

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080524\
 Data File : VV036778.D
 Acq On : 05 Aug 2024 11:56
 Operator : SY/MD
 Sample : P3391-05 2.5 MDL
 Misc : 5.00G/5 mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05DL

Quant Time: Aug 06 05:15:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 02:51:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
 Supervised By :Semsettin Yesilyurt 08/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	479032	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	451217	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	220881	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	184913	48.329	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.660%		
7) Chloroethane-d5	1.532	69	151647	50.260	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.520%		
11) 1,1-Dichloroethene-d2	2.060	65	81456	49.771	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.540%		
21) 2-Butanone-d5	3.793	46	185113	91.315	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.320%		
24) Chloroform-d	4.243	84	346340	50.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.880%		
26) 1,2-Dichloroethane-d4	4.937	65	226840	51.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.760%		
32) Benzene-d6	4.953	84	716349	52.563	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.120%		
36) 1,2-Dichloropropane-d6	5.986	67	231423	52.635	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.280%		
41) Toluene-d8	7.240	98	648720	51.891	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.780%		
43) trans-1,3-Dichloroprop...	7.551	79	112672	49.241	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.480%		
47) 2-Hexanone-d5	8.024	63	105113	83.147	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.150%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	232880	46.130	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.260%		
66) 1,2-Dichlorobenzene-d4	11.555	152	233584	51.896	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8016	2.099	ug/L	99
3) Chloromethane	1.217	50	8656	2.165	ug/L	94
5) Vinyl chloride	1.282	62	9288	2.263	ug/L #	69
6) Bromomethane	1.487	94	5790	2.240	ug/L	94
8) Chloroethane	1.548	64	5646	2.220	ug/L	98
9) Trichlorofluoromethane	1.712	101	10799	2.008	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8360	2.639	ug/L #	85
12) 1,1-Dichloroethene	2.069	96	7712	2.549	ug/L #	1
13) Acetone	2.118	43	6182	3.645	ug/L	97
14) Carbon disulfide	2.240	76	20725	2.180	ug/L	96
15) Methyl Acetate	2.375	43	9448m	2.704	ug/L	
17) trans-1,2-Dichloroethene	2.690	96	6363	2.030	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	21132	1.914	ug/L	97
19) 1,1-Dichloroethane	3.108	63	12597	1.989	ug/L	96
20) cis-1,2-Dichloroethene	3.809	96	7680	2.088	ug/L	99
22) 2-Butanone	3.902	43	9240m	4.067	ug/L	
23) Bromochloromethane	4.153	128	3487	1.951	ug/L	86
27) 1,2-Dichloroethane	5.053	62	9228	1.799	ug/L	96
29) Cyclohexane	4.571	56	11517	2.003	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.510	97	10892	1.916	ug/L #	85
31) Carbon tetrachloride	4.735	117	9114	1.909	ug/L	96
33) Benzene	5.008	78	24858	1.842	ug/L	100
34) Trichloroethene	5.834	95	8192	2.094	ug/L	95
35) Methylcyclohexane	6.047	83	12423	2.070	ug/L	93
37) 1,2-Dichloropropane	6.101	63	6944	1.942	ug/L #	94
38) Bromodichloromethane	6.442	83	9059	1.840	ug/L	98
39) cis-1,3-Dichloropropene	6.969	75	11789m	1.925	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	12142	2.742	ug/L	99
42) Toluene	7.320	91	28018	1.949	ug/L	96
44) trans-1,3-Dichloropropene	7.587	75	9171	1.607	ug/L	93
45) 1,1,2-Trichloroethane	7.773	97	6159	1.779	ug/L	95
46) Tetrachloroethene	7.905	164	5349	2.085	ug/L	90
48) 2-Hexanone	8.085	43	24978	7.666	ug/L #	84
49) Dibromochloromethane	8.175	129	6662	1.872	ug/L	92
50) 1,2-Dibromoethane	8.288	107	6667	1.856	ug/L #	92
51) Chlorobenzene	8.812	112	18389	1.994	ug/L	91
52) Ethylbenzene	8.947	91	31610	1.926	ug/L	99
53) m,p-Xylene	9.075	106	11432	1.863	ug/L	96
54) o-Xylene	9.481	106	11931	1.988	ug/L	93
55) Styrene	9.503	104	17384	1.690	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	9426	2.018	ug/L #	92
59) Bromoform	9.664	173	4267	1.746	ug/L #	92
60) Isopropylbenzene	9.866	105	30549	1.900	ug/L	98
61) 1,2,3-Trichloropropane	10.207	75	7161	1.801	ug/L	94
62) 1,3,5-Trimethylbenzene	10.474	105	24533	1.832	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	24774	1.849	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	14150	2.046	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	15461	2.199	ug/L	94
67) 1,2-Dichlorobenzene	11.574	146	14267	2.112	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	1865	1.623	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.580	180	9666	1.970	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	9664	2.053	ug/L	99
71) Naphthalene	13.442	128	29053	1.925	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	8578	1.862	ug/L	97

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

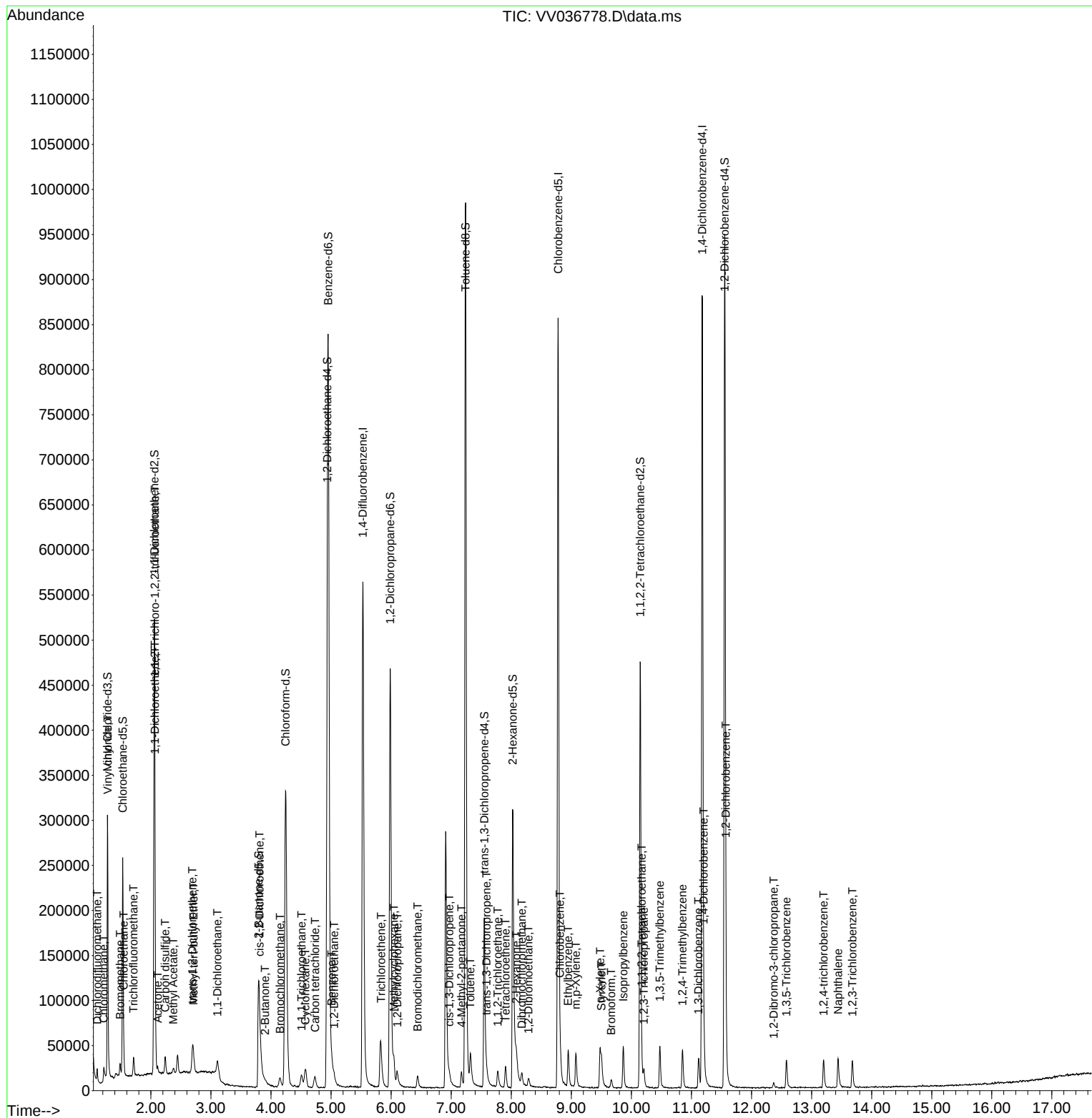
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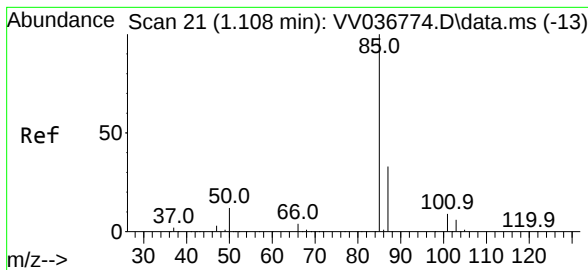
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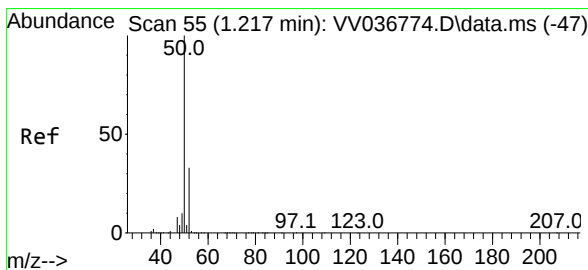
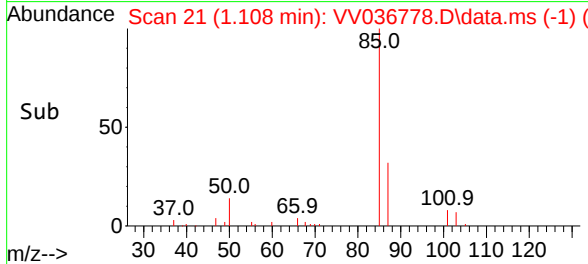
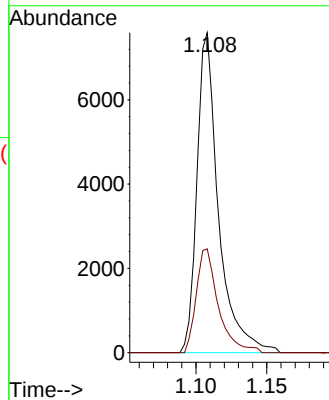
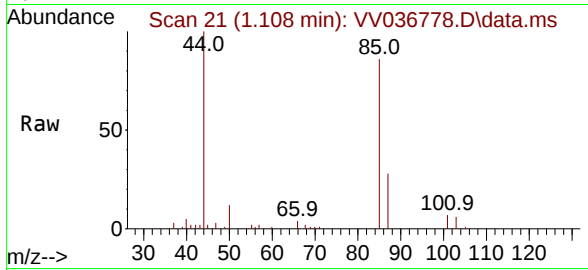
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 Dichlorodifluoromethane
 Concen: 2.099 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV036778.D
 Acq: 05 Aug 2024 11:56

Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion: 85 Resp: 8010
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.9 38.9

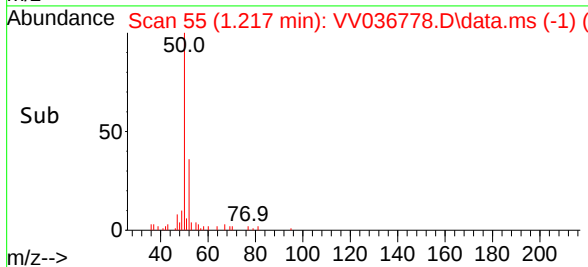
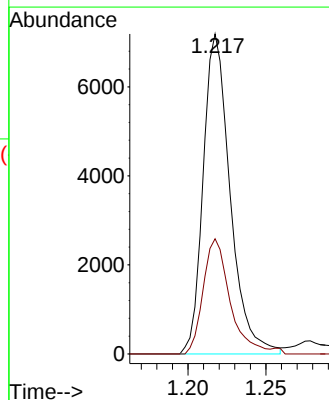
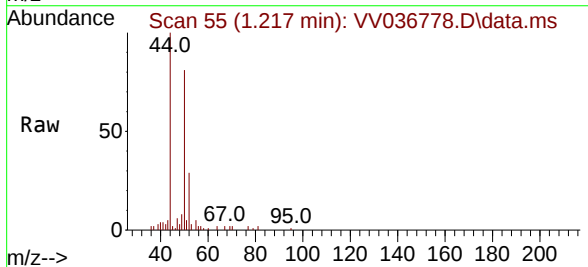
Manual Integrations
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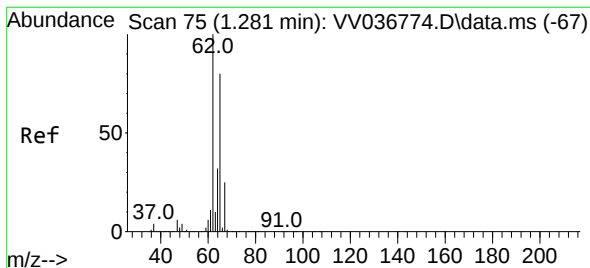
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#3
 Chloromethane
 Concen: 2.165 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV036778.D
 Acq: 05 Aug 2024 11:56

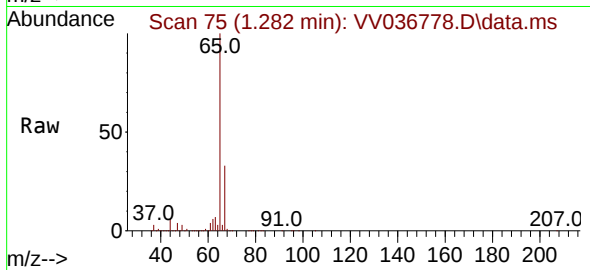
Tgt Ion: 50 Resp: 8656
 Ion Ratio Lower Upper
 50 100
 52 36.0 23.0 42.8





#5
 Vinyl chloride
 Concen: 2.263 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV036778.D
 Acq: 05 Aug 2024 11:56

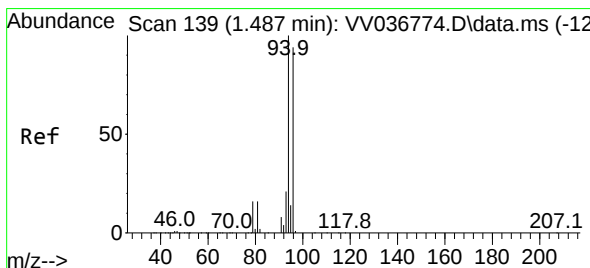
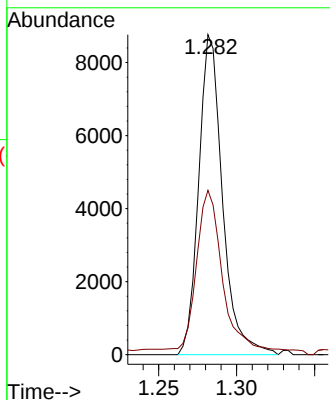
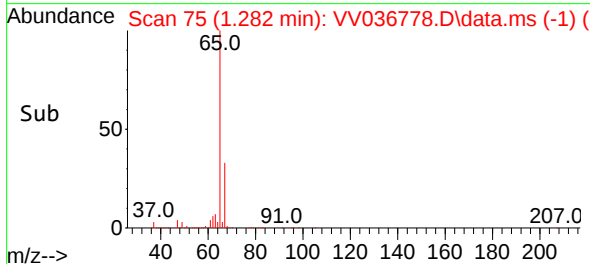
Instrument :
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 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05DL



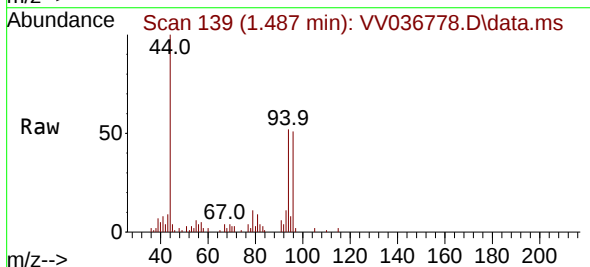
Tgt Ion: 62 Resp: 928
 Ion Ratio Lower Upper
 62 100
 64 51.4 23.6 43.8

