

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030778.D
 Acq On : 21 Apr 2023 21:04
 Operator : SY/MD
 Sample : 02215-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 22 02:47:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	229763	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	221481	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	112525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	67982	40.361	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.720%		
7) Chloroethane-d5	1.539	69	61228	43.379	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.760%		
11) 1,1-Dichloroethene-d2	2.066	65	34088	42.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.360%		
21) 2-Butanone-d5	3.805	46	88845	96.034	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.030%		
24) Chloroform-d	4.262	84	132676	43.466	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.940%		
26) 1,2-Dichloroethane-d4	4.953	65	95517	48.672	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.340%		
32) Benzene-d6	4.969	84	242787	46.365	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
36) 1,2-Dichloropropane-d6	5.998	67	74480	45.790	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.580%		
41) Toluene-d8	7.252	98	216135	43.961	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.920%		
43) trans-1,3-Dichloroprop...	7.561	79	35668	43.507	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.020%		
47) 2-Hexanone-d5	8.034	63	57493	89.725	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.720%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	107095	45.375	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.740%		
66) 1,2-Dichlorobenzene-d4	11.567	152	87778	49.078	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4626	2.342	ug/L	99
3) Chloromethane	1.220	50	7088	2.735	ug/L	95
5) Vinyl chloride	1.288	62	5555	2.659	ug/L #	76
6) Bromomethane	1.494	94	2631	3.176	ug/L	98
8) Chloroethane	1.555	64	3128	2.183	ug/L	87
9) Trichlorofluoromethane	1.719	101	8757	2.586	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5246	2.948	ug/L	87
12) 1,1-Dichloroethene	2.076	96	4570	2.841	ug/L #	1
13) Acetone	2.130	43	6391m	4.464	ug/L	
14) Carbon disulfide	2.249	76	9786	2.154	ug/L #	95
15) Methyl Acetate	2.391	43	4029	2.109	ug/L #	83
16) Methylene chloride	2.455	84	5283	2.870	ug/L	87
17) trans-1,2-Dichloroethene	2.706	96	3888	2.394	ug/L	94
18) Methyl tert-butyl Ether	2.715	73	12747	2.450	ug/L	96
19) 1,1-Dichloroethane	3.124	63	8408	2.539	ug/L	89
20) cis-1,2-Dichloroethene	3.825	96	4545m	2.573	ug/L	
22) 2-Butanone	3.915	43	7704m	5.208	ug/L	
23) Bromochloromethane	4.162	128	2823m	2.861	ug/L	
25) Chloroform	4.288	83	9308m	2.716	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.066	62	7054	2.431	ug/L #	94
29) Cyclohexane	4.600	56	5942	2.236	ug/L #	58
30) 1,1,1-Trichloroethane	4.529	97	7778	2.499	ug/L #	92
31) Carbon tetrachloride	4.751	117	6584	2.366	ug/L	94
33) Benzene	5.024	78	17120	2.545	ug/L	100
34) Trichloroethene	5.850	95	4693	2.683	ug/L	97
35) Methylcyclohexane	6.059	83	6648m	2.425	ug/L	
37) 1,2-Dichloropropane	6.104	63	4729m	2.612	ug/L	
38) Bromodichloromethane	6.445	83	6278	2.469	ug/L #	95
39) cis-1,3-Dichloropropene	6.969	75	6550m	2.411	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	10864	4.296	ug/L	98
42) Toluene	7.329	91	16946	2.352	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	7064	2.646	ug/L	88
45) 1,1,2-Trichloroethane	7.783	97	4804	2.647	ug/L	93
46) Tetrachloroethene	7.918	164	3649	2.383	ug/L	90
48) 2-Hexanone	8.091	43	16079m	7.706	ug/L	
49) Dibromochloromethane	8.185	129	4912	2.453	ug/L	96
50) 1,2-Dibromoethane	8.294	107	4396	2.337	ug/L	95
51) Chlorobenzene	8.825	112	12949	2.714	ug/L	94
52) Ethylbenzene	8.956	91	17356	2.176	ug/L	99
53) m,p-Xylene	9.085	106	6449	2.141	ug/L	99
54) o-Xylene	9.490	106	6370	2.162	ug/L	94
55) Styrene	9.509	104	10565m	2.041	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.185	83	7578	2.543	ug/L #	98
59) Bromoform	9.673	173	4191	2.975	ug/L	100
60) Isopropylbenzene	9.876	105	16534	2.356	ug/L	96
61) 1,2,3-Trichloropropane	10.217	75	5926	2.940	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	13415	2.322	ug/L	97
63) 1,2,4-Trimethylbenzene	10.863	105	12280	2.129	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	8752	2.491	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	11096	2.995	ug/L	91
67) 1,2-Dichlorobenzene	11.590	146	11106	3.133	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.374	75	1783	2.986	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.593	180	5837m	2.199	ug/L	
70) 1,2,4-trichlorobenzene	13.210	180	5112	2.269	ug/L	98
71) Naphthalene	13.451	128	11613	1.884	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	4981	2.229	ug/L	95

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

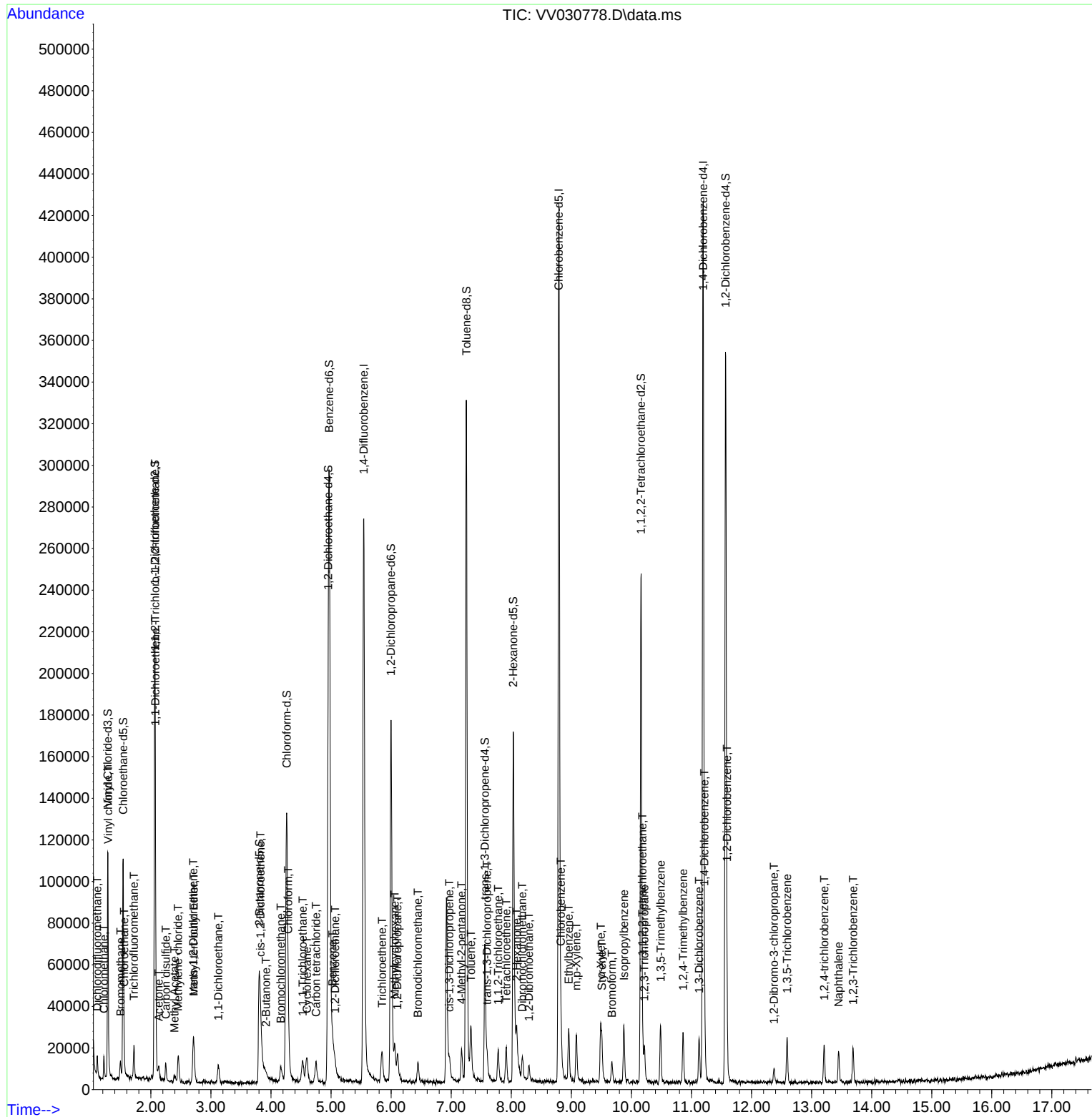
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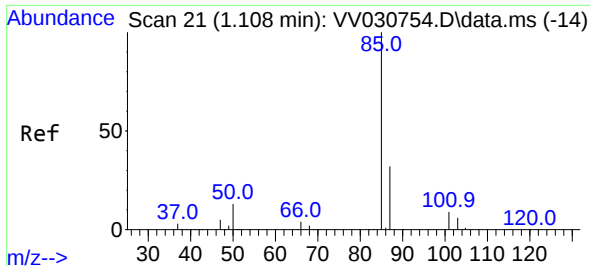
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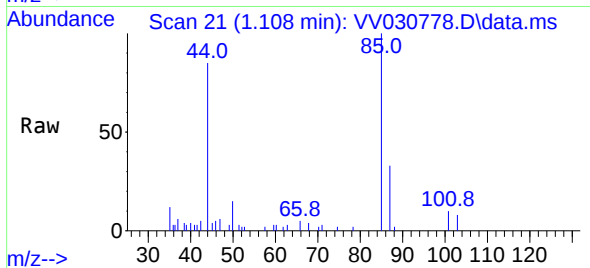
Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023





#2
Dichlorodifluoromethane
Concen: 2.342 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

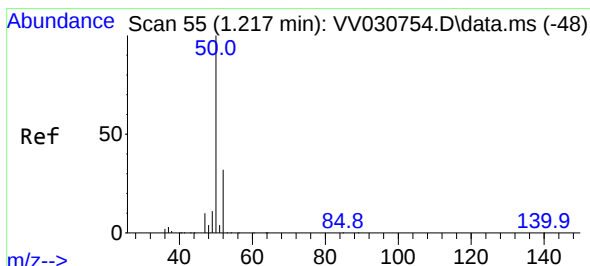
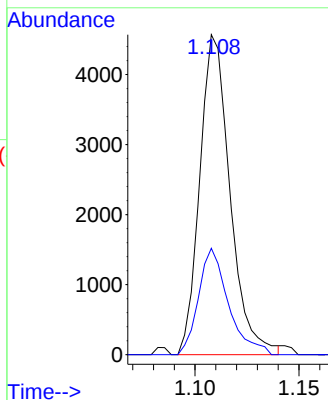
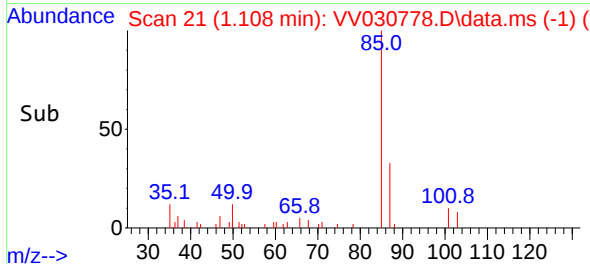
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



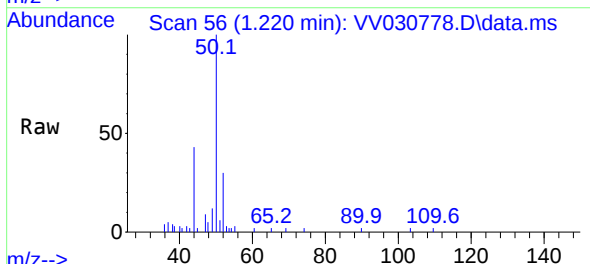
Tgt Ion: 85 Resp: 4620
Ion Ratio Lower Upper
85 100
87 32.8 25.6 38.4

Manual Integrations
APPROVED

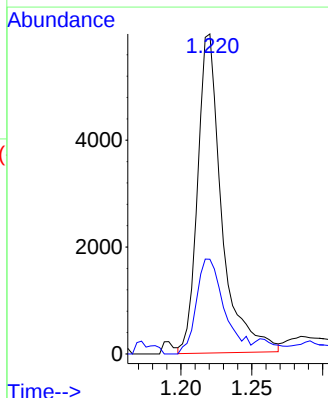
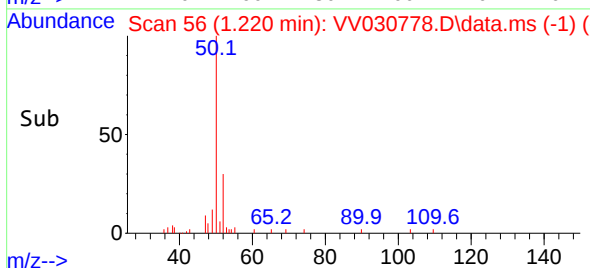
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

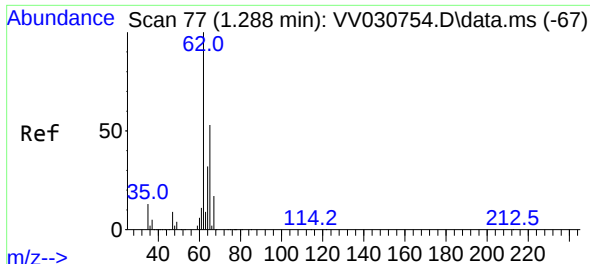


#3
Chloromethane
Concen: 2.735 ug/L
RT: 1.220 min Scan# 56
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



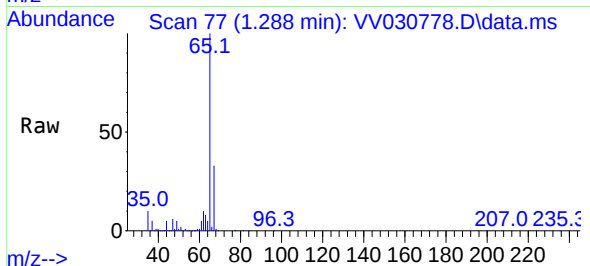
Tgt Ion: 50 Resp: 7088
Ion Ratio Lower Upper
50 100
52 29.6 22.5 41.9





#5
 Vinyl chloride
 Concen: 2.659 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

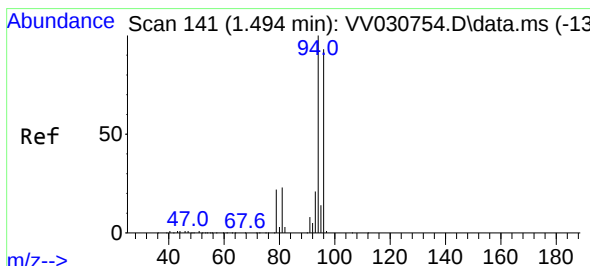
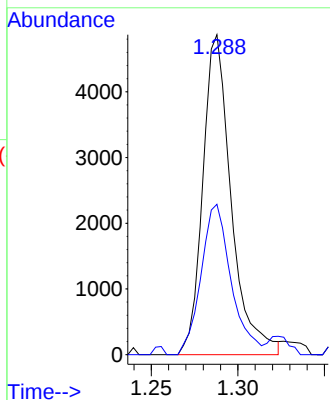
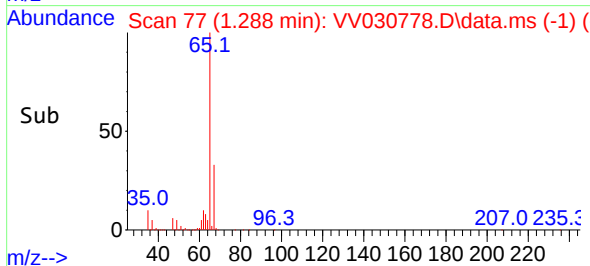
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 62 Resp: 555
 Ion Ratio Lower Upper
 62 100
 64 47.0 23.4 43.4

