

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063621.D
 Acq On : 22 Sep 2025 15:57
 Operator : MD/SY
 Sample : Q2899-05
 Misc : 5.00g/5.0mL/100uL/5mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-05

Quant Time: Sep 23 05:55:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	237966	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	228114	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109395	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76051	47.648	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.300%		
7) Chloroethane-d5	1.898	69	69117	50.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.800%		
11) 1,1-Dichloroethene-d2	2.550	63	103287	36.214	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.420%		
21) 2-Butanone-d5	4.615	46	113230	102.817	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.820%		
24) Chloroform-d	5.049	84	142362	47.670	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
26) 1,2-Dichloroethane-d4	5.689	65	100283	51.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.080%		
32) Benzene-d6	5.714	84	282594	51.722	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.440%		
36) 1,2-Dichloropropane-d6	6.679	67	92019	51.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.100%		
41) Toluene-d8	7.888	98	253599	49.390	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.780%		
43) trans-1,3-Dichloroprop...	8.171	79	29372	45.432	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.860%		
47) 2-Hexanone-d5	8.624	63	66409	101.539	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.540%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	136367	49.616	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.240%		
66) 1,2-Dichlorobenzene-d4	12.183	152	94995	51.674	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2822	2.204	ug/L	96
3) Chloromethane	1.515	50	4236	2.566	ug/L	100
5) Vinyl chloride	1.595	62	4651	2.367	ug/L #	68
6) Bromomethane	1.840	94	3037	2.439	ug/L	93
8) Chloroethane	1.917	64	2898	2.177	ug/L	91
9) Trichlorofluoromethane	2.123	101	6108	2.134	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	4345	2.759	ug/L #	75
12) 1,1-Dichloroethene	2.563	96	3553	2.536	ug/L #	1
13) Acetone	2.621	43	5214	3.967	ug/L	93
14) Carbon disulfide	2.779	76	7678	2.112	ug/L	100
15) Methyl Acetate	2.962	43	4149m	2.128	ug/L	
16) Methylene chloride	3.029	84	6716	3.791	ug/L	90
17) trans-1,2-Dichloroethene	3.341	96	3245	2.151	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	10017	2.053	ug/L	96
19) 1,1-Dichloroethane	3.859	63	5696	1.855	ug/L #	87
20) cis-1,2-Dichloroethene	4.653	96	3507	1.985	ug/L	97
22) 2-Butanone	4.737	43	8437m	5.555	ug/L	
23) Bromochloromethane	4.968	128	1786	1.929	ug/L	94
25) Chloroform	5.071	83	7530	2.309	ug/L	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6146m	2.281	ug/L	
29) Cyclohexane	5.370	56	5429	2.025	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	4661	1.859	ug/L	98
31) Carbon tetrachloride	5.512	117	3519m	1.771	ug/L	
33) Benzene	5.762	78	13589	2.051	ug/L	100
34) Trichloroethene	6.537	95	4070	2.194	ug/L	90
35) Methylcyclohexane	6.753	83	5792	2.187	ug/L #	91
37) 1,2-Dichloropropane	6.785	63	4283m	2.335	ug/L	
38) Bromodichloromethane	7.097	83	3908	1.797	ug/L #	87
39) cis-1,3-Dichloropropene	7.602	75	4677	1.961	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	12228m	4.626	ug/L	
42) Toluene	7.962	91	15477	2.131	ug/L	95
44) trans-1,3-Dichloropropene	8.206	75	4107	2.028	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	4121	2.314	ug/L	86
46) Tetrachloroethene	8.547	164	2591	1.918	ug/L	90
48) 2-Hexanone	8.682	43	15225m	7.614	ug/L	
49) Dibromochloromethane	8.798	129	2763	1.733	ug/L	98
50) 1,2-Dibromoethane	8.917	107	3765	2.042	ug/L #	99
51) Chlorobenzene	9.441	112	10204	2.123	ug/L	99
52) Ethylbenzene	9.563	91	15841	1.973	ug/L	90
53) m,p-Xylene	9.688	106	5837	1.948	ug/L	94
54) o-Xylene	10.094	106	6011	2.014	ug/L	83
55) Styrene	10.116	104	8791	1.802	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.772	83	7005	2.327	ug/L #	94
60) 1,2,3-Trichloropropane	10.814	75	5362	2.325	ug/L	96
61) Isopropylbenzene	10.479	105	15112	2.025	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	11992	1.954	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	11404	1.917	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	7218	2.123	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	7916	2.301	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	7810	2.336	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	12.994	75	907m	1.753	ug/L	
69) 1,3,5-Trichlorobenzene	13.222	180	4905	2.063	ug/L	97
70) 1,2,4-trichlorobenzene	13.849	180	4368	2.226	ug/L #	87
71) Naphthalene	14.097	128	12335	2.313	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	4162	2.212	ug/L	99

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

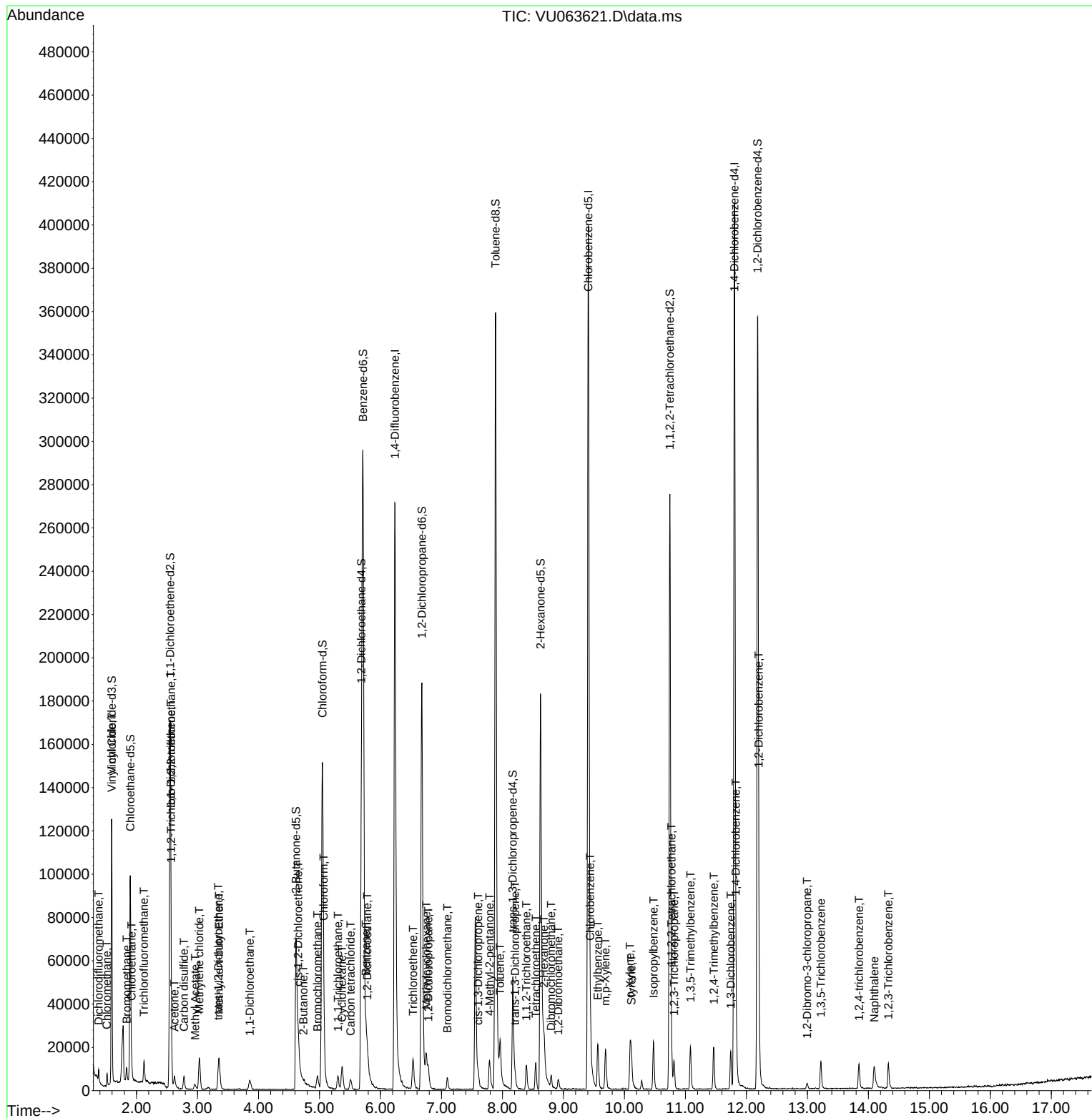
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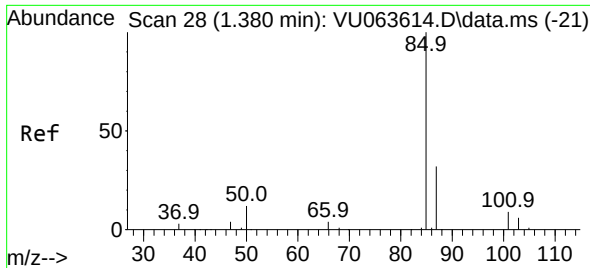
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ClientSampleId :
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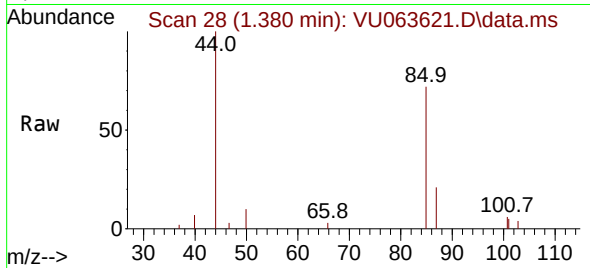
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025





#2
Dichlorodifluoromethane
Concen: 2.204 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

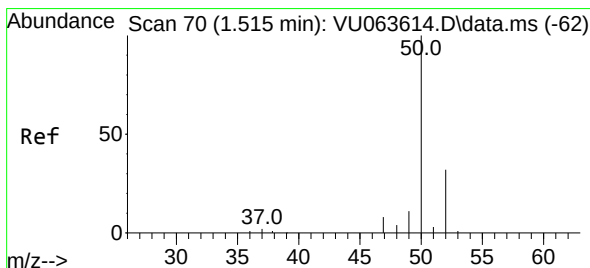
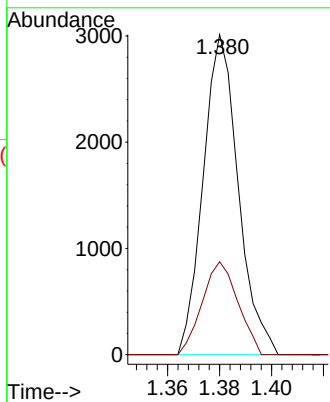
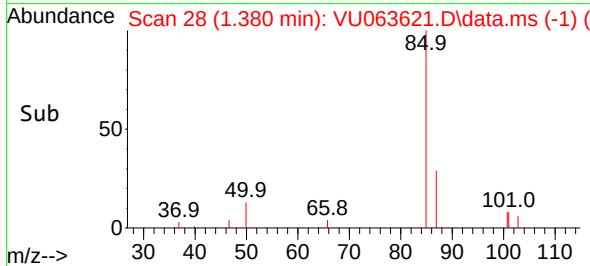
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 85 Resp: 282
Ion Ratio Lower Upper
85 100
87 29.6 25.5 38.3

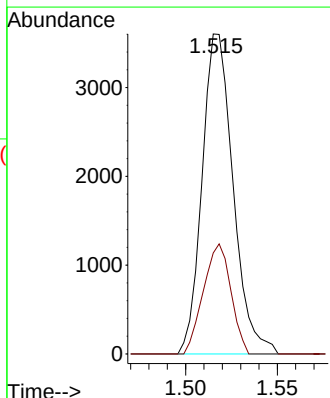
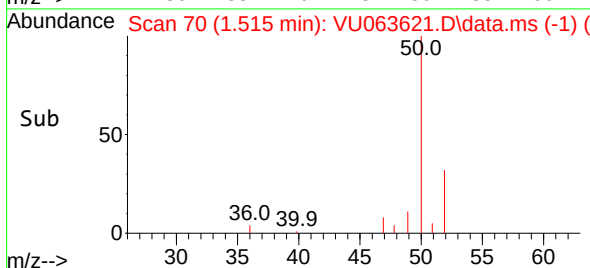
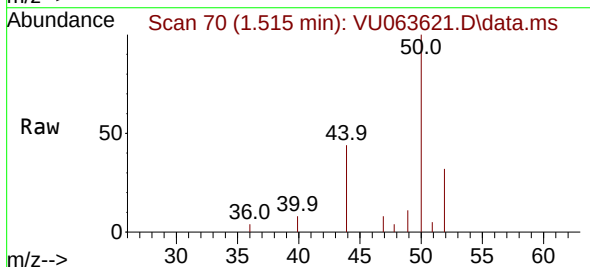
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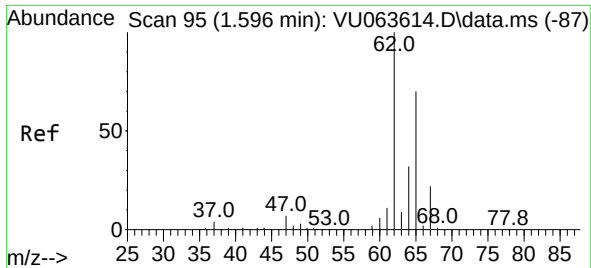
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#3
Chloromethane
Concen: 2.566 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

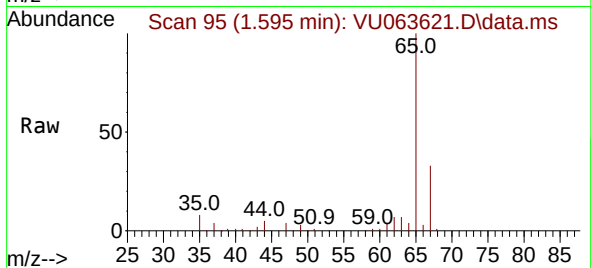
Tgt Ion: 50 Resp: 4236
Ion Ratio Lower Upper
50 100
52 31.5 22.2 41.2





#5
 Vinyl chloride
 Concen: 2.367 ug/L
 RT: 1.595 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

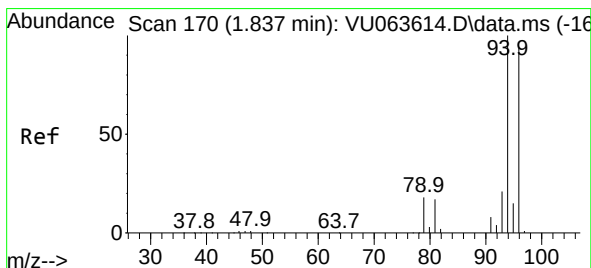
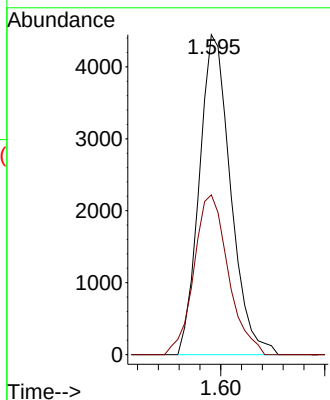
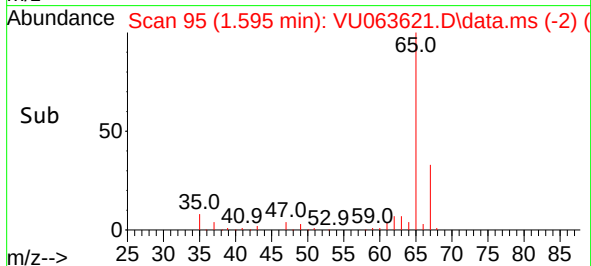
Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 62 Resp: 465
 Ion Ratio Lower Upper
 62 100
 64 49.9 22.5 41.7

