

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV120224\
 Data File : VV038394.D
 Acq On : 02 Dec 2024 17:24
 Operator : SY/MD
 Sample : P4776-05
 Misc : 5.00g/5mL/100ul/5ML/MSVOA_V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Dec 02 21:41:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 21:19:32 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	552737	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	555763	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	262254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	204332	44.242	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.480%		
7) Chloroethane-d5	1.529	69	165459	42.519	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.040%		
11) 1,1-Dichloroethene-d2	2.056	65	87362	44.617	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.240%		
21) 2-Butanone-d5	3.783	46	213510	97.143	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.140%		
24) Chloroform-d	4.239	84	376754	44.835	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.680%		
26) 1,2-Dichloroethane-d4	4.931	65	235024	47.376	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.760%		
32) Benzene-d6	4.950	84	743866	46.455	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.920%		
36) 1,2-Dichloropropane-d6	5.979	67	238282	47.857	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.720%		
41) Toluene-d8	7.236	98	651124	44.960	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
43) trans-1,3-Dichloroprop...	7.548	79	107329	44.570	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.140%		
47) 2-Hexanone-d5	8.017	63	137123	90.181	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.180%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	316266	45.418	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.840%		
66) 1,2-Dichlorobenzene-d4	11.551	152	256207	50.529	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	12087	2.381	ug/L	98
3) Chloromethane	1.214	50	12119	2.301	ug/L	90
5) Vinyl chloride	1.281	62	12794	2.382	ug/L #	65
6) Bromomethane	1.484	94	7782	2.338	ug/L	97
8) Chloroethane	1.545	64	8438	2.483	ug/L	95
9) Trichlorofluoromethane	1.712	101	15832	2.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11760	2.883	ug/L	89
12) 1,1-Dichloroethene	2.066	96	11199	2.883	ug/L #	1
13) Acetone	2.114	43	13988	4.614	ug/L	99
14) Carbon disulfide	2.236	76	31625	2.474	ug/L	97
15) Methyl Acetate	2.384	43	9780m	2.493	ug/L	
17) trans-1,2-Dichloroethene	2.696	96	9832	2.321	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	26401	2.158	ug/L #	87
19) 1,1-Dichloroethane	3.111	63	17788	2.290	ug/L	95
20) cis-1,2-Dichloroethene	3.818	96	10359	2.325	ug/L	92
22) 2-Butanone	3.912	43	15801m	5.485	ug/L	
23) Bromochloromethane	4.153	128	5233	2.161	ug/L	89
27) 1,2-Dichloroethane	5.053	62	15135m	2.559	ug/L	
29) Cyclohexane	4.571	56	11688	1.957	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.506	97	14947	2.128	ug/L	99
31) Carbon tetrachloride	4.728	117	13925m	2.256	ug/L	
33) Benzene	5.008	78	40799	2.432	ug/L	100
34) Trichloroethene	5.837	95	11281m	2.517	ug/L	
35) Methylcyclohexane	6.040	83	16188m	2.515	ug/L	
37) 1,2-Dichloropropane	6.095	63	11493m	2.635	ug/L	
38) Bromodichloromethane	6.439	83	13595	2.246	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	15971m	2.360	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	20715m	4.243	ug/L	
42) Toluene	7.320	91	39518	2.268	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	16689m	2.552	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	9954	2.199	ug/L	98
46) Tetrachloroethene	7.905	164	8164	2.360	ug/L	93
48) 2-Hexanone	8.082	43	34002m	8.348	ug/L	
49) Dibromochloromethane	8.172	129	9847	2.110	ug/L	90
50) 1,2-Dibromoethane	8.284	107	10538	2.209	ug/L #	99
51) Chlorobenzene	8.812	112	27465	2.294	ug/L	93
52) Ethylbenzene	8.947	91	38374	2.053	ug/L	98
53) m,p-Xylene	9.075	106	12418	1.753	ug/L	97
54) o-Xylene	9.477	106	12081	1.772	ug/L	99
55) Styrene	9.503	104	22254m	1.860	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.169	83	16944	2.410	ug/L #	95
59) Bromoform	9.660	173	6280m	2.228	ug/L	
60) Isopropylbenzene	9.863	105	31345	1.955	ug/L	97
61) 1,2,3-Trichloropropane	10.204	75	11798	2.584	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	24590	1.911	ug/L	94
63) 1,2,4-Trimethylbenzene	10.850	105	21702	1.716	ug/L	95
64) 1,3-Dichlorobenzene	11.117	146	19040	2.313	ug/L	96
65) 1,4-Dichlorobenzene	11.204	146	21345	2.439	ug/L	97
67) 1,2-Dichlorobenzene	11.570	146	22017	2.623	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.361	75	3117	2.590	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.580	180	13930m	2.481	ug/L	
70) 1,2,4-trichlorobenzene	13.201	180	10173	2.151	ug/L	98
71) Naphthalene	13.445	128	25977	2.026	ug/L	98
72) 1,2,3-Trichlorobenzene	13.676	180	9612	2.071	ug/L	96

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

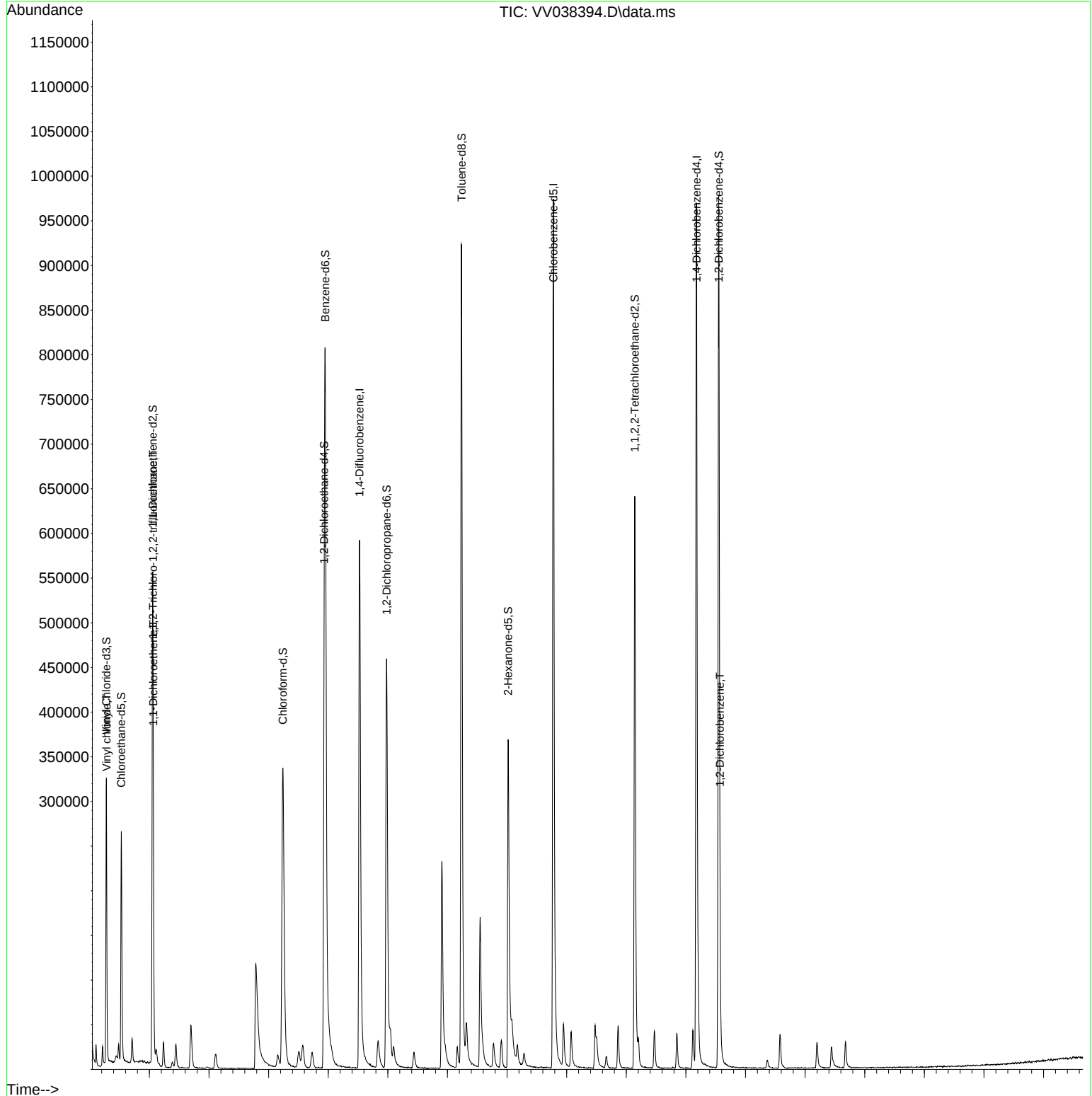
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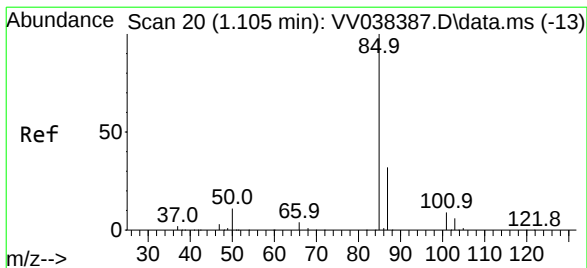
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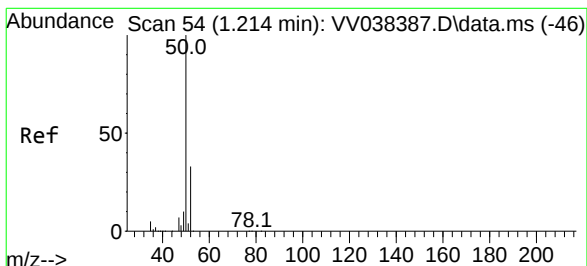
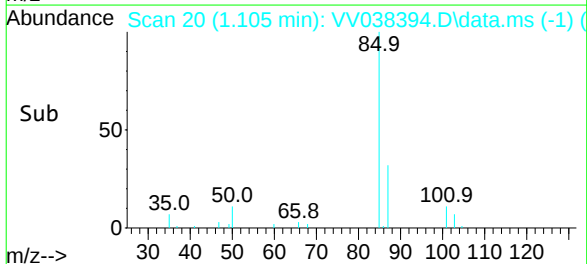
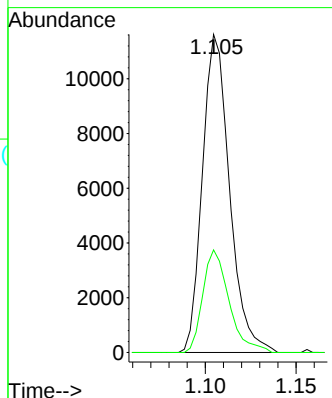
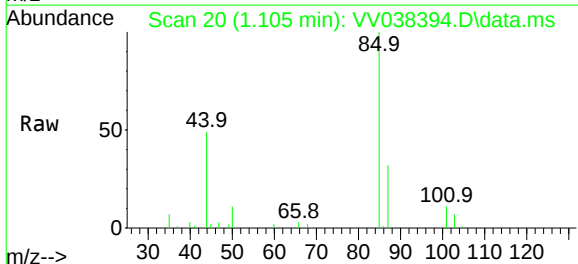
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Dichlorodifluoromethane
Concen: 2.381 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 85 Resp: 12087
Ion Ratio Lower Upper
85 100
87 31.2 25.8 38.6

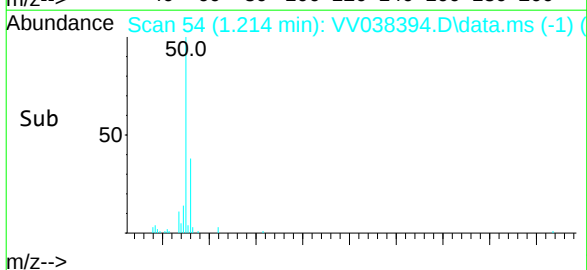
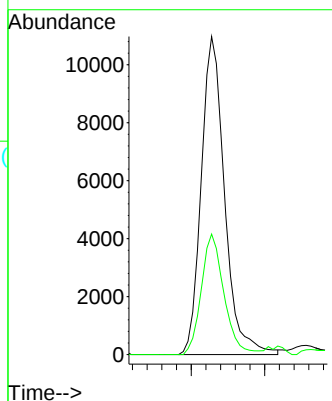
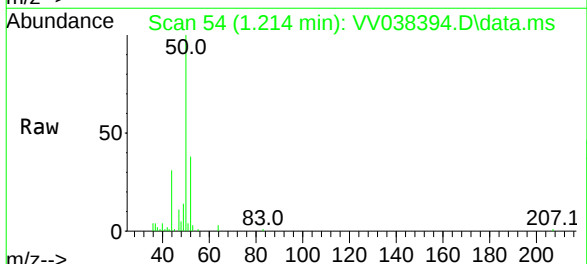
Manual Integrations
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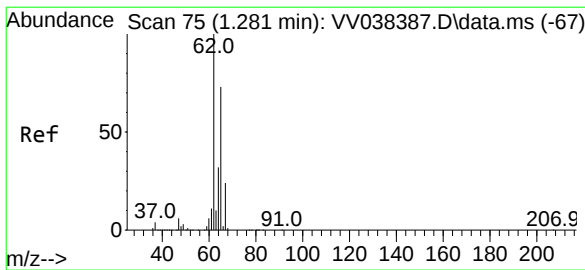
Reviewed By :Mahesh Dadoda 12/03/2024
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#3
Chloromethane
Concen: 2.301 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion: 50 Resp: 12119
Ion Ratio Lower Upper
50 100
52 37.9 22.7 42.3





#5

Vinyl chloride

Concen: 2.382 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 62 Resp: 12794

Ion Ratio Lower Upper

62 100

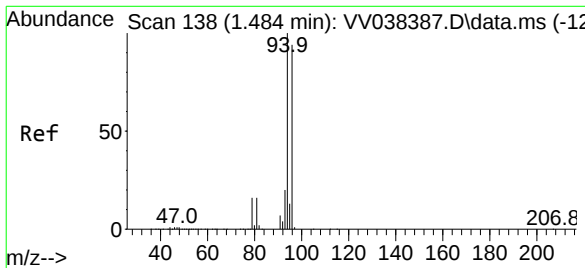
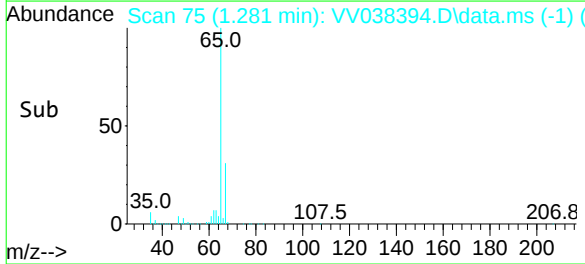
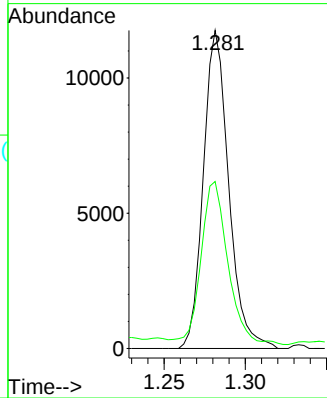
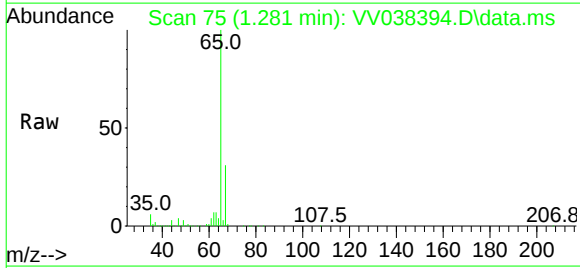
64 52.5 22.8 42.4

