.1
130 146.0 91.6 170.0
51 49.8 43.1 64.7

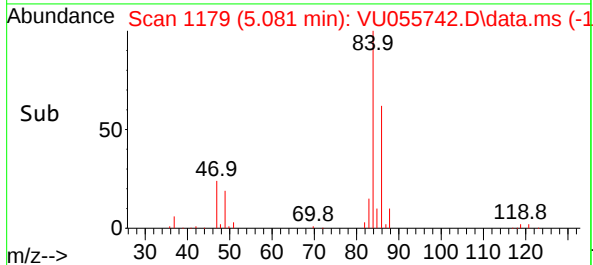
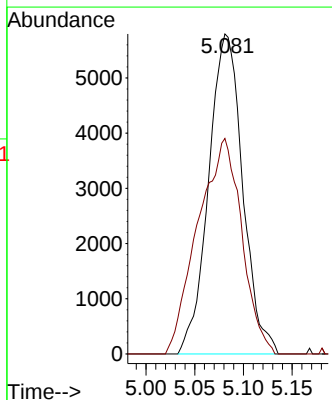
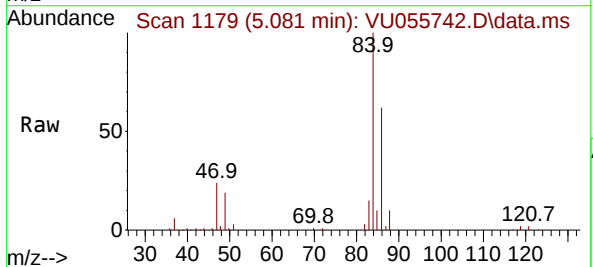
Manual Integrations
APPROVED

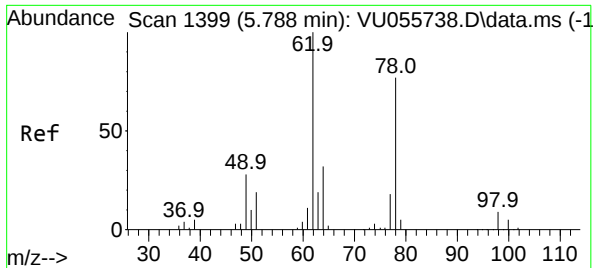
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#25
Chloroform
Concen: 2.208 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 83 Resp: 14106
Ion Ratio Lower Upper
83 100
85 67.4 46.3 86.1





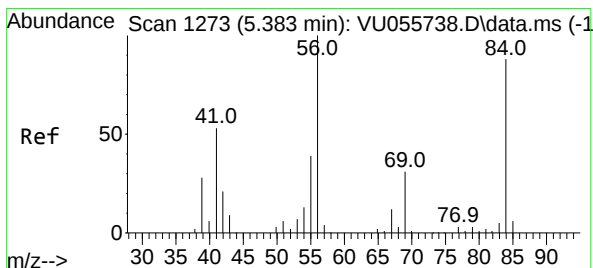
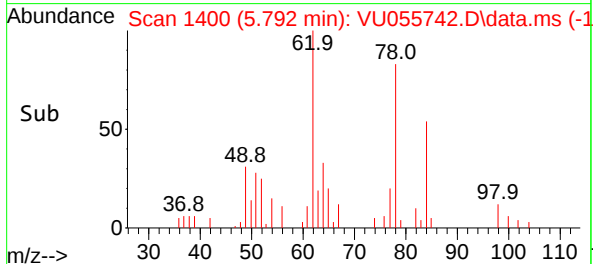
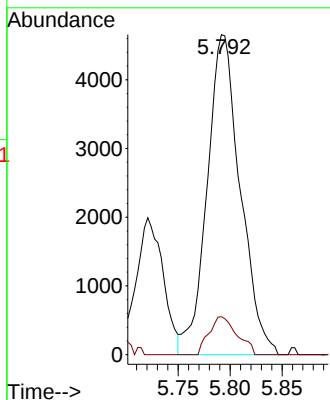
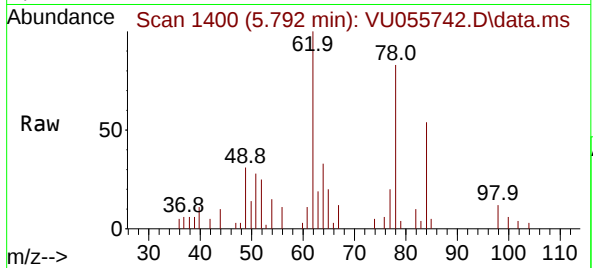
#27
1,2-Dichloroethane
Concen: 2.022 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 62 Resp: 1033
Ion Ratio Lower Upper
62 100
98 11.8 7.2 10.8

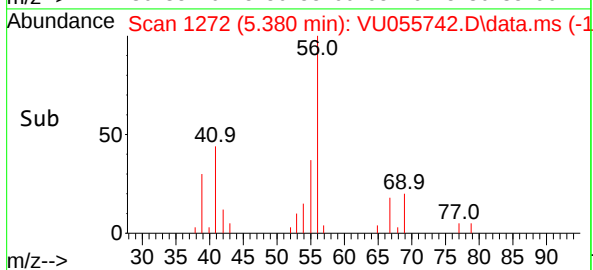
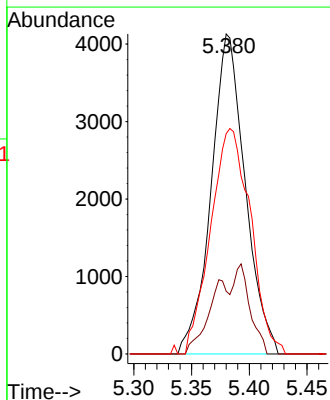
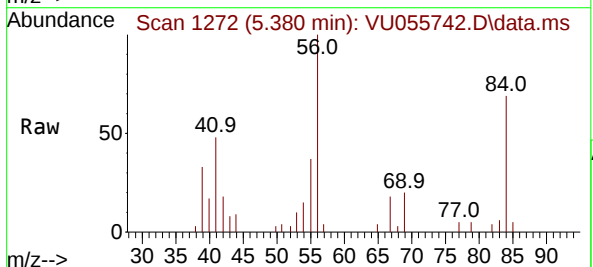
Manual Integrations
APPROVED

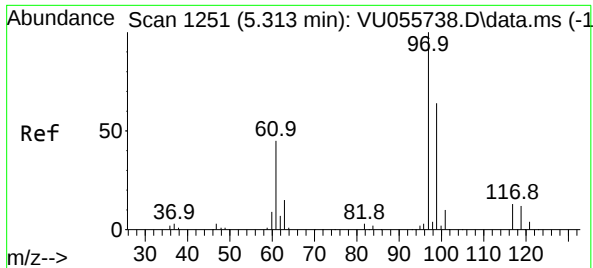
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#29
Cyclohexane
Concen: 1.764 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

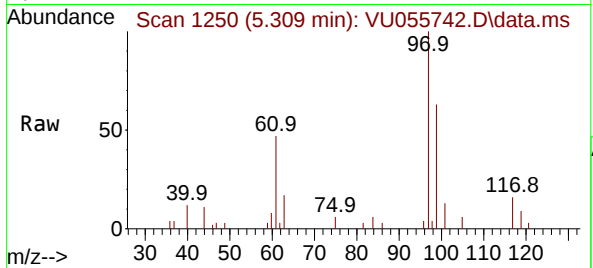
Tgt Ion: 56 Resp: 8454
Ion Ratio Lower Upper
56 100
69 14.7 24.9 37.3#
84 82.5 70.7 106.1





#30
1,1,1-Trichloroethane
Concen: 1.870 ug/L
RT: 5.309 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

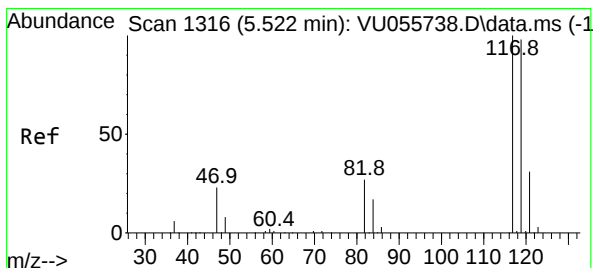
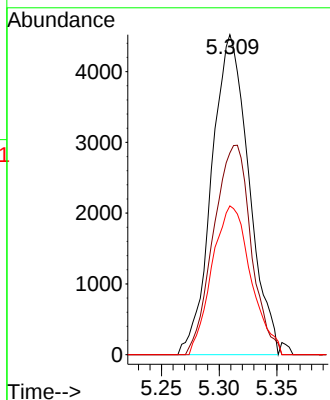
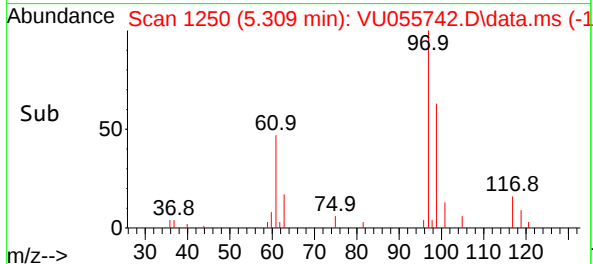
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



Tgt Ion: 97 Resp: 1009
Ion Ratio Lower Upper
97 100
99 66.4 51.6 77.4
61 48.7 36.8 55.2

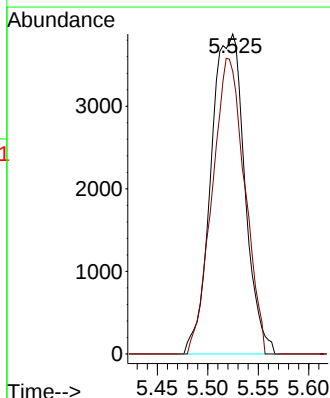
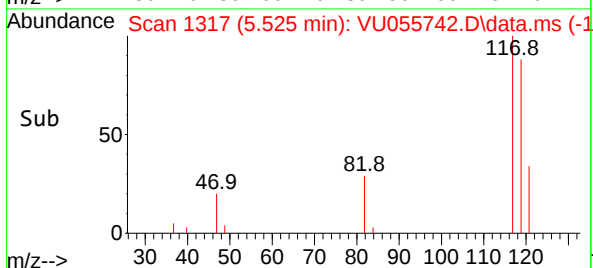
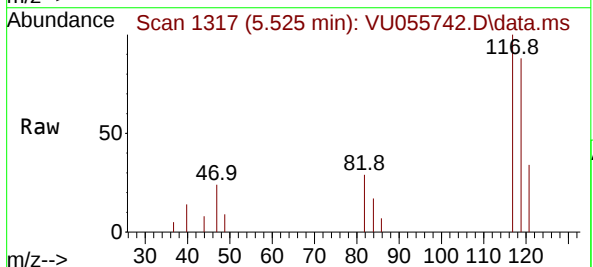
Manual Integrations
APPROVED

