

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031682.D
 Acq On : 11 Jul 2023 16:30
 Operator : SY/MD
 Sample : 03573-05
 Misc : 5.00g/5.0uL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 12 08:12:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	268241	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	287553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	136857	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	107886	44.436	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.880%		
7) Chloroethane-d5	1.532	69	98954	56.322	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	112.640%		
11) 1,1-Dichloroethene-d2	2.063	65	57219	52.905	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	105.820%		
21) 2-Butanone-d5	3.789	46	169481	109.235	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.230%		
24) Chloroform-d	4.256	84	240302	49.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.180%		
26) 1,2-Dichloroethane-d4	4.947	65	157489	51.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.380%		
32) Benzene-d6	4.966	84	422502	49.004	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.000%		
36) 1,2-Dichloropropane-d6	5.995	67	162342	58.238	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	116.480%		
41) Toluene-d8	7.249	98	357680	46.142	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.280%		
43) trans-1,3-Dichloroprop...	7.558	79	68317	49.080	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.160%		
47) 2-Hexanone-d5	8.030	63	104426	97.735	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.730%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	204009	48.319	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.640%		
66) 1,2-Dichlorobenzene-d4	11.567	152	141922	56.537	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	6977	2.092	ug/L	97
3) Chloromethane	1.217	50	6862	1.989	ug/L	87
5) Vinyl chloride	1.285	62	7575	2.345	ug/L	96
6) Bromomethane	1.487	94	4872	2.639	ug/L	85
8) Chloroethane	1.548	64	4301	2.414	ug/L	92
9) Trichlorofluoromethane	1.715	101	10562	2.282	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8098	3.039	ug/L #	81
12) 1,1-Dichloroethene	2.072	96	6699	2.892	ug/L #	1
13) Acetone	2.117	43	6191m	4.618	ug/L	
14) Carbon disulfide	2.243	76	17571	2.304	ug/L	98
15) Methyl Acetate	2.384	43	7474m	2.645	ug/L	
16) Methylene chloride	2.452	84	7061	2.579	ug/L	90
17) trans-1,2-Dichloroethene	2.699	96	4632	1.958	ug/L	84
18) Methyl tert-butyl Ether	2.709	73	13635	1.894	ug/L #	93
19) 1,1-Dichloroethane	3.121	63	11288	2.334	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	5332	2.197	ug/L	90
22) 2-Butanone	3.905	43	9247m	4.978	ug/L	
23) Bromochloromethane	4.162	128	2844m	2.155	ug/L	
25) Chloroform	4.285	83	13076	2.636	ug/L	97

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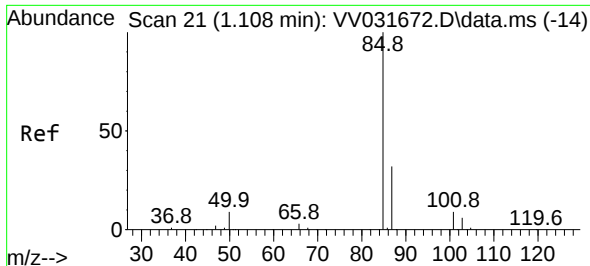
Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/12/2023

Supervised By :Mahesh
 Dadoda
 07/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	8901	2.415	ug/L	98
29) Cyclohexane	4.593	56	6491	1.722	ug/L	91
30) 1,1,1-Trichloroethane	4.526	97	10087m	2.245	ug/L	
31) Carbon tetrachloride	4.747	117	8829	2.217	ug/L	93
33) Benzene	5.024	78	21572m	2.200	ug/L	
34) Trichloroethene	5.841	95	6457	2.340	ug/L #	10
35) Methylcyclohexane	6.059	83	8262m	2.200	ug/L	
37) 1,2-Dichloropropane	6.108	63	6780m	2.473	ug/L	
38) Bromodichloromethane	6.445	83	8462	2.277	ug/L #	88
39) cis-1,3-Dichloropropene	6.966	75	8308m	2.003	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	11869	3.481	ug/L	91
42) Toluene	7.329	91	18582	1.835	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	8738m	2.112	ug/L	
45) 1,1,2-Trichloroethane	7.783	97	5823	2.145	ug/L	91
46) Tetrachloroethene	7.915	164	4234	2.018	ug/L	90
49) Dibromochloromethane	8.185	129	6194	2.055	ug/L	92
50) 1,2-Dibromoethane	8.294	107	6371	2.130	ug/L #	97
51) Chlorobenzene	8.821	112	13713	2.043	ug/L	90
52) Ethylbenzene	8.956	91	19576	1.777	ug/L	96
53) m,p-Xylene	9.085	106	6925	1.705	ug/L	81
54) o-Xylene	9.490	106	6031	1.603	ug/L	96
55) Styrene	9.509	104	9458	1.366	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	9740	2.311	ug/L #	87
59) Bromoform	9.673	173	4328	2.475	ug/L #	92
60) Isopropylbenzene	9.876	105	14622	1.750	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	8575	3.013	ug/L	91
62) 1,3,5-Trimethylbenzene	10.484	105	12326	1.805	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	11301	1.662	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	9398	2.165	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	10801	2.294	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	10896	2.448	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.371	75	2047	2.357	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.590	180	6874	2.114	ug/L	89
70) 1,2,4-trichlorobenzene	13.207	180	6369	2.210	ug/L	95
71) Naphthalene	13.448	128	15566	1.867	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.689	180	5968	1.976	ug/L	96

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



#2
Dichlorodifluoromethane
Concen: 2.092 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

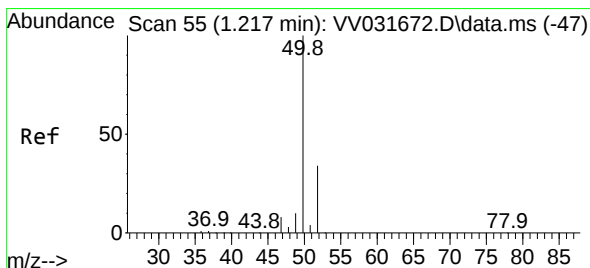
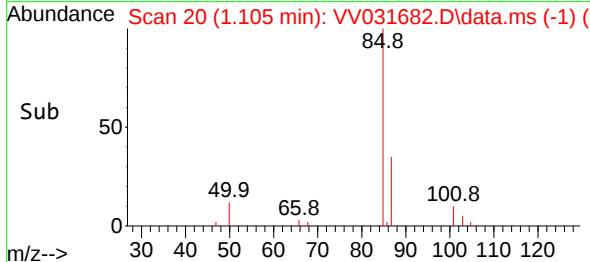
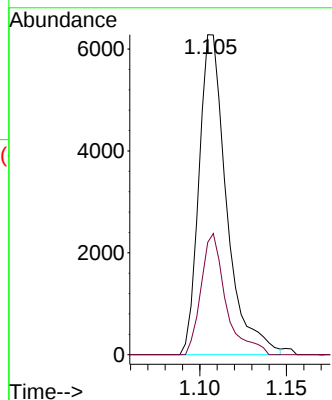
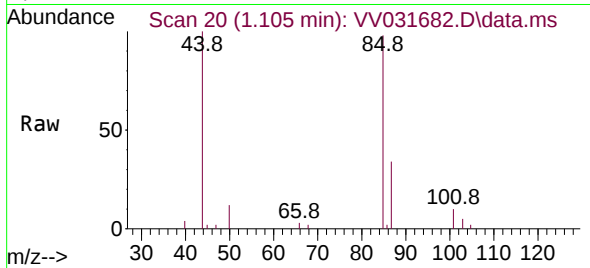
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 85 Resp: 697
Ion Ratio Lower Upper
85 100
87 34.0 25.8 38.6

Manual Integrations
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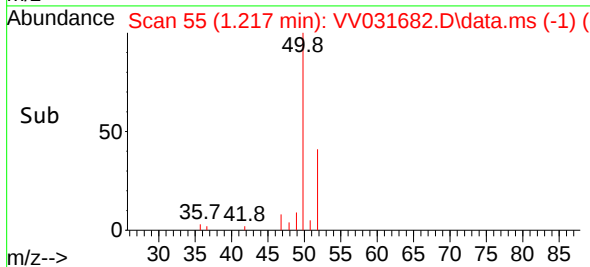
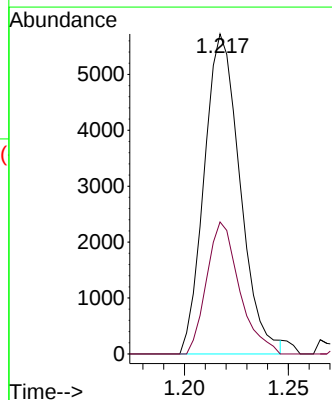
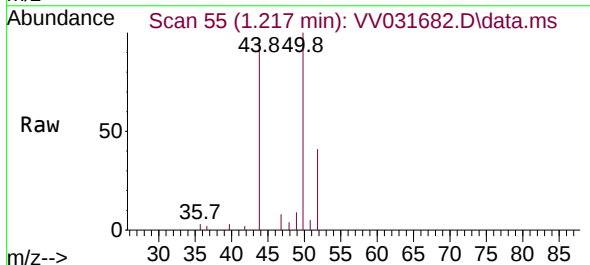
Reviewed By :John
Carlone
07/12/2023

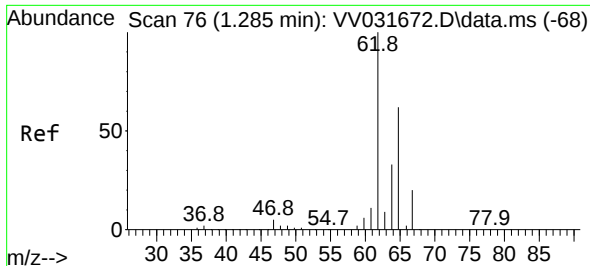
Supervised By :Mahesh
Dadoda
07/12/2023



#3
Chloromethane
Concen: 1.989 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

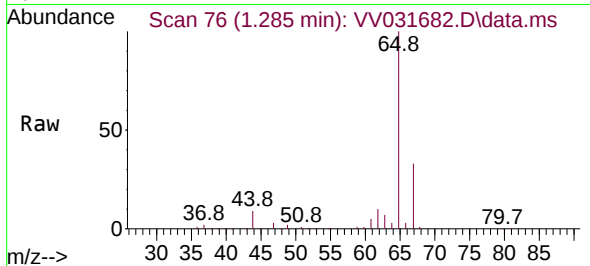
Tgt Ion: 50 Resp: 6862
Ion Ratio Lower Upper
50 100
52 41.3 23.7 44.1





#5
 Vinyl chloride
 Concen: 2.345 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

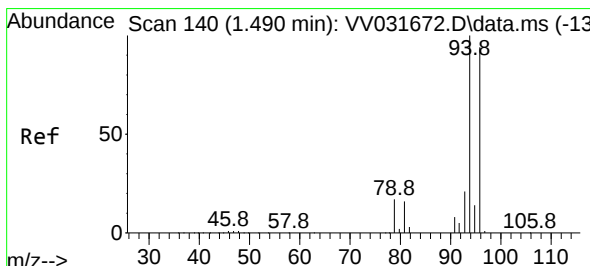
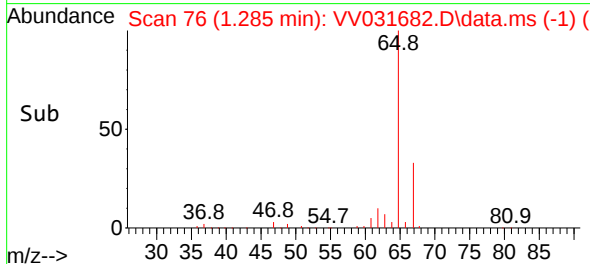
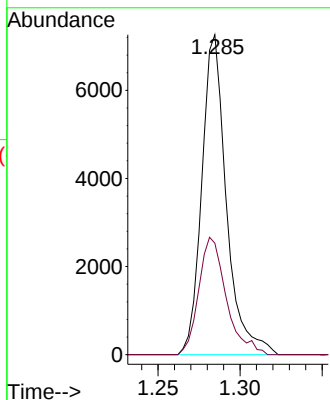


Tgt Ion: 62 Resp: 757
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.9 42.5

Manual Integrations
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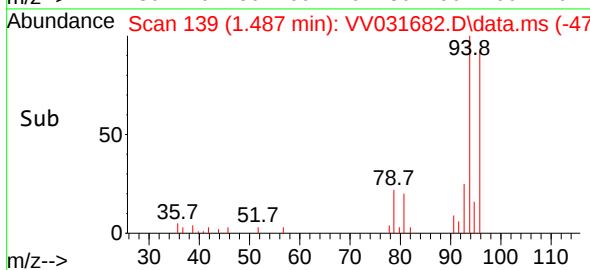
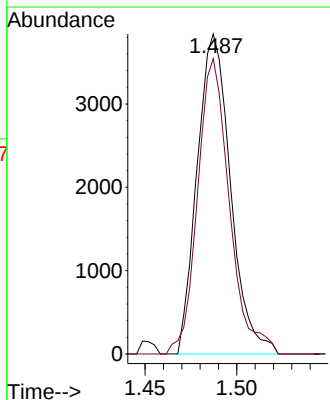
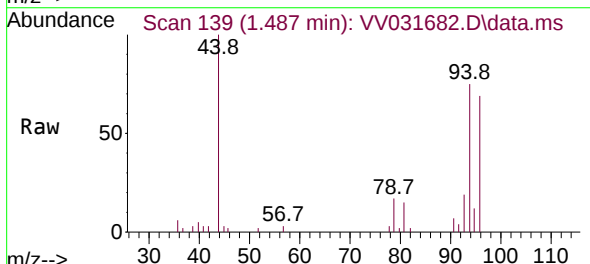
Reviewed By :John
 Carlone
 07/12/2023

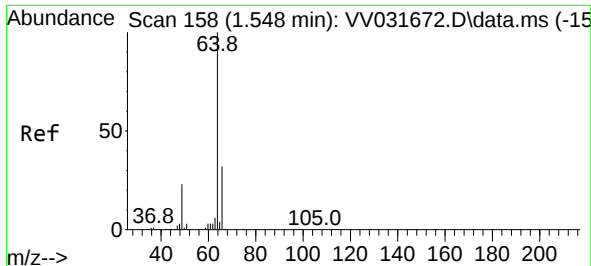
Supervised By :Mahesh
 Dadoda
 07/12/2023



#6
 Bromomethane
 Concen: 2.639 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

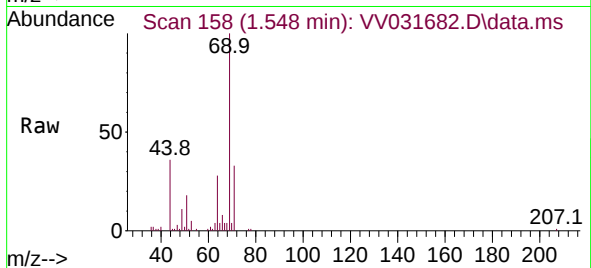
Tgt Ion: 94 Resp: 4872
 Ion Ratio Lower Upper
 94 100
 96 79.3 65.7 121.9





#8
Chloroethane
Concen: 2.414 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

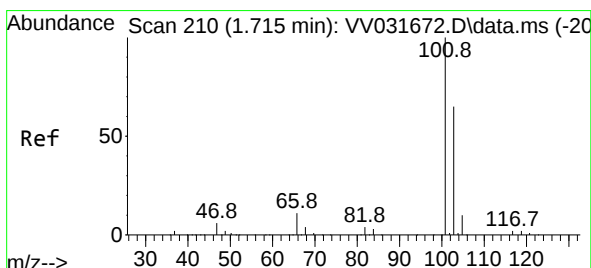
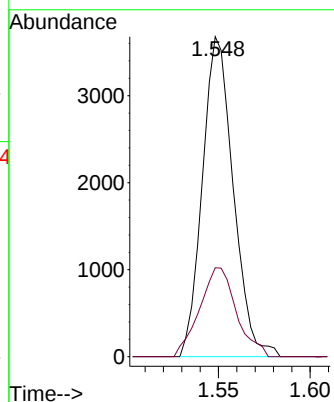
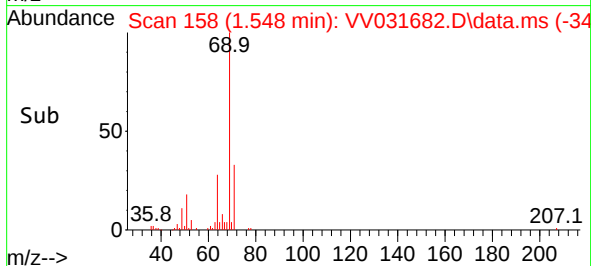
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 27.8 22.4 41.6