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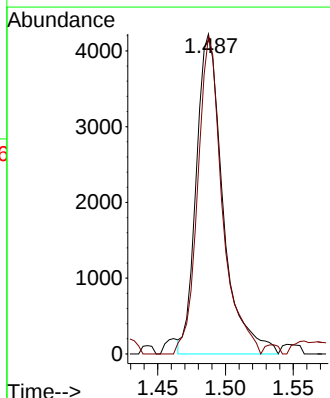
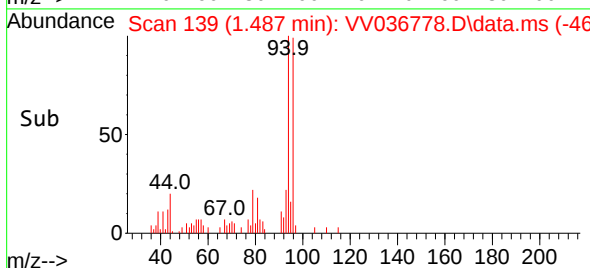
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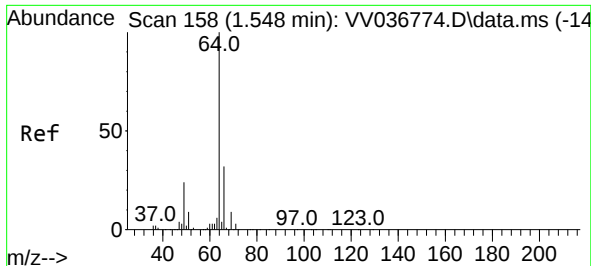


#6
 Bromomethane
 Concen: 2.240 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV036778.D
 Acq: 05 Aug 2024 11:56



Tgt Ion: 94 Resp: 5790
 Ion Ratio Lower Upper
 94 100
 96 99.2 65.5 121.7





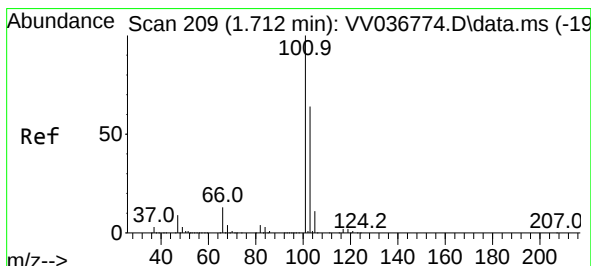
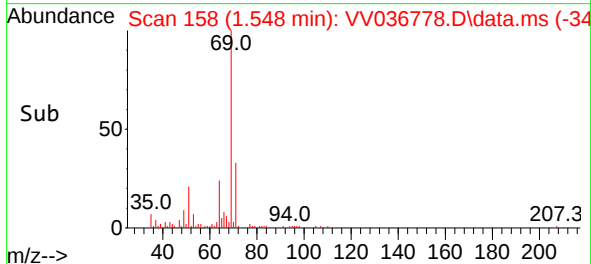
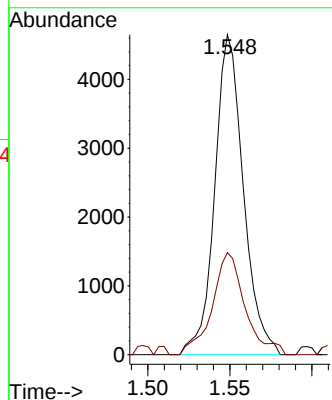
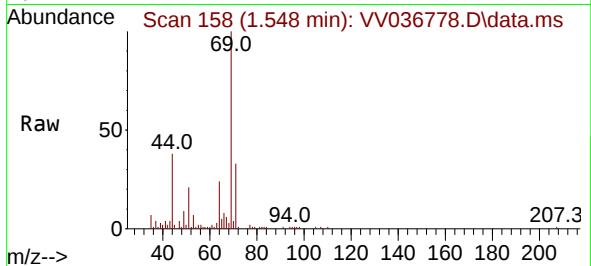
#8
Chloroethane
Concen: 2.220 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

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Tgt Ion: 64 Resp: 5640
Ion Ratio Lower Upper
64 100
66 31.9 23.2 43.0

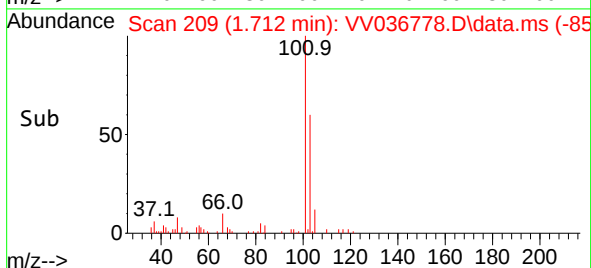
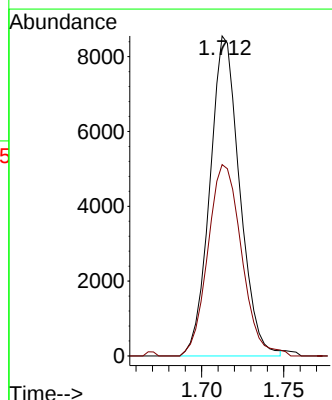
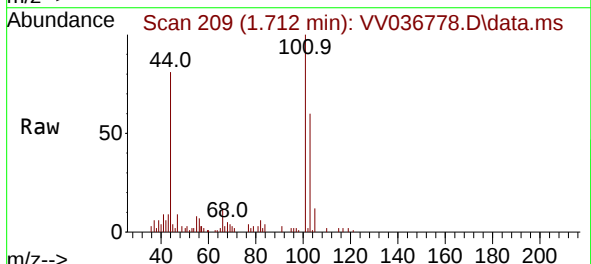
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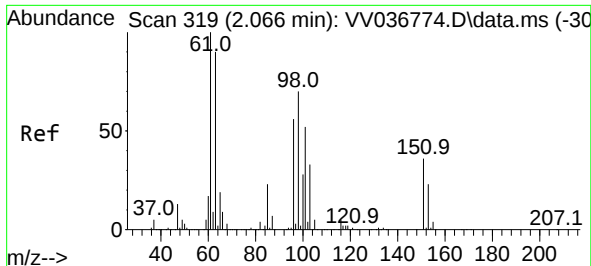
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#9
Trichlorofluoromethane
Concen: 2.008 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Tgt Ion:101 Resp: 10799
Ion Ratio Lower Upper
101 100
103 67.6 51.4 77.0





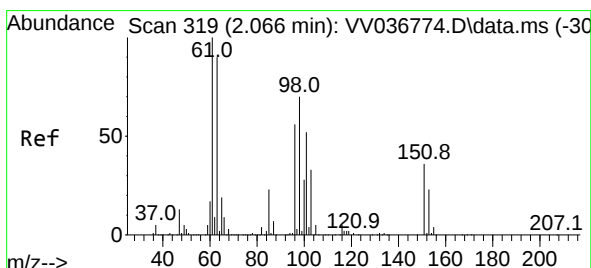
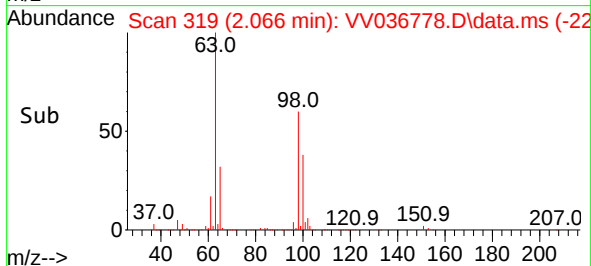
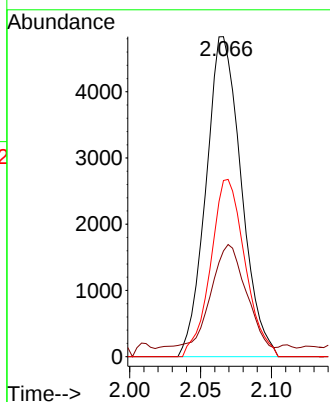
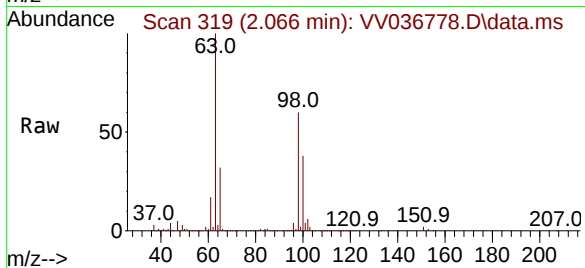
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.639 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV036778.D
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Tgt Ion: 101 Resp: 8360
Ion Ratio Lower Upper
101 100
85 37.8 34.6 51.8
151 54.1 55.9 83.9

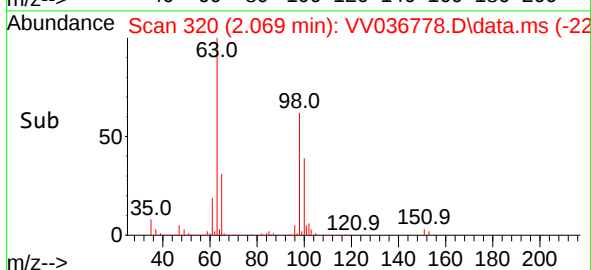
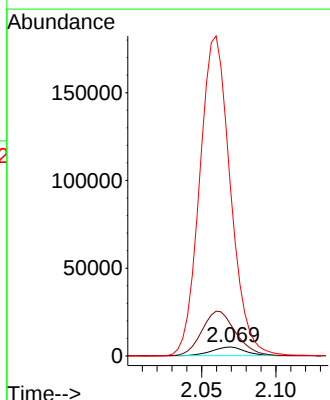
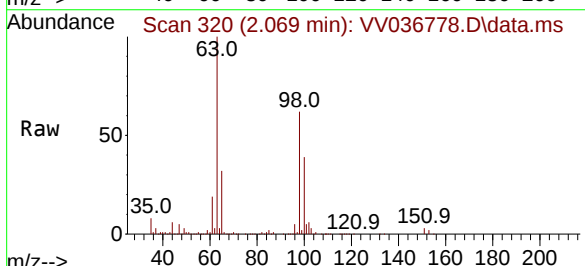
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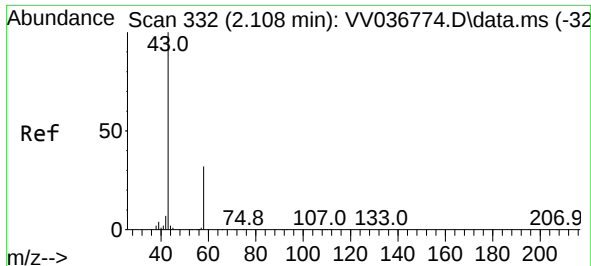
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#12
1,1-Dichloroethene
Concen: 2.549 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.003 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

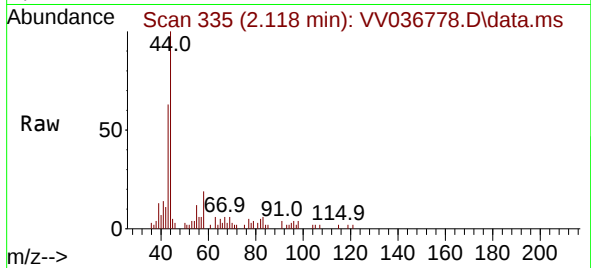
Tgt Ion: 96 Resp: 7712
Ion Ratio Lower Upper
96 100
61 353.2 125.6 233.2#
63 1879.1 95.1 176.7#





#13
Acetone
Concen: 3.645 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.010 min
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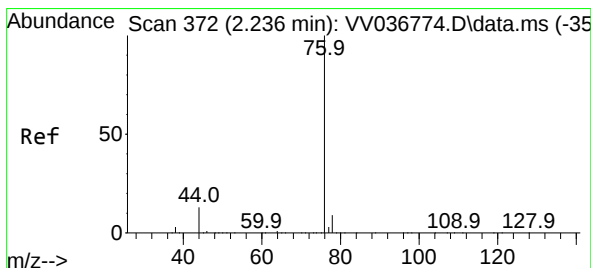
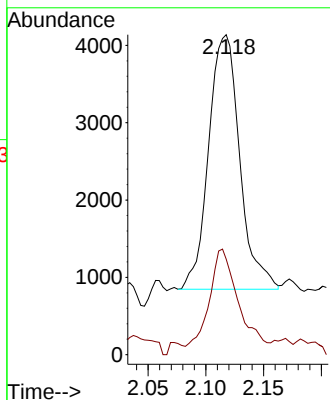
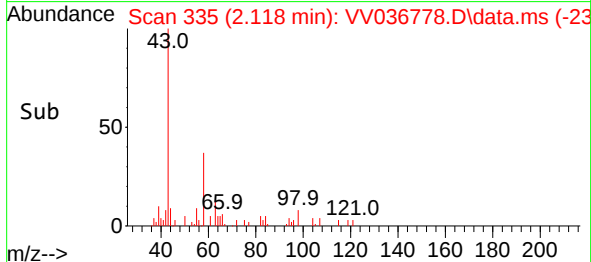
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Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 33.6 0.0 63.4

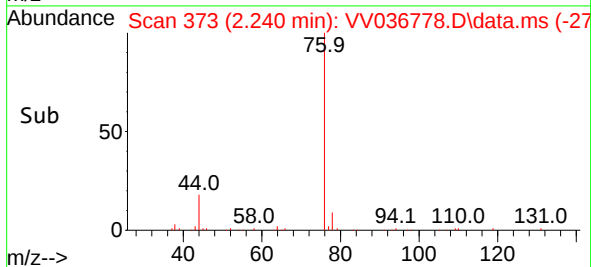
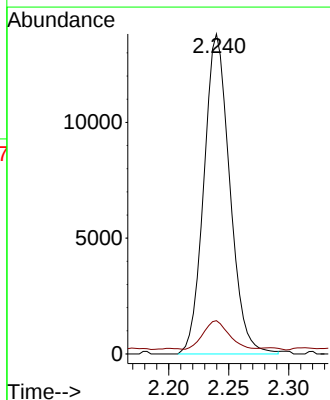
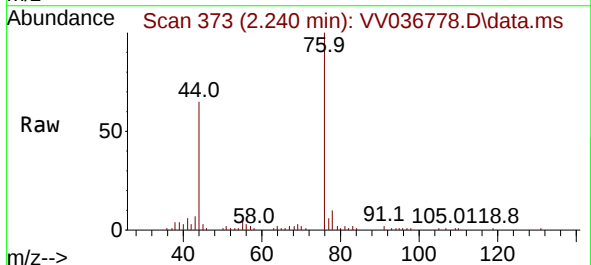
Manual Integrations
APPROVED

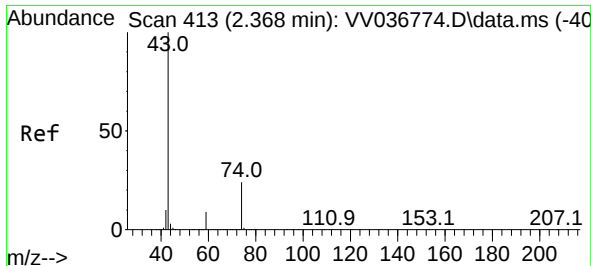
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#14
Carbon disulfide
Concen: 2.180 ug/L
RT: 2.240 min Scan# 373
Delta R.T. 0.003 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

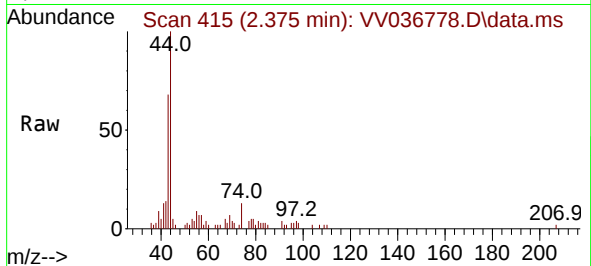
Tgt Ion: 76 Resp: 20725
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7





#15
Methyl Acetate
Concen: 2.704 ug/L m
RT: 2.375 min Scan# 413
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