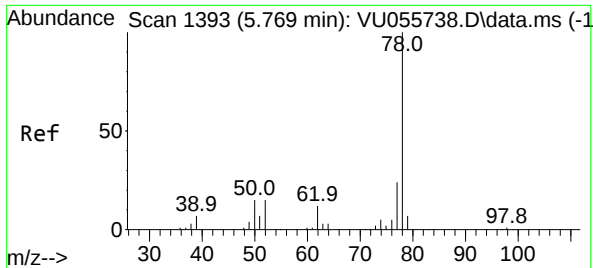
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#31
Carbon tetrachloride
Concen: 1.903 ug/L m
RT: 5.525 min Scan# 1317
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:117 Resp: 8996
Ion Ratio Lower Upper
117 100
119 89.3 75.4 113.0





#33

Benzene

Concen: 1.880 ug/L

RT: 5.769 min Scan# 1393

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

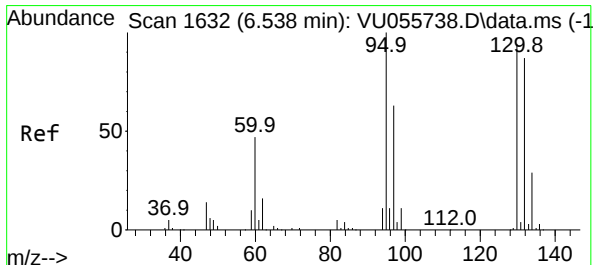
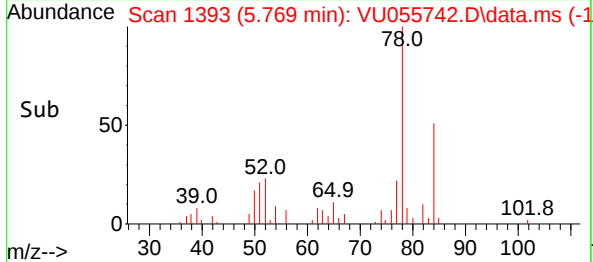
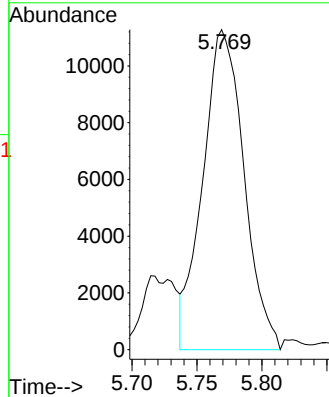
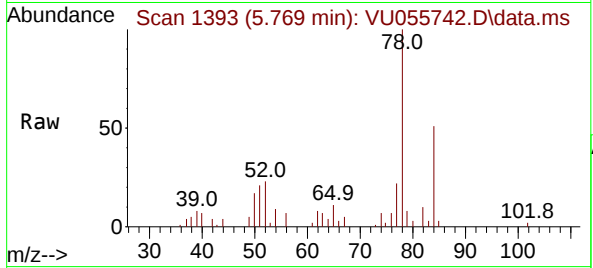
Tgt Ion: 78 Resp: 2484

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#34

Trichloroethene

Concen: 1.951 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Tgt Ion: 95 Resp: 7056

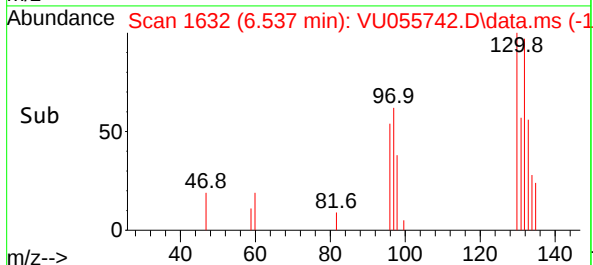
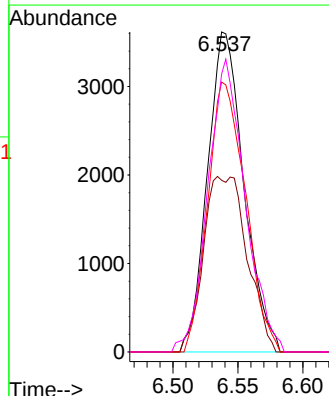
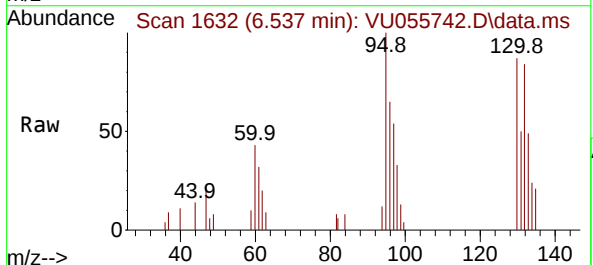
Ion Ratio Lower Upper

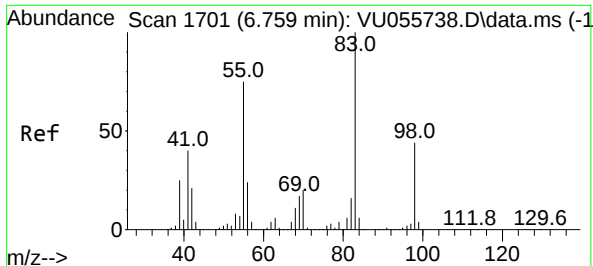
95 100

97 53.7 44.4 82.5

132 84.3 61.8 114.8

130 86.9 66.6 123.8





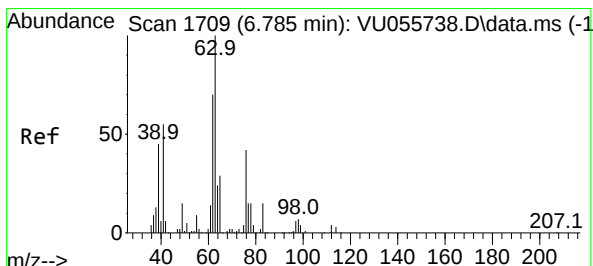
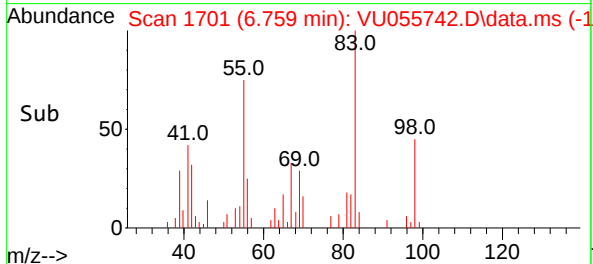
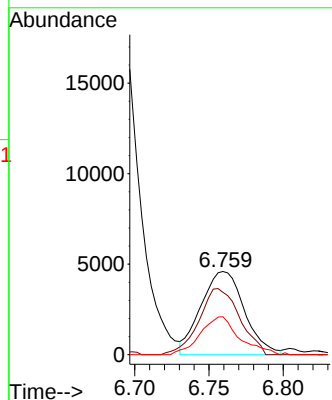
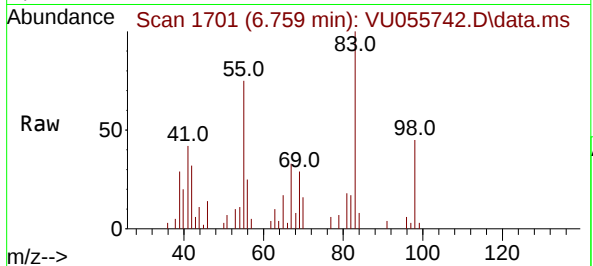
#35
Methylcyclohexane
Concen: 1.786 ug/L
RT: 6.759 min Scan# 1710
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 83 Resp: 9370
Ion Ratio Lower Upper
83 100
55 74.2 61.2 91.8
98 40.8 35.8 53.6

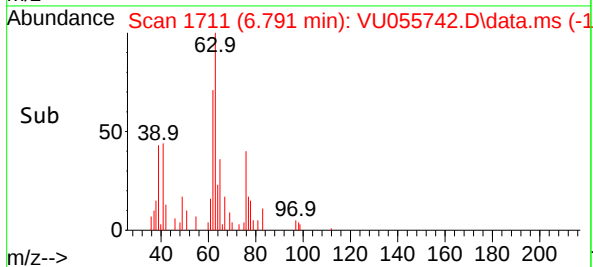
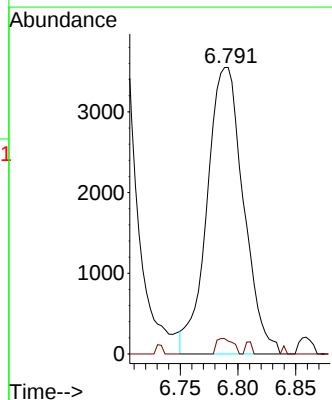
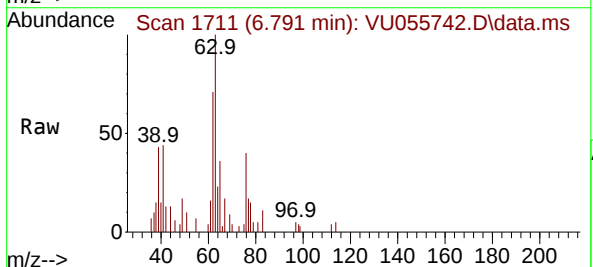
Manual Integrations
APPROVED

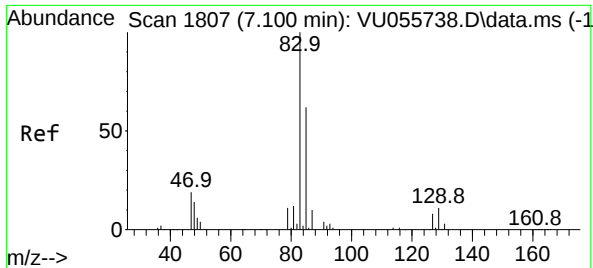
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#37
1,2-Dichloropropane
Concen: 2.135 ug/L
RT: 6.791 min Scan# 1711
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 63 Resp: 7768
Ion Ratio Lower Upper
63 100
112 2.4 3.0 4.4#