Manual Integrations

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#6

Bromomethane

Concen: 2.338 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV038394.D

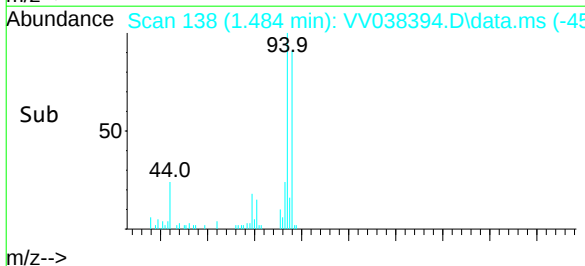
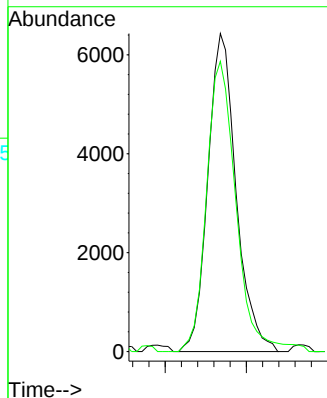
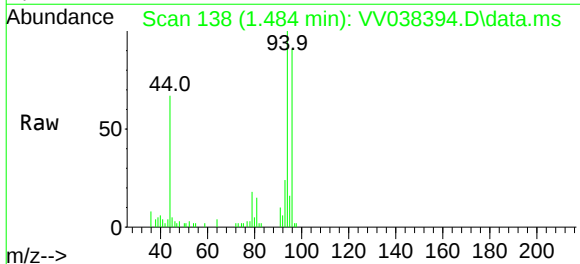
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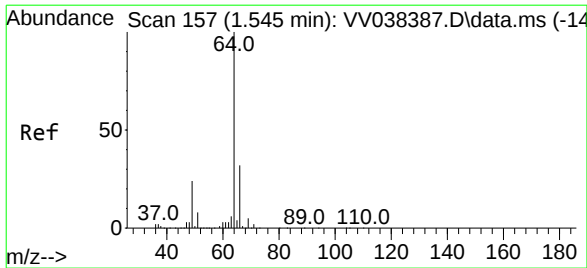
Tgt Ion: 94 Resp: 7782

Ion Ratio Lower Upper

94 100

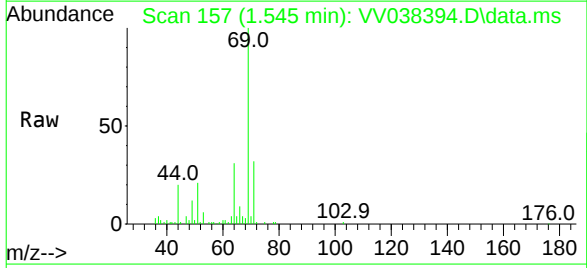
96 91.3 66.1 122.8





#8
Chloroethane
Concen: 2.483 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

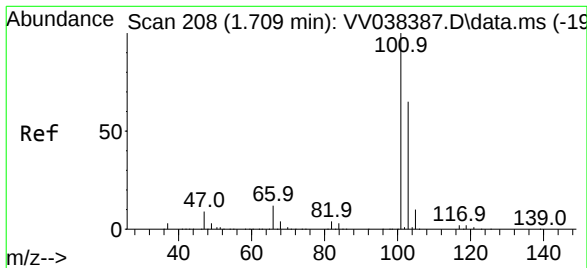
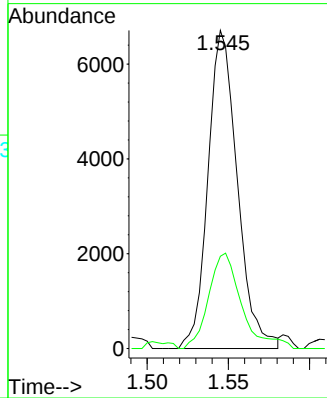
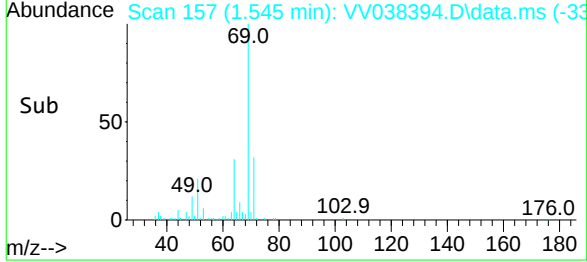
Instrument : MSVOA_V
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Tgt Ion: 64 Resp: 8438
Ion Ratio Lower Upper
64 100
66 29.0 22.3 41.5

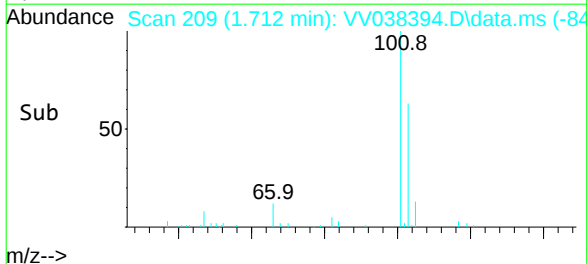
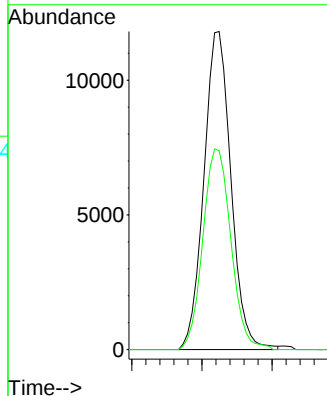
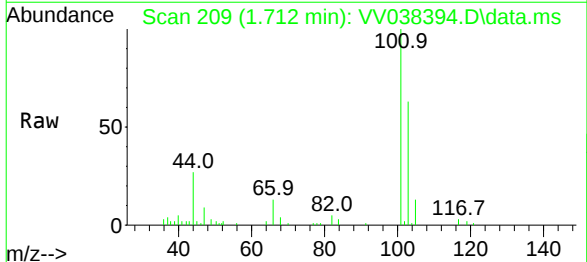
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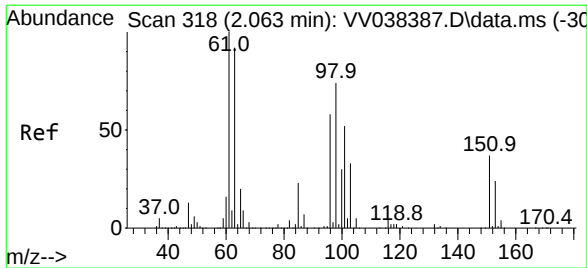
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#9
Trichlorofluoromethane
Concen: 2.235 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

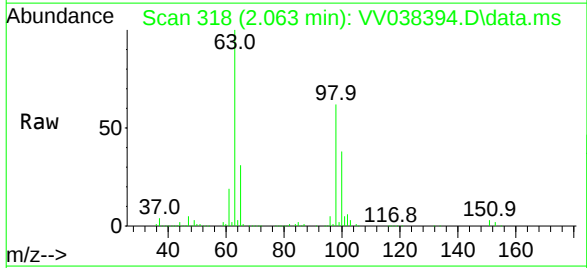
Tgt Ion:101 Resp: 15832
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.883 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

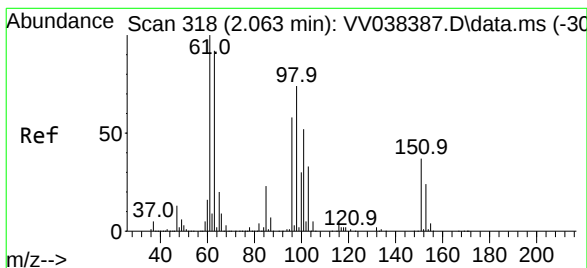
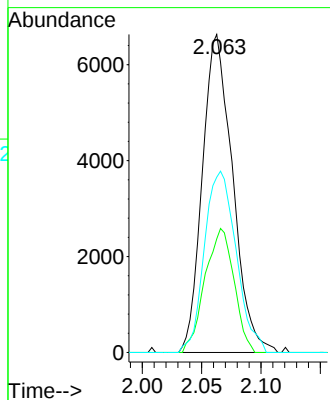
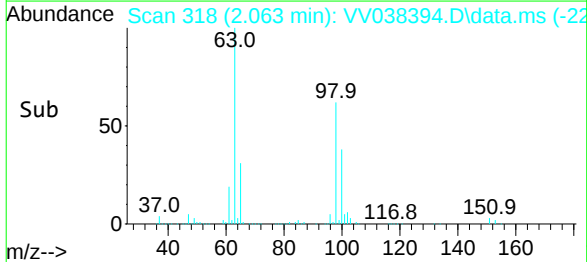
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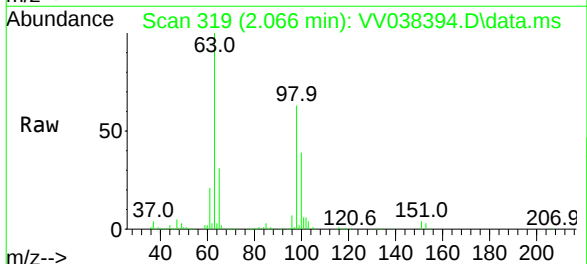
Tgt Ion: 101 Resp: 11760
Ion Ratio Lower Upper
101 100
85 37.4 34.7 52.1
151 59.9 55.3 82.9

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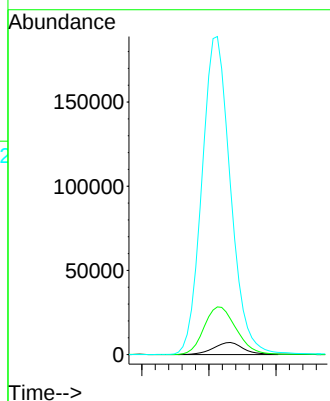
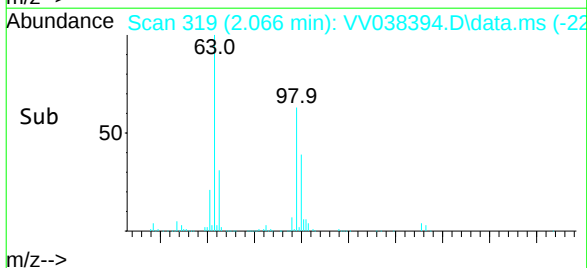
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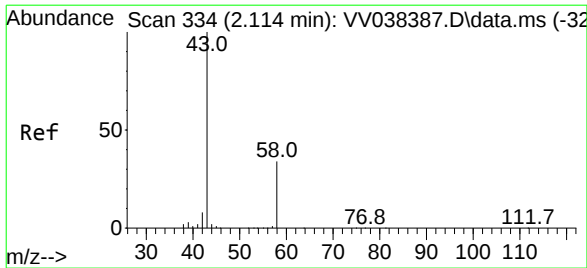


#12
1,1-Dichloroethene
Concen: 2.883 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.003 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24



Tgt Ion: 96 Resp: 11199
Ion Ratio Lower Upper
96 100
61 294.9 120.9 224.5#
63 1403.3 110.9 205.9#





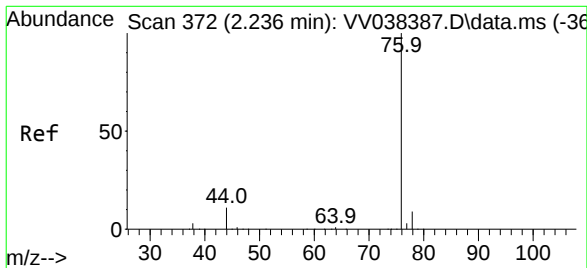
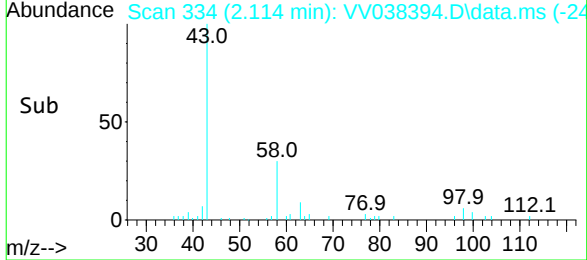
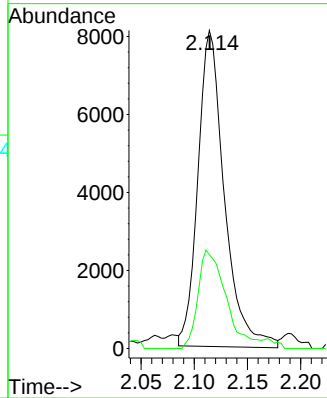
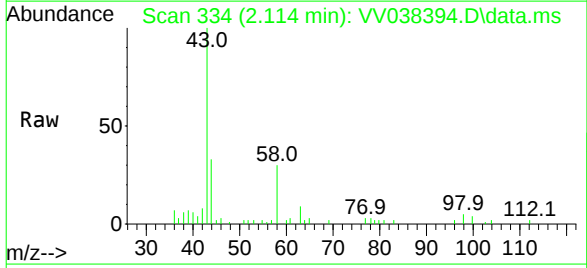
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Acetone
Concen: 4.614 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 13988
Ion Ratio Lower Upper
43 100
58 32.9 0.0 67.2

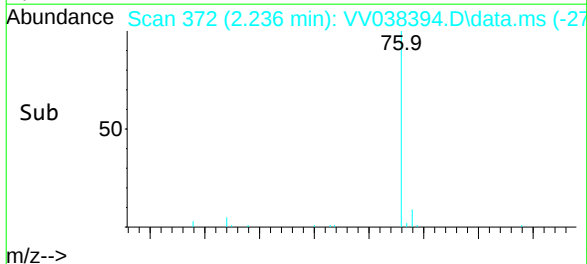
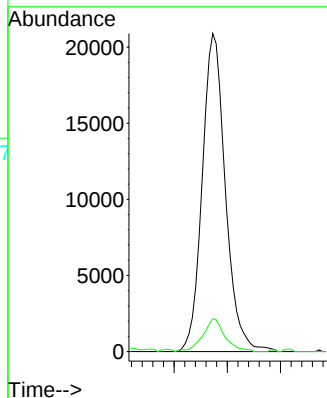
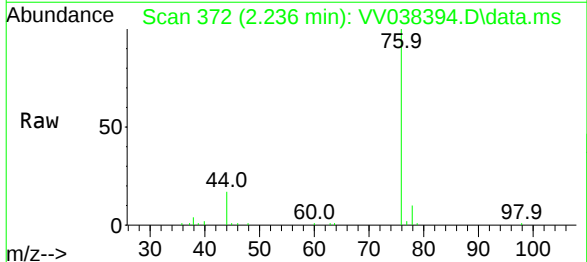
Manual Integrations
APPROVED

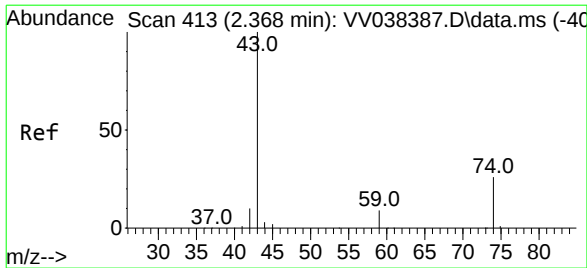
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#14
Carbon disulfide
Concen: 2.474 ug/L
RT: 2.236 min Scan# 372
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion: 76 Resp: 31625
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0





