

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057953.D
 Acq On : 27 Feb 2024 13:56
 Operator : MD/SY
 Sample : P1601-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Quant Time: Feb 28 00:56:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	263399	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	253392	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	113855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	69032	36.200	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.400%		
7) Chloroethane-d5	1.904	69	59692	42.351	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.700%		
11) 1,1-Dichloroethene-d2	2.557	63	103531	29.132	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.260%#		
21) 2-Butanone-d5	4.612	46	87527	120.802	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	120.800%		
24) Chloroform-d	5.052	84	143236	44.297	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.600%		
26) 1,2-Dichloroethane-d4	5.692	65	96110	47.415	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.820%		
32) Benzene-d6	5.718	84	282570	44.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.000%		
36) 1,2-Dichloropropane-d6	6.682	67	95234	46.445	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.880%		
41) Toluene-d8	7.891	98	249313	43.372	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.740%		
43) trans-1,3-Dichloroprop...	8.174	79	41814	42.823	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.640%		
47) 2-Hexanone-d5	8.627	63	60920	77.283	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.280%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	122895	43.435	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.860%		
66) 1,2-Dichlorobenzene-d4	12.190	152	85017	46.116	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5088	1.762	ug/L	98
3) Chloromethane	1.515	50	5174	1.762	ug/L	98
5) Vinyl chloride	1.599	62	5148	1.776	ug/L #	77
6) Bromomethane	1.850	94	2751	2.430	ug/L	94
8) Chloroethane	1.927	64	3229	1.904	ug/L	95
9) Trichlorofluoromethane	2.129	101	6546	1.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4617	2.239	ug/L #	85
12) 1,1-Dichloroethene	2.570	96	4355	2.284	ug/L #	1
14) Carbon disulfide	2.785	76	11741	1.881	ug/L	100
15) Methyl Acetate	2.949	43	3794	1.737	ug/L #	74
16) Methylene chloride	3.036	84	4858	1.954	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	3744	1.892	ug/L	87
18) Methyl tert-butyl Ether	3.354	73	11595	1.683	ug/L	93
19) 1,1-Dichloroethane	3.859	63	7222	1.761	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	4491	1.979	ug/L	90
22) 2-Butanone	4.714	43	6443m	3.964	ug/L	
23) Bromochloromethane	4.975	128	1991m	1.805	ug/L	
27) 1,2-Dichloroethane	5.788	62	6415	1.904	ug/L	99
29) Cyclohexane	5.377	56	6451	1.730	ug/L	99

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

30) 1,1,1-Trichloroethane	5.313	97	6239	1.827	ug/L	99
31) Carbon tetrachloride	5.509	117	5174m	1.764	ug/L	
34) Trichloroethene	6.541	95	4100	1.805	ug/L	90
35) Methylcyclohexane	6.753	83	6480	1.756	ug/L	97
37) 1,2-Dichloropropane	6.785	63	4769	1.912	ug/L #	96
38) Bromodichloromethane	7.100	83	5732	1.914	ug/L #	98
39) cis-1,3-Dichloropropene	7.605	75	7056	1.851	ug/L	93
42) Toluene	7.968	91	16542	1.809	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	6032	1.706	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	3984	1.798	ug/L	96
46) Tetrachloroethene	8.547	164	2948	1.886	ug/L	91
49) Dibromochloromethane	8.808	129	3299	1.495	ug/L	94
50) 1,2-Dibromoethane	8.920	107	3755	1.609	ug/L #	90
51) Chlorobenzene	9.444	112	10403	1.789	ug/L	96
52) Ethylbenzene	9.566	91	18080	1.763	ug/L	95
53) m,p-Xylene	9.692	106	6296	1.688	ug/L	83
54) o-Xylene	10.097	106	5627	1.527	ug/L	94
55) Styrene	10.116	104	9171	1.451	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	6513	1.725	ug/L #	95
60) 1,2,3-Trichloropropane	10.817	75	4687	1.777	ug/L	98
61) Isopropylbenzene	10.483	105	15055	1.692	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	12418	1.620	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	12001	1.558	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	7222	1.836	ug/L	93
65) 1,4-Dichlorobenzene	11.830	146	8555	2.135	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	7391	1.910	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	970m	1.549	ug/L	
69) 1,3,5-Trichlorobenzene	13.222	180	4511m	1.705	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3310	1.554	ug/L	90
71) Naphthalene	14.090	128	8846	1.564	ug/L #	72
72) 1,2,3-Trichlorobenzene	14.331	180	3392	1.733	ug/L	95

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

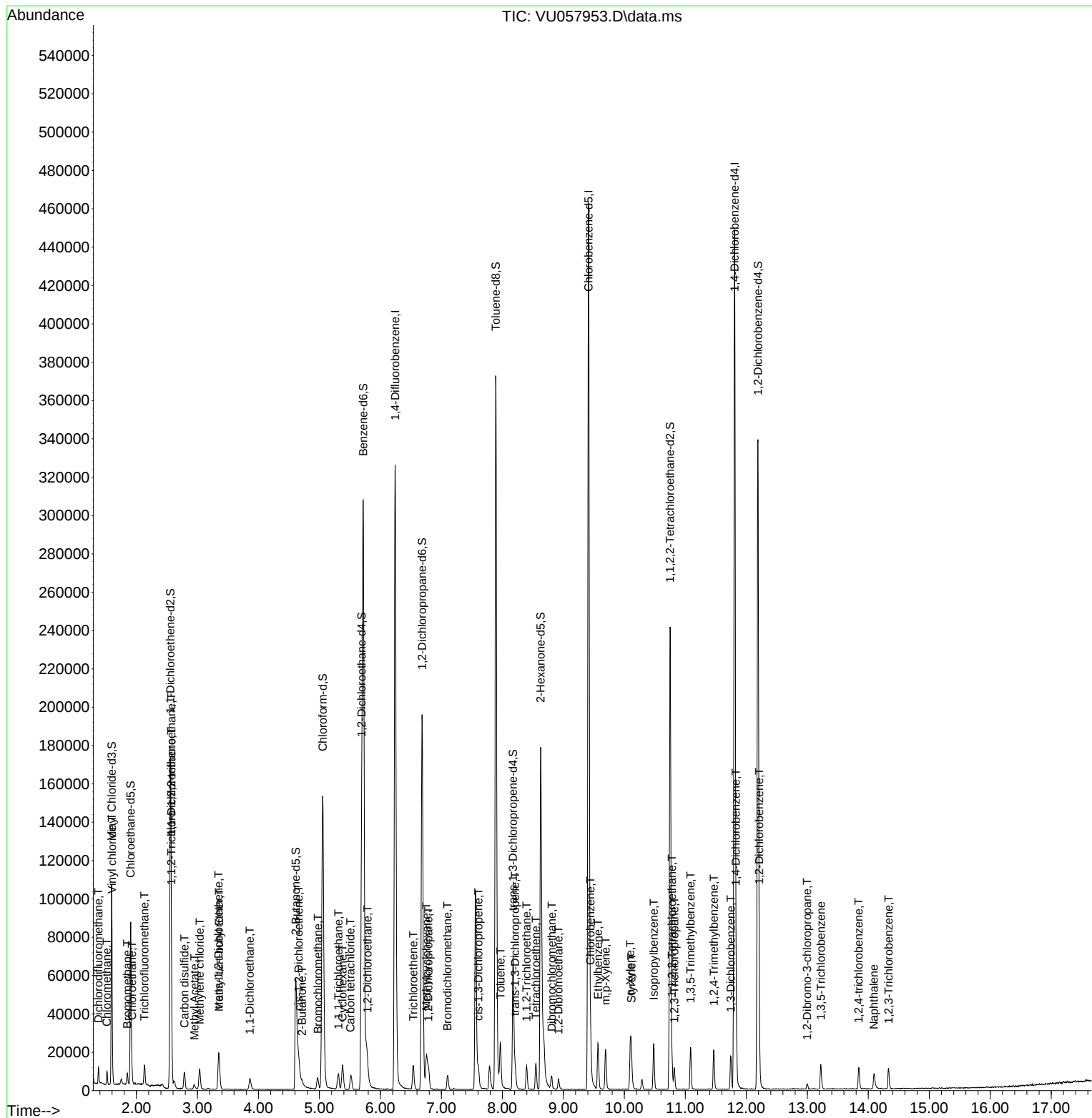
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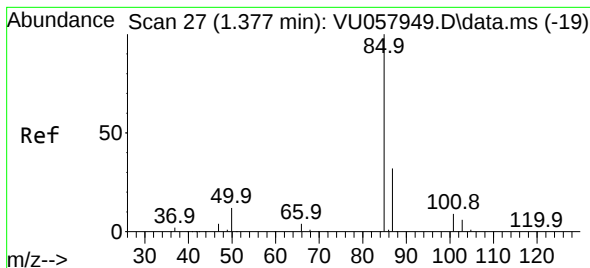
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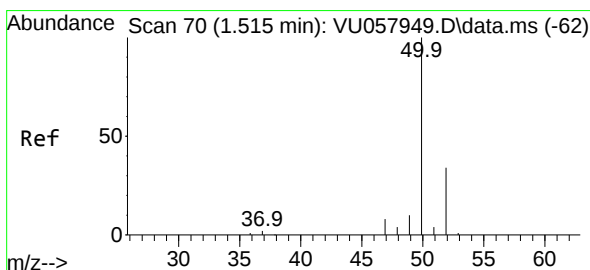
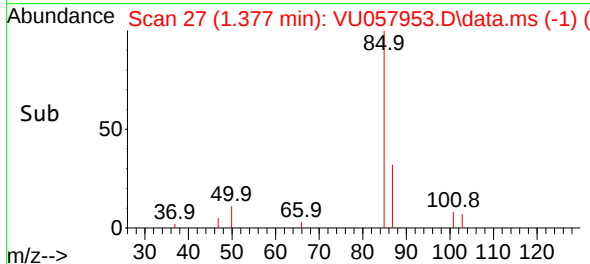
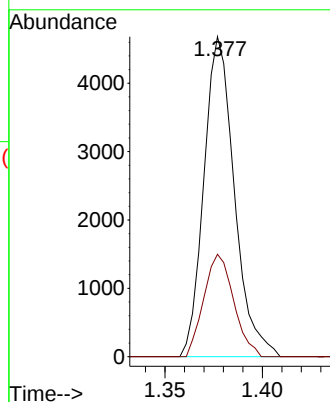
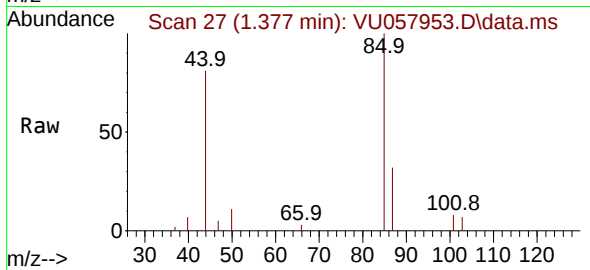
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Dichlorodifluoromethane
Concen: 1.762 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 85 Resp: 508
Ion Ratio Lower Upper
85 100
87 31.4 26.2 39.2

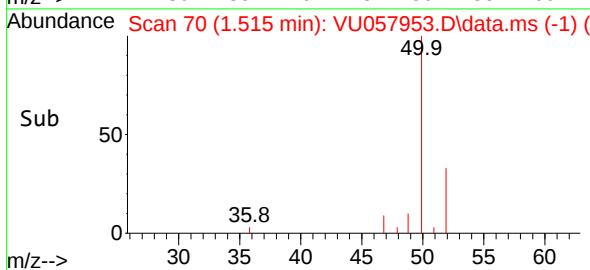
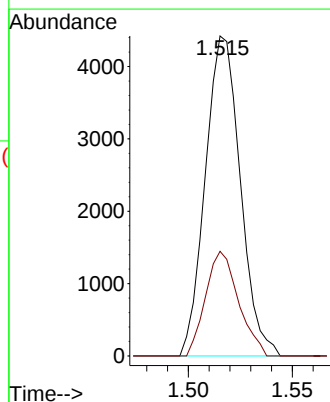
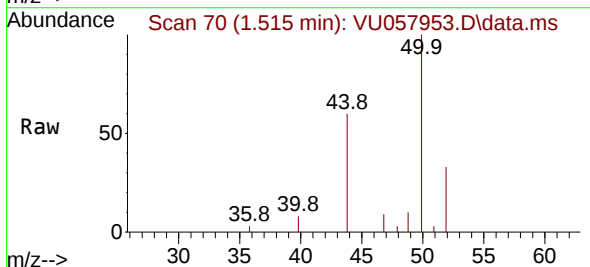
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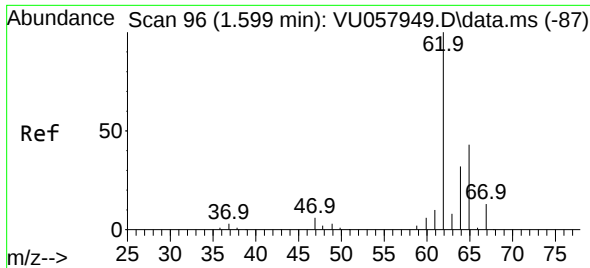
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#3
Chloromethane
Concen: 1.762 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion: 50 Resp: 5174
Ion Ratio Lower Upper
50 100
52 32.7 23.8 44.2





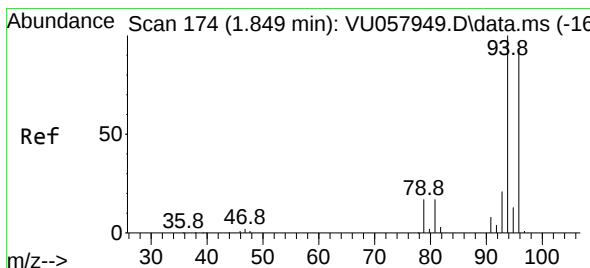
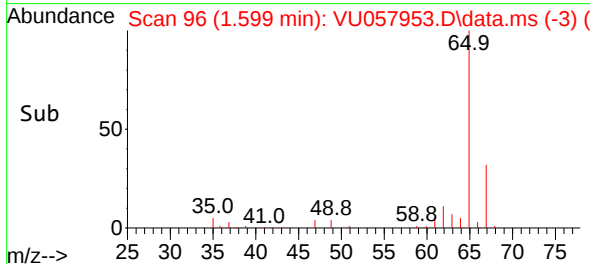
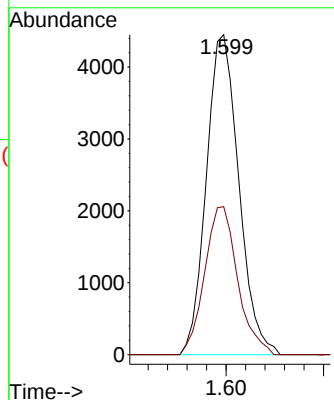
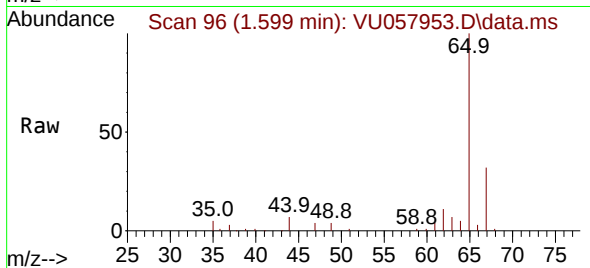
#5
 Vinyl chloride
 Concen: 1.776 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU057953.D
 Acq: 27 Feb 2024 13:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 62 Resp: 5148
 Ion Ratio Lower Upper
 62 100
 64 46.2 23.1 42.9