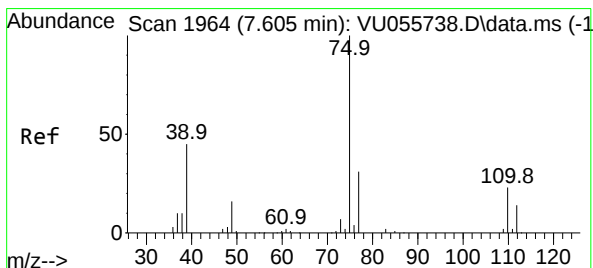
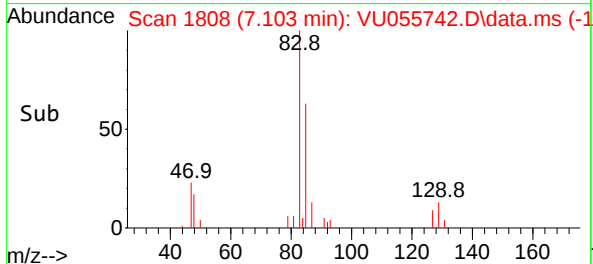
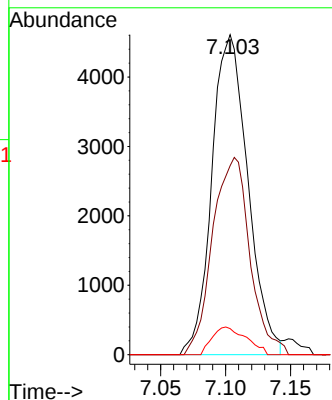
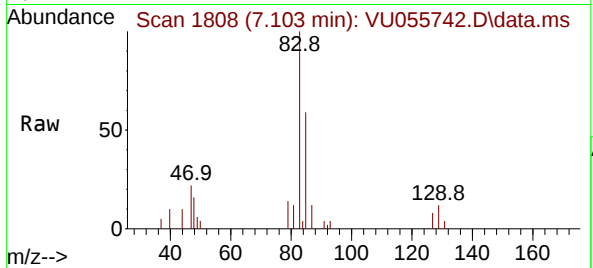
#38
Bromodichloromethane
Concen: 1.850 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 83 Resp: 887
Ion Ratio Lower Upper
83 100
85 59.0 46.0 85.4
127 8.2 7.0 10.4

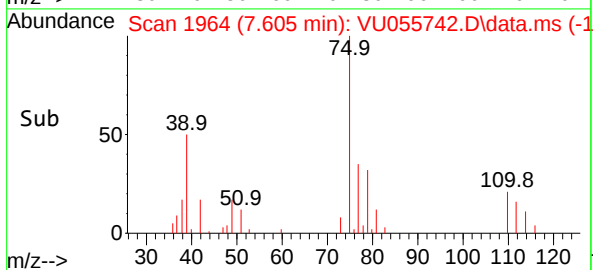
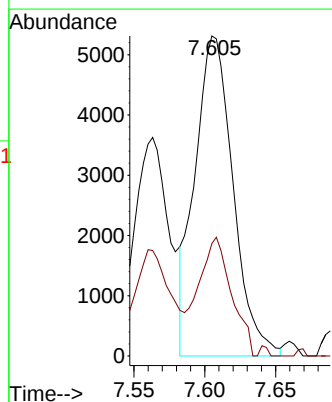
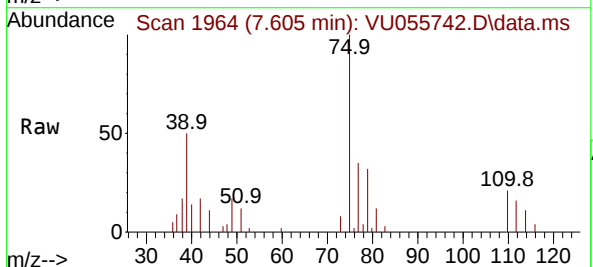
Manual Integrations
APPROVED

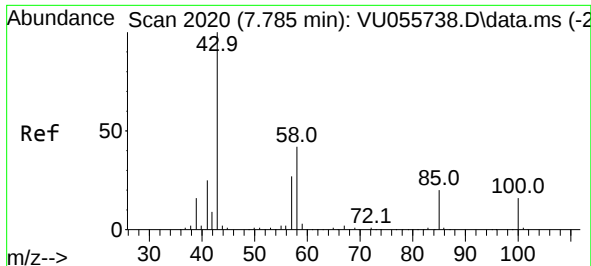
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#39
cis-1,3-Dichloropropene
Concen: 1.796 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 75 Resp: 9944
Ion Ratio Lower Upper
75 100
77 35.1 21.7 40.3





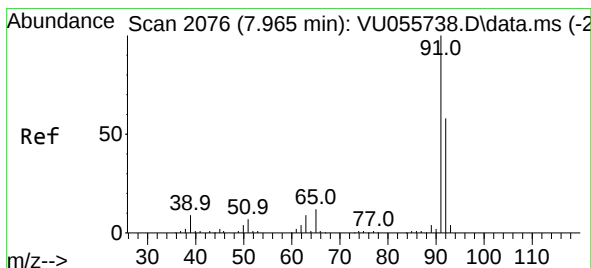
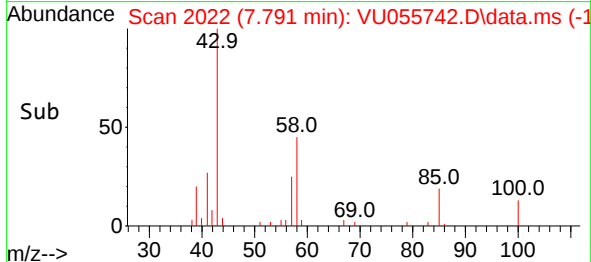
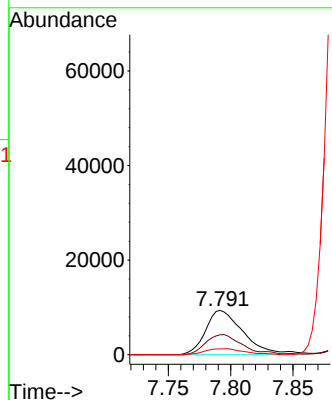
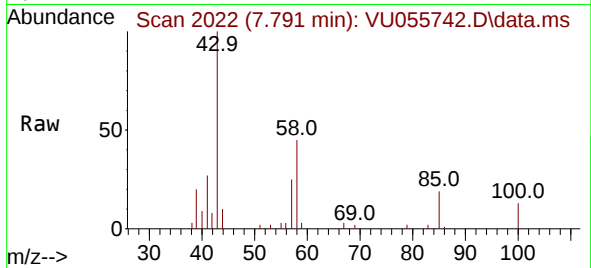
#40
4-Methyl-2-pentanone
Concen: 3.816 ug/L
RT: 7.791 min Scan# 2022
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 19320
Ion Ratio Lower Upper
43 100
58 42.2 32.3 48.5
100 13.7 12.0 18.0

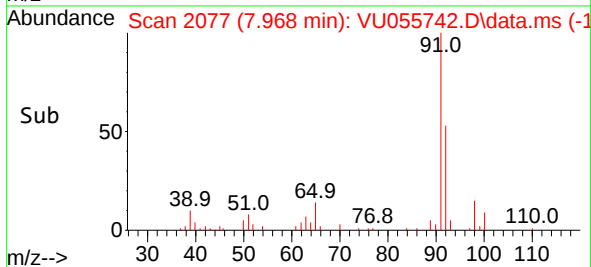
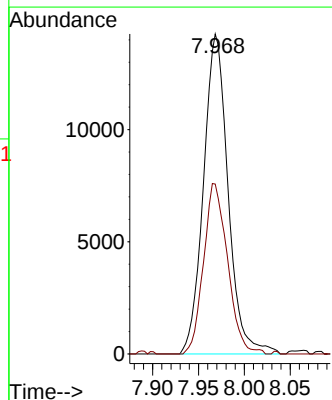
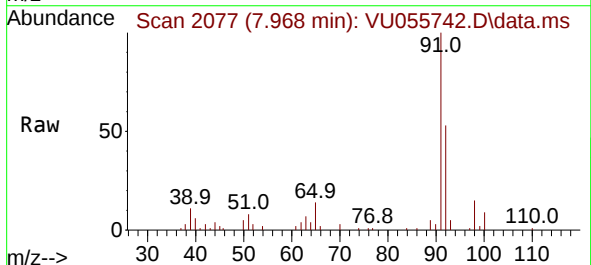
Manual Integrations
APPROVED

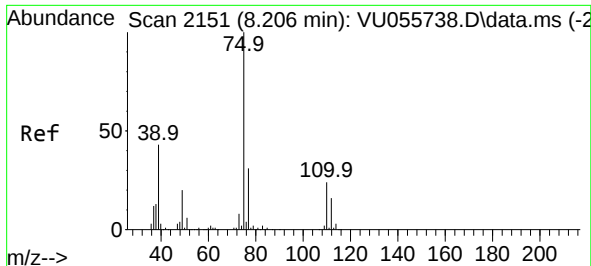
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#42
Toluene
Concen: 1.909 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

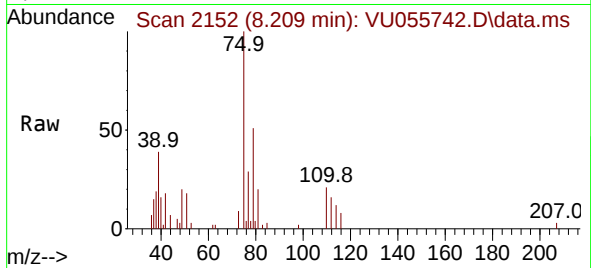
Tgt Ion: 91 Resp: 26624
Ion Ratio Lower Upper
91 100
92 53.1 40.0 74.4





#44
trans-1,3-Dichloropropene
Concen: 1.857 ug/L
RT: 8.209 min Scan# 2151
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

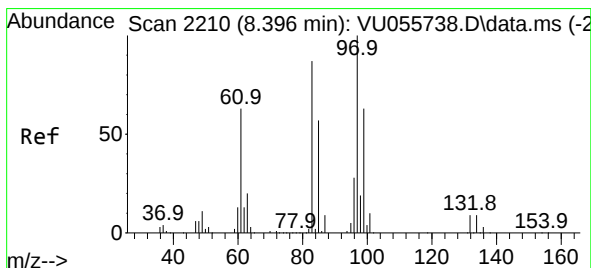
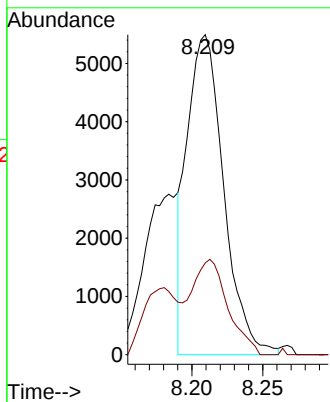
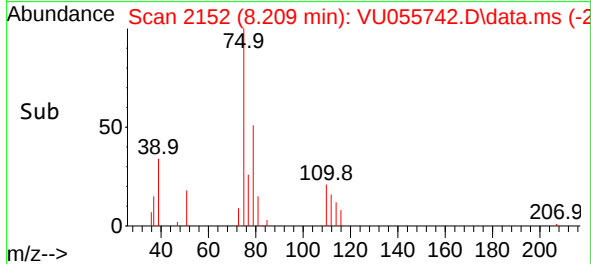
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