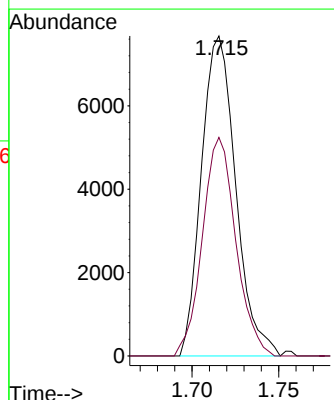
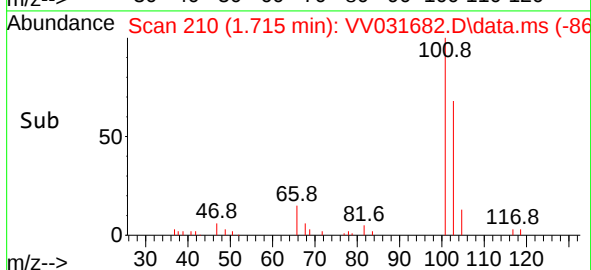
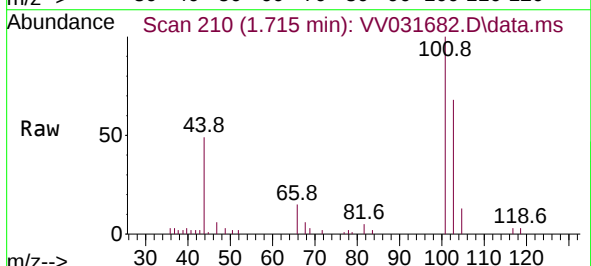
Manual Integrations
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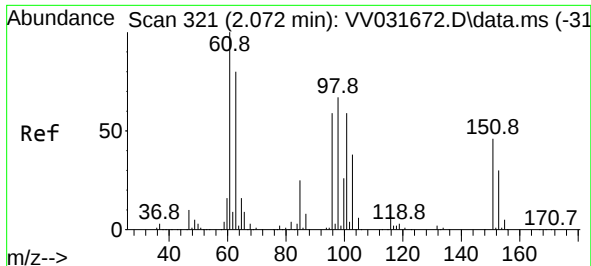
Reviewed By :John
Carlone
07/12/2023
Supervised By :Mahesh
Dadoda
07/12/2023



#9
Trichlorofluoromethane
Concen: 2.282 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:101 Resp: 10562
Ion Ratio Lower Upper
101 100
103 66.6 51.7 77.5





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.039 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

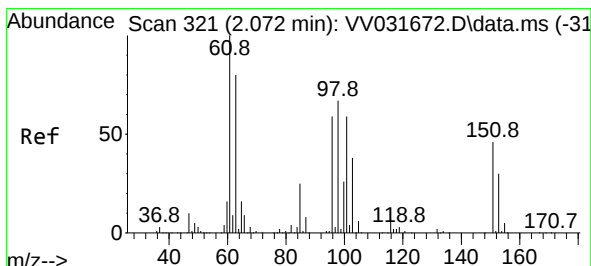
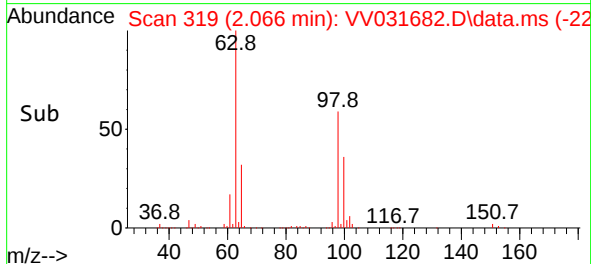
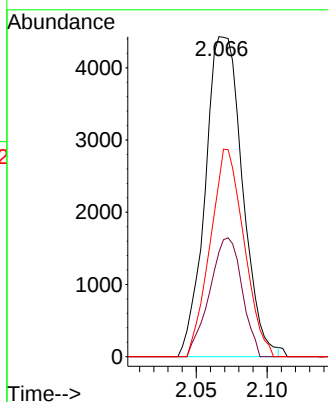
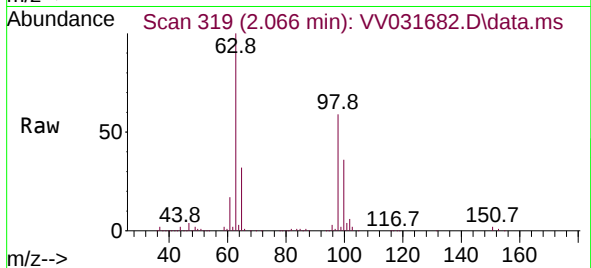
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion:101 Resp: 8098
Ion Ratio Lower Upper
101 100
85 32.2 33.9 50.9
151 58.8 61.0 91.6

Manual Integrations
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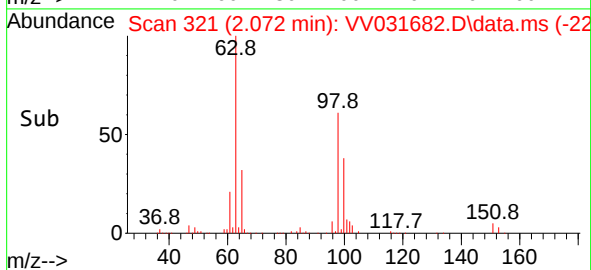
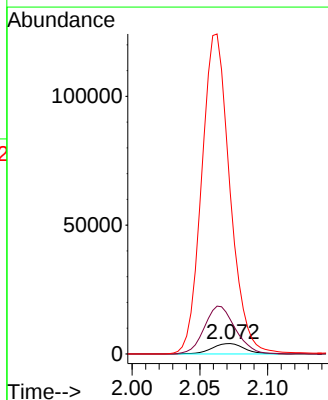
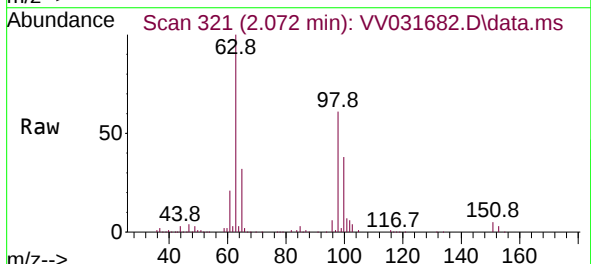
Reviewed By :John
Carlone
07/12/2023

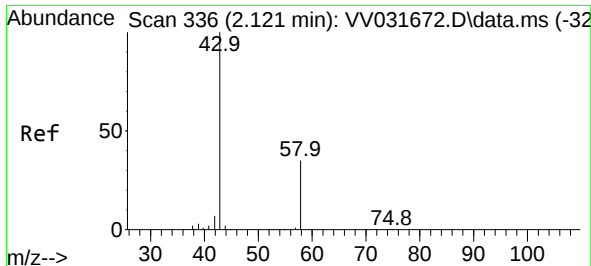
Supervised By :Mahesh
Dadoda
07/12/2023



#12
1,1-Dichloroethene
Concen: 2.892 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 96 Resp: 6699
Ion Ratio Lower Upper
96 100
61 333.5 118.3 219.7#
63 1558.1 96.8 179.8#





#13

Acetone

Concen: 4.618 ug/L m

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 29.3 0.0 72.0

Manual Integrations

APPROVED

Reviewed By :John

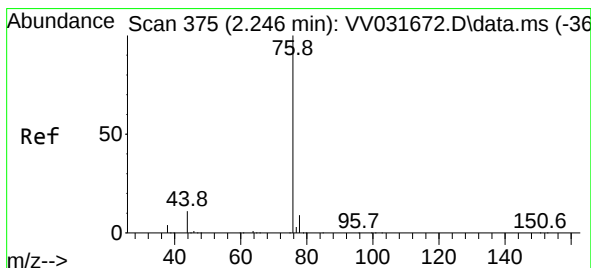
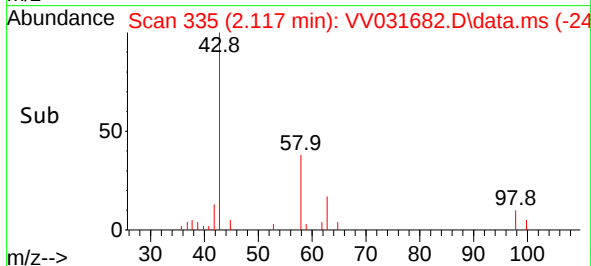
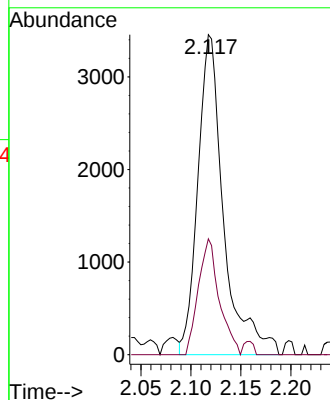
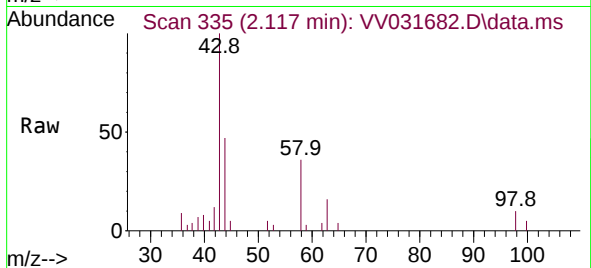
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#14

Carbon disulfide

Concen: 2.304 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.003 min

Lab File: VV031682.D

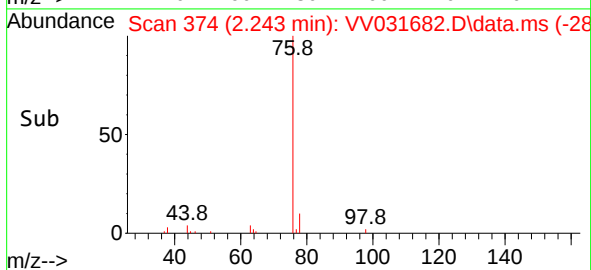
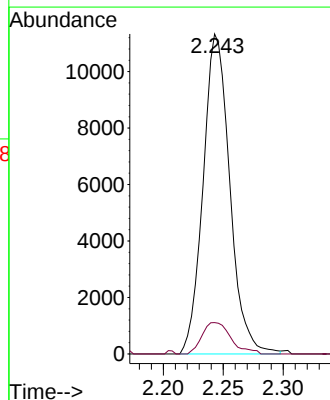
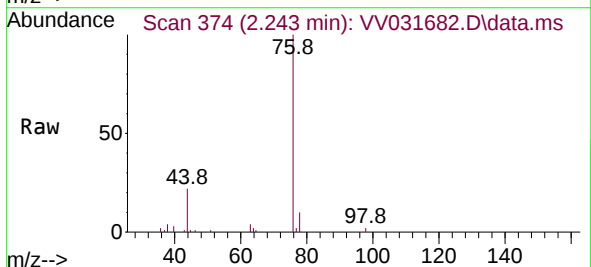
Acq: 11 Jul 2023 16:30

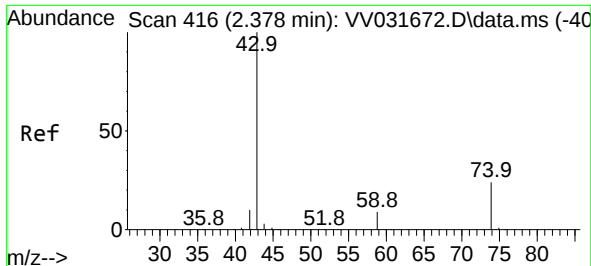
Tgt Ion: 76 Resp: 17571

Ion Ratio Lower Upper

76 100

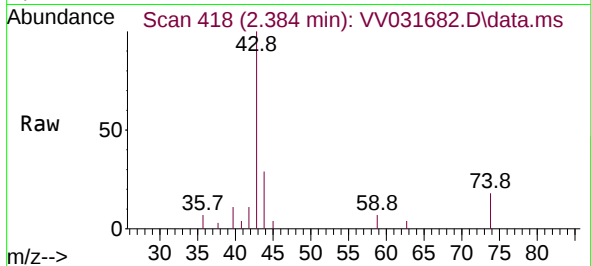
78 9.8 7.4 11.0





#15
Methyl Acetate
Concen: 2.645 ug/L m
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

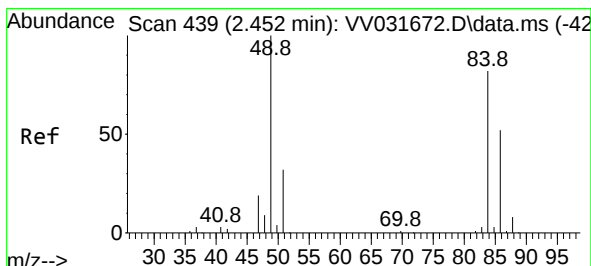
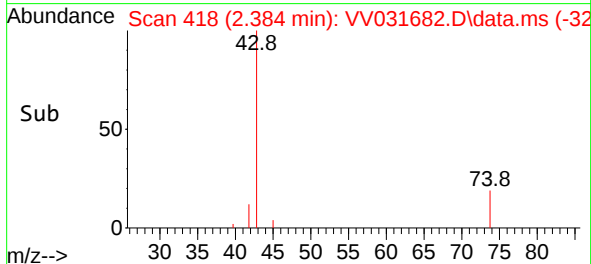
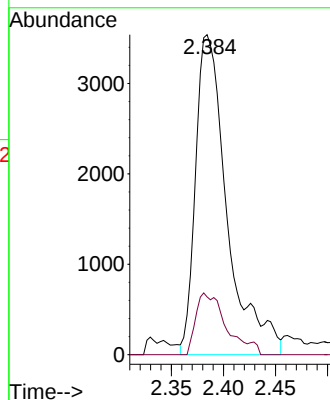


Tgt Ion: 43 Resp: 7474
Ion Ratio Lower Upper
43 100
74 9.0 19.5 29.3

Manual Integrations
APPROVED

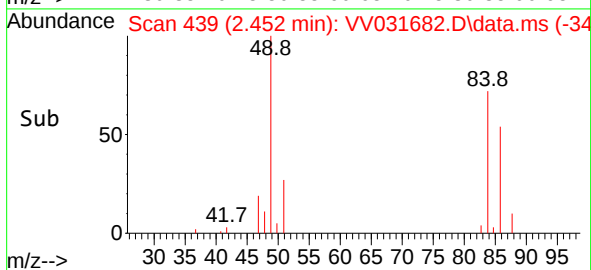
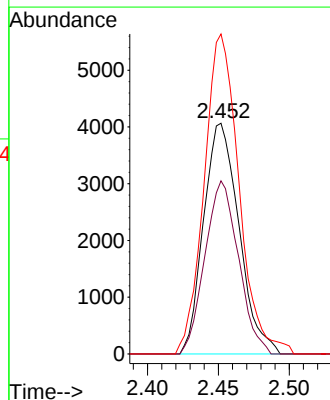
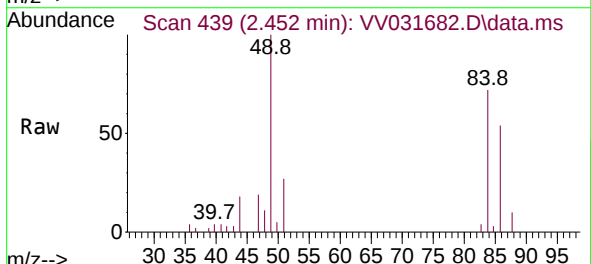
Reviewed By :John
Carlone
07/12/2023

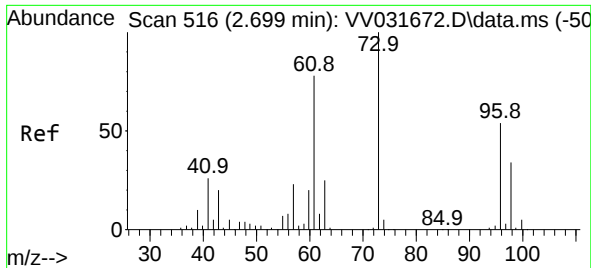
Supervised By :Mahesh
Dadoda
07/12/2023



#16
Methylene chloride
Concen: 2.579 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

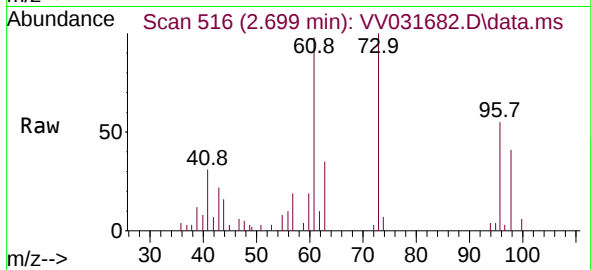
Tgt Ion: 84 Resp: 7061
Ion Ratio Lower Upper
84 100
86 71.9 44.5 82.7
49 133.0 85.3 158.5