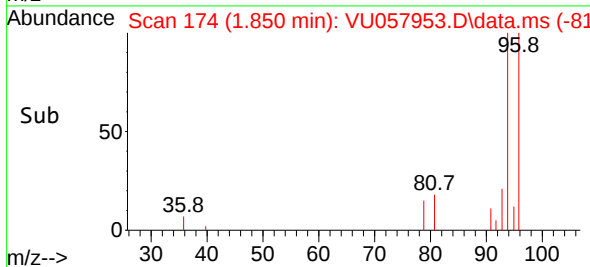
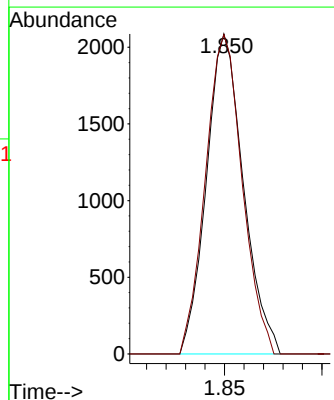
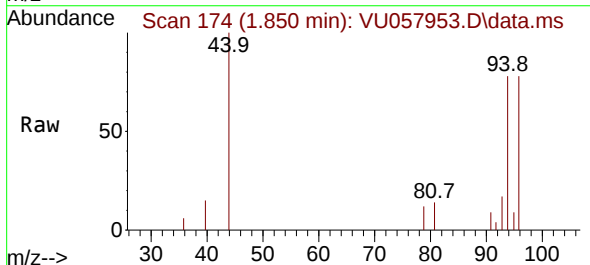
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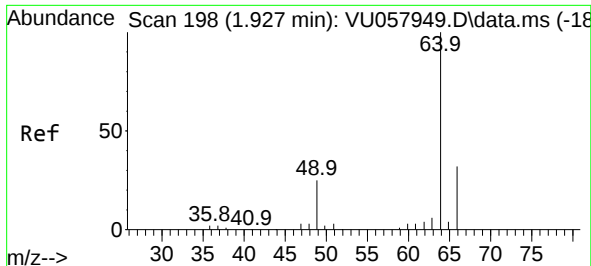
Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#6
 Bromomethane
 Concen: 2.430 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU057953.D
 Acq: 27 Feb 2024 13:56

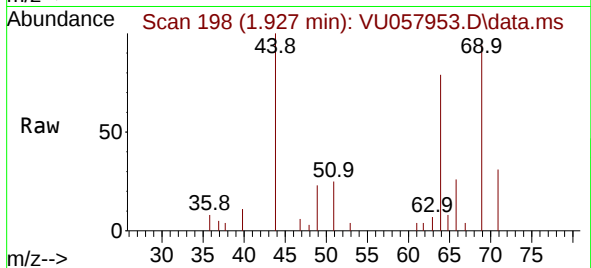
Tgt Ion: 94 Resp: 2751
 Ion Ratio Lower Upper
 94 100
 96 99.8 65.5 121.7





#8
Chloroethane
Concen: 1.904 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

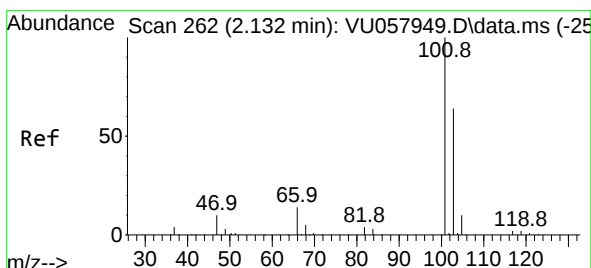
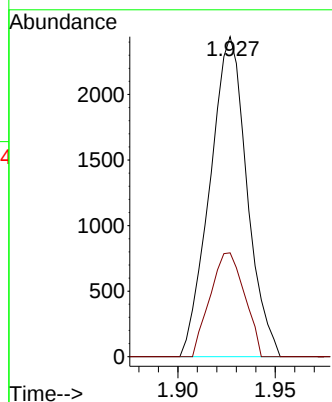
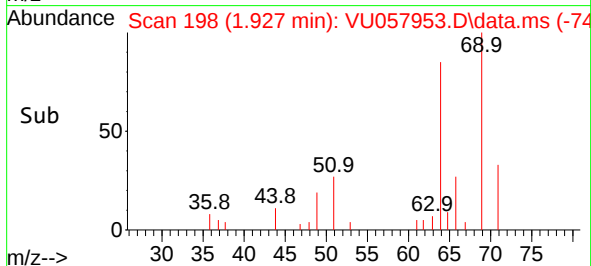
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Tgt Ion: 64 Resp: 3229
Ion Ratio Lower Upper
64 100
66 29.5 22.5 41.9

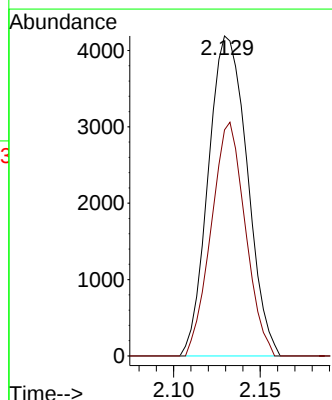
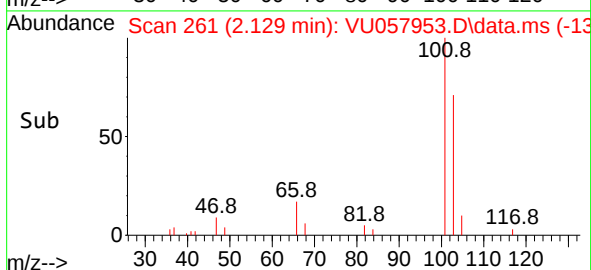
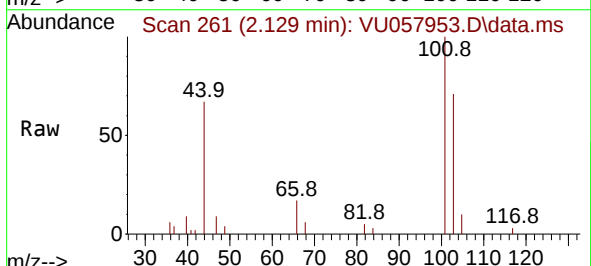
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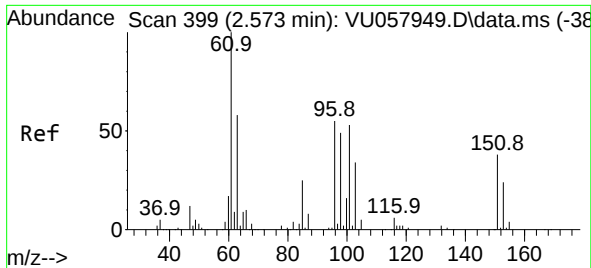
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#9
Trichlorofluoromethane
Concen: 1.845 ug/L
RT: 2.129 min Scan# 261
Delta R.T. -0.003 min
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Tgt Ion:101 Resp: 6546
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5





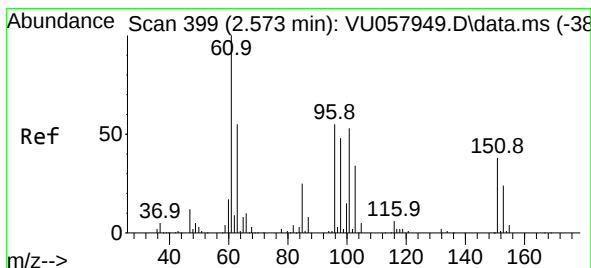
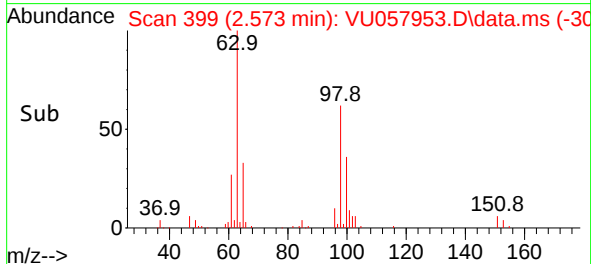
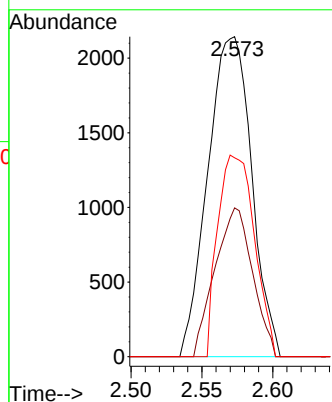
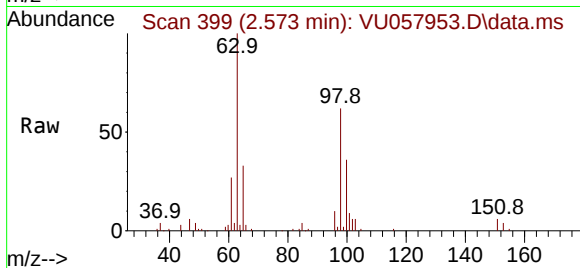
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.239 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057953.D
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Tgt Ion:101 Resp: 461
Ion Ratio Lower Upper
101 100
85 39.9 35.7 53.5
151 52.7 55.8 83.6

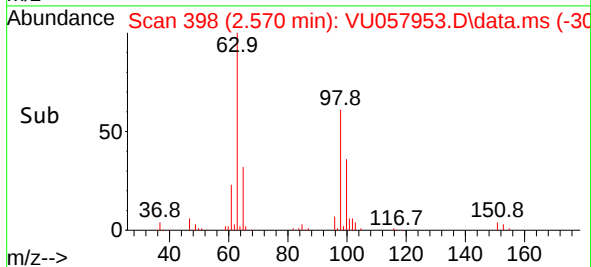
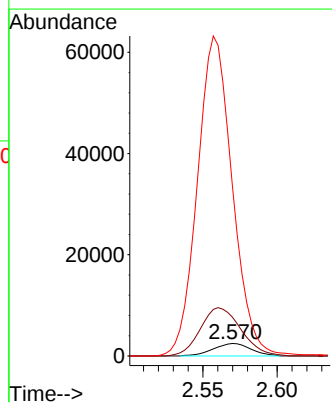
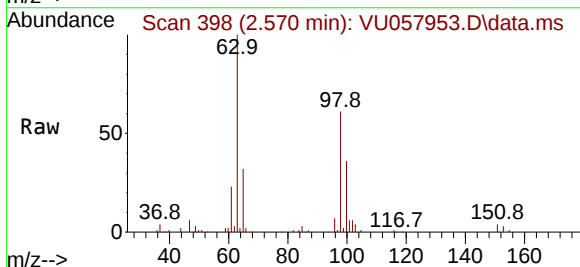
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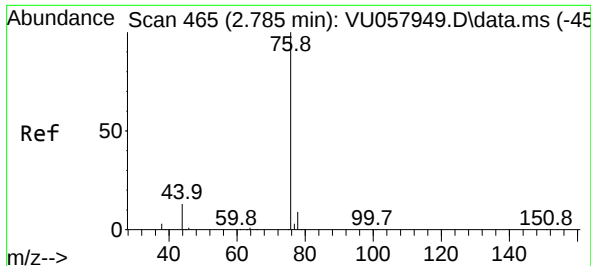
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#12
1,1-Dichloroethene
Concen: 2.284 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

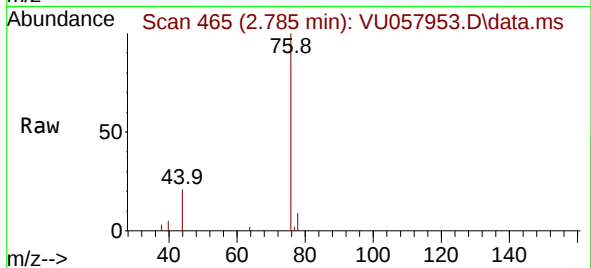
Tgt Ion: 96 Resp: 4355
Ion Ratio Lower Upper
96 100
61 310.9 126.8 235.6#
63 1363.9 86.5 160.7#





#14
Carbon disulfide
Concen: 1.881 ug/L
RT: 2.785 min Scan# 465
Delta R.T. 0.000 min
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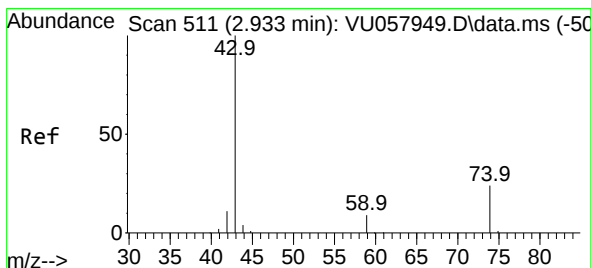
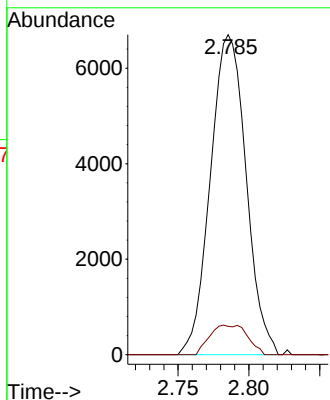
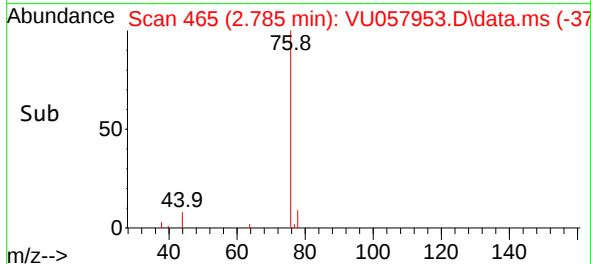
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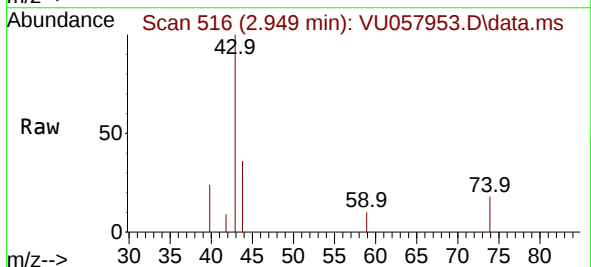
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Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

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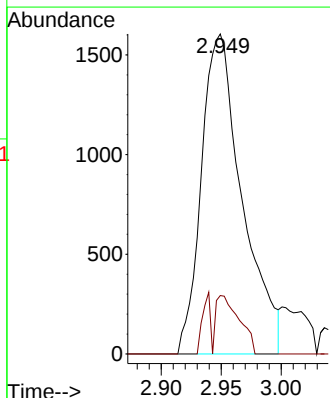
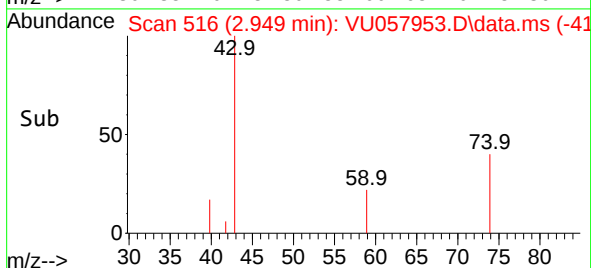
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