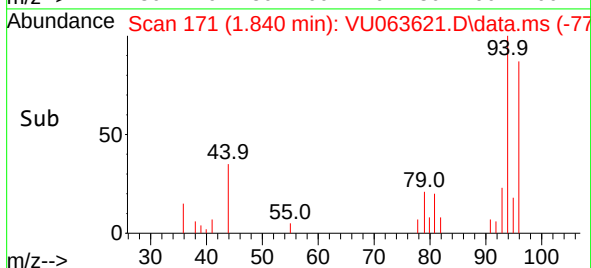
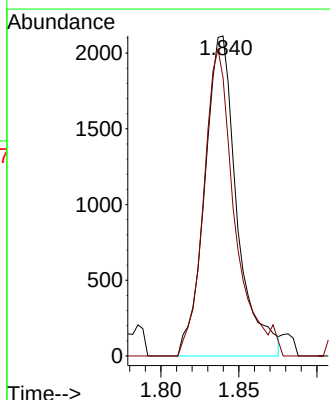
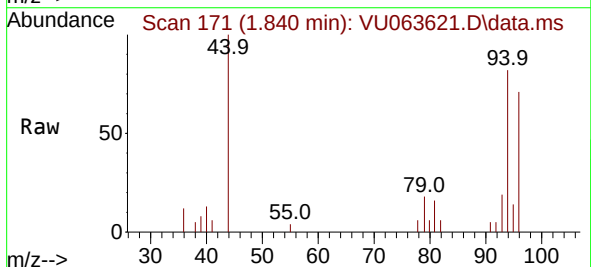
Manual Integrations
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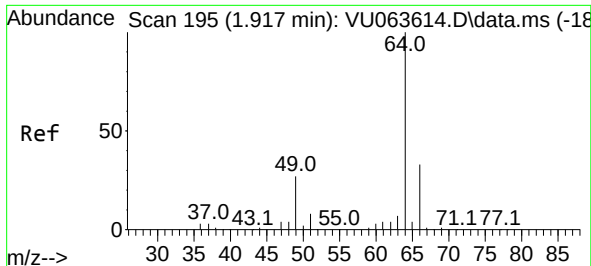
Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025



#6
 Bromomethane
 Concen: 2.439 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. 0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

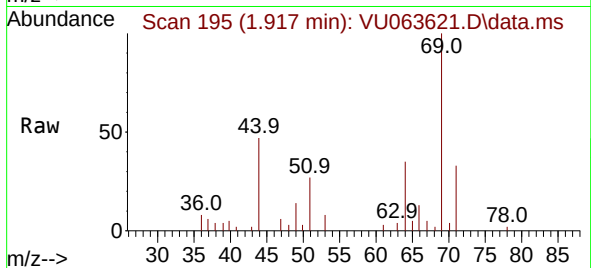
Tgt Ion: 94 Resp: 3037
 Ion Ratio Lower Upper
 94 100
 96 87.0 65.7 122.1





#8
Chloroethane
Concen: 2.177 ug/L
RT: 1.917 min Scan# 195
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

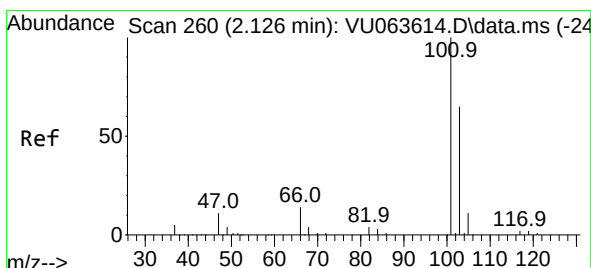
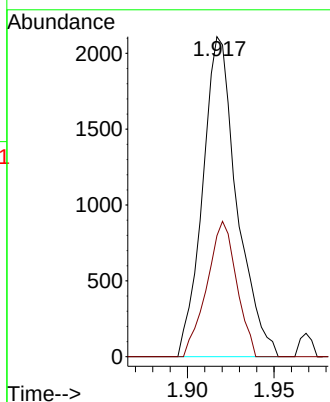
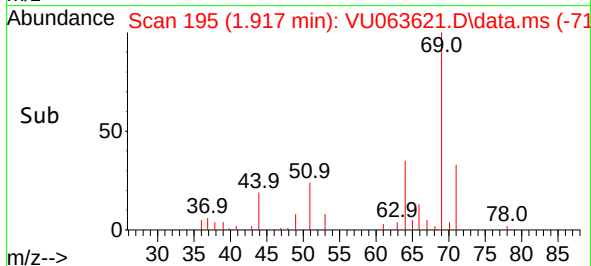
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05



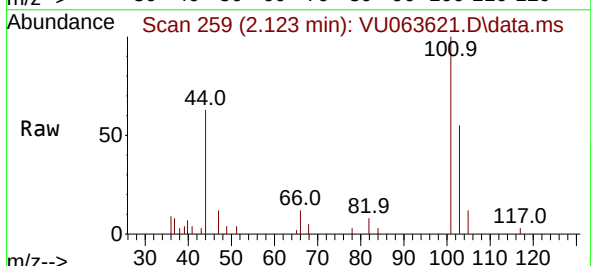
Tgt Ion: 64 Resp: 2898
Ion Ratio Lower Upper
64 100
66 37.8 22.8 42.4

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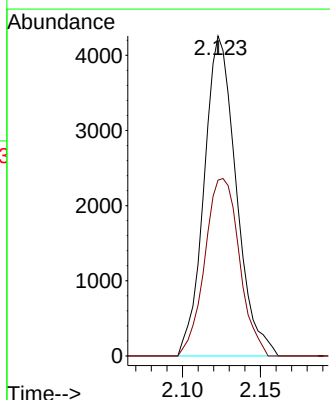
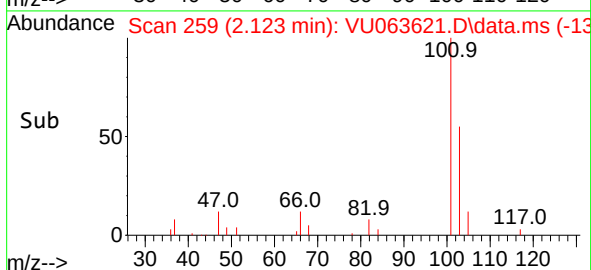
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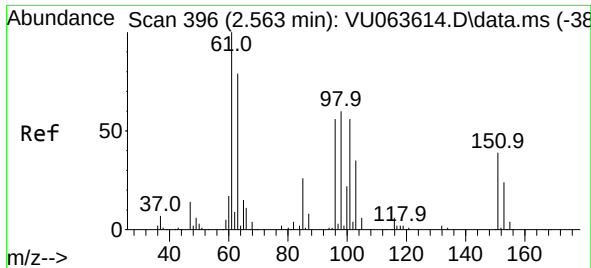


#9
Trichlorofluoromethane
Concen: 2.134 ug/L
RT: 2.123 min Scan# 259
Delta R.T. -0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57



Tgt Ion:101 Resp: 6108
Ion Ratio Lower Upper
101 100
103 59.6 51.1 76.7





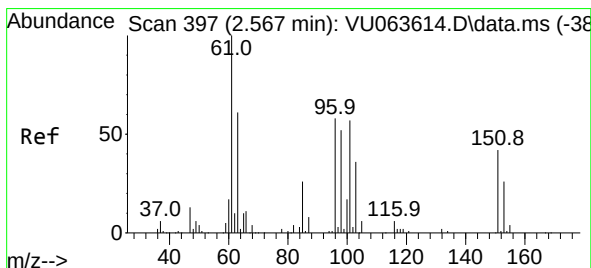
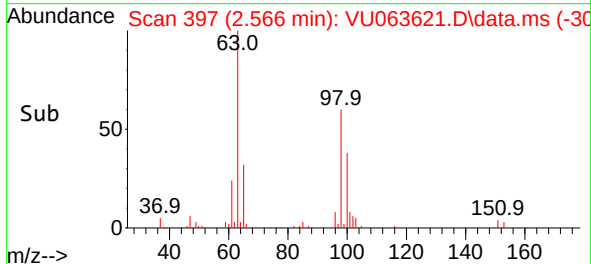
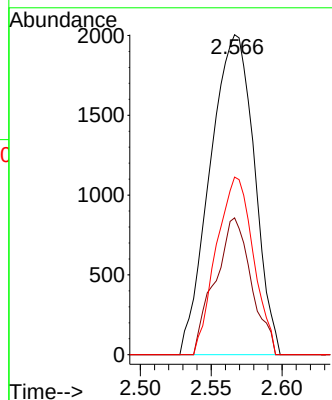
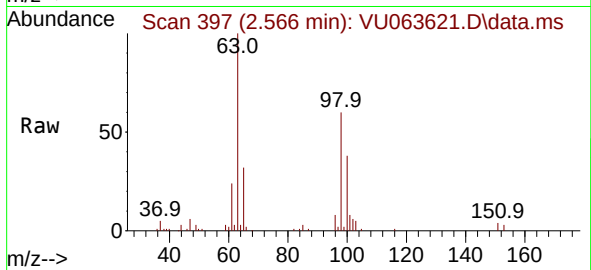
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 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.759 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. 0.003 min
 Lab File: VU063621.D
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Tgt Ion: 101 Resp: 434
 Ion Ratio Lower Upper
 101 100
 85 35.1 36.8 55.2
 151 46.6 58.0 87.0

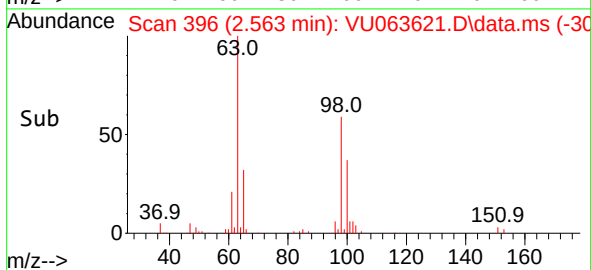
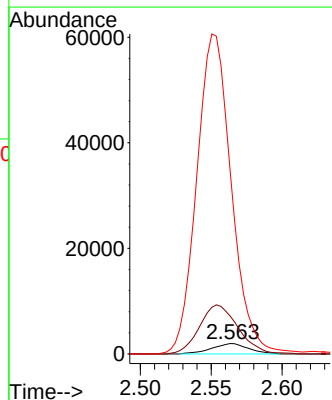
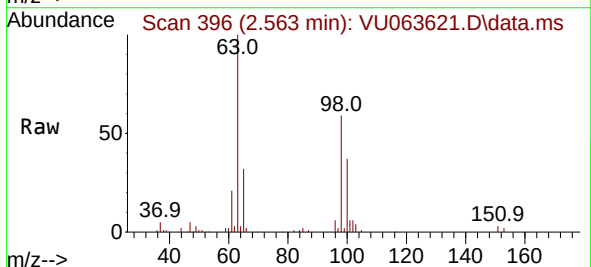
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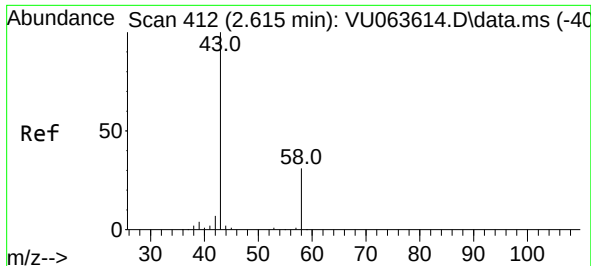
Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025



#12
 1,1-Dichloroethene
 Concen: 2.536 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

Tgt Ion: 96 Resp: 3553
 Ion Ratio Lower Upper
 96 100
 61 364.5 121.4 225.4#
 63 1765.3 81.5 151.3#





#13

Acetone

Concen: 3.967 ug/L

RT: 2.621 min Scan# 412

Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

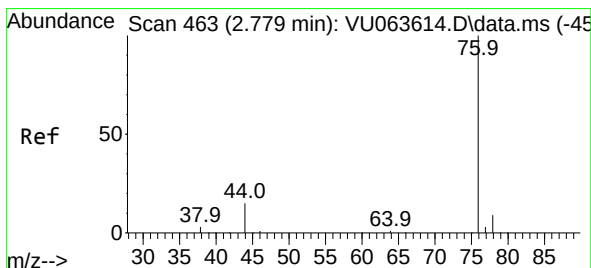
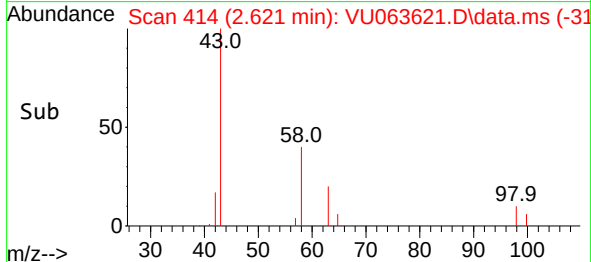
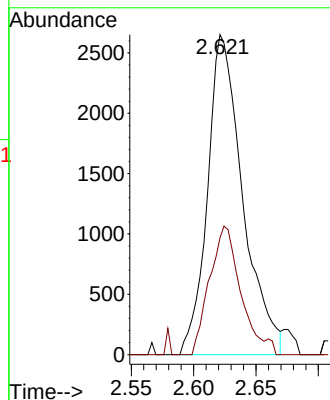
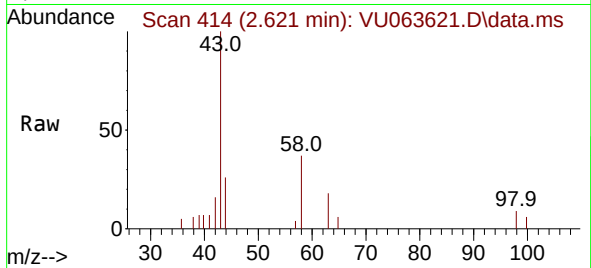
MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 43 Resp: 5214
 Ion Ratio Lower Upper
 43 100
 58 34.9 0.0 62.4

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#14

Carbon disulfide

Concen: 2.112 ug/L

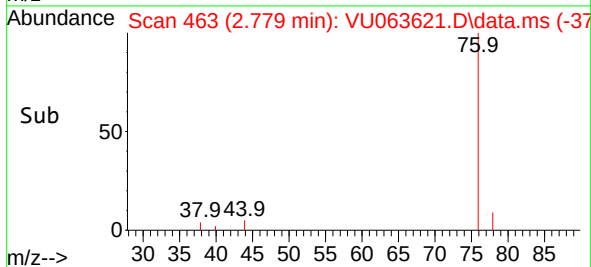
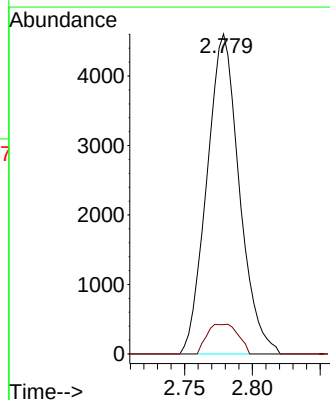
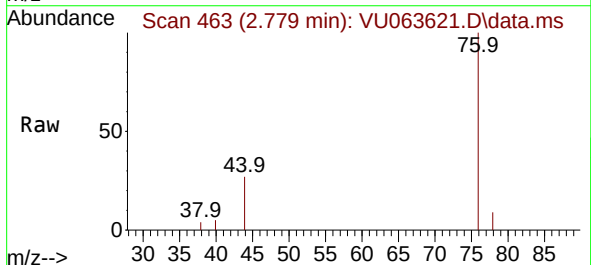
RT: 2.779 min Scan# 463

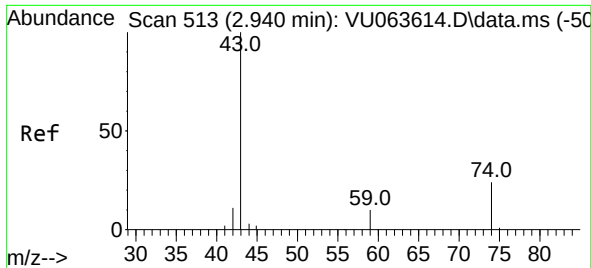
Delta R.T. -0.000 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

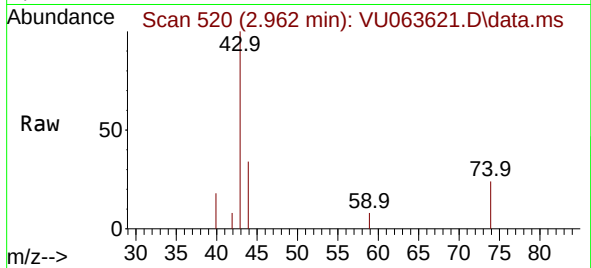
Tgt Ion: 76 Resp: 7678
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.4 11.2





#15
Methyl Acetate
Concen: 2.128 ug/L m
RT: 2.962 min Scan# 513
Delta R.T. 0.022 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

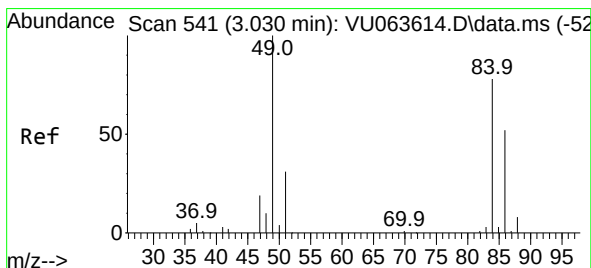
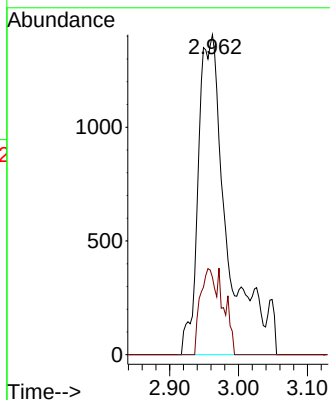
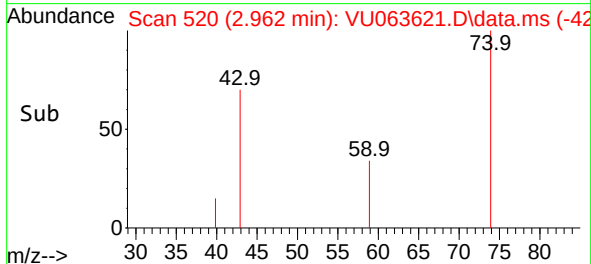
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 43 Resp: 4149
Ion Ratio Lower Upper
43 100
74 13.8 18.0 27.0