#17
trans-1,2-Dichloroethene
Concen: 1.958 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

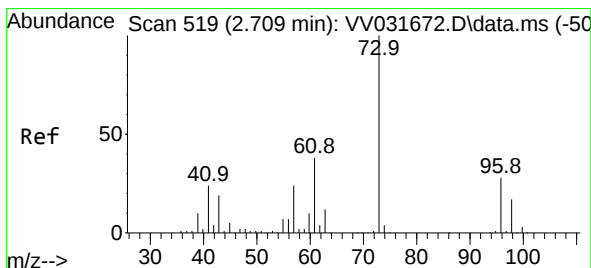
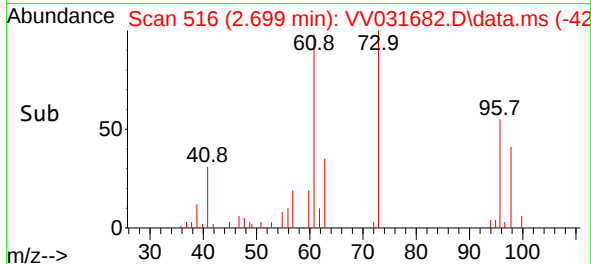
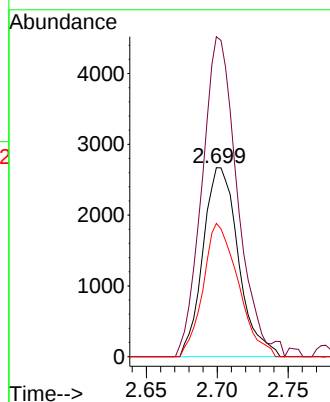


Tgt Ion: 96 Resp: 4632
Ion Ratio Lower Upper
96 100
61 169.4 101.6 188.6
98 70.5 44.7 82.9

Manual Integrations
APPROVED

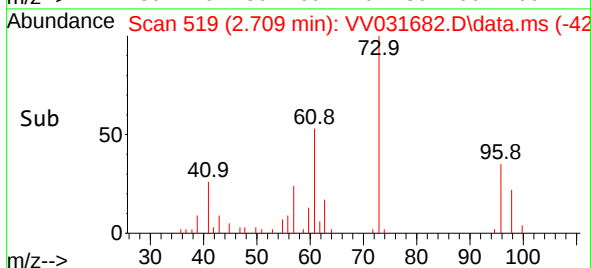
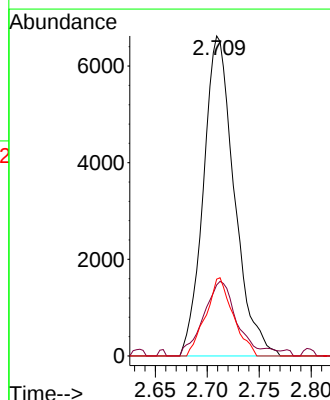
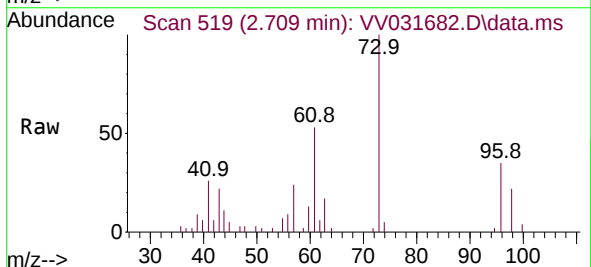
Reviewed By :John
Carlone
07/12/2023

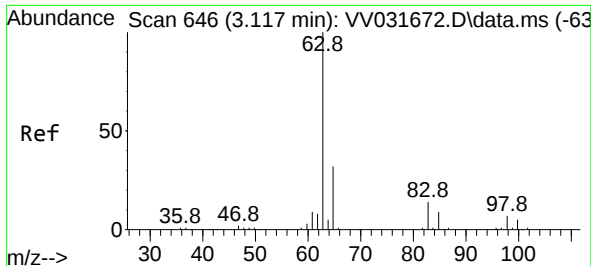
Supervised By :Mahesh
Dadoda
07/12/2023



#18
Methyl tert-butyl Ether
Concen: 1.894 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 73 Resp: 13635
Ion Ratio Lower Upper
73 100
43 24.6 15.0 22.4#
57 21.6 18.3 27.5





#19
1,1-Dichloroethane
Concen: 2.334 ug/L
RT: 3.121 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

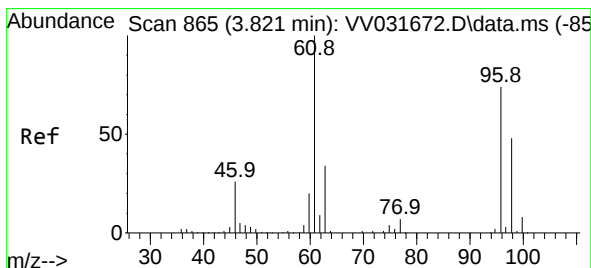
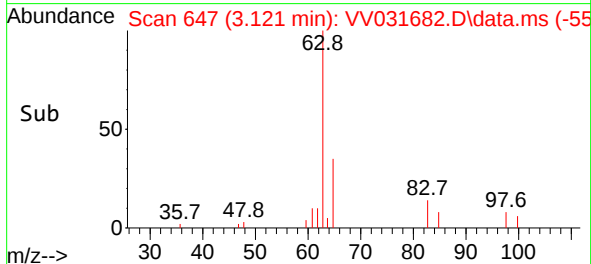
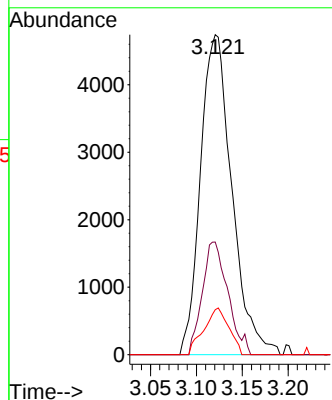
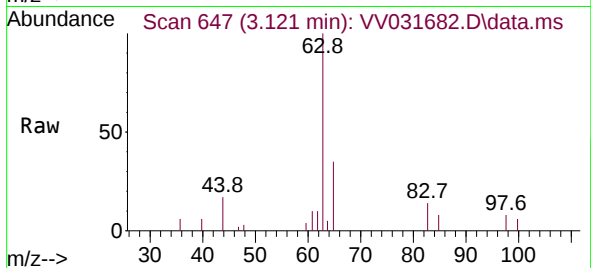
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 63 Resp: 1128
Ion Ratio Lower Upper
63 100
65 33.6 22.3 41.5
83 13.4 10.6 19.6

Manual Integrations
APPROVED

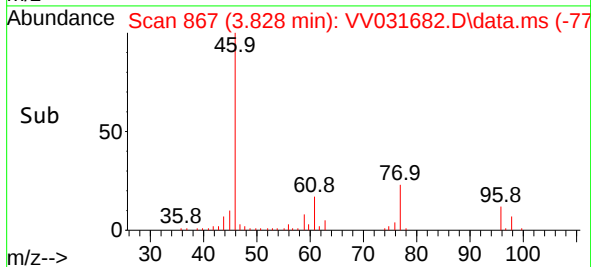
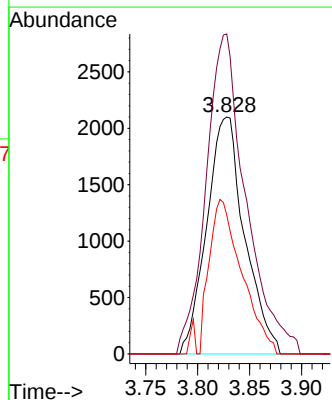
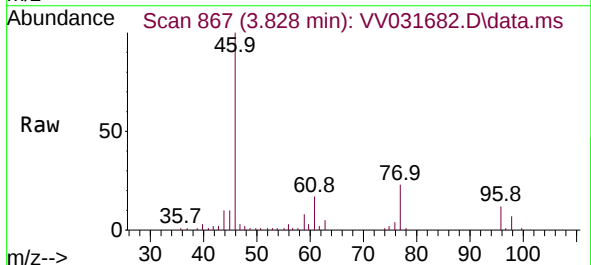
Reviewed By :John
Carlone
07/12/2023

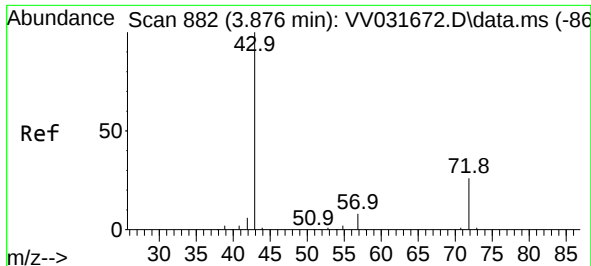
Supervised By :Mahesh
Dadoda
07/12/2023



#20
cis-1,2-Dichloroethene
Concen: 2.197 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 96 Resp: 5332
Ion Ratio Lower Upper
96 100
61 140.5 90.6 168.2
98 55.0 43.8 81.3





#22

2-Butanone

Concen: 4.978 ug/L m

RT: 3.905 min Scan# 891

Delta R.T. 0.029 min

Lab File: VV031682.D

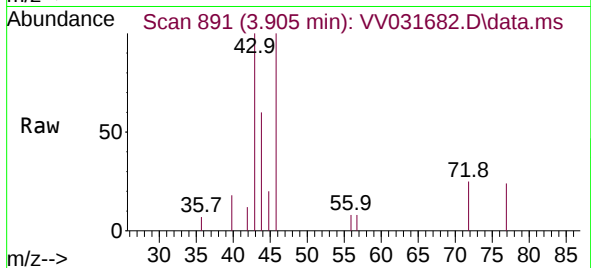
Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 43 Resp: 924

Ion	Ratio	Lower	Upper
43	100		
72	5.8	12.7	38.0

Manual Integrations

APPROVED

Reviewed By :John

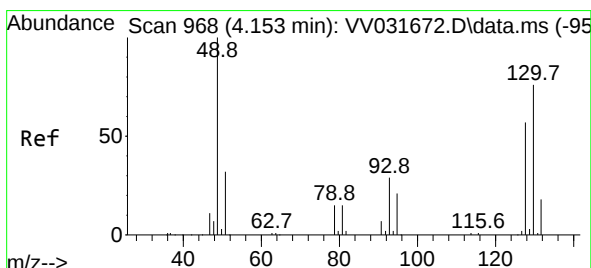
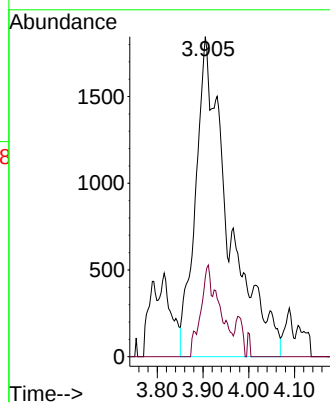
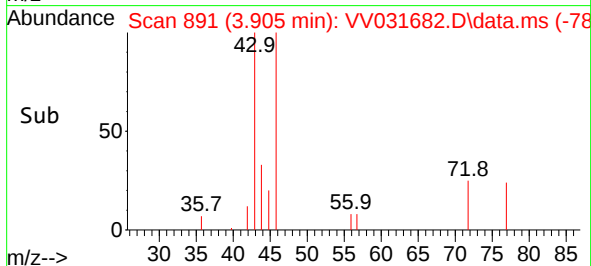
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#23

Bromochloromethane

Concen: 2.155 ug/L m

RT: 4.162 min Scan# 971

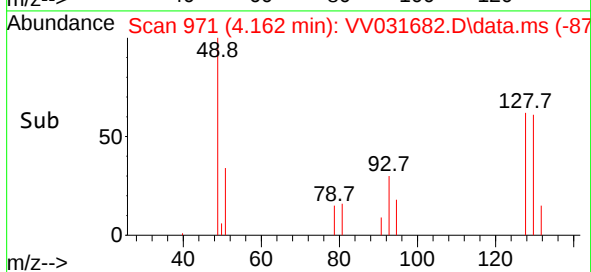
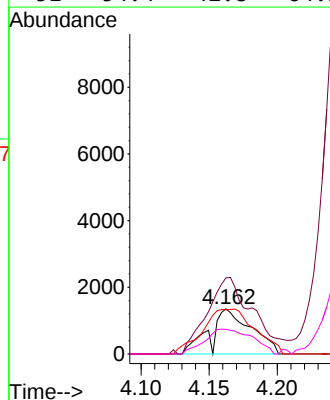
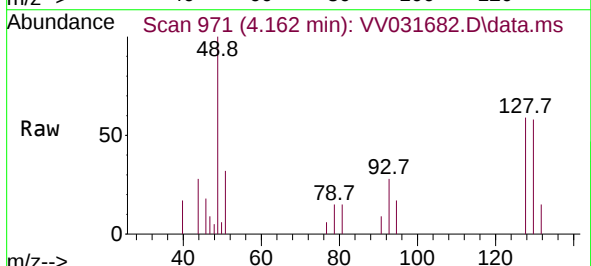
Delta R.T. 0.010 min

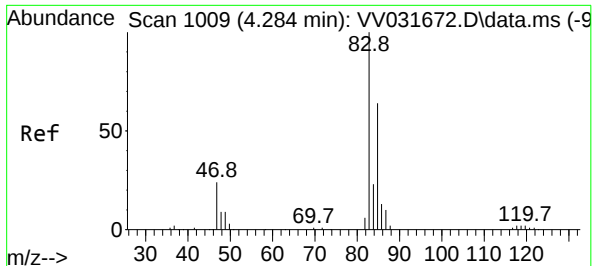
Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Tgt Ion:128 Resp: 2844

Ion	Ratio	Lower	Upper
128	100		
49	168.8	117.9	218.9
130	97.7	89.1	165.5
51	54.4	42.8	64.2





#25

Chloroform

Concen: 2.636 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 13070

Ion Ratio Lower Upper

83 100

85 62.3 45.1 83.9

Manual Integrations

APPROVED

Reviewed By :John

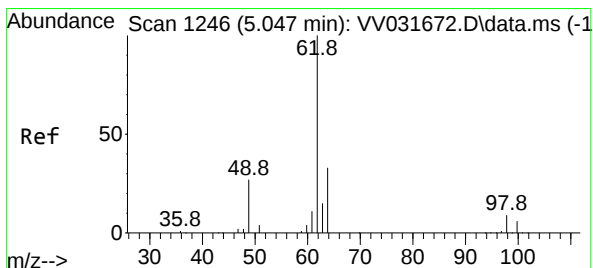
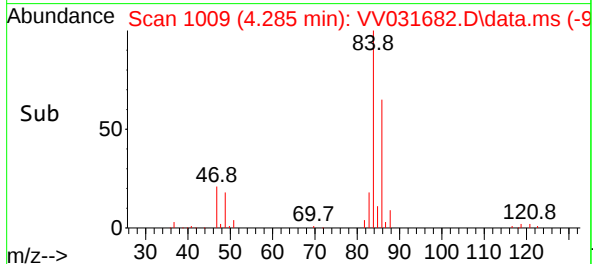
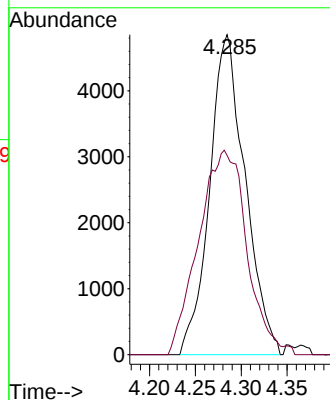
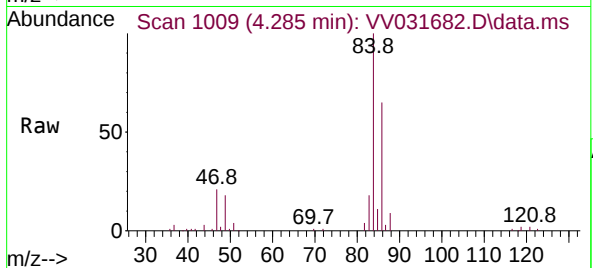
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#27