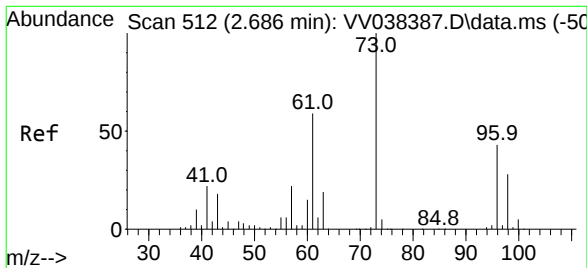
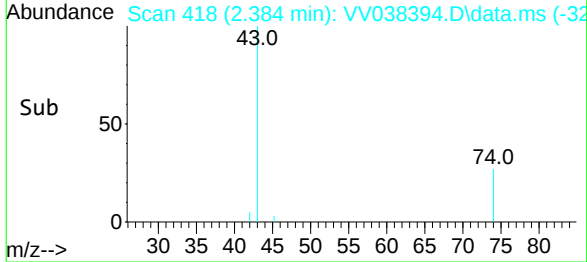
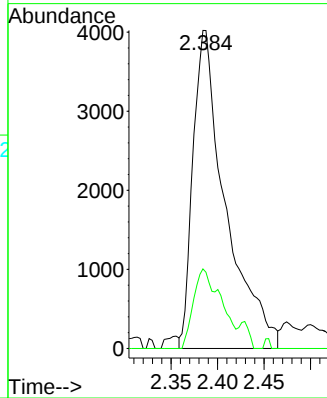
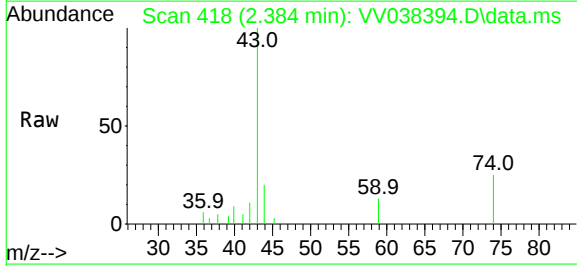
#15
Methyl Acetate
Concen: 2.493 ug/L m
RT: 2.384 min Scan# 41
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion: 43 Resp: 9780
Ion Ratio Lower Upper
43 100
74 0.5 20.6 31.0#

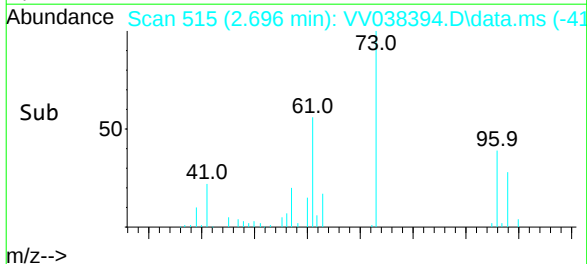
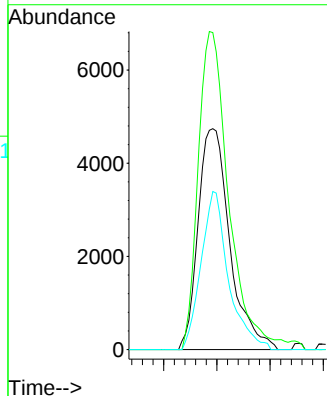
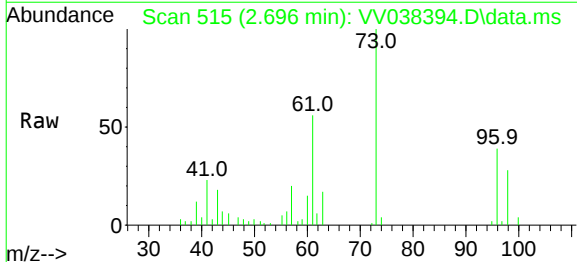
Manual Integrations
APPROVED

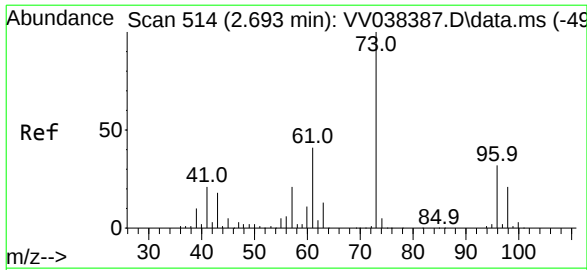
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#17
trans-1,2-Dichloroethene
Concen: 2.321 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion: 96 Resp: 9832
Ion Ratio Lower Upper
96 100
61 143.5 95.7 177.7
98 71.6 46.4 86.2





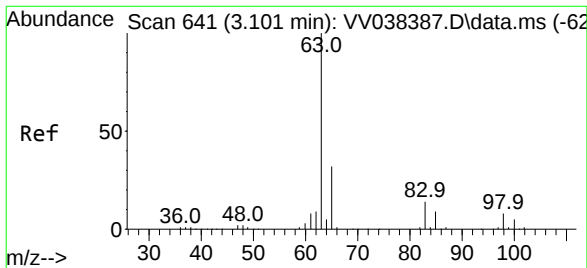
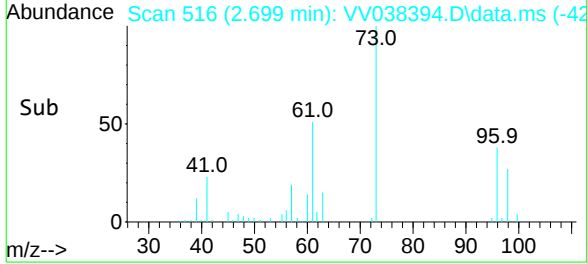
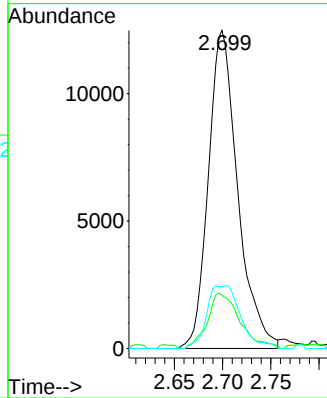
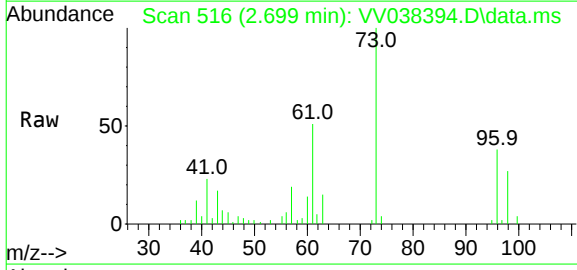
#18
Methyl tert-butyl Ether
Concen: 2.158 ug/L
RT: 2.699 min Scan# 514
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.1	14.7	22.1
57	11.0	17.7	26.5

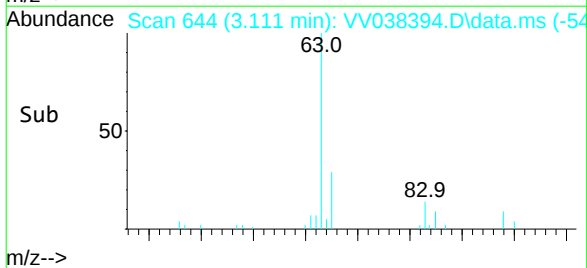
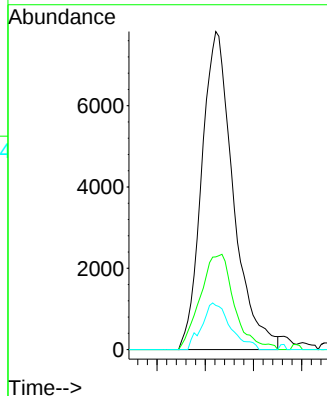
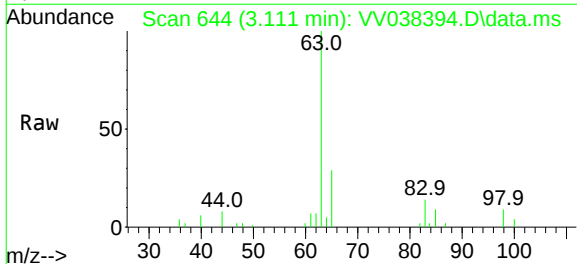
Manual Integrations
APPROVED

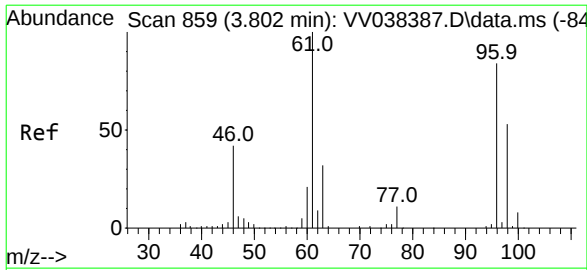
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#19
1,1-Dichloroethane
Concen: 2.290 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

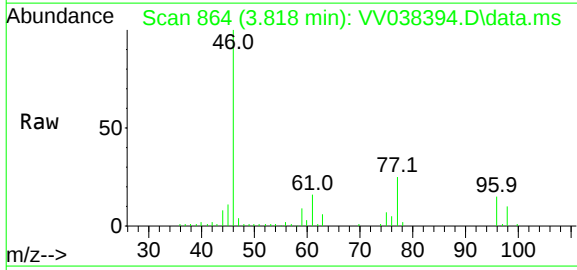
Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.2	22.6	42.0
83	15.7	9.8	18.2





#20
cis-1,2-Dichloroethene
Concen: 2.325 ug/L
RT: 3.818 min Scan# 86
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

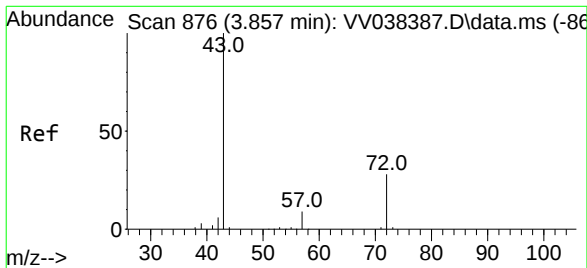
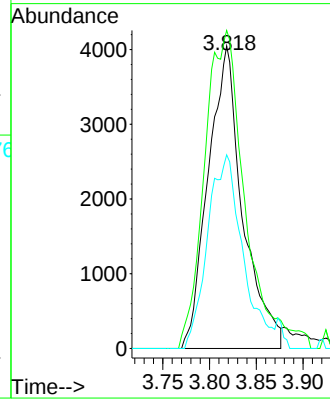
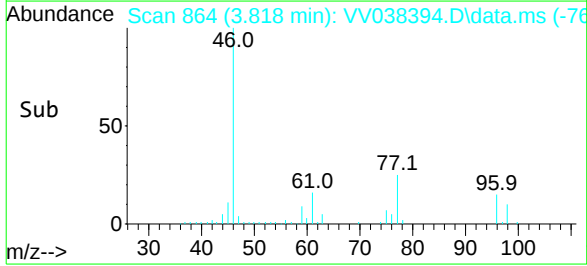
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 96 Resp: 10359
Ion Ratio Lower Upper
96 100
61 105.1 83.5 155.1
98 64.0 44.6 82.8

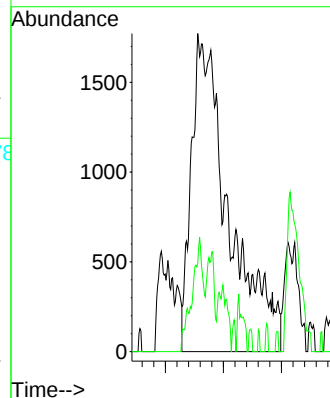
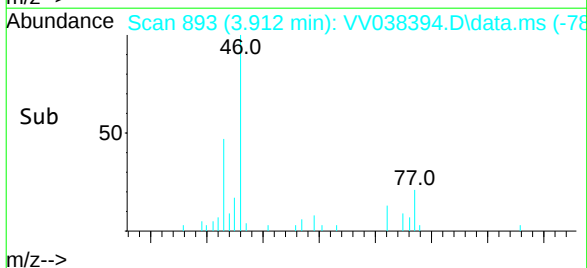
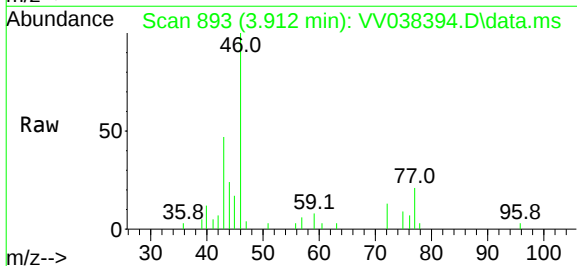
Manual Integrations
APPROVED

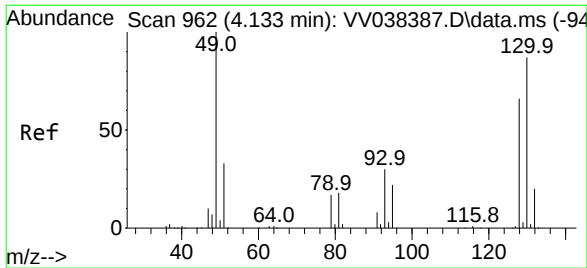
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#22
2-Butanone
Concen: 5.485 ug/L m
RT: 3.912 min Scan# 893
Delta R.T. 0.055 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

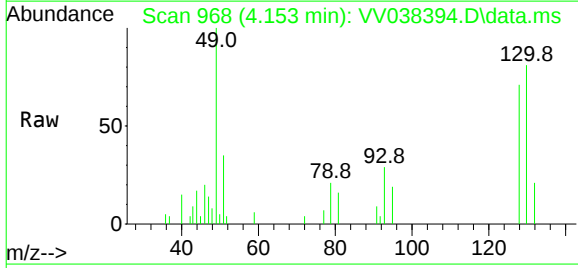
Tgt Ion: 43 Resp: 15801
Ion Ratio Lower Upper
43 100
72 0.6 12.5 37.5#





#23
Bromochloromethane
Concen: 2.161 ug/L
RT: 4.153 min Scan# 96
Delta R.T. 0.019 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

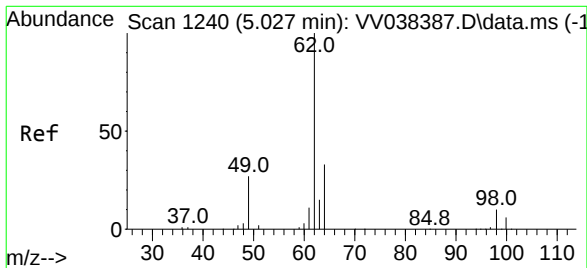
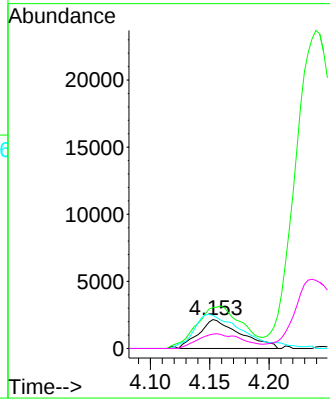
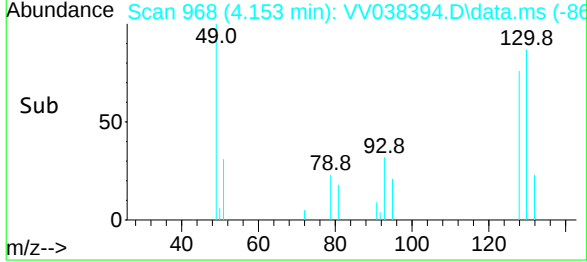
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 128 Resp: 5233
Ion Ratio Lower Upper
128 100
49 141.8 106.7 198.3
130 114.4 93.2 173.2
51 54.7 40.2 60.4

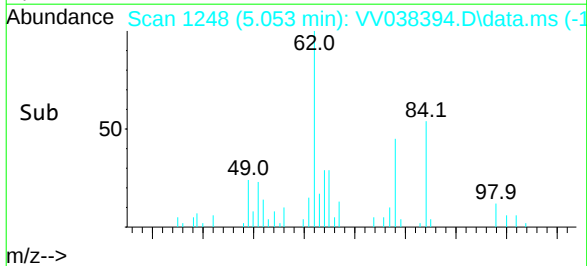
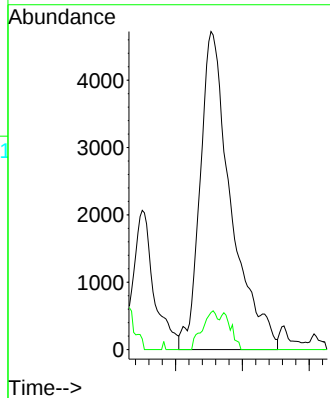
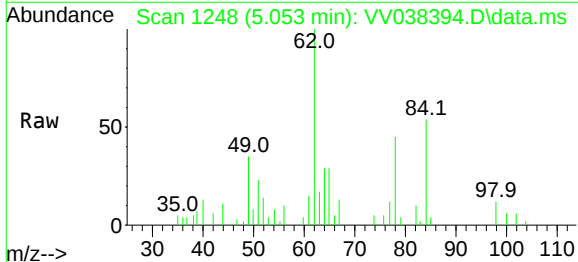
Manual Integrations
APPROVED