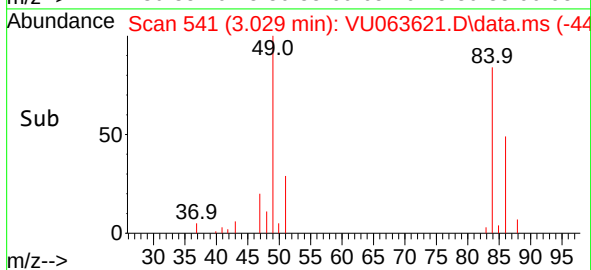
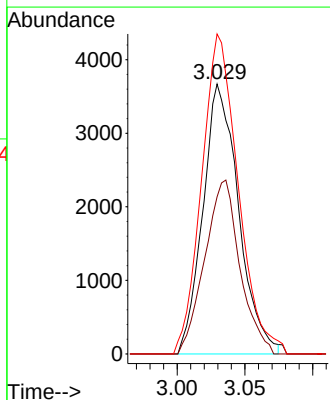
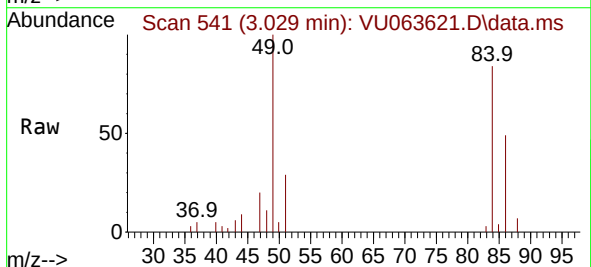
Manual Integrations
APPROVED

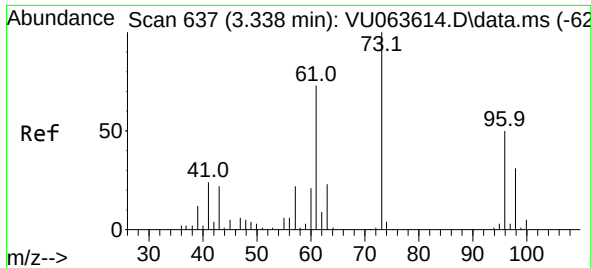
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#16
Methylene chloride
Concen: 3.791 ug/L
RT: 3.029 min Scan# 541
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

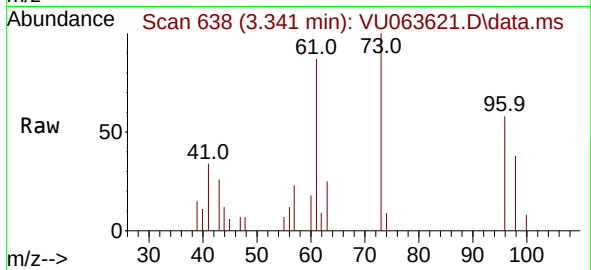
Tgt Ion: 84 Resp: 6716
Ion Ratio Lower Upper
84 100
86 58.2 47.2 87.6
49 118.6 90.2 167.4





#17
trans-1,2-Dichloroethene
Concen: 2.151 ug/L
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

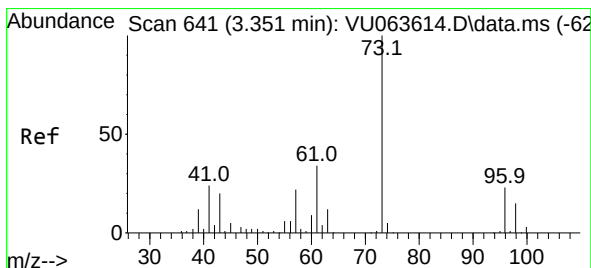
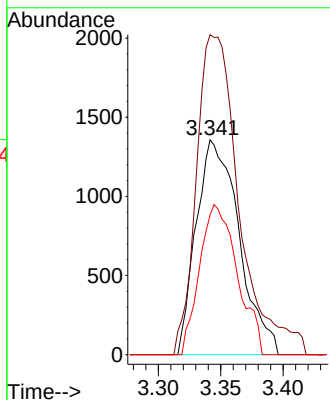
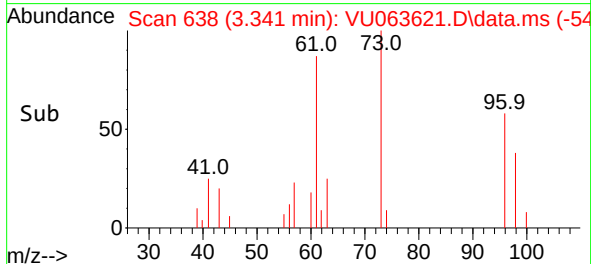
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 96 Resp: 324
Ion Ratio Lower Upper
96 100
61 148.9 102.2 189.8
98 64.9 43.7 81.1

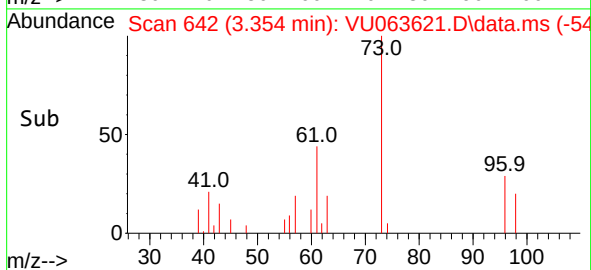
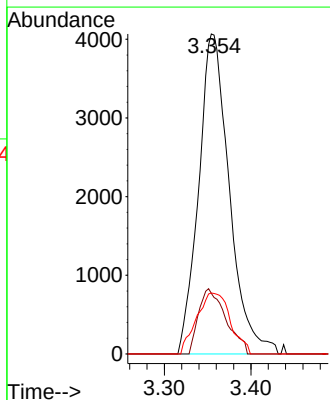
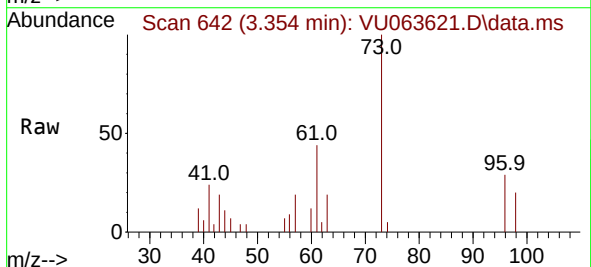
Manual Integrations
APPROVED

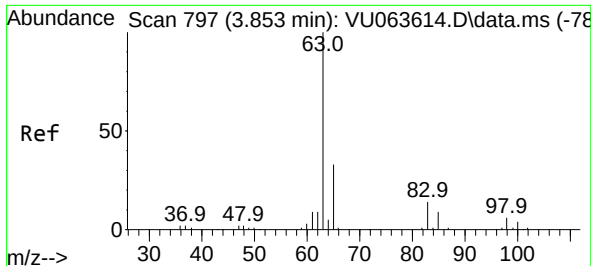
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#18
Methyl tert-butyl Ether
Concen: 2.053 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 73 Resp: 10017
Ion Ratio Lower Upper
73 100
43 18.1 16.5 24.7
57 20.9 17.8 26.6





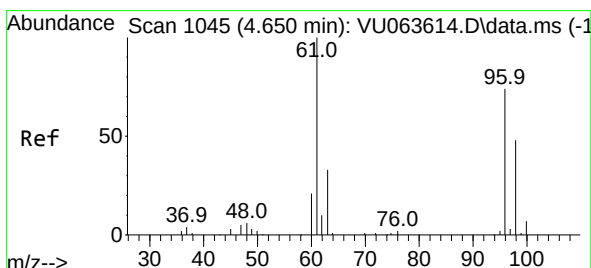
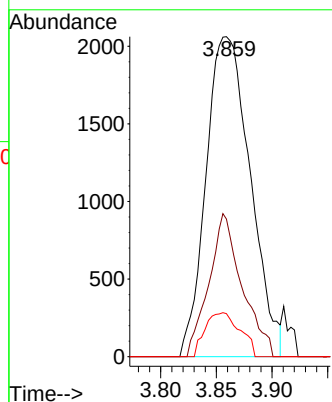
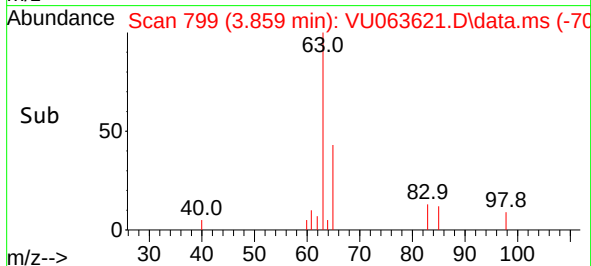
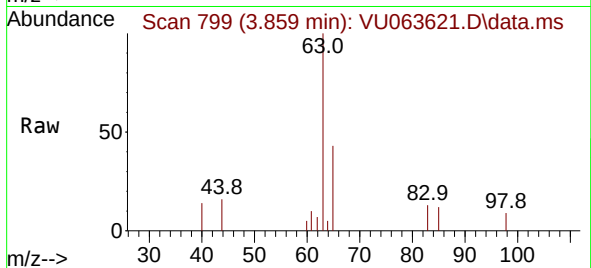
#19
1,1-Dichloroethane
Concen: 1.855 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.006 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 63 Resp: 5690
Ion Ratio Lower Upper
63 100
65 43.0 23.0 42.8
83 13.4 9.7 17.9

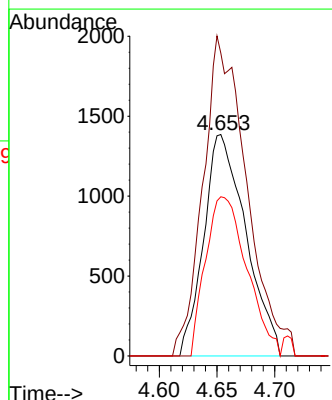
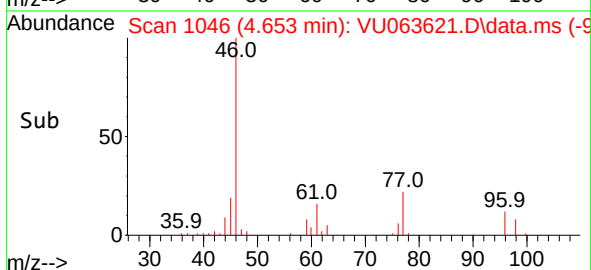
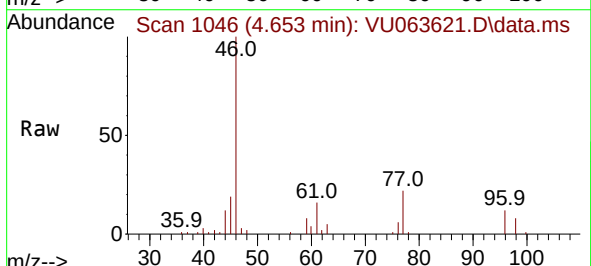
Manual Integrations
APPROVED

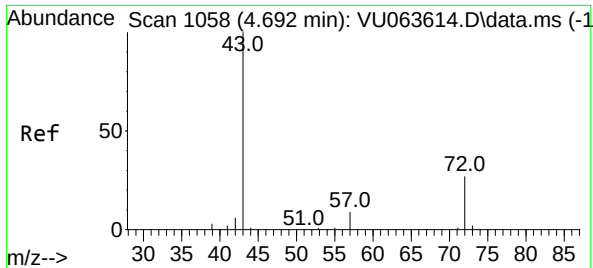
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#20
cis-1,2-Dichloroethene
Concen: 1.985 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

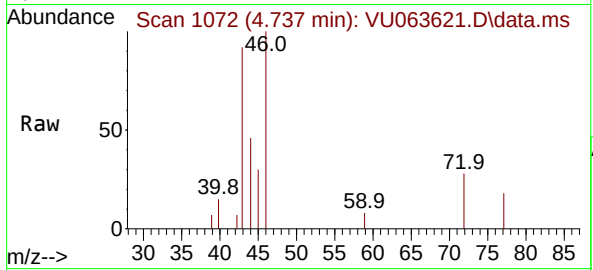
Tgt Ion: 96 Resp: 3507
Ion Ratio Lower Upper
96 100
61 136.8 95.5 177.3
98 71.9 46.1 85.7





#22
2-Butanone
Concen: 5.555 ug/L m
RT: 4.737 min Scan# 1058
Delta R.T. 0.045 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

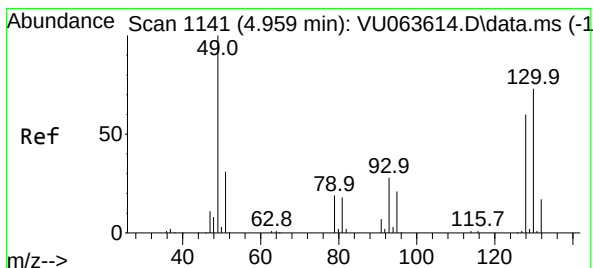
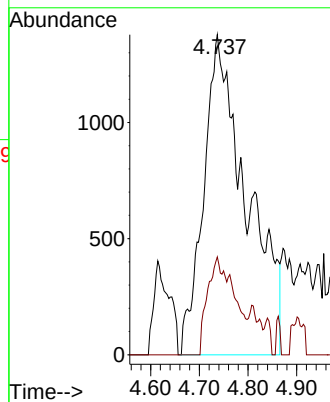
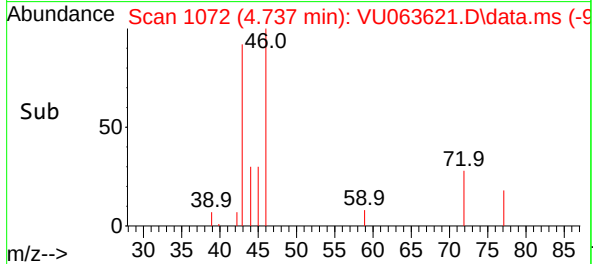
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
72 9.8 12.7 38.1

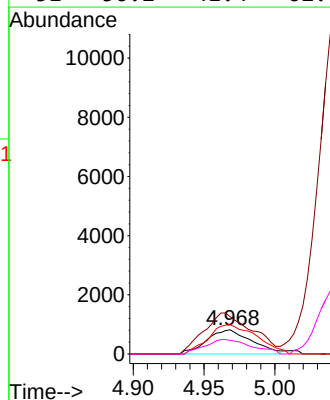
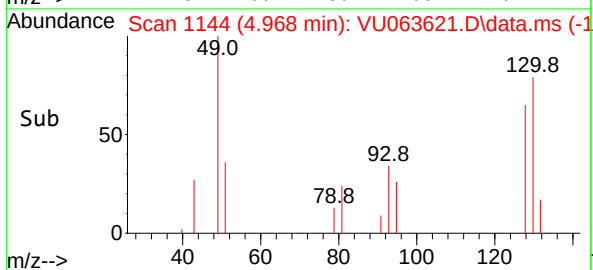
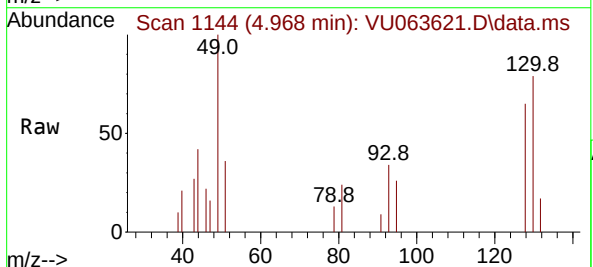
Manual Integrations
APPROVED

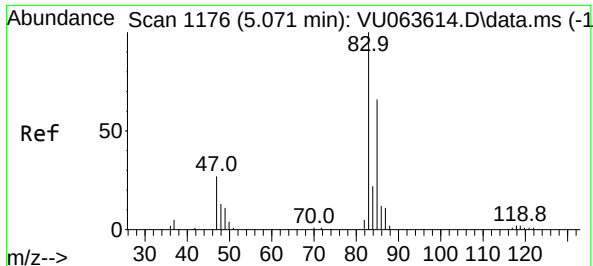
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#23
Bromochloromethane
Concen: 1.929 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:128 Resp: 1786
Ion Ratio Lower Upper
128 100
49 154.0 116.6 216.5
130 121.2 85.6 159.0
51 56.2 41.4 62.0