1,2-Dichloroethane

Concen: 2.415 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.013 min

Lab File: VV031682.D

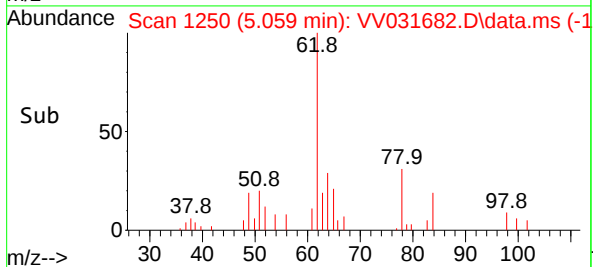
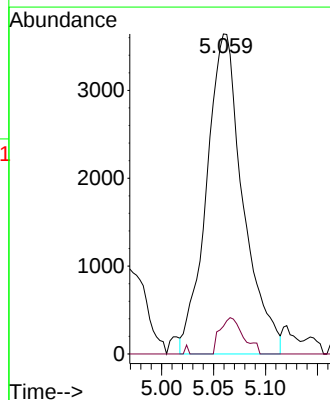
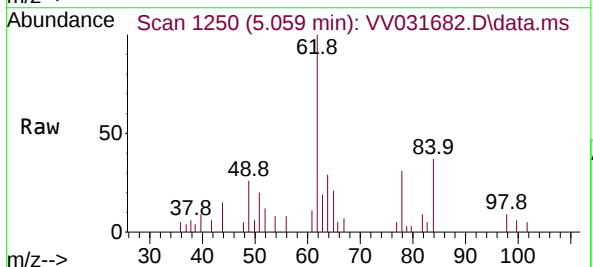
Acq: 11 Jul 2023 16:30

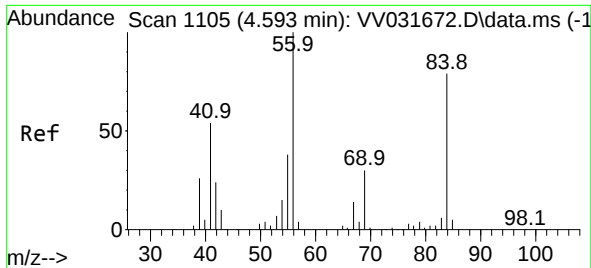
Tgt Ion: 62 Resp: 8901

Ion Ratio Lower Upper

62 100

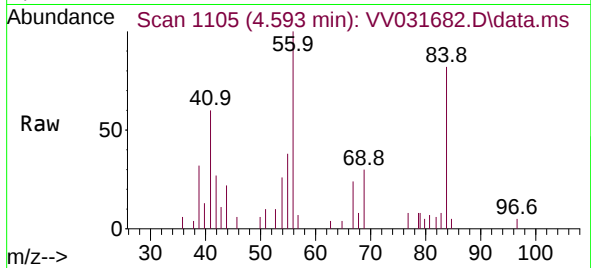
98 8.6 7.5 11.3





#29
Cyclohexane
Concen: 1.722 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

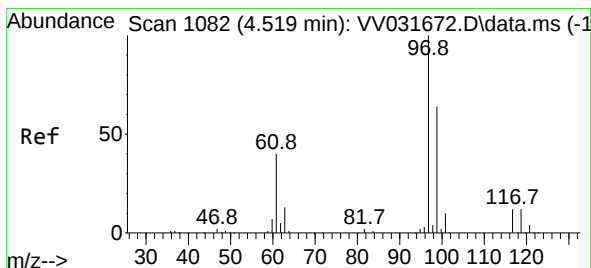
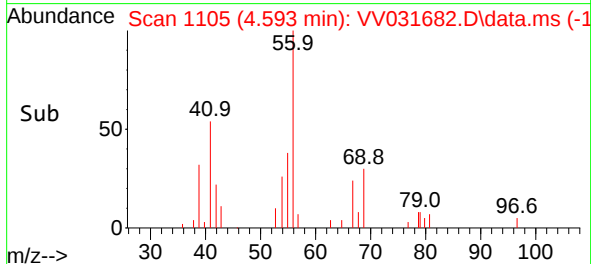
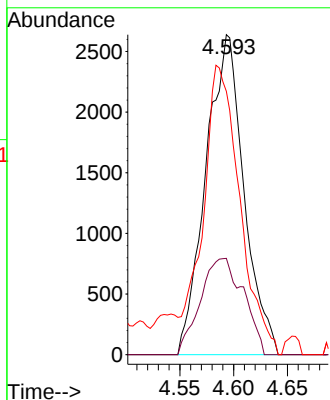


Tgt Ion:	56	Resp:	649
Ion Ratio	Lower	Upper	
56	100		
69	26.5	24.1	36.1
84	88.1	63.6	95.4

Manual Integrations
APPROVED

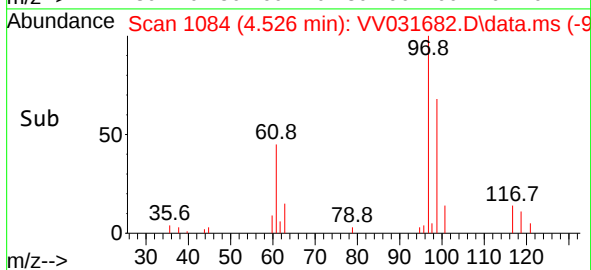
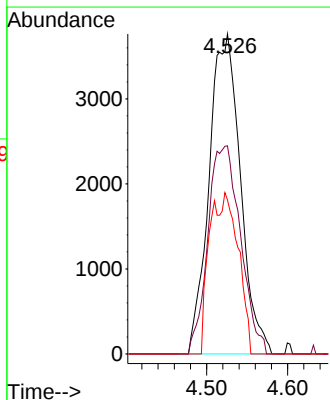
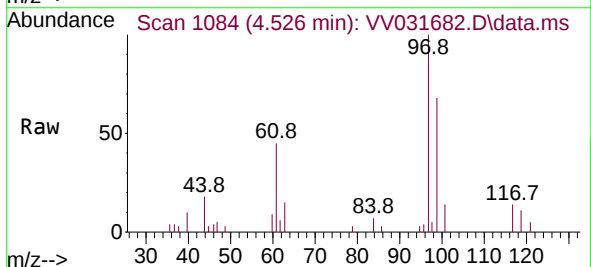
Reviewed By :John
Carlone
07/12/2023

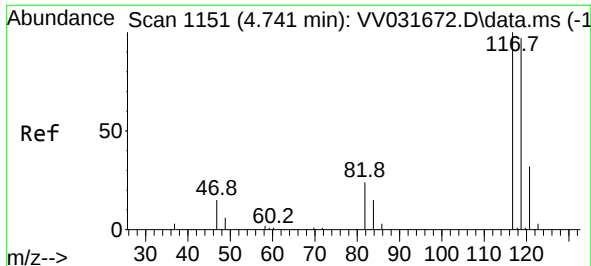
Supervised By :Mahesh
Dadoda
07/12/2023



#30
1,1,1-Trichloroethane
Concen: 2.245 ug/L m
RT: 4.526 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

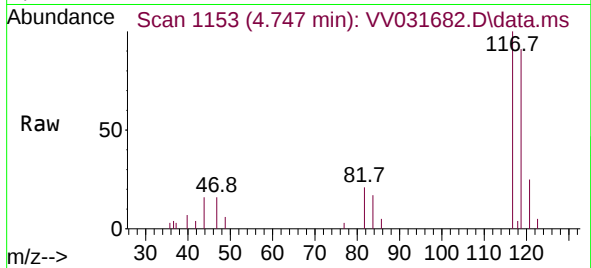
Tgt Ion:	97	Resp:	10087
Ion Ratio	Lower	Upper	
97	100		
99	27.6	51.5	77.3#
61	19.1	32.2	48.2#





#31
Carbon tetrachloride
Concen: 2.217 ug/L
RT: 4.747 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

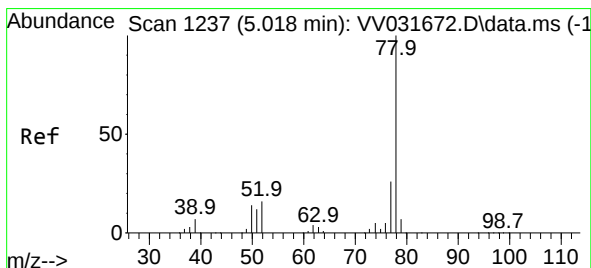
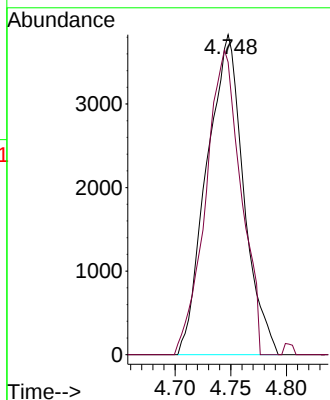
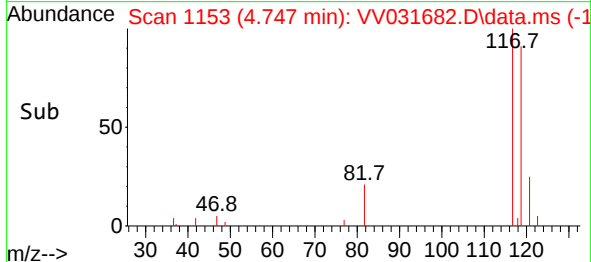
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05



Tgt Ion:117 Resp: 8829
Ion Ratio Lower Upper
117 100
119 90.7 78.0 117.0

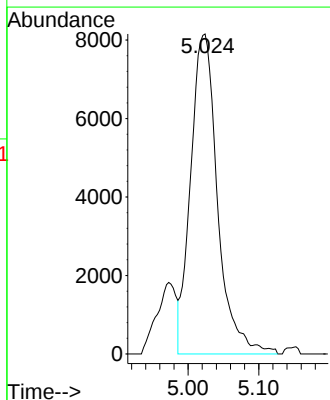
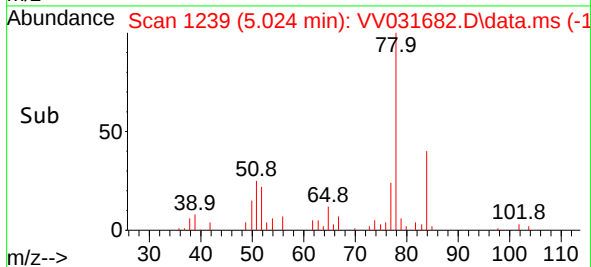
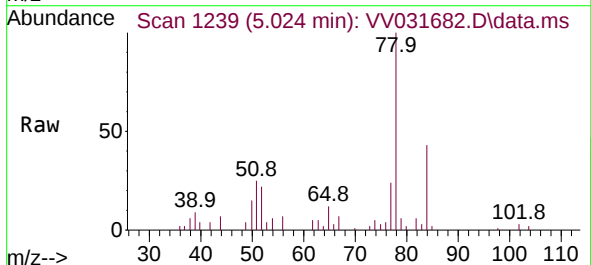
Manual Integrations
APPROVED

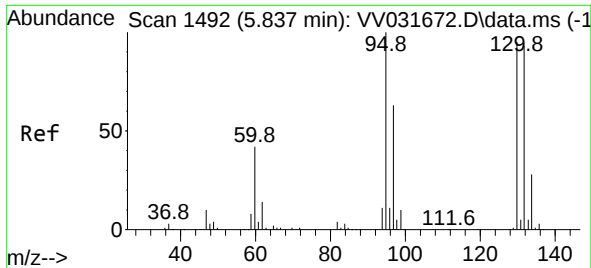
Reviewed By :John
Carlone
07/12/2023
Supervised By :Mahesh
Dadoda
07/12/2023



#33
Benzene
Concen: 2.200 ug/L m
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

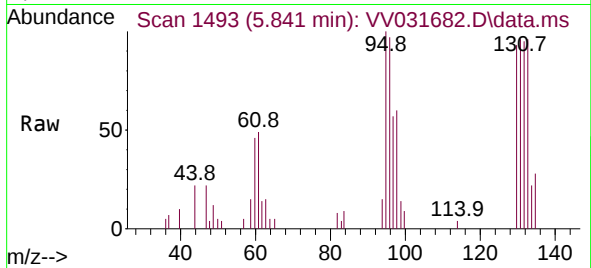
Tgt Ion: 78 Resp: 21572





#34
Trichloroethene
Concen: 2.340 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

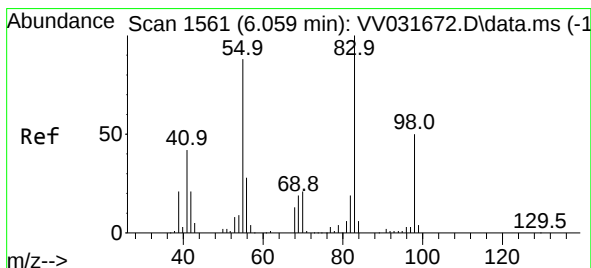
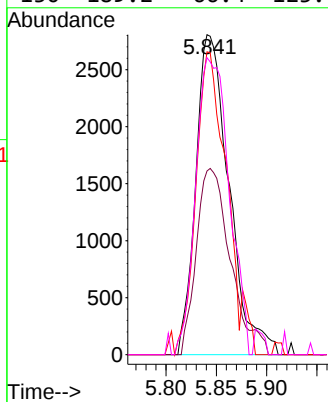
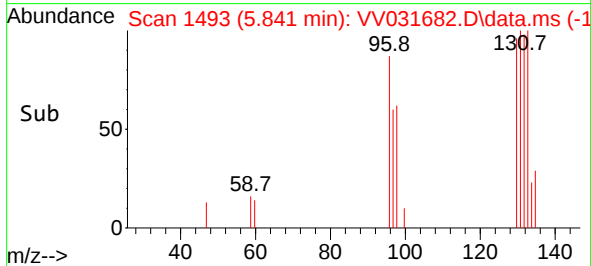
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 95 Resp: 645
Ion Ratio Lower Upper
95 100
97 117.4 47.0 87.2
132 190.8 64.8 120.4
130 189.2 66.4 123.4

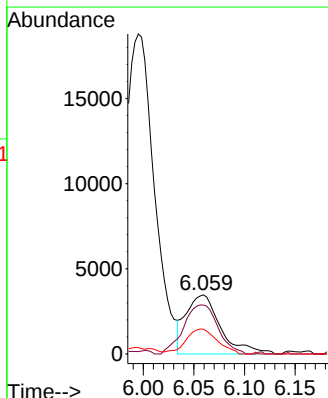
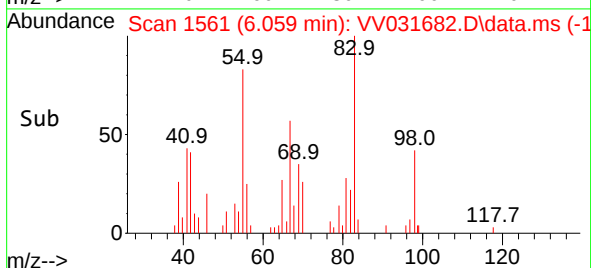
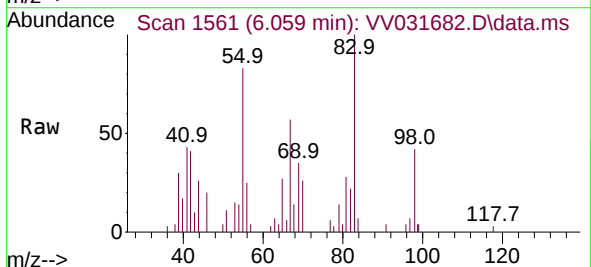
Manual Integrations
APPROVED

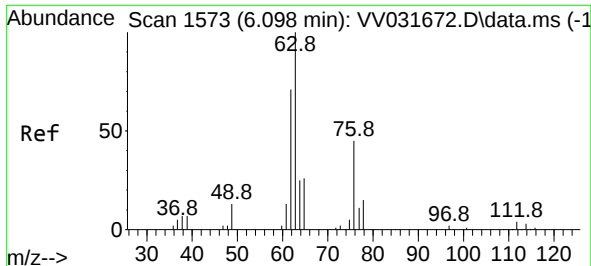
Reviewed By :John
Carlone
07/12/2023
Supervised By :Mahesh
Dadoda
07/12/2023



#35
Methylcyclohexane
Concen: 2.200 ug/L m
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 83 Resp: 8262
Ion Ratio Lower Upper
83 100
55 82.1 69.4 104.2
98 38.3 38.2 57.2





#37
1,2-Dichloropropane
Concen: 2.473 ug/L m
RT: 6.108 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