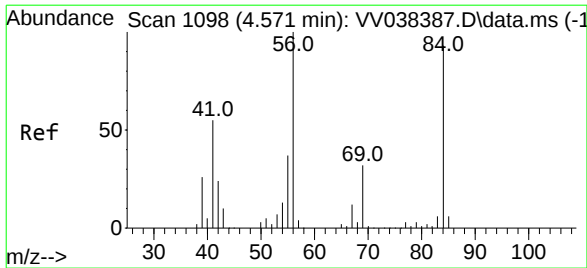
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#27
1,2-Dichloroethane
Concen: 2.559 ug/L m
RT: 5.053 min Scan# 1248
Delta R.T. 0.026 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion: 62 Resp: 15135
Ion Ratio Lower Upper
62 100
98 11.6 7.5 11.3#





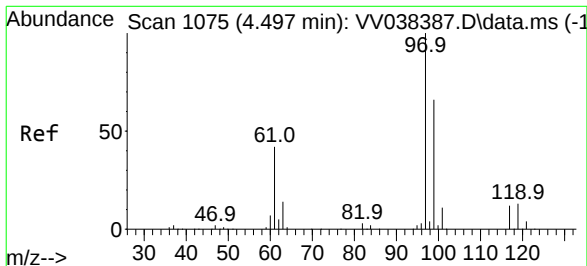
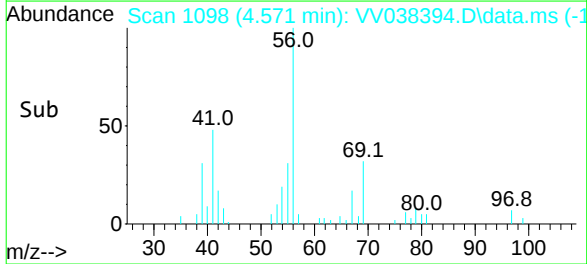
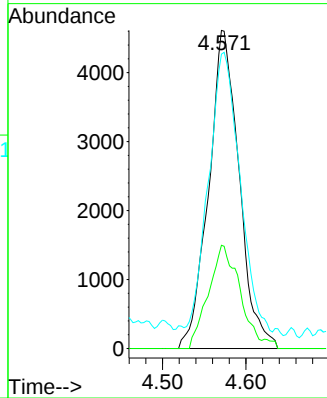
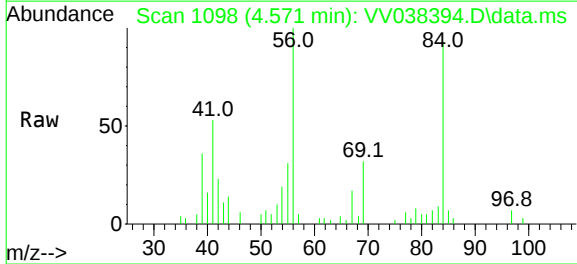
#29
Cyclohexane
Concen: 1.957 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.8	37.2
84	90.6	73.7	110.5

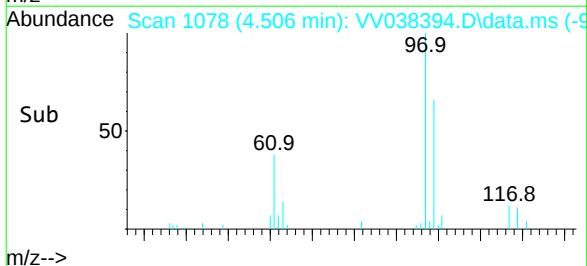
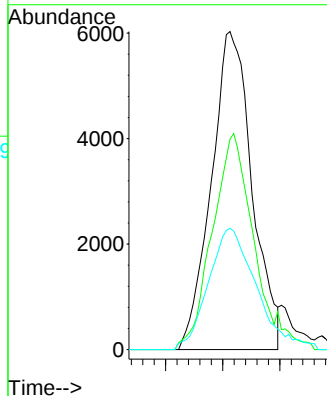
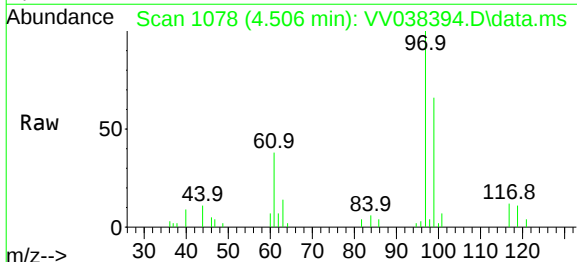
Manual Integrations
APPROVED

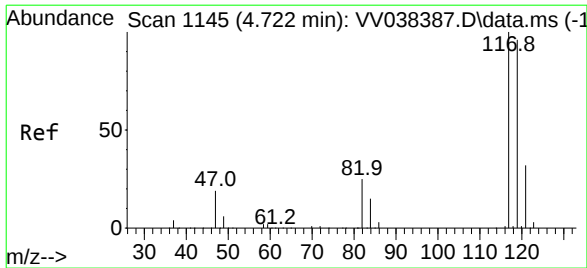
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#30
1,1,1-Trichloroethane
Concen: 2.128 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

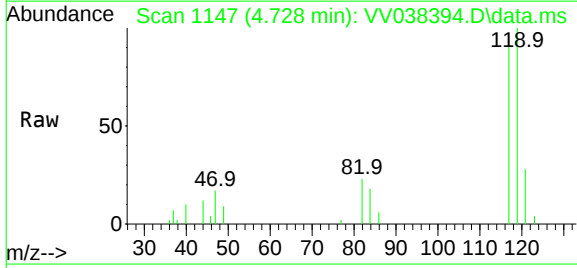
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.3	78.5
61	43.6	33.6	50.4





#31
Carbon tetrachloride
Concen: 2.256 ug/L m
RT: 4.728 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

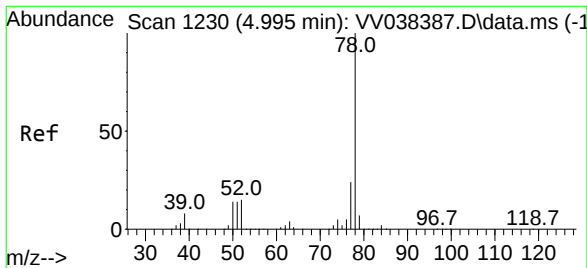
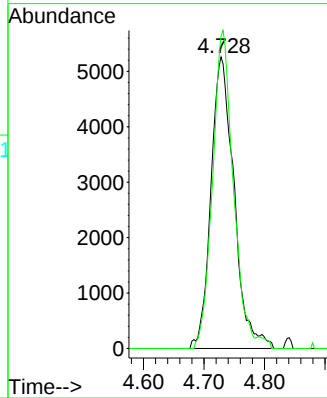
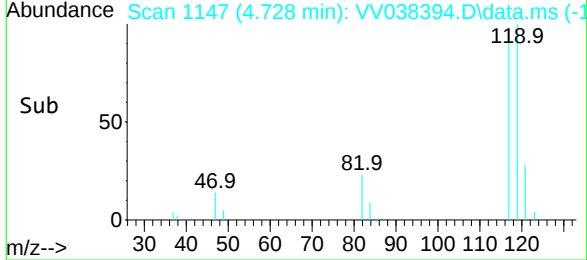
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 117 Resp: 13925
Ion Ratio Lower Upper
117 100
119 97.7 77.7 116.5

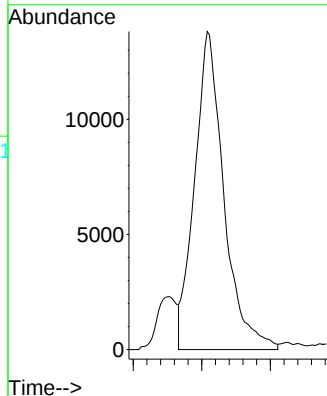
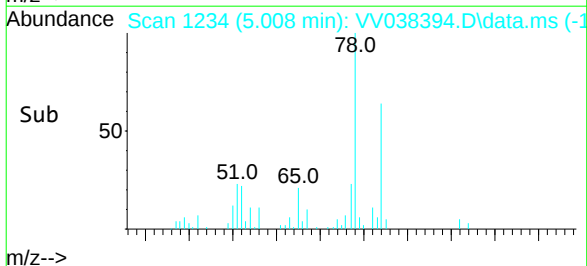
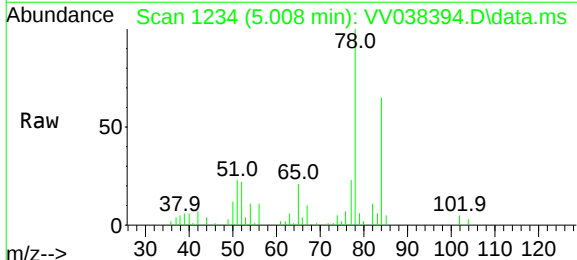
Manual Integrations
APPROVED

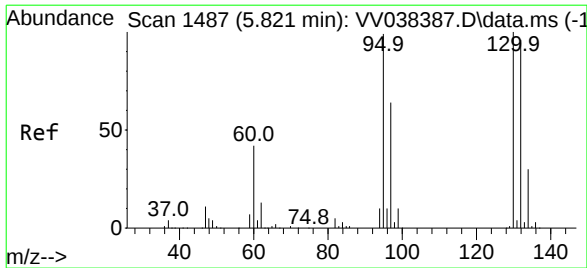
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#33
Benzene
Concen: 2.432 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

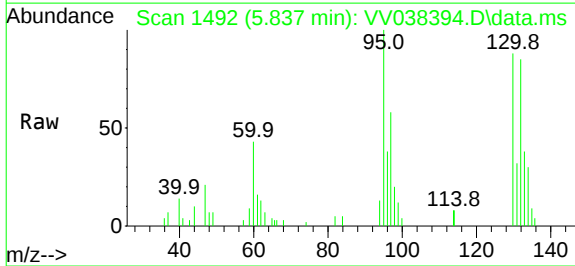
Tgt Ion: 78 Resp: 40799





#34
Trichloroethene
Concen: 2.517 ug/L m
RT: 5.837 min Scan# 1487
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

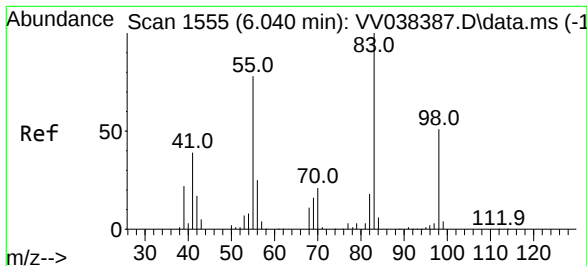
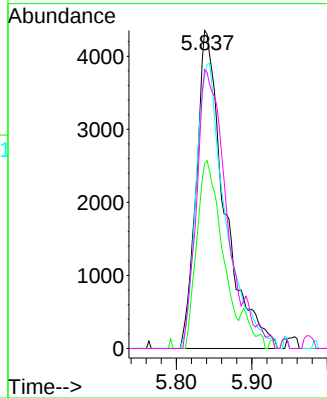
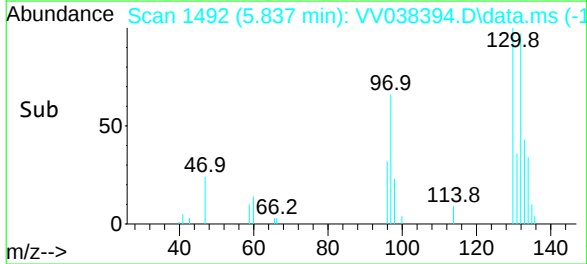
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 95 Resp: 11281
Ion Ratio Lower Upper
95 100
97 58.1 45.6 84.8
132 85.5 67.6 125.6
130 87.7 70.8 131.6

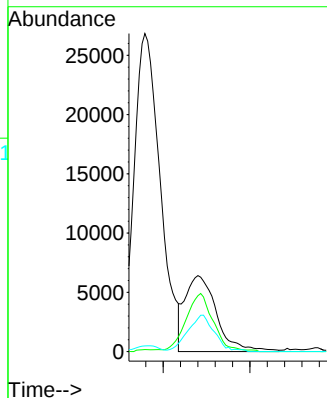
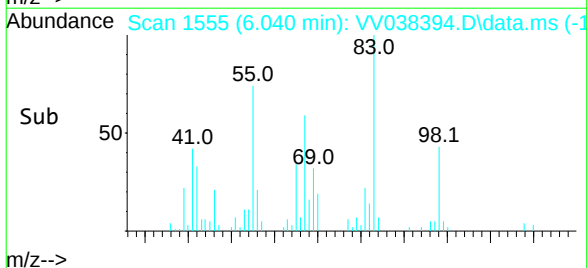
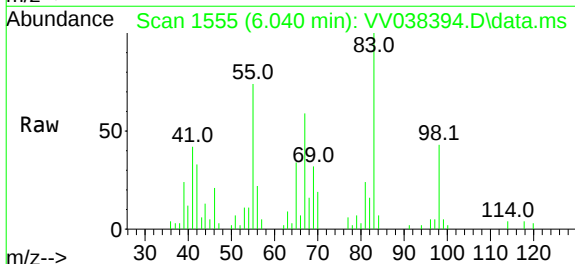
Manual Integrations
APPROVED

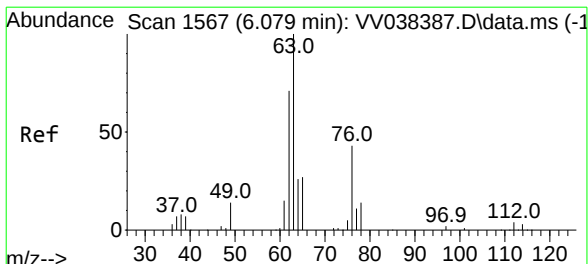
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#35
Methylcyclohexane
Concen: 2.515 ug/L m
RT: 6.040 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

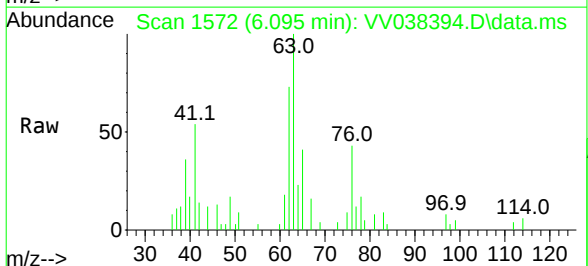
Tgt Ion: 83 Resp: 16188
Ion Ratio Lower Upper
83 100
55 63.0 59.0 88.6
98 39.7 39.5 59.3





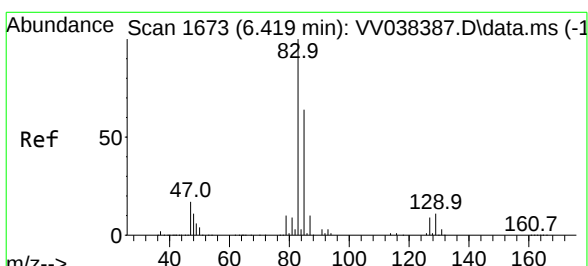
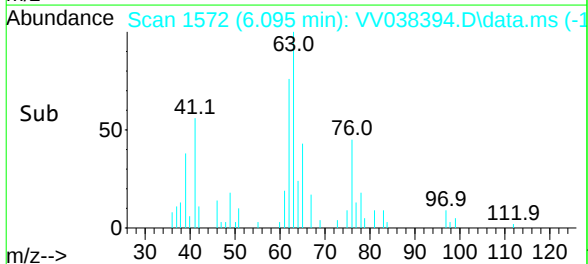
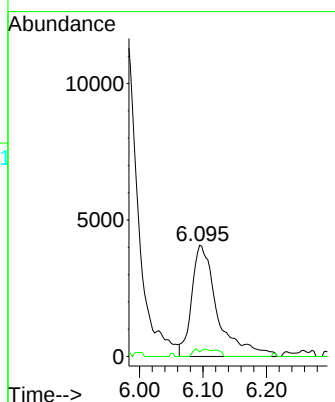
#37
 1,2-Dichloropropane
 Concen: 2.635 ug/L m
 RT: 6.095 min Scan# 15
 Delta R.T. 0.016 min
 Lab File: VV038394.D
 Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT4-2024-07