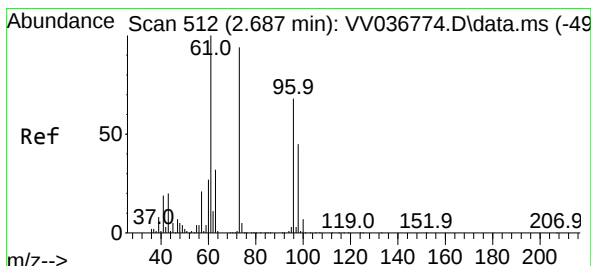
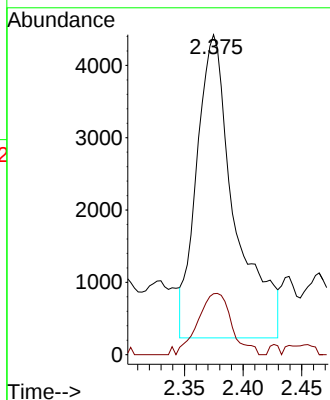
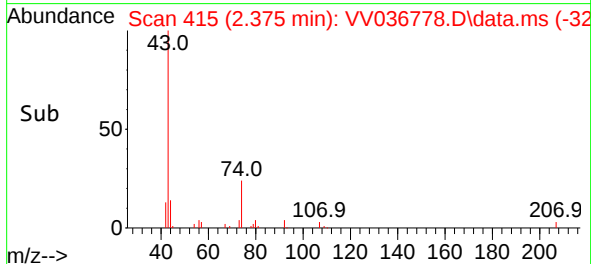
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
74 0.5 19.0 28.4

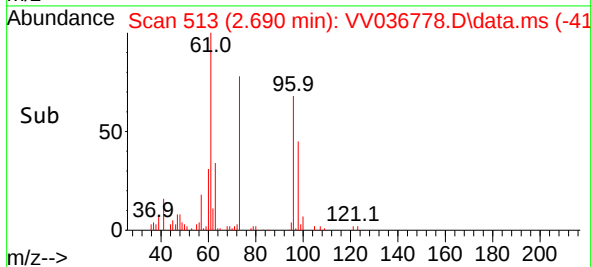
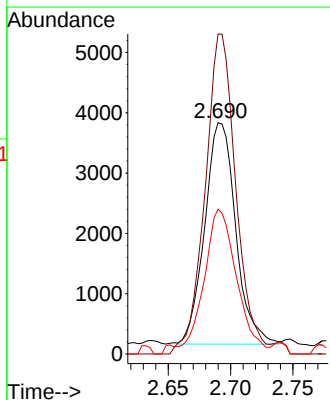
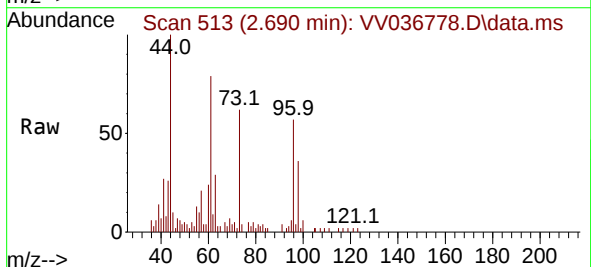
Manual Integrations
APPROVED

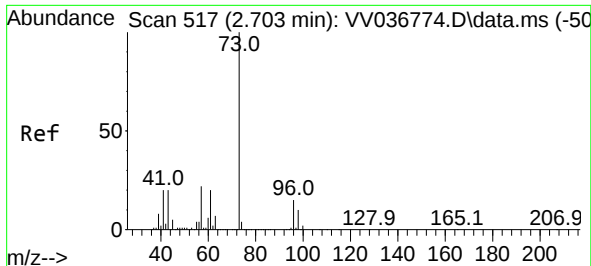
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#17
trans-1,2-Dichloroethene
Concen: 2.030 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

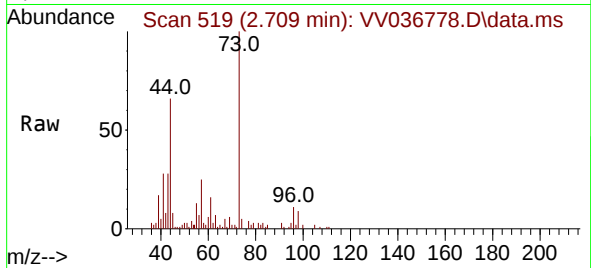
Tgt Ion: 96 Resp: 6363
Ion Ratio Lower Upper
96 100
61 138.4 100.0 185.8
98 62.7 44.0 81.8





#18
Methyl tert-butyl Ether
Concen: 1.914 ug/L
RT: 2.709 min Scan# 517
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

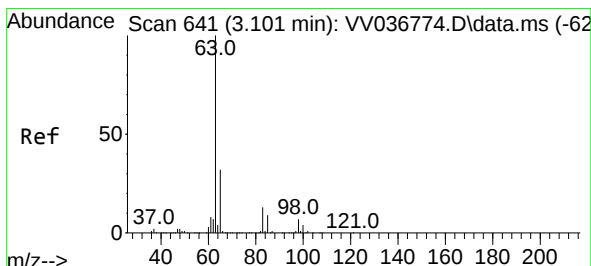
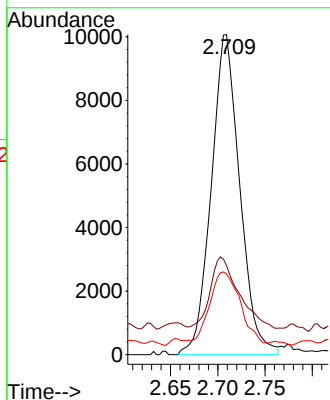
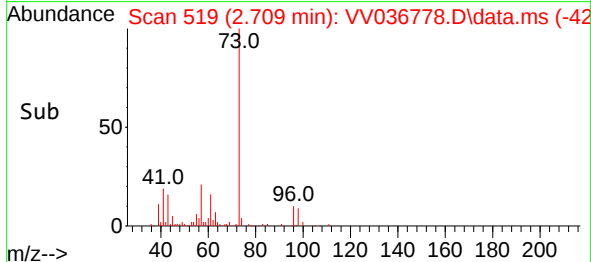
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 73 Resp: 2113
Ion Ratio Lower Upper
73 100
43 22.2 16.1 24.1
57 23.2 17.9 26.9

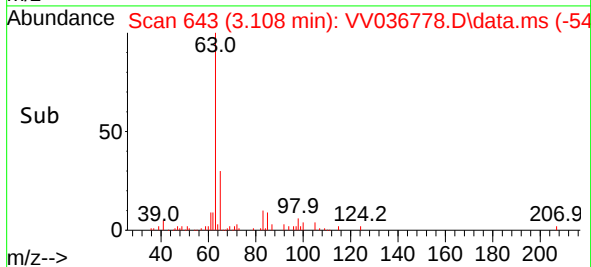
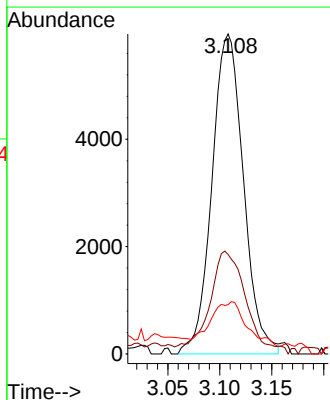
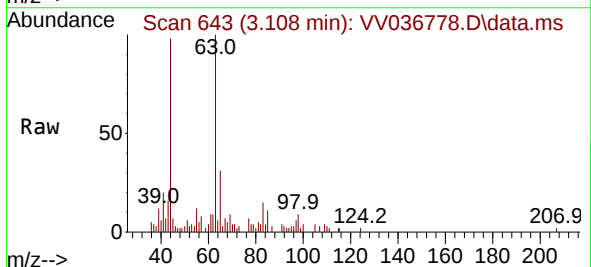
Manual Integrations
APPROVED

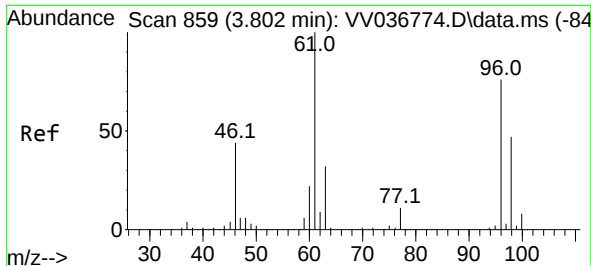
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#19
1,1-Dichloroethane
Concen: 1.989 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

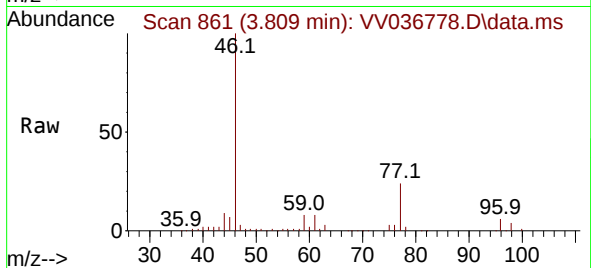
Tgt Ion: 63 Resp: 12597
Ion Ratio Lower Upper
63 100
65 31.1 23.2 43.0
83 15.4 9.2 17.0





#20
cis-1,2-Dichloroethene
Concen: 2.088 ug/L
RT: 3.809 min Scan# 80
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

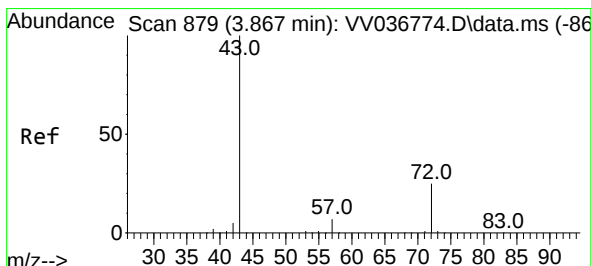
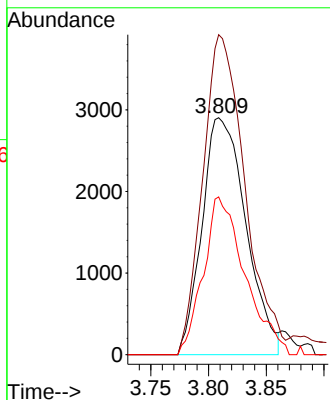
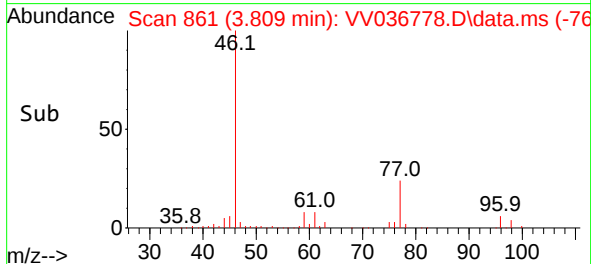
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 96 Resp: 7680
Ion Ratio Lower Upper
96 100
61 135.0 93.9 174.5
98 66.6 46.0 85.4

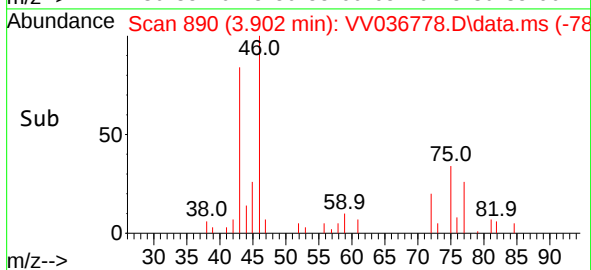
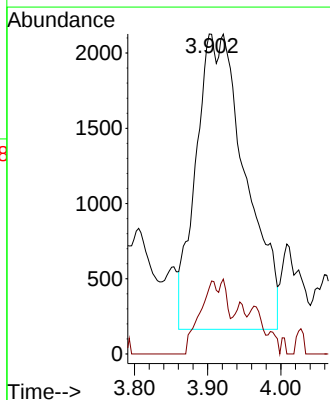
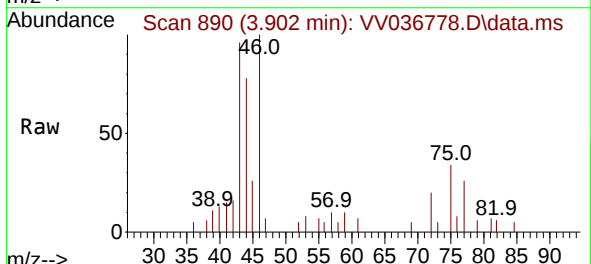
Manual Integrations
APPROVED

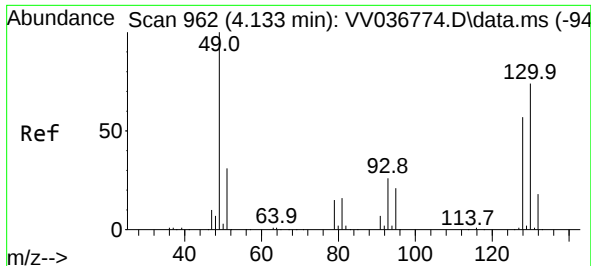
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#22
2-Butanone
Concen: 4.067 ug/L m
RT: 3.902 min Scan# 890
Delta R.T. 0.036 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

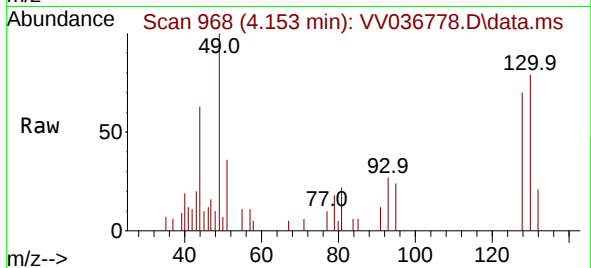
Tgt Ion: 43 Resp: 9240
Ion Ratio Lower Upper
43 100
72 9.3 12.5 37.5#





#23
Bromochloromethane
Concen: 1.951 ug/L
RT: 4.153 min Scan# 962
Delta R.T. 0.019 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

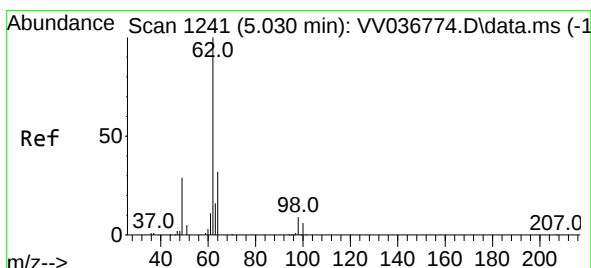
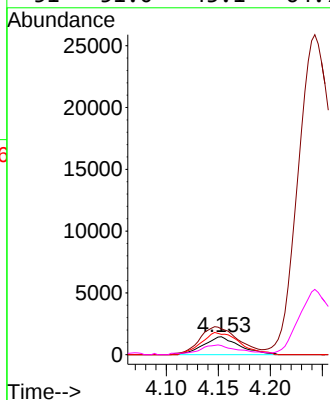
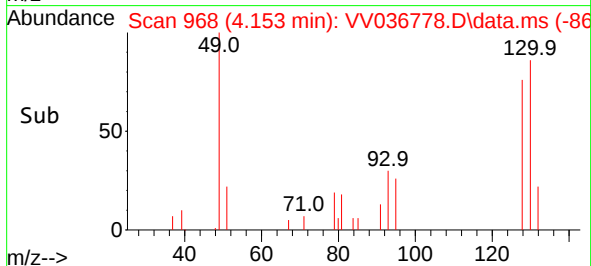
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 128 Resp: 348
Ion Ratio Lower Upper
128 100
49 143.1 120.0 223.0
130 113.6 87.0 161.6
51 51.0 43.1 64.7

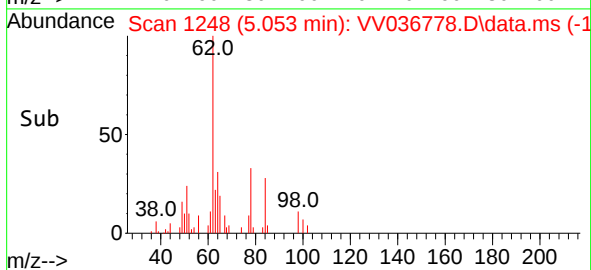
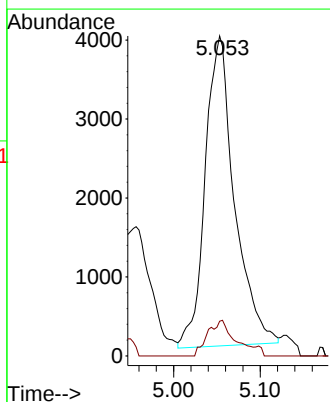
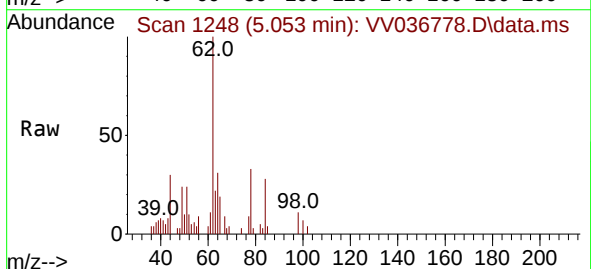
Manual Integrations
APPROVED