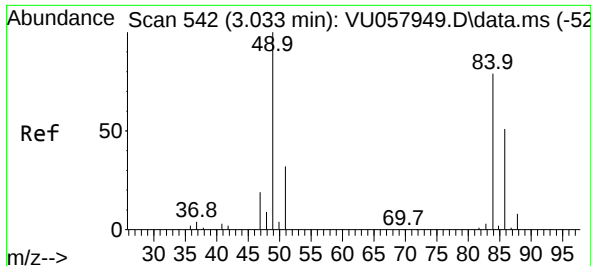


#15
Methyl Acetate
Concen: 1.737 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.016 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56



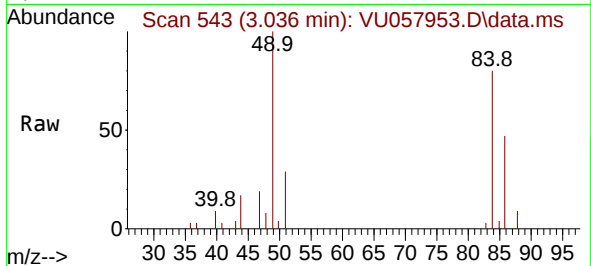
Tgt Ion: 43 Resp: 3794
Ion Ratio Lower Upper
43 100
74 10.5 18.6 27.8#





#16
Methylene chloride
Concen: 1.954 ug/L
RT: 3.036 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

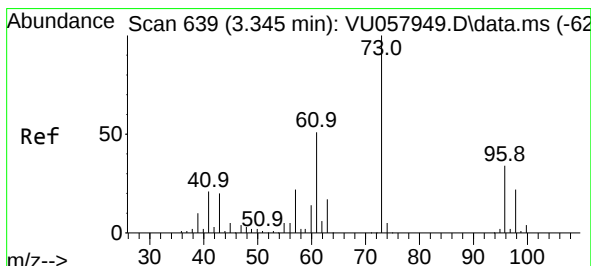
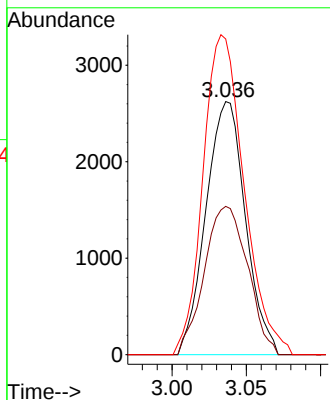
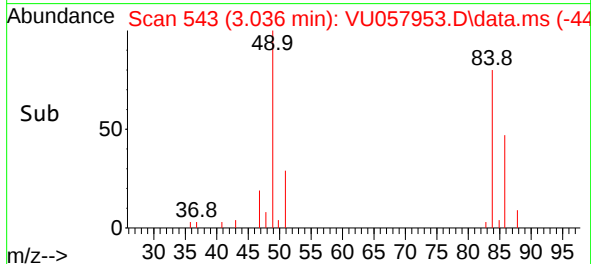
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



Tgt Ion: 84 Resp: 4858
Ion Ratio Lower Upper
84 100
86 58.6 45.1 83.7
49 124.7 89.7 166.5

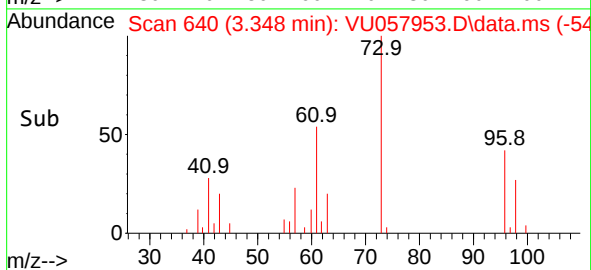
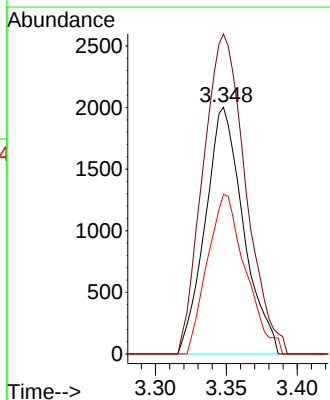
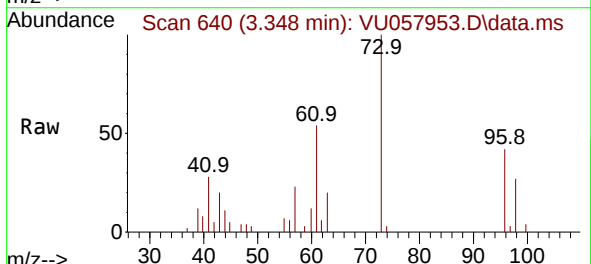
Manual Integrations
APPROVED

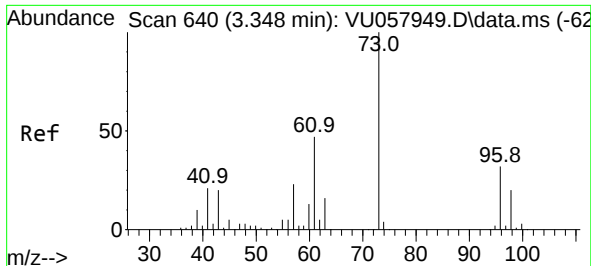
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#17
trans-1,2-Dichloroethene
Concen: 1.892 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

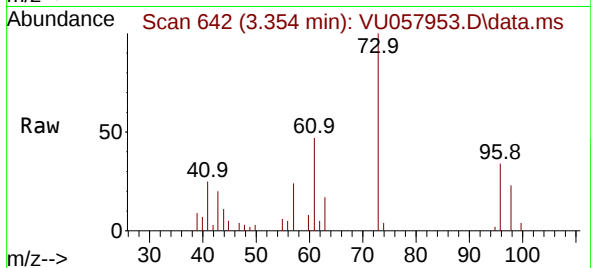
Tgt Ion: 96 Resp: 3744
Ion Ratio Lower Upper
96 100
61 129.7 106.3 197.3
98 64.7 44.4 82.5





#18
Methyl tert-butyl Ether
Concen: 1.683 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

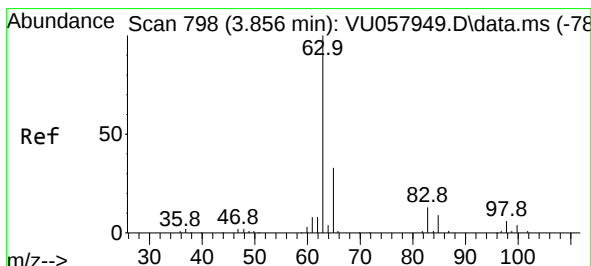
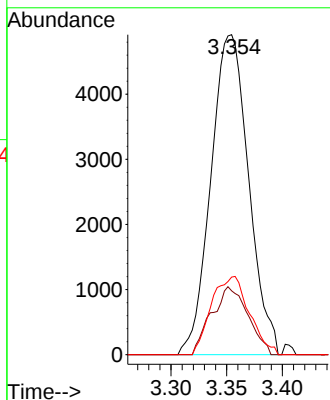
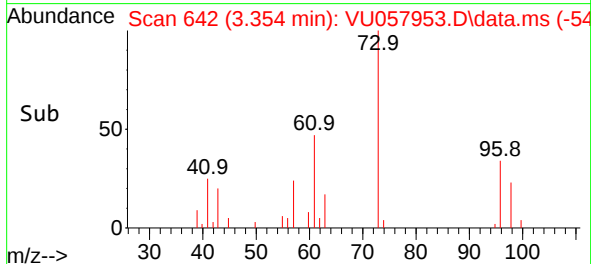
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion: 73 Resp: 1159
Ion Ratio Lower Upper
73 100
43 16.1 16.0 24.0
57 24.6 17.8 26.6

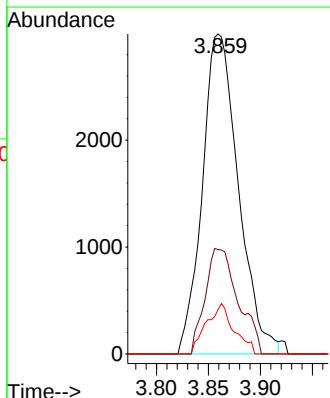
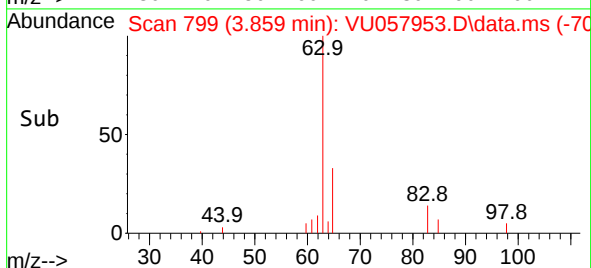
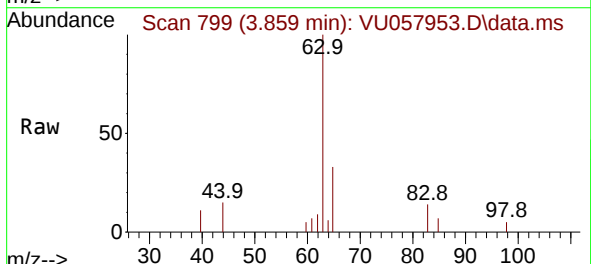
Manual Integrations
APPROVED

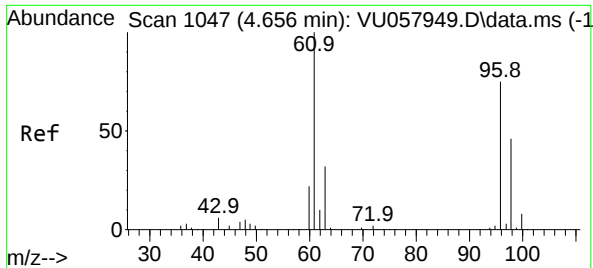
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#19
1,1-Dichloroethane
Concen: 1.761 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion: 63 Resp: 7222
Ion Ratio Lower Upper
63 100
65 32.6 21.7 40.3
83 13.8 9.4 17.4





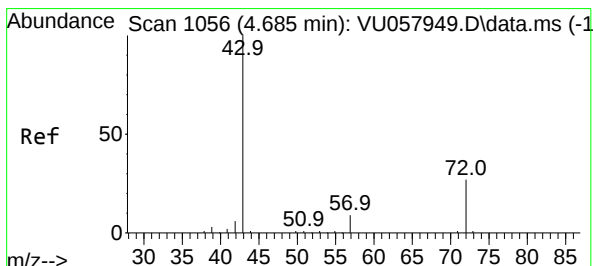
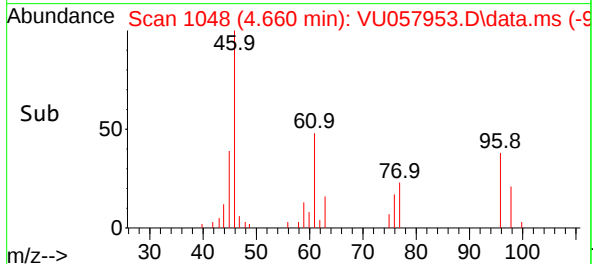
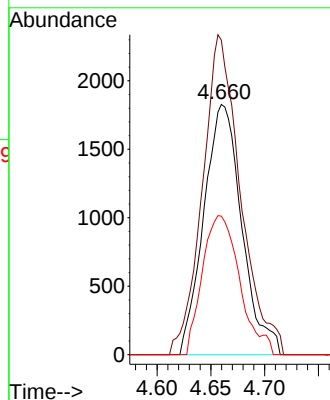
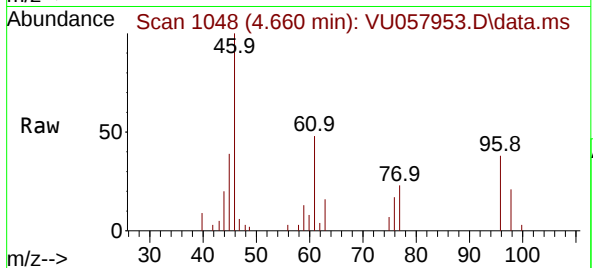
#20
 cis-1,2-Dichloroethene
 Concen: 1.979 ug/L
 RT: 4.660 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: VU057953.D
 Acq: 27 Feb 2024 13:56

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 96 Resp: 449
 Ion Ratio Lower Upper
 96 100
 61 125.7 96.7 179.7
 98 55.4 44.3 82.3

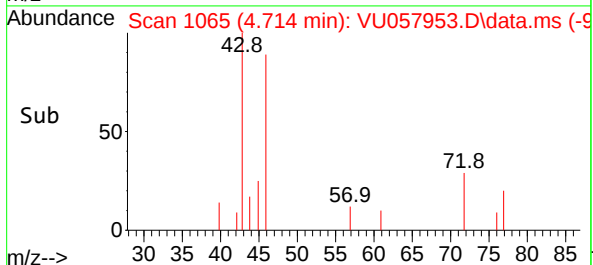
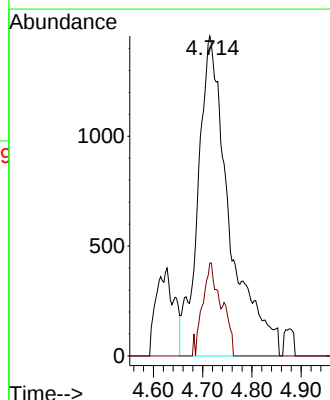
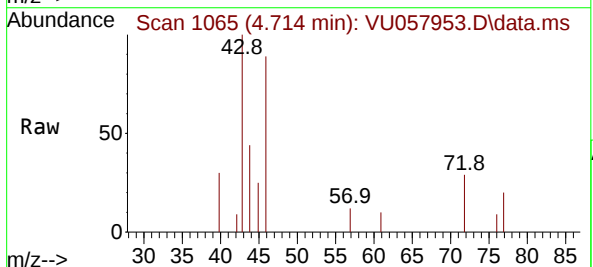
Manual Integrations
 APPROVED

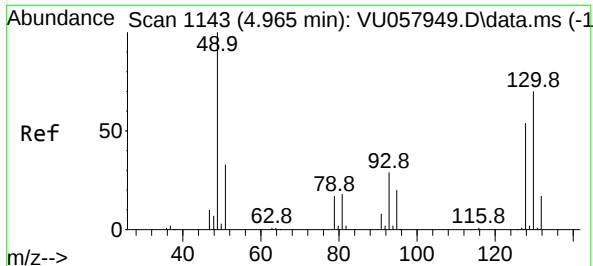
Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#22
 2-Butanone
 Concen: 3.964 ug/L m
 RT: 4.714 min Scan# 1065
 Delta R.T. 0.029 min
 Lab File: VU057953.D
 Acq: 27 Feb 2024 13:56