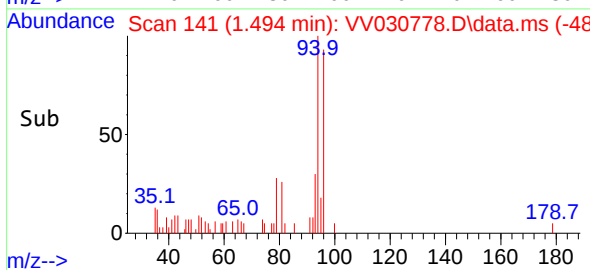
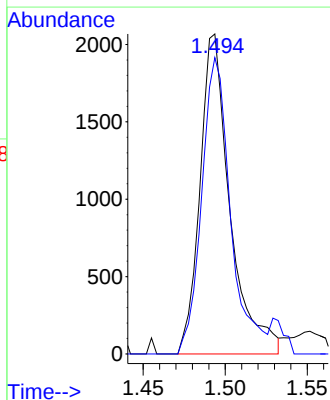
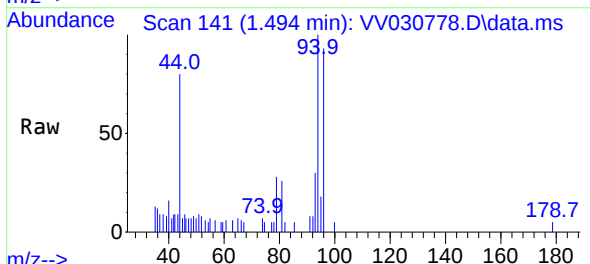
Manual Integrations
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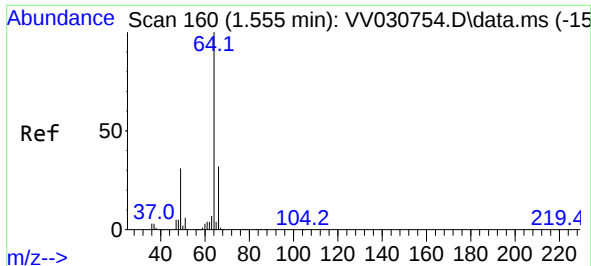
Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023



#6
 Bromomethane
 Concen: 3.176 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

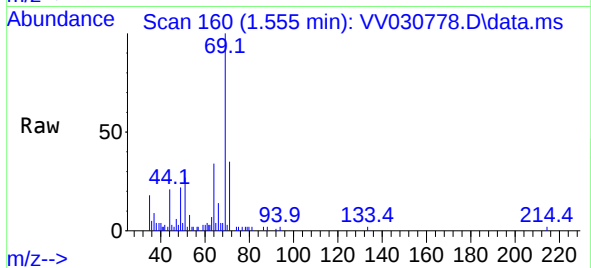
Tgt Ion: 94 Resp: 2631
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.3 123.1





#8
Chloroethane
Concen: 2.183 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

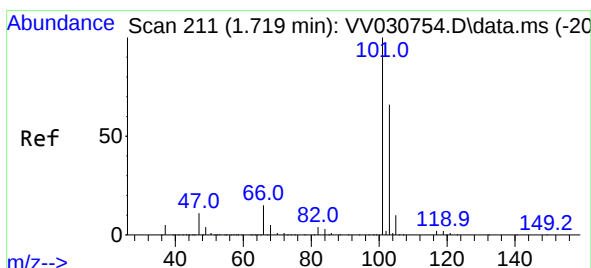
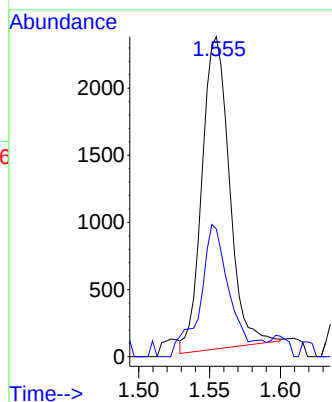
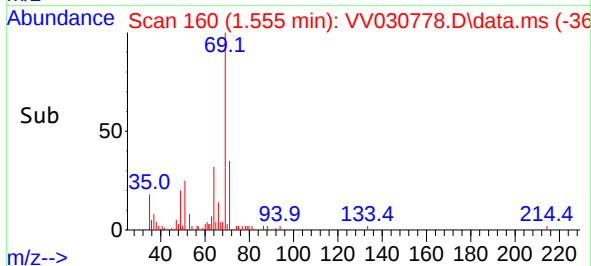
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



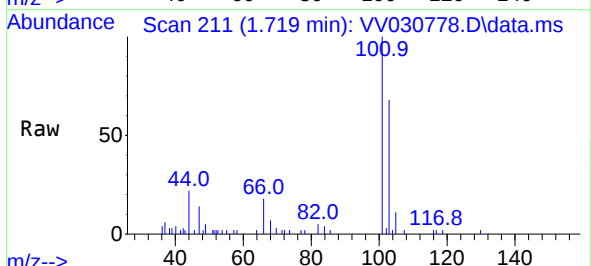
Tgt Ion: 64 Resp: 3128
Ion Ratio Lower Upper
64 100
66 39.9 22.7 42.3

Manual Integrations
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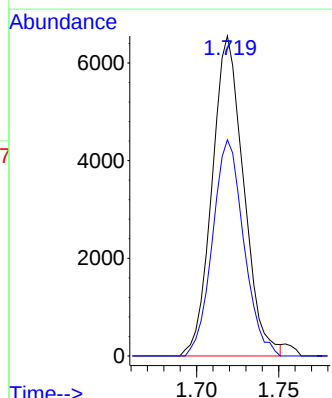
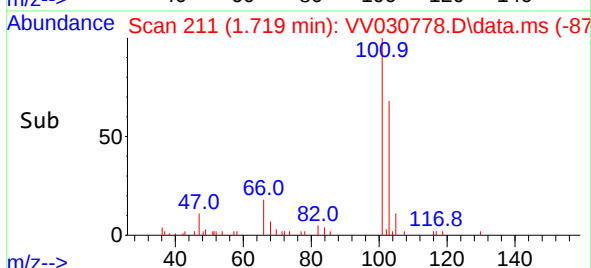
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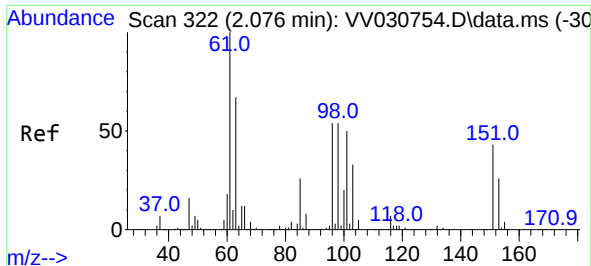


#9
Trichlorofluoromethane
Concen: 2.586 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



Tgt Ion:101 Resp: 8757
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.0





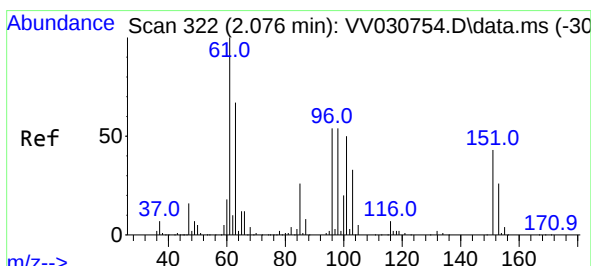
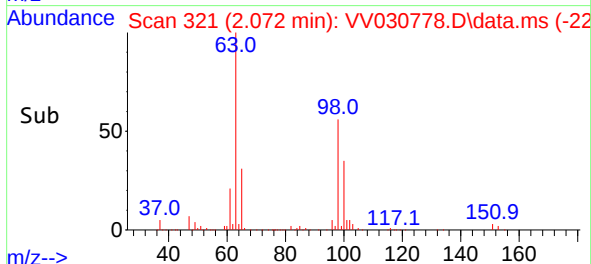
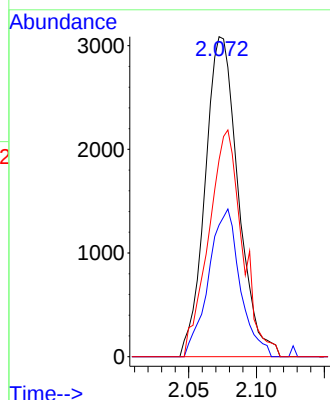
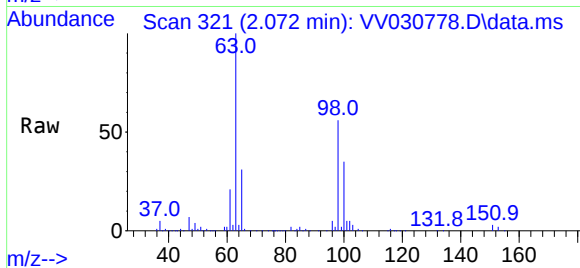
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.948 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

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Tgt Ion:101 Resp: 5240
Ion Ratio Lower Upper
101 100
85 44.0 37.5 56.3
151 64.2 63.5 95.3

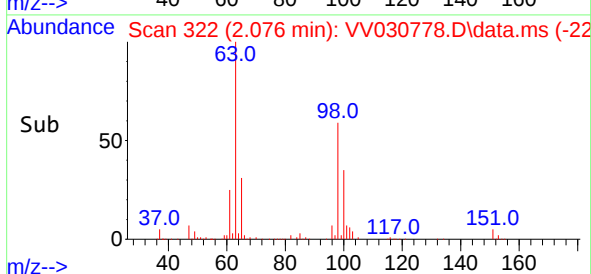
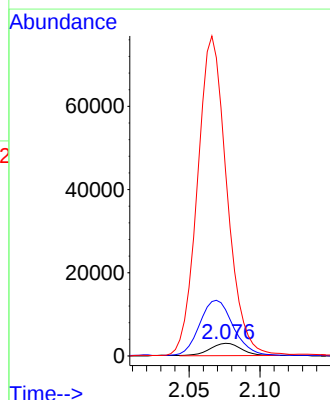
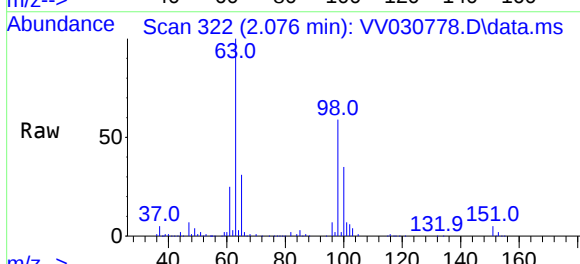
Manual Integrations
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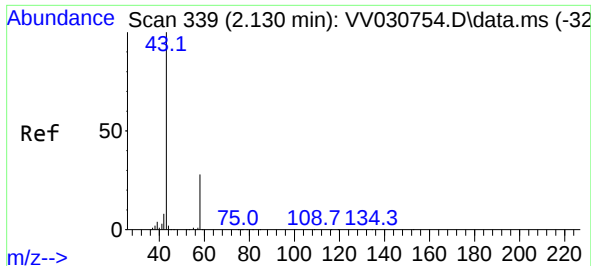
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#12
1,1-Dichloroethene
Concen: 2.841 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

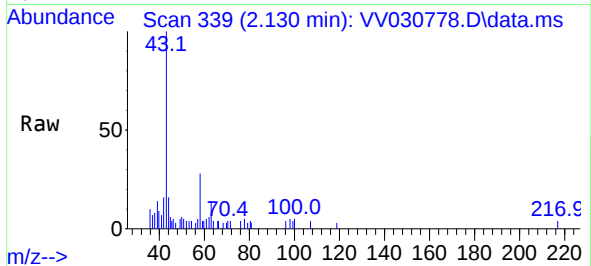
Tgt Ion: 96 Resp: 4570
Ion Ratio Lower Upper
96 100
61 367.5 131.9 245.0#
63 1474.7 99.8 185.3#





#13
Acetone
Concen: 4.464 ug/L m
RT: 2.130 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

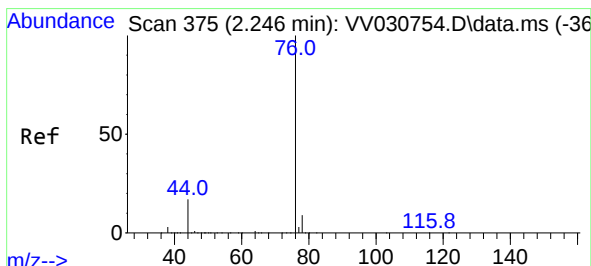
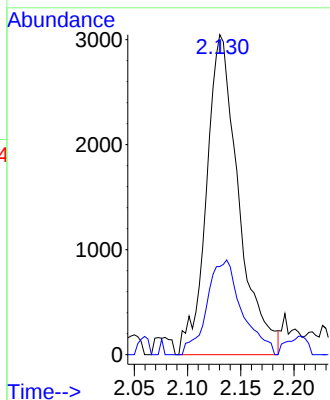
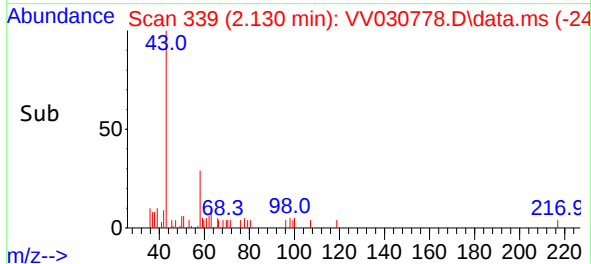
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Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 32.3 0.0 52.8

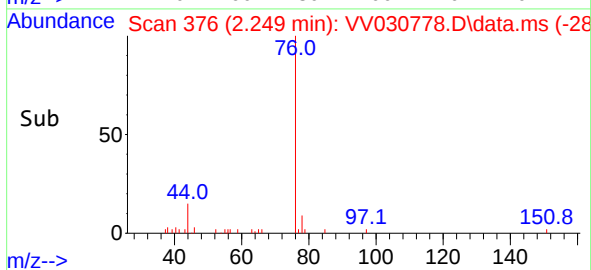
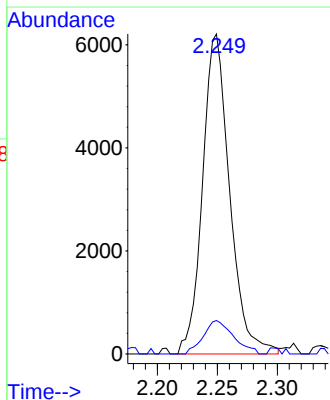
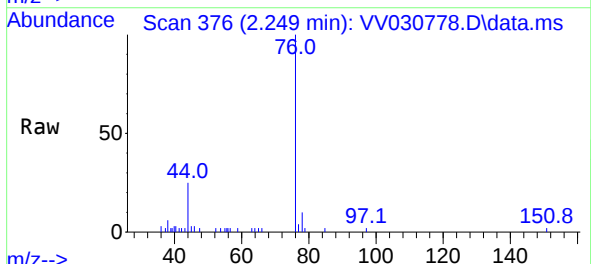
Manual Integrations
APPROVED

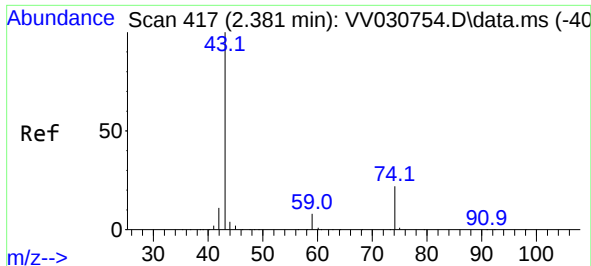
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#14
Carbon disulfide
Concen: 2.154 ug/L
RT: 2.249 min Scan# 376
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

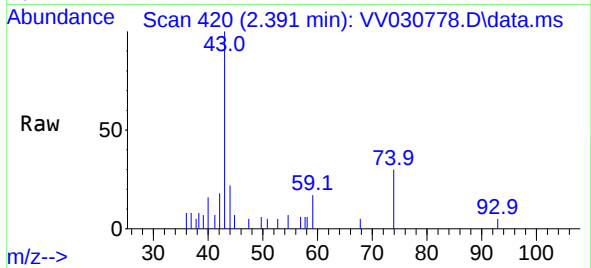
Tgt Ion: 76 Resp: 9786
Ion Ratio Lower Upper
76 100
78 10.5 7.0 10.4#





#15
Methyl Acetate
Concen: 2.109 ug/L
RT: 2.391 min Scan# 417
Delta R.T. 0.009 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

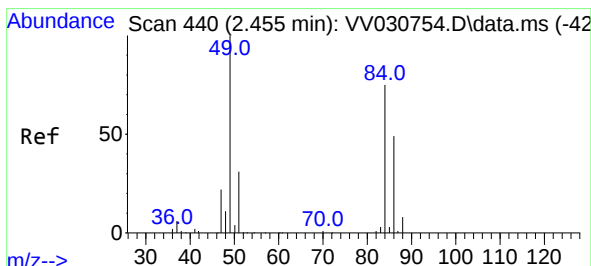
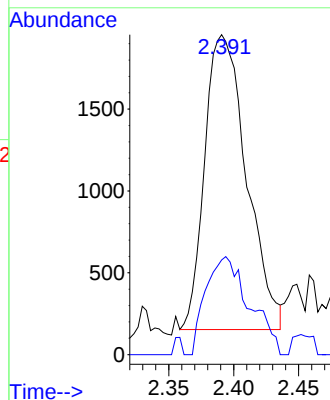
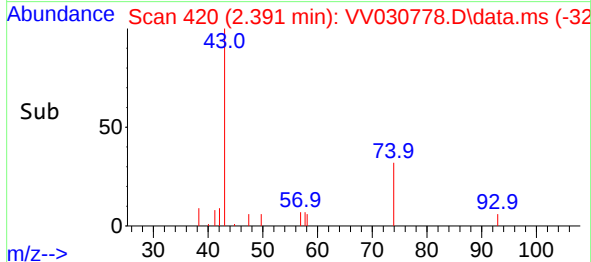
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 4029
Ion Ratio Lower Upper
43 100
74 30.1 17.7 26.5