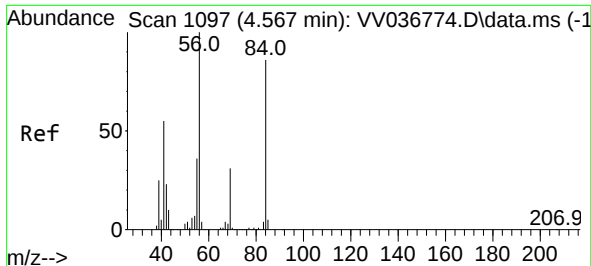
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#27
1,2-Dichloroethane
Concen: 1.799 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.023 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Tgt Ion: 62 Resp: 9228
Ion Ratio Lower Upper
62 100
98 10.8 7.5 11.3





#29

Cyclohexane

Concen: 2.003 ug/L

RT: 4.571 min Scan# 1097

Delta R.T. 0.003 min

Lab File: VV036778.D

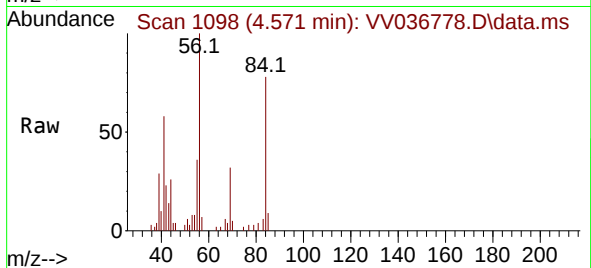
Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL

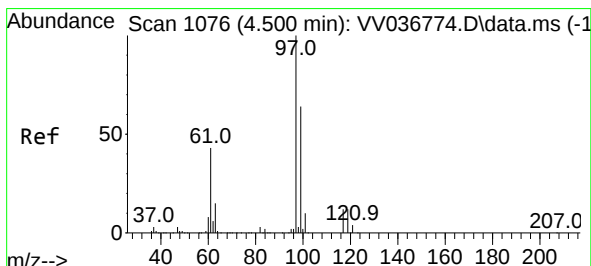
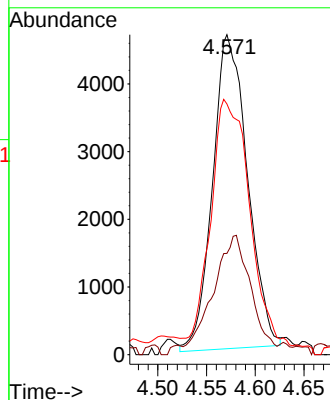
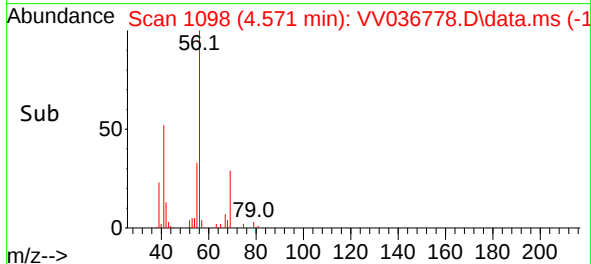


Tgt Ion:	56	Resp:	1151
Ion Ratio	100	Lower	Upper
56	100		
69	36.0	24.7	37.1
84	81.7	68.5	102.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#30

1,1,1-Trichloroethane

Concen: 1.916 ug/L

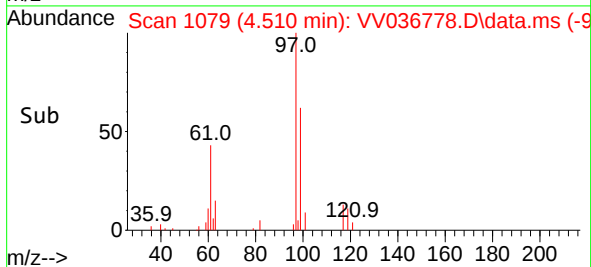
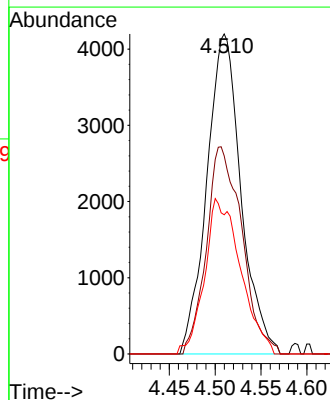
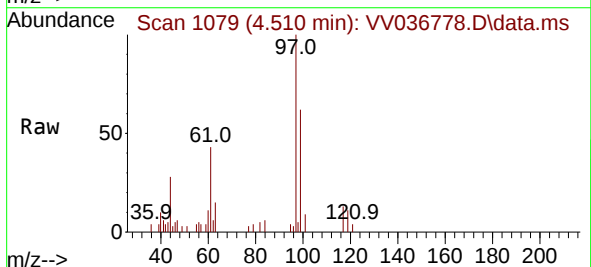
RT: 4.510 min Scan# 1079

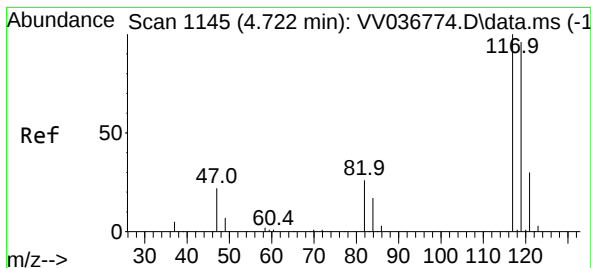
Delta R.T. 0.010 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

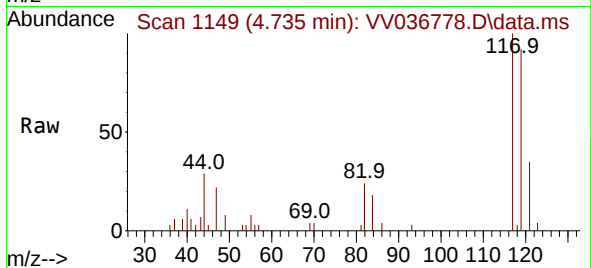
Tgt Ion:	97	Resp:	10892
Ion Ratio	100	Lower	Upper
97	100		
99	67.1	51.5	77.3
61	24.5	36.0	54.0





#31
Carbon tetrachloride
Concen: 1.909 ug/L
RT: 4.735 min Scan# 1145
Delta R.T. 0.013 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

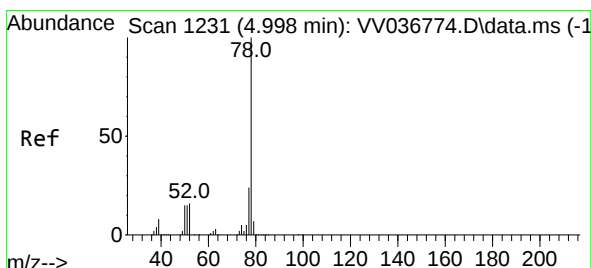
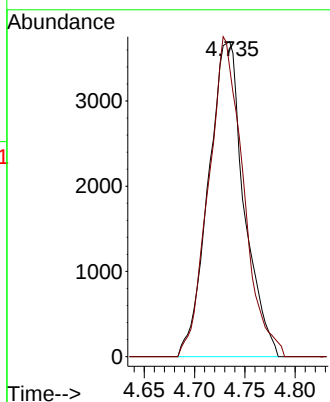
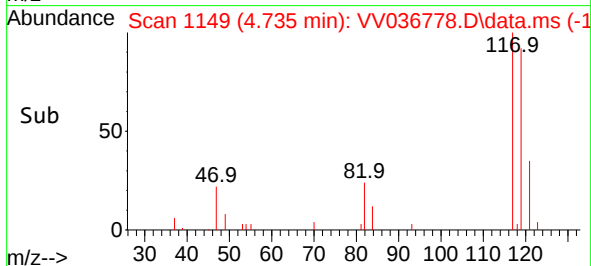
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion:117 Resp: 9114
Ion Ratio Lower Upper
117 100
119 98.7 76.1 114.1

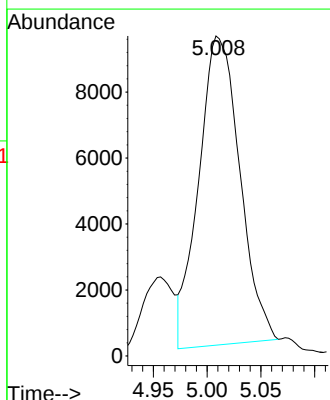
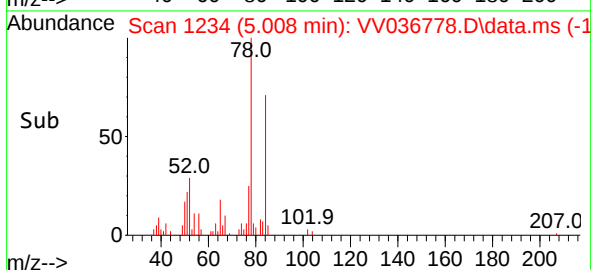
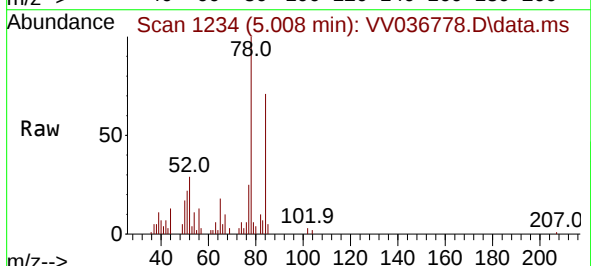
Manual Integrations
APPROVED

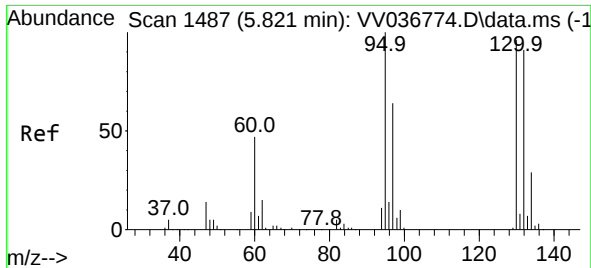
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#33
Benzene
Concen: 1.842 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.010 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Tgt Ion: 78 Resp: 24858





#34

Trichloroethene

Concen: 2.094 ug/L

RT: 5.834 min Scan# 1487

Delta R.T. 0.013 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

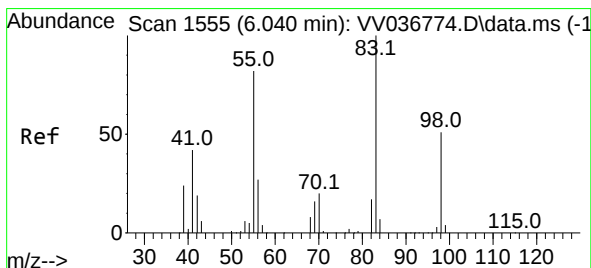
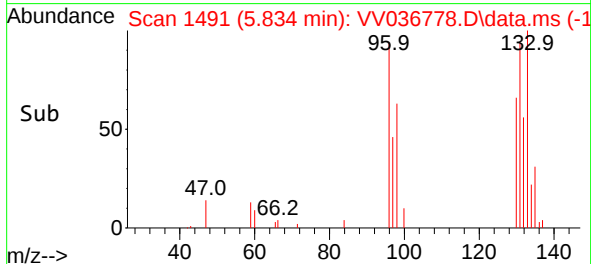
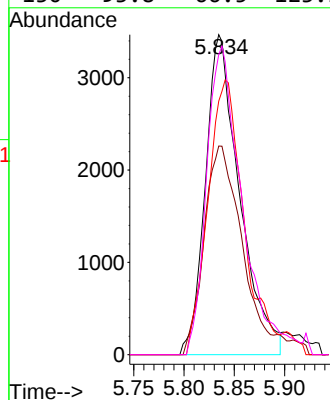
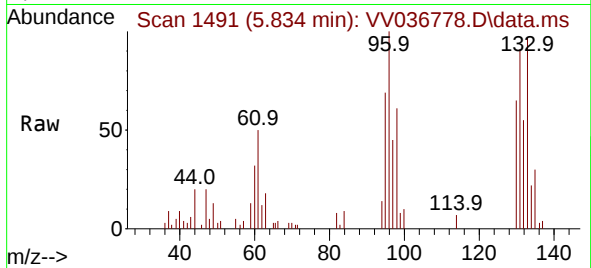
MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:	95	Resp:	819
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.7	82.9
132	79.3	62.9	116.9
130	93.8	66.5	123.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#35

Methylcyclohexane

Concen: 2.070 ug/L

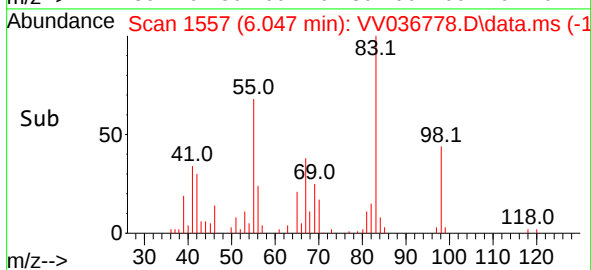
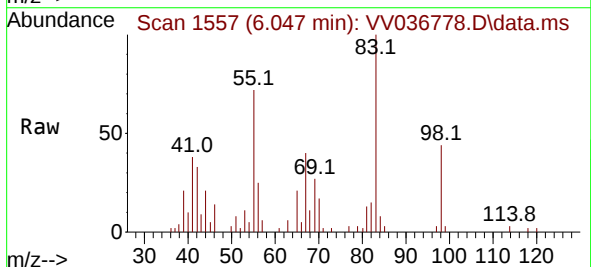
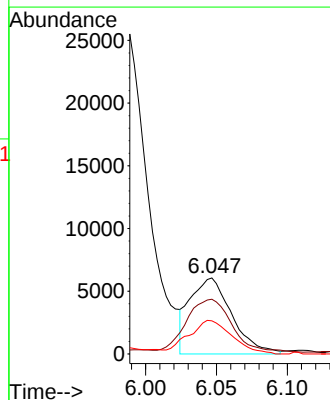
RT: 6.047 min Scan# 1557

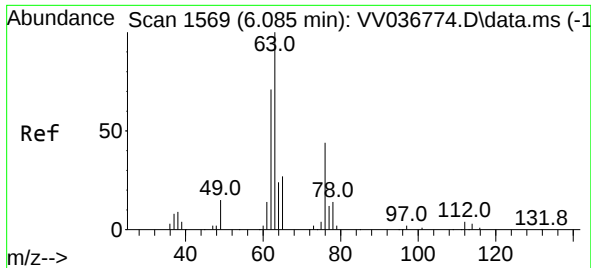
Delta R.T. 0.007 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Tgt Ion:	83	Resp:	12423
Ion	Ratio	Lower	Upper
83	100		
55	69.1	62.3	93.5
98	46.3	38.7	58.1





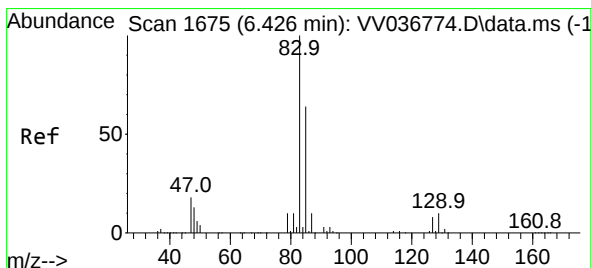
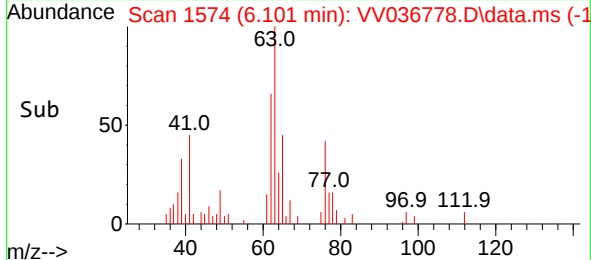
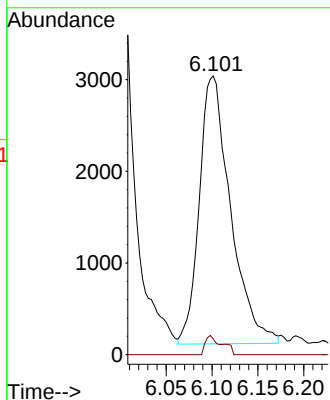
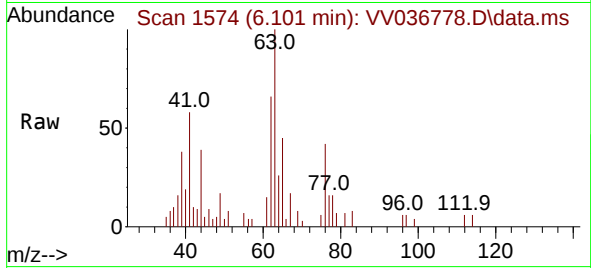
#37
1,2-Dichloropropane
Concen: 1.942 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.016 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion: 63 Resp: 6944
Ion Ratio Lower Upper
63 100
112 2.5 3.6 5.4