Tgt Ion: 75 Resp: 983
Ion Ratio Lower Upper
75 100
77 28.7 21.6 40.2

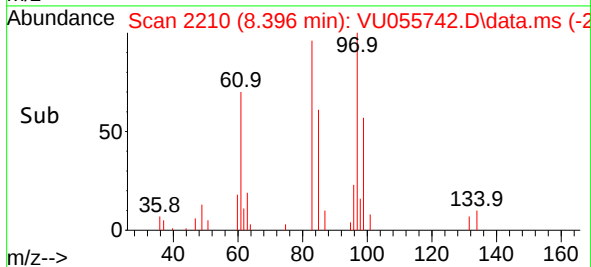
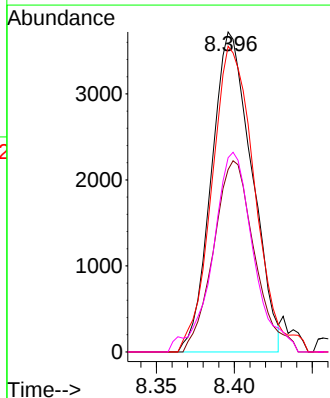
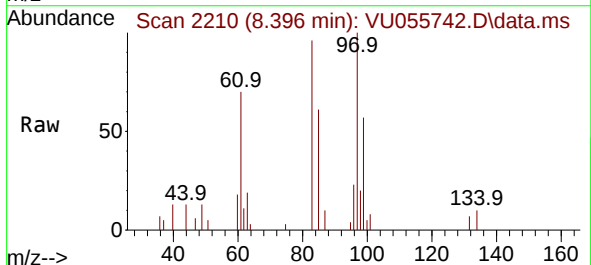
Manual Integrations
APPROVED

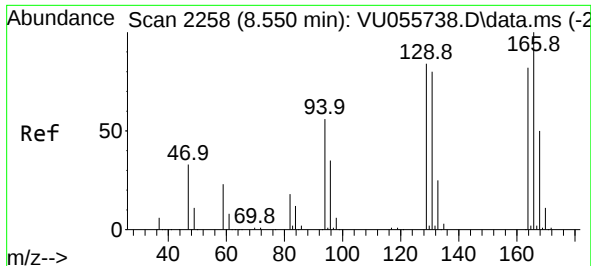
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#45
1,1,2-Trichloroethane
Concen: 1.873 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

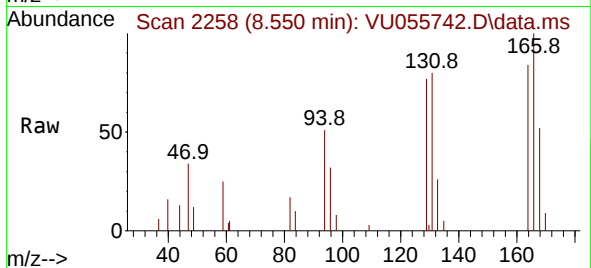
Tgt Ion: 97 Resp: 6722
Ion Ratio Lower Upper
97 100
99 57.0 44.4 82.5
83 95.6 60.4 112.2
85 60.7 38.6 71.8





#46
Tetrachloroethene
Concen: 1.775 ug/L
RT: 8.550 min Scan# 2100
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

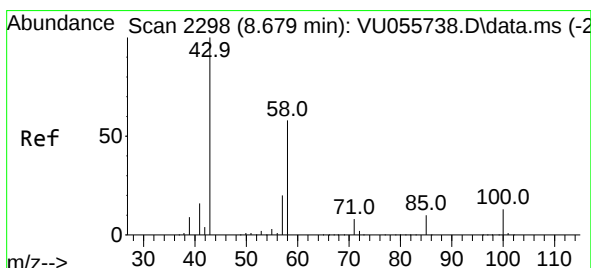
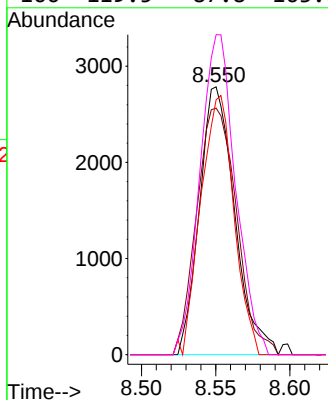
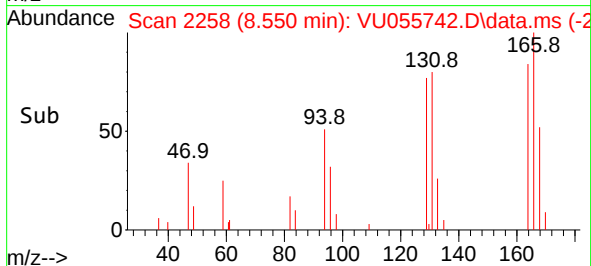
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



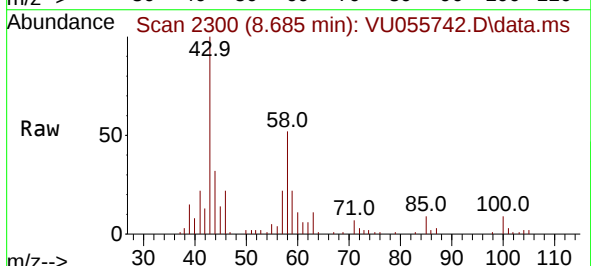
Tgt Ion:164 Resp: 459
Ion Ratio Lower Upper
164 100
129 96.0 70.7 131.3
131 95.2 65.9 122.5
166 119.5 87.8 163.0

Manual Integrations
APPROVED

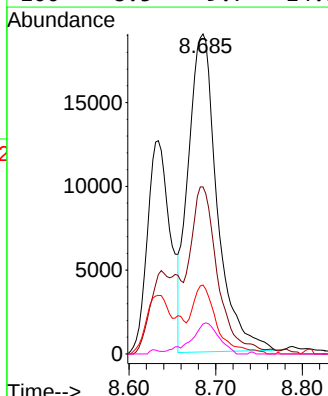
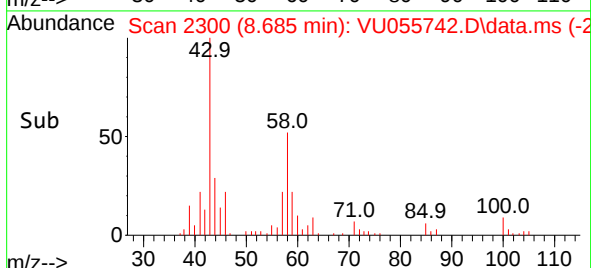
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

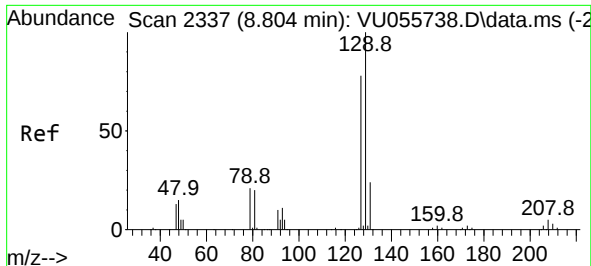


#48
2-Hexanone
Concen: 10.311 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



Tgt Ion: 43 Resp: 44092
Ion Ratio Lower Upper
43 100
58 46.8 45.2 67.8
57 16.2 16.1 24.1
100 8.5 9.7 14.5





#49

Dibromochloromethane

Concen: 1.770 ug/L

RT: 8.807 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

Tgt Ion:129 Resp: 6490

Ion Ratio Lower Upper

129 100

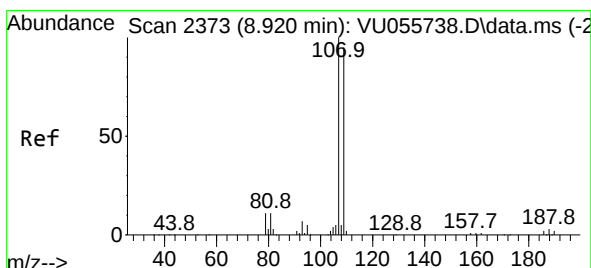
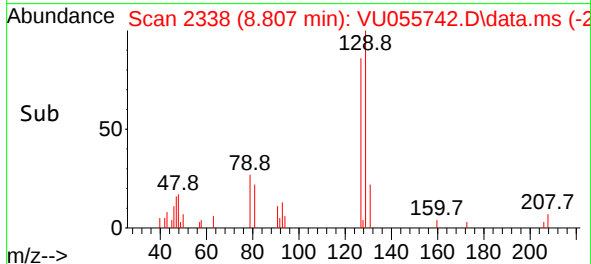
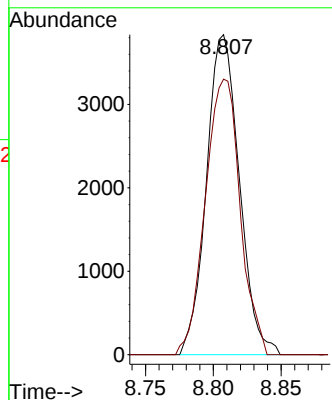
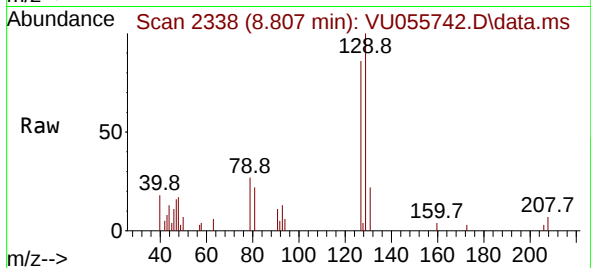
127 90.2 54.0 100.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#50

1,2-Dibromoethane

Concen: 1.858 ug/L

RT: 8.923 min Scan# 2374

Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

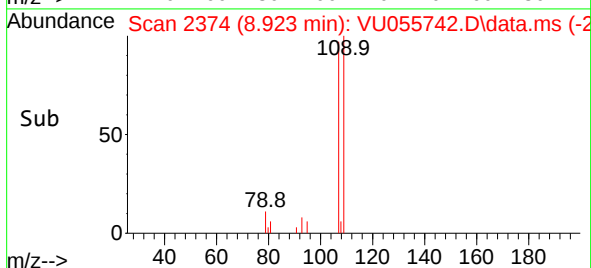
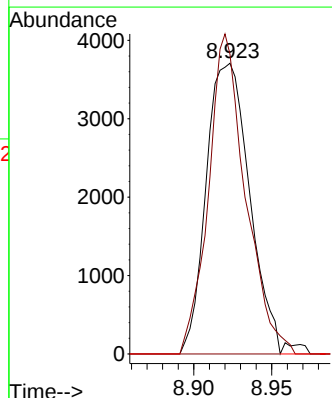
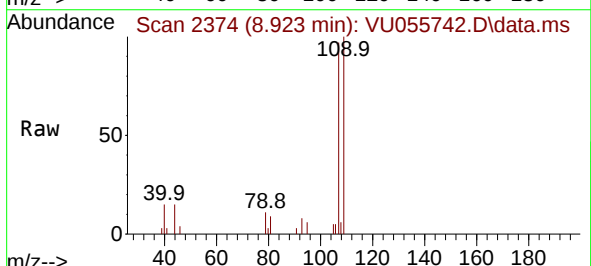
Tgt Ion:107 Resp: 7161