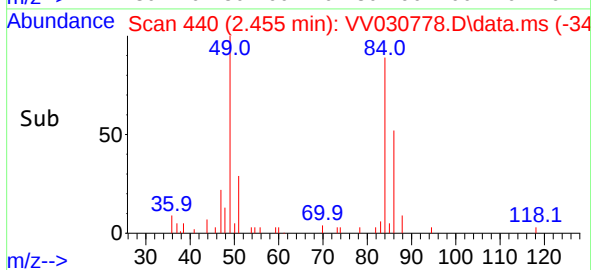
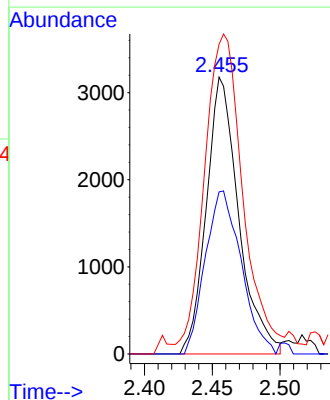
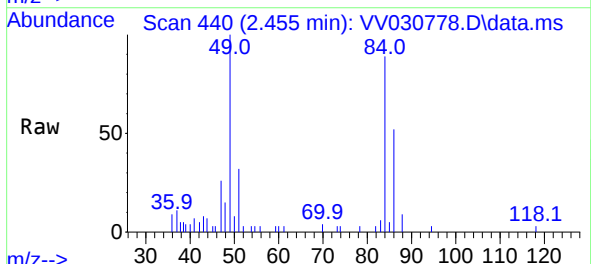
Manual Integrations
APPROVED

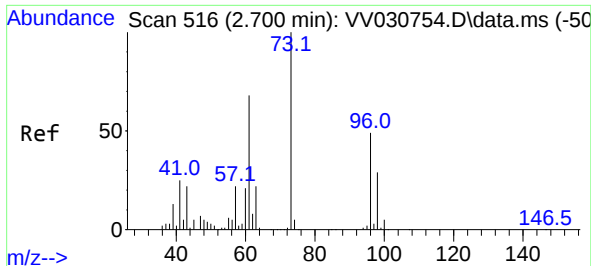
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#16
Methylene chloride
Concen: 2.870 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

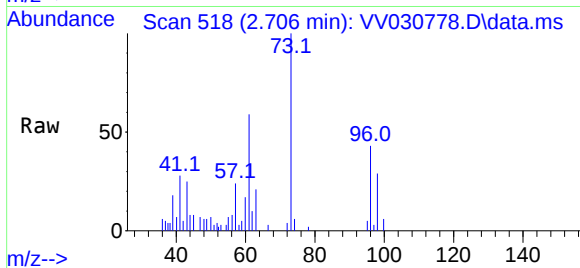
Tgt Ion: 84 Resp: 5283
Ion Ratio Lower Upper
84 100
86 58.5 45.4 84.2
49 111.9 90.4 168.0





#17
trans-1,2-Dichloroethene
Concen: 2.394 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

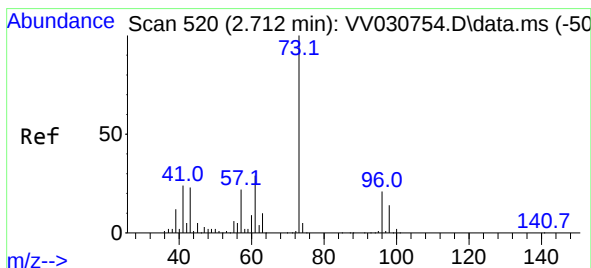
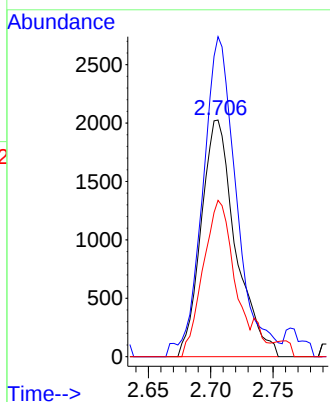
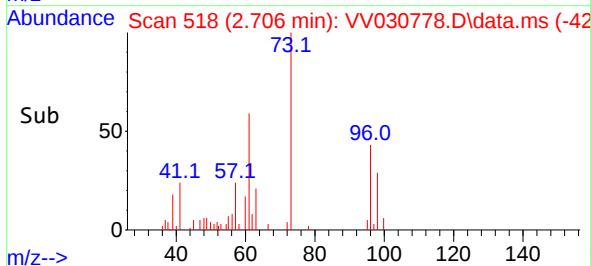
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



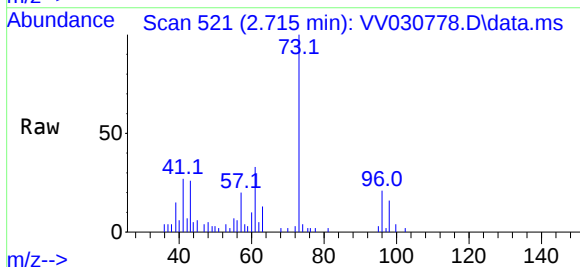
Tgt Ion: 96 Resp: 388
Ion Ratio Lower Upper
96 100
61 135.2 101.0 187.6
98 66.0 45.4 84.2

Manual Integrations
APPROVED

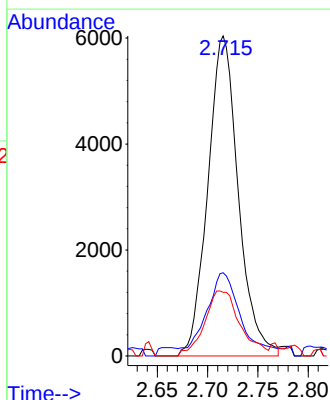
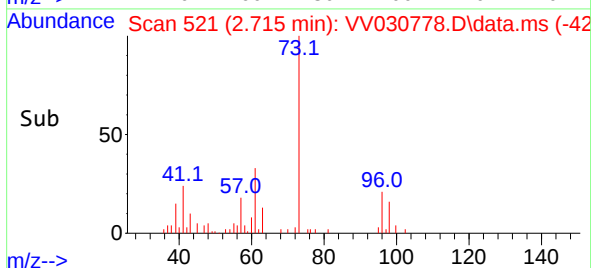
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

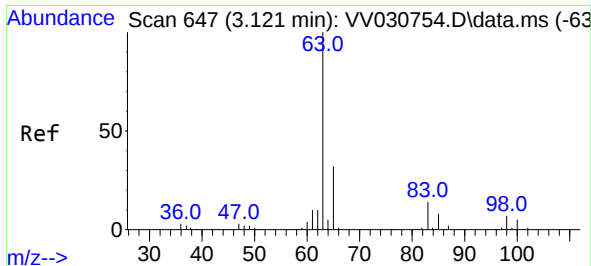


#18
Methyl tert-butyl Ether
Concen: 2.450 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



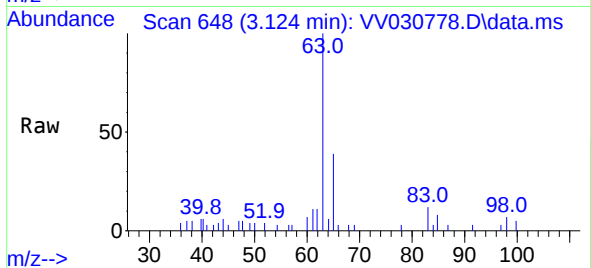
Tgt Ion: 73 Resp: 12747
Ion Ratio Lower Upper
73 100
43 23.2 17.6 26.4
57 20.4 18.2 27.2





#19
1,1-Dichloroethane
Concen: 2.539 ug/L
RT: 3.124 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

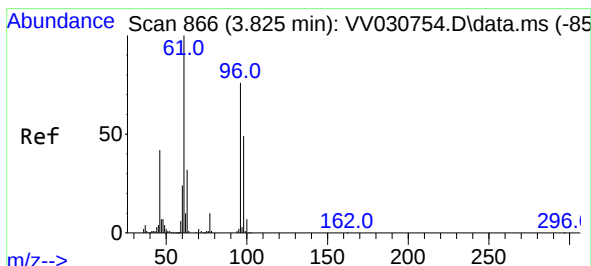
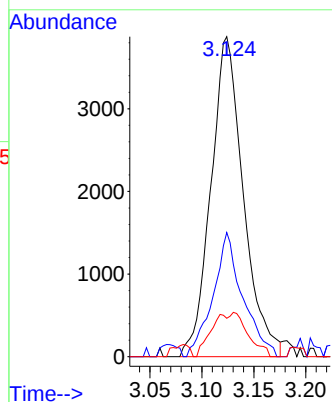
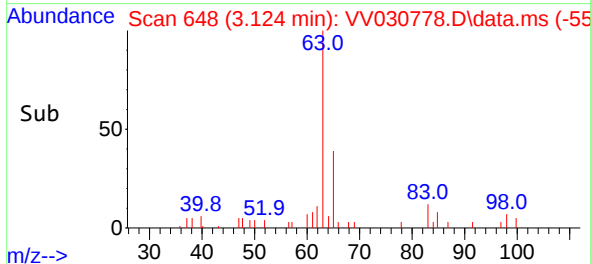
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 63 Resp: 8408
Ion Ratio Lower Upper
63 100
65 38.8 21.8 40.6
83 12.0 10.2 19.0

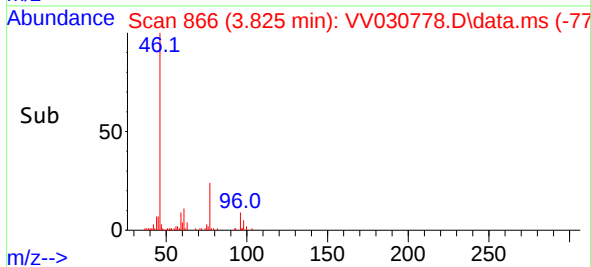
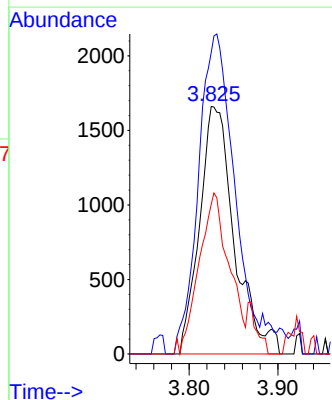
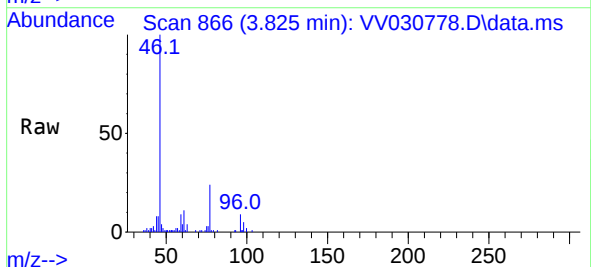
Manual Integrations
APPROVED

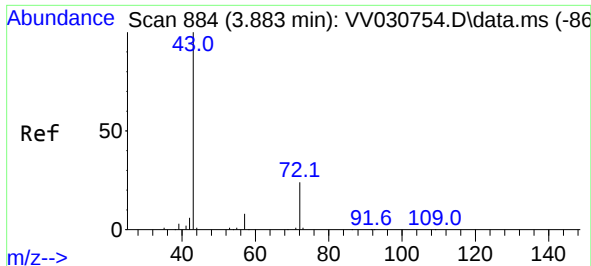
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#20
cis-1,2-Dichloroethene
Concen: 2.573 ug/L m
RT: 3.825 min Scan# 866
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

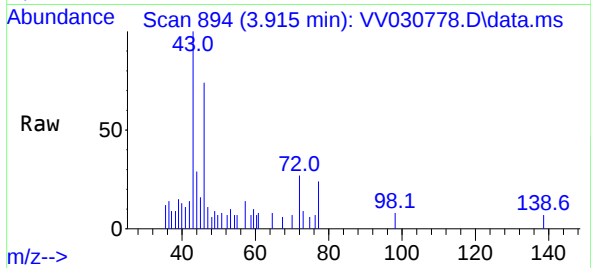
Tgt Ion: 96 Resp: 4545
Ion Ratio Lower Upper
96 100
61 121.8 92.3 171.3
98 60.5 45.9 85.3





#22
2-Butanone
Concen: 5.208 ug/L m
RT: 3.915 min Scan# 894
Delta R.T. 0.032 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

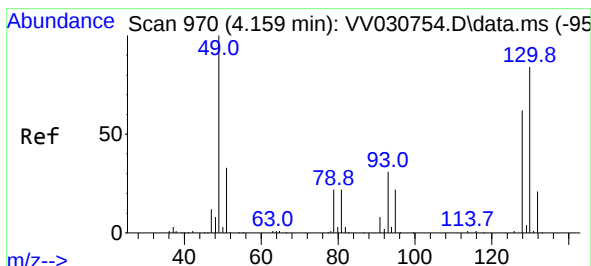
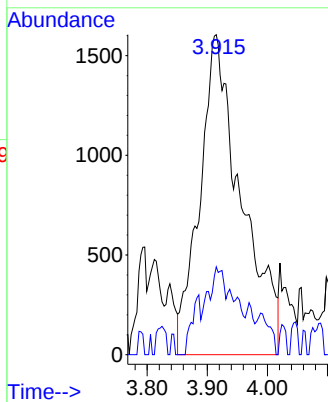
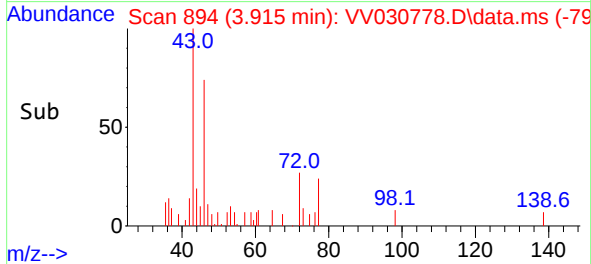
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



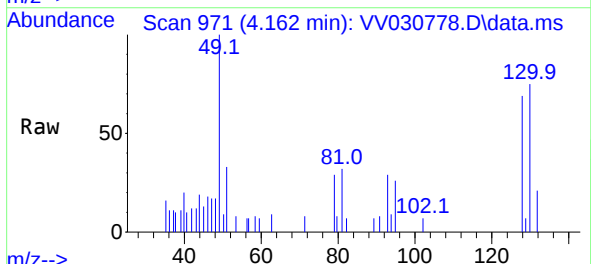
Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
72 1.0 11.5 34.4

Manual Integrations
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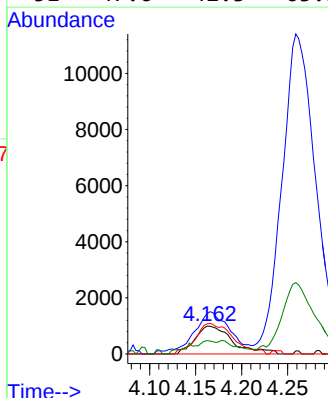
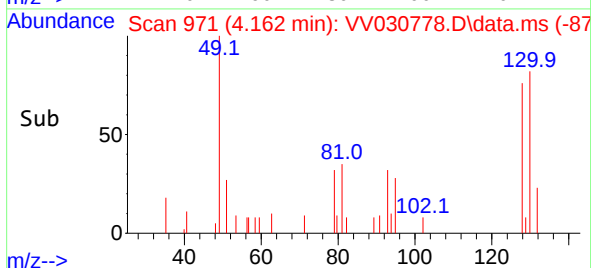
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

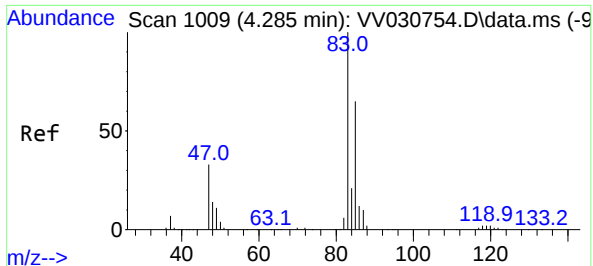


#23
Bromochloromethane
Concen: 2.861 ug/L m
RT: 4.162 min Scan# 971
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



Tgt Ion:128 Resp: 2823
Ion Ratio Lower Upper
128 100
49 143.9 114.7 213.1
130 108.1 89.0 165.2
51 47.6 42.3 63.5