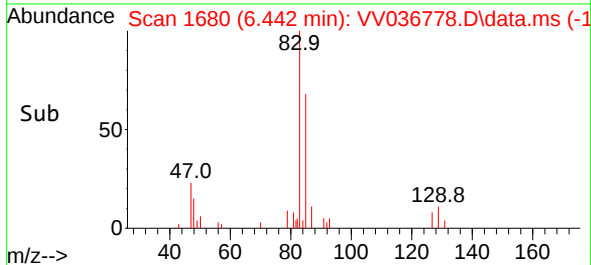
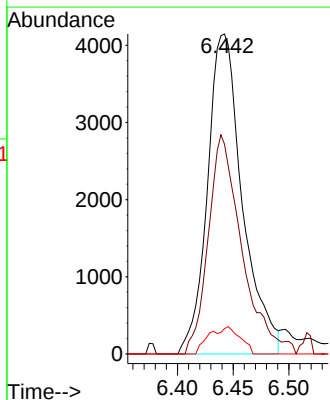
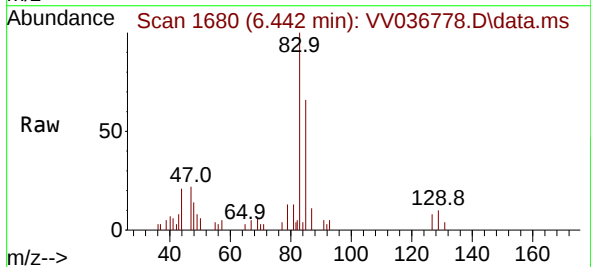
Manual Integrations
APPROVED

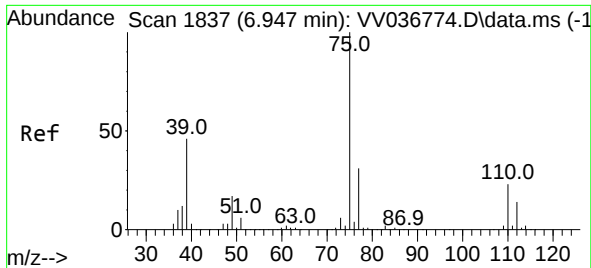
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#38
Bromodichloromethane
Concen: 1.840 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.016 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Tgt Ion: 83 Resp: 9059
Ion Ratio Lower Upper
83 100
85 65.6 44.7 83.1
127 7.9 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 1.925 ug/L m

RT: 6.969 min Scan# 1178

Delta R.T. 0.023 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion: 75 Resp: 1178

Ion Ratio Lower Upper

75 100

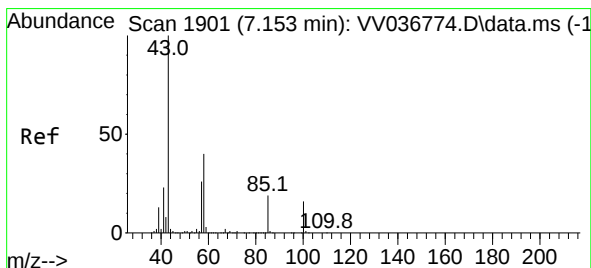
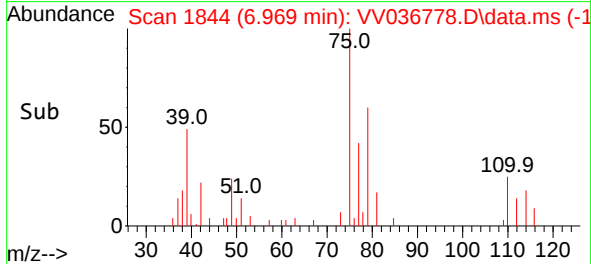
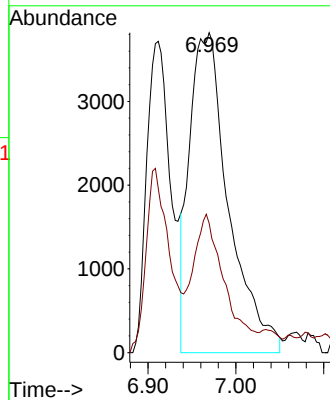
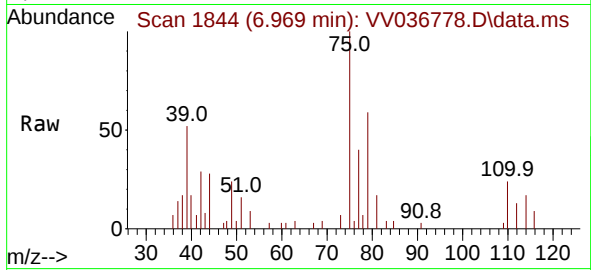
77 40.4 22.2 41.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024

Supervised By :Semsettin Yesilyurt 08/08/2024



#40

4-Methyl-2-pentanone

Concen: 2.742 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.019 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

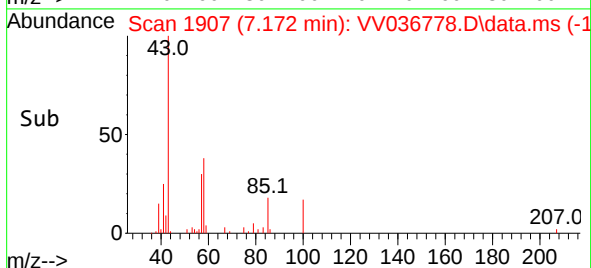
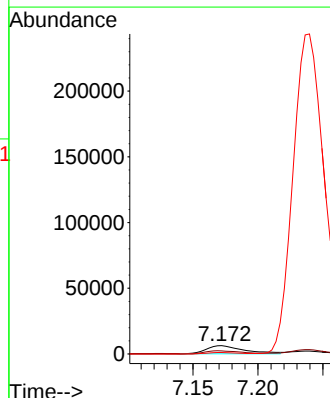
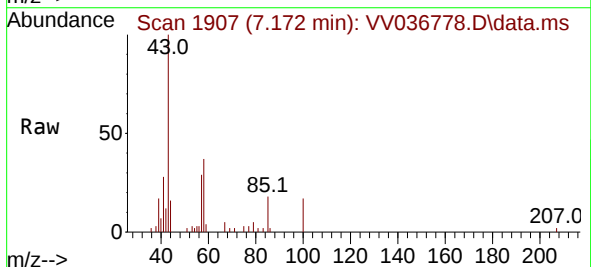
Tgt Ion: 43 Resp: 12142

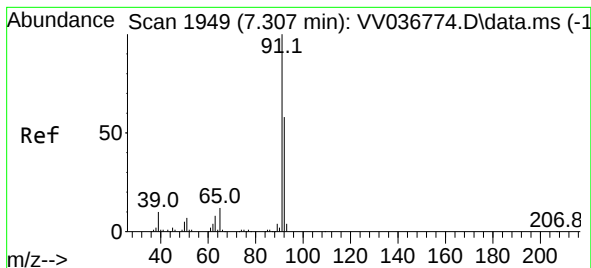
Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9

100 14.2 12.6 18.8





#42

Toluene

Concen: 1.949 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.013 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion: 91 Resp: 28018

Ion Ratio Lower Upper

91 100

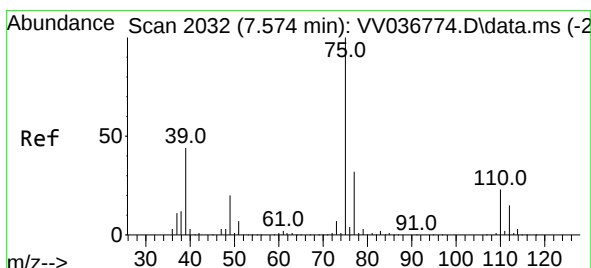
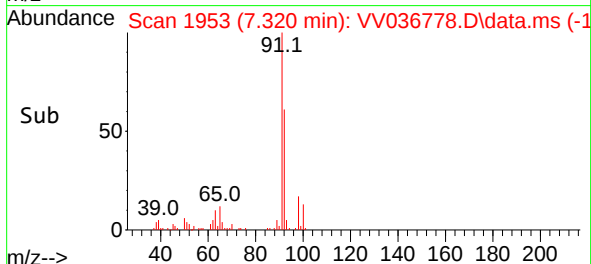
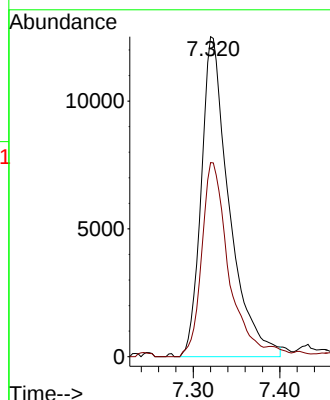
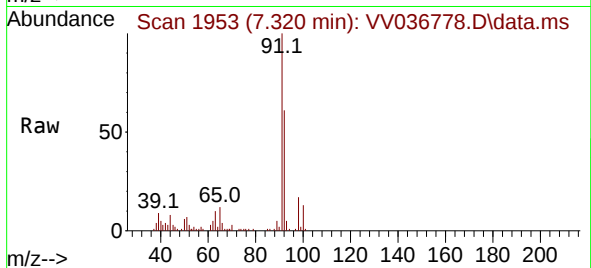
92 60.6 40.5 75.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024

Supervised By :Semsettin Yesilyurt 08/08/2024



#44

trans-1,3-Dichloropropene

Concen: 1.607 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.013 min

Lab File: VV036778.D

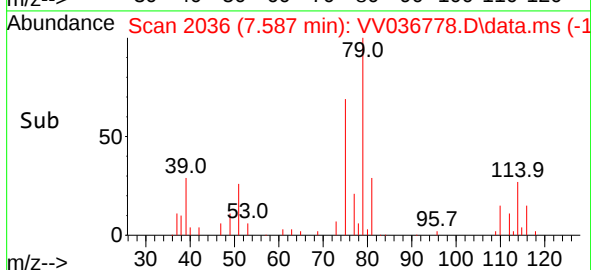
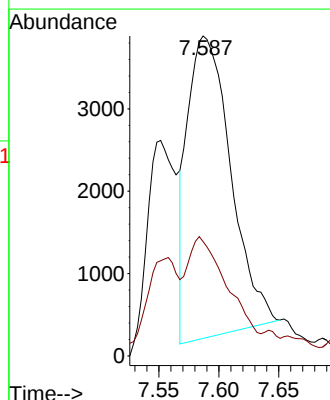
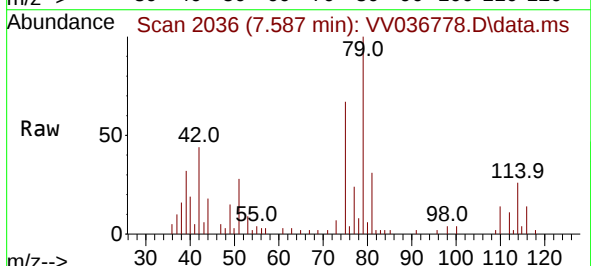
Acq: 05 Aug 2024 11:56

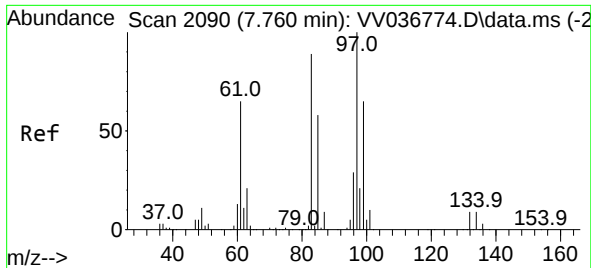
Tgt Ion: 75 Resp: 9171

Ion Ratio Lower Upper

75 100

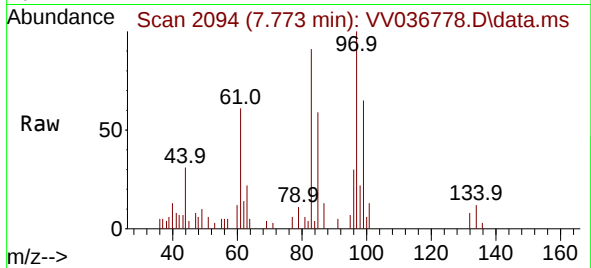
77 35.8 22.4 41.6





#45
1,1,2-Trichloroethane
Concen: 1.779 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.013 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL

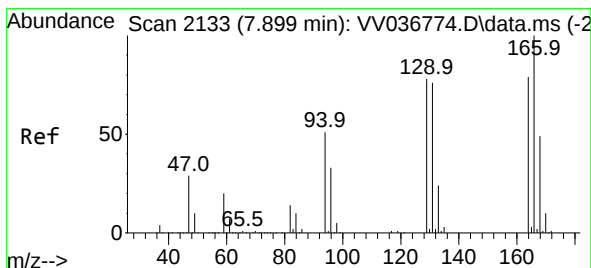
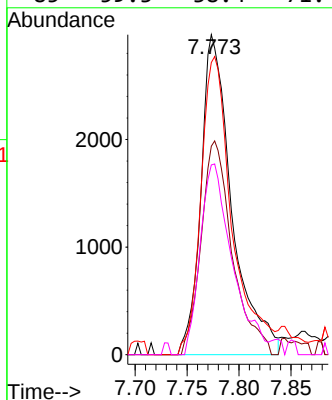
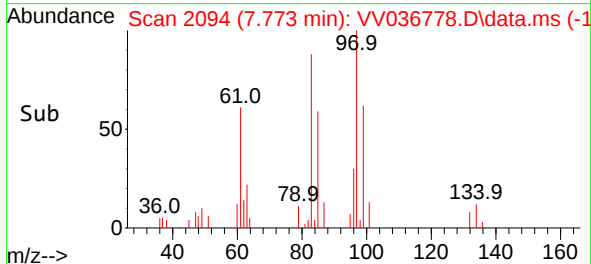


Tgt Ion: 97 Resp: 6159

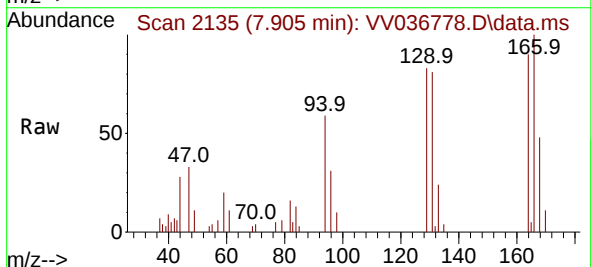
Ion	Ratio	Lower	Upper
97	100		
99	65.2	44.0	81.6
83	91.3	60.1	111.5
85	59.3	38.4	71.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024

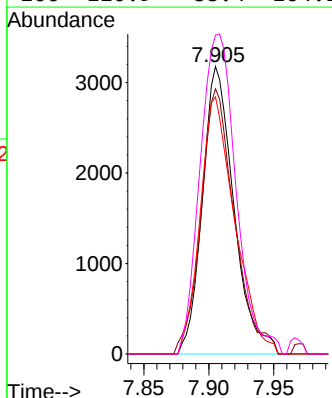
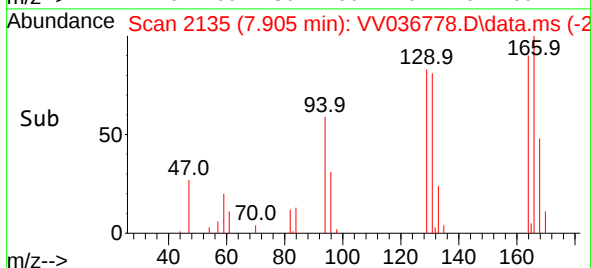


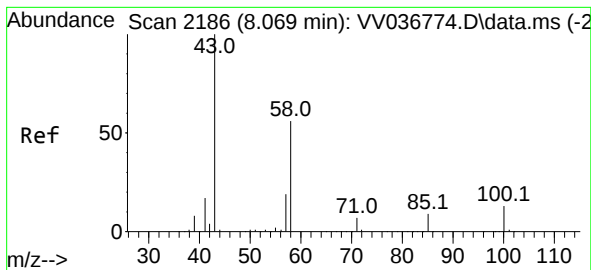
#46
Tetrachloroethene
Concen: 2.085 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56