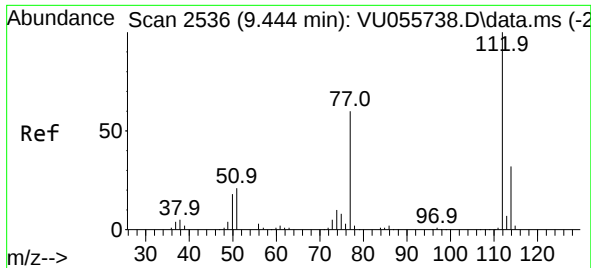
Ion Ratio Lower Upper

107 100

109 103.2 66.7 123.9

188 0.0 2.6 4.0#





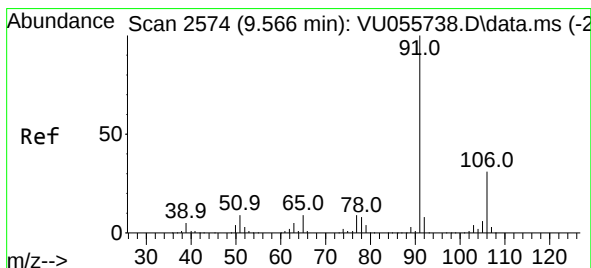
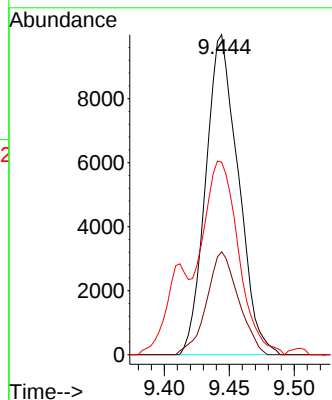
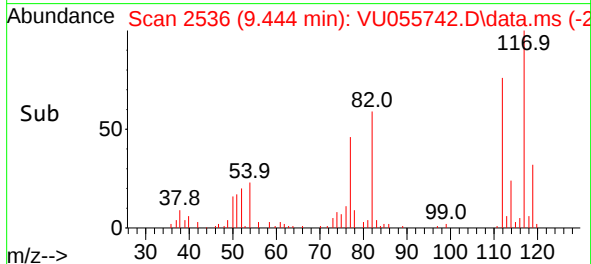
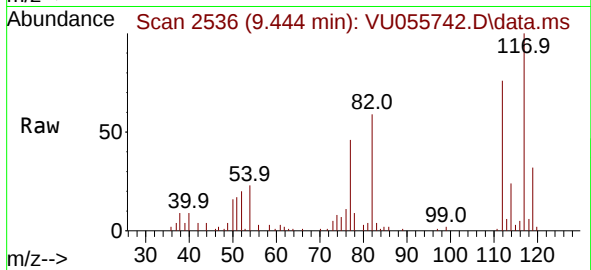
#51
Chlorobenzene
Concen: 1.931 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion:112 Resp: 17420
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 60.1 49.0 73.6

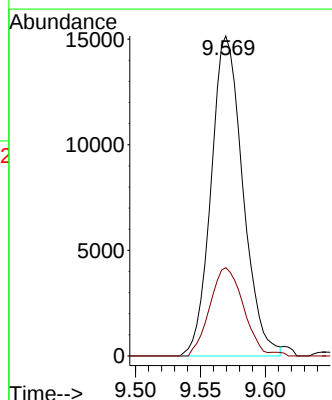
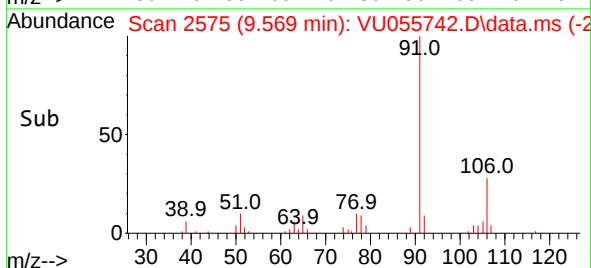
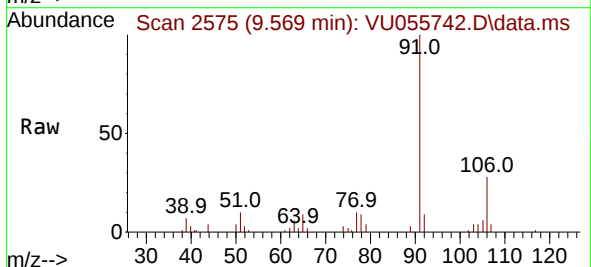
Manual Integrations
APPROVED

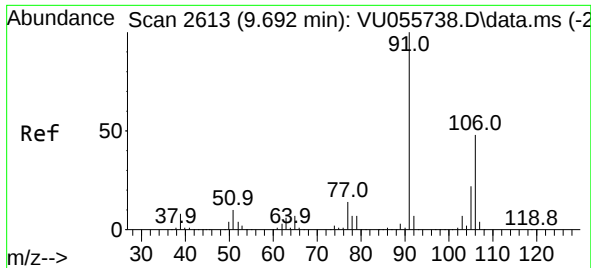
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#52
Ethylbenzene
Concen: 1.688 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion: 91 Resp: 25741
Ion Ratio Lower Upper
91 100
106 31.2 21.2 39.4





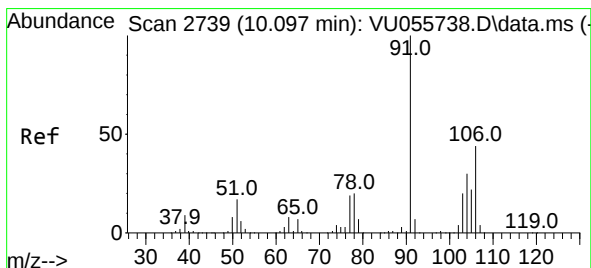
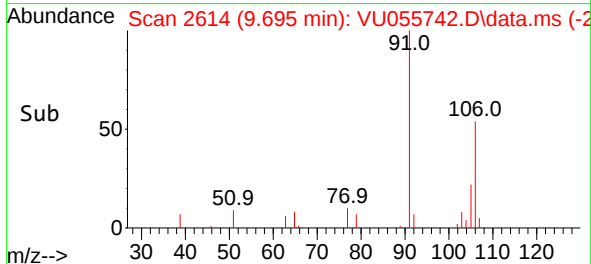
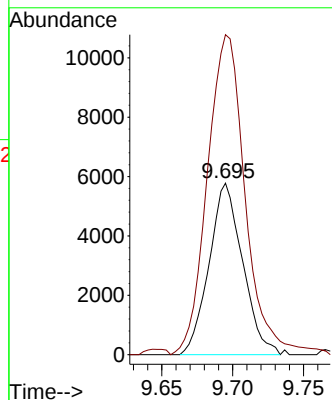
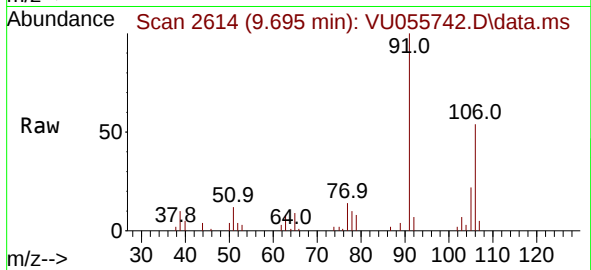
#53
m,p-Xylene
Concen: 1.664 ug/L
RT: 9.695 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion:106 Resp: 950
Ion Ratio Lower Upper
106 100
91 171.9 143.8 267.0

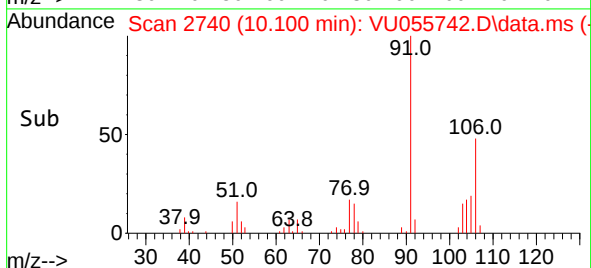
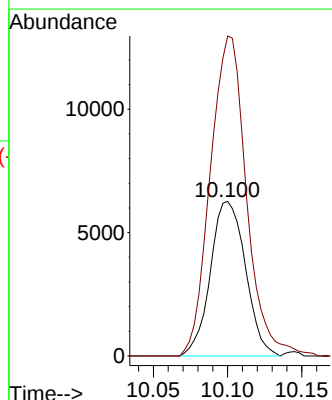
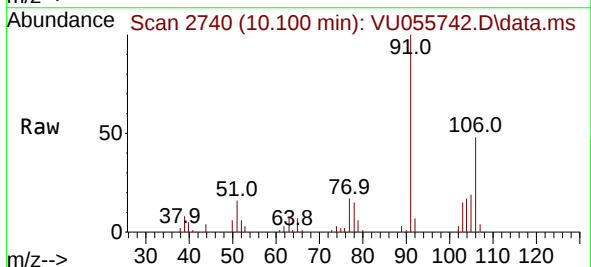
Manual Integrations
APPROVED

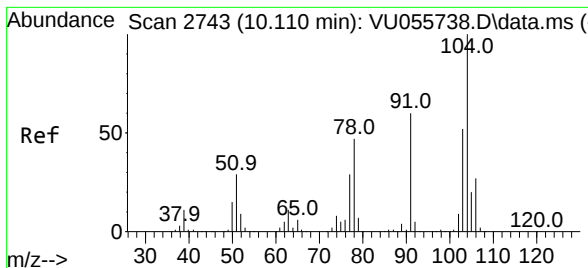
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#54
o-Xylene
Concen: 1.862 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:106 Resp: 10289
Ion Ratio Lower Upper
106 100
91 207.1 151.8 282.0