#25

Chloroform

Concen: 2.716 ug/L m

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 83 Resp: 9308

Ion Ratio Lower Upper

83 100

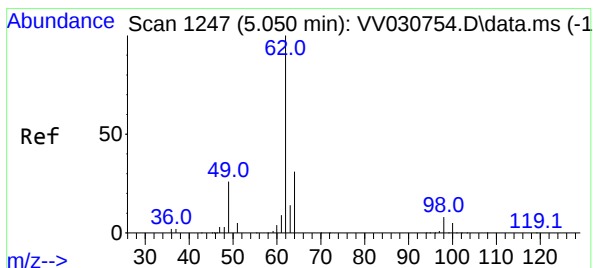
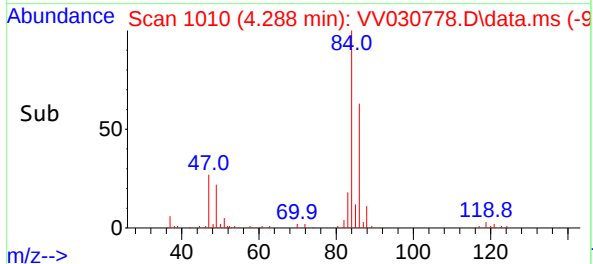
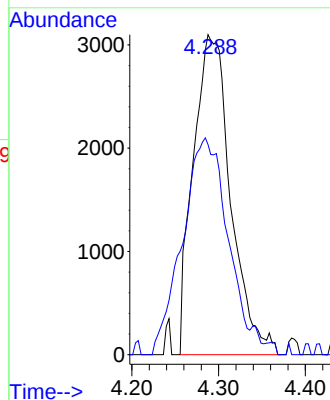
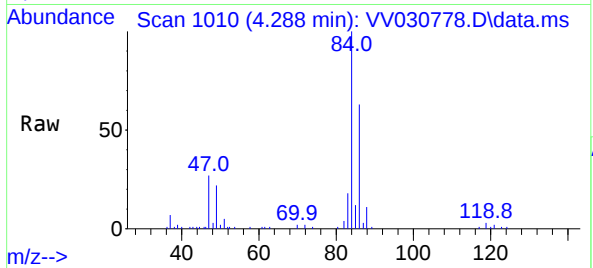
85 65.6 45.8 85.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#27

1,2-Dichloroethane

Concen: 2.431 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.016 min

Lab File: VV030778.D

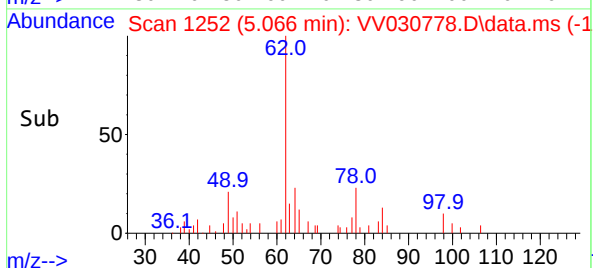
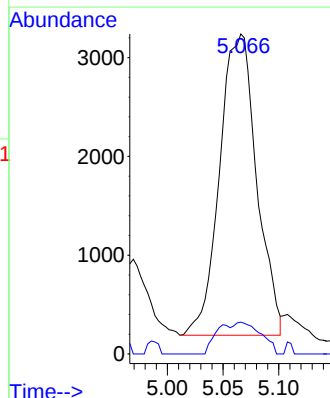
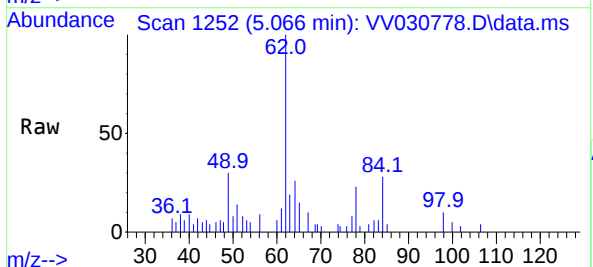
Acq: 21 Apr 2023 21:04

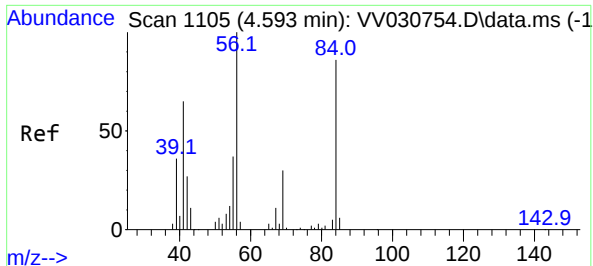
Tgt Ion: 62 Resp: 7054

Ion Ratio Lower Upper

62 100

98 10.0 6.4 9.6#





#29

Cyclohexane

Concen: 2.236 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV030778.D

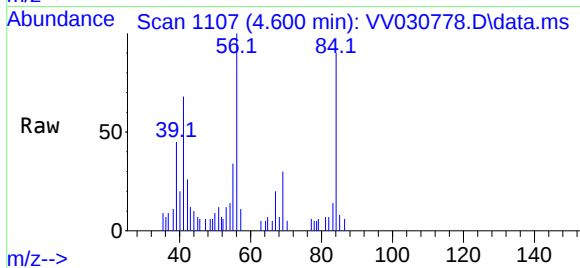
Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 56 Resp: 594

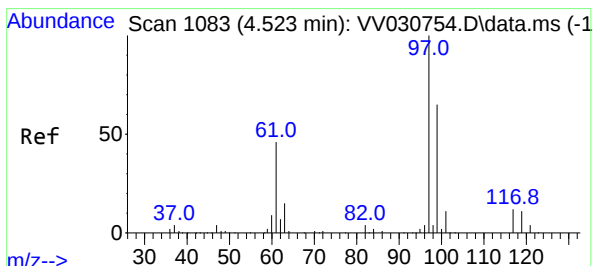
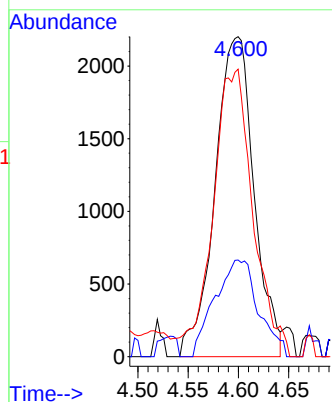
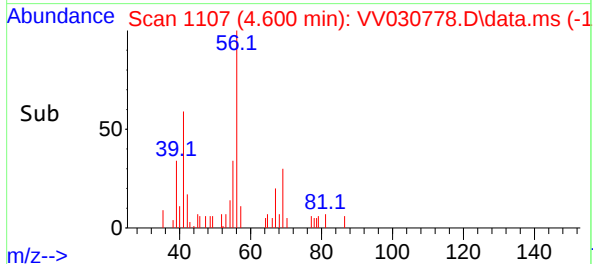
Ion	Ratio	Lower	Upper
56	100		
69	21.0	24.0	36.0
84	38.9	68.2	102.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#30

1,1,1-Trichloroethane

Concen: 2.499 ug/L

RT: 4.529 min Scan# 1085

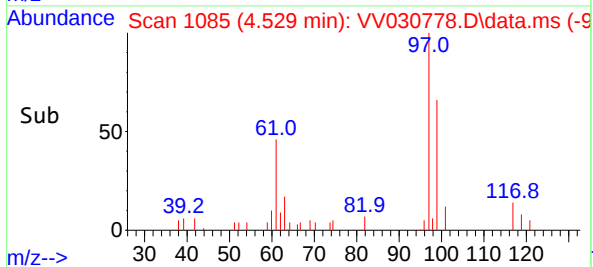
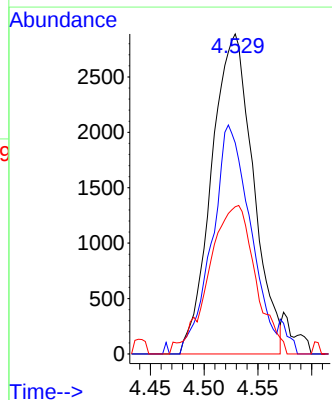
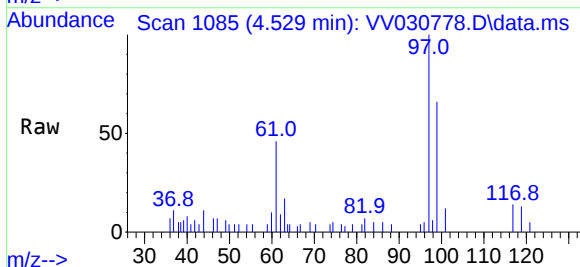
Delta R.T. 0.006 min

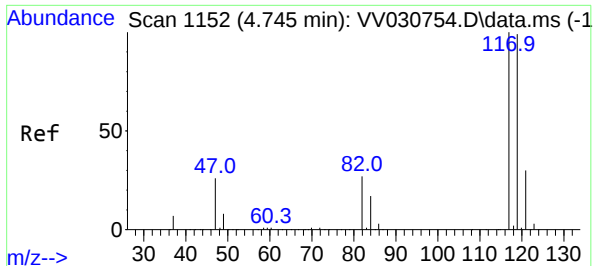
Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Tgt Ion: 97 Resp: 7778

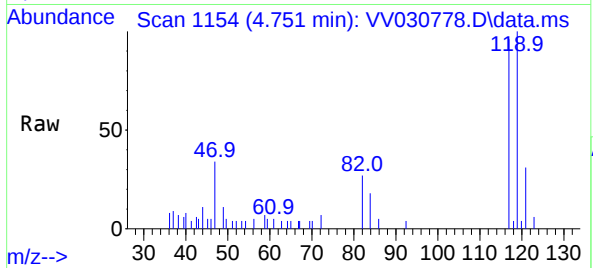
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.4	77.0
61	35.8	37.0	55.6





#31
Carbon tetrachloride
Concen: 2.366 ug/L
RT: 4.751 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

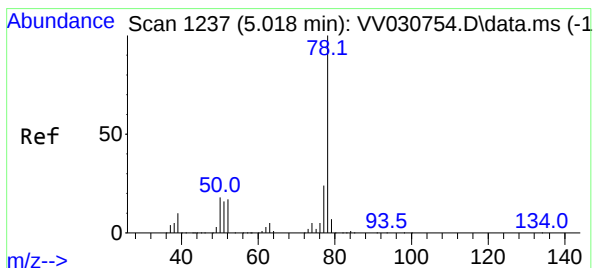
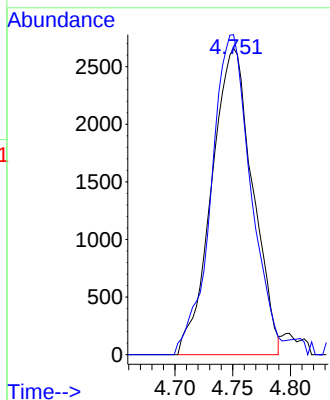
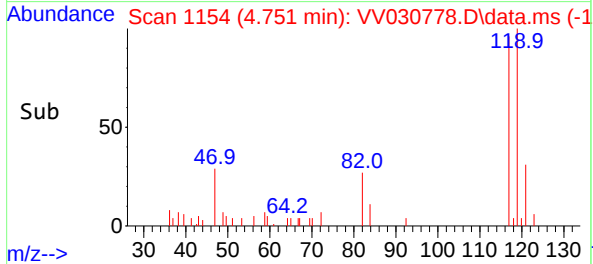
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



Tgt Ion:117 Resp: 6584
Ion Ratio Lower Upper
117 100
119 100.5 75.9 113.9

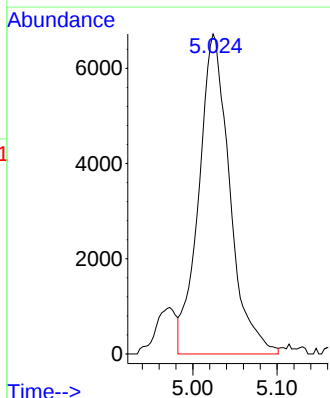
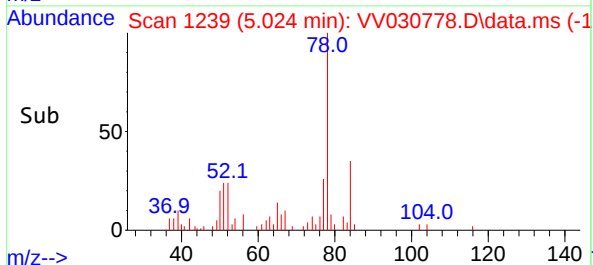
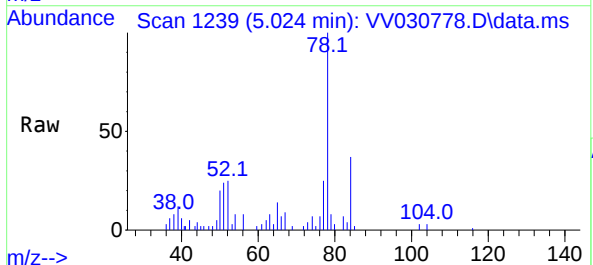
Manual Integrations
APPROVED

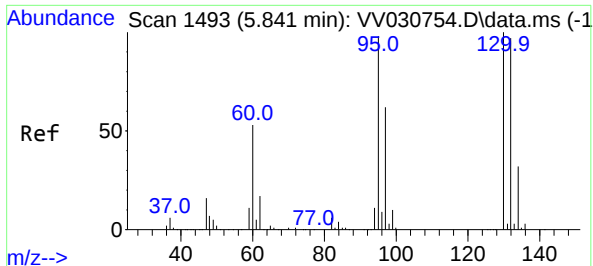
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#33
Benzene
Concen: 2.545 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

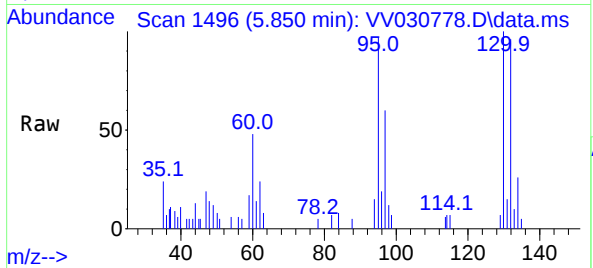
Tgt Ion: 78 Resp: 17120





#34
Trichloroethene
Concen: 2.683 ug/L
RT: 5.850 min Scan# 1496
Delta R.T. 0.009 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

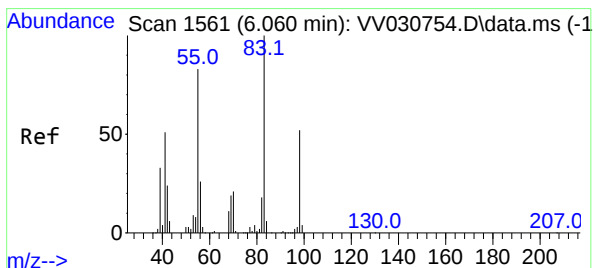
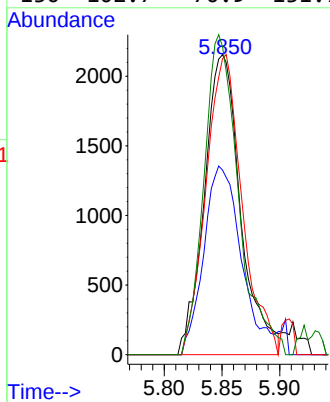
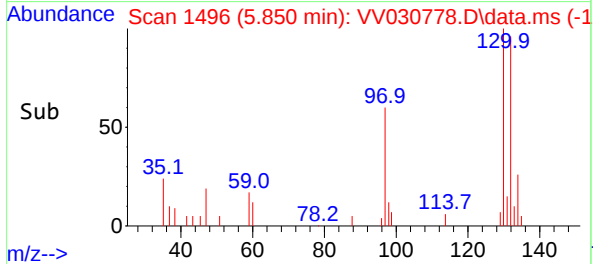
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



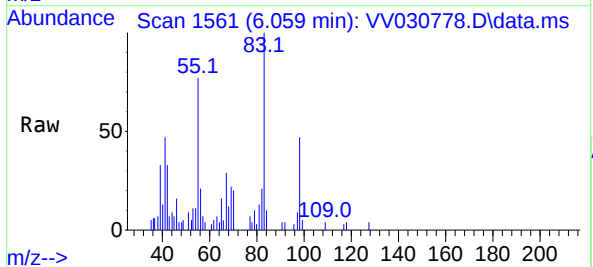
Tgt Ion: 95 Resp: 469
Ion Ratio Lower Upper
95 100
97 61.5 45.8 85.2
132 98.6 70.6 131.2
130 102.7 70.9 131.7

Manual Integrations
APPROVED

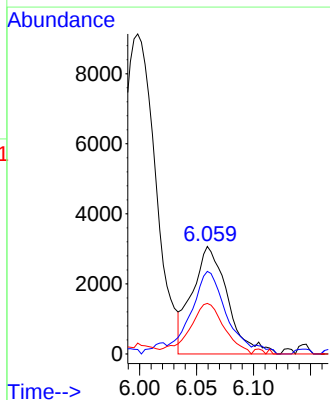
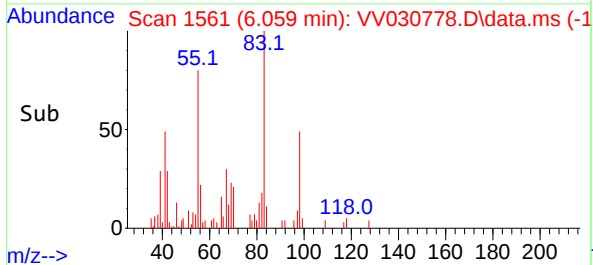
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