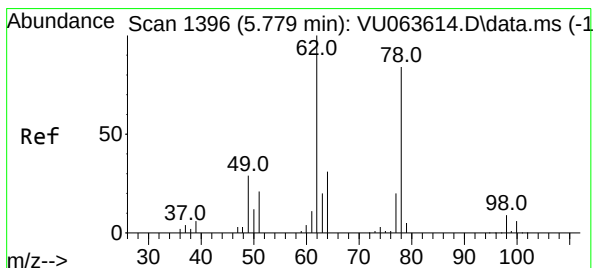
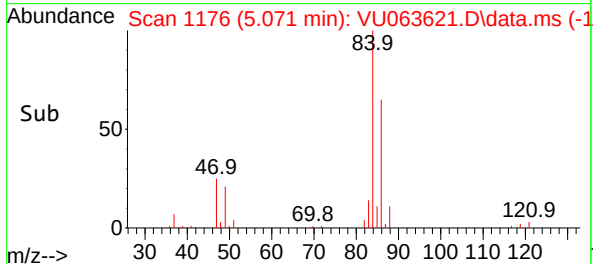
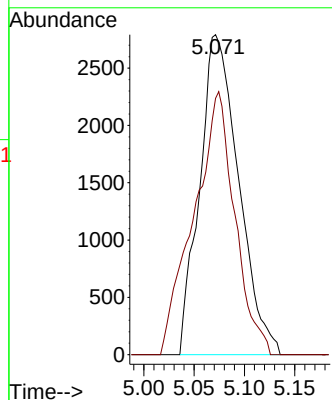
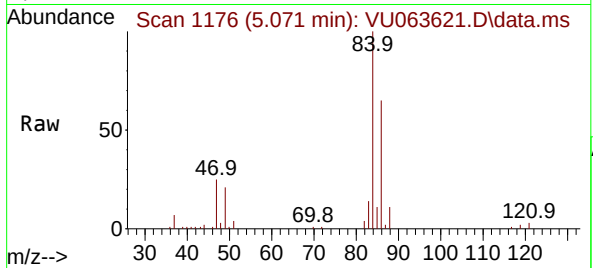
#25
Chloroform
Concen: 2.309 ug/L
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 83 Resp: 7530
Ion Ratio Lower Upper
83 100
85 80.1 46.1 85.7

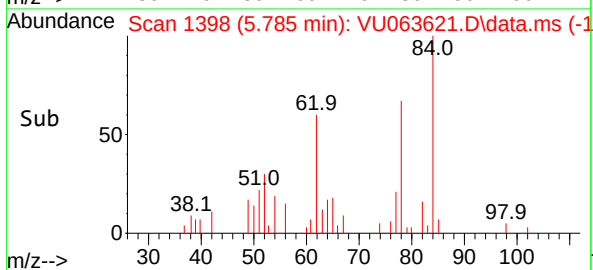
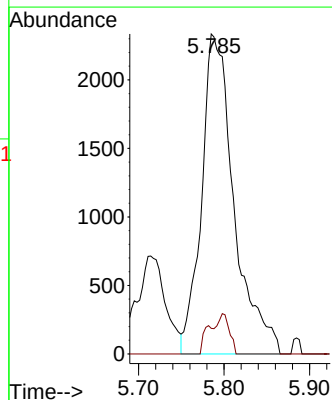
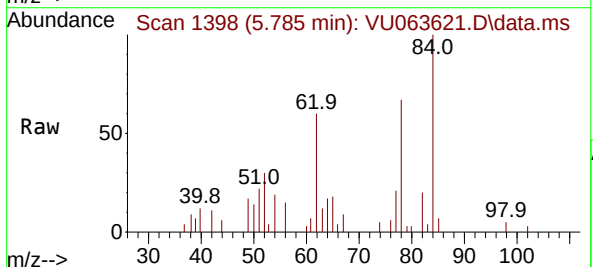
Manual Integrations
APPROVED

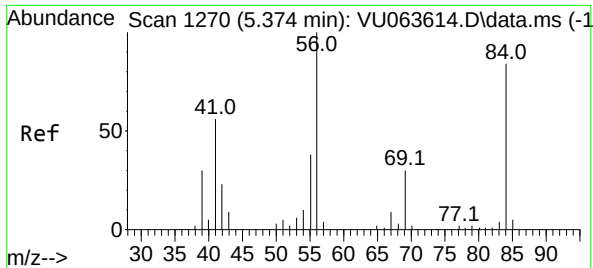
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#27
1,2-Dichloroethane
Concen: 2.281 ug/L m
RT: 5.785 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 62 Resp: 6146
Ion Ratio Lower Upper
62 100
98 8.0 7.1 10.7





#29

Cyclohexane

Concen: 2.025 ug/L

RT: 5.370 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

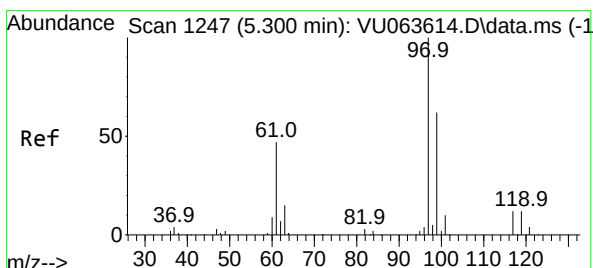
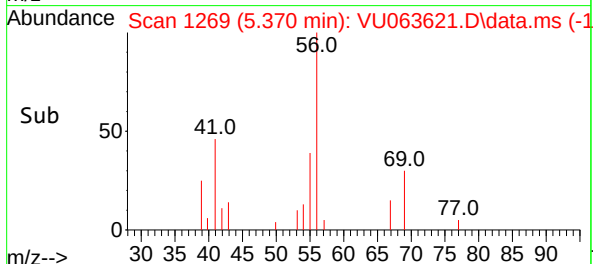
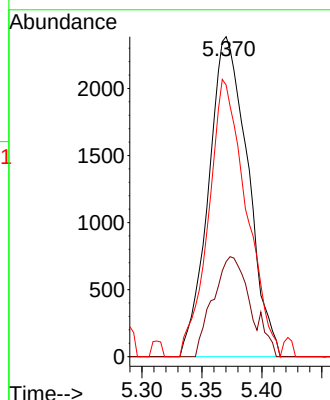
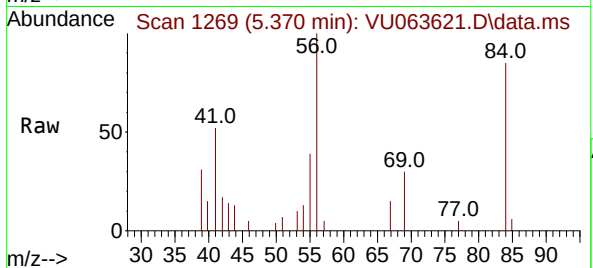
MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 56	Resp: 5429
Ion Ratio	Lower Upper
56 100	
69 27.1	24.0 36.0
84 83.3	65.7 98.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#30

1,1,1-Trichloroethane

Concen: 1.859 ug/L

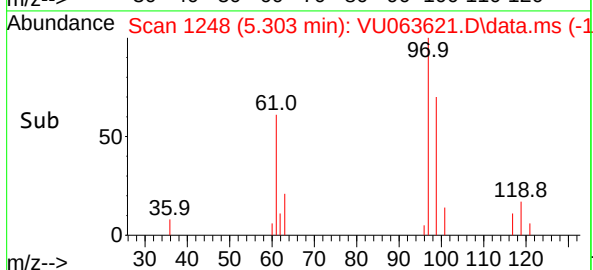
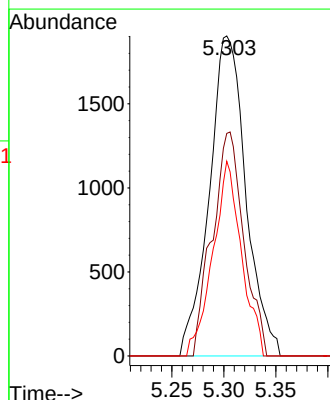
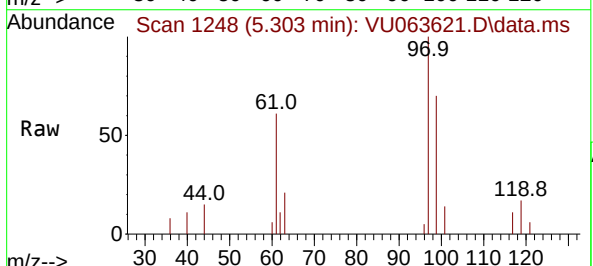
RT: 5.303 min Scan# 1248

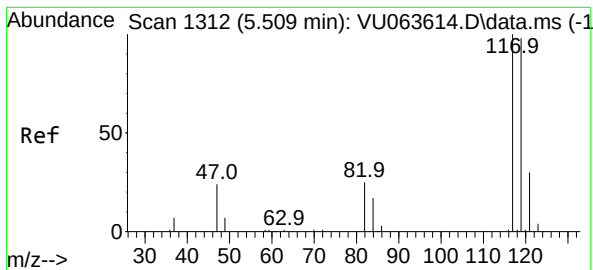
Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

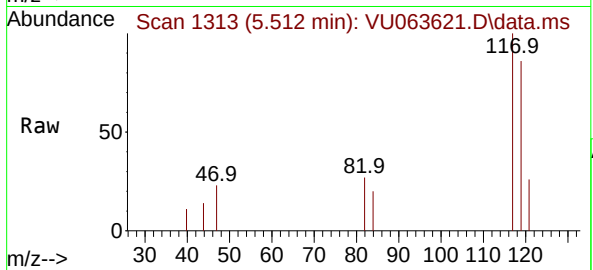
Tgt Ion: 97	Resp: 4661
Ion Ratio	Lower Upper
97 100	
99 60.6	50.6 75.8
61 47.6	38.0 57.0





#31
Carbon tetrachloride
Concen: 1.771 ug/L m
RT: 5.512 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

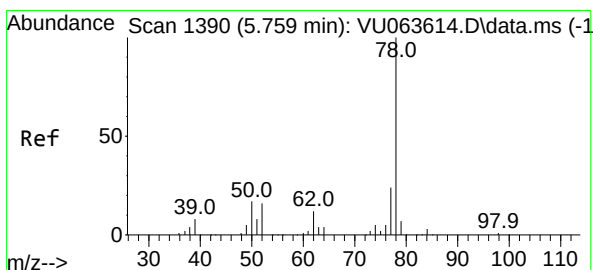
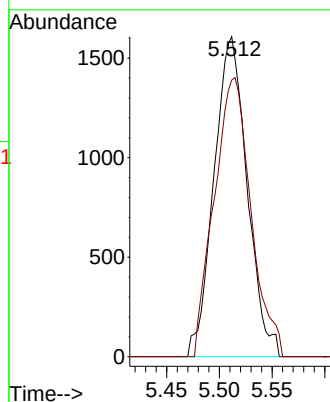
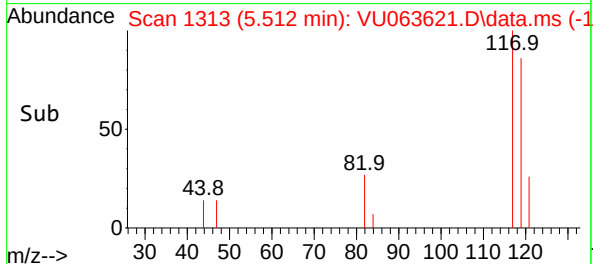
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 117 Resp: 3519
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6

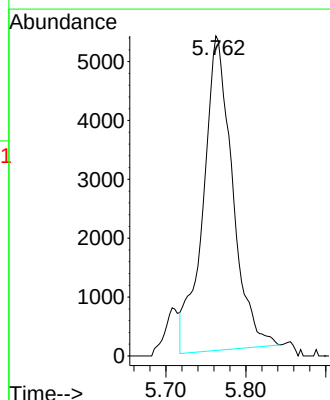
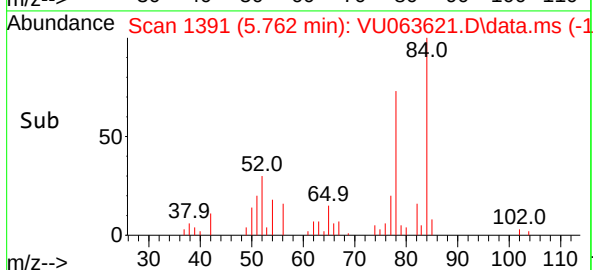
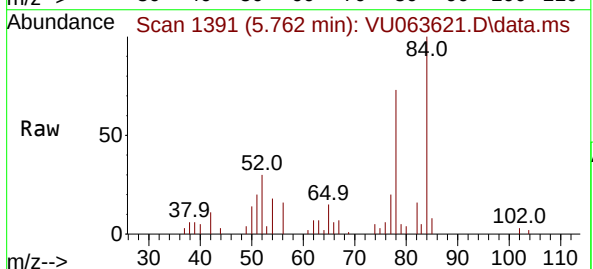
Manual Integrations
APPROVED

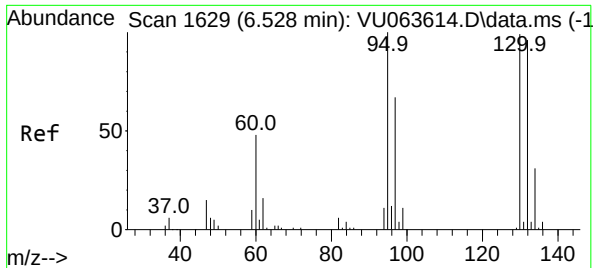
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#33
Benzene
Concen: 2.051 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

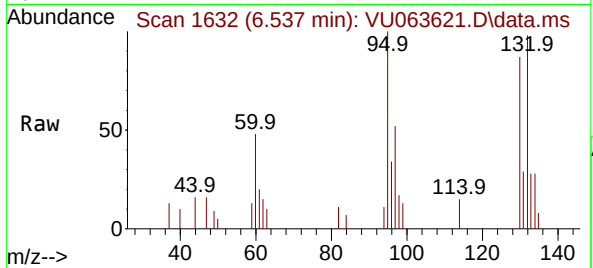
Tgt Ion: 78 Resp: 13589





#34
Trichloroethene
Concen: 2.194 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

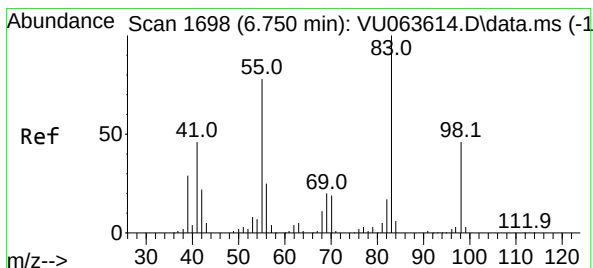
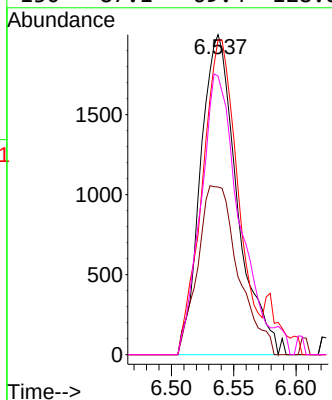
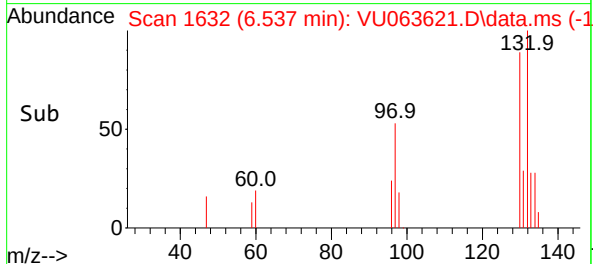
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



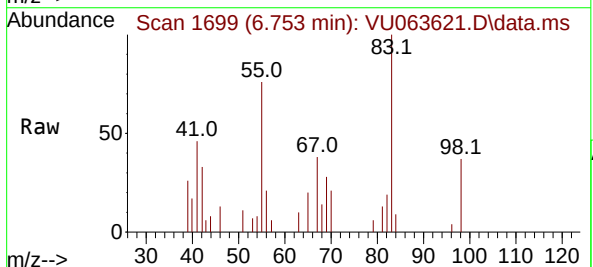
Tgt Ion: 95 Resp: 4070
Ion Ratio Lower Upper
95 100
97 52.4 46.6 86.6
132 98.4 66.8 124.2
130 87.1 69.4 128.8