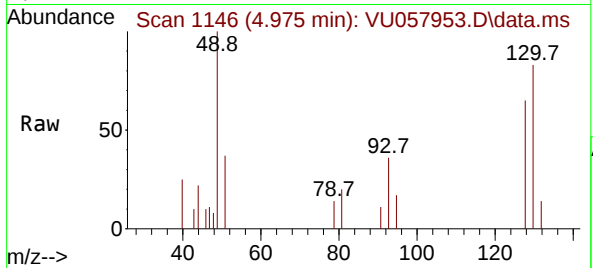
Tgt Ion: 43 Resp: 6443
 Ion Ratio Lower Upper
 43 100
 72 0.3 13.8 41.3#





#23
Bromochloromethane
Concen: 1.805 ug/L m
RT: 4.975 min Scan# 1143
Delta R.T. 0.010 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

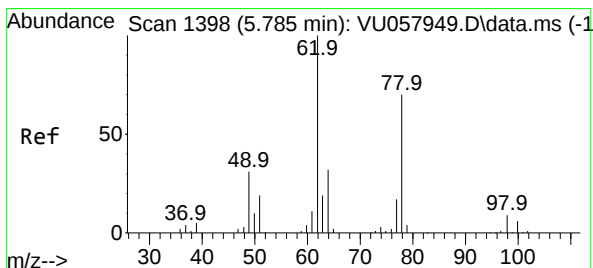
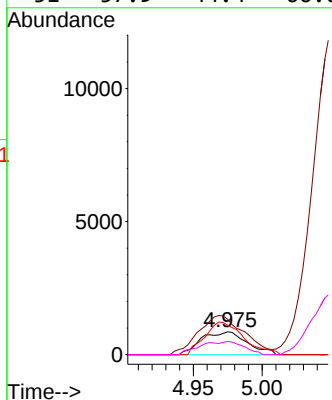
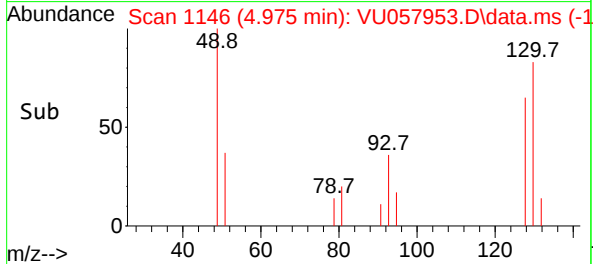
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion: 128 Resp: 199
Ion Ratio Lower Upper
128 100
49 154.4 124.0 230.4
130 128.5 87.8 163.0
51 57.9 44.4 66.6

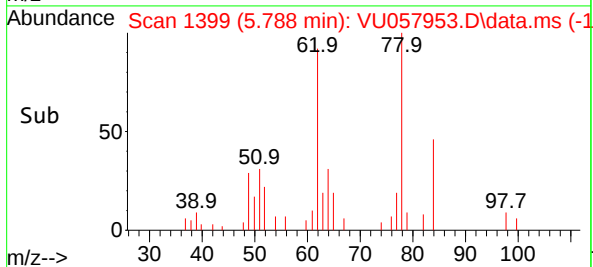
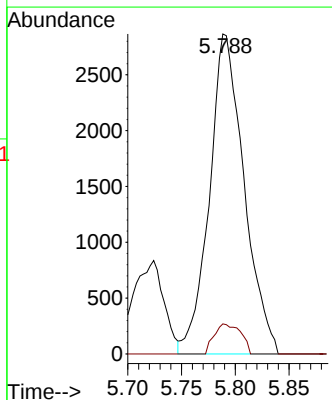
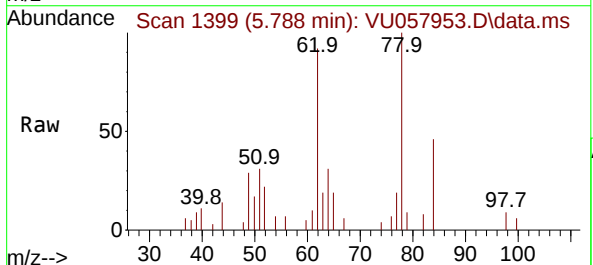
Manual Integrations
APPROVED

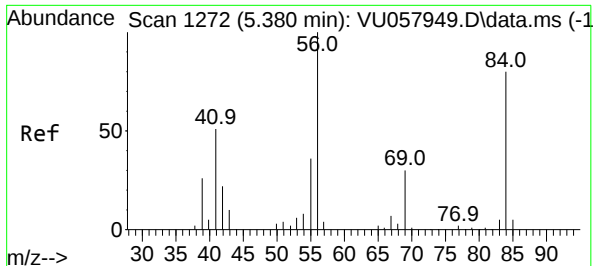
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#27
1,2-Dichloroethane
Concen: 1.904 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion: 62 Resp: 6415
Ion Ratio Lower Upper
62 100
98 9.4 7.1 10.7





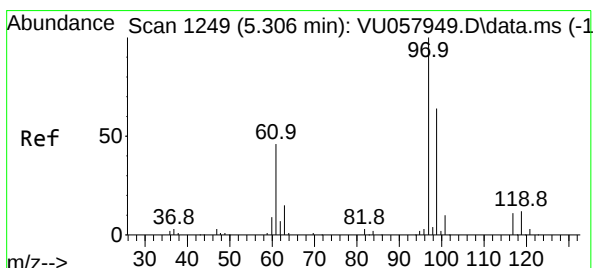
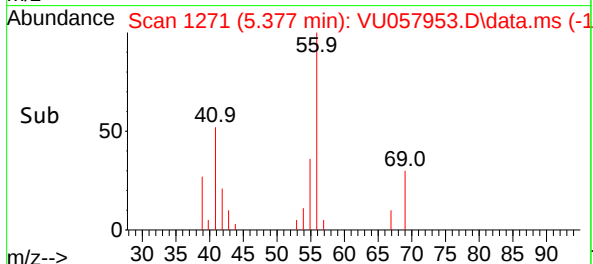
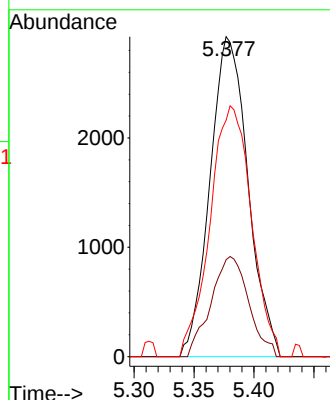
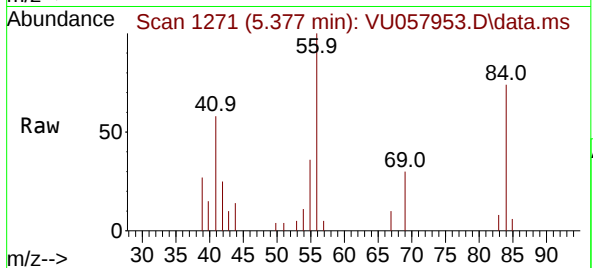
#29
Cyclohexane
Concen: 1.730 ug/L
RT: 5.377 min Scan# 1251
Delta R.T. -0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 56 Resp: 645
Ion Ratio Lower Upper
56 100
69 31.0 24.6 36.8
84 84.9 66.9 100.3

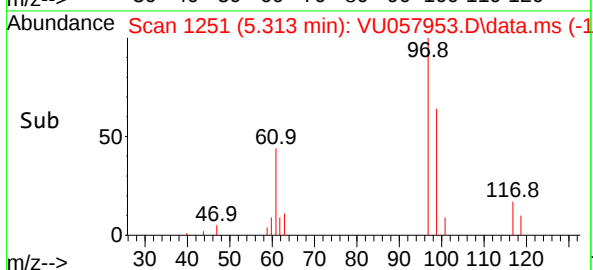
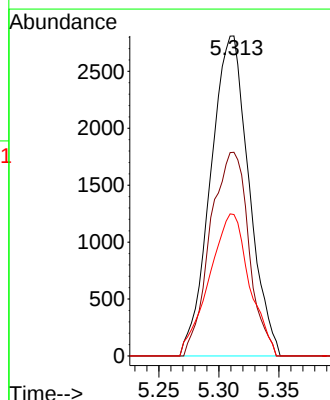
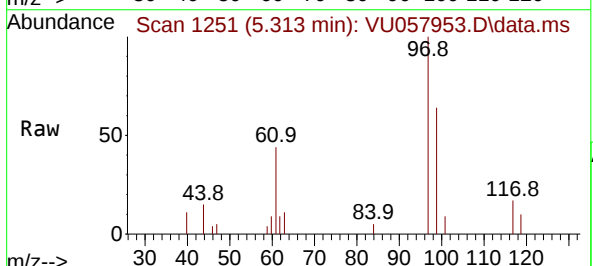
Manual Integrations
APPROVED

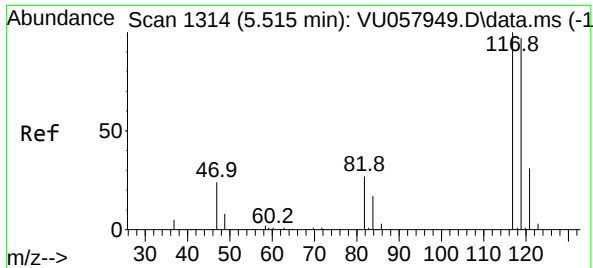
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#30
1,1,1-Trichloroethane
Concen: 1.827 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

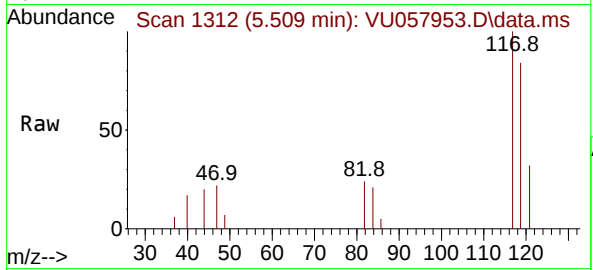
Tgt Ion: 97 Resp: 6239
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 46.7 36.8 55.2





#31
Carbon tetrachloride
Concen: 1.764 ug/L m
RT: 5.509 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

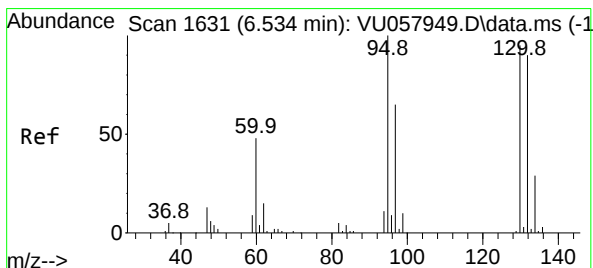
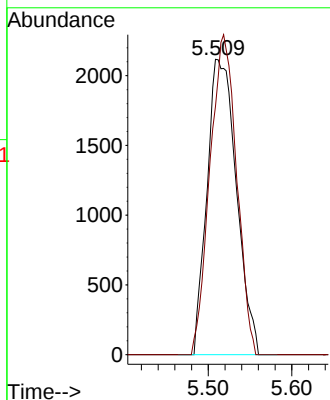
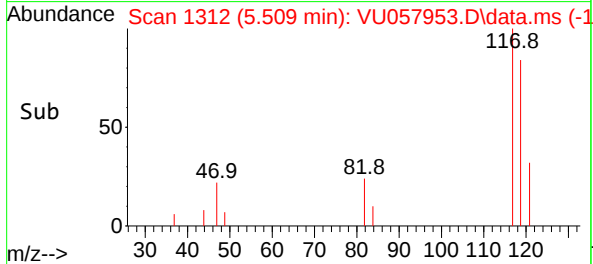
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



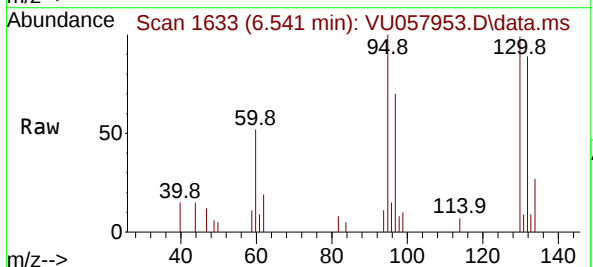
Tgt Ion:117 Resp: 5174
Ion Ratio Lower Upper
117 100
119 98.2 75.9 113.9

Manual Integrations
APPROVED

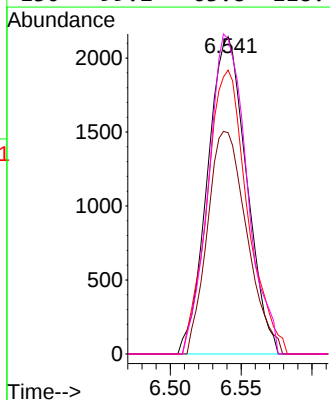
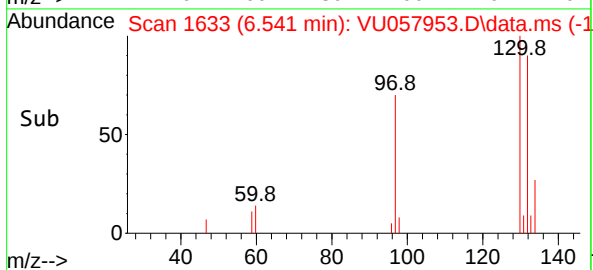
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

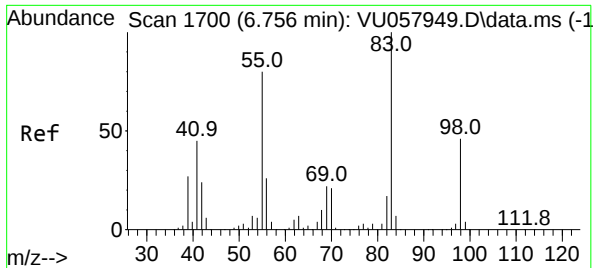


#34
Trichloroethene
Concen: 1.805 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56



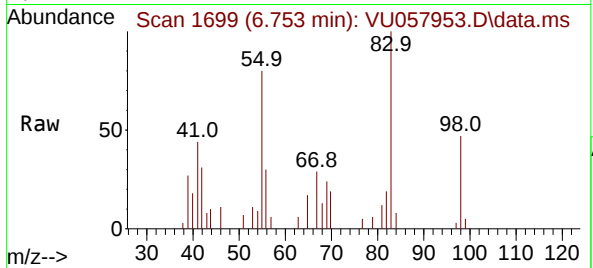
Tgt Ion: 95 Resp: 4100
Ion Ratio Lower Upper
95 100
97 69.7 44.2 82.2
132 98.6 61.4 114.0
130 99.2 63.8 118.4





#35
Methylcyclohexane
Concen: 1.756 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

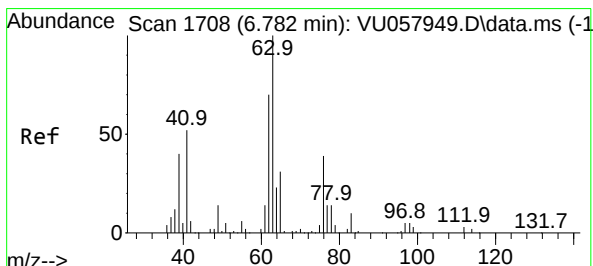
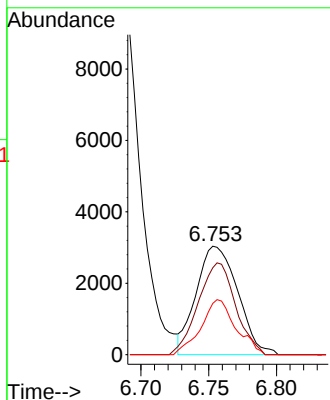
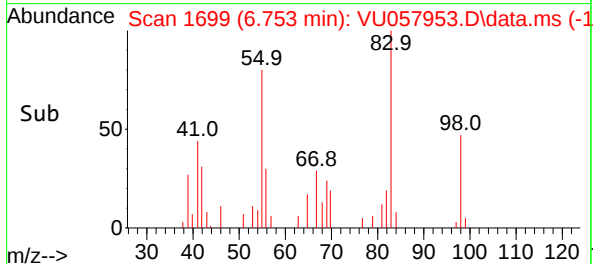
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