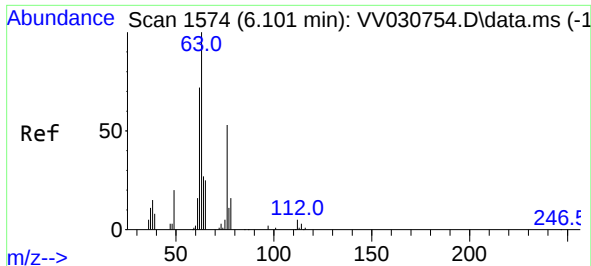


#35
Methylcyclohexane
Concen: 2.425 ug/L m
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



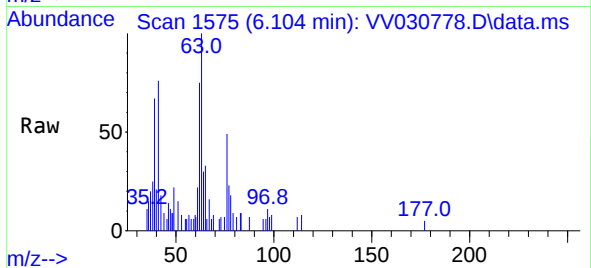
Tgt Ion: 83 Resp: 6648
Ion Ratio Lower Upper
83 100
55 69.3 65.5 98.3
98 46.0 38.7 58.1





#37
1,2-Dichloropropane
Concen: 2.612 ug/L m
RT: 6.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

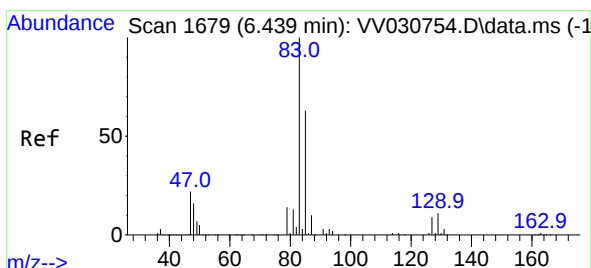
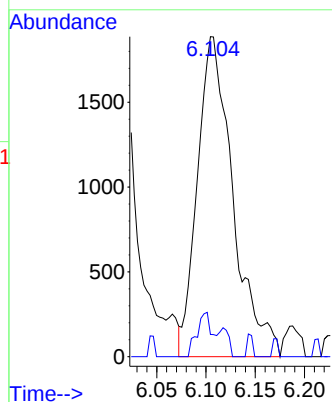
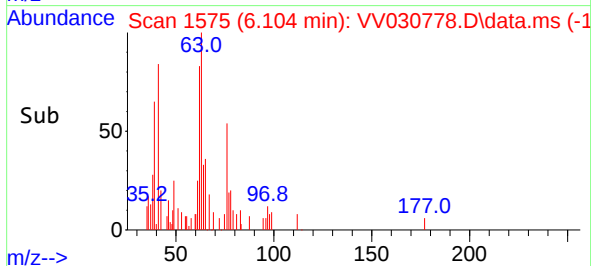
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



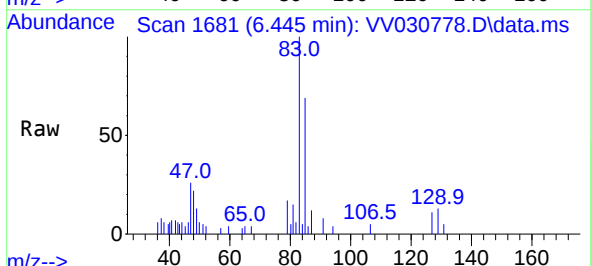
Tgt Ion: 63 Resp: 4729
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.8

Manual Integrations
APPROVED

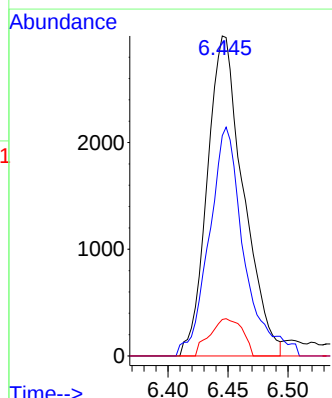
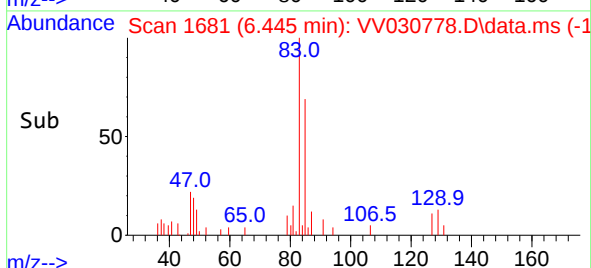
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

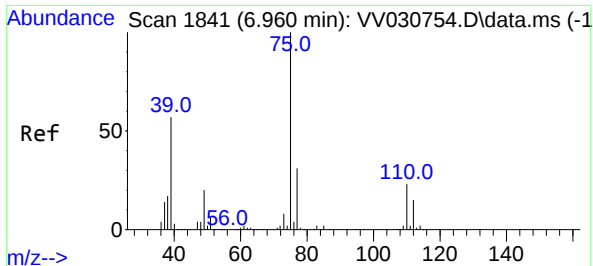


#38
Bromodichloromethane
Concen: 2.469 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



Tgt Ion: 83 Resp: 6278
Ion Ratio Lower Upper
83 100
85 68.9 45.4 84.4
127 11.4 7.0 10.4#





#39

cis-1,3-Dichloropropene

Concen: 2.411 ug/L m

RT: 6.969 min Scan# 1

Delta R.T. 0.009 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

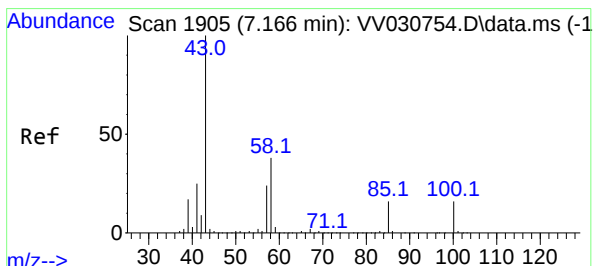
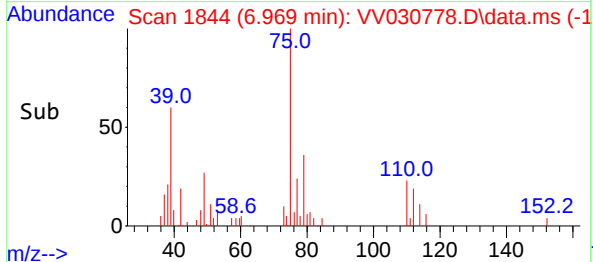
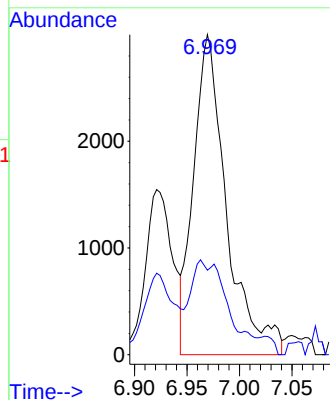
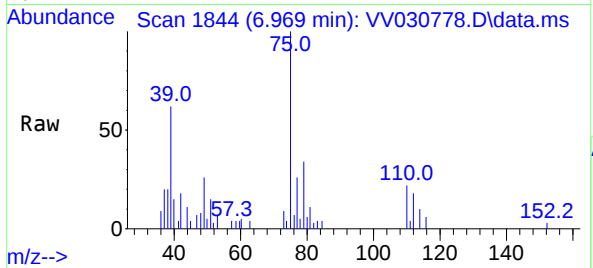
Tgt Ion: 75 Resp: 6550
 Ion Ratio Lower Upper
 75 100
 77 26.4 22.0 40.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#40

4-Methyl-2-pentanone

Concen: 4.296 ug/L

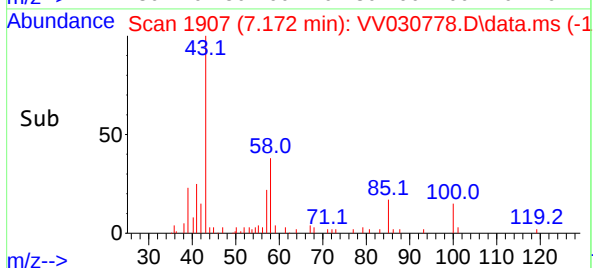
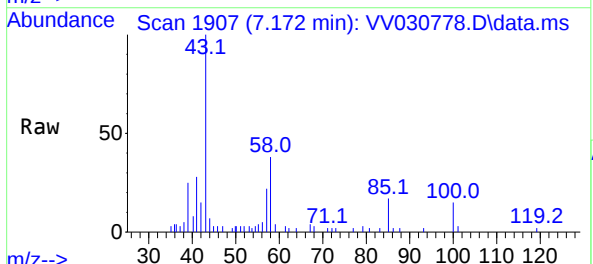
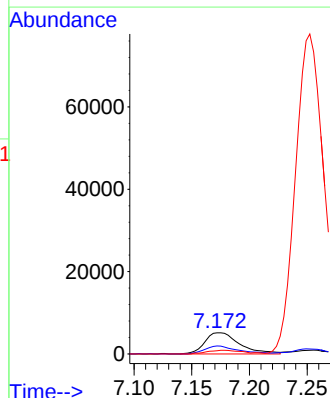
RT: 7.172 min Scan# 1907

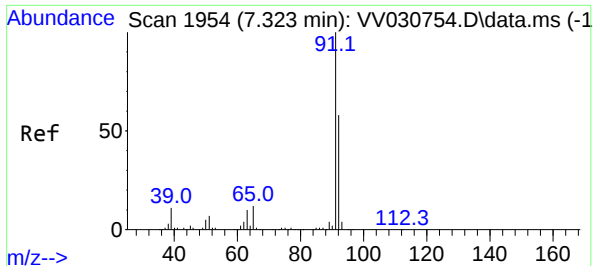
Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

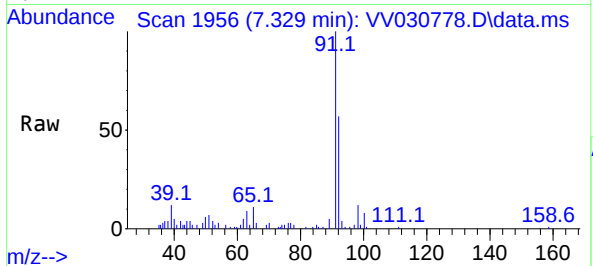
Tgt Ion: 43 Resp: 10864
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 16.5 11.3 16.9





#42
Toluene
Concen: 2.352 ug/L
RT: 7.329 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

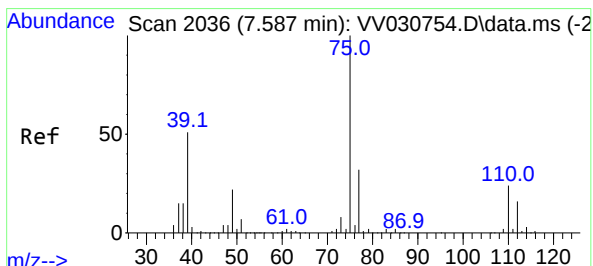
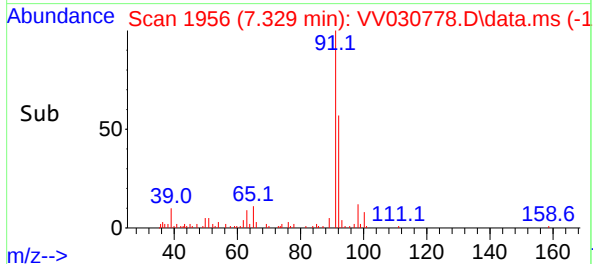
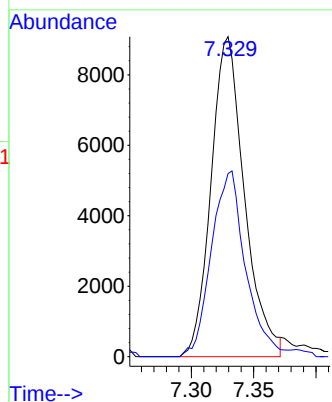
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 91 Resp: 16940
Ion Ratio Lower Upper
91 100
92 57.2 39.8 73.8

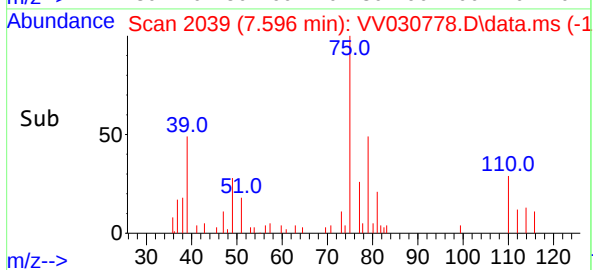
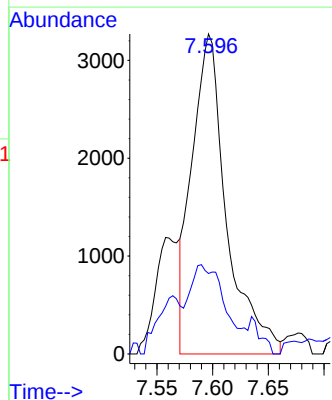
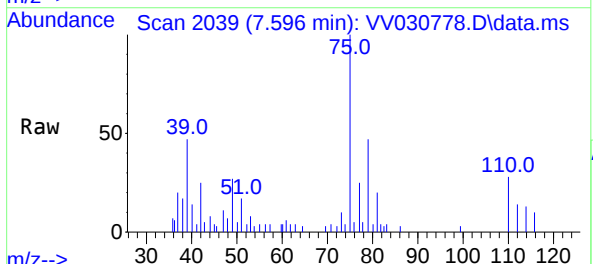
Manual Integrations
APPROVED

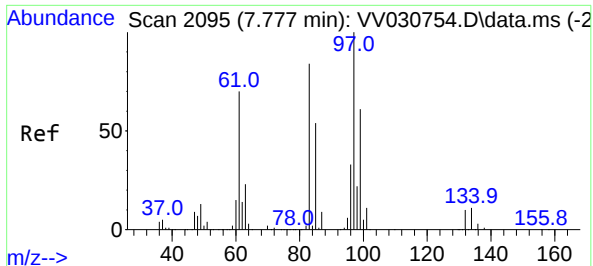
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#44
trans-1,3-Dichloropropene
Concen: 2.646 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.009 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

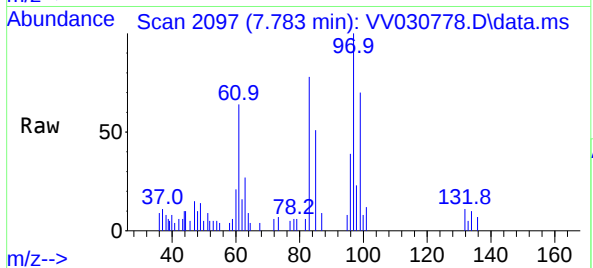
Tgt Ion: 75 Resp: 7064
Ion Ratio Lower Upper
75 100
77 25.2 22.1 41.1





#45
1,1,2-Trichloroethane
Concen: 2.647 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

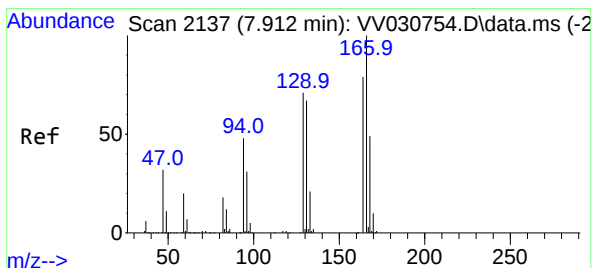
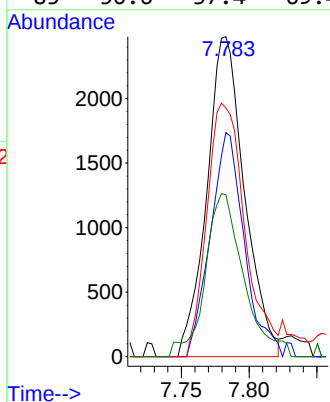
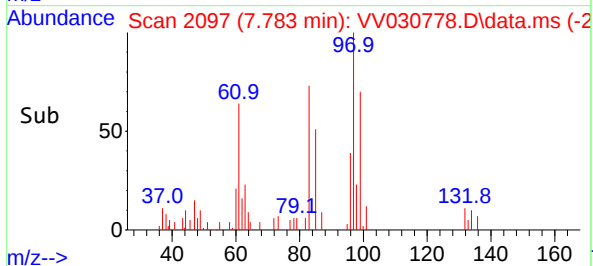