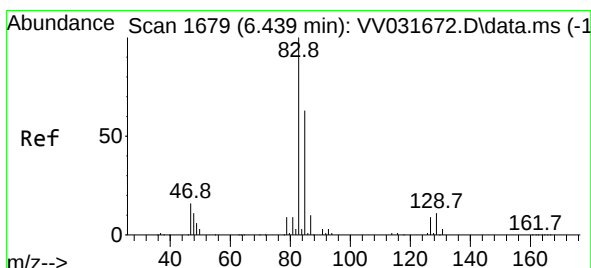
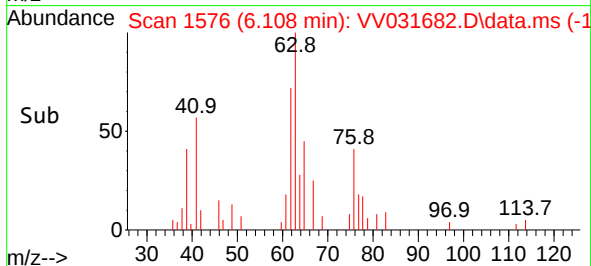
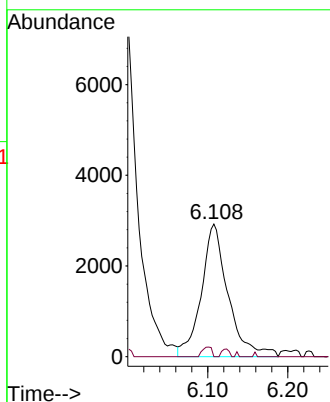
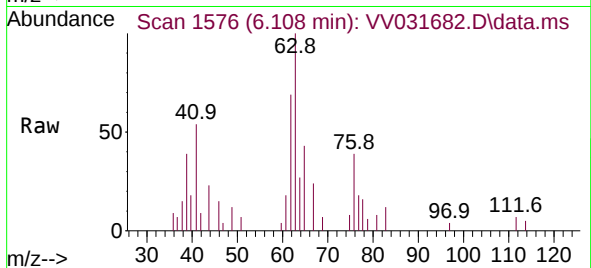
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 63 Resp: 6780
Ion Ratio Lower Upper
63 100
112 1.0 3.7 5.5

Manual Integrations
APPROVED

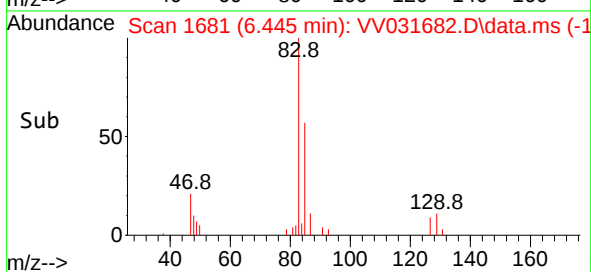
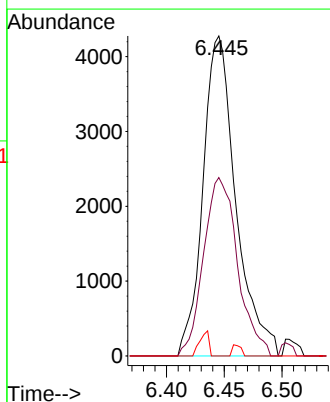
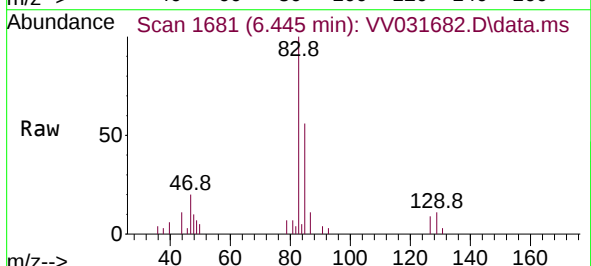
Reviewed By :John
Carlone
07/12/2023

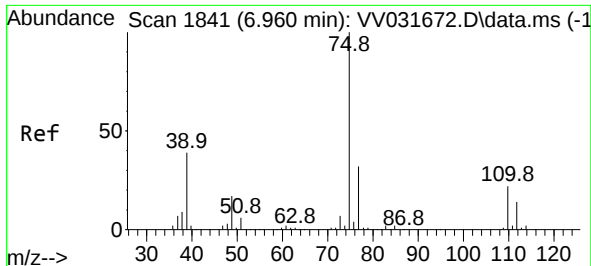
Supervised By :Mahesh
Dadoda
07/12/2023



#38
Bromodichloromethane
Concen: 2.277 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 83 Resp: 8462
Ion Ratio Lower Upper
83 100
85 55.8 44.2 82.0
127 0.0 7.8 11.6





#39
cis-1,3-Dichloropropene
Concen: 2.003 ug/L m
RT: 6.966 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

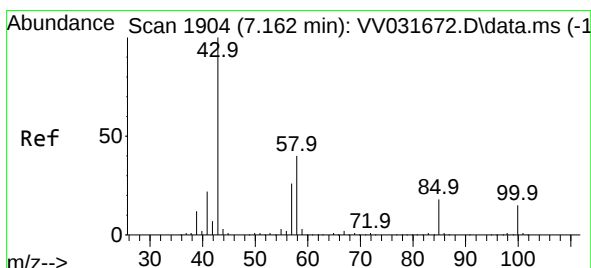
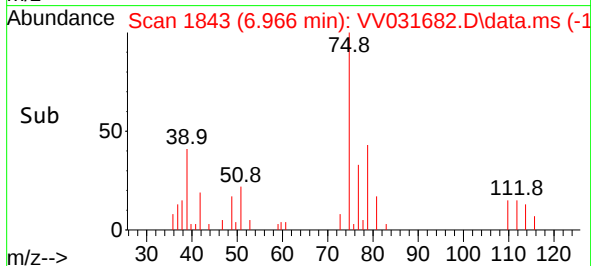
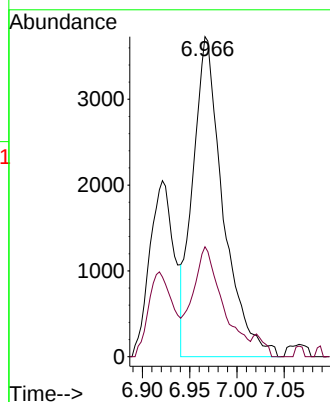
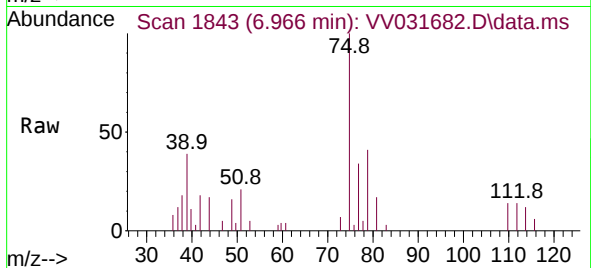
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 8308
Ion Ratio Lower Upper
75 100
77 34.4 22.1 41.1

Manual Integrations
APPROVED

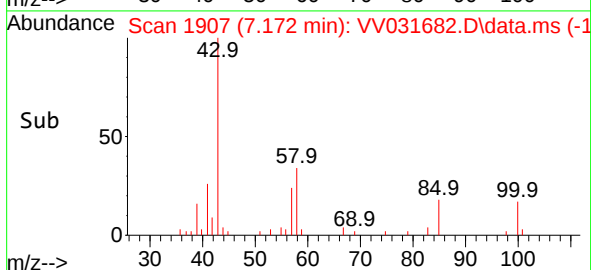
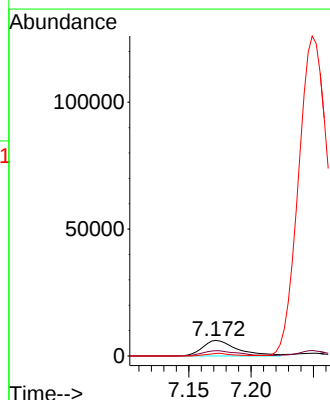
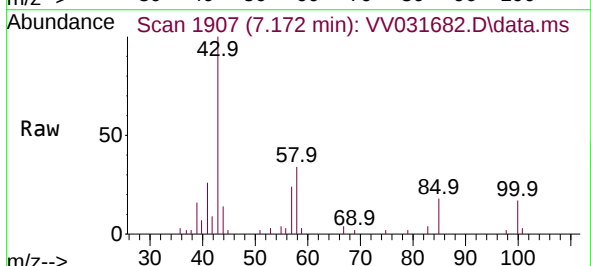
Reviewed By :John
Carlone
07/12/2023

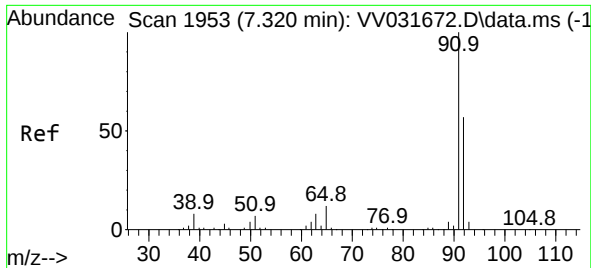
Supervised By :Mahesh
Dadoda
07/12/2023



#40
4-Methyl-2-pentanone
Concen: 3.481 ug/L
RT: 7.172 min Scan# 1907
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

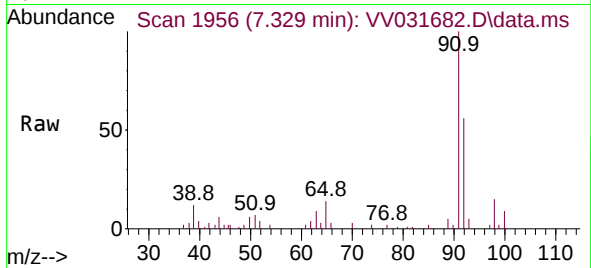
Tgt Ion: 43 Resp: 11869
Ion Ratio Lower Upper
43 100
58 33.9 32.1 48.1
100 12.7 12.1 18.1





#42
Toluene
Concen: 1.835 ug/L
RT: 7.329 min Scan# 1953
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

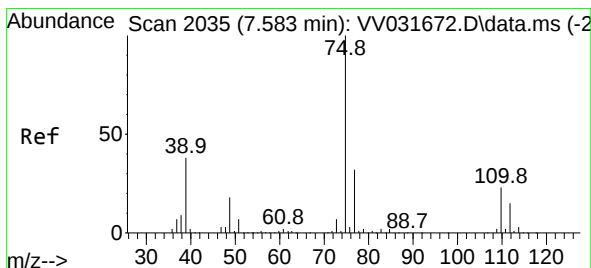
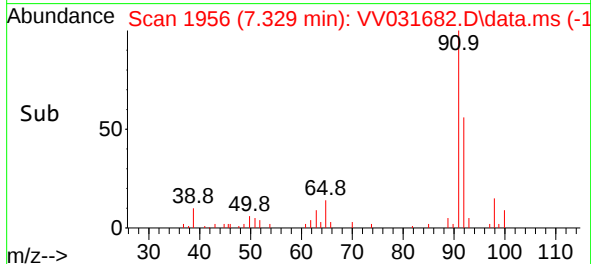
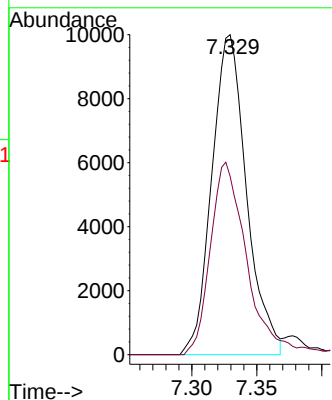


Tgt Ion: 91 Resp: 1858
Ion Ratio Lower Upper
91 100
92 55.8 39.8 73.8

Manual Integrations
APPROVED

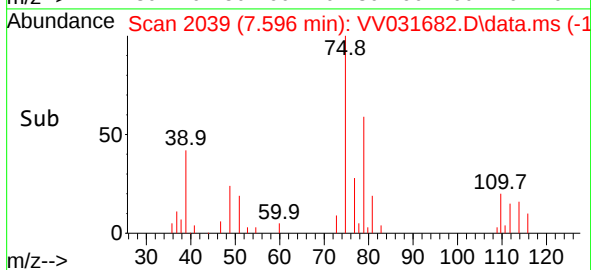
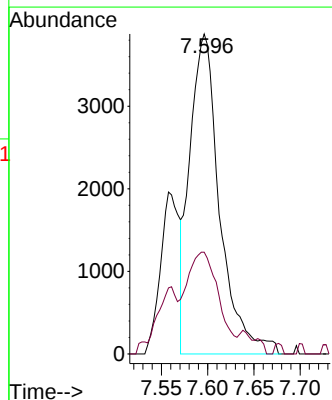
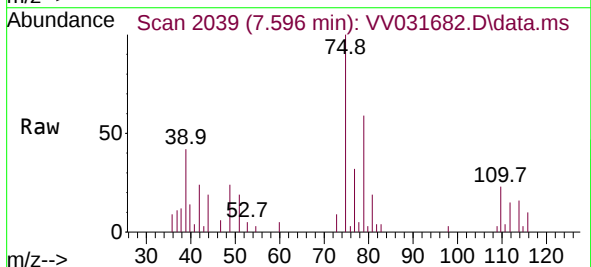
Reviewed By :John
Carlone
07/12/2023

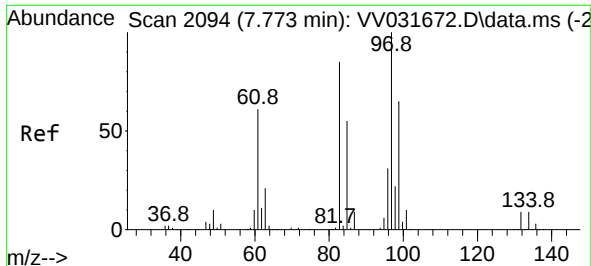
Supervised By :Mahesh
Dadoda
07/12/2023



#44
trans-1,3-Dichloropropene
Concen: 2.112 ug/L m
RT: 7.596 min Scan# 2039
Delta R.T. 0.013 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 75 Resp: 8738
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 2.145 ug/L

RT: 7.783 min Scan# 2094

Delta R.T. 0.010 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 97 Resp: 582

Ion Ratio Lower Upper

97 100

99 54.8 45.2 84.0

83 75.1 59.5 110.5

85 52.6 38.6 71.8

Manual Integrations

APPROVED

Reviewed By :John

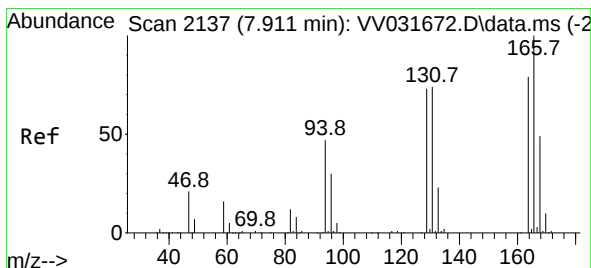
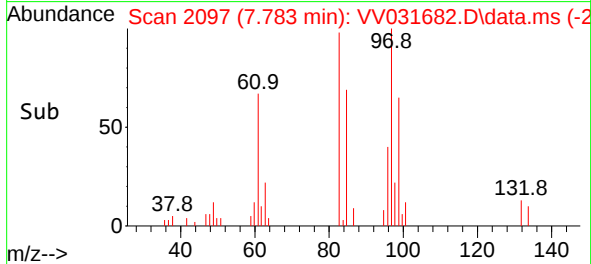
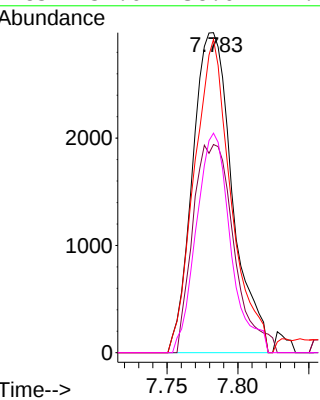
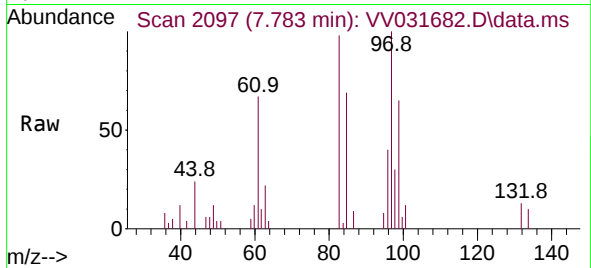
Carlone

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Supervised By :Mahesh

Dadoda

07/12/2023



#46

Tetrachloroethene

Concen: 2.018 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Tgt Ion:164 Resp: 4234