Tgt Ion: 83 Resp: 6480
Ion Ratio Lower Upper
83 100
55 76.0 62.7 94.1
98 42.4 36.3 54.5

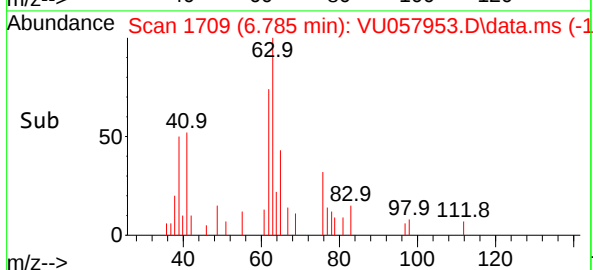
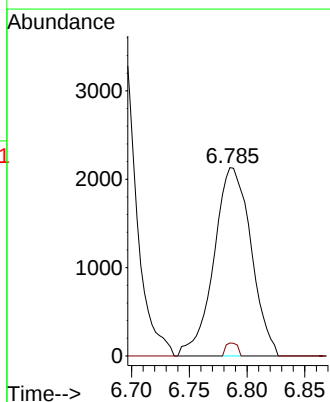
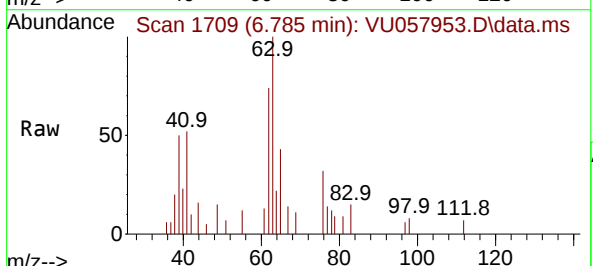
Manual Integrations
APPROVED

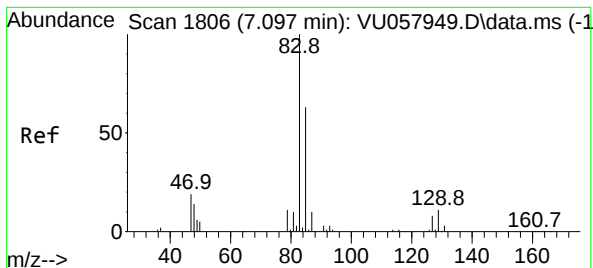
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#37
1,2-Dichloropropane
Concen: 1.912 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion: 63 Resp: 4769
Ion Ratio Lower Upper
63 100
112 2.2 2.9 4.3#





#38

Bromodichloromethane

Concen: 1.914 ug/L

RT: 7.100 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

Instrument :

MSVOA_U

ClientSampleId :

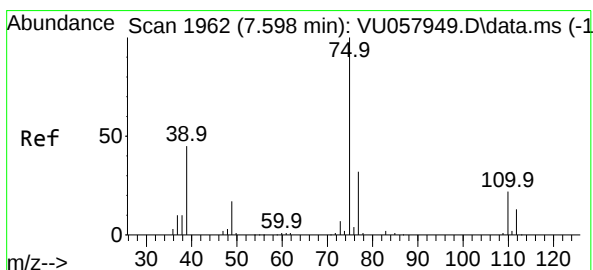
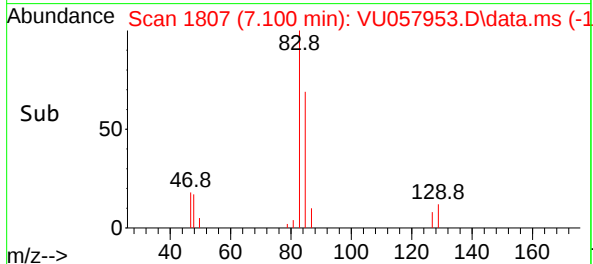
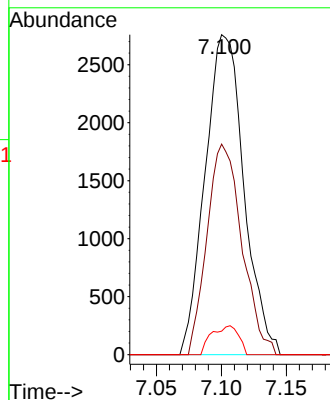
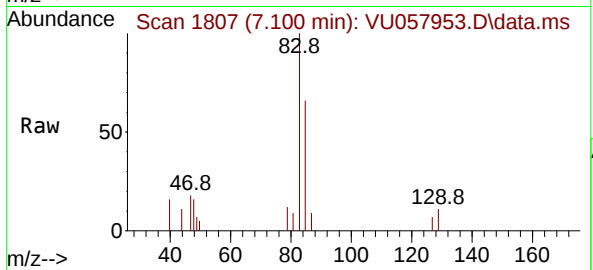
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:	83	Resp:	573
Ion Ratio	Lower	Upper	
83	100		
85	65.8	45.4	84.4
127	7.4	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#39

cis-1,3-Dichloropropene

Concen: 1.851 ug/L

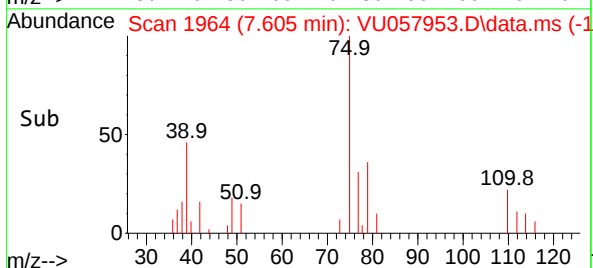
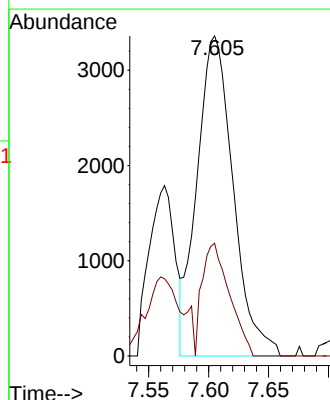
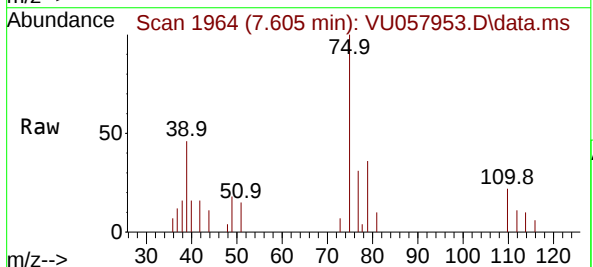
RT: 7.605 min Scan# 1964

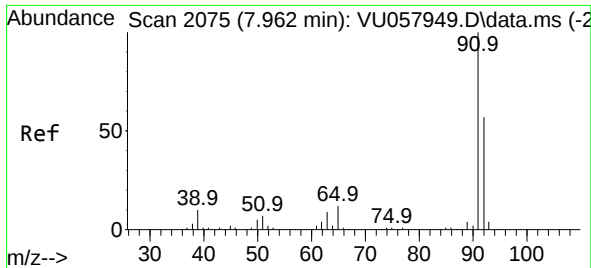
Delta R.T. 0.007 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

Tgt Ion:	75	Resp:	7056
Ion Ratio	Lower	Upper	
75	100		
77	35.2	22.0	41.0





#42

Toluene

Concen: 1.809 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.007 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 91 Resp: 1654

Ion Ratio Lower Upper

91 100

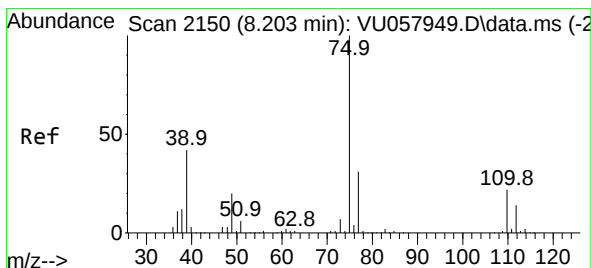
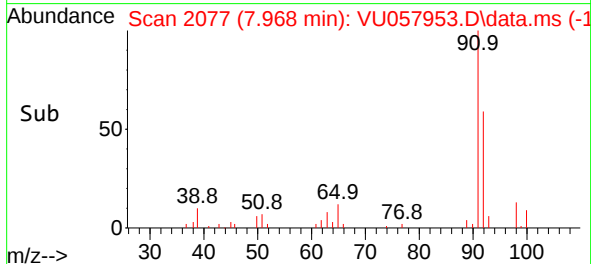
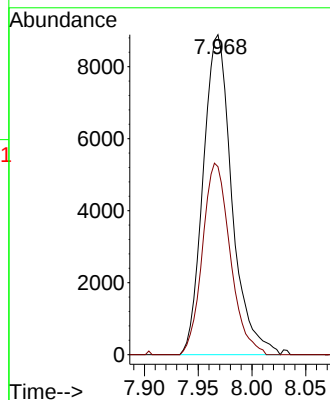
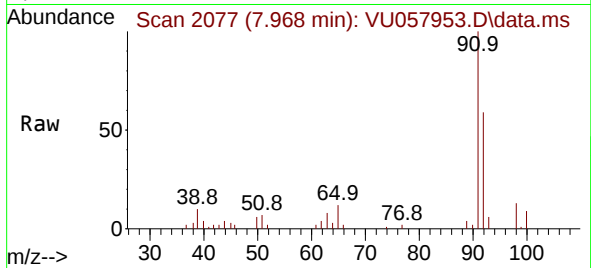
92 58.7 40.3 74.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024

Supervised By :Semsettin Yesilyurt 02/28/2024



#44

trans-1,3-Dichloropropene

Concen: 1.706 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057953.D

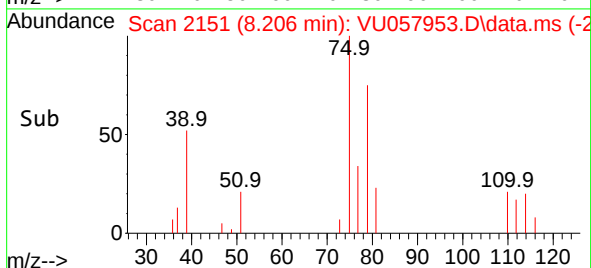
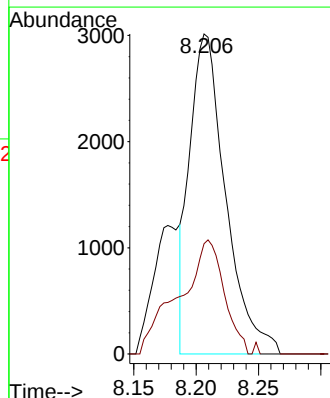
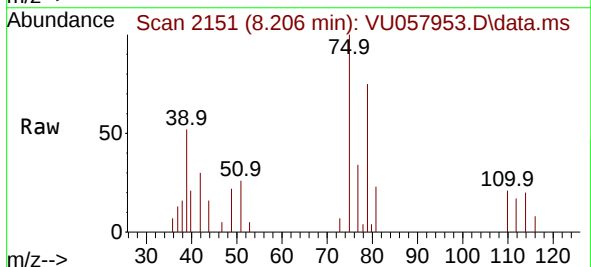
Acq: 27 Feb 2024 13:56

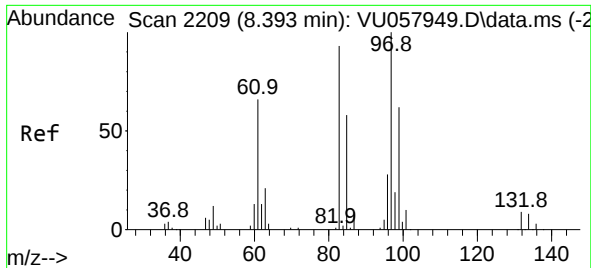
Tgt Ion: 75 Resp: 6032

Ion Ratio Lower Upper

75 100

77 34.4 21.8 40.4





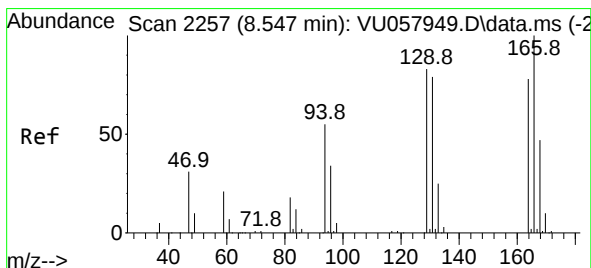
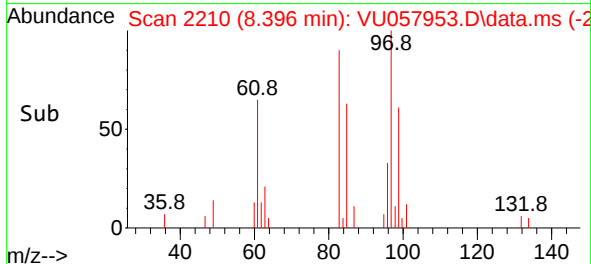
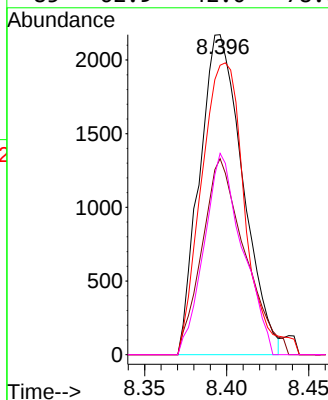
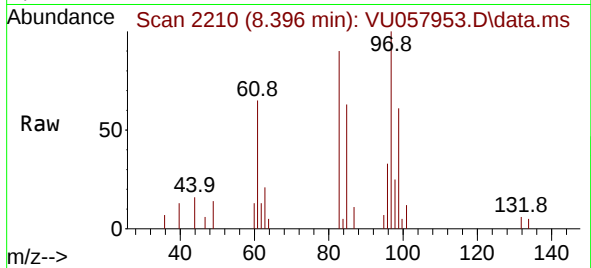
#45
1,1,2-Trichloroethane
Concen: 1.798 ug/L
RT: 8.396 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2024-01

Tgt Ion: 97	Resp: 3984
Ion Ratio	Lower Upper
97 100	
99 66.2	43.0 80.0
83 90.5	65.0 120.6
85 62.9	42.0 78.0