Tgt Ion: 97 Resp: 4804

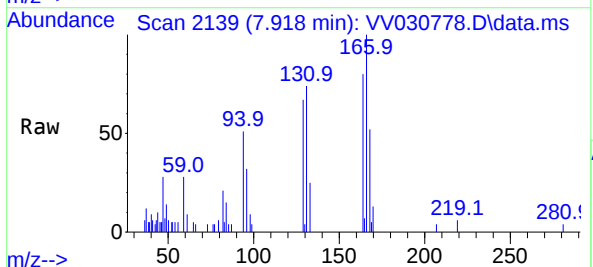
Ion	Ratio	Lower	Upper
97	100		
99	70.1	43.8	81.4
83	77.7	59.6	110.6
85	50.6	37.4	69.4

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

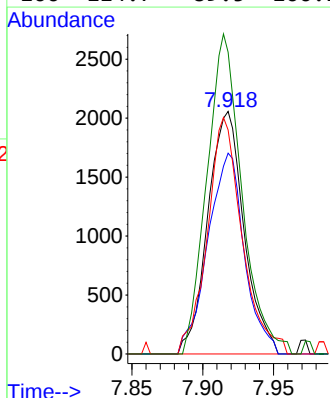
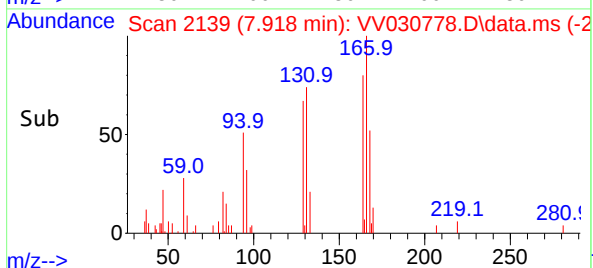


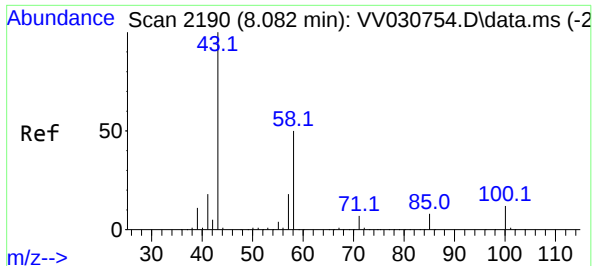
#46
Tetrachloroethene
Concen: 2.383 ug/L
RT: 7.918 min Scan# 2139
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



Tgt Ion:164 Resp: 3649

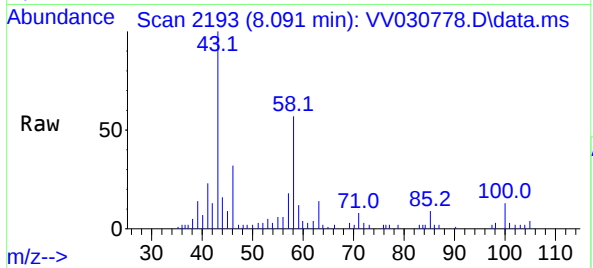
Ion	Ratio	Lower	Upper
164	100		
129	76.3	63.8	118.6
131	85.1	60.3	111.9
166	114.7	89.5	166.1





#48
2-Hexanone
Concen: 7.706 ug/L m
RT: 8.091 min Scan# 2190
Delta R.T. 0.009 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

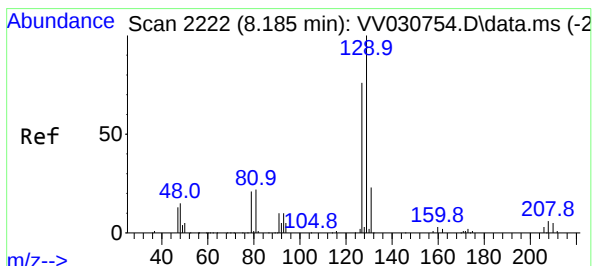
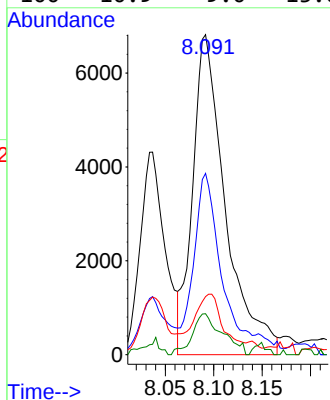
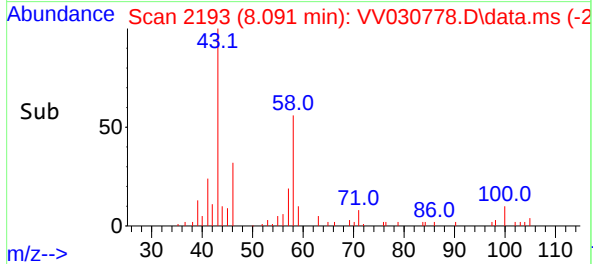
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 16079
Ion Ratio Lower Upper
43 100
58 36.5 41.4 62.0
57 12.0 14.9 22.3
100 10.9 9.0 13.6

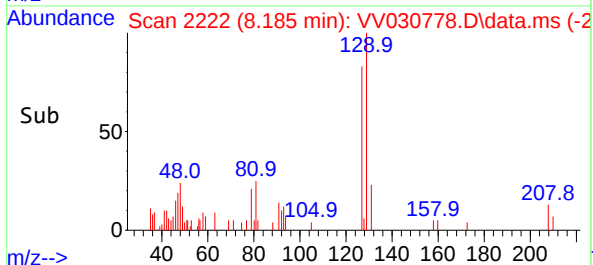
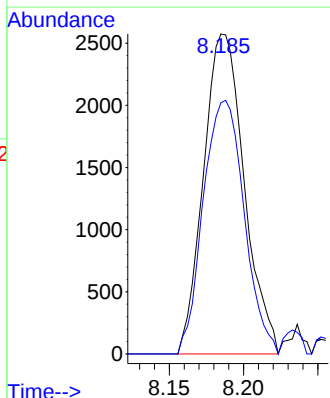
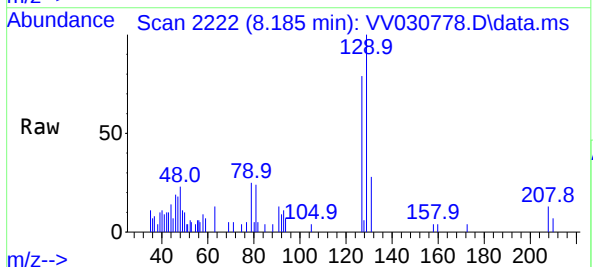
Manual Integrations
APPROVED

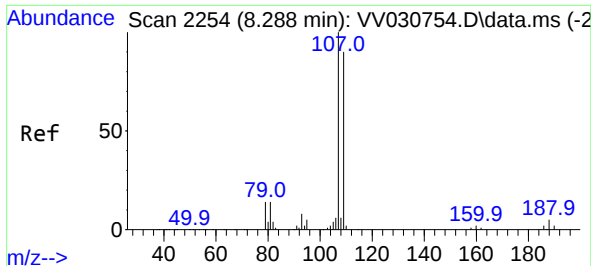
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#49
Dibromochloromethane
Concen: 2.453 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

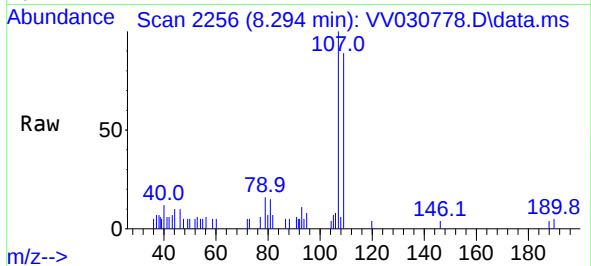
Tgt Ion:129 Resp: 4912
Ion Ratio Lower Upper
129 100
127 78.5 52.8 98.2





#50
1,2-Dibromoethane
Concen: 2.337 ug/L
RT: 8.294 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

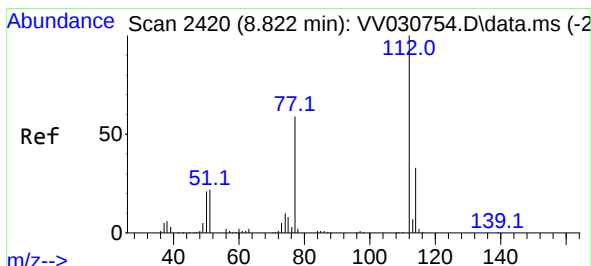
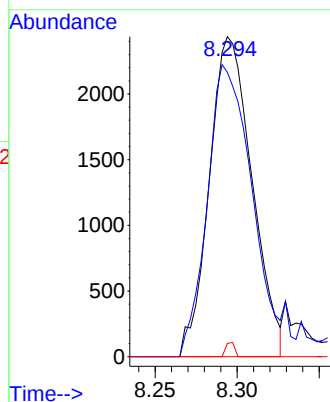
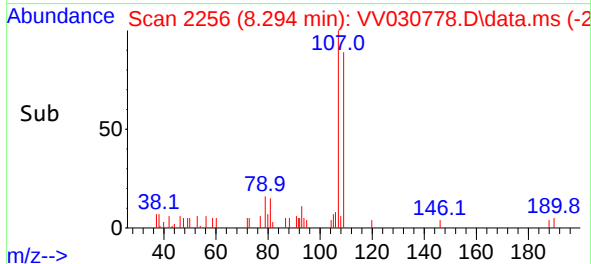
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:107 Resp: 4390
Ion Ratio Lower Upper
107 100
109 88.9 65.7 121.9
188 4.1 3.2 4.8

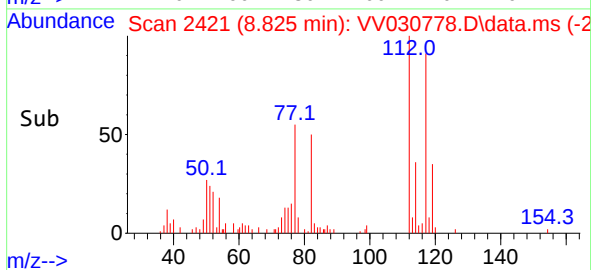
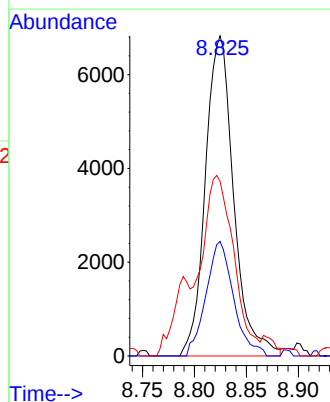
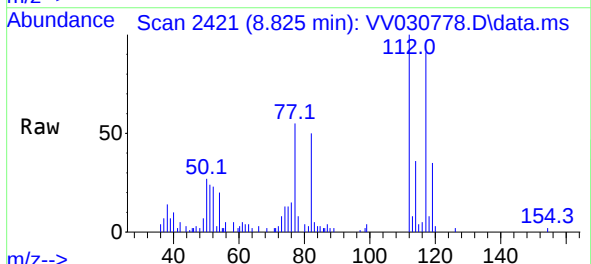
Manual Integrations
APPROVED

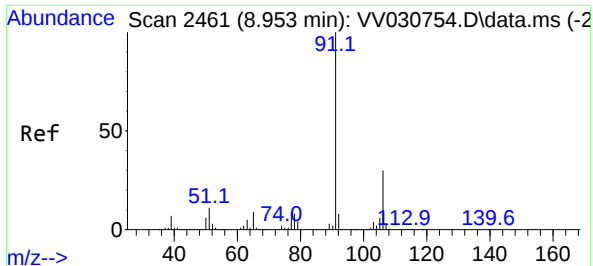
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#51
Chlorobenzene
Concen: 2.714 ug/L
RT: 8.825 min Scan# 2421
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:112 Resp: 12949
Ion Ratio Lower Upper
112 100
114 35.8 22.4 41.6
77 54.6 47.4 71.0





#52

Ethylbenzene

Concen: 2.176 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 1735

Ion Ratio Lower Upper

91 100

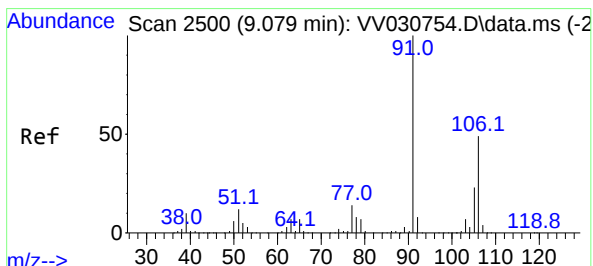
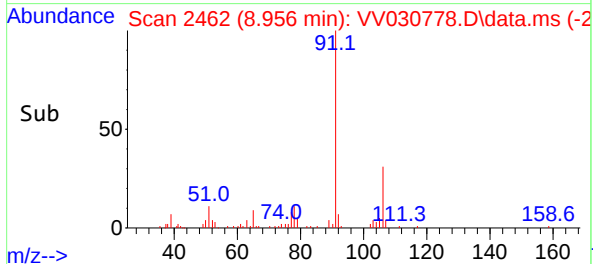
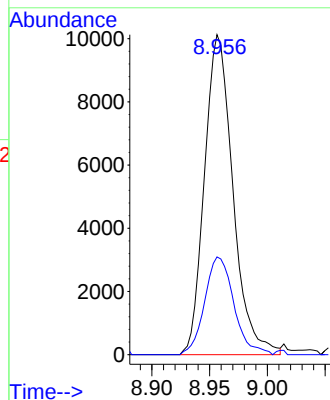
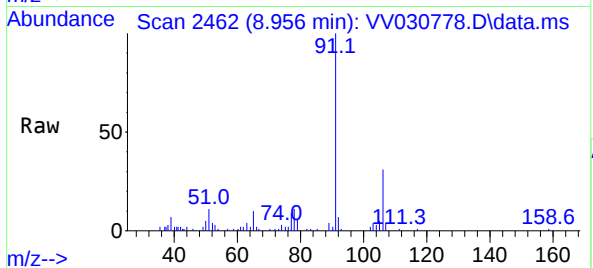
106 30.6 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#53

m,p-Xylene

Concen: 2.141 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.006 min

Lab File: VV030778.D

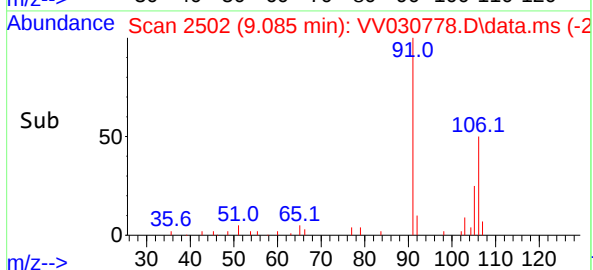
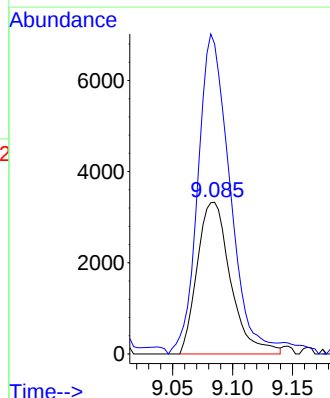
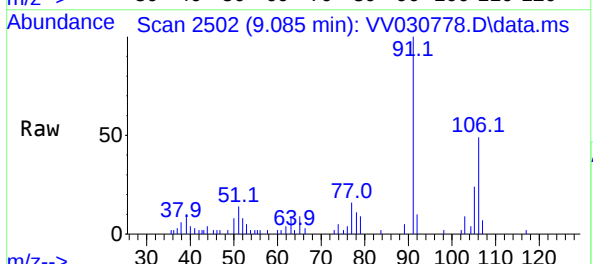
Acq: 21 Apr 2023 21:04