#55

Styrene

Concen: 1.628 ug/L

RT: 10.116 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08

Tgt Ion:104 Resp: 1524

Ion Ratio Lower Upper

104 100

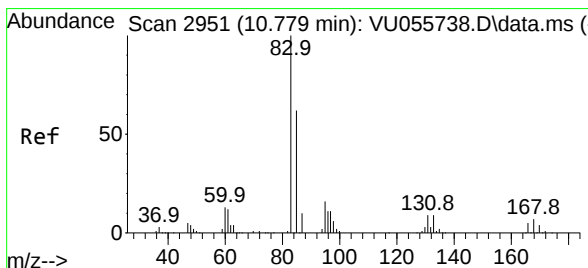
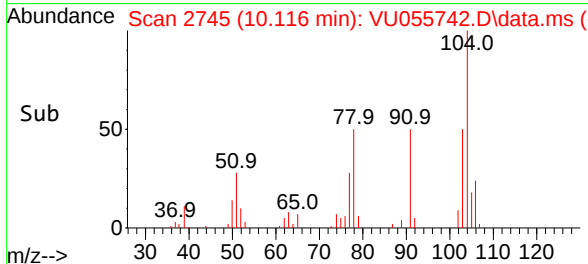
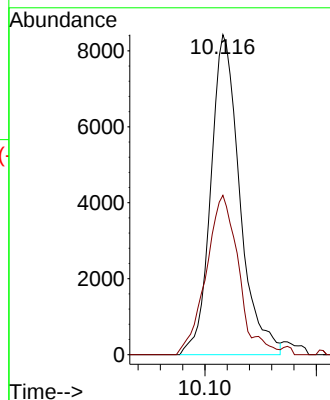
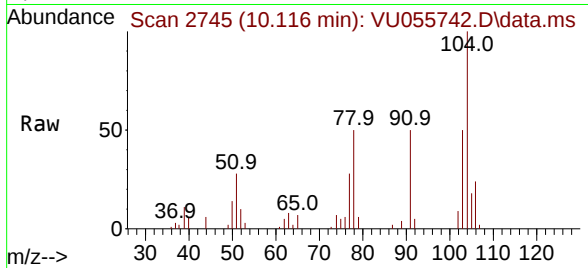
78 49.8 33.6 62.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 2.412 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

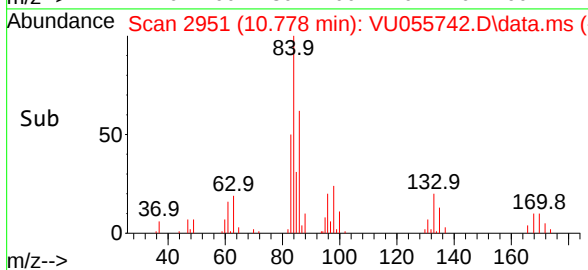
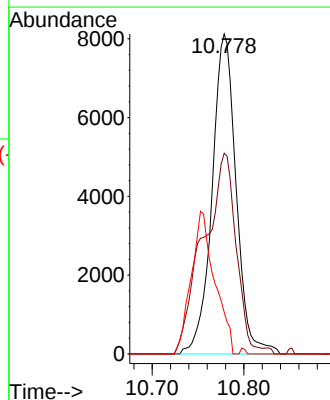
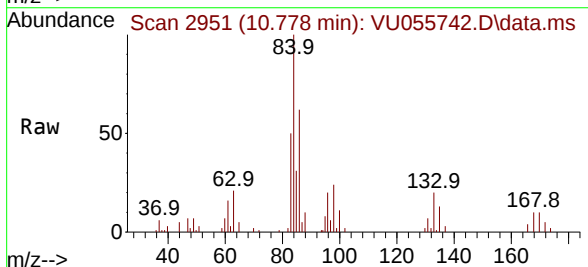
Tgt Ion: 83 Resp: 14820

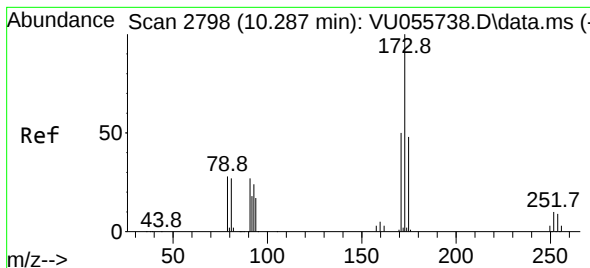
Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.5

131 13.1 7.3 10.9#





#59

Bromoform

Concen: 2.085 ug/L

RT: 10.290 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055742.D

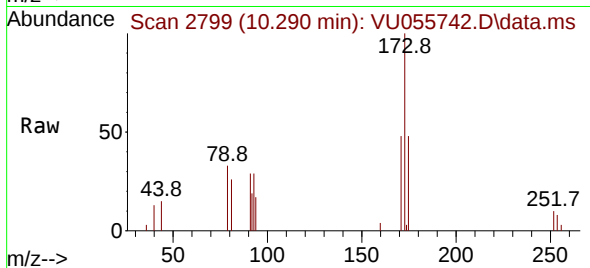
Acq: 11 Oct 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-08



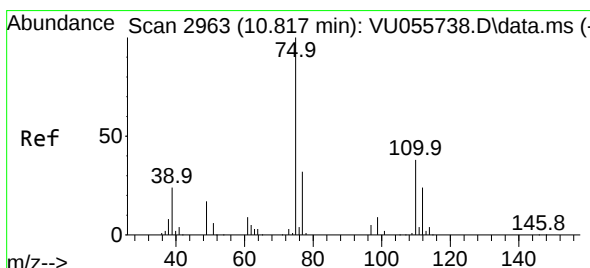
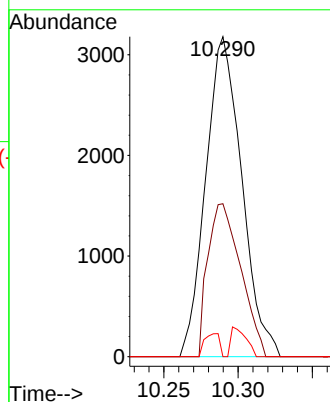
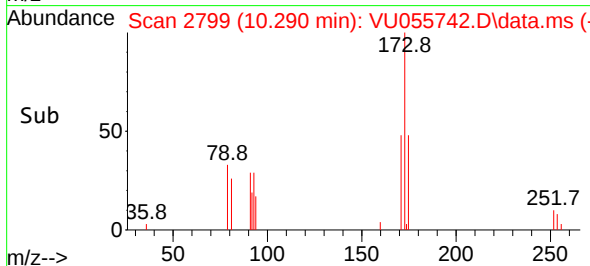
Tgt Ion:	173	Resp:	536
Ion Ratio	Lower	Upper	
173	100		
175	43.5	40.4	60.6
254	3.0	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#60

1,2,3-Trichloropropane

Concen: 2.534 ug/L

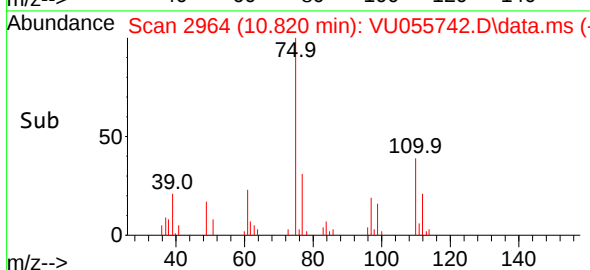
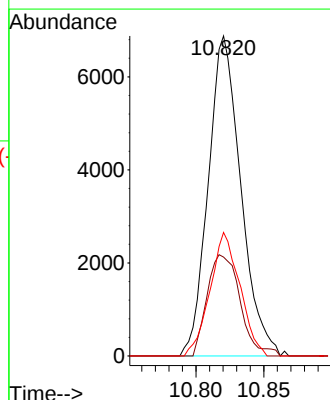
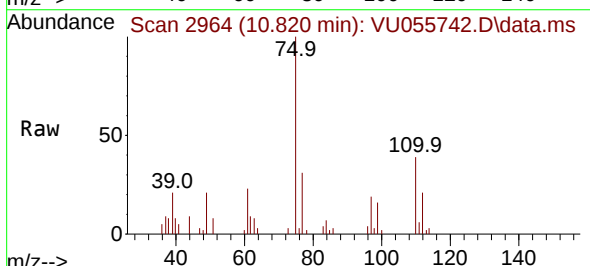
RT: 10.820 min Scan# 2964

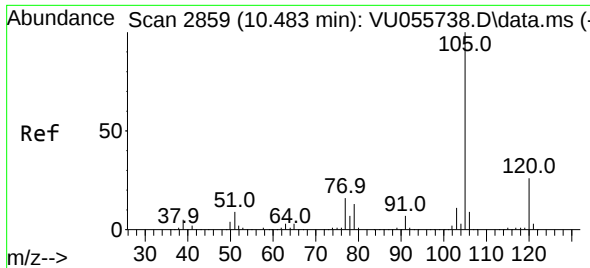
Delta R.T. 0.003 min

Lab File: VU055742.D

Acq: 11 Oct 2023 12:32

Tgt Ion:	75	Resp:	11499
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.8	38.8
110	35.3	28.5	42.7





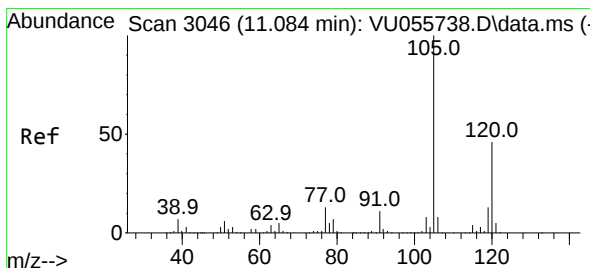
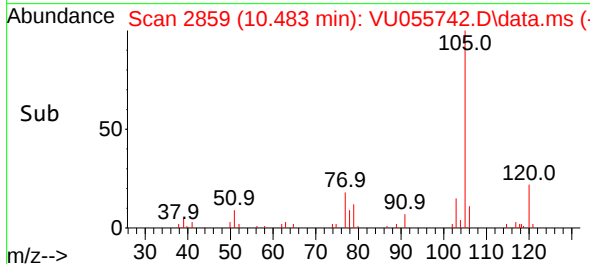
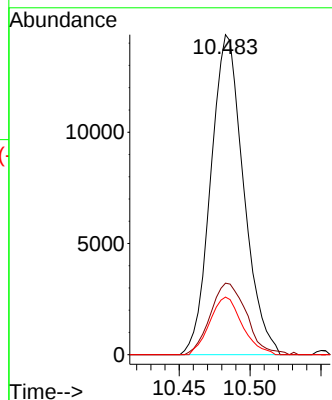
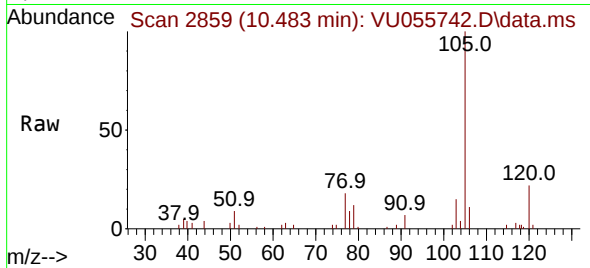
#61
Isopropylbenzene
Concen: 1.775 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 2313
Ion Ratio Lower Upper
105 100
120 24.6 20.6 30.8
77 17.8 13.4 20.0