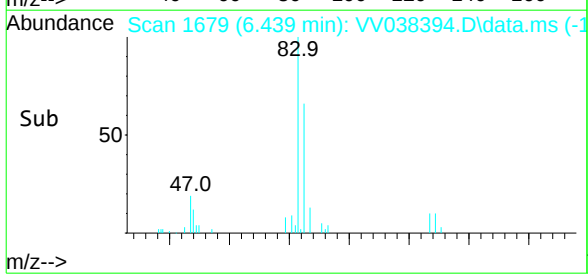
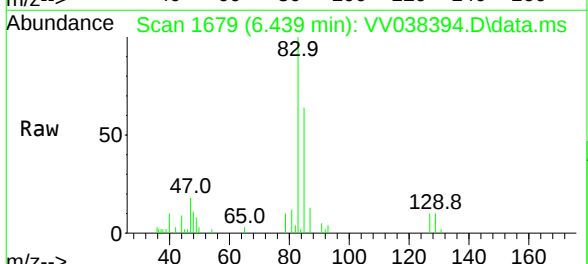
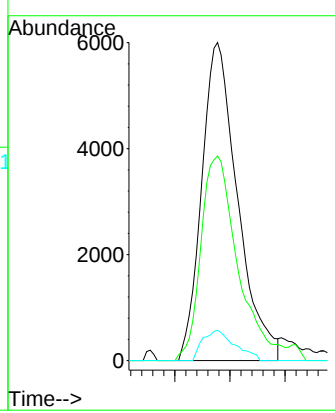
Tgt Ion: 63 Resp: 11493
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.8 5.6#

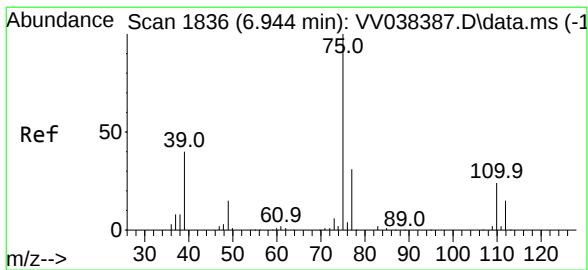
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024



#38
 Bromodichloromethane
 Concen: 2.246 ug/L
 RT: 6.439 min Scan# 1679
 Delta R.T. 0.019 min
 Lab File: VV038394.D
 Acq: 02 Dec 2024 17:24

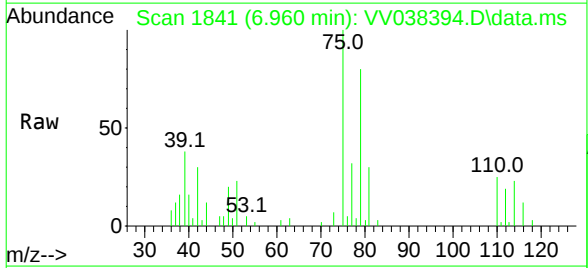
Tgt Ion: 83 Resp: 13595
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.5
 127 9.5 6.8 10.2





#39
 cis-1,3-Dichloropropene
 Concen: 2.360 ug/L m
 RT: 6.960 min Scan# 1836
 Delta R.T. 0.016 min
 Lab File: VV038394.D
 Acq: 02 Dec 2024 17:24

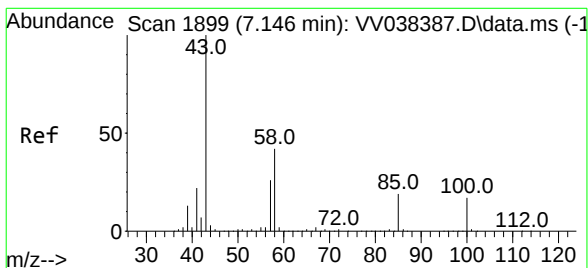
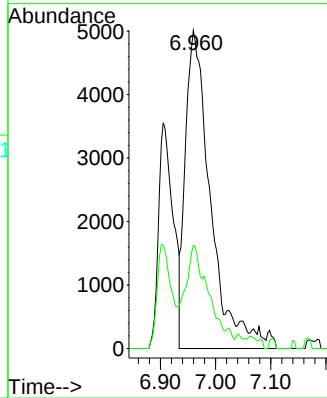
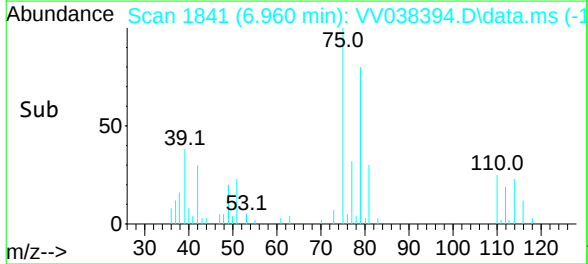
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 75 Resp: 15971
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.9 40.7

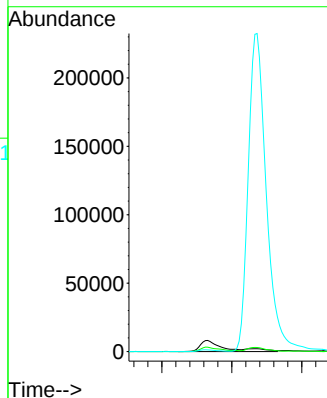
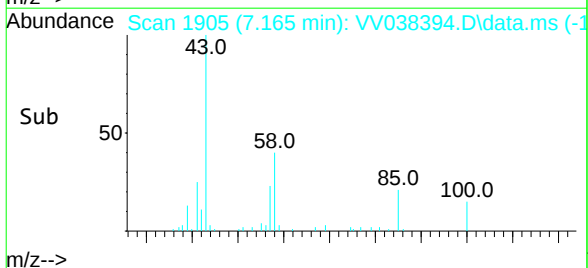
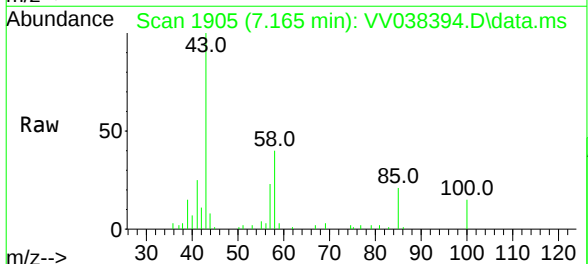
Manual Integrations
 APPROVED

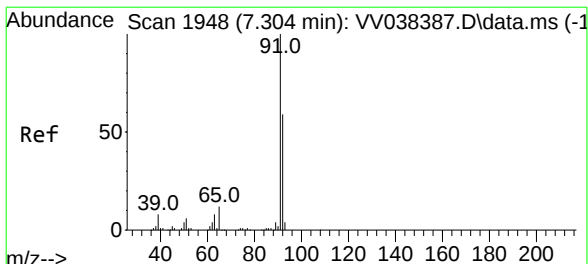
Reviewed By :Mahesh Dadoda 12/03/2024
 Supervised By :Semsettin Yesilyurt 12/04/2024



#40
 4-Methyl-2-pentanone
 Concen: 4.243 ug/L m
 RT: 7.165 min Scan# 1905
 Delta R.T. 0.019 min
 Lab File: VV038394.D
 Acq: 02 Dec 2024 17:24

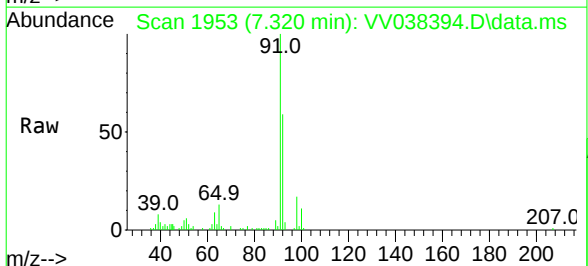
Tgt Ion: 43 Resp: 20715
 Ion Ratio Lower Upper
 43 100
 58 29.0 32.7 49.1#
 100 11.5 13.7 20.5#





#42
Toluene
Concen: 2.268 ug/L
RT: 7.320 min Scan# 19
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

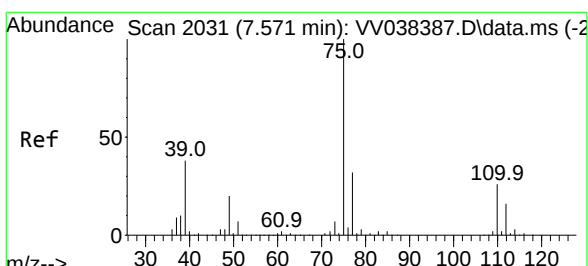
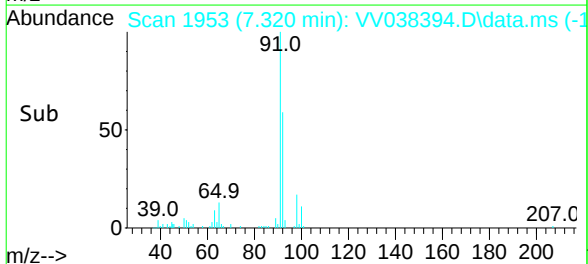
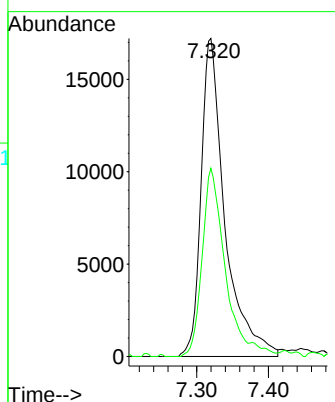
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	41.2	76.4

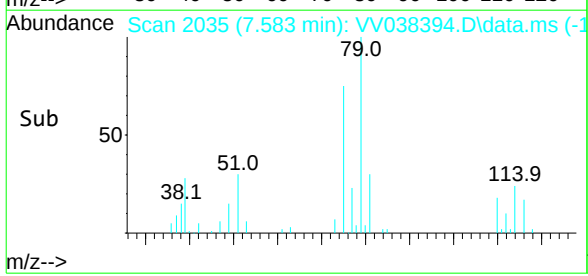
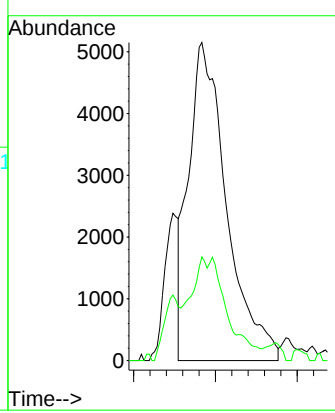
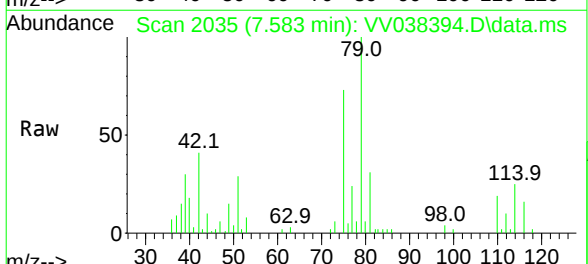
Manual Integrations
APPROVED

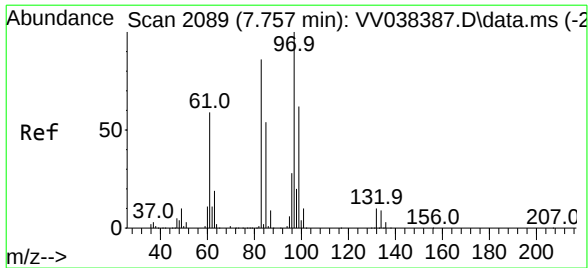
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#44
trans-1,3-Dichloropropene
Concen: 2.552 ug/L m
RT: 7.583 min Scan# 2035
Delta R.T. 0.013 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

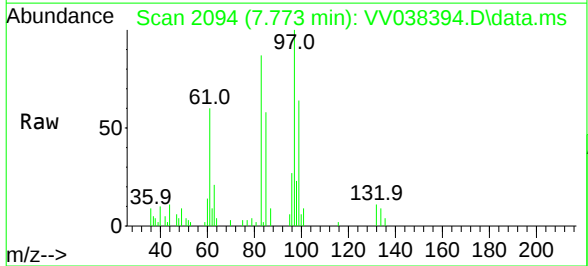
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	22.7	42.1





#45
1,1,2-Trichloroethane
Concen: 2.199 ug/L
RT: 7.773 min Scan# 2089
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

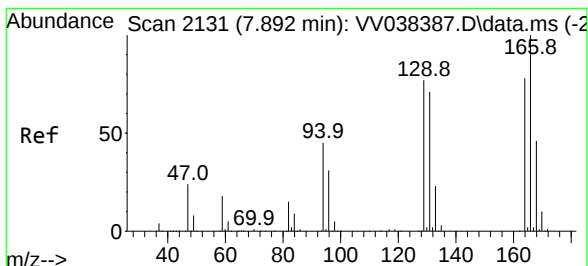
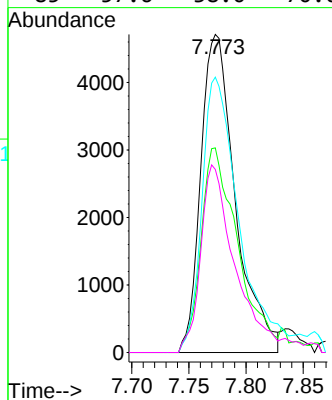
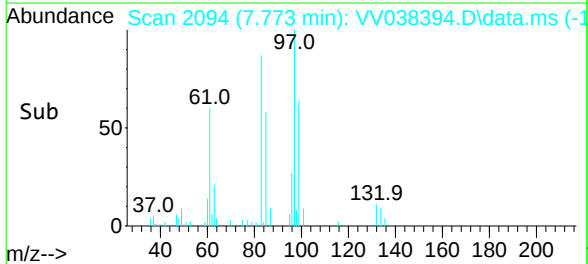
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion:	97	Resp:	9954
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.6	81.0
83	86.6	60.5	112.5
85	57.6	38.0	70.6

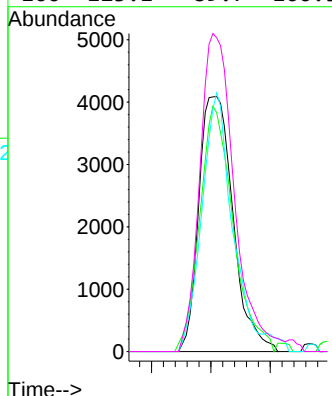
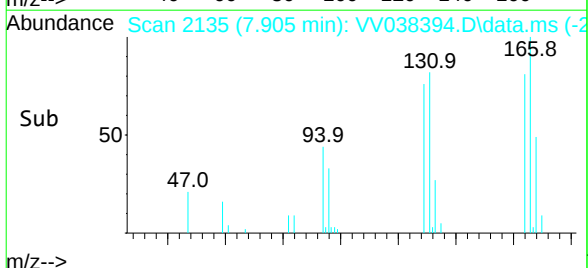
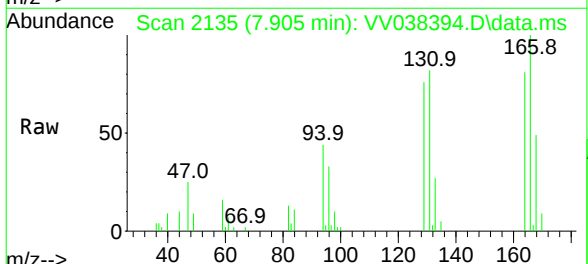
Manual Integrations
APPROVED

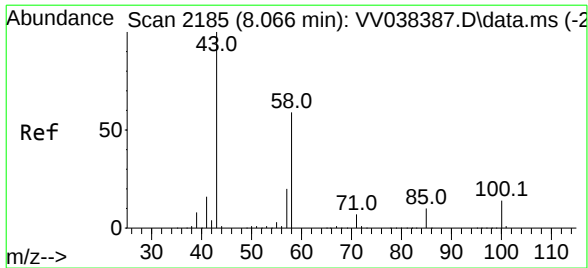
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#46
Tetrachloroethene
Concen: 2.360 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.013 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