Manual Integrations
APPROVED

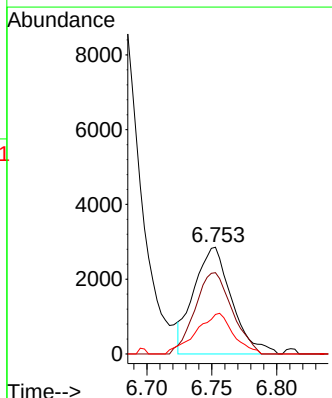
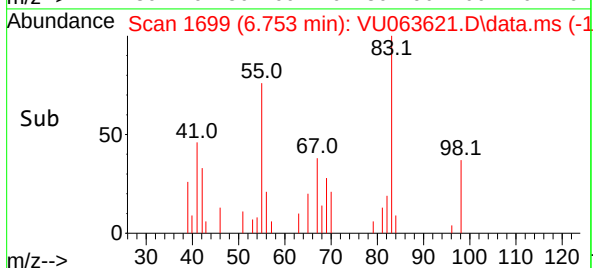
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

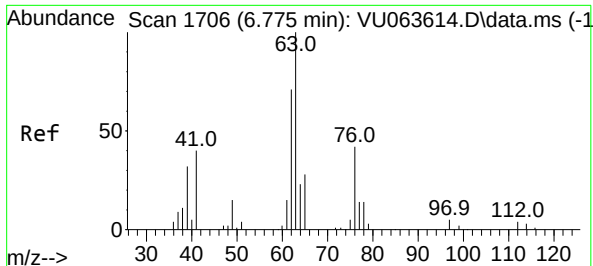


#35
Methylcyclohexane
Concen: 2.187 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57



Tgt Ion: 83 Resp: 5792
Ion Ratio Lower Upper
83 100
55 74.6 63.4 95.0
98 37.1 37.3 55.9#





#37

1,2-Dichloropropane

Concen: 2.335 ug/L m

RT: 6.785 min Scan# 1

Delta R.T. 0.009 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 63 Resp: 428

Ion Ratio Lower Upper

63 100

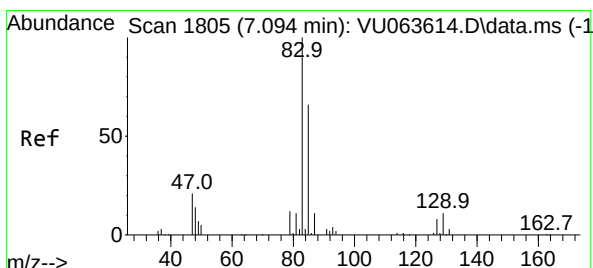
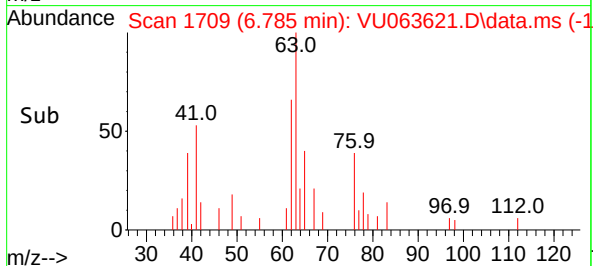
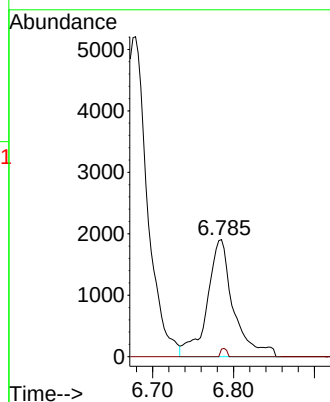
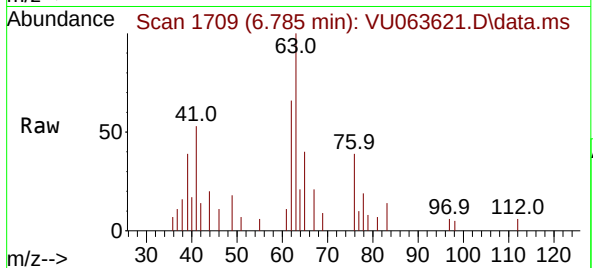
112 1.6 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025

Supervised By :Semsettin Yesilyurt 09/24/2025



#38

Bromodichloromethane

Concen: 1.797 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

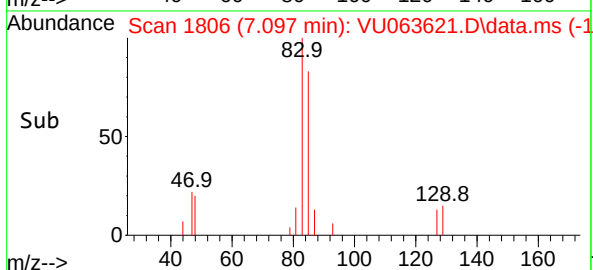
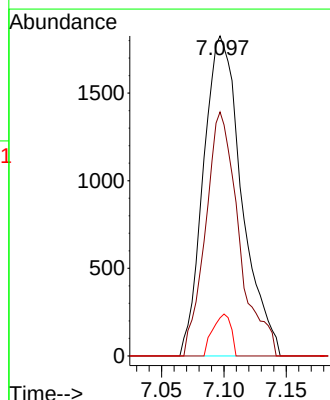
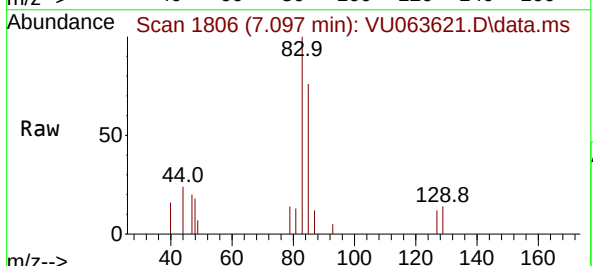
Tgt Ion: 83 Resp: 3908

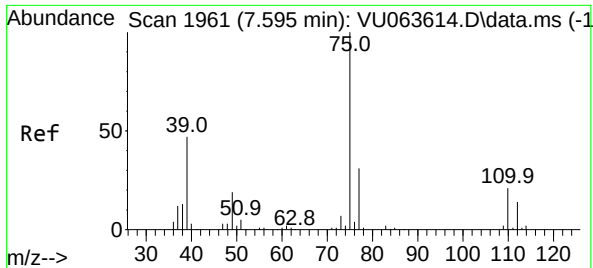
Ion Ratio Lower Upper

83 100

85 76.2 45.9 85.3

127 11.9 6.7 10.1#





#39

cis-1,3-Dichloropropene

Concen: 1.961 ug/L

RT: 7.602 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

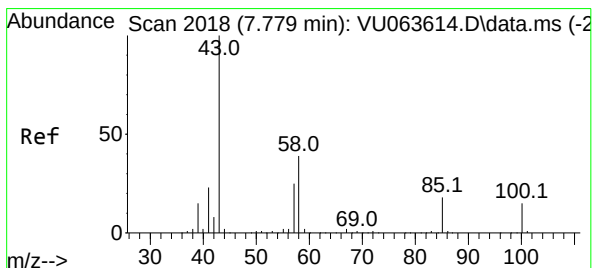
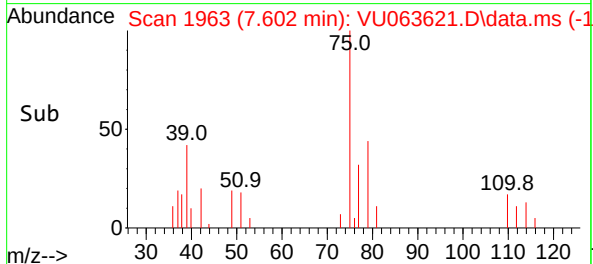
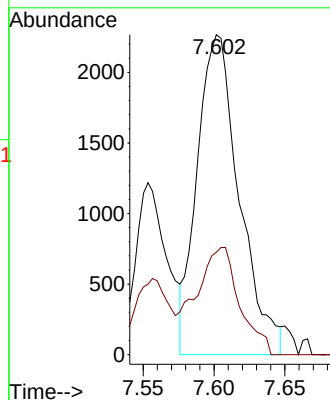
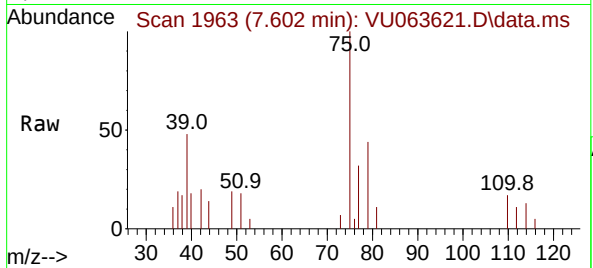
77 32.0 22.0 40.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025

Supervised By :Semsettin Yesilyurt 09/24/2025



#40

4-Methyl-2-pentanone

Concen: 4.626 ug/L m

RT: 7.788 min Scan# 2021

Delta R.T. 0.009 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

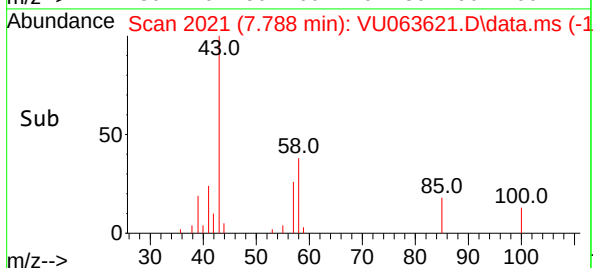
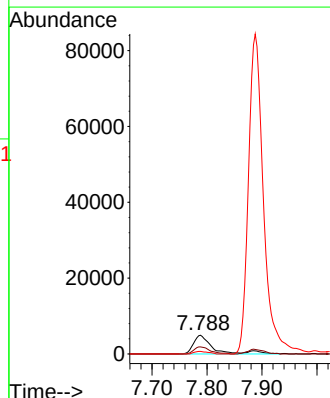
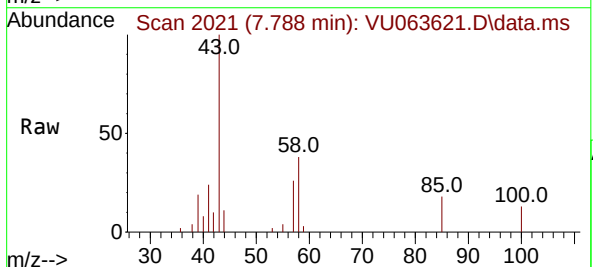
Tgt Ion: 43 Resp: 12228

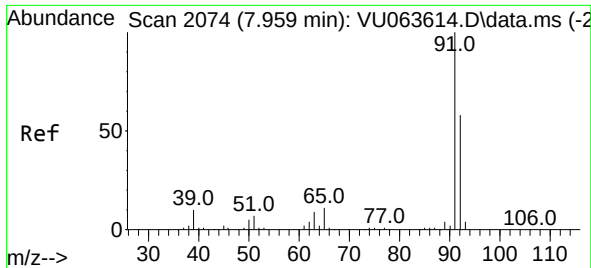
Ion Ratio Lower Upper

43 100

58 31.4 30.9 46.3

100 9.7 11.4 17.2#





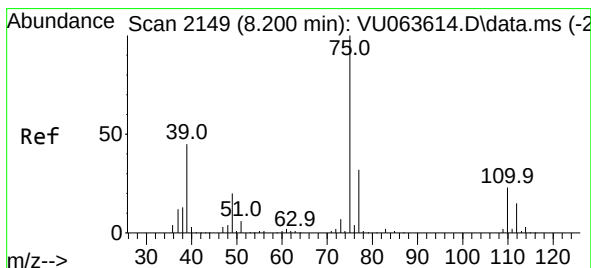
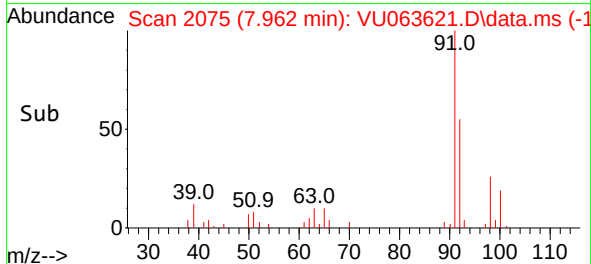
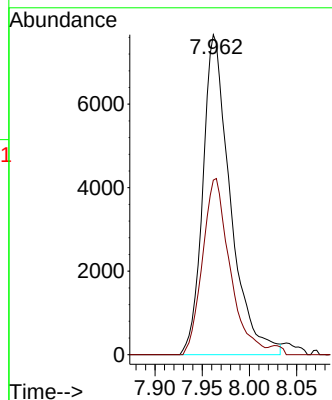
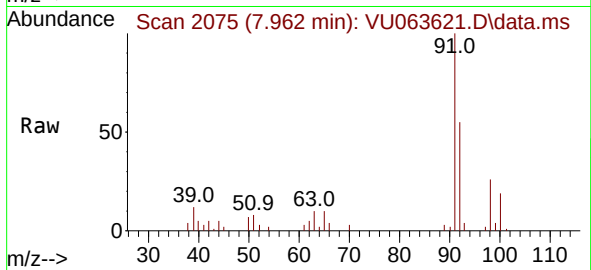
#42
Toluene
Concen: 2.131 ug/L
RT: 7.962 min Scan# 2074
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 91 Resp: 1547
Ion Ratio Lower Upper
91 100
92 54.5 40.5 75.3

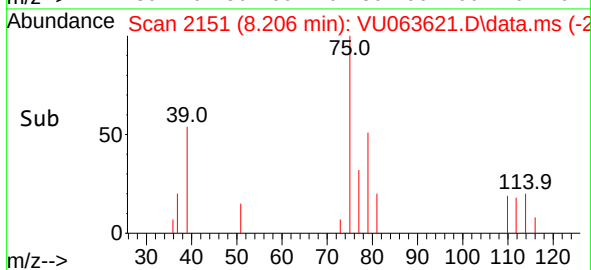
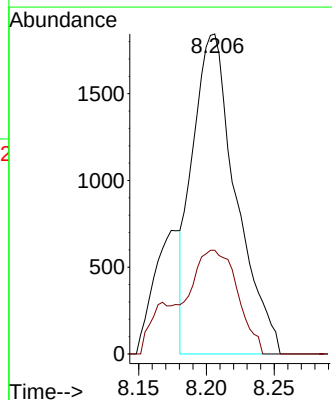
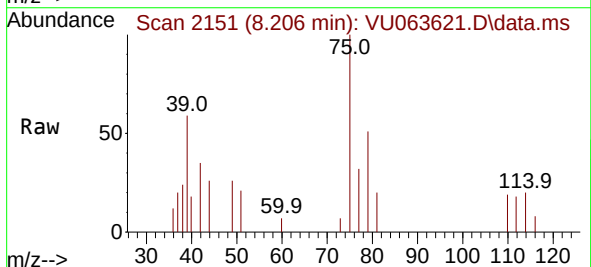
Manual Integrations
APPROVED

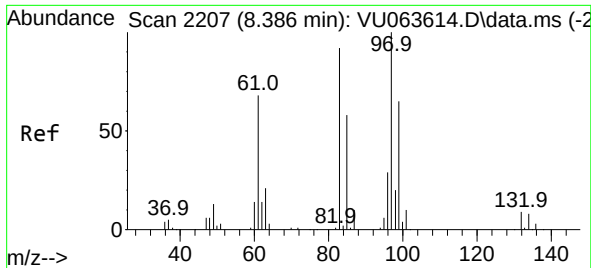
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#44
trans-1,3-Dichloropropene
Concen: 2.028 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.006 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion: 75 Resp: 4107
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5





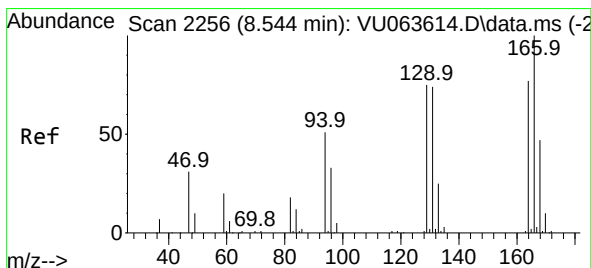
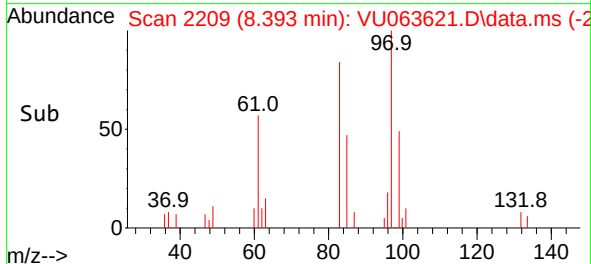
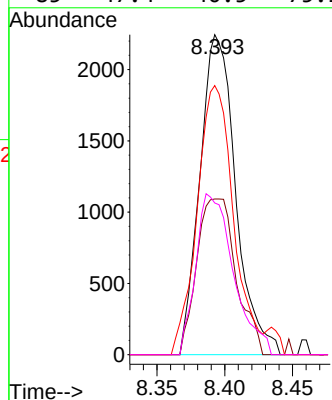
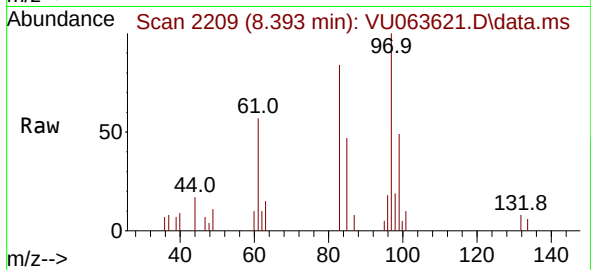
#45
1,1,2-Trichloroethane
Concen: 2.314 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	48.6	45.8	85.0
83	84.1	64.4	119.6
85	47.4	40.5	75.1