Tgt Ion:164 Resp: 5349

Ion	Ratio	Lower	Upper
164	100		
129	92.2	70.4	130.8
131	89.4	67.7	125.7
166	110.9	88.4	164.2





#48

2-Hexanone

Concen: 7.666 ug/L

RT: 8.085 min Scan# 2186

Delta R.T. 0.016 min

Lab File: VV036778.D

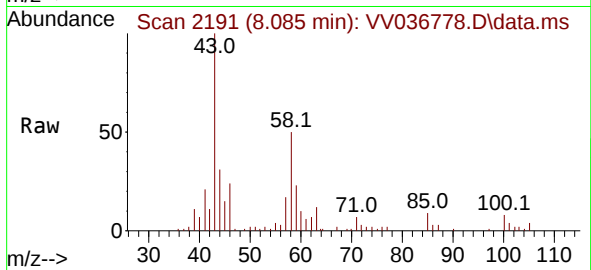
Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 43 Resp: 24978

Ion Ratio Lower Upper

43 100

58 51.4 44.7 67.1

57 0.0 15.0 22.4

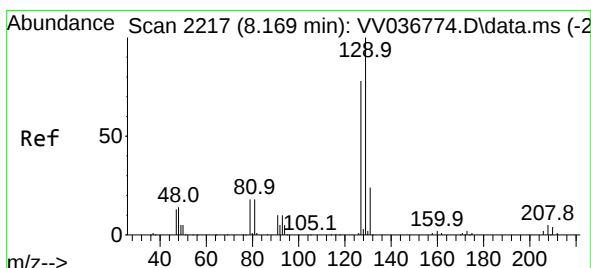
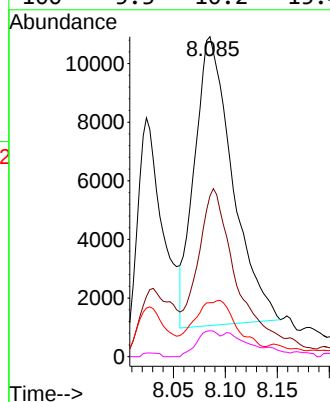
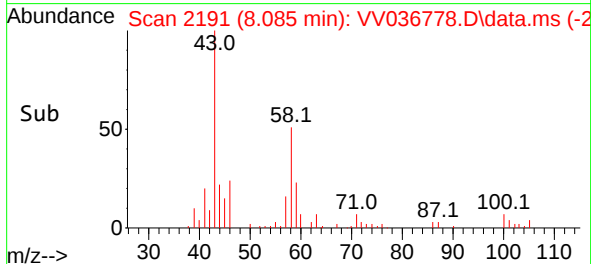
100 5.3 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024

Supervised By :Semsettin Yesilyurt 08/08/2024



#49

Dibromochloromethane

Concen: 1.872 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.007 min

Lab File: VV036778.D

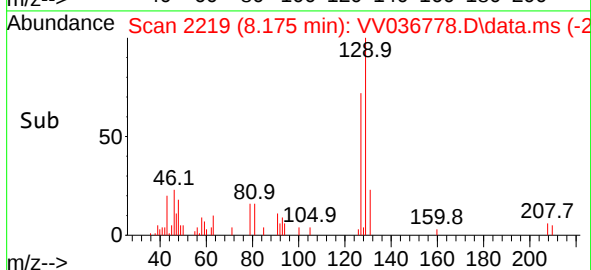
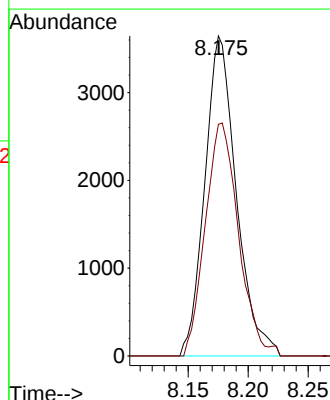
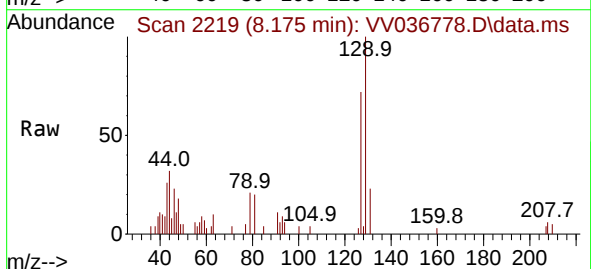
Acq: 05 Aug 2024 11:56

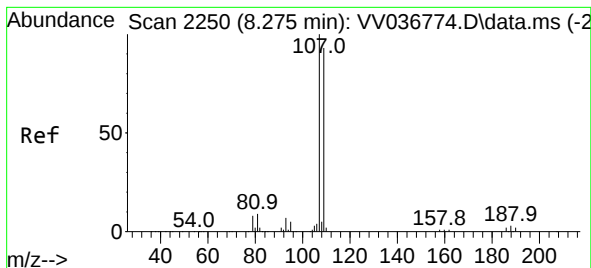
Tgt Ion:129 Resp: 6662

Ion Ratio Lower Upper

129 100

127 72.4 55.4 102.8





#50

1,2-Dibromoethane

Concen: 1.856 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

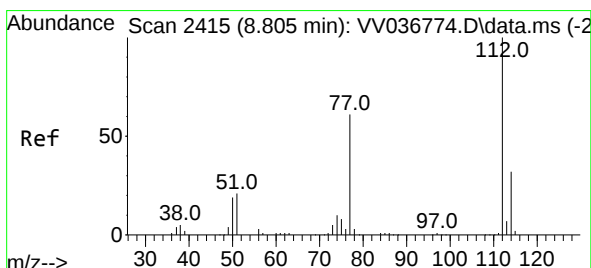
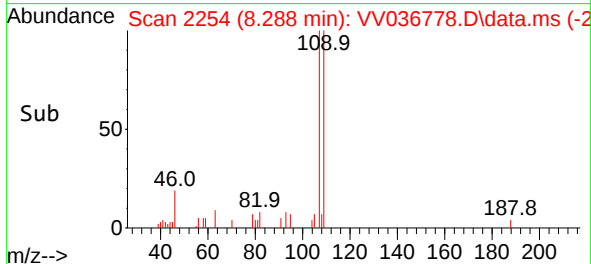
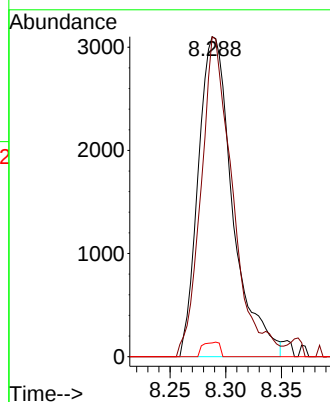
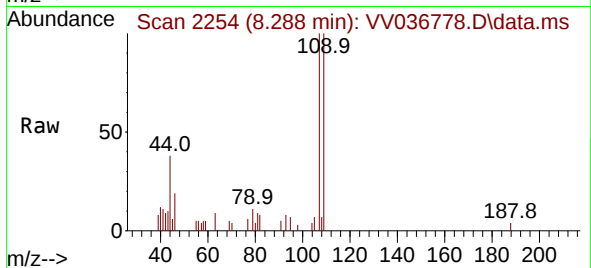
MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:	107	Resp:	666
Ion	Ratio	Lower	Upper
107	100		
109	100.0	64.7	120.1
188	4.3	2.6	3.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#51

Chlorobenzene

Concen: 1.994 ug/L

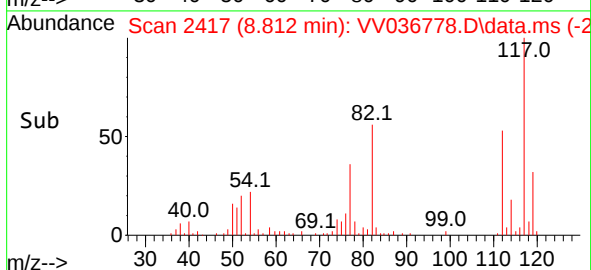
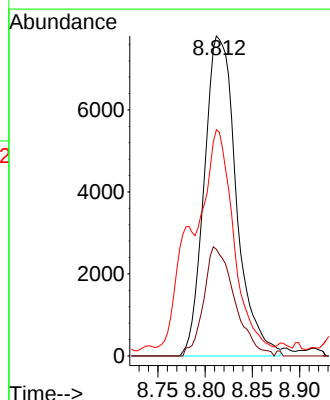
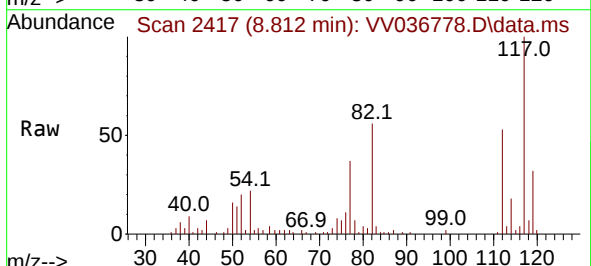
RT: 8.812 min Scan# 2417

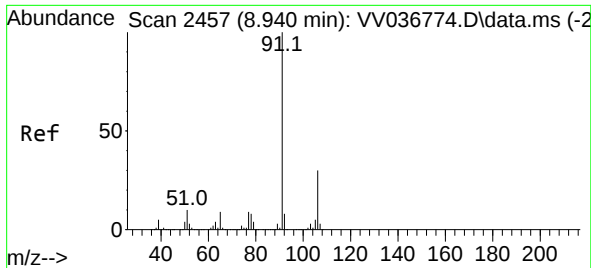
Delta R.T. 0.007 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Tgt Ion:	112	Resp:	18389
Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.3	41.5
77	70.7	48.9	73.3





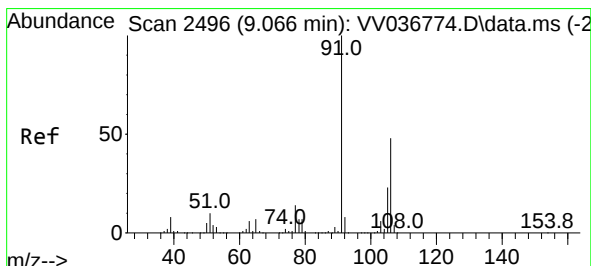
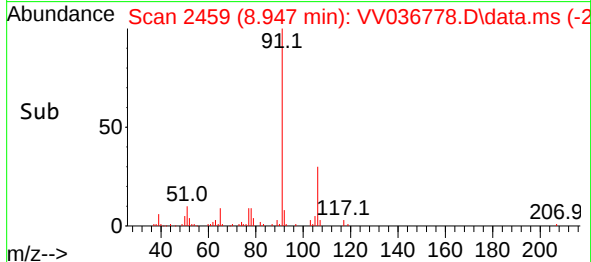
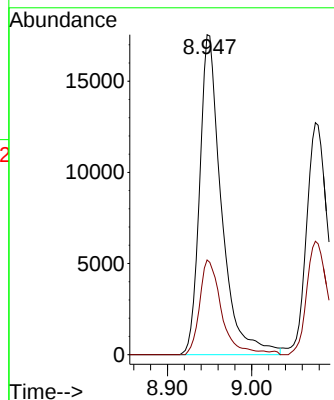
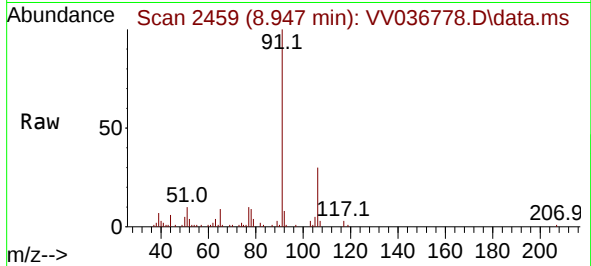
#52
Ethylbenzene
Concen: 1.926 ug/L
RT: 8.947 min Scan# 2457
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion: 91 Resp: 31610
Ion Ratio Lower Upper
91 100
106 29.6 21.1 39.1

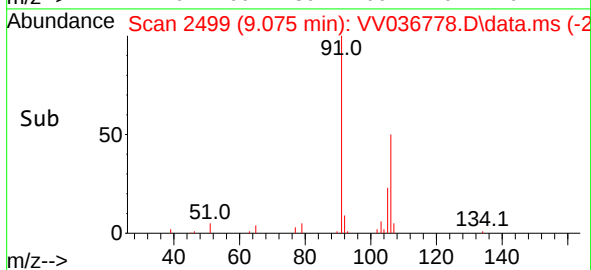
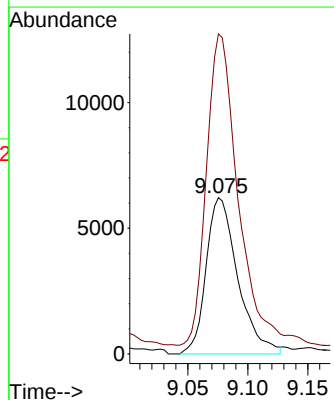
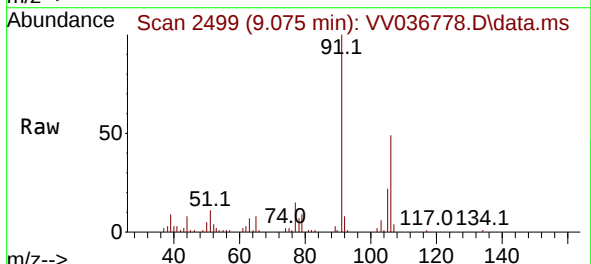
Manual Integrations
APPROVED

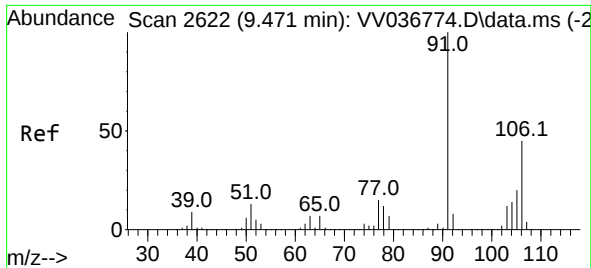
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#53
m,p-Xylene
Concen: 1.863 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.010 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Tgt Ion:106 Resp: 11432
Ion Ratio Lower Upper
106 100
91 204.7 147.1 273.3





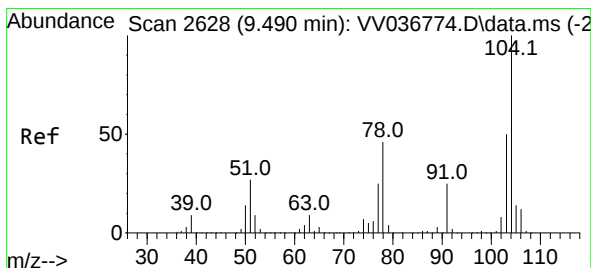
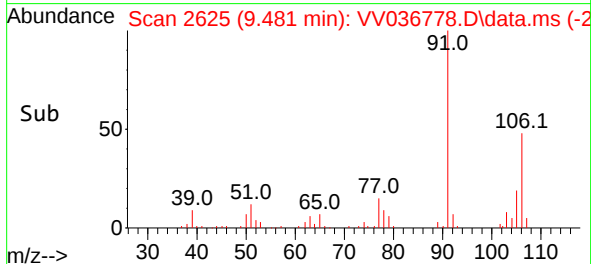
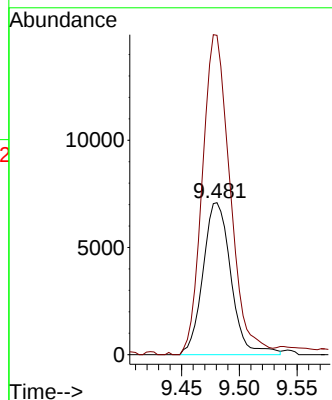
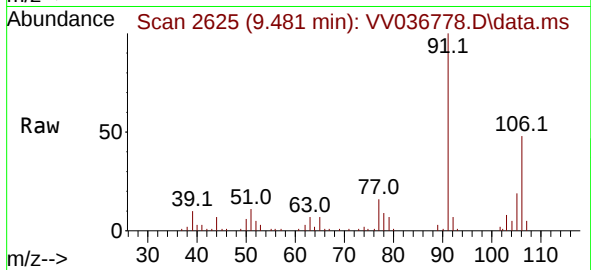
#54
o-Xylene
Concen: 1.988 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.010 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:106 Resp: 1193
Ion Ratio Lower Upper
106 100
91 210.2 154.5 286.9