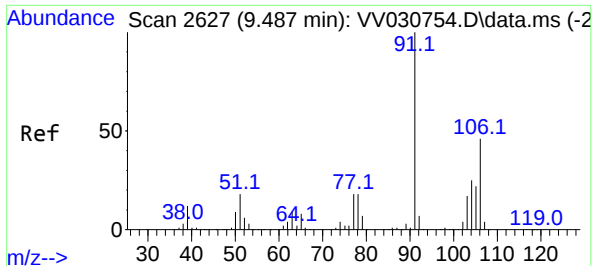
Tgt Ion:106 Resp: 6449

Ion Ratio Lower Upper

106 100

91 204.4 144.7 268.7





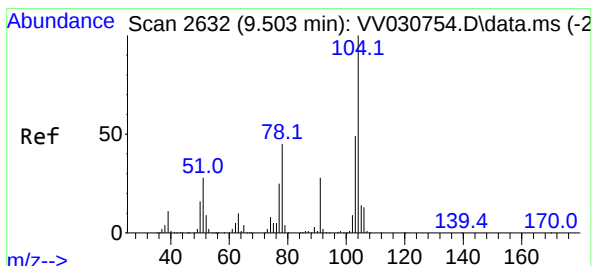
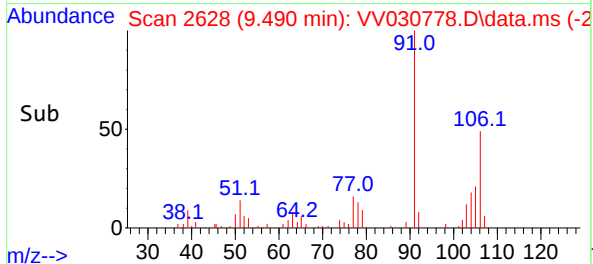
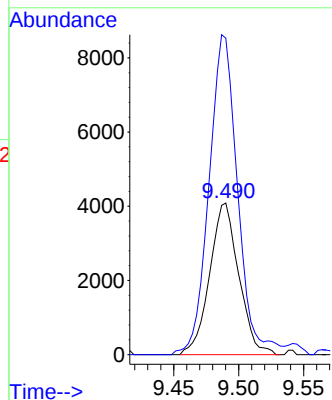
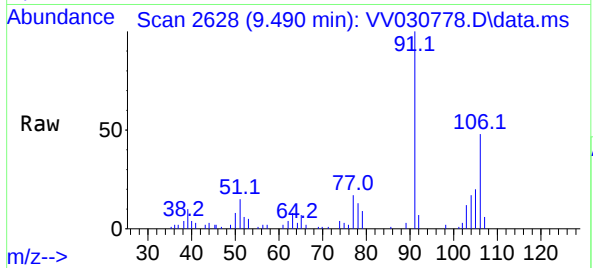
#54
o-Xylene
Concen: 2.162 ug/L
RT: 9.490 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion:106 Resp: 6370
Ion Ratio Lower Upper
106 100
91 208.8 152.6 283.4

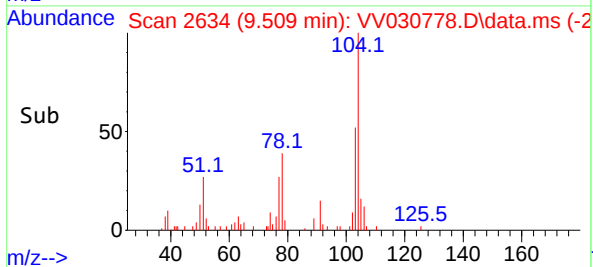
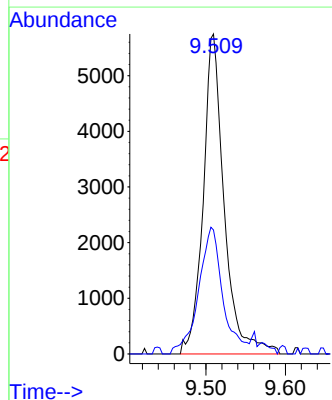
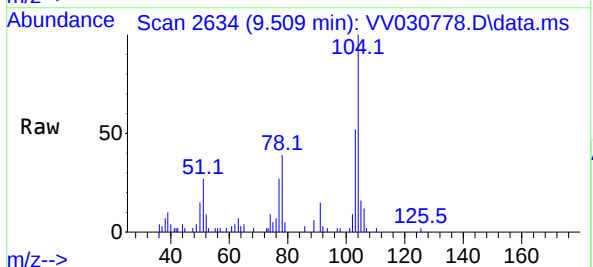
Manual Integrations
APPROVED

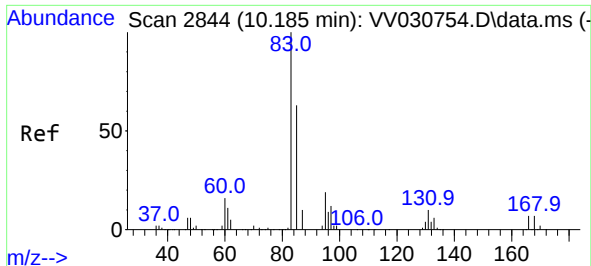
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#55
Styrene
Concen: 2.041 ug/L m
RT: 9.509 min Scan# 2634
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:104 Resp: 10565
Ion Ratio Lower Upper
104 100
78 38.7 32.3 59.9





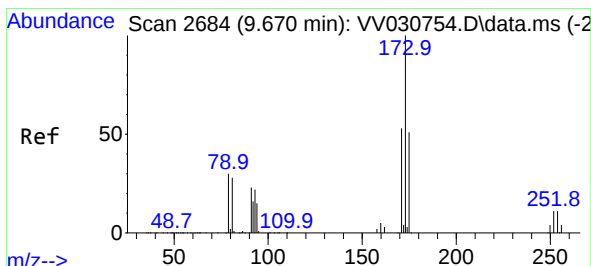
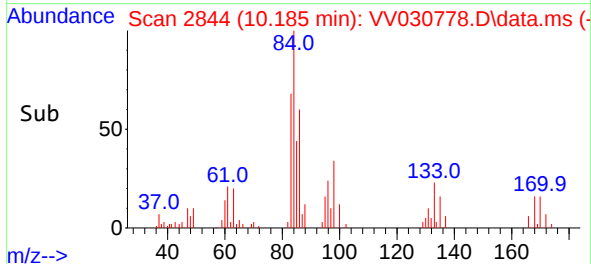
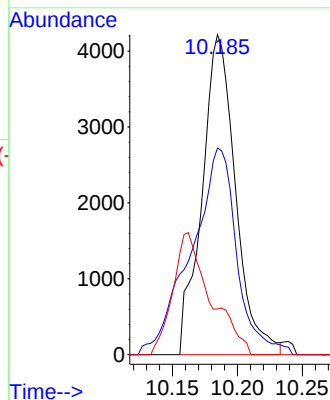
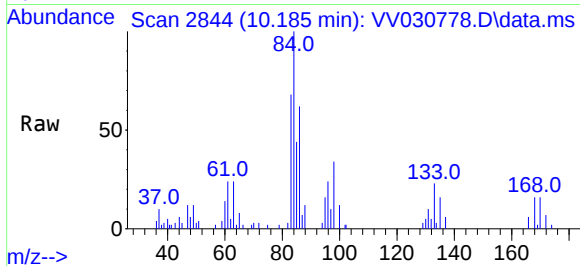
#57
1,1,2,2-Tetrachloroethane
Concen: 2.543 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 83	Resp: 7578
Ion Ratio	Lower Upper
83 100	
85 64.6	45.1 83.7
131 14.3	8.0 12.0

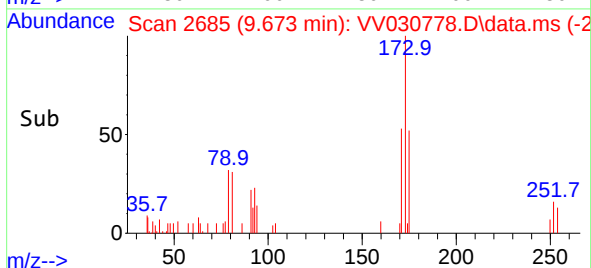
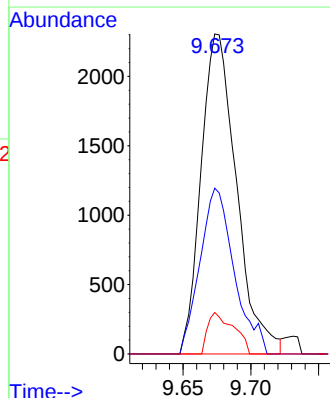
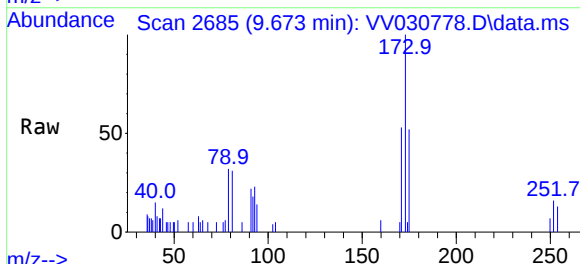
Manual Integrations
APPROVED

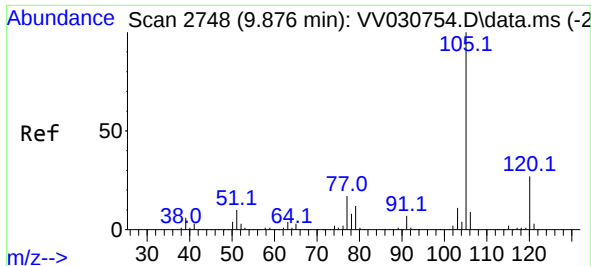
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#59
Bromoform
Concen: 2.975 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:173	Resp: 4191
Ion Ratio	Lower Upper
173 100	
175 48.5	38.8 58.2
254 9.5	8.2 12.4





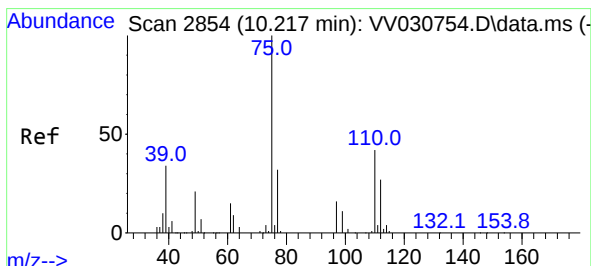
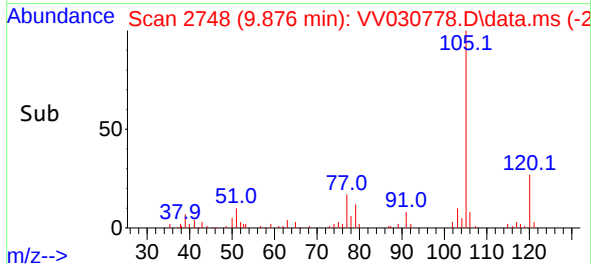
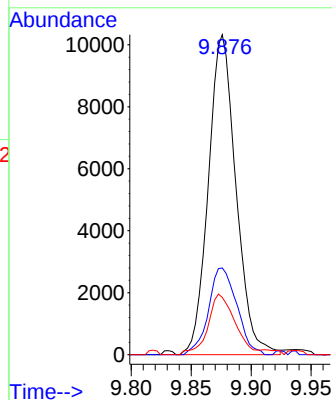
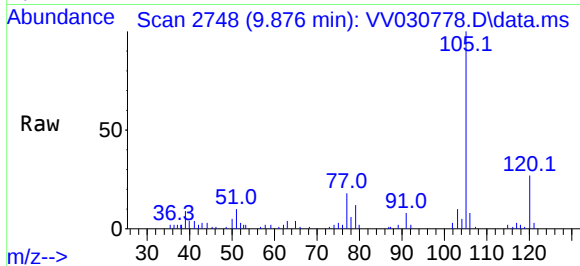
#60
Isopropylbenzene
Concen: 2.356 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 16534
Ion Ratio Lower Upper
105 100
120 27.8 20.9 31.3
77 18.3 13.0 19.6

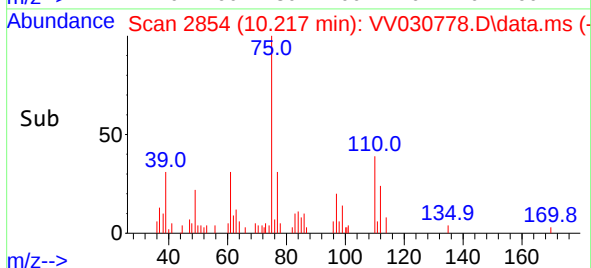
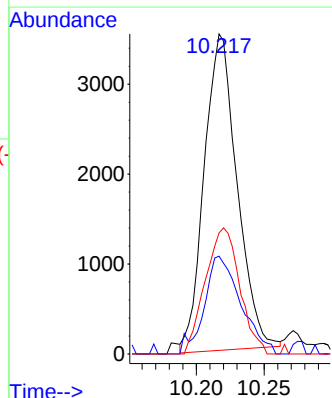
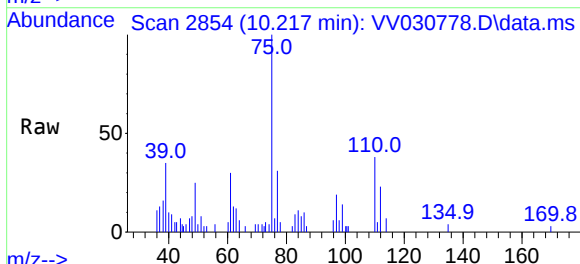
Manual Integrations
APPROVED

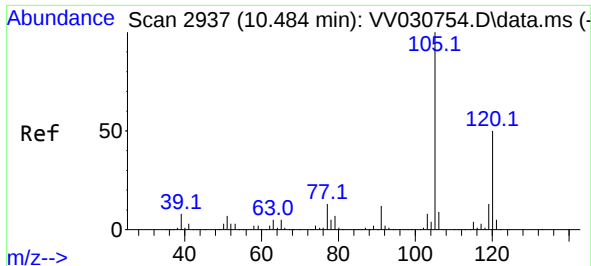
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#61
1,2,3-Trichloropropane
Concen: 2.940 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

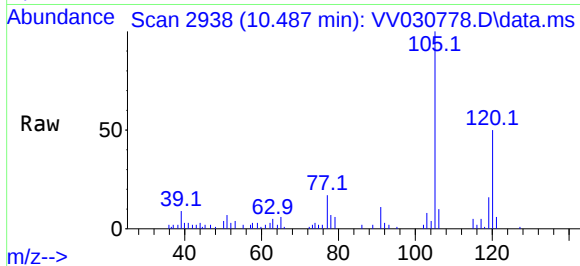
Tgt Ion: 75 Resp: 5926
Ion Ratio Lower Upper
75 100
77 33.1 25.7 38.5
110 41.7 32.8 49.2





#62
1,3,5-Trimethylbenzene
Concen: 2.322 ug/L
RT: 10.487 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

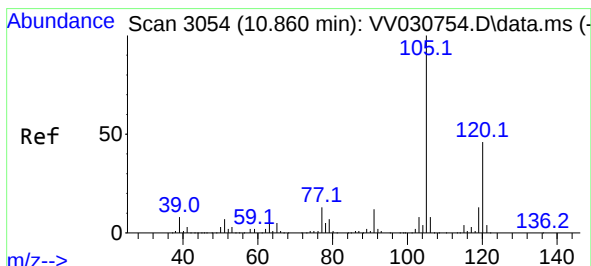
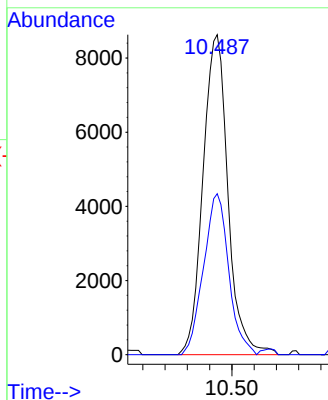
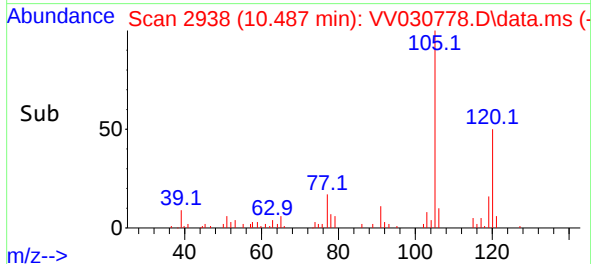
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



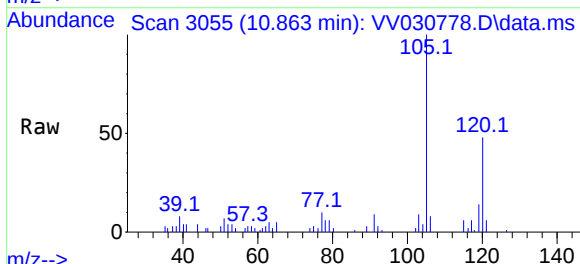
Tgt Ion:105 Resp: 1341
Ion Ratio Lower Upper
105 100
120 50.8 39.2 58.8

Manual Integrations
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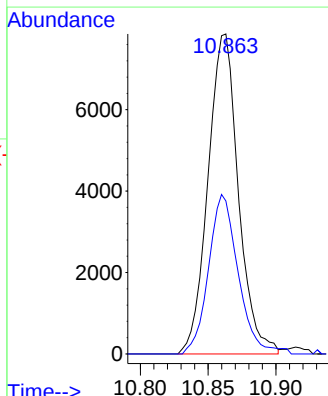
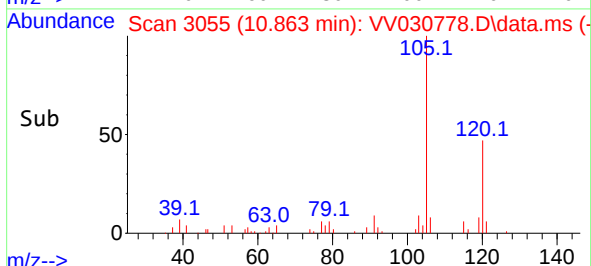
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