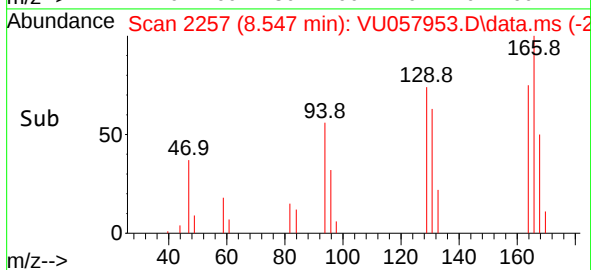
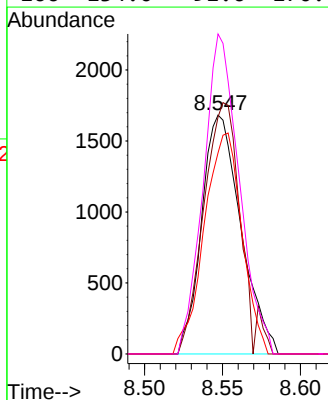
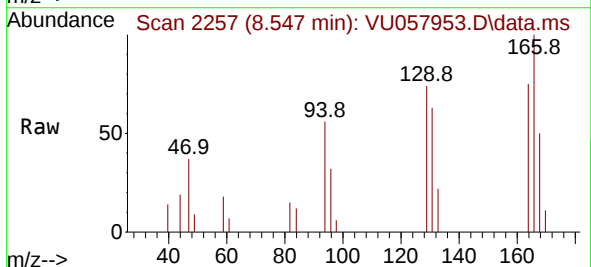
Manual Integrations
APPROVED

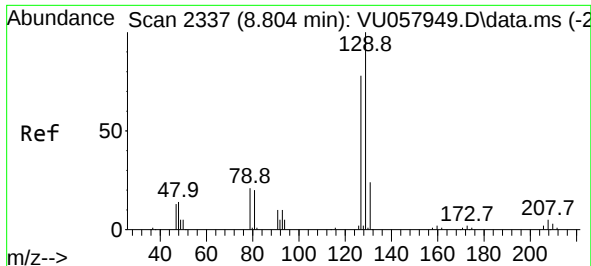
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#46
Tetrachloroethene
Concen: 1.886 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion:164	Resp: 2948
Ion Ratio	Lower Upper
164 100	
129 99.2	74.1 137.7
131 84.2	72.0 133.6
166 134.0	91.6 170.0





#49

Dibromochloromethane

Concen: 1.495 ug/L

RT: 8.808 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2024-01

Tgt Ion:129 Resp: 329

Ion Ratio Lower Upper

129 100

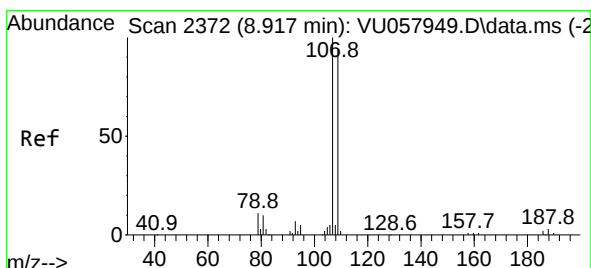
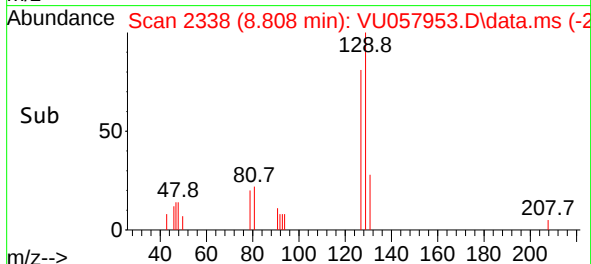
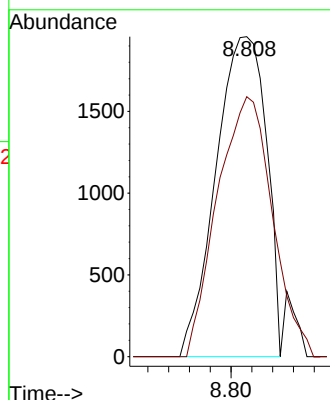
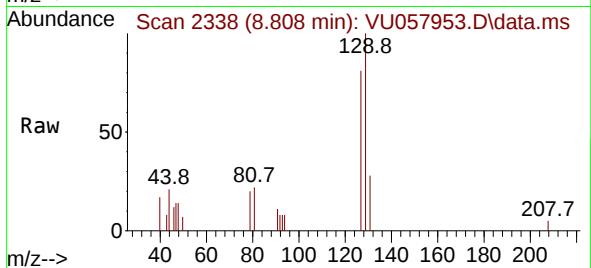
127 81.2 53.3 99.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024

Supervised By :Semsettin Yesilyurt 02/28/2024



#50

1,2-Dibromoethane

Concen: 1.609 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. 0.003 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

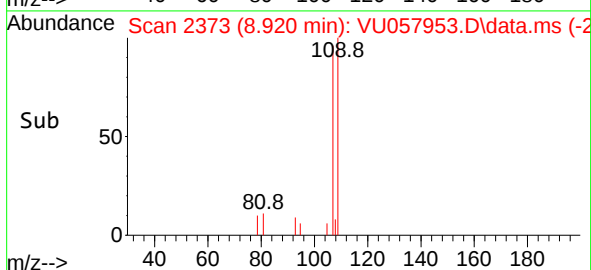
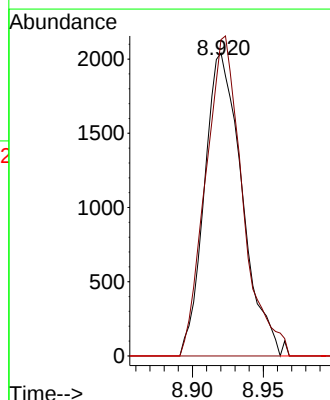
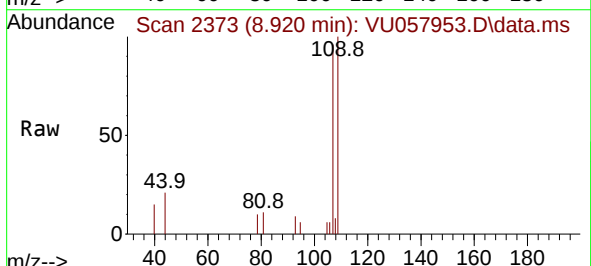
Tgt Ion:107 Resp: 3755

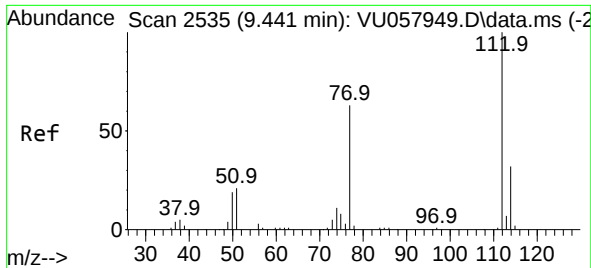
Ion Ratio Lower Upper

107 100

109 104.4 66.1 122.8

188 0.0 2.6 3.8





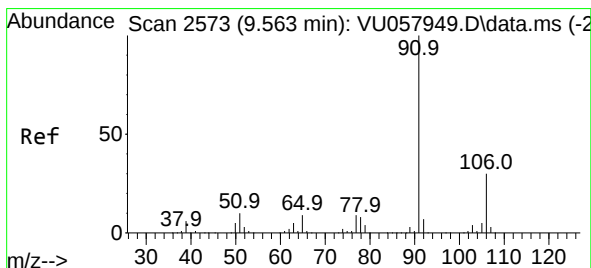
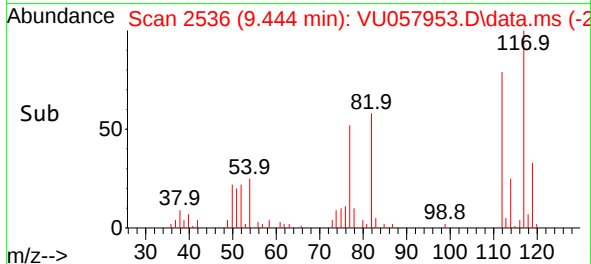
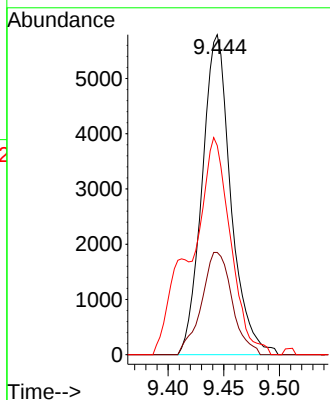
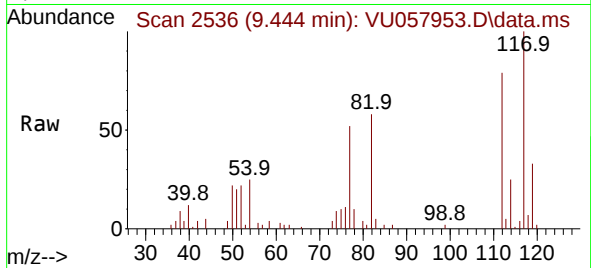
#51
Chlorobenzene
Concen: 1.789 ug/L
RT: 9.444 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:	112	Resp:	1040
Ion Ratio	Lower	Upper	
112	100		
114	30.0	22.7	42.1
77	61.3	51.8	77.8

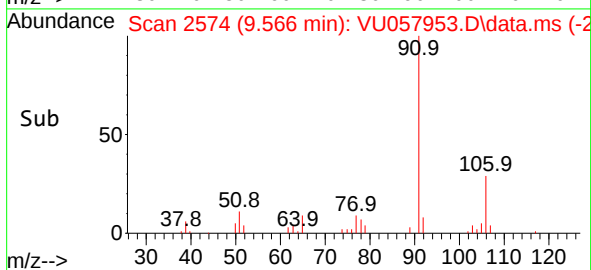
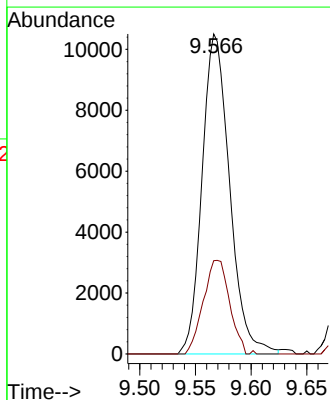
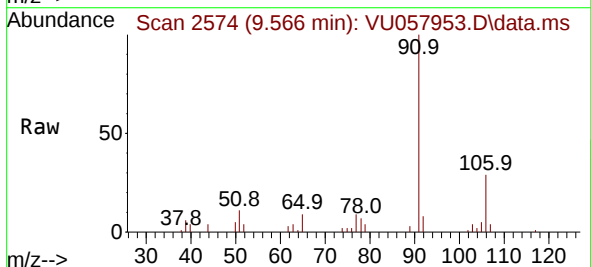
Manual Integrations
APPROVED

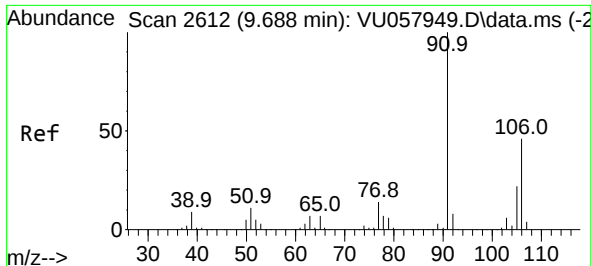
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#52
Ethylbenzene
Concen: 1.763 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion:	91	Resp:	18080
Ion Ratio	Lower	Upper	
91	100		
106	32.7	21.1	39.1





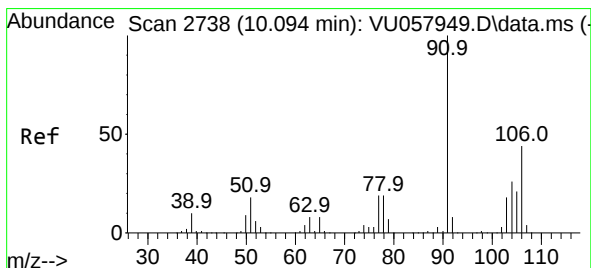
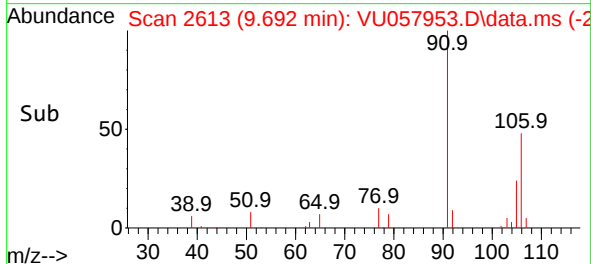
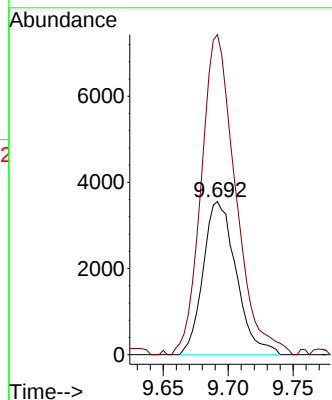
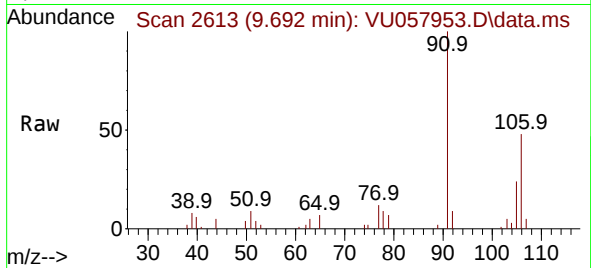
#53
m,p-Xylene
Concen: 1.688 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:106 Resp: 6290
Ion Ratio Lower Upper
106 100
91 188.1 150.2 279.0

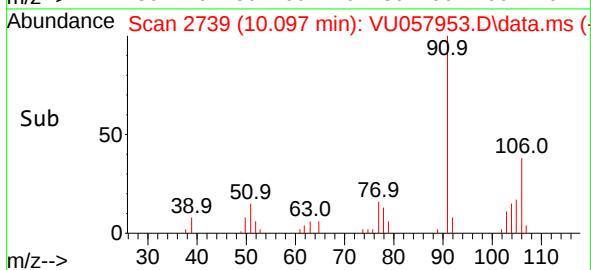
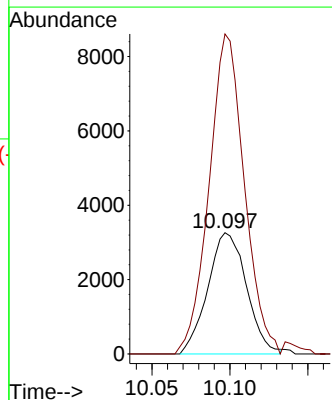
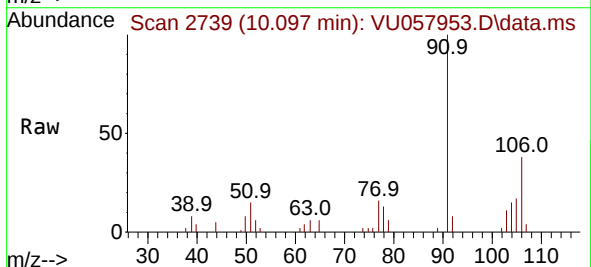
Manual Integrations
APPROVED