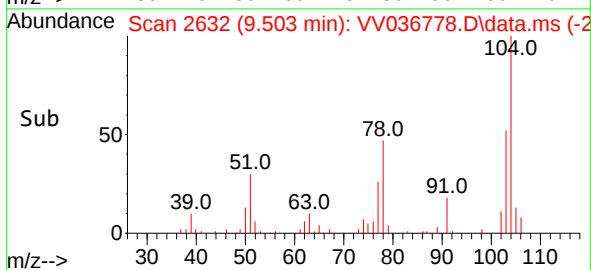
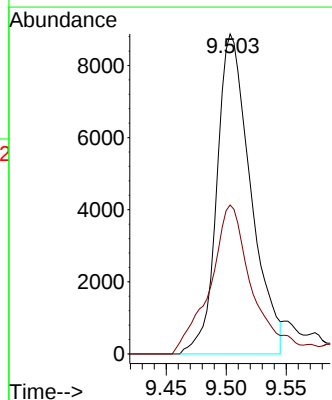
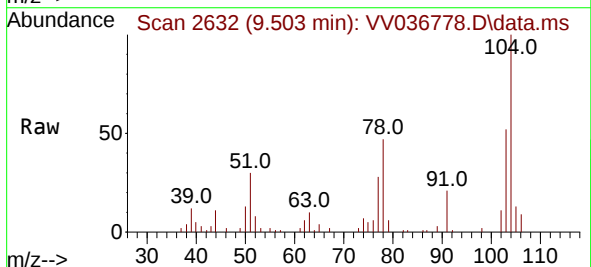
Manual Integrations
APPROVED

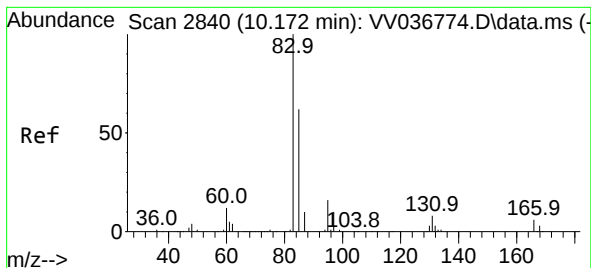
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#55
Styrene
Concen: 1.690 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.013 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

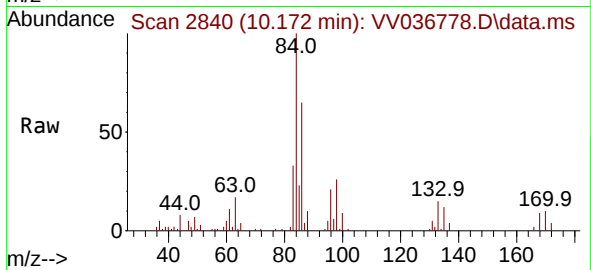
Tgt Ion:104 Resp: 17384
Ion Ratio Lower Upper
104 100
78 46.6 32.1 59.7





#57
1,1,2,2-Tetrachloroethane
Concen: 2.018 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

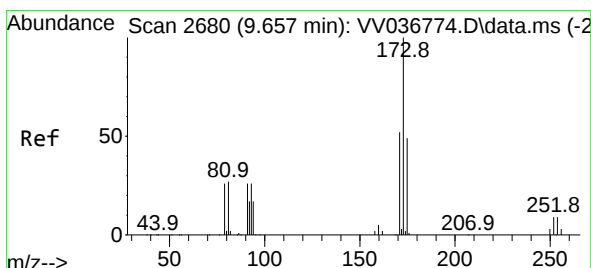
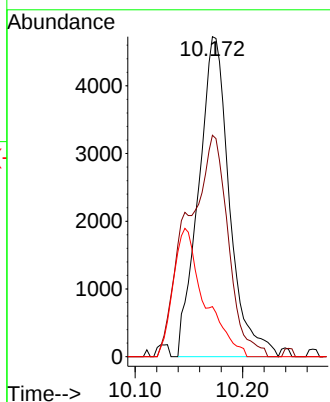
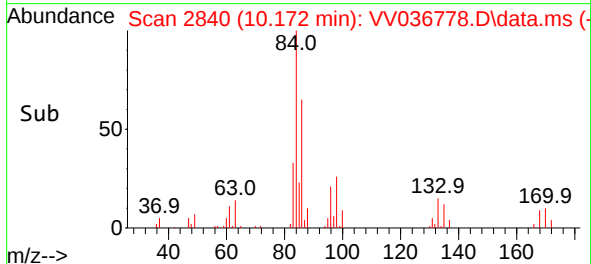
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion: 83 Resp: 9420
Ion Ratio Lower Upper
83 100
85 69.2 44.7 83.1
131 15.7 7.2 10.8

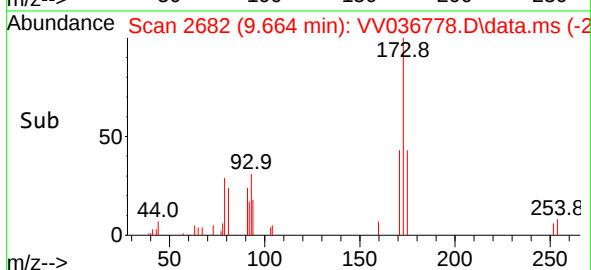
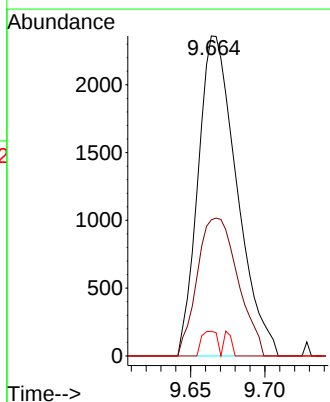
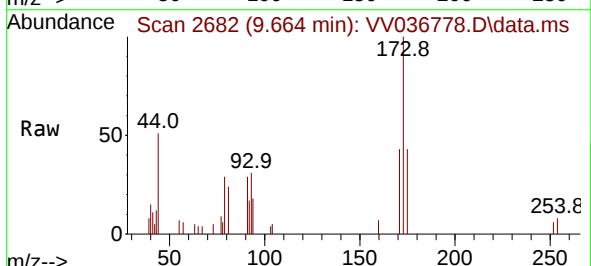
Manual Integrations
APPROVED

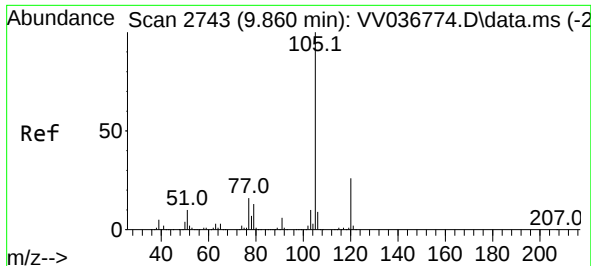
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#59
Bromoform
Concen: 1.746 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

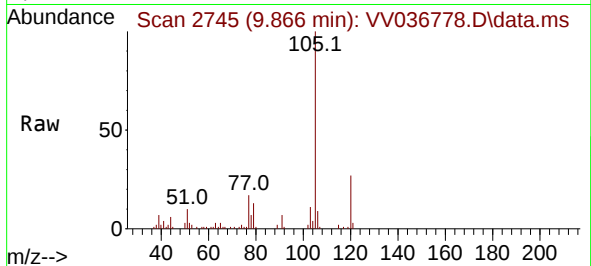
Tgt Ion:173 Resp: 4267
Ion Ratio Lower Upper
173 100
175 45.3 39.8 59.8
254 3.1 6.8 10.2





#60
Isopropylbenzene
Concen: 1.900 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56

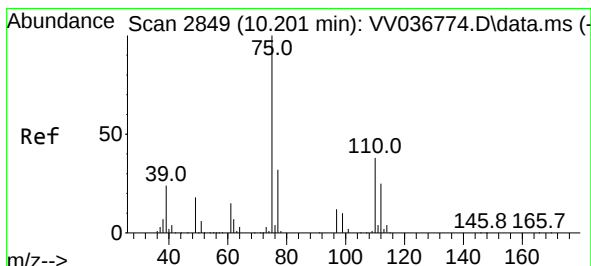
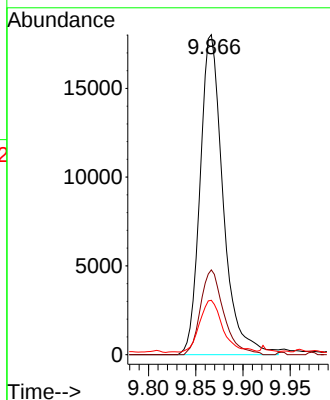
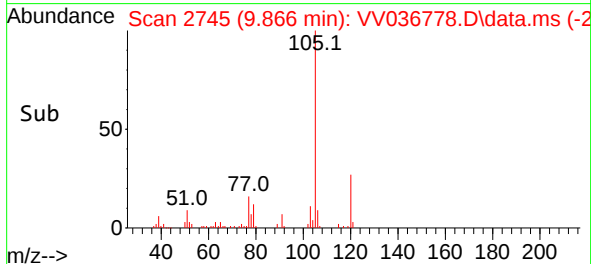
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05DL



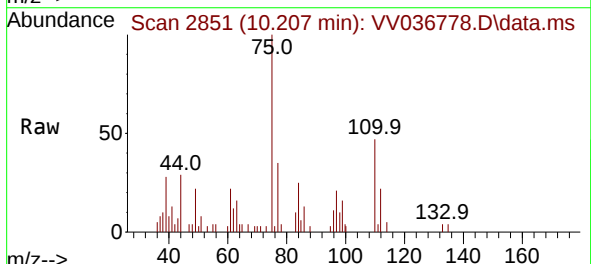
Tgt Ion:105 Resp: 30549
Ion Ratio Lower Upper
105 100
120 26.6 20.3 30.5
77 15.7 13.1 19.7

Manual Integrations
APPROVED

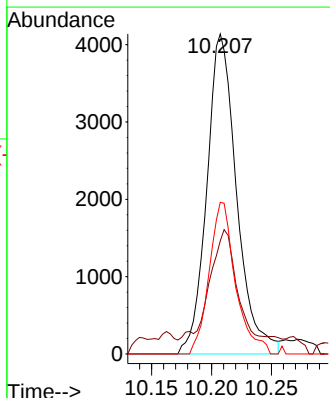
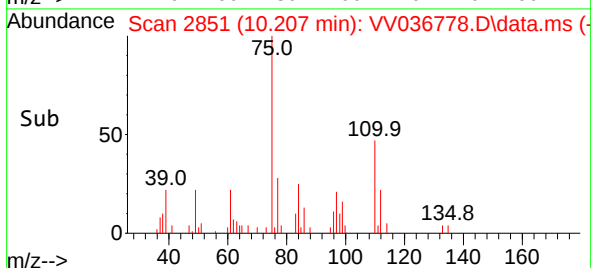
Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024

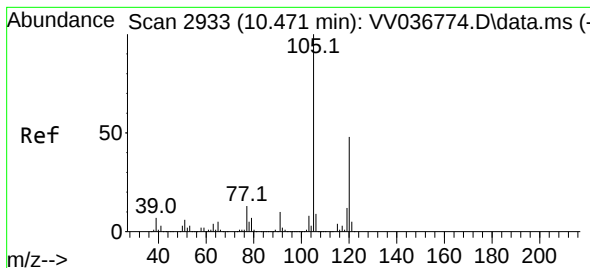


#61
1,2,3-Trichloropropane
Concen: 1.801 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.007 min
Lab File: VV036778.D
Acq: 05 Aug 2024 11:56



Tgt Ion: 75 Resp: 7161
Ion Ratio Lower Upper
75 100
77 27.7 26.2 39.2
110 41.7 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 1.832 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:105 Resp: 2453

Ion Ratio Lower Upper

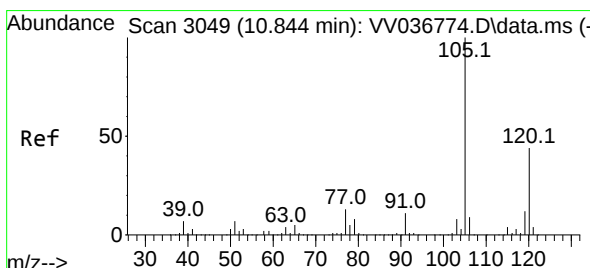
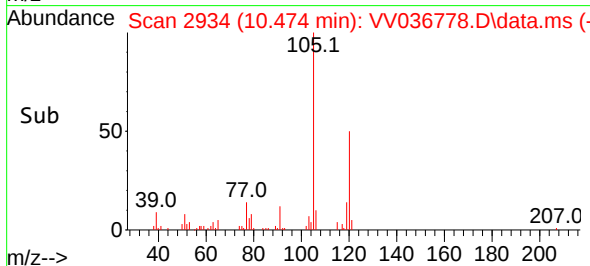
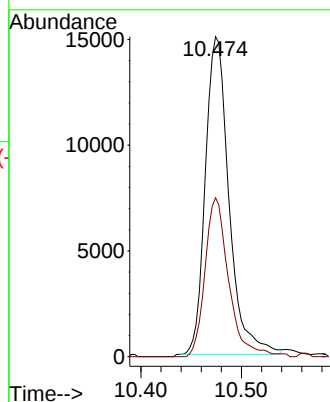
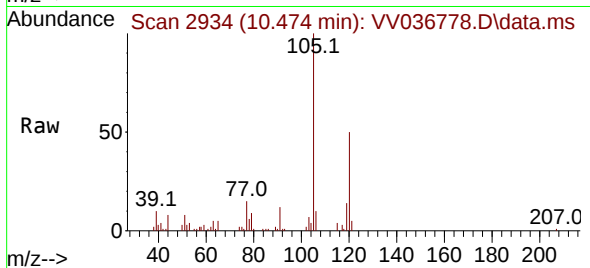
105 100

120 49.8 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.849 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.007 min

Lab File: VV036778.D

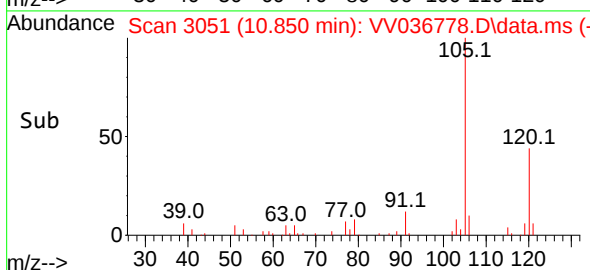
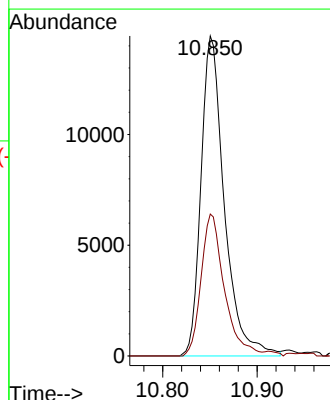
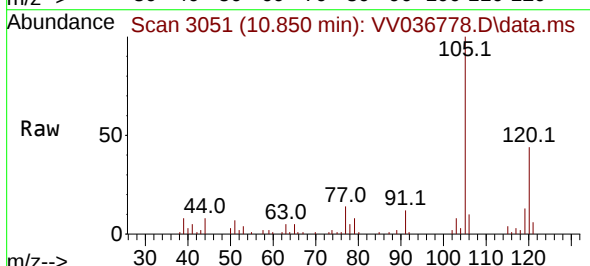
Acq: 05 Aug 2024 11:56