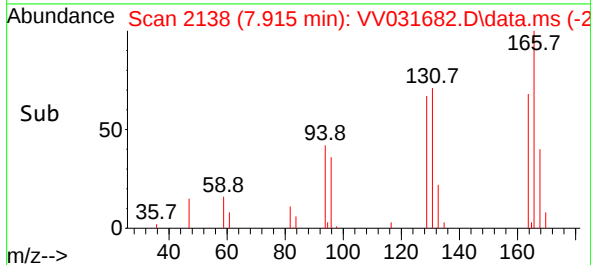
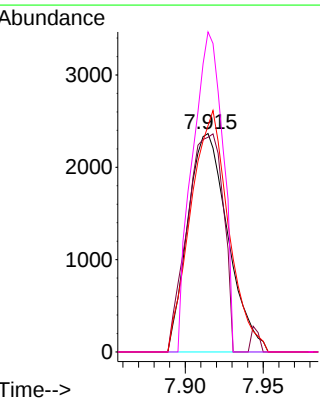
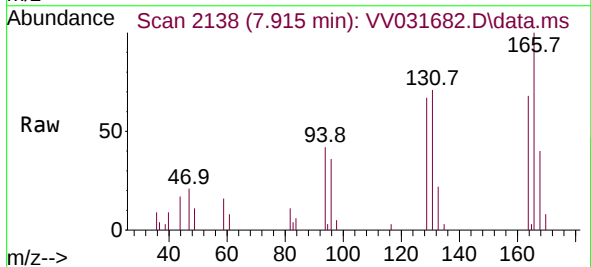
Ion Ratio Lower Upper

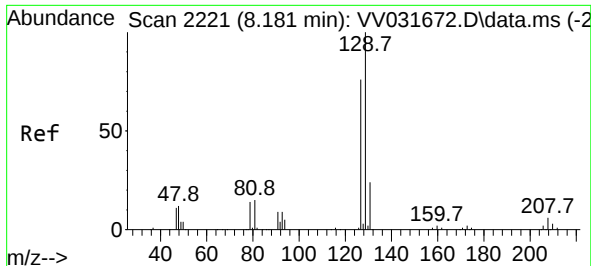
164 100

129 98.3 65.2 121.0

131 103.6 67.1 124.7

166 146.6 91.4 169.8





#49

Dibromochloromethane

Concen: 2.055 ug/L

RT: 8.185 min Scan# 2194

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:129 Resp: 6194

Ion Ratio Lower Upper

129 100

127 85.8 55.2 102.6

Manual Integrations

APPROVED

Reviewed By :John

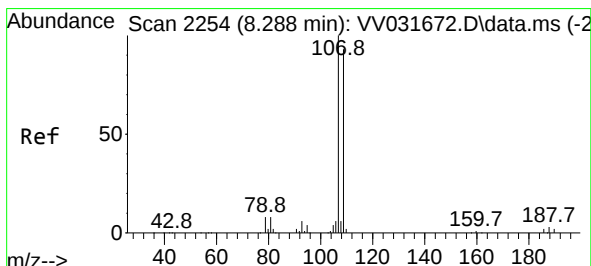
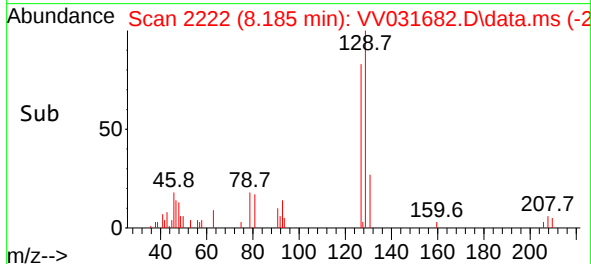
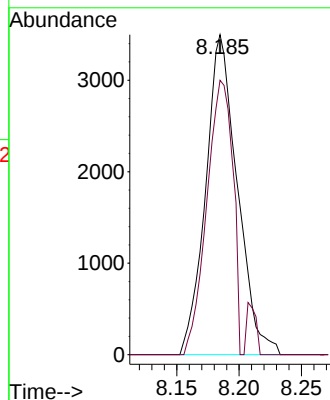
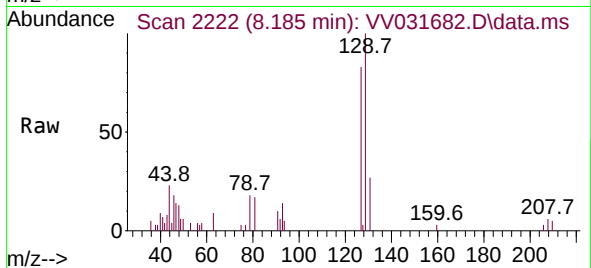
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#50

1,2-Dibromoethane

Concen: 2.130 ug/L

RT: 8.294 min Scan# 2256

Delta R.T. 0.006 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

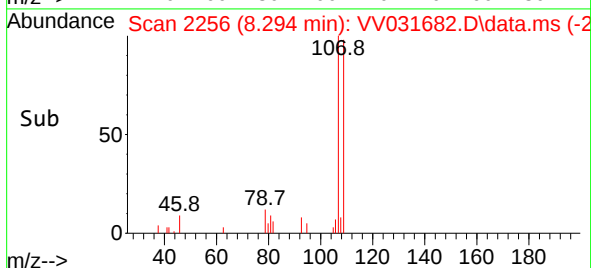
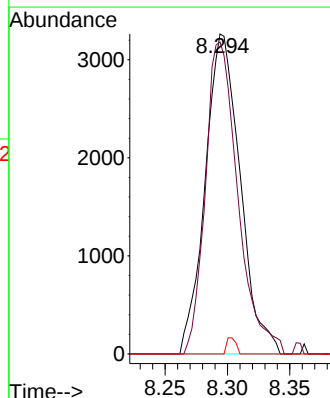
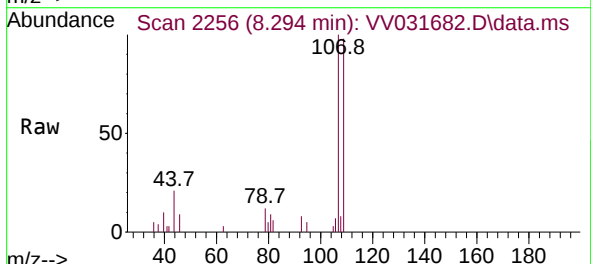
Tgt Ion:107 Resp: 6371

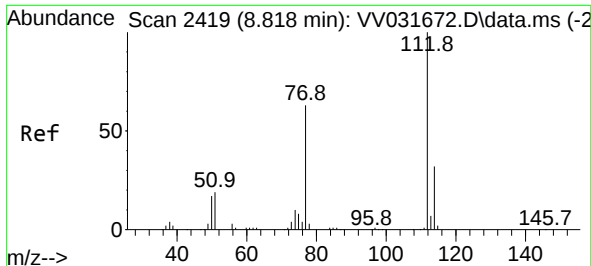
Ion Ratio Lower Upper

107 100

109 90.7 65.4 121.4

188 0.0 2.8 4.2#





#51

Chlorobenzene

Concen: 2.043 ug/L

RT: 8.821 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:	112	Resp:	1371
Ion Ratio	Lower	Upper	
112	100		
114	37.6	22.2	41.2
77	71.0	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :John

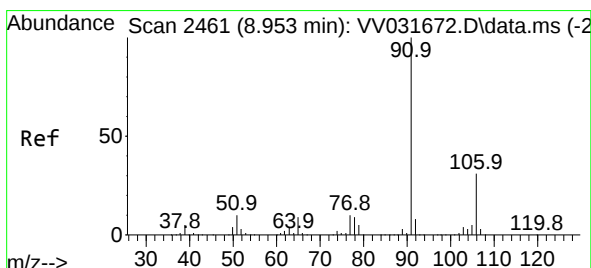
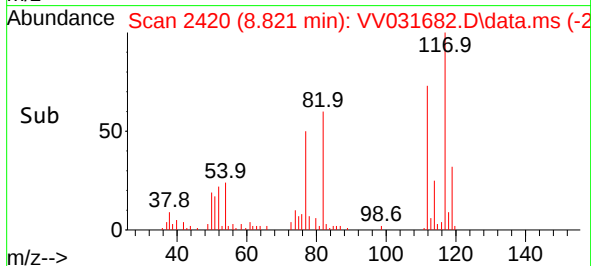
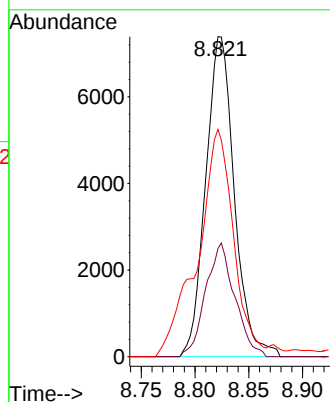
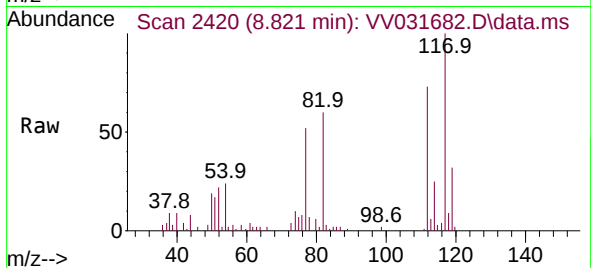
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#52

Ethylbenzene

Concen: 1.777 ug/L

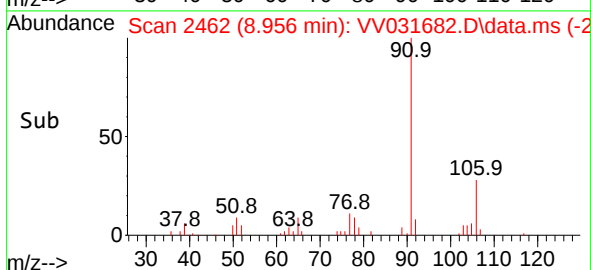
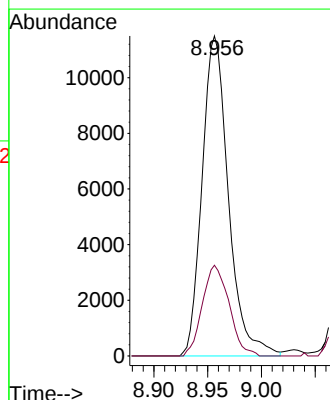
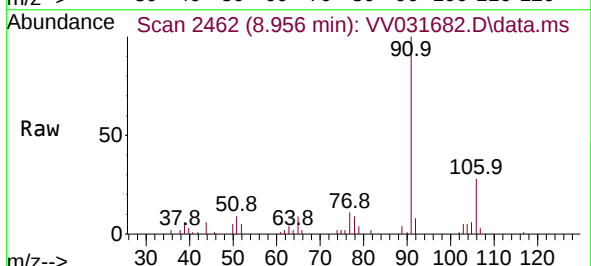
RT: 8.956 min Scan# 2462

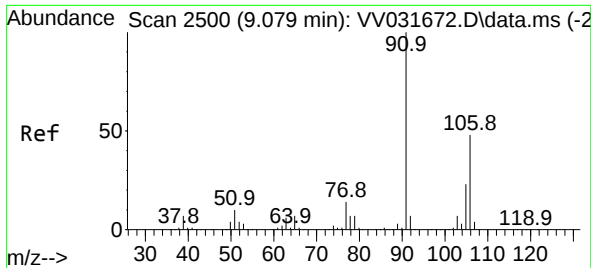
Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Tgt Ion:	91	Resp:	19576
Ion Ratio	Lower	Upper	
91	100		
106	28.4	21.5	39.9





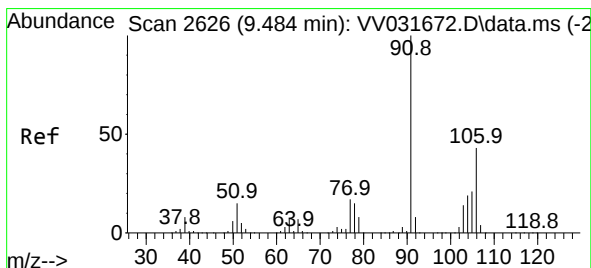
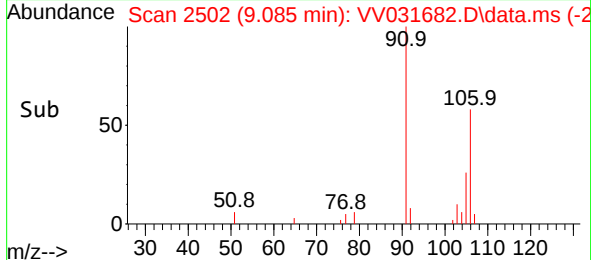
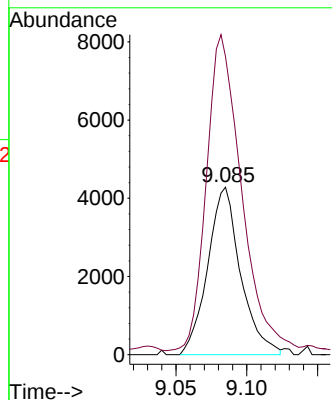
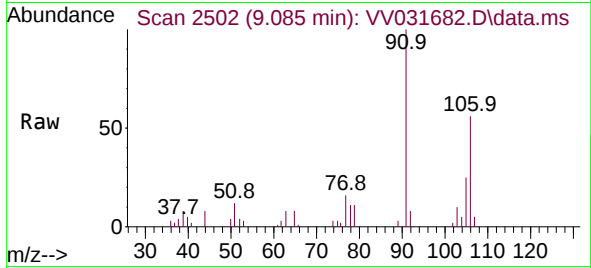
#53
m,p-Xylene
Concen: 1.705 ug/L
RT: 9.085 min Scan# 2500
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:106 Resp: 692
Ion Ratio Lower Upper
106 100
91 178.0 145.6 270.4

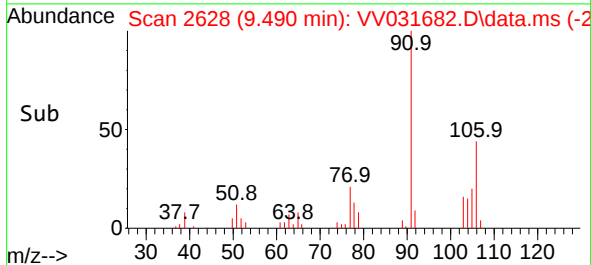
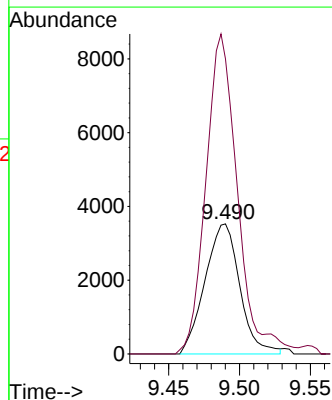
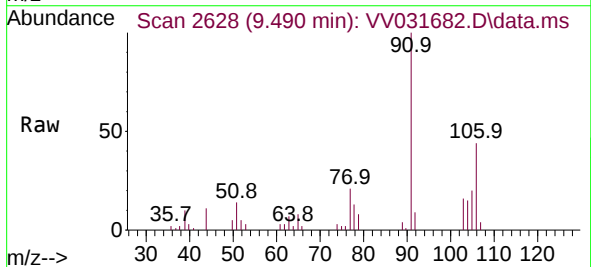
Manual Integrations
APPROVED

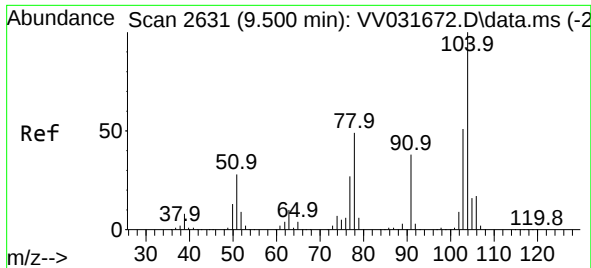
Reviewed By :John
Carlone
07/12/2023
Supervised By :Mahesh
Dadoda
07/12/2023



#54
o-Xylene
Concen: 1.603 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.006 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:106 Resp: 6031
Ion Ratio Lower Upper
106 100
91 226.8 163.0 302.6