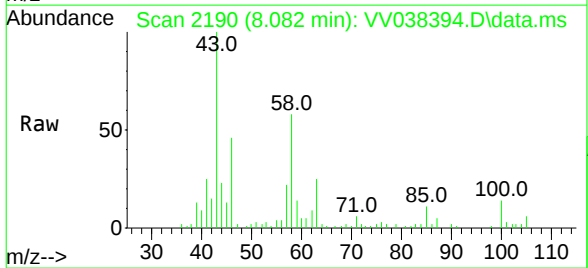
Tgt Ion:	164	Resp:	8164
Ion	Ratio	Lower	Upper
164	100		
129	93.6	69.2	128.4
131	101.4	63.1	117.3
166	123.1	89.7	166.5





#48
2-Hexanone
Concen: 8.348 ug/L m
RT: 8.082 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

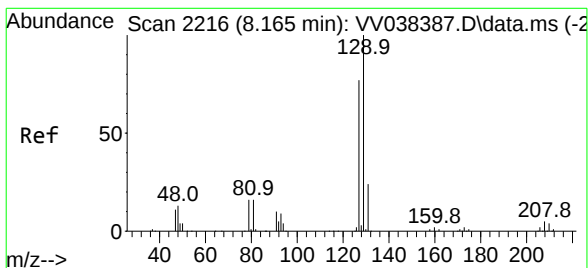
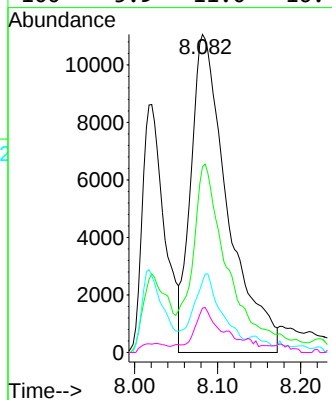
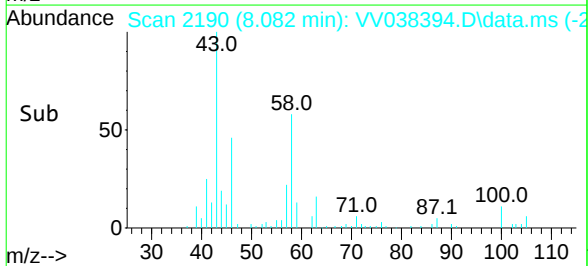
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.8	48.0	72.0
57	17.5	15.5	23.3
100	5.9	11.0	16.4

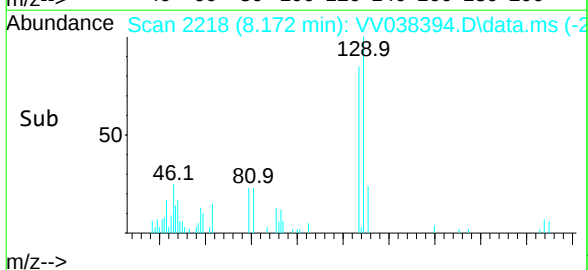
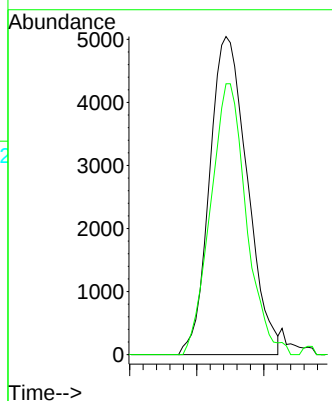
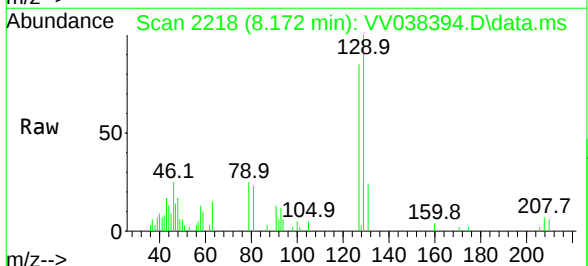
Manual Integrations
APPROVED

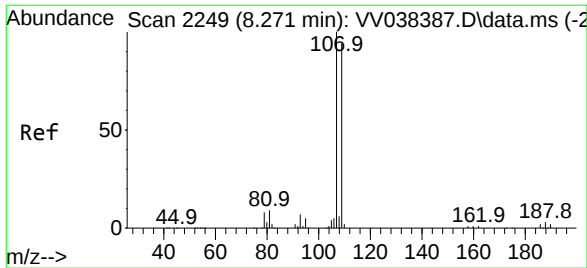
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#49
Dibromochloromethane
Concen: 2.110 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

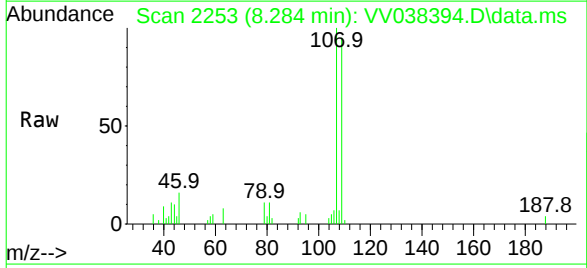
Tgt Ion	Ratio	Lower	Upper
129	100		
127	85.2	53.8	100.0





#50
1,2-Dibromoethane
Concen: 2.209 ug/L
RT: 8.284 min Scan# 2249
Delta R.T. 0.013 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

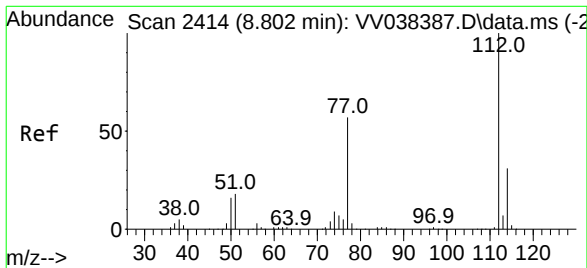
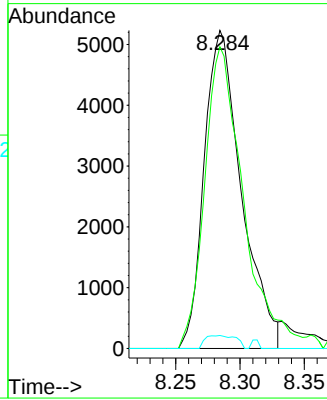
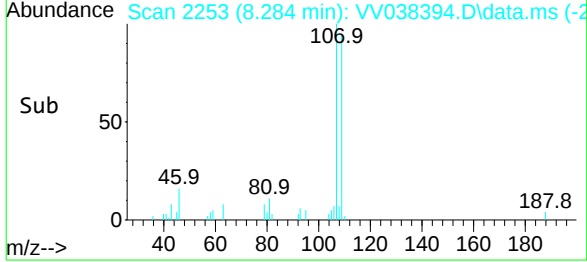
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	66.1	122.7
188	4.1	2.6	3.8

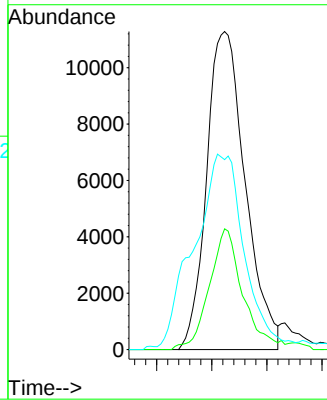
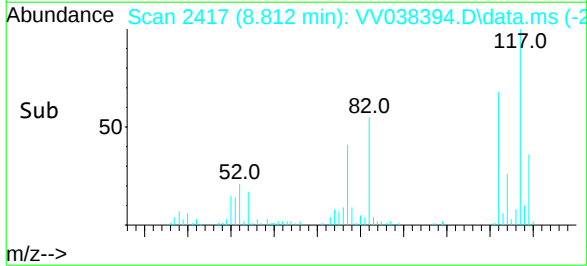
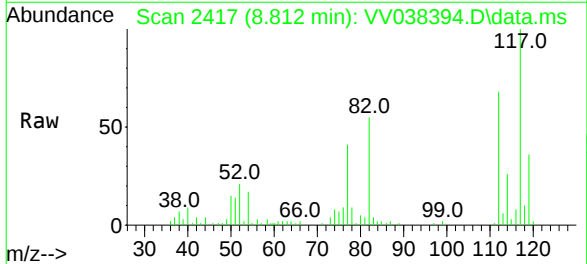
Manual Integrations
APPROVED

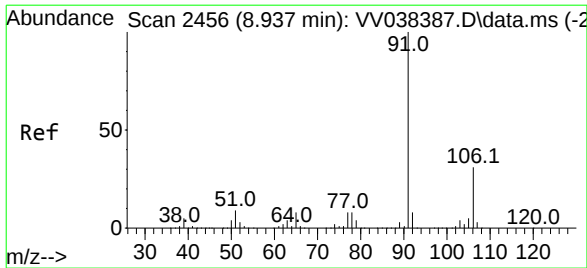
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#51
Chlorobenzene
Concen: 2.294 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

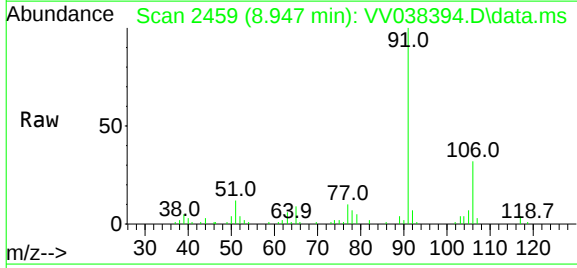
Tgt Ion	Ratio	Lower	Upper
112	100		
114	38.0	21.9	40.7
77	59.7	45.4	68.0





#52
Ethylbenzene
Concen: 2.053 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

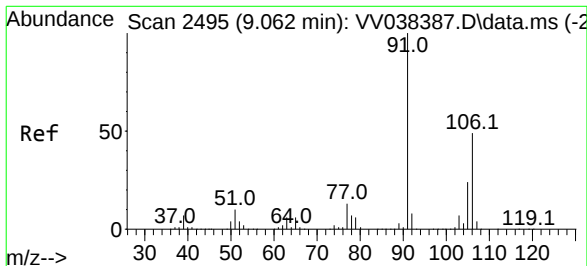
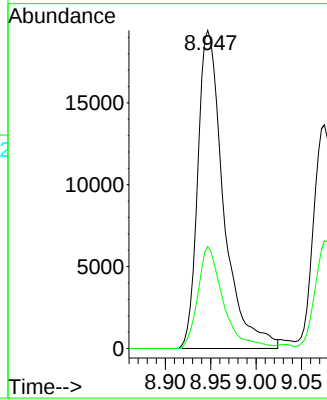
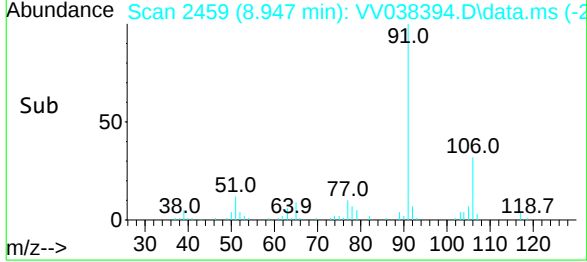
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion: 91 Resp: 38374
Ion Ratio Lower Upper
91 100
106 32.1 21.6 40.0

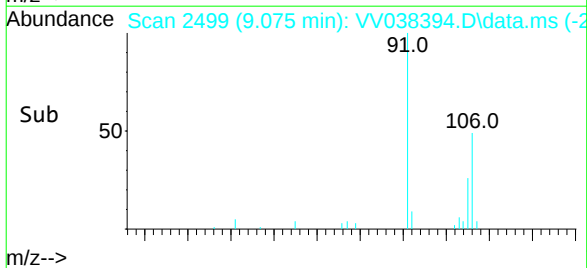
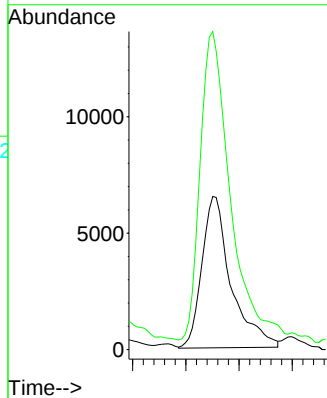
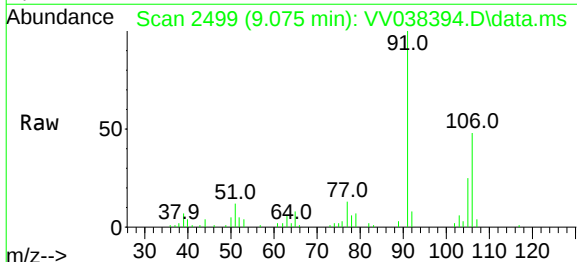
Manual Integrations
APPROVED

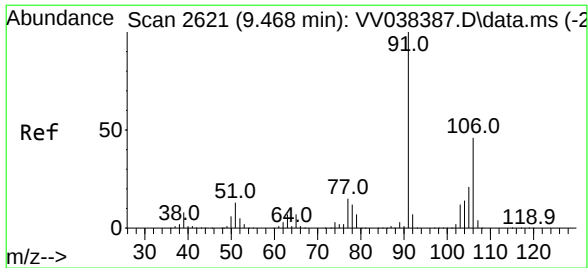
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#53
m,p-Xylene
Concen: 1.753 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion:106 Resp: 12418
Ion Ratio Lower Upper
106 100
91 207.8 142.6 264.8





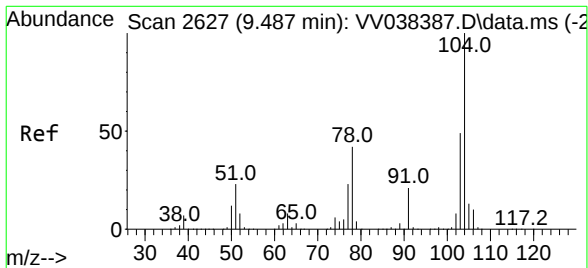
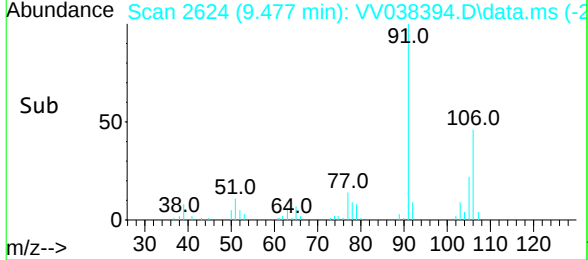
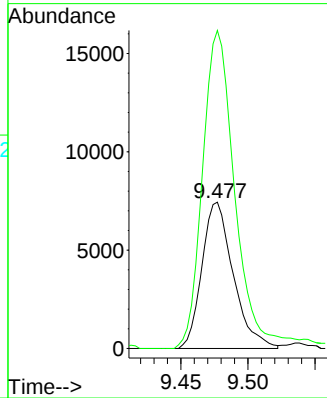
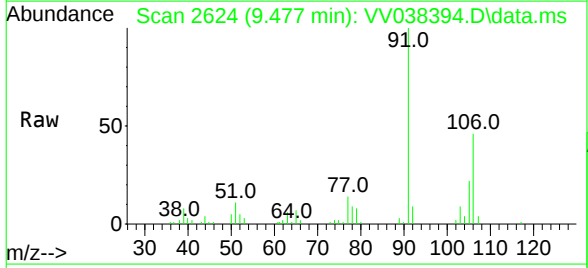
#54
o-Xylene
Concen: 1.772 ug/L
RT: 9.477 min Scan# 2621
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion:106 Resp: 12081
Ion Ratio Lower Upper
106 100
91 217.4 151.1 280.7