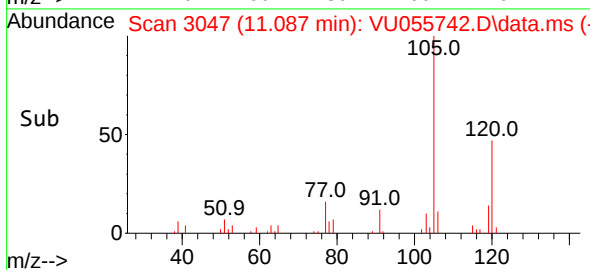
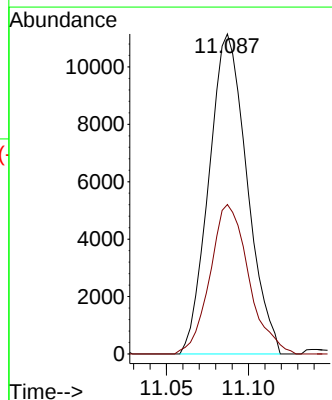
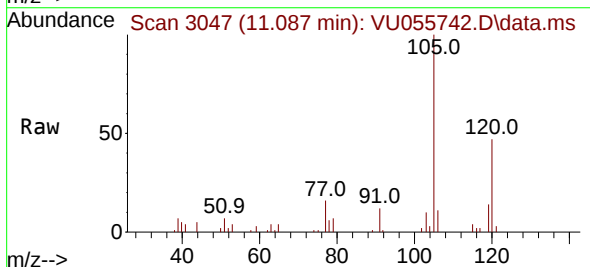
Manual Integrations
APPROVED

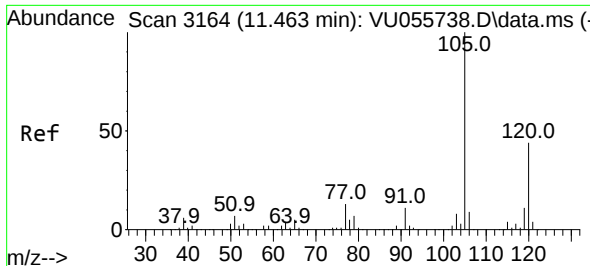
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#62
1,3,5-Trimethylbenzene
Concen: 1.705 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Tgt Ion:105 Resp: 17982
Ion Ratio Lower Upper
105 100
120 47.3 37.7 56.5





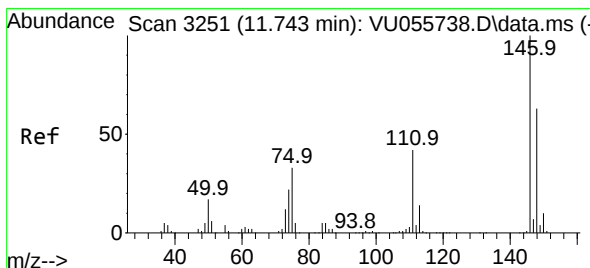
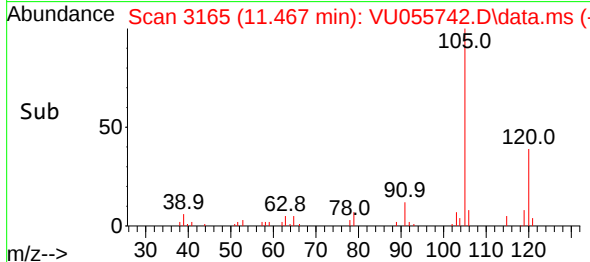
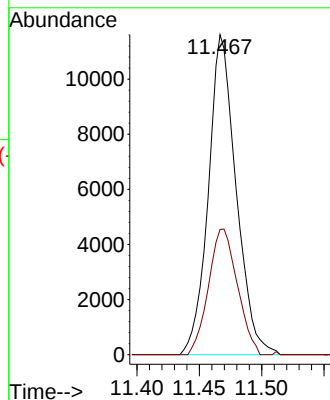
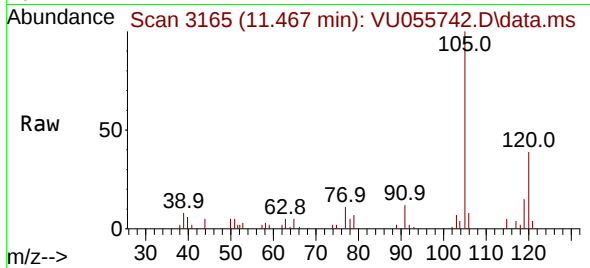
#63
1,2,4-Trimethylbenzene
Concen: 1.726 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 1800
Ion Ratio Lower Upper
105 100
120 40.7 35.0 52.4

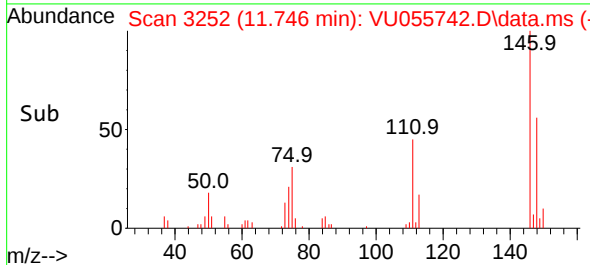
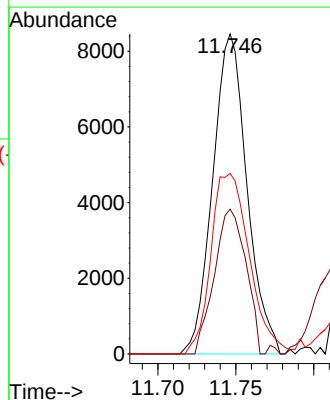
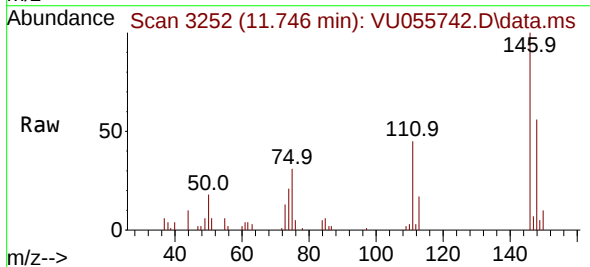
Manual Integrations
APPROVED

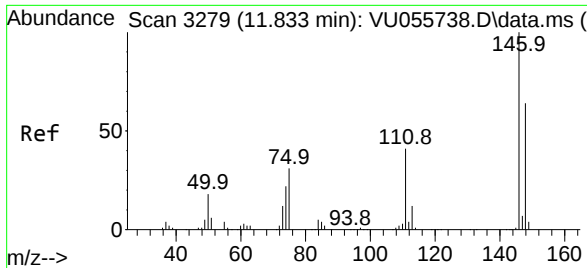
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#64
1,3-Dichlorobenzene
Concen: 2.007 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

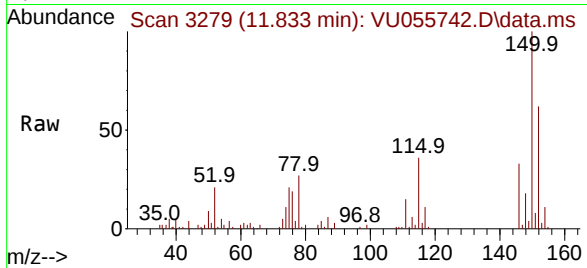
Tgt Ion:146 Resp: 12933
Ion Ratio Lower Upper
146 100
111 48.1 29.7 55.1
148 61.8 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 2.062 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

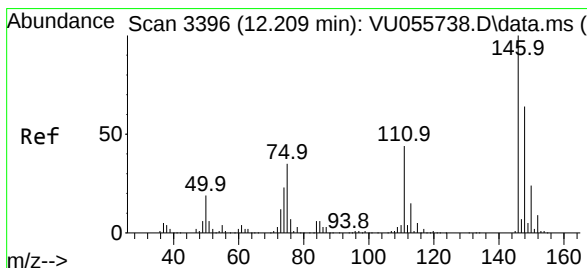
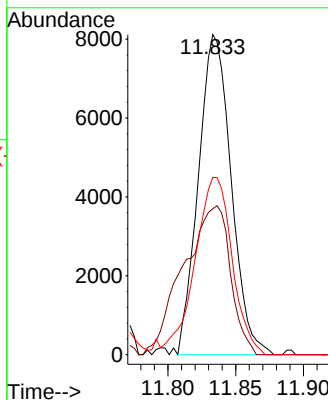
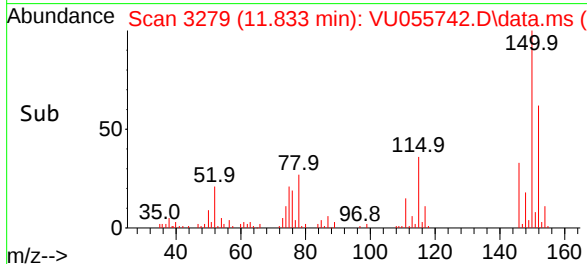
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-08



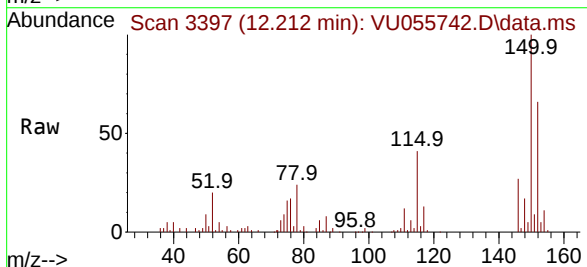
Tgt Ion:146 Resp: 1366
Ion Ratio Lower Upper
146 100
111 45.6 28.6 53.0
148 55.4 44.2 82.0

Manual Integrations
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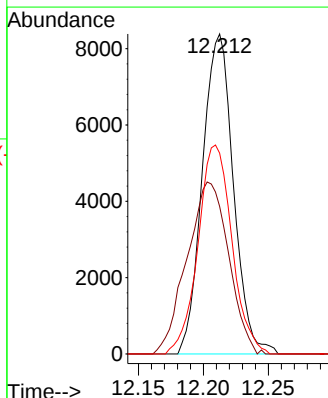
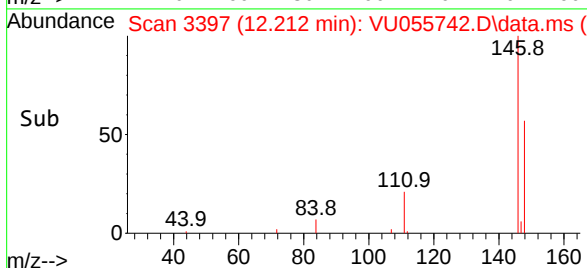
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

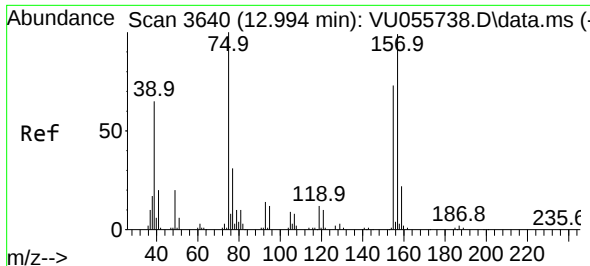


#67
1,2-Dichlorobenzene
Concen: 2.176 ug/L
RT: 12.212 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