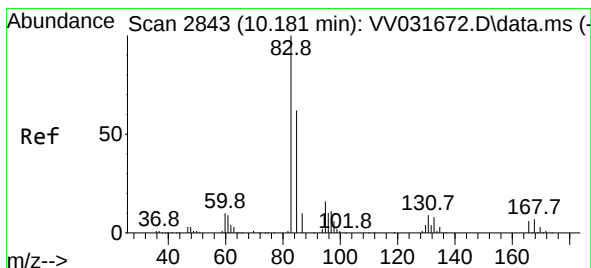
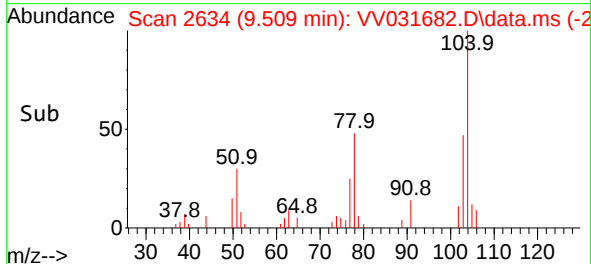
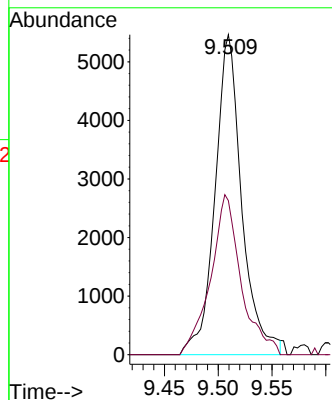
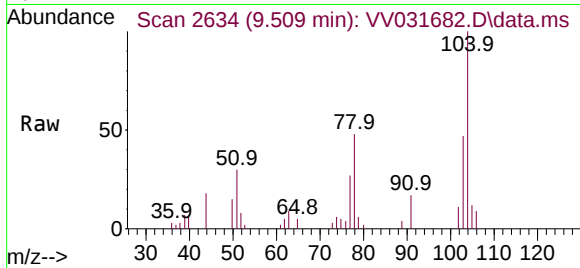
#55
Styrene
Concen: 1.366 ug/L
RT: 9.509 min Scan# 2631
Delta R.T. 0.010 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:104 Resp: 9458
Ion Ratio Lower Upper
104 100
78 48.2 34.4 64.0

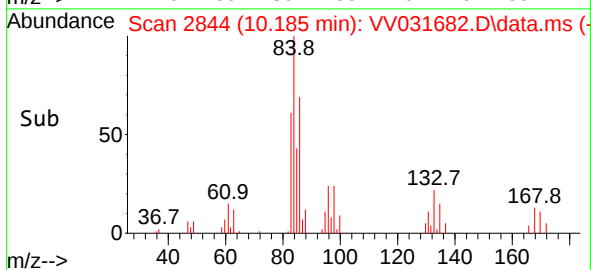
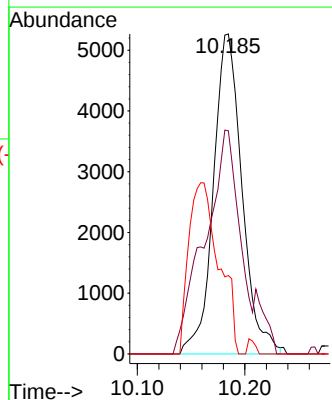
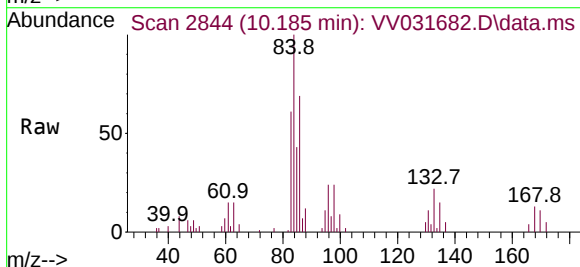
Manual Integrations
APPROVED

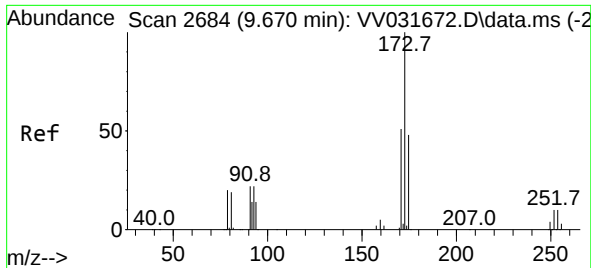
Reviewed By :John
Carlone
07/12/2023
Supervised By :Mahesh
Dadoda
07/12/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.311 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion: 83 Resp: 9740
Ion Ratio Lower Upper
83 100
85 69.8 43.4 80.6
131 24.5 10.9 16.3#





#59
Bromoform
Concen: 2.475 ug/L
RT: 9.673 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

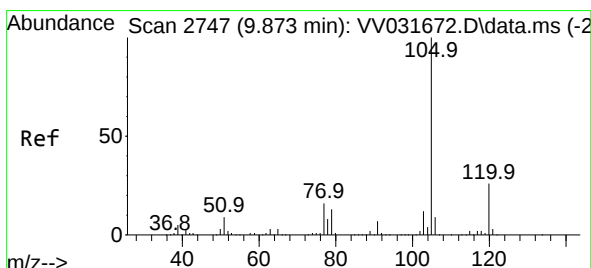
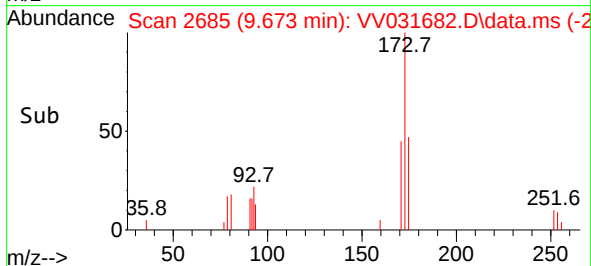
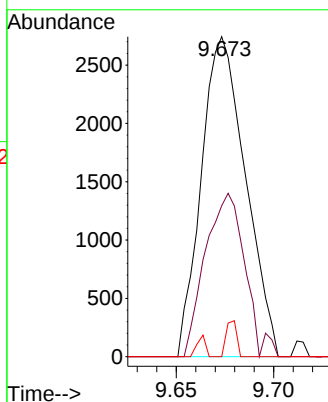
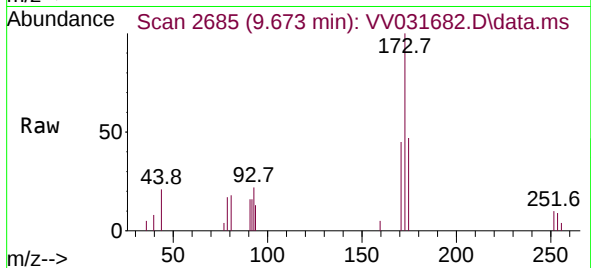
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:173 Resp: 4328
Ion Ratio Lower Upper
173 100
175 44.2 38.6 58.0
254 2.7 6.9 10.3

Manual Integrations
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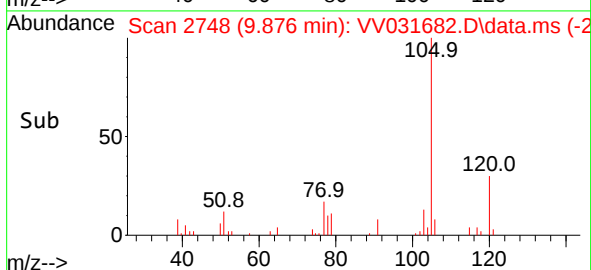
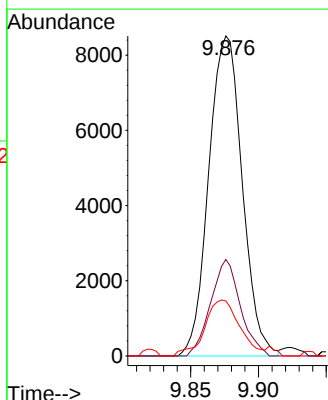
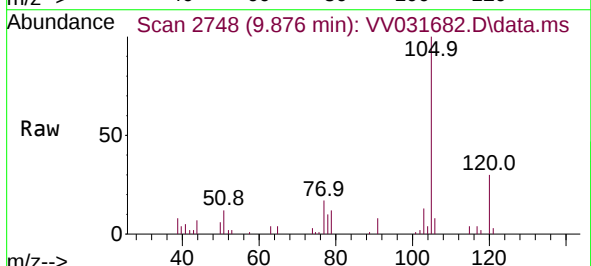
Reviewed By :John
Carlone
07/12/2023

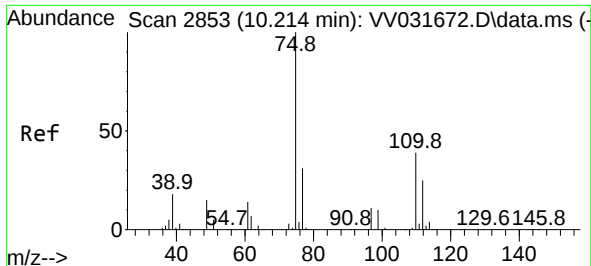
Supervised By :Mahesh
Dadoda
07/12/2023



#60
Isopropylbenzene
Concen: 1.750 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Tgt Ion:105 Resp: 14622
Ion Ratio Lower Upper
105 100
120 26.7 20.6 30.8
77 18.3 13.2 19.8





#61
1,2,3-Trichloropropane
Concen: 3.013 ug/L
RT: 10.217 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

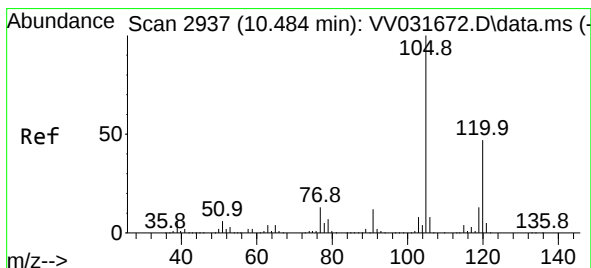
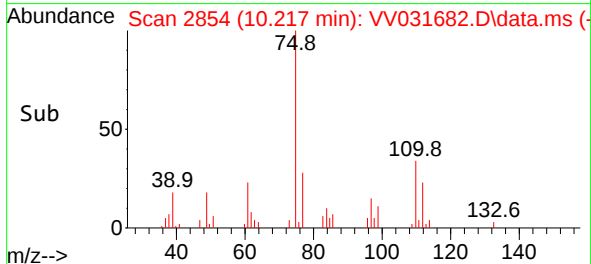
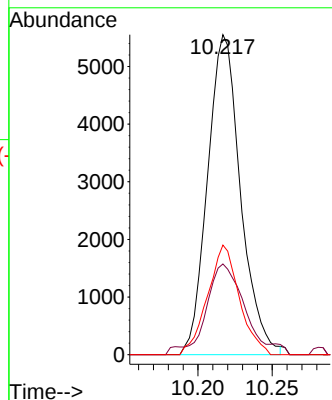
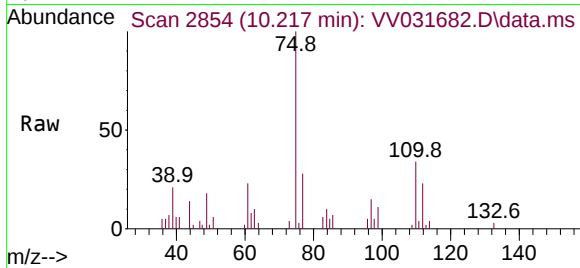
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 857
Ion Ratio Lower Upper
75 100
77 27.4 25.1 37.7
110 33.0 31.4 47.0

Manual Integrations
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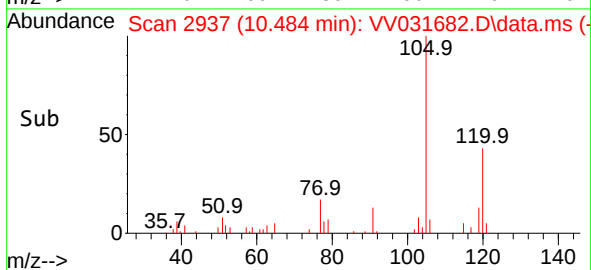
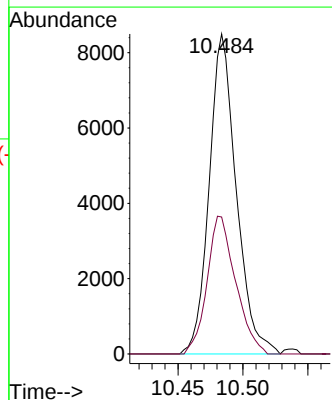
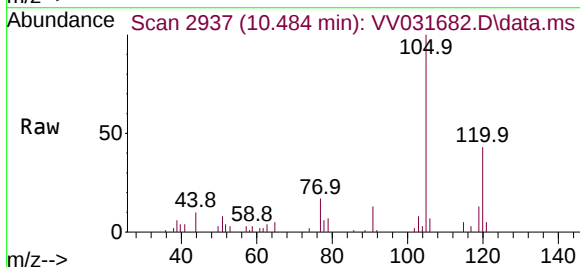
Reviewed By :John
Carlone
07/12/2023

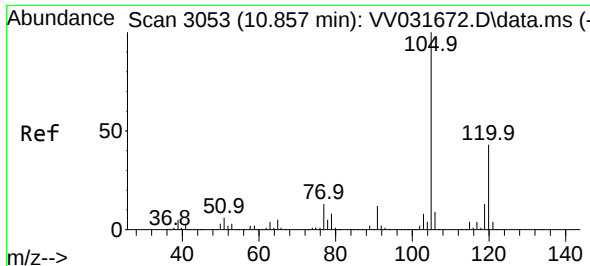
Supervised By :Mahesh
Dadoda
07/12/2023



#62
1,3,5-Trimethylbenzene
Concen: 1.805 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

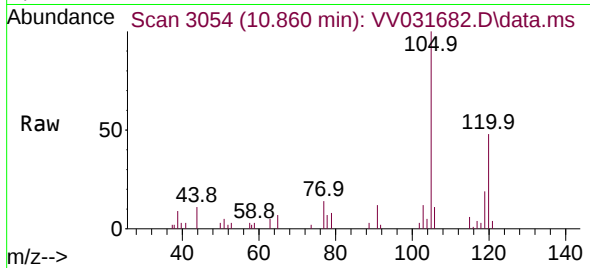
Tgt Ion:105 Resp: 12326
Ion Ratio Lower Upper
105 100
120 45.4 37.4 56.0





#63
1,2,4-Trimethylbenzene
Concen: 1.662 ug/L
RT: 10.860 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

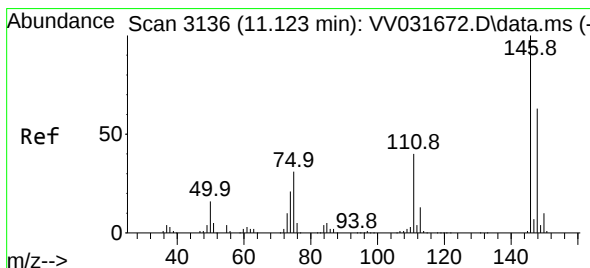
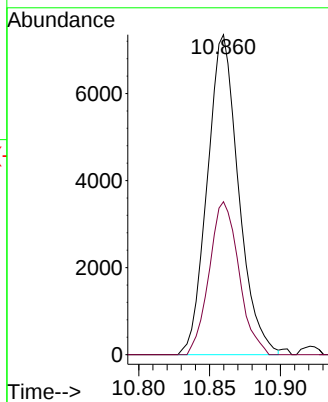
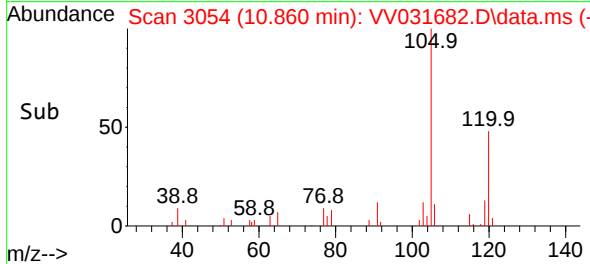


Tgt Ion:105 Resp: 1130
Ion Ratio Lower Upper
105 100
120 45.4 34.7 52.1

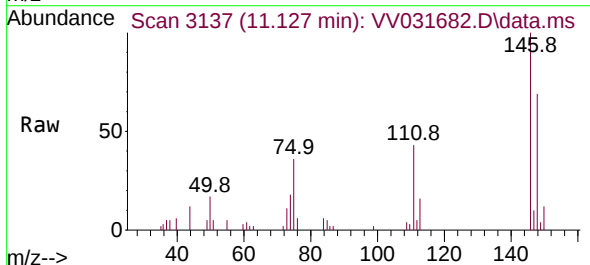
Manual Integrations
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Reviewed By :John
Carlone
07/12/2023