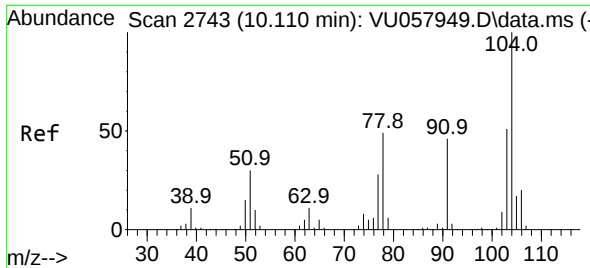
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#54
o-Xylene
Concen: 1.527 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion:106 Resp: 5627
Ion Ratio Lower Upper
106 100
91 240.4 161.3 299.5





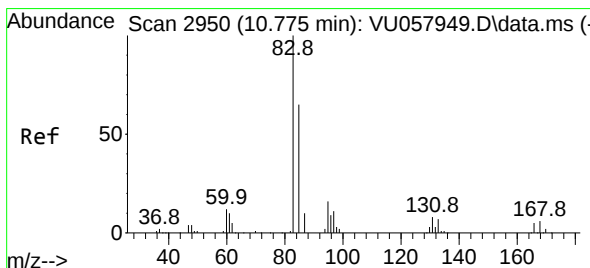
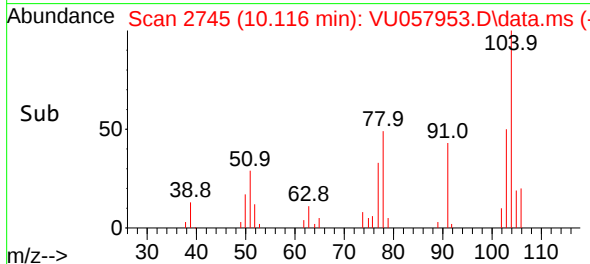
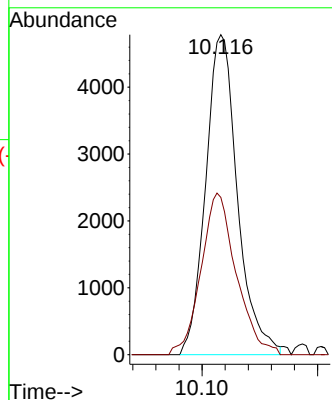
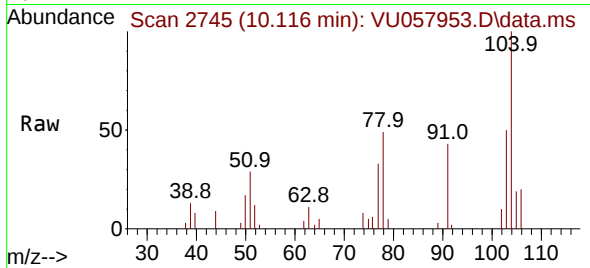
#55
Styrene
Concen: 1.451 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:104 Resp: 917
Ion Ratio Lower Upper
104 100
78 49.1 35.6 66.2

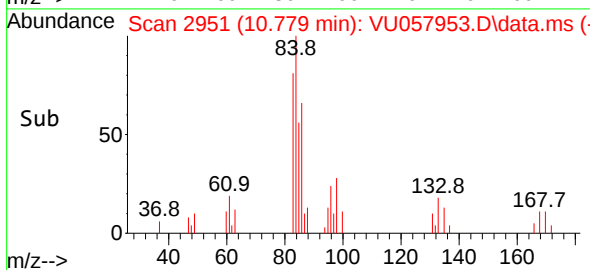
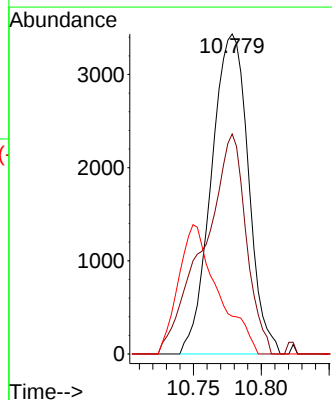
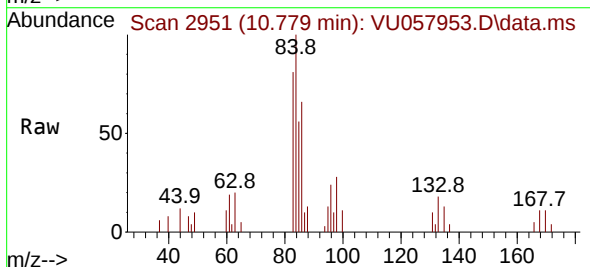
Manual Integrations
APPROVED

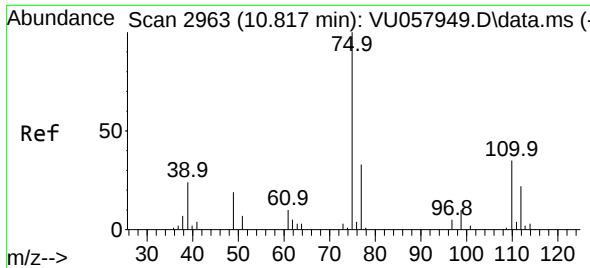
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.725 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

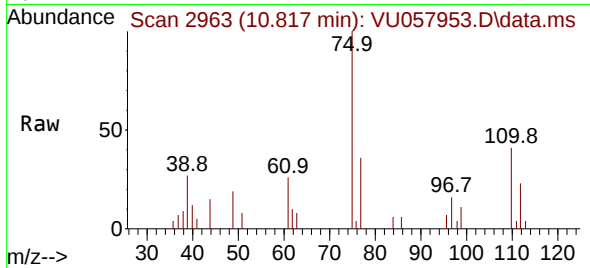
Tgt Ion: 83 Resp: 6513
Ion Ratio Lower Upper
83 100
85 68.7 45.2 84.0
131 11.8 7.8 11.6#





#60
1,2,3-Trichloropropane
Concen: 1.777 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

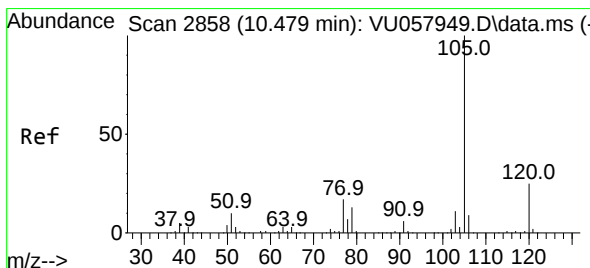
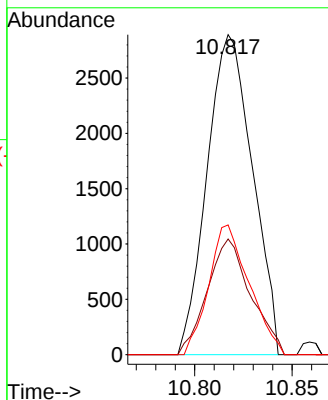
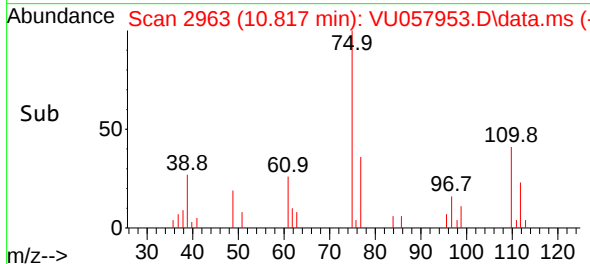
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2024-01



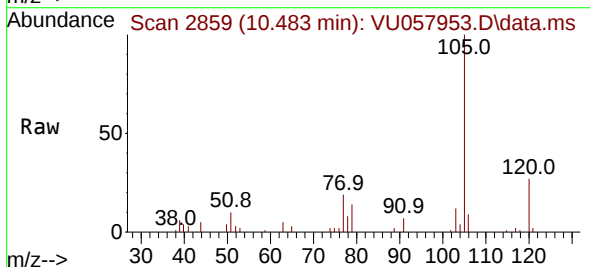
Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 34.5 25.9 38.9
110 36.1 28.3 42.5

Manual Integrations
APPROVED

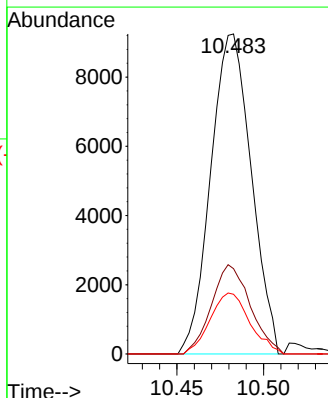
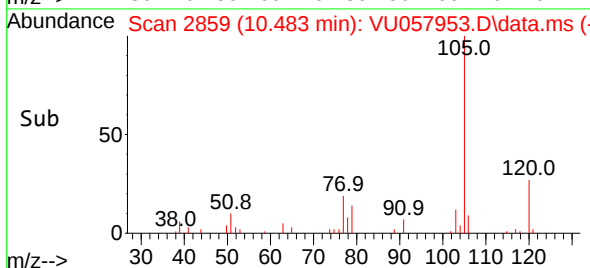
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

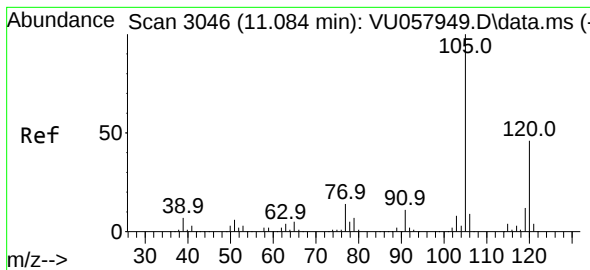


#61
Isopropylbenzene
Concen: 1.692 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56



Tgt Ion:105 Resp: 15055
Ion Ratio Lower Upper
105 100
120 26.7 20.5 30.7
77 18.6 13.5 20.3





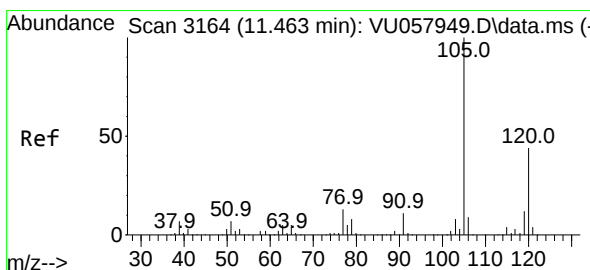
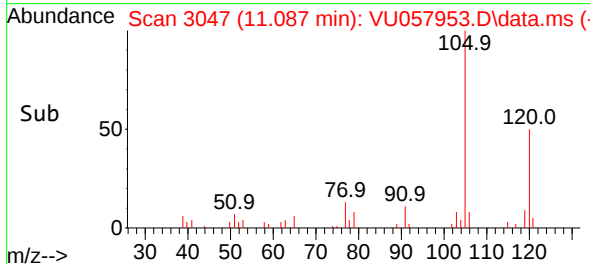
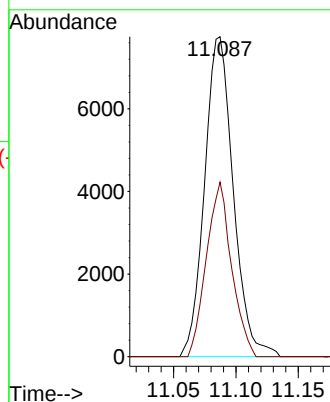
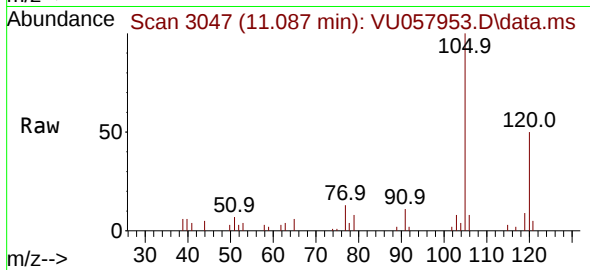
#62
1,3,5-Trimethylbenzene
Concen: 1.620 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:105 Resp: 12418
Ion Ratio Lower Upper
105 100
120 47.8 37.0 55.6

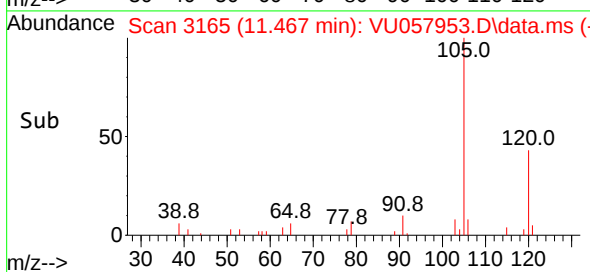
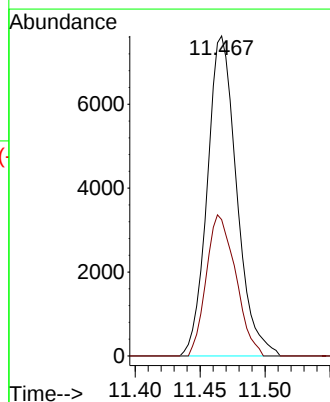
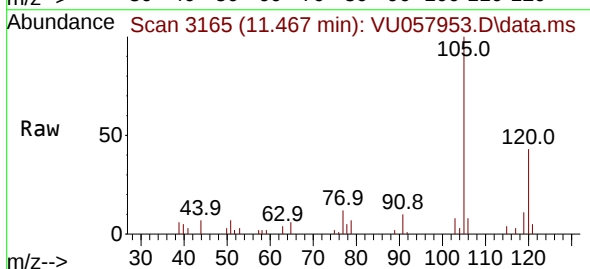
Manual Integrations
APPROVED

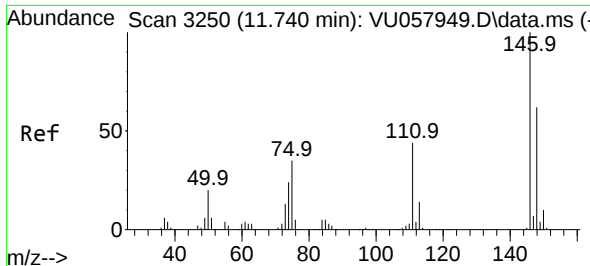
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.558 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

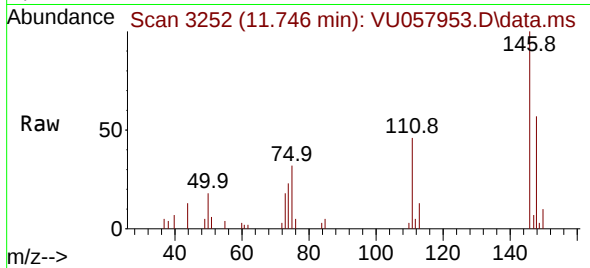
Tgt Ion:105 Resp: 12001
Ion Ratio Lower Upper
105 100
120 44.1 34.8 52.2





#64
1,3-Dichlorobenzene
Concen: 1.836 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