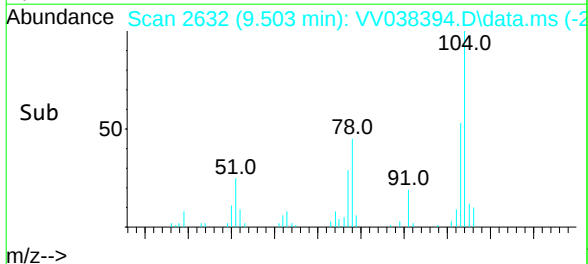
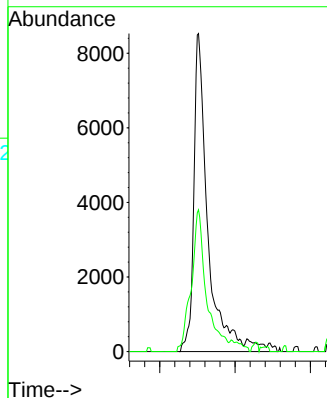
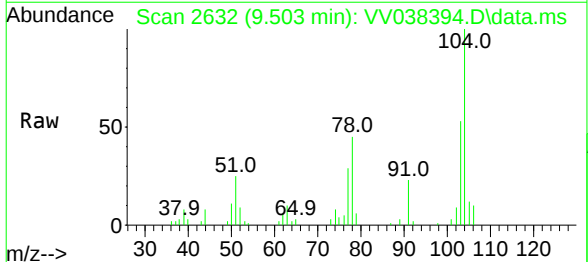
Manual Integrations
APPROVED

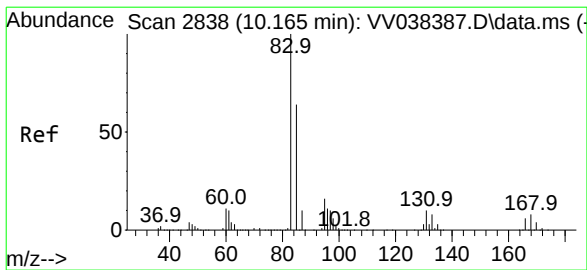
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#55
Styrene
Concen: 1.860 ug/L m
RT: 9.503 min Scan# 2632
Delta R.T. 0.016 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

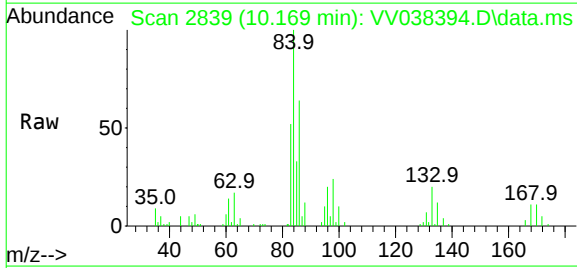
Tgt Ion:104 Resp: 22254
Ion Ratio Lower Upper
104 100
78 44.6 29.7 55.1





#57
1,1,2,2-Tetrachloroethane
Concen: 2.410 ug/L
RT: 10.169 min Scan# 2838
Delta R.T. 0.003 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

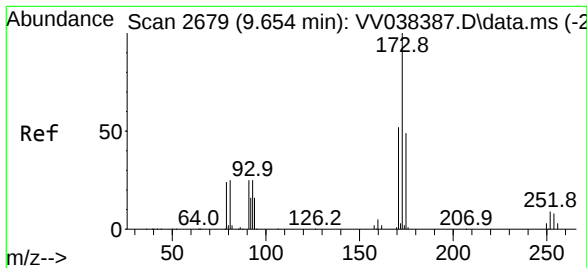
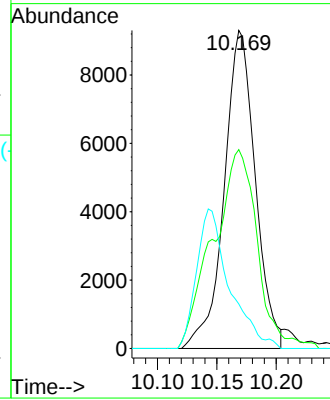
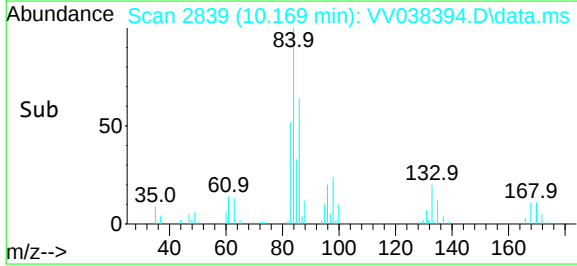
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion:	83	Resp:	16944
Ion	Ratio	Lower	Upper
83	100		
85	62.5	44.7	82.9
131	18.7	8.0	12.0#

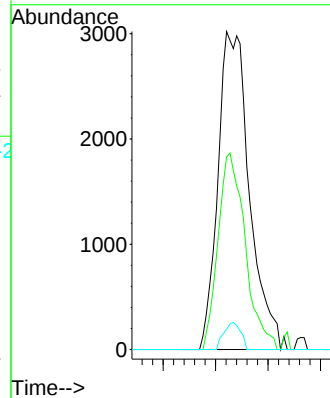
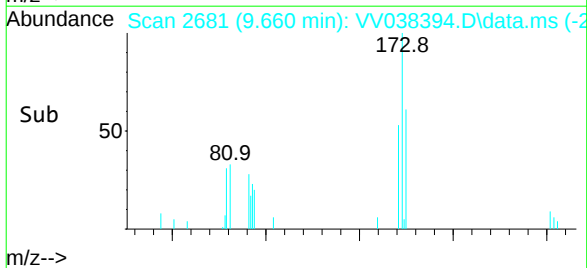
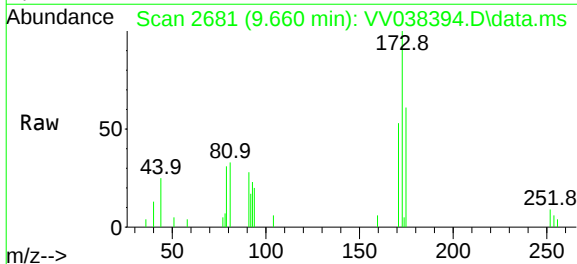
Manual Integrations
APPROVED

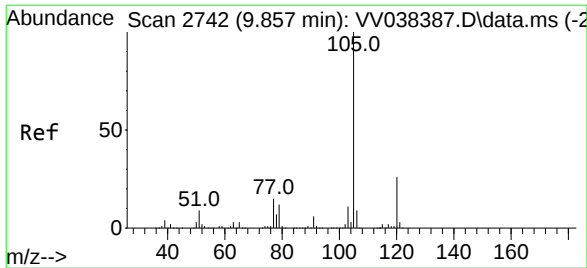
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#59
Bromoform
Concen: 2.228 ug/L m
RT: 9.660 min Scan# 2681
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

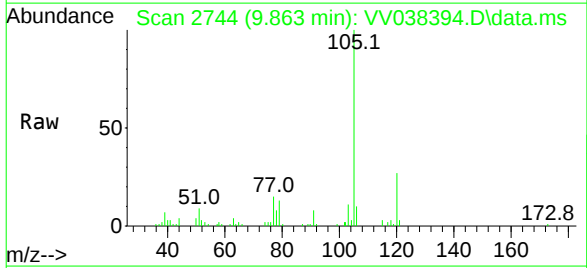
Tgt Ion:	173	Resp:	6280
Ion	Ratio	Lower	Upper
173	100		
175	53.4	38.8	58.2
254	4.6	6.9	10.3#





#60
Isopropylbenzene
Concen: 1.955 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

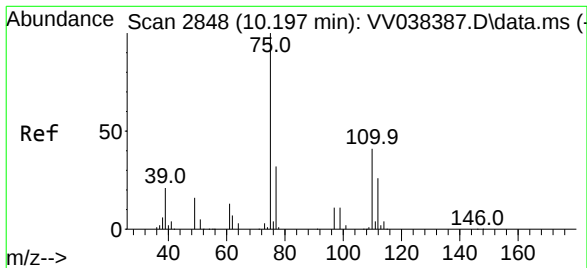
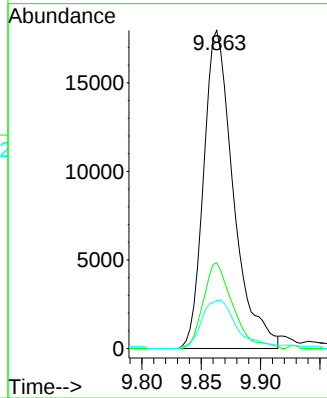
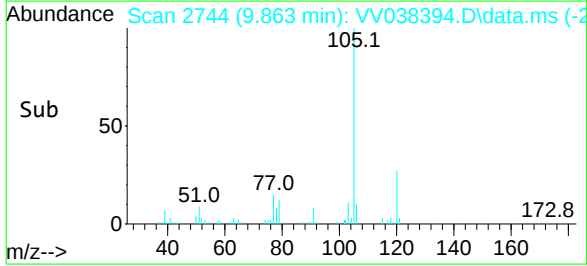
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07



Tgt Ion:	105	Resp:	31345
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.0	31.4
77	18.0	12.2	18.4

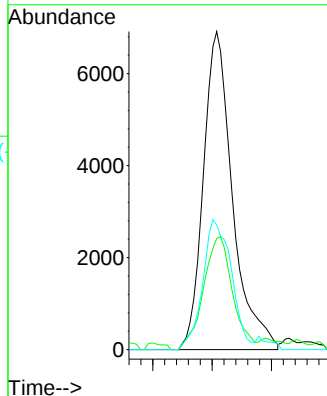
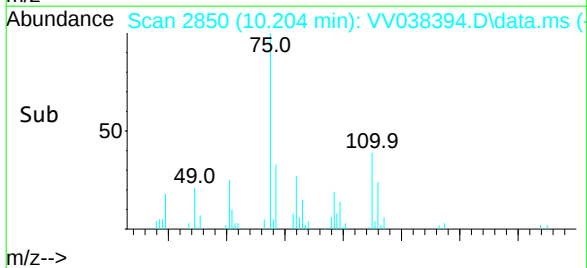
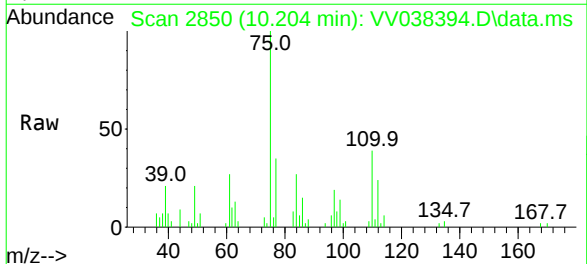
Manual Integrations
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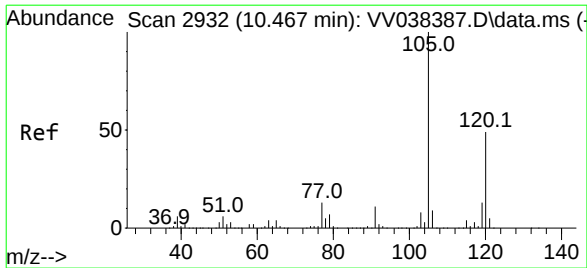
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#61
1,2,3-Trichloropropane
Concen: 2.584 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion:	75	Resp:	11798
Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.8	38.6
110	40.1	32.2	48.4





#62

1,3,5-Trimethylbenzene

Concen: 1.911 ug/L

RT: 10.471 min Scan# 29

Delta R.T. 0.003 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

Tgt Ion:105 Resp: 24590

Ion Ratio Lower Upper

105 100

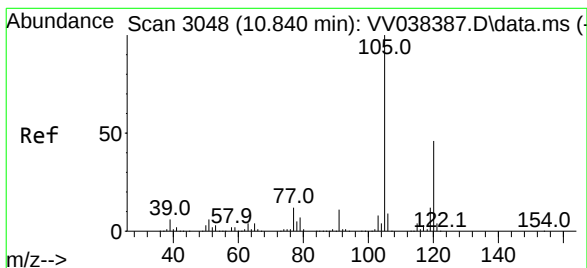
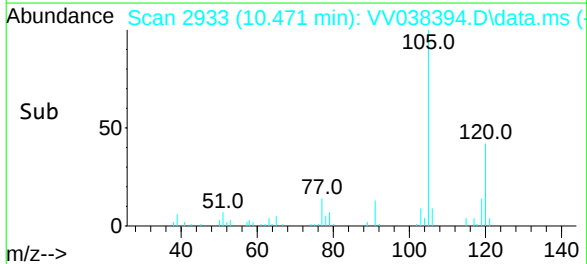
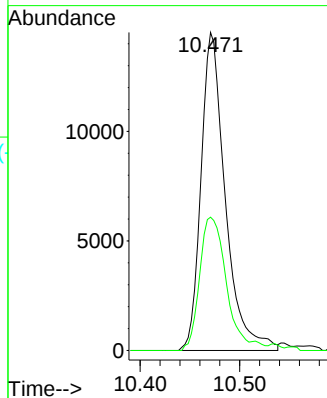
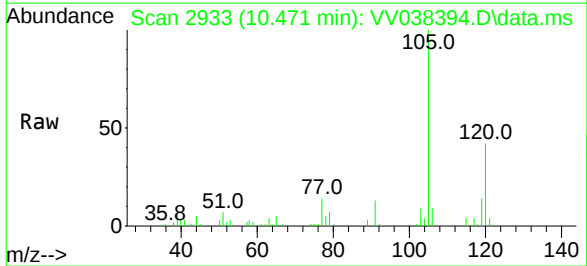
120 45.1 39.1 58.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024

Supervised By :Semsettin Yesilyurt 12/04/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.716 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VV038394.D

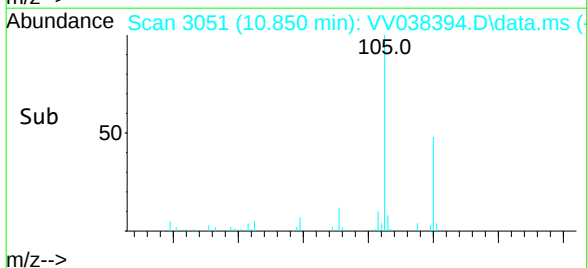
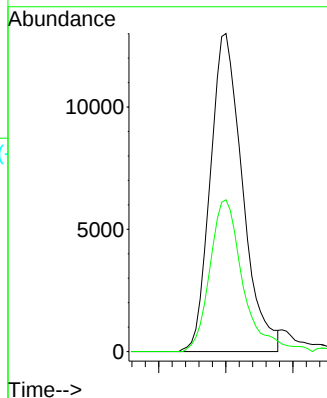
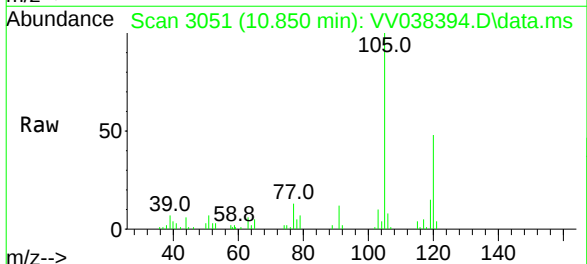
Acq: 02 Dec 2024 17:24

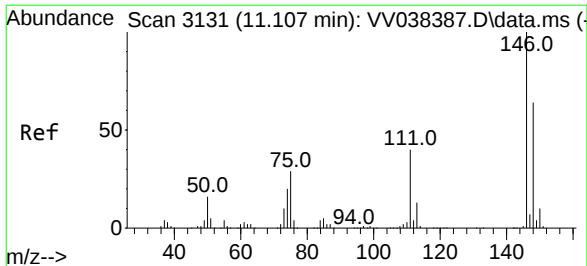
Tgt Ion:105 Resp: 21702

Ion Ratio Lower Upper

105 100

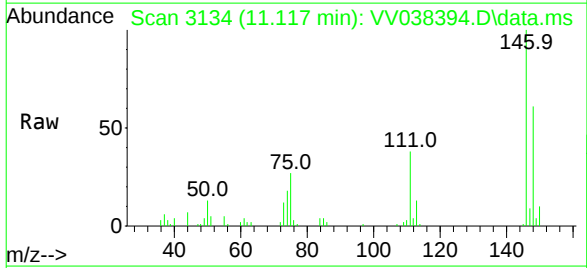
120 49.0 36.6 55.0





#64
1,3-Dichlorobenzene
Concen: 2.313 ug/L
RT: 11.117 min Scan# 311
Delta R.T. 0.010 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