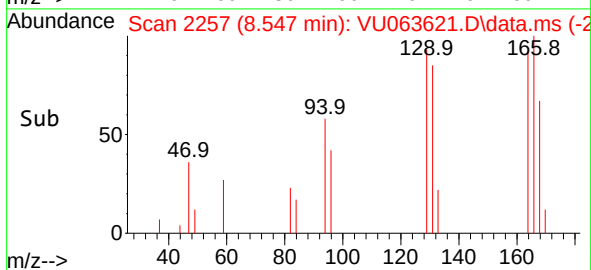
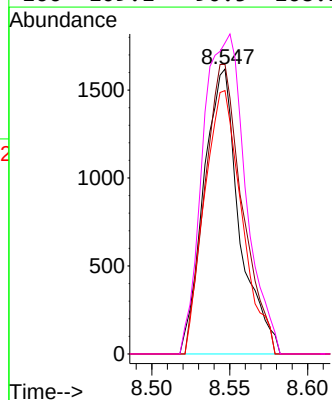
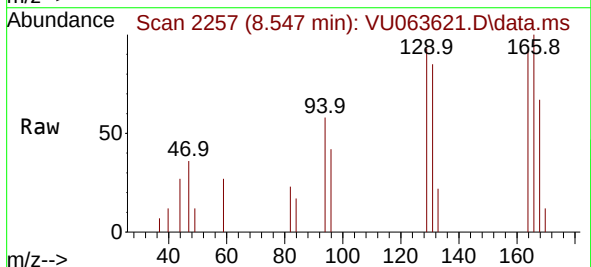
Manual Integrations
APPROVED

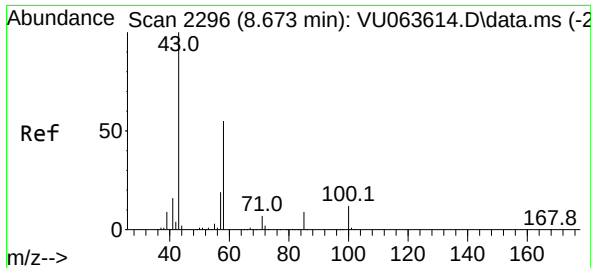
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#46
Tetrachloroethene
Concen: 1.918 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

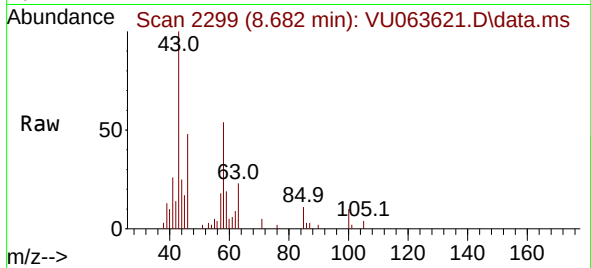
Tgt Ion	Ratio	Lower	Upper
164	100		
129	101.6	67.5	125.3
131	92.4	67.0	124.4
166	109.1	90.5	168.1





#48
2-Hexanone
Concen: 7.614 ug/L m
RT: 8.682 min Scan# 2296
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

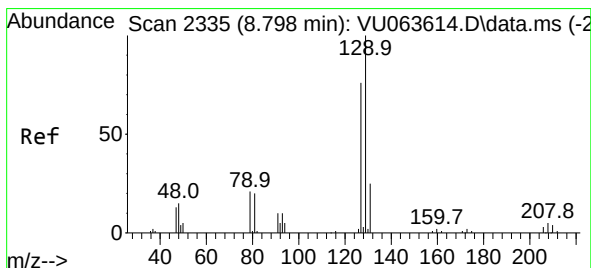
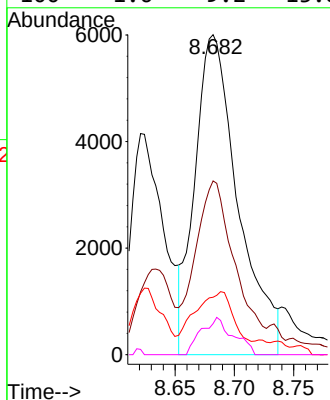
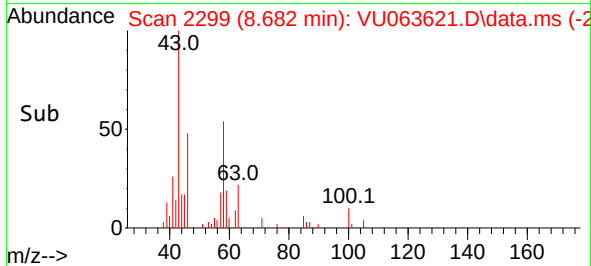
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05



Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
58 47.9 41.7 62.5
57 14.5 14.7 22.1
100 1.6 9.2 13.8#

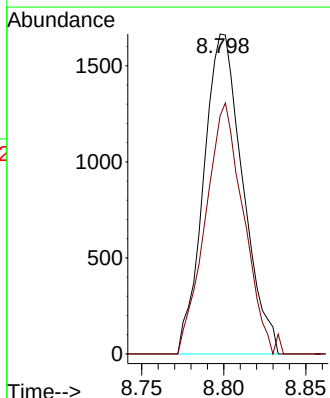
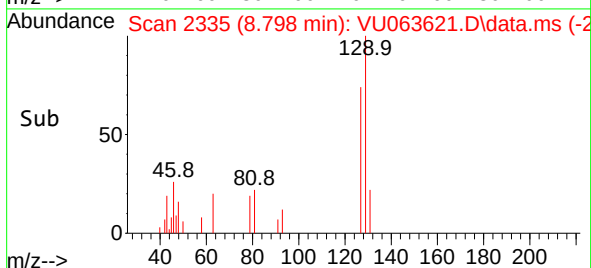
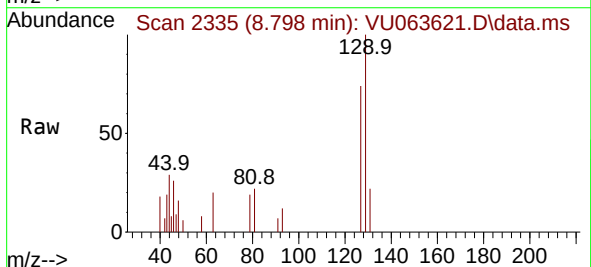
Manual Integrations
APPROVED

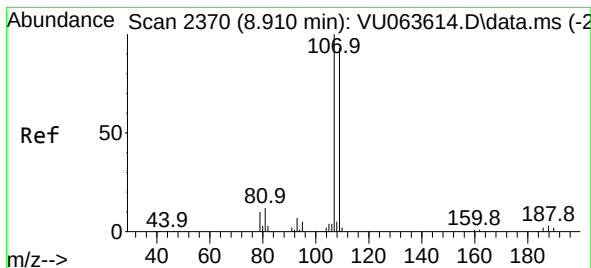
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#49
Dibromochloromethane
Concen: 1.733 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Tgt Ion:129 Resp: 2763
Ion Ratio Lower Upper
129 100
127 74.4 53.1 98.7





#50

1,2-Dibromoethane

Concen: 2.042 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU063621.D

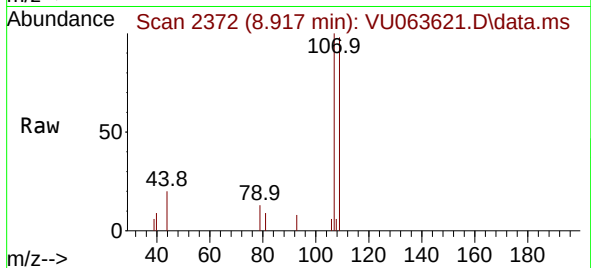
Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-05

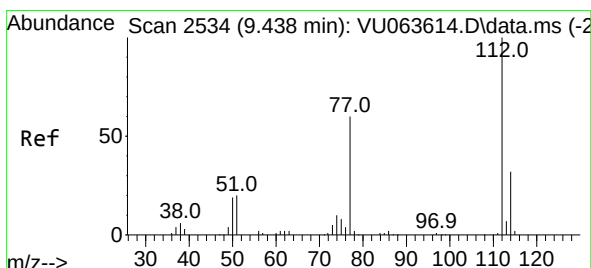
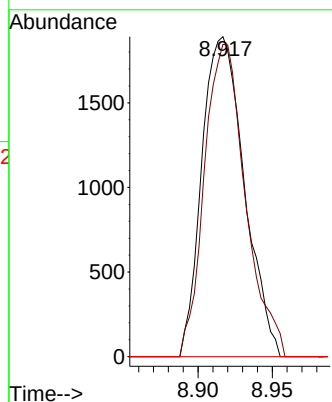


Tgt Ion:	107	Resp:	376
Ion Ratio	Lower	Upper	
107	100		
109	91.7	65.0	120.6
188	0.0	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#51

Chlorobenzene

Concen: 2.123 ug/L

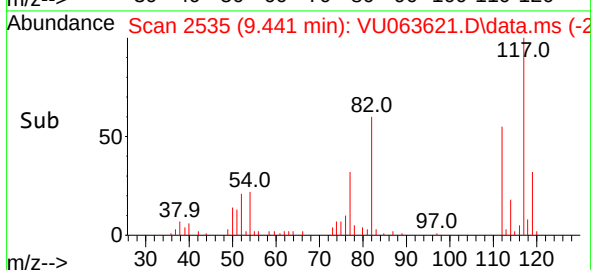
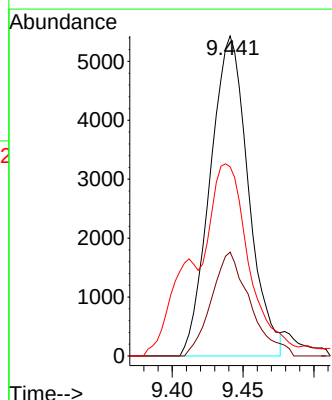
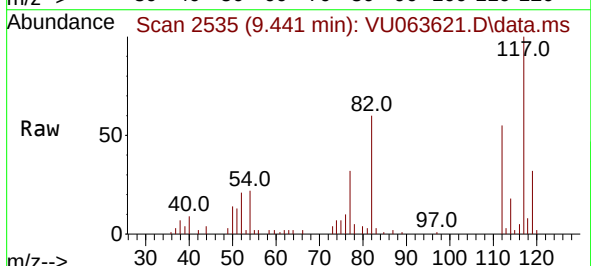
RT: 9.441 min Scan# 2535

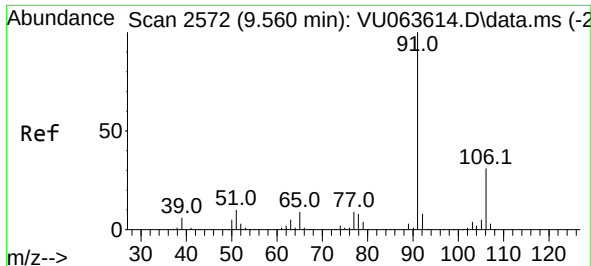
Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:	112	Resp:	10204
Ion Ratio	Lower	Upper	
112	100		
114	32.5	22.4	41.6
77	59.1	48.2	72.2





#52

Ethylbenzene

Concen: 1.973 ug/L

RT: 9.563 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

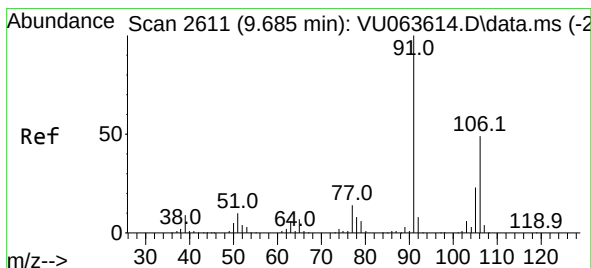
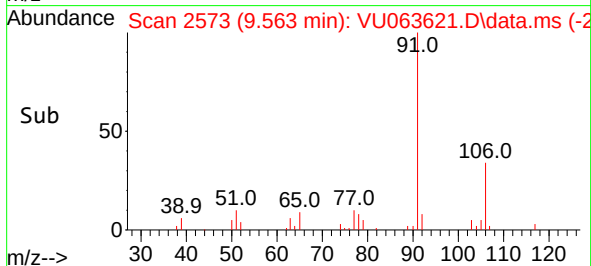
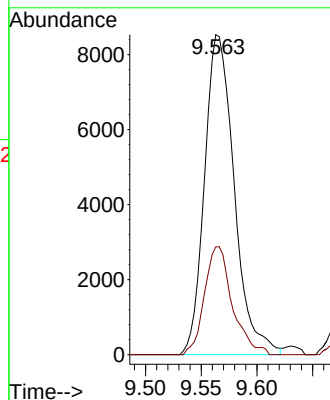
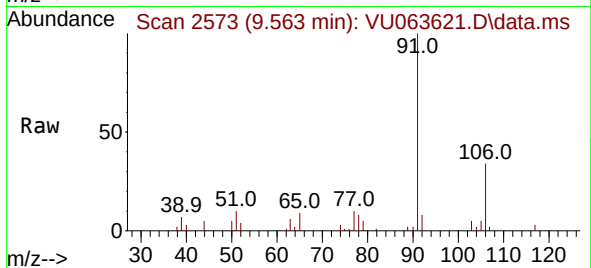
MDL-MED-SOIL-QT3-2025-05

Tgt Ion: 91 Resp: 1584
Ion Ratio Lower Upper
91 100
106 35.9 21.5 39.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#53

m,p-Xylene

Concen: 1.948 ug/L

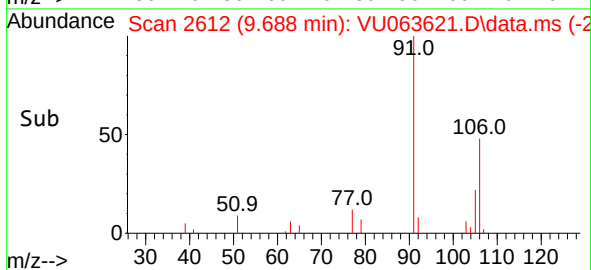
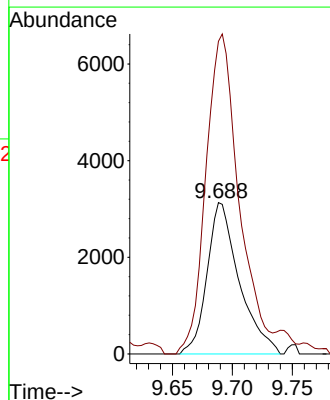
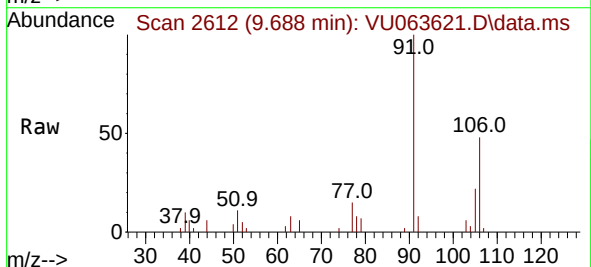
RT: 9.688 min Scan# 2612

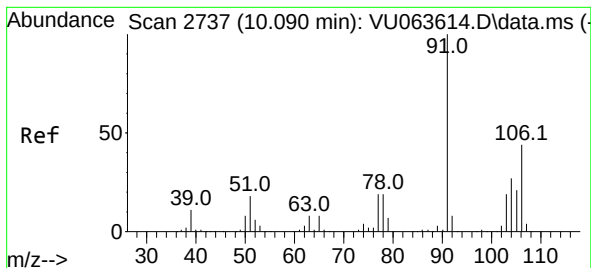
Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:106 Resp: 5837
Ion Ratio Lower Upper
106 100
91 196.6 144.1 267.7