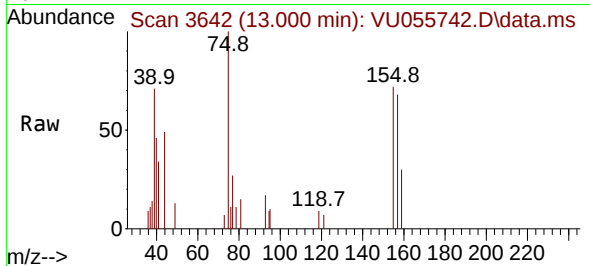
Tgt Ion:146 Resp: 13914
Ion Ratio Lower Upper
146 100
111 43.0 35.2 52.8
148 58.6 52.3 78.5





#68
1,2-Dibromo-3-chloropropane
Concen: 1.623 ug/L
RT: 13.000 min Scan# 30
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

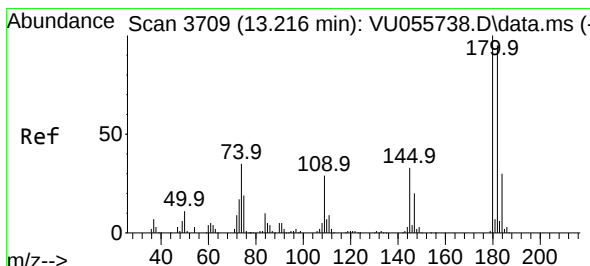
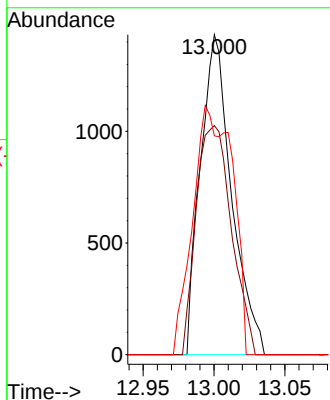
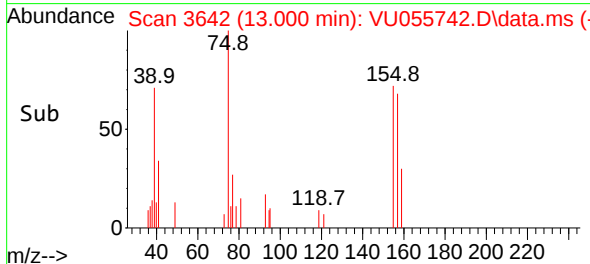
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



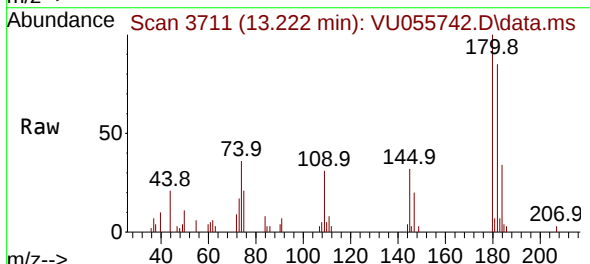
Tgt Ion: 75 Resp: 220
Ion Ratio Lower Upper
75 100
155 71.6 59.6 89.4
157 68.4 77.7 116.5

Manual Integrations
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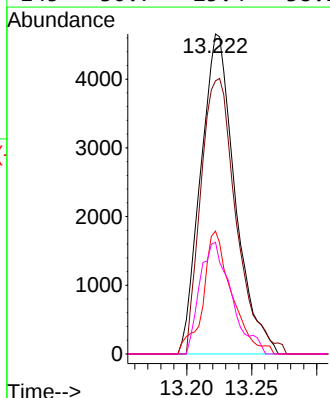
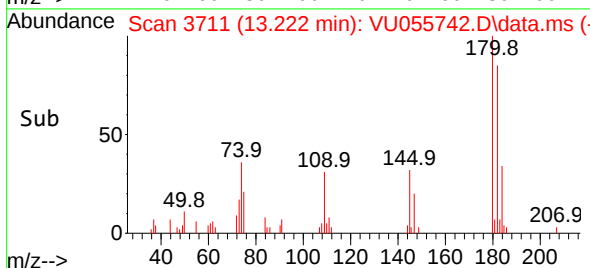
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

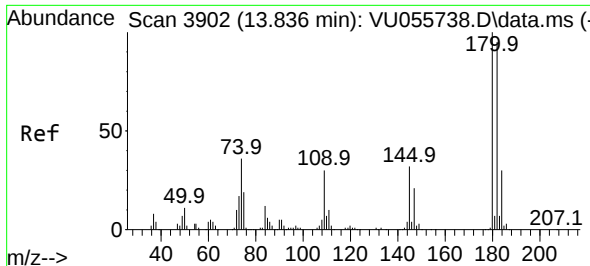


#69
1,3,5-Trichlorobenzene
Concen: 1.990 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.006 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



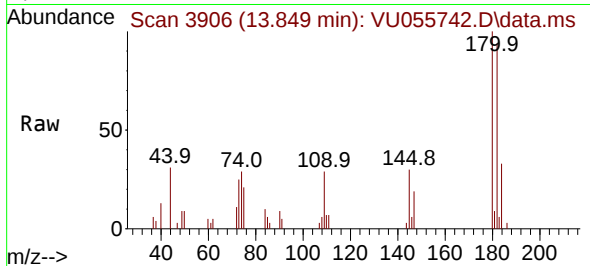
Tgt Ion:180 Resp: 8551
Ion Ratio Lower Upper
180 100
182 87.9 76.2 114.2
184 31.6 23.9 35.9
145 30.7 25.4 38.2





#70
1,2,4-trichlorobenzene
Concen: 1.700 ug/L
RT: 13.849 min Scan# 3906
Delta R.T. 0.013 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32

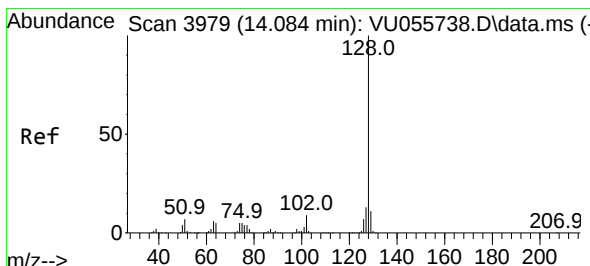
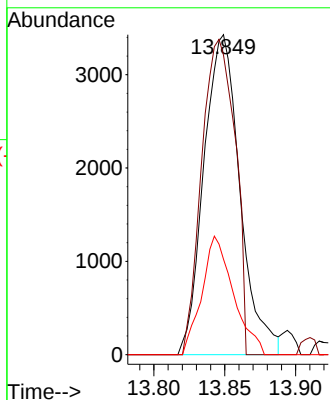
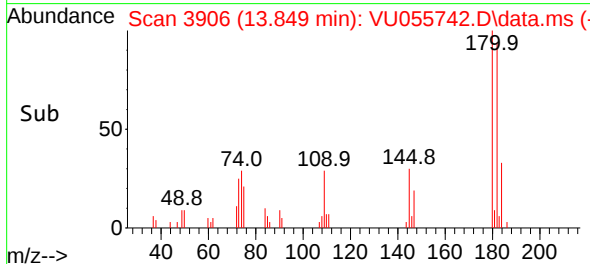
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-08



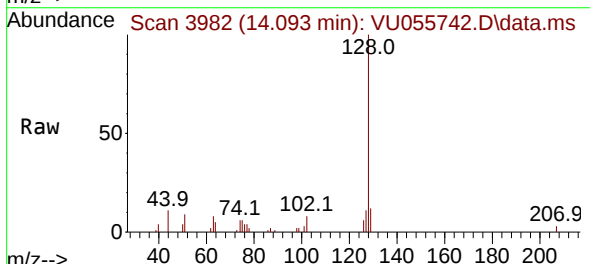
Tgt Ion:180 Resp: 6085
Ion Ratio Lower Upper
180 100
182 91.1 75.4 113.2
145 32.3 26.1 39.1

Manual Integrations
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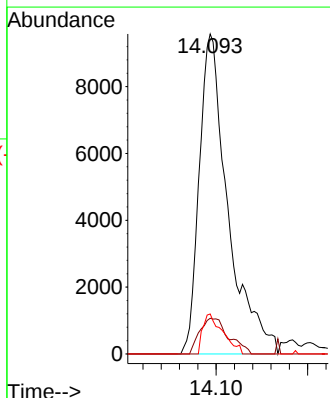
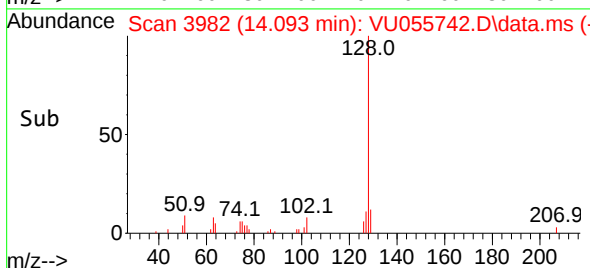
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

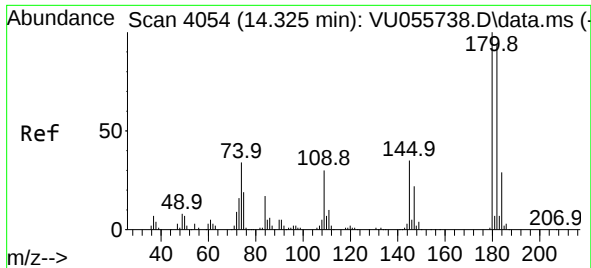


#71
Naphthalene
Concen: 1.959 ug/L m
RT: 14.093 min Scan# 3982
Delta R.T. 0.010 min
Lab File: VU055742.D
Acq: 11 Oct 2023 12:32



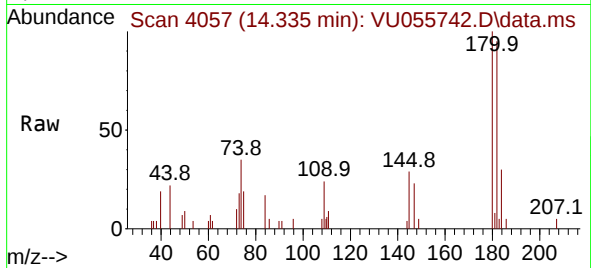
Tgt Ion:128 Resp: 20834
Ion Ratio Lower Upper
128 100
127 5.6 10.6 16.0#
129 8.5 8.7 13.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.655 ug/L
 RT: 14.335 min Scan# 4057
 Delta R.T. 0.010 min
 Lab File: VU055742.D
 Acq: 11 Oct 2023 12:32

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 584.2
 Ion Ratio Lower Upper
 180 100
 182 101.5 78.1 117.1
 145 35.5 27.4 41.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023