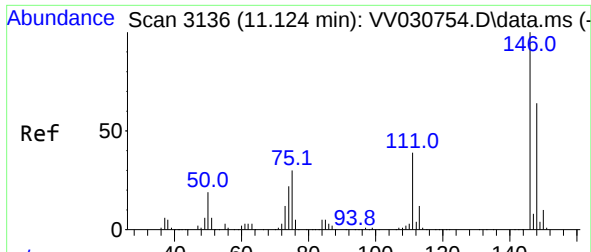


#63
1,2,4-Trimethylbenzene
Concen: 2.129 ug/L
RT: 10.863 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



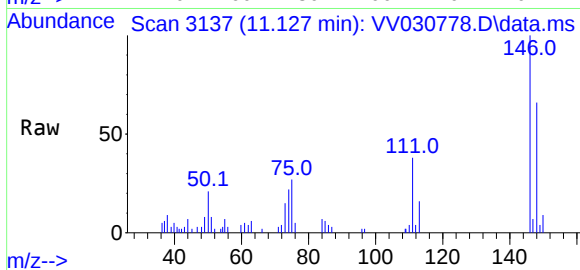
Tgt Ion:105 Resp: 12280
Ion Ratio Lower Upper
105 100
120 48.3 36.2 54.4





#64
1,3-Dichlorobenzene
Concen: 2.491 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

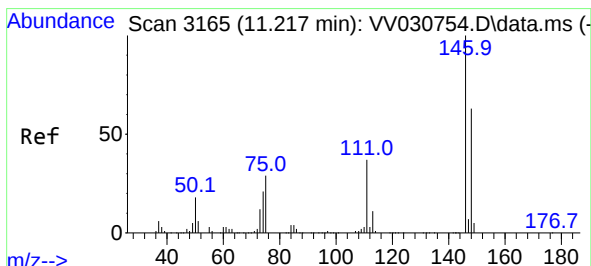
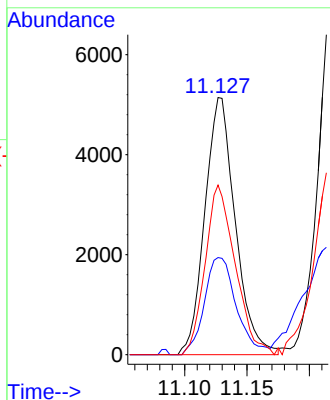
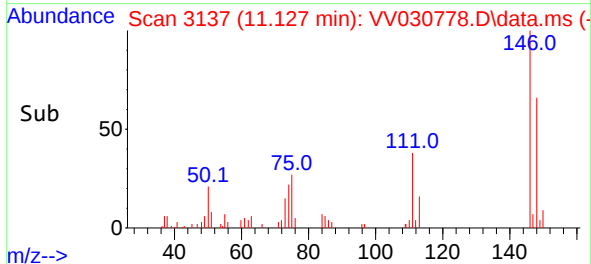
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



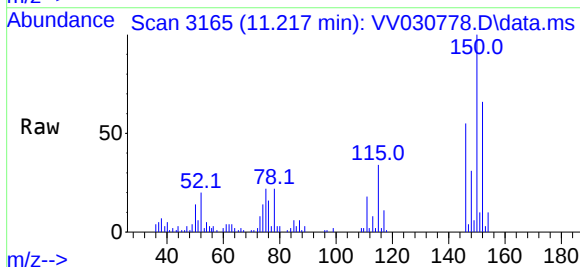
Tgt Ion:146 Resp: 8752
Ion Ratio Lower Upper
146 100
111 37.8 27.0 50.2
148 66.0 44.8 83.2

Manual Integrations
APPROVED

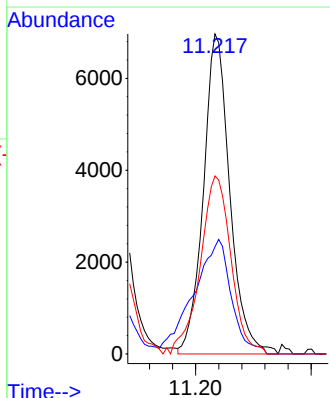
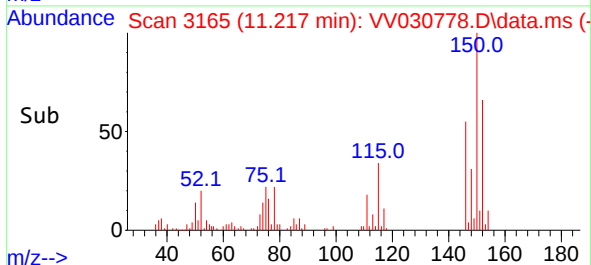
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

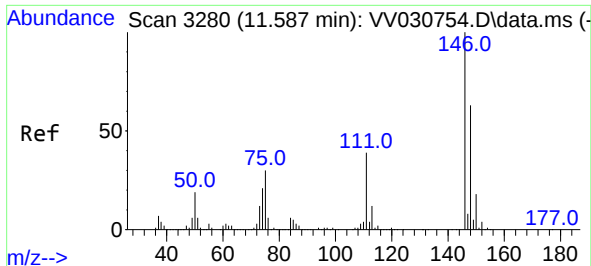


#65
1,4-Dichlorobenzene
Concen: 2.995 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04



Tgt Ion:146 Resp: 11096
Ion Ratio Lower Upper
146 100
111 33.5 26.5 49.1
148 55.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 3.133 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

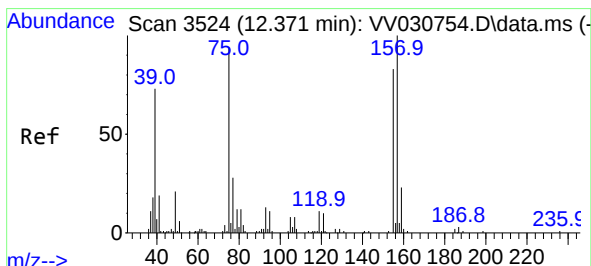
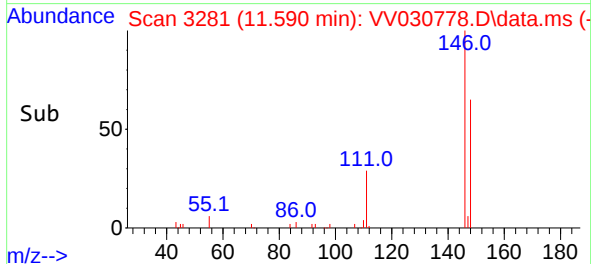
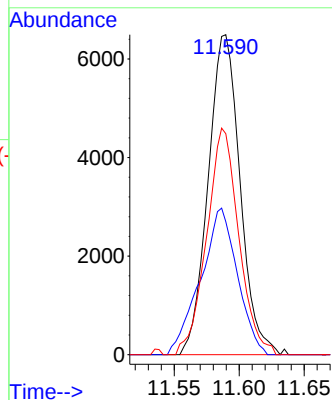
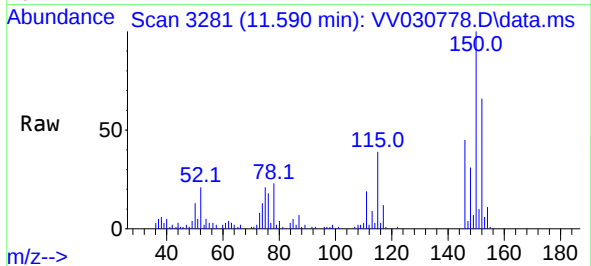
Tgt Ion:146	Resp:	11100
Ion Ratio	Lower	Upper
146	100	
111	41.6	32.0 48.0
148	69.1	50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 2.986 ug/L

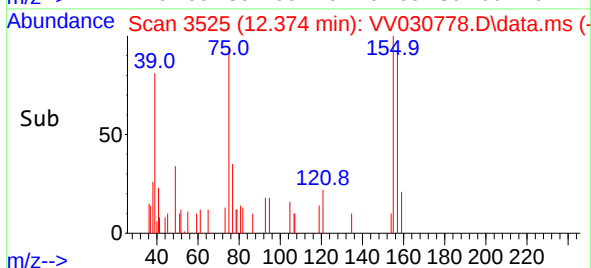
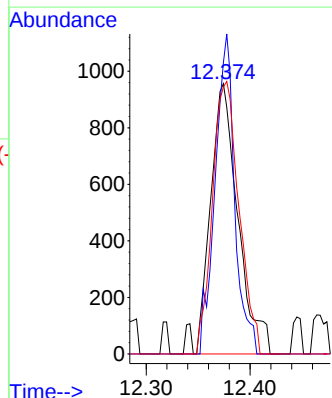
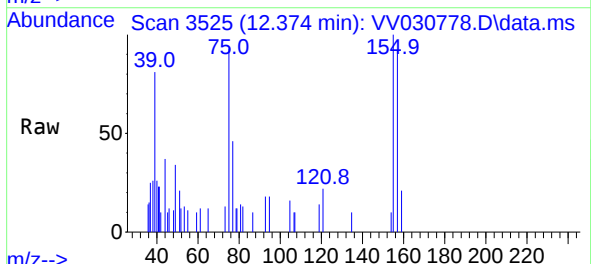
RT: 12.374 min Scan# 3525

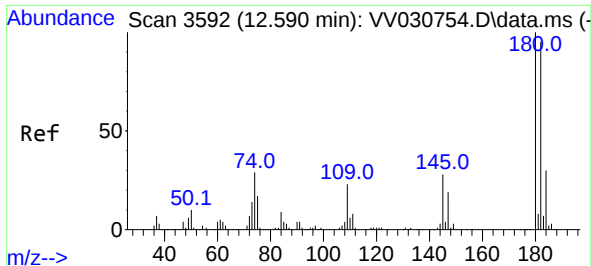
Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Tgt Ion: 75	Resp:	1783
Ion Ratio	Lower	Upper
75	100	
155	107.7	65.0 97.6
157	98.7	84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 2.199 ug/L m

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030778.D

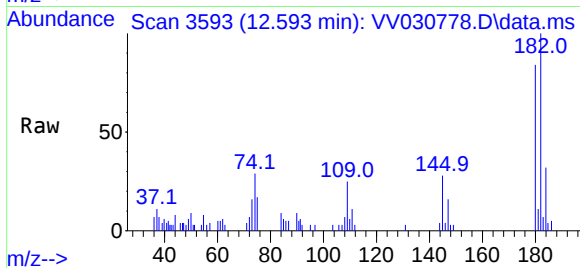
Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04



Tgt Ion:180 Resp: 583

Ion Ratio Lower Upper

180 100

182 81.5 76.4 114.6

184 27.7 24.1 36.1

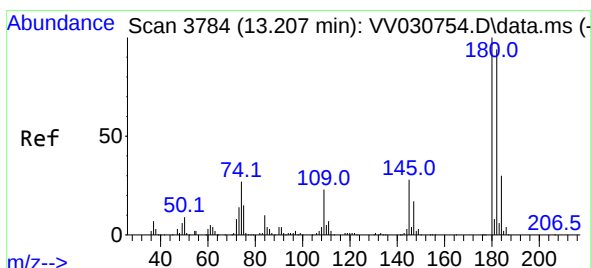
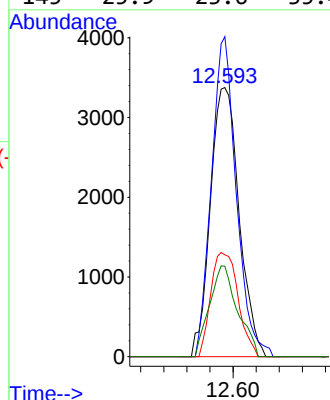
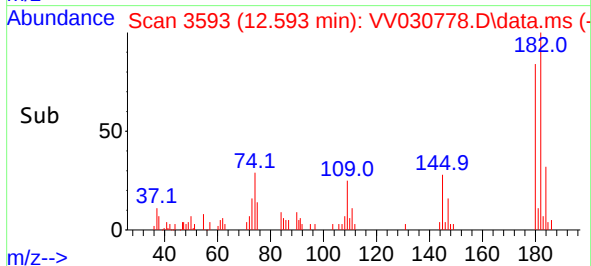
145 25.9 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#70

1,2,4-trichlorobenzene

Concen: 2.269 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

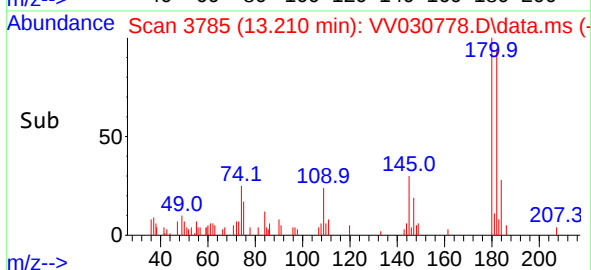
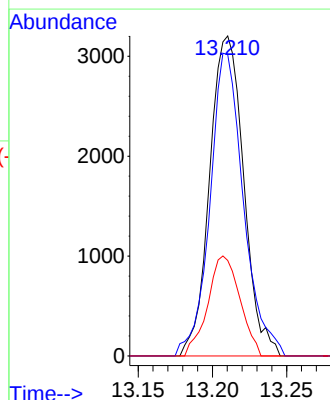
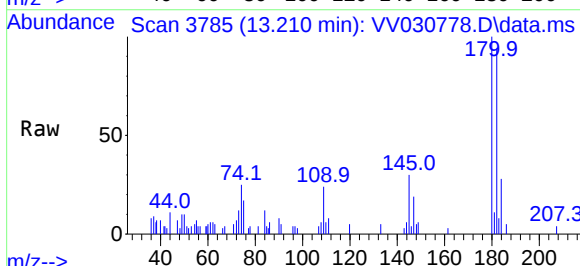
Tgt Ion:180 Resp: 5112

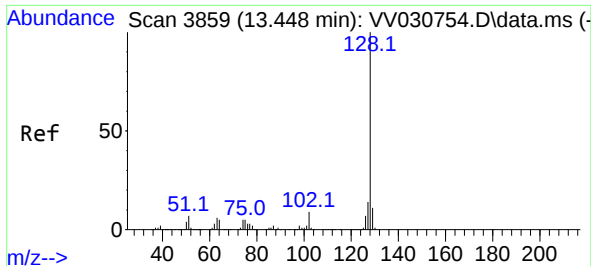
Ion Ratio Lower Upper

180 100

182 93.0 75.9 113.9

145 29.5 23.4 35.2





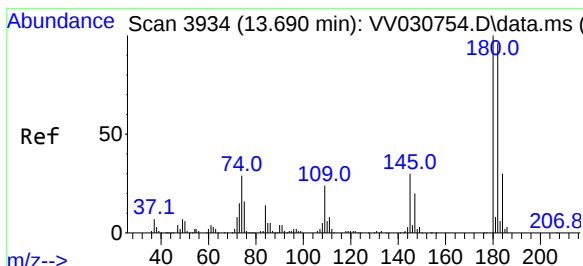
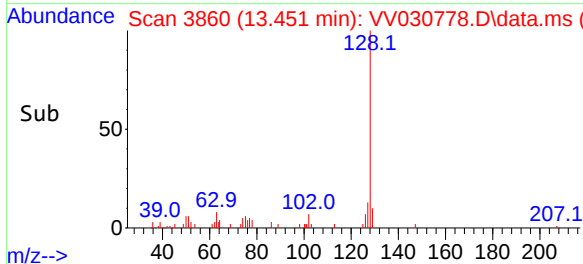
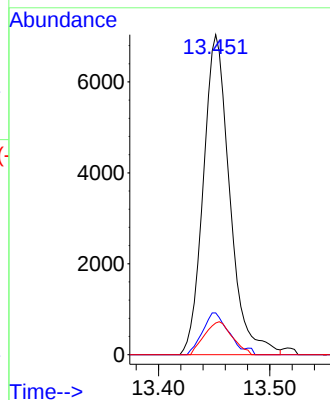
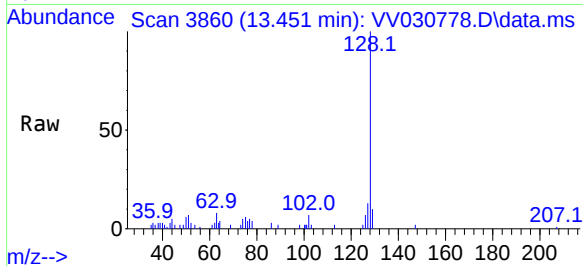
#71
Naphthalene
Concen: 1.884 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:128 Resp: 1161
Ion Ratio Lower Upper
128 100
127 12.5 10.7 16.1
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.229 ug/L
RT: 13.693 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:180 Resp: 4981
Ion Ratio Lower Upper
180 100
182 100.8 76.2 114.4
145 30.6 25.1 37.7