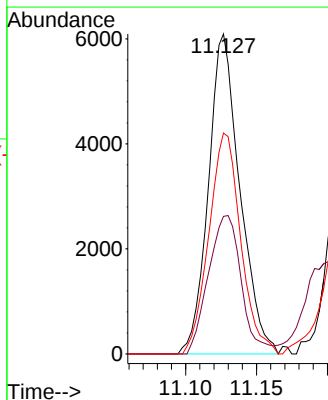
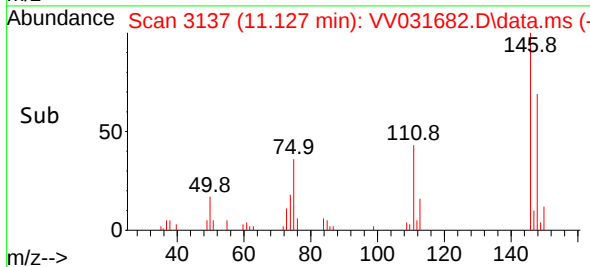
Supervised By :Mahesh
Dadoda
07/12/2023

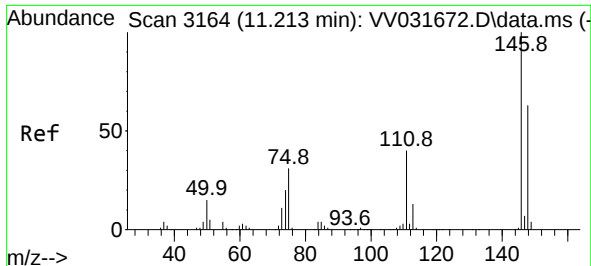


#64
1,3-Dichlorobenzene
Concen: 2.165 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30



Tgt Ion:146 Resp: 9398
Ion Ratio Lower Upper
146 100
111 43.0 28.3 52.5
148 69.0 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.294 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:146	Resp:	1080
Ion Ratio	Lower	Upper
146	100	
111	45.9	28.3 52.7
148	60.8	44.1 81.9

Manual Integrations
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Reviewed By :John

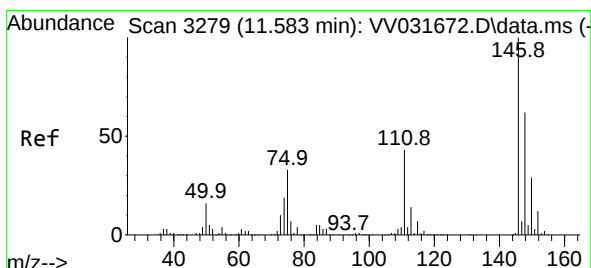
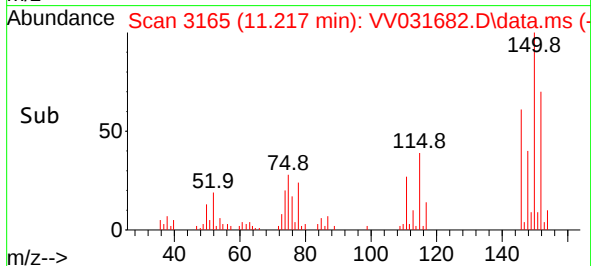
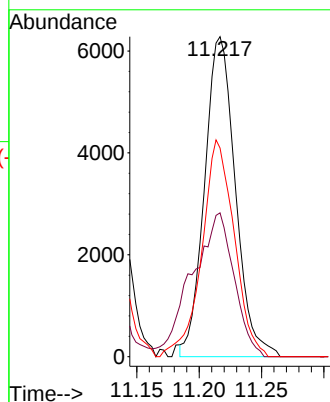
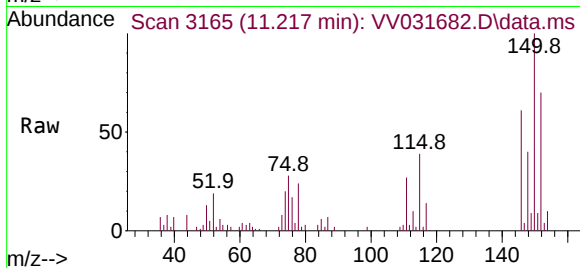
Carlone

07/12/2023

Supervised By :Mahesh

Dadoda

07/12/2023



#67

1,2-Dichlorobenzene

Concen: 2.448 ug/L

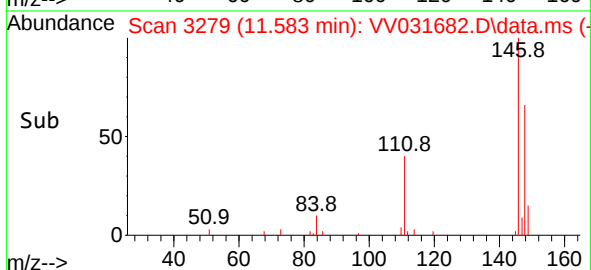
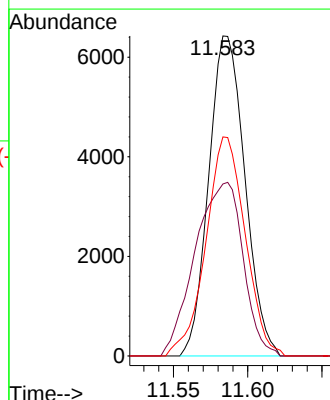
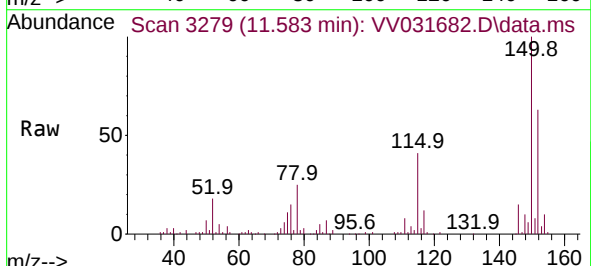
RT: 11.583 min Scan# 3279

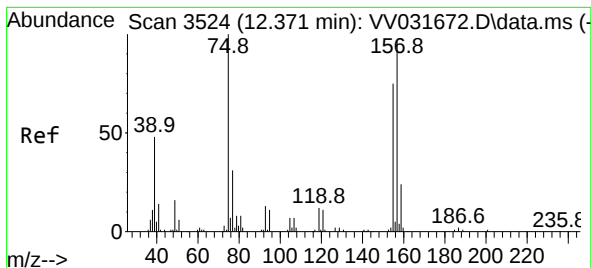
Delta R.T. 0.000 min

Lab File: VV031682.D

Acq: 11 Jul 2023 16:30

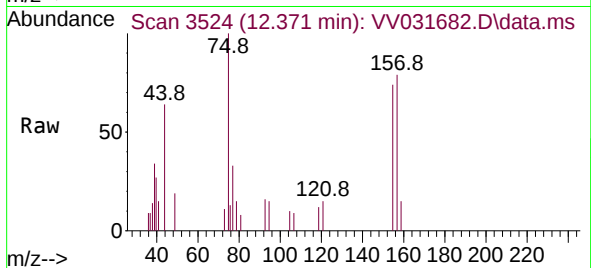
Tgt Ion:146	Resp:	10896
Ion Ratio	Lower	Upper
146	100	
111	53.7	34.8 52.2#
148	68.4	49.8 74.6





#68
1,2-Dibromo-3-chloropropane
Concen: 2.357 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

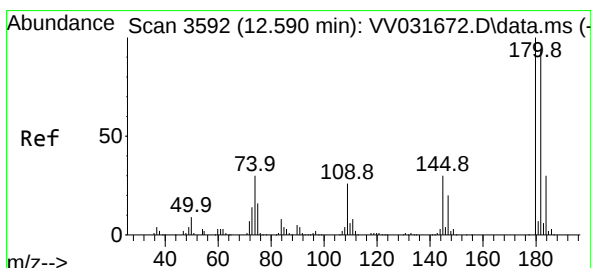
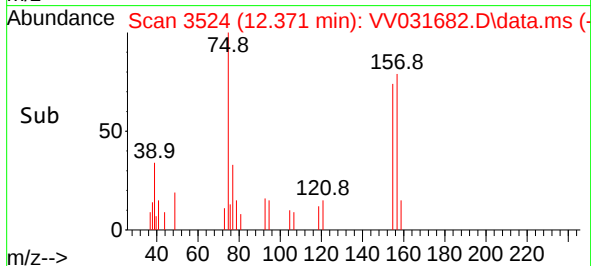
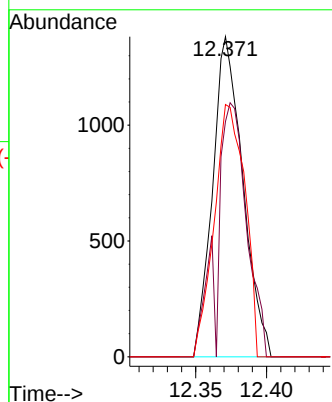


Tgt Ion: 75 Resp: 204
Ion Ratio Lower Upper
75 100
155 65.3 59.9 89.9
157 70.0 77.6 116.4

Manual Integrations
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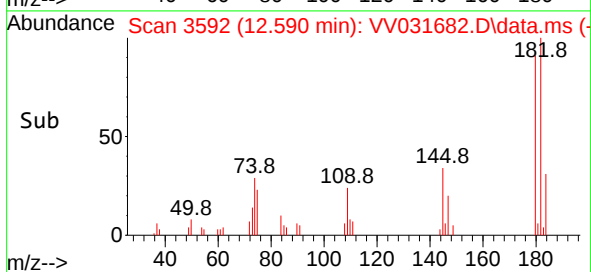
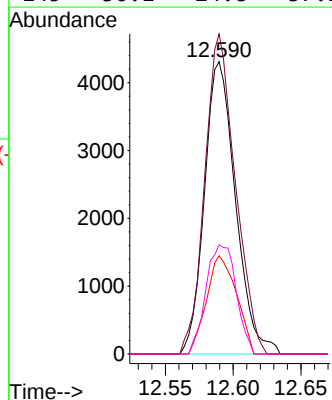
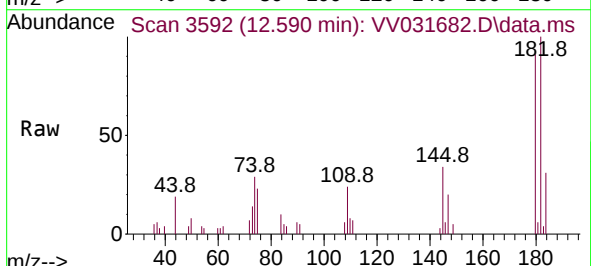
Reviewed By :John
Carlone
07/12/2023

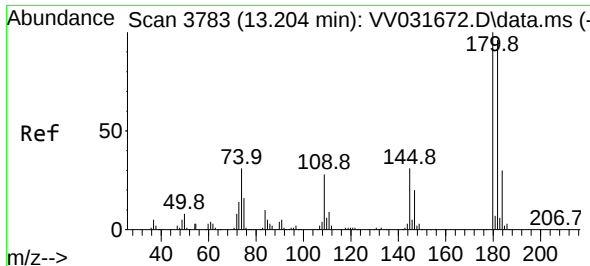
Supervised By :Mahesh
Dadoda
07/12/2023



#69
1,3,5-Trichlorobenzene
Concen: 2.114 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.000 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

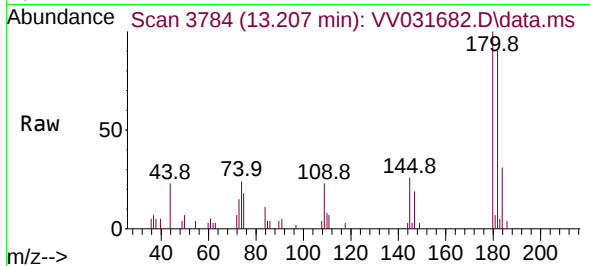
Tgt Ion:180 Resp: 6874
Ion Ratio Lower Upper
180 100
182 107.5 75.5 113.3
184 32.3 23.7 35.5
145 36.1 24.8 37.2





#70
1,2,4-trichlorobenzene
Concen: 2.210 ug/L
RT: 13.207 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

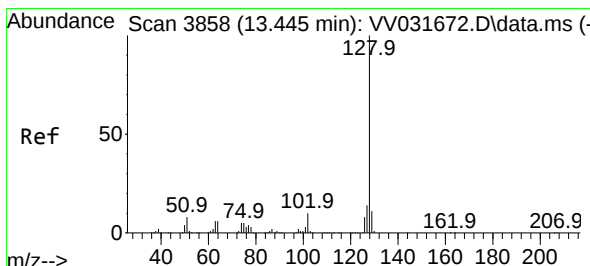
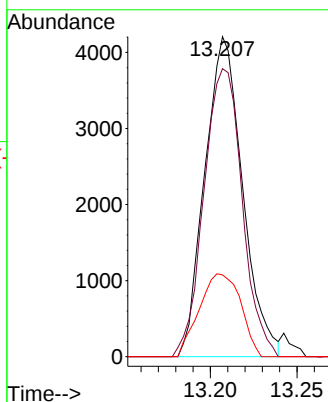
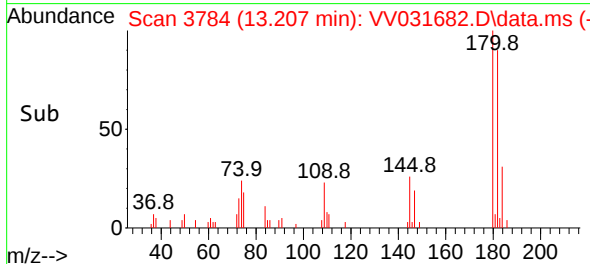


Tgt Ion:180 Resp: 6369
Ion Ratio Lower Upper
180 100
182 91.2 76.6 114.8
145 28.4 25.4 38.2

Manual Integrations
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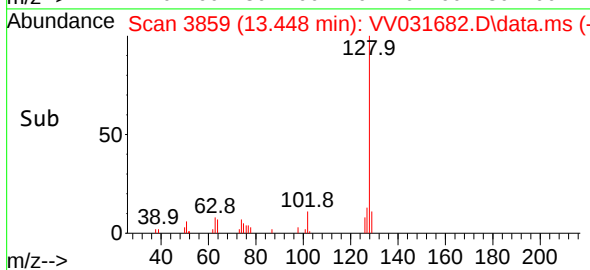
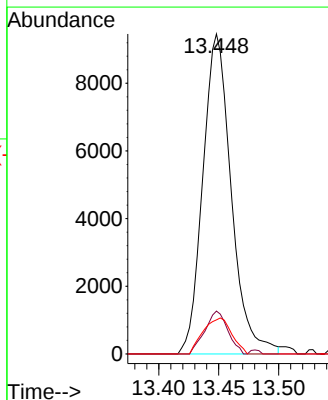
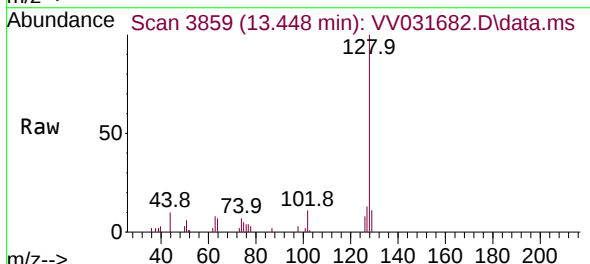
Reviewed By :John
Carlone
07/12/2023

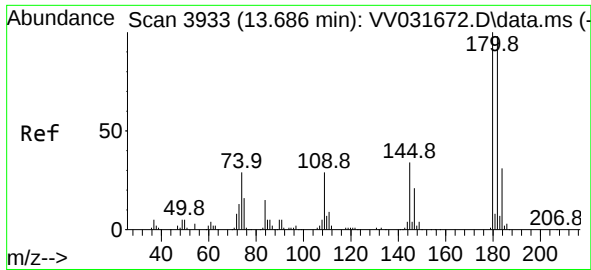
Supervised By :Mahesh
Dadoda
07/12/2023



#71
Naphthalene
Concen: 1.867 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV031682.D
Acq: 11 Jul 2023 16:30

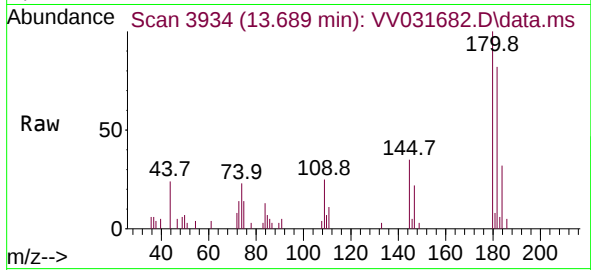
Tgt Ion:128 Resp: 15566
Ion Ratio Lower Upper
128 100
127 10.8 11.0 16.4#
129 11.2 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.976 ug/L
 RT: 13.689 min Scan# 3934
 Delta R.T. 0.003 min
 Lab File: VV031682.D
 Acq: 11 Jul 2023 16:30

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05



Tgt Ion:180 Resp: 5968
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.7 115.1
 145 36.2 27.7 41.5

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 07/12/2023

Supervised By :Mahesh
 Dadoda
 07/12/2023