#54

o-Xylene

Concen: 2.014 ug/L

RT: 10.094 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2025-05

Tgt Ion:106 Resp: 601

Ion Ratio Lower Upper

106 100

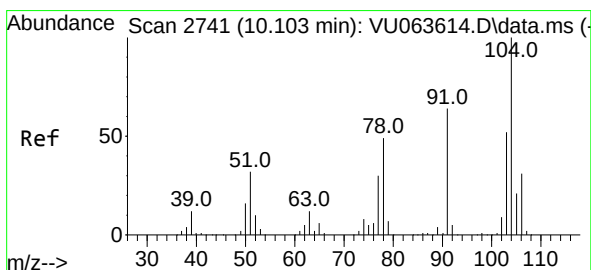
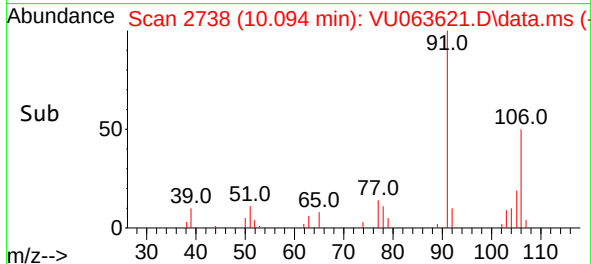
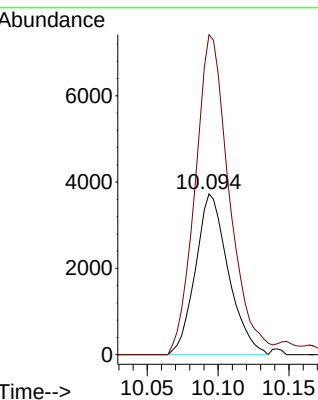
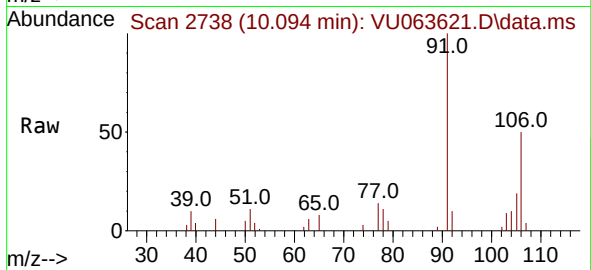
91 199.0 158.5 294.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025

Supervised By :Semsettin Yesilyurt 09/24/2025



#55

Styrene

Concen: 1.802 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.013 min

Lab File: VU063621.D

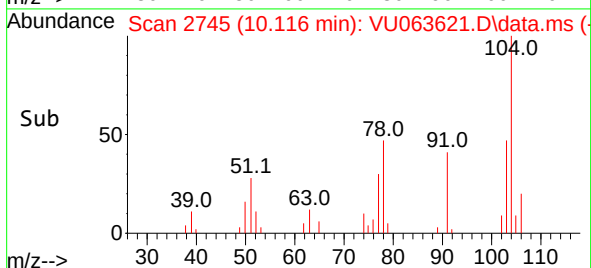
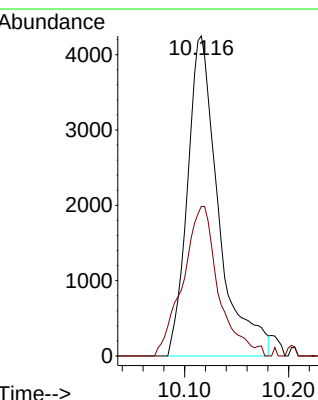
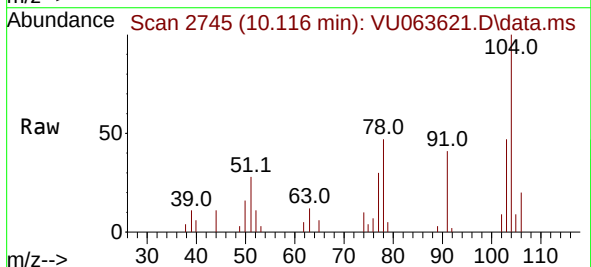
Acq: 22 Sep 2025 15:57

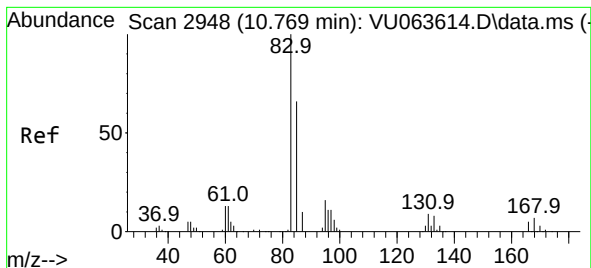
Tgt Ion:104 Resp: 8791

Ion Ratio Lower Upper

104 100

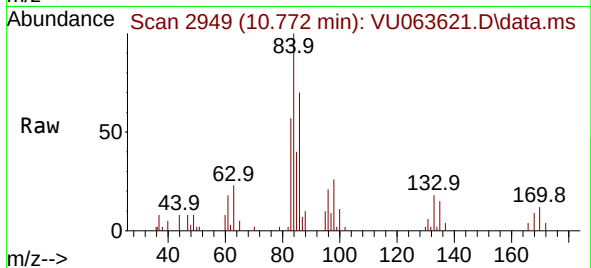
78 46.8 34.5 64.1





#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.327 ug/L
 RT: 10.772 min Scan# 2949
 Delta R.T. 0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

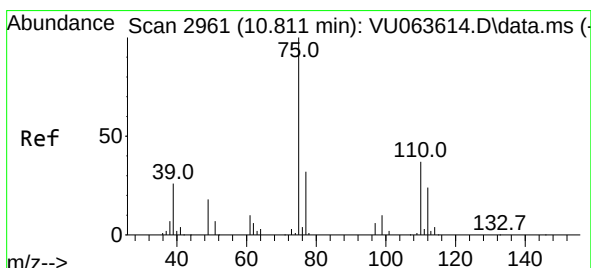
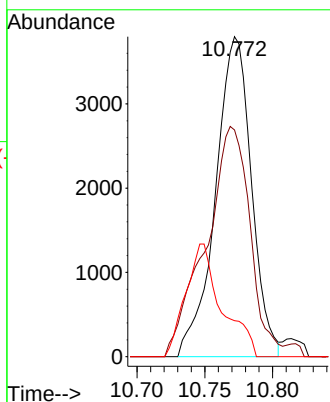
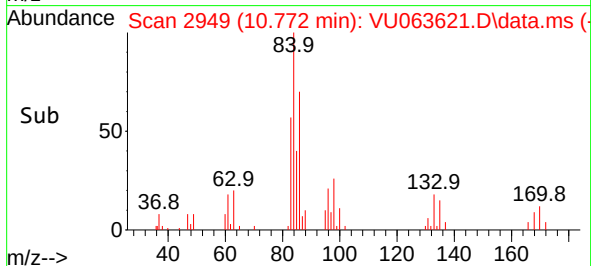
Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT3-2025-05



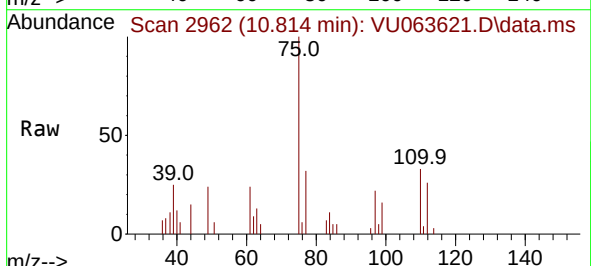
Tgt Ion: 83 Resp: 7000
 Ion Ratio Lower Upper
 83 100
 85 70.8 46.0 85.4
 131 11.3 7.4 11.2

Manual Integrations
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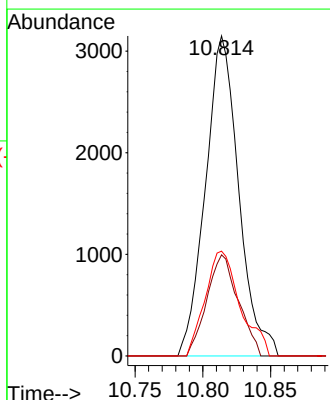
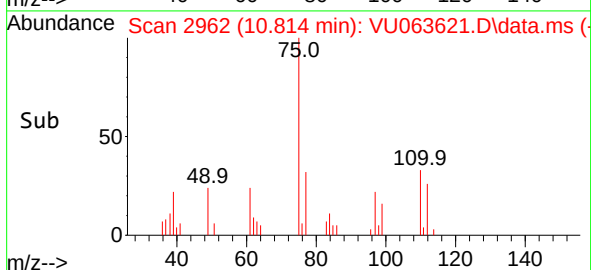
Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

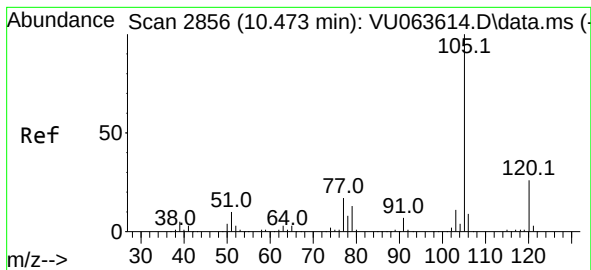


#60
 1,2,3-Trichloropropane
 Concen: 2.325 ug/L
 RT: 10.814 min Scan# 2962
 Delta R.T. 0.003 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57



Tgt Ion: 75 Resp: 5362
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.7 38.5
 110 34.4 29.2 43.8





#61

Isopropylbenzene

Concen: 2.025 ug/L

RT: 10.479 min Scan# 2856

Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Instrument :

MSVOA_U

ClientSampleId :

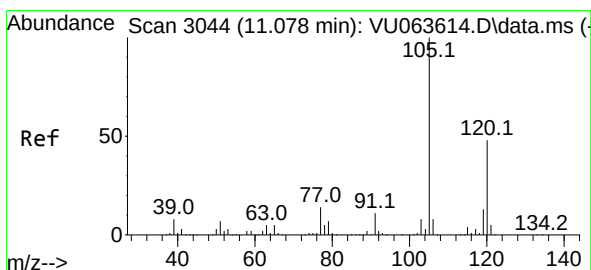
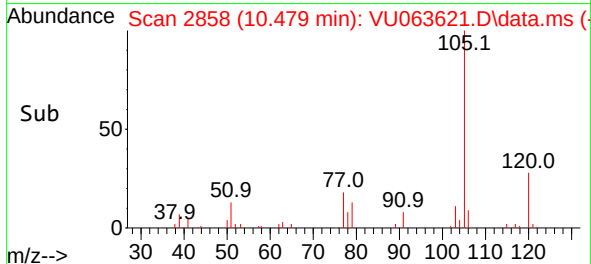
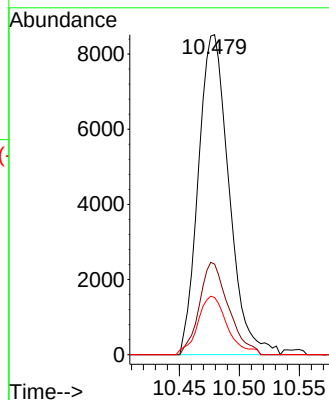
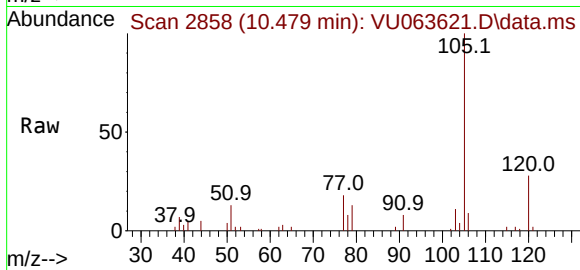
MDL-MED-SOIL-QT3-2025-05

Tgt Ion:105	Resp:	1511
Ion Ratio	Lower	Upper
105	100	
120	27.4	31.8
77	17.2	20.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#62

1,3,5-Trimethylbenzene

Concen: 1.954 ug/L

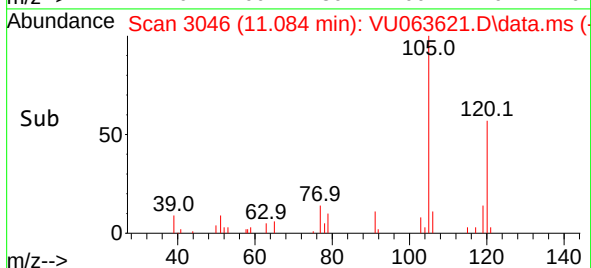
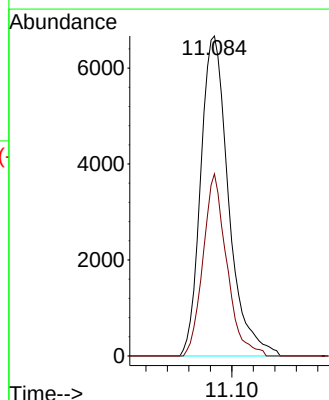
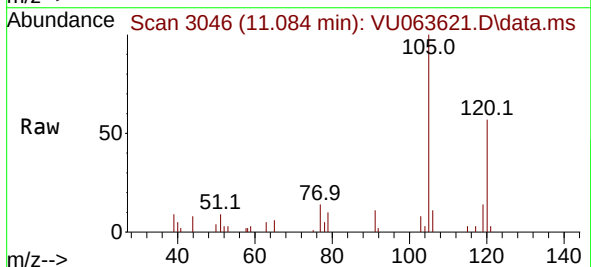
RT: 11.084 min Scan# 3046

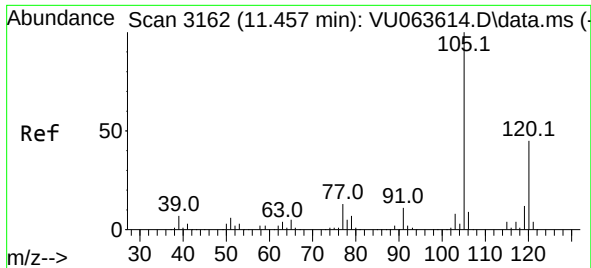
Delta R.T. 0.006 min

Lab File: VU063621.D

Acq: 22 Sep 2025 15:57

Tgt Ion:105	Resp:	11992
Ion Ratio	Lower	Upper
105	100	
120	48.5	57.5





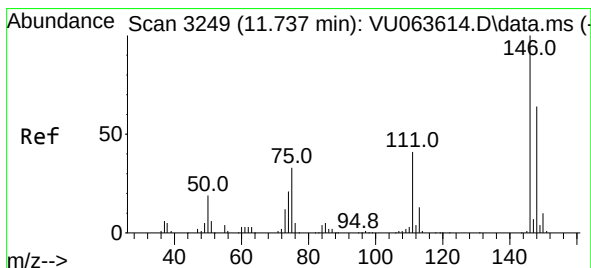
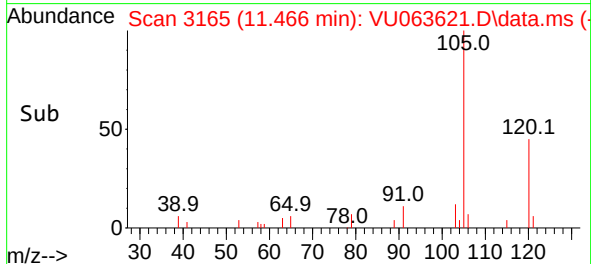
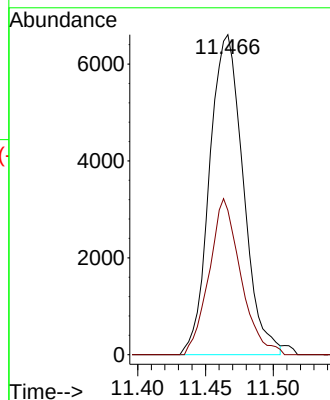
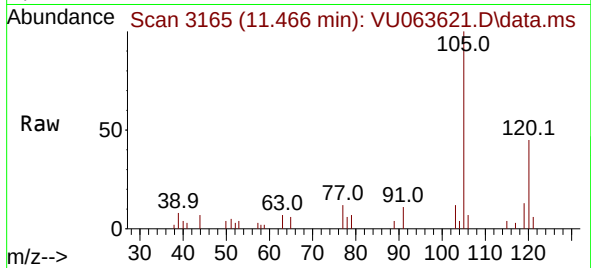
#63
1,2,4-Trimethylbenzene
Concen: 1.917 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05