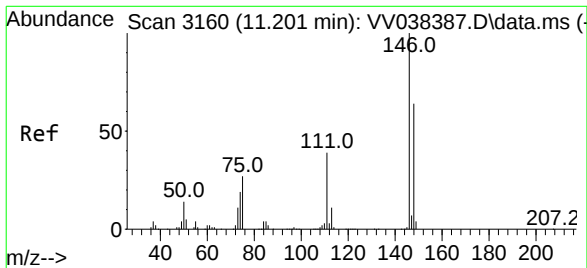
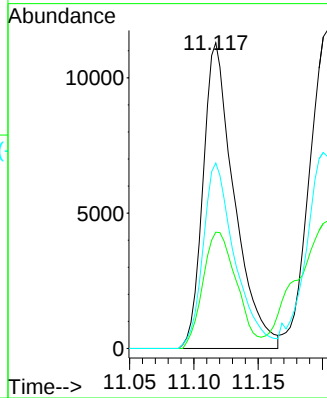
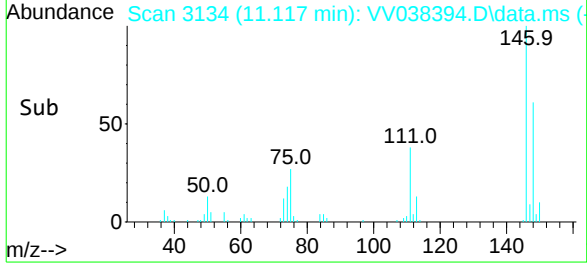
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT4-2024-07



Tgt Ion:146 Resp: 19040
Ion Ratio Lower Upper
146 100
111 38.0 27.8 51.6
148 60.7 45.1 83.7

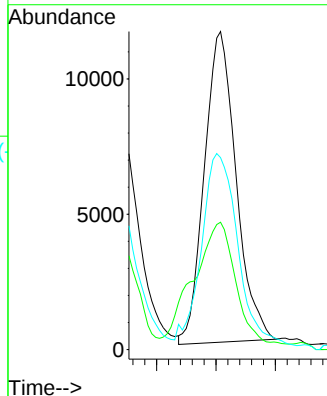
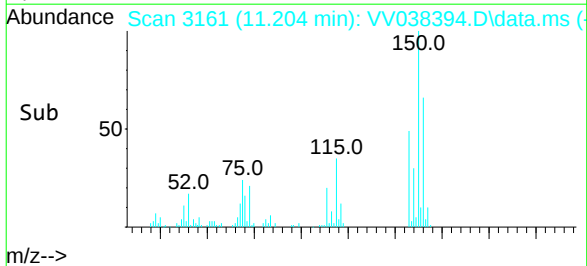
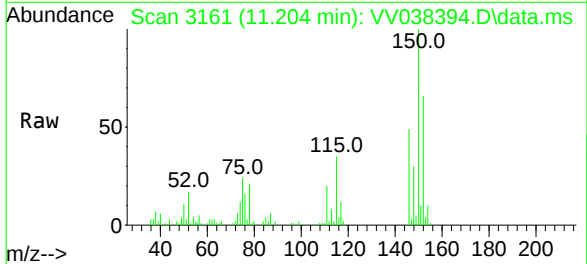
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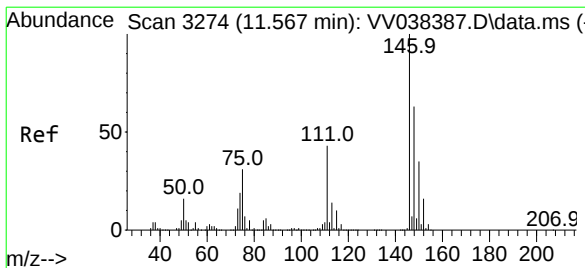
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#65
1,4-Dichlorobenzene
Concen: 2.439 ug/L
RT: 11.204 min Scan# 3161
Delta R.T. 0.003 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion:146 Resp: 21345
Ion Ratio Lower Upper
146 100
111 40.0 27.6 51.4
148 60.4 44.9 83.3





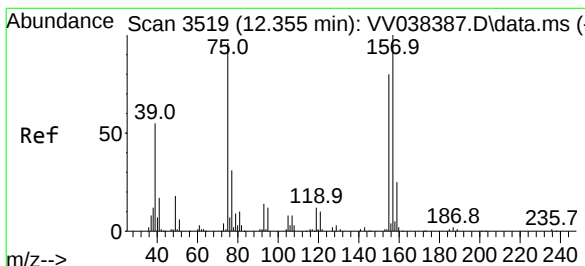
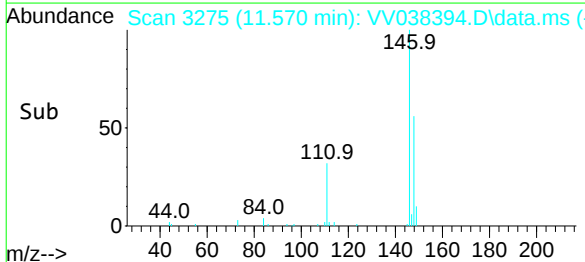
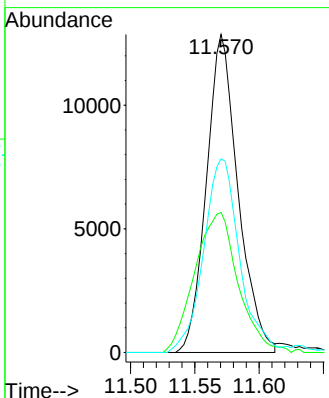
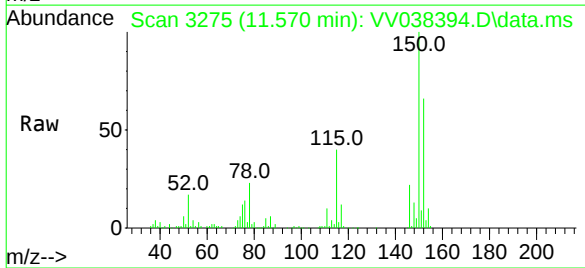
#67
1,2-Dichlorobenzene
Concen: 2.623 ug/L
RT: 11.570 min Scan# 3274
Delta R.T. 0.003 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT4-2024-07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	34.2	51.2
148	60.9	50.5	75.7

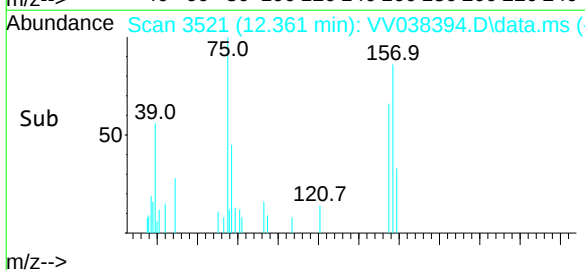
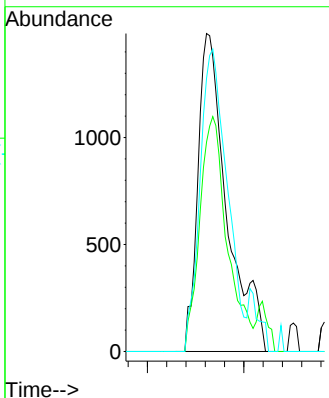
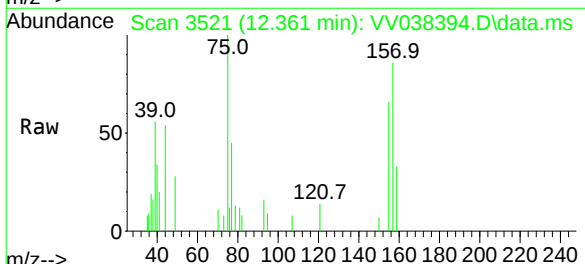
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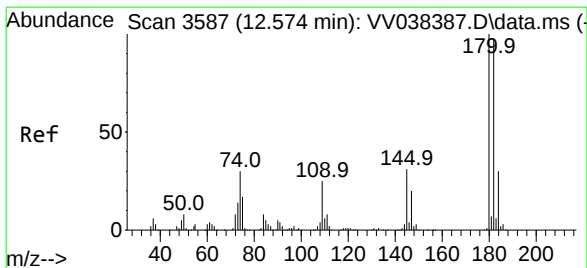
Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 2.590 ug/L
RT: 12.361 min Scan# 3521
Delta R.T. 0.006 min
Lab File: VV038394.D
Acq: 02 Dec 2024 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.9	66.8	100.2
157	85.9	83.4	125.2





#69

1,3,5-Trichlorobenzene

Concen: 2.481 ug/L m

RT: 12.580 min Scan# 3587

Delta R.T. 0.006 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Instrument :

MSVOA_V

ClientSampleId :

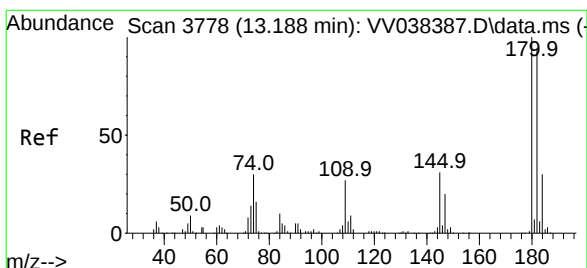
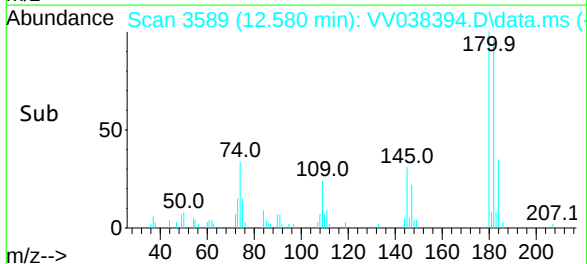
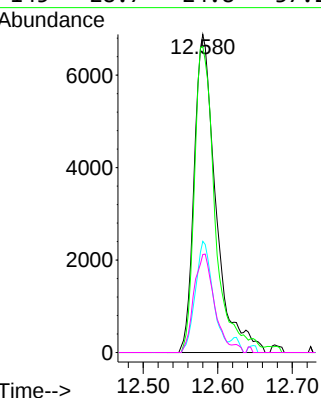
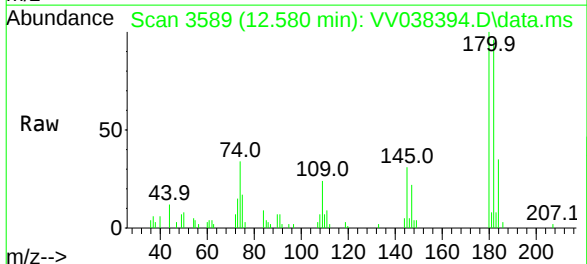
MDL-MED-SOIL-QT4-2024-07

Tgt Ion:	180	Resp:	13930
Ion Ratio	Lower	Upper	
180	100		
182	90.1	76.2	114.4
184	28.5	23.8	35.6
145	28.7	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#70

1,2,4-trichlorobenzene

Concen: 2.151 ug/L

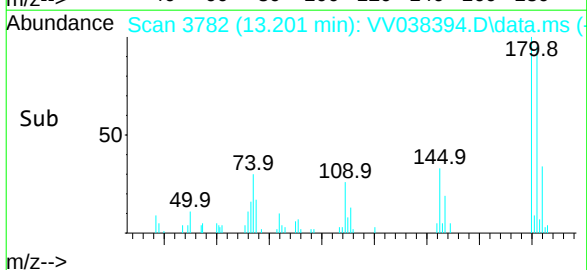
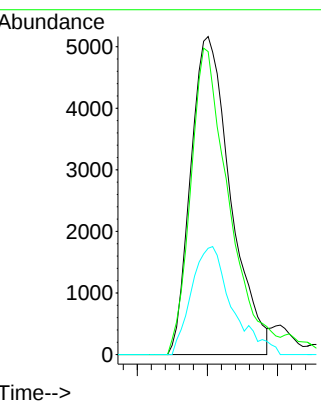
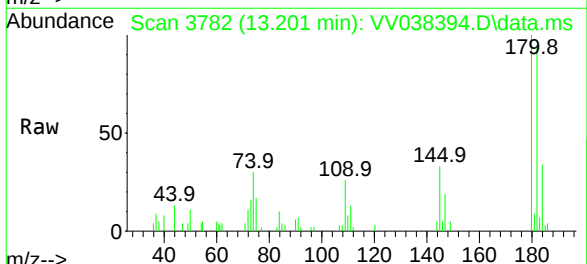
RT: 13.201 min Scan# 3782

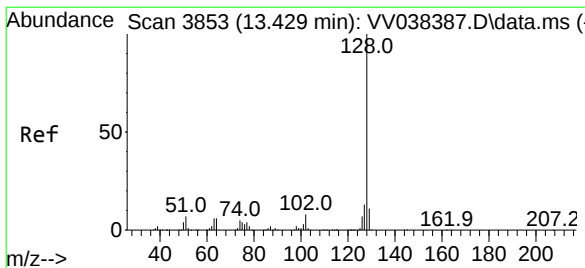
Delta R.T. 0.013 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Tgt Ion:	180	Resp:	10173
Ion Ratio	Lower	Upper	
180	100		
182	92.9	76.2	114.2
145	31.1	24.7	37.1





#71

Naphthalene

Concen: 2.026 ug/L

RT: 13.445 min Scan# 3853

Delta R.T. 0.016 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Instrument :

MSVOA_V

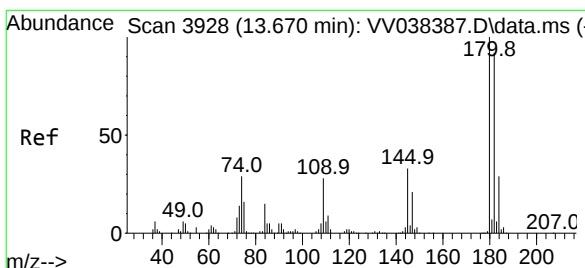
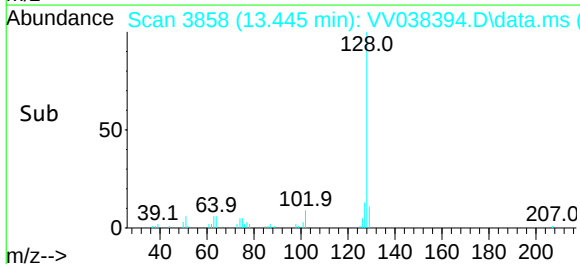
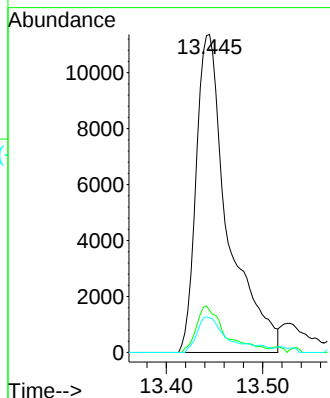
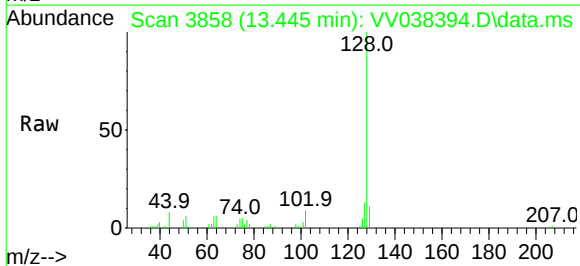
ClientSampleId :

MDL-MED-SOIL-QT4-2024-07

Tgt Ion:	128	Resp:	25977
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	9.5	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/03/2024
Supervised By :Semsettin Yesilyurt 12/04/2024



#72

1,2,3-Trichlorobenzene

Concen: 2.071 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.006 min

Lab File: VV038394.D

Acq: 02 Dec 2024 17:24

Tgt Ion:	180	Resp:	9612
Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.8	113.6
145	37.0	27.1	40.7