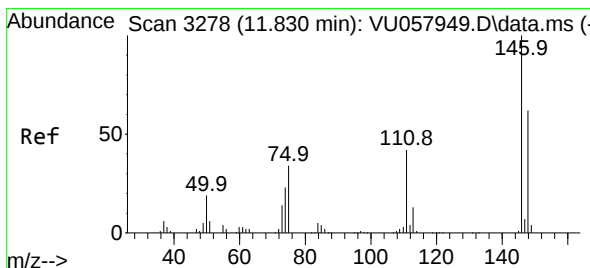
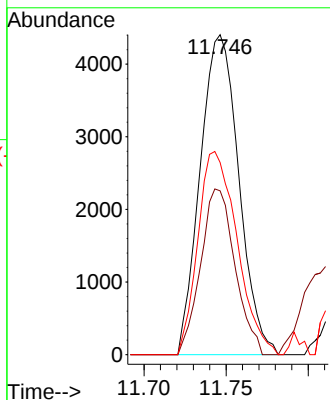
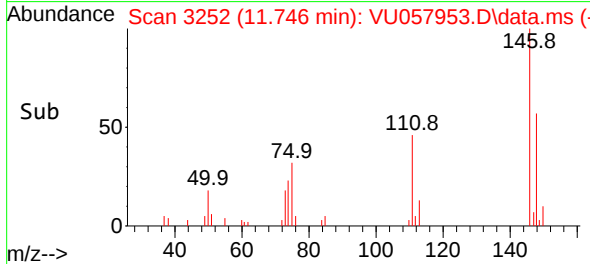
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



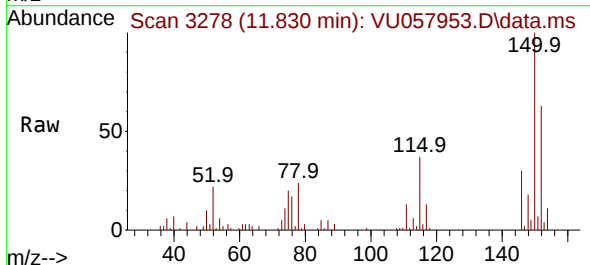
Tgt Ion:146 Resp: 722
Ion Ratio Lower Upper
146 100
111 51.2 31.6 58.6
148 60.1 45.1 83.9

Manual Integrations
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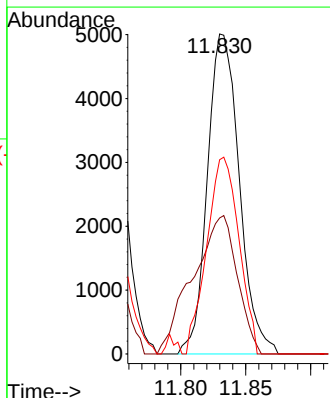
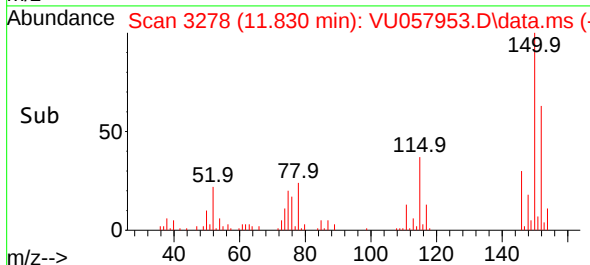
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

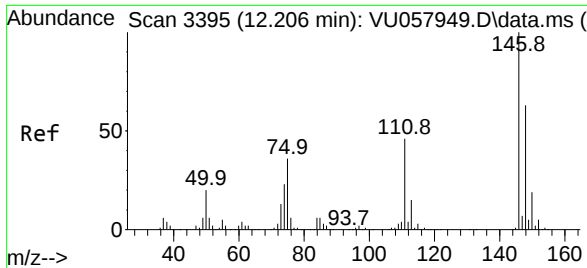


#65
1,4-Dichlorobenzene
Concen: 2.135 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56



Tgt Ion:146 Resp: 8555
Ion Ratio Lower Upper
146 100
111 43.3 29.9 55.5
148 71.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 1.910 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

Instrument :

MSVOA_U

ClientSampleId :

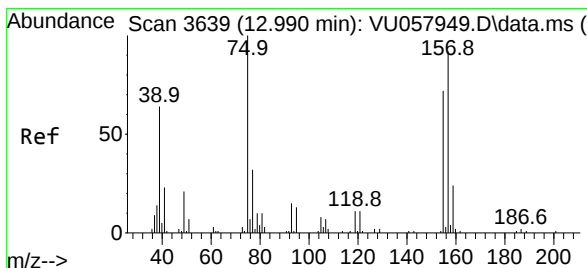
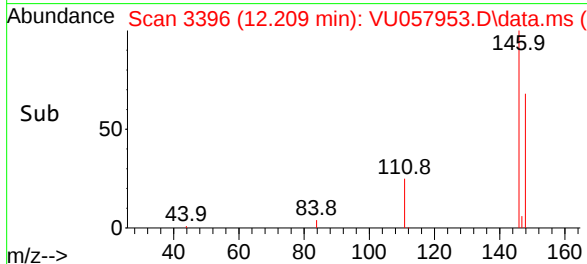
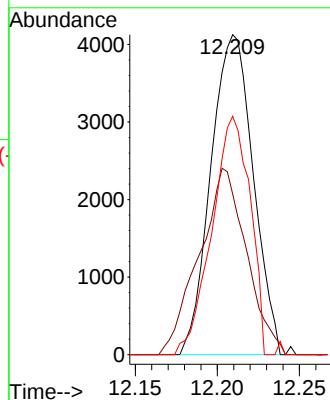
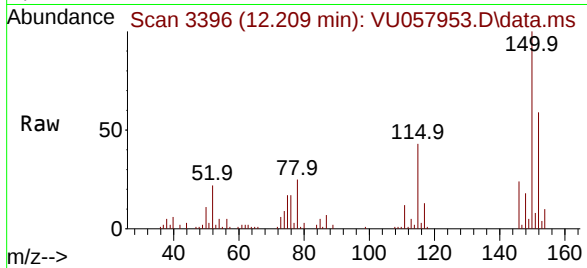
MDL-MED-SOIL-QT1-2024-01

Tgt Ion:146 Resp: 739
 Ion Ratio Lower Upper
 146 100
 111 46.2 37.3 55.9
 148 68.5 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 1.549 ug/L m

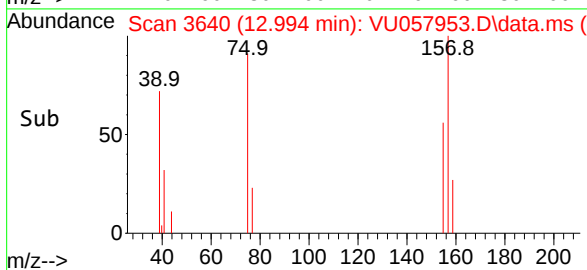
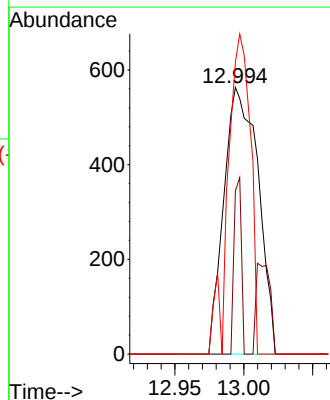
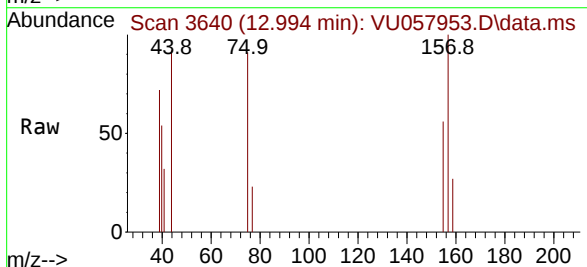
RT: 12.994 min Scan# 3640

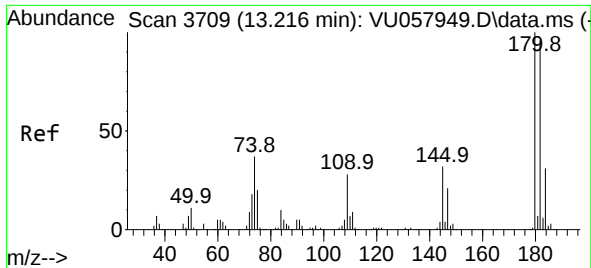
Delta R.T. 0.003 min

Lab File: VU057953.D

Acq: 27 Feb 2024 13:56

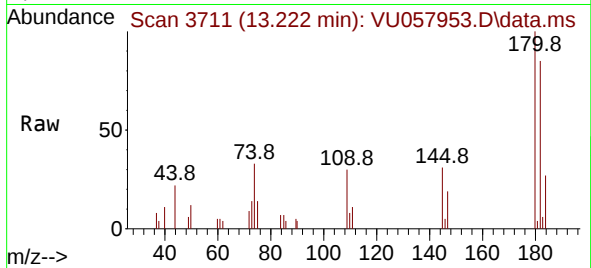
Tgt Ion: 75 Resp: 970
 Ion Ratio Lower Upper
 75 100
 155 61.3 63.2 94.8#
 157 109.6 74.6 112.0





#69
1,3,5-Trichlorobenzene
Concen: 1.705 ug/L m
RT: 13.222 min Scan# 3709
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

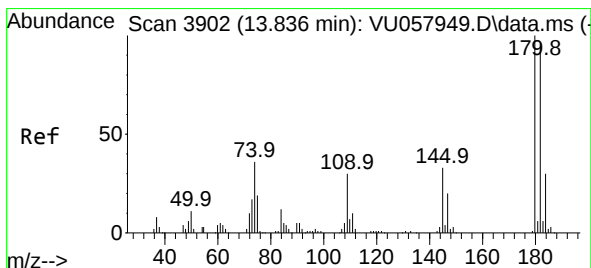
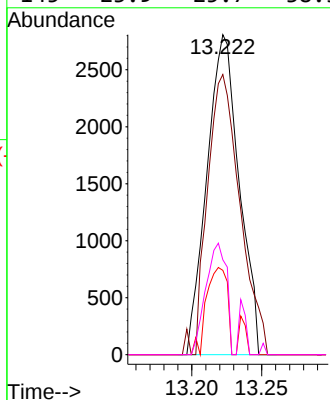
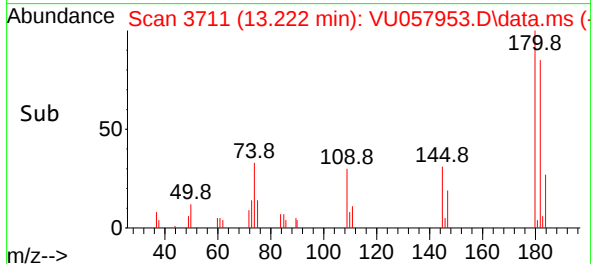
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion:180 Resp: 451
Ion Ratio Lower Upper
180 100
182 78.7 77.6 116.4
184 23.1 24.1 36.1
145 23.9 25.7 38.5#

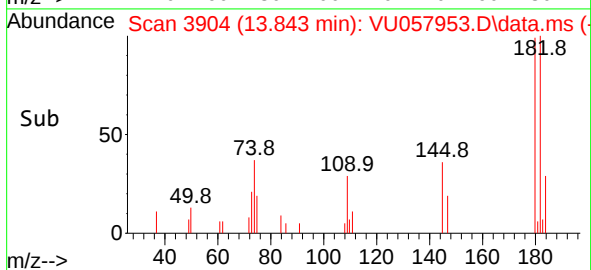
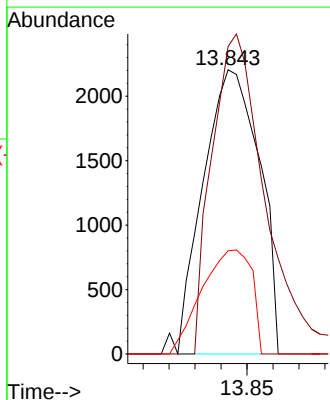
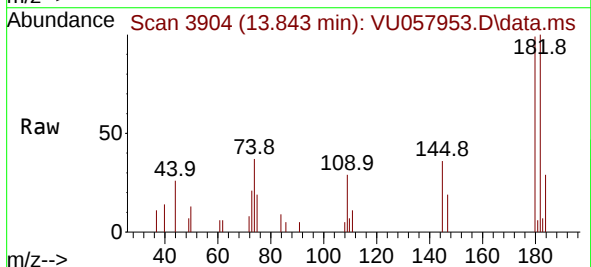
Manual Integrations
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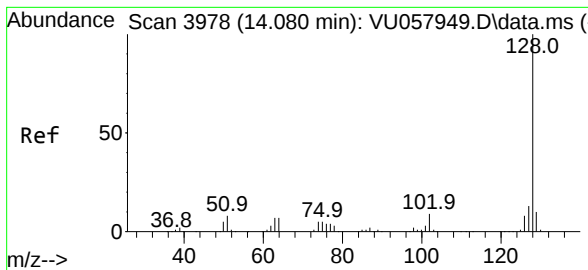
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#70
1,2,4-trichlorobenzene
Concen: 1.554 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

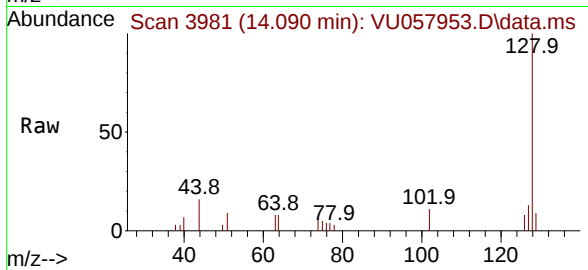
Tgt Ion:180 Resp: 3310
Ion Ratio Lower Upper
180 100
182 107.3 75.8 113.6
145 32.6 25.9 38.9





#71
Naphthalene
Concen: 1.564 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.010 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

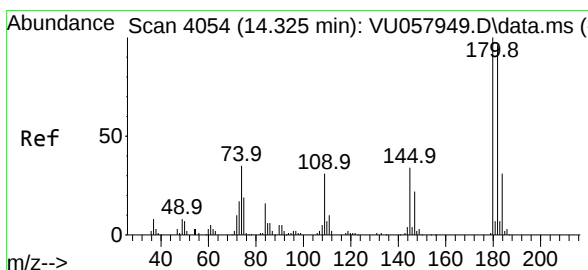
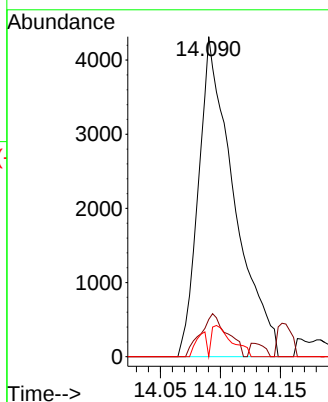
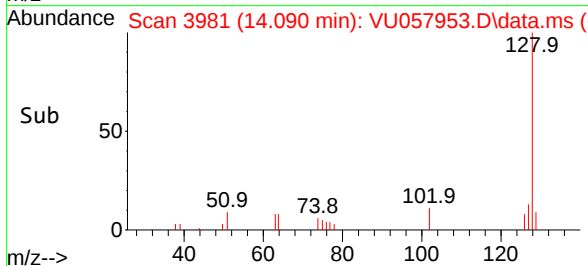
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01



Tgt Ion:128 Resp: 8840
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4
129 2.2 8.6 12.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.733 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU057953.D
Acq: 27 Feb 2024 13:56

Tgt Ion:180 Resp: 3392
Ion Ratio Lower Upper
180 100
182 100.0 75.4 113.2
145 36.4 27.8 41.8