Tgt Ion:105 Resp: 11404
Ion Ratio Lower Upper
105 100
120 45.8 35.6 53.4

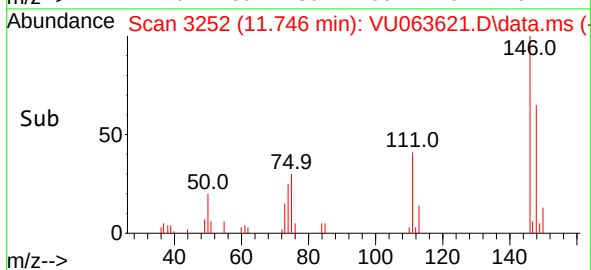
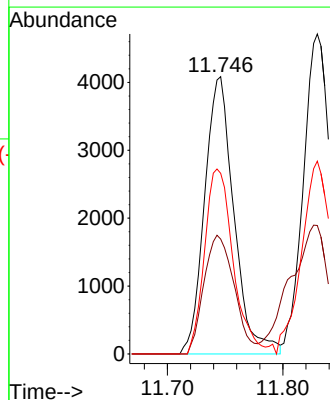
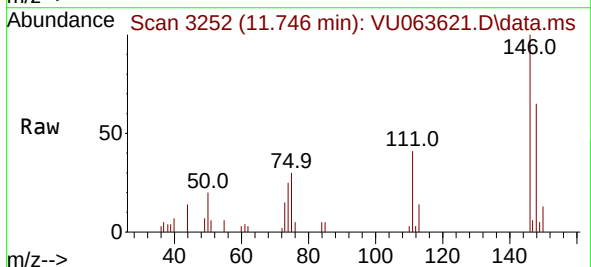
Manual Integrations
APPROVED

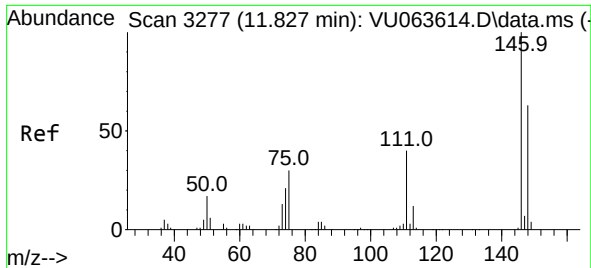
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#64
1,3-Dichlorobenzene
Concen: 2.123 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

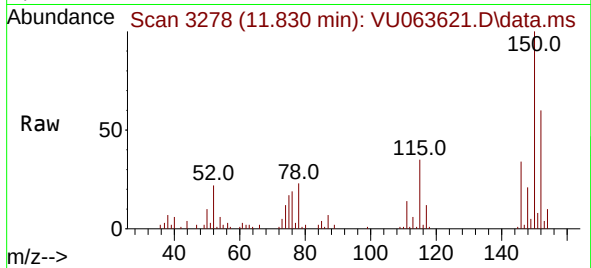
Tgt Ion:146 Resp: 7218
Ion Ratio Lower Upper
146 100
111 38.9 28.6 53.0
148 61.2 44.5 82.7





#65
1,4-Dichlorobenzene
Concen: 2.301 ug/L
RT: 11.830 min Scan# 3277
Delta R.T. 0.003 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

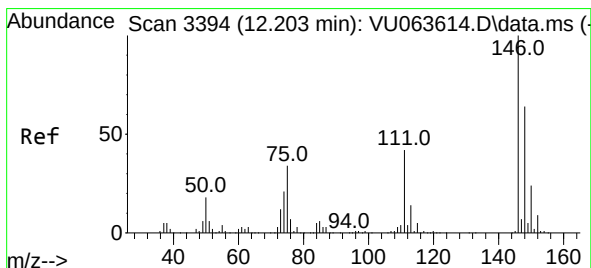
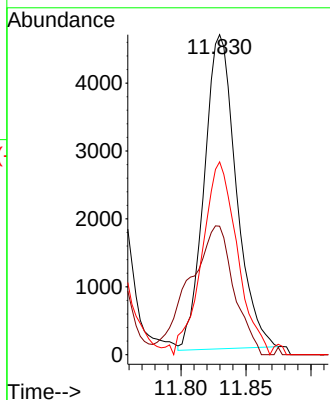
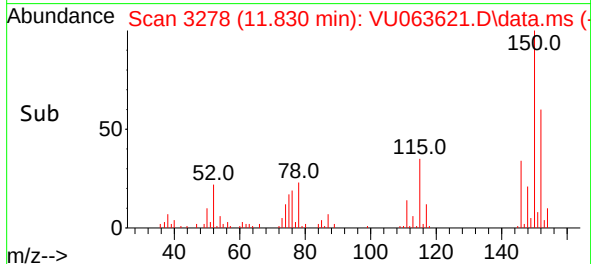
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2025-05



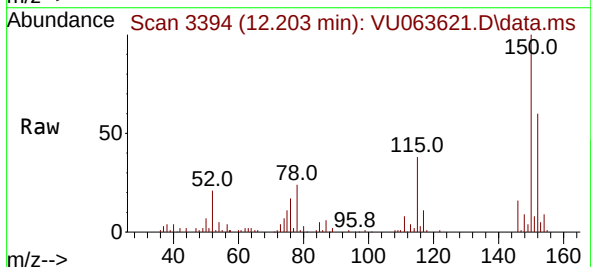
Tgt Ion:146 Resp: 7910
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.9
148 60.3 44.0 81.8

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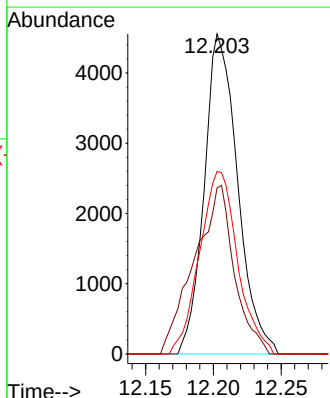
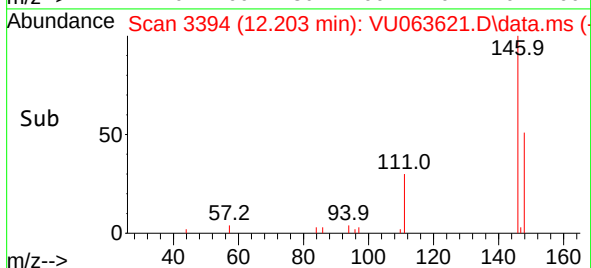
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

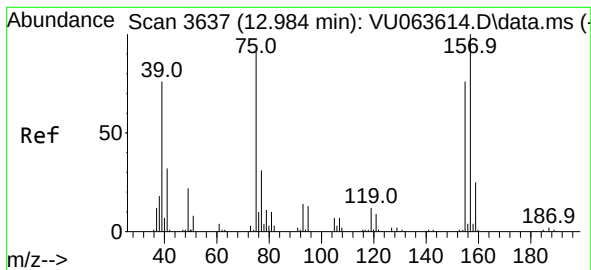


#67
1,2-Dichlorobenzene
Concen: 2.336 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. -0.000 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57



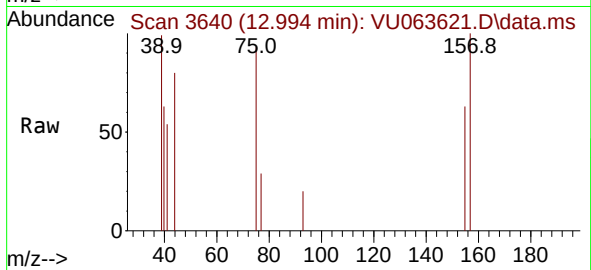
Tgt Ion:146 Resp: 7810
Ion Ratio Lower Upper
146 100
111 54.6 33.6 50.4#
148 57.0 50.9 76.3





#68
1,2-Dibromo-3-chloropropane
Concen: 1.753 ug/L m
RT: 12.994 min Scan# 3640
Delta R.T. 0.009 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

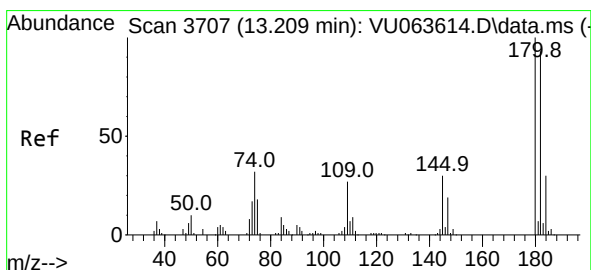
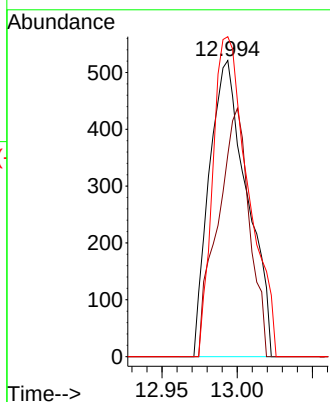
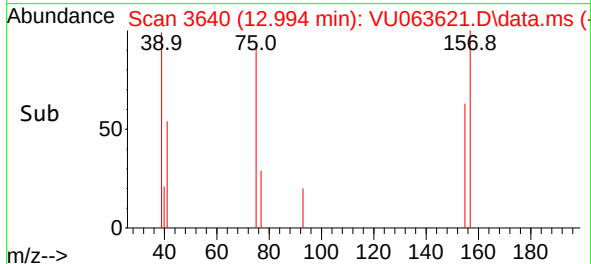
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



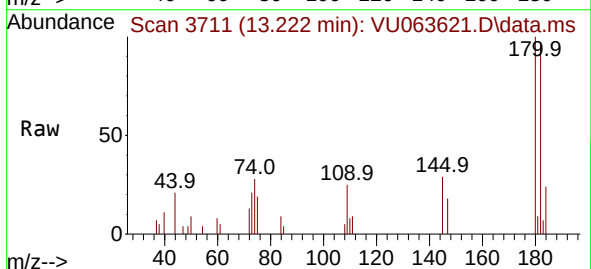
Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
155 68.1 66.6 99.8
157 108.1 87.6 131.4

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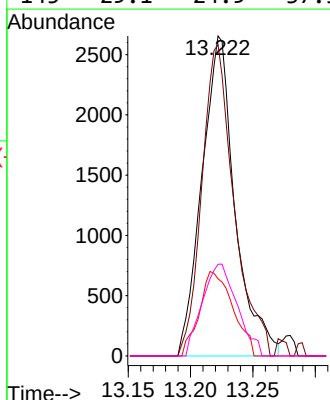
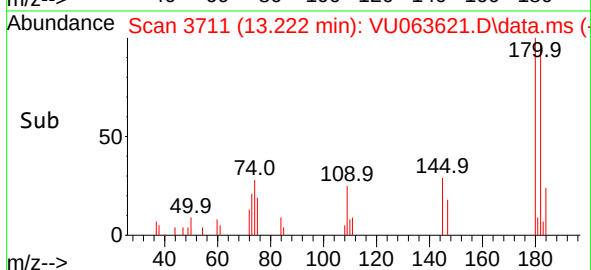
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

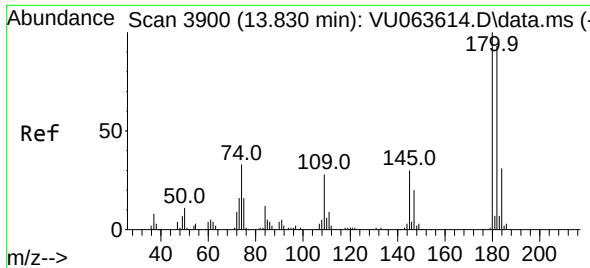


#69
1,3,5-Trichlorobenzene
Concen: 2.063 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.013 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57



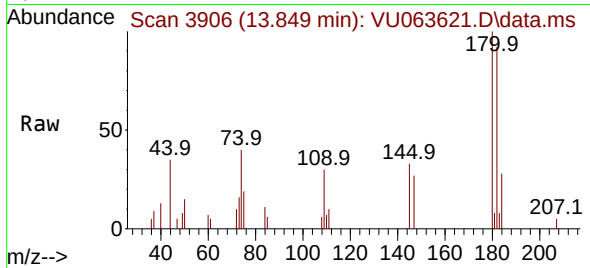
Tgt Ion:180 Resp: 4905
Ion Ratio Lower Upper
180 100
182 94.0 75.9 113.9
184 26.7 24.4 36.6
145 29.1 24.9 37.3





#70
1,2,4-trichlorobenzene
Concen: 2.226 ug/L
RT: 13.849 min Scan# 3906
Delta R.T. 0.019 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57

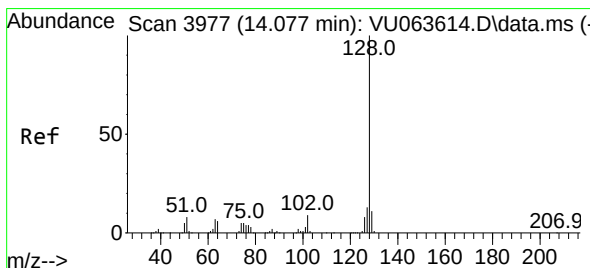
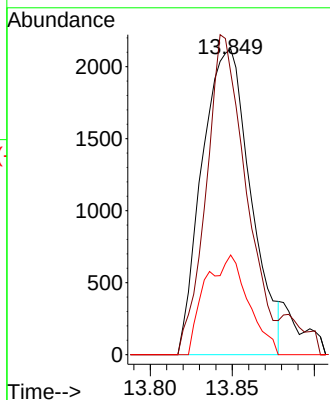
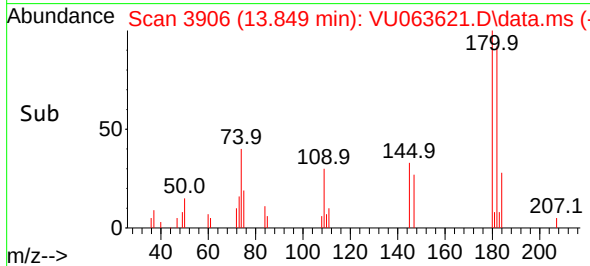
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2025-05



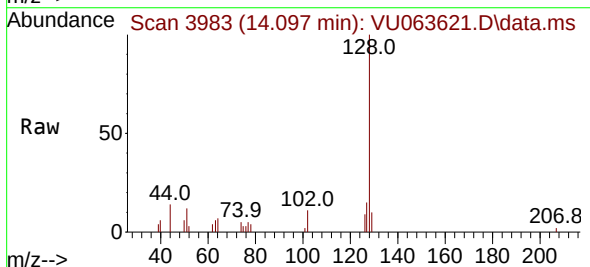
Tgt Ion:180 Resp: 4368
Ion Ratio Lower Upper
180 100
182 85.9 75.4 113.0
145 16.7 24.6 37.0

Manual Integrations
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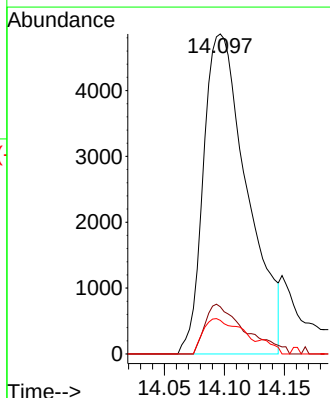
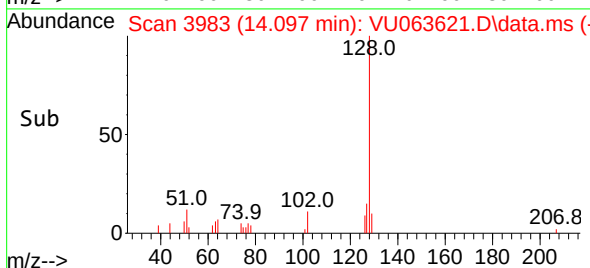
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

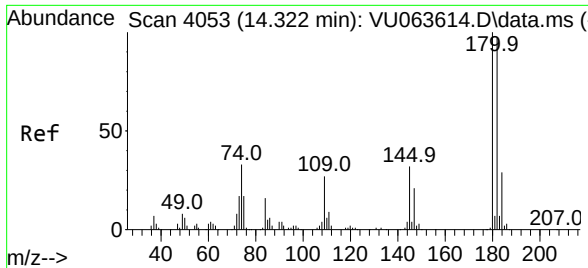


#71
Naphthalene
Concen: 2.313 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.019 min
Lab File: VU063621.D
Acq: 22 Sep 2025 15:57



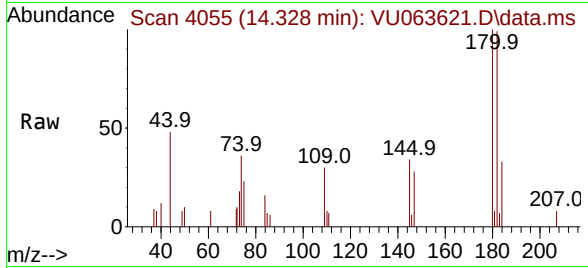
Tgt Ion:128 Resp: 12335
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.4
129 9.6 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.212 ug/L
 RT: 14.328 min Scan# 4053
 Delta R.T. 0.006 min
 Lab File: VU063621.D
 Acq: 22 Sep 2025 15:57

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2025-05



Tgt Ion:	180	Resp:	416
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.4	116.2
145	30.4	25.9	38.9

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