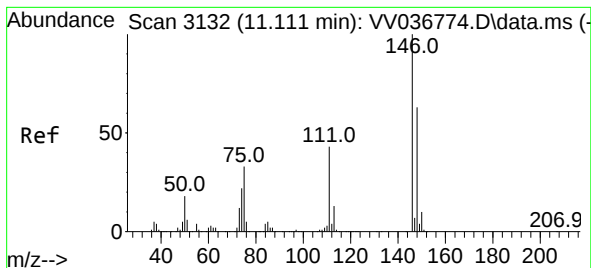
Tgt Ion:105 Resp: 24774

Ion Ratio Lower Upper

105 100

120 44.1 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 2.046 ug/L

RT: 11.117 min Scan# 3132

Delta R.T. 0.007 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

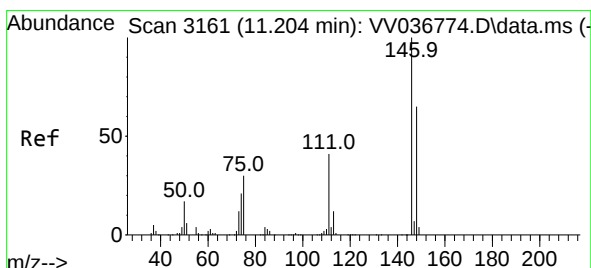
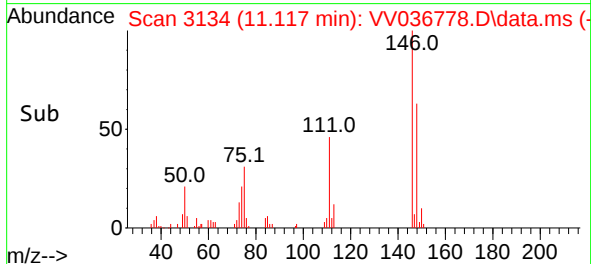
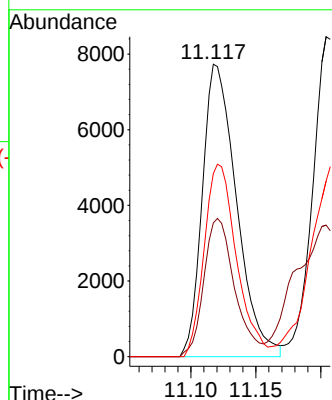
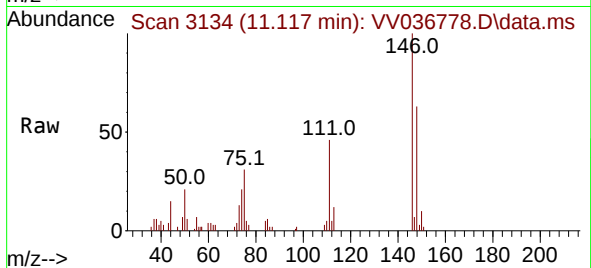
MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:	146	Resp:	14150
Ion Ratio	Lower	Upper	
146	100		
111	45.7	29.8	55.4
148	62.6	43.4	80.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#65

1,4-Dichlorobenzene

Concen: 2.199 ug/L

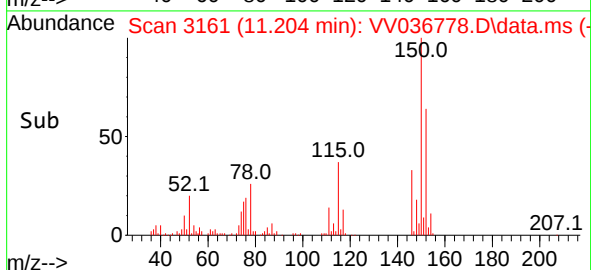
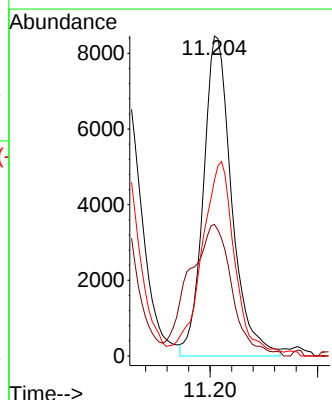
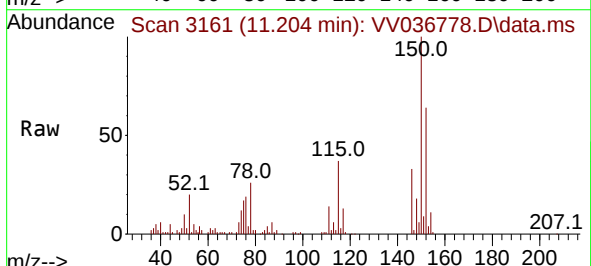
RT: 11.204 min Scan# 3161

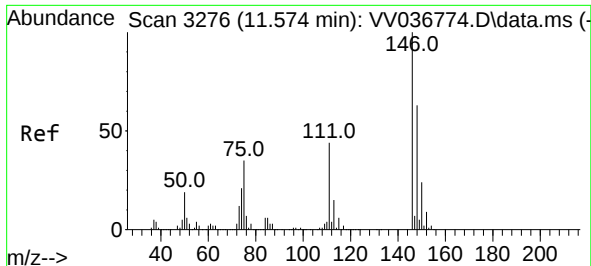
Delta R.T. 0.000 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Tgt Ion:	146	Resp:	15461
Ion Ratio	Lower	Upper	
146	100		
111	41.1	29.0	53.9
148	54.9	43.8	81.4





#67

1,2-Dichlorobenzene

Concen: 2.112 ug/L

RT: 11.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

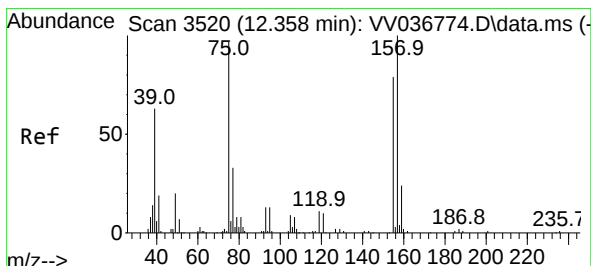
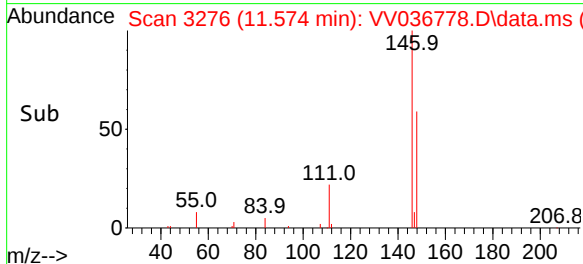
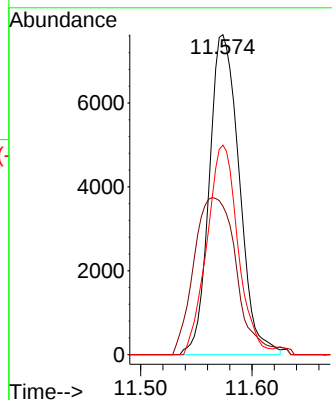
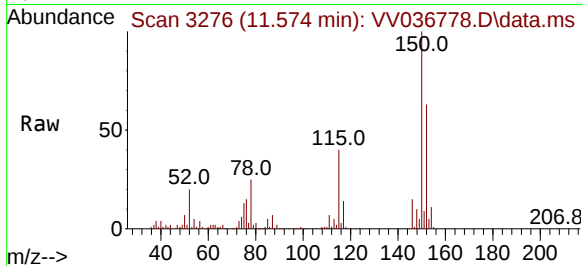
MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:	146	Resp:	1426
Ion Ratio	Lower	Upper	
146	100		
111	46.4	35.7	53.5
148	65.5	51.2	76.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 1.623 ug/L

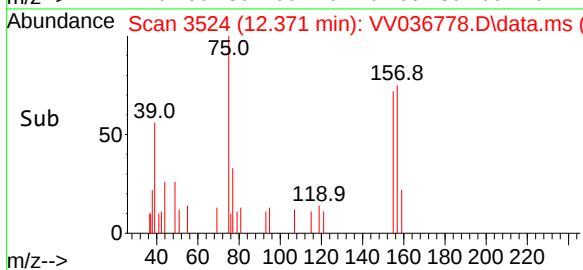
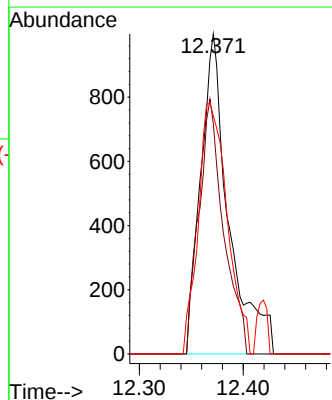
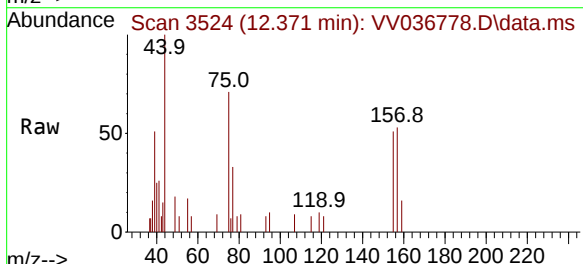
RT: 12.371 min Scan# 3524

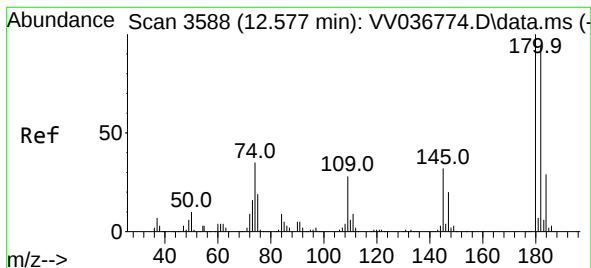
Delta R.T. 0.013 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Tgt Ion:	75	Resp:	1865
Ion Ratio	Lower	Upper	
75	100		
155	72.0	59.5	89.3
157	74.5	81.0	121.4





#69

1,3,5-Trichlorobenzene

Concen: 1.970 ug/L

RT: 12.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036778.D

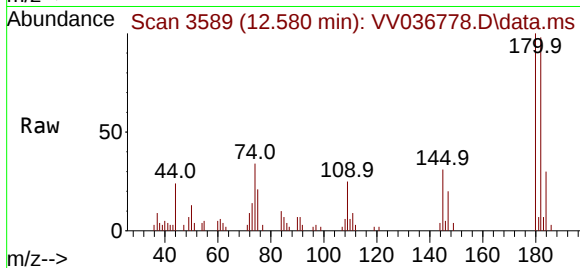
Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05DL



Tgt Ion:180 Resp: 9660

Ion Ratio Lower Upper

180 100

182 94.8 75.0 112.6

184 29.1 23.7 35.5

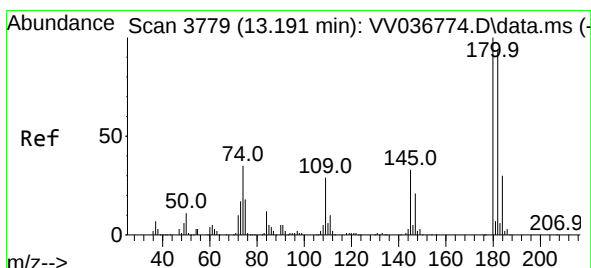
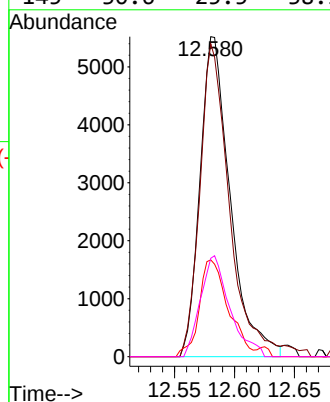
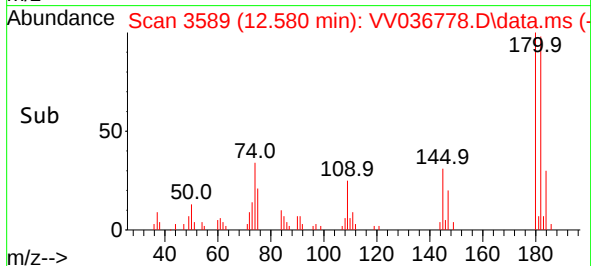
145 30.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024

Supervised By :Semsettin Yesilyurt 08/08/2024



#70

1,2,4-trichlorobenzene

Concen: 2.053 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.010 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

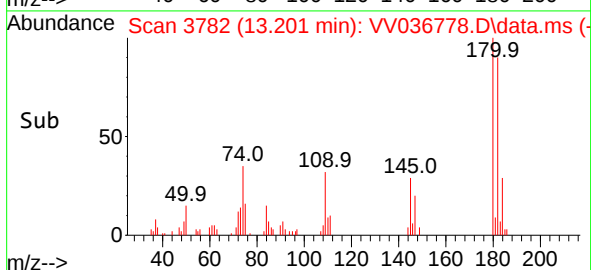
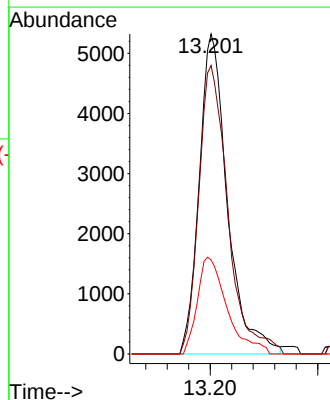
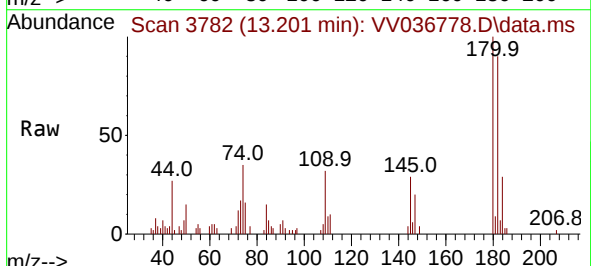
Tgt Ion:180 Resp: 9664

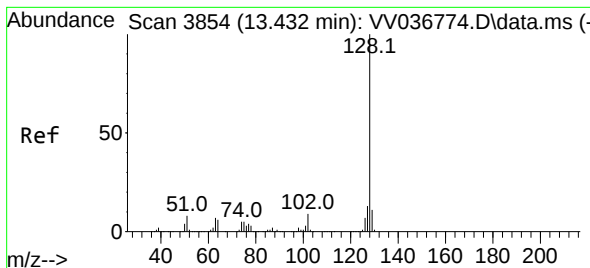
Ion Ratio Lower Upper

180 100

182 93.2 75.1 112.7

145 31.1 26.5 39.7





#71

Naphthalene

Concen: 1.925 ug/L

RT: 13.442 min Scan# 3911

Delta R.T. 0.010 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Instrument :

MSVOA_V

ClientSampleId :

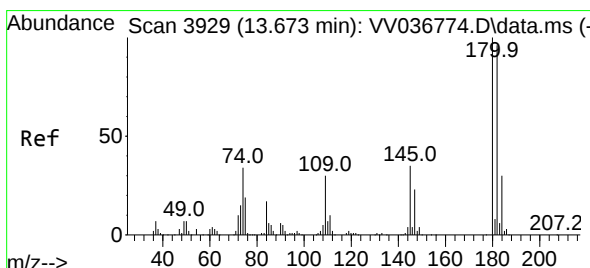
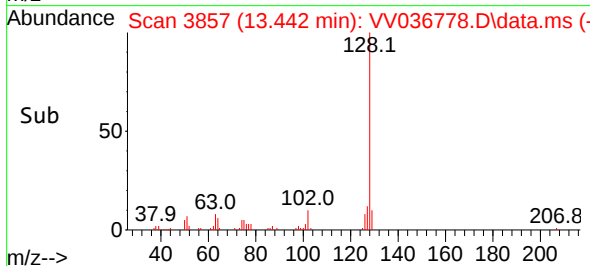
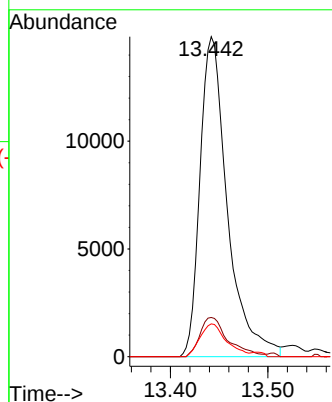
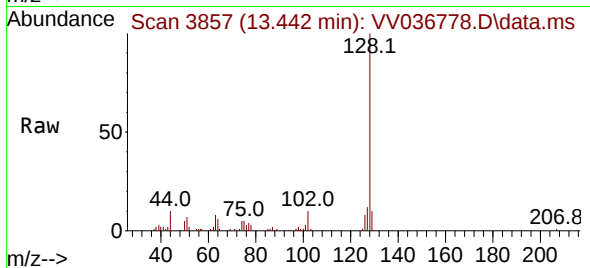
MDL-MED-SOIL-QT3-2024-05DL

Tgt Ion:	128	Resp:	2905
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	9.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/07/2024
Supervised By :Semsettin Yesilyurt 08/08/2024



#72

1,2,3-Trichlorobenzene

Concen: 1.862 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.007 min

Lab File: VV036778.D

Acq: 05 Aug 2024 11:56

Tgt Ion:	180	Resp:	8578
Ion Ratio	Lower	Upper	
180	100		
182	91.9	76.2	114.2
145	36.3	27.8	41.6

