

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060290.D
 Acq On : 01 Aug 2024 11:15
 Operator : MD/SY
 Sample : P3391-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 02 02:47:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	214850	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	89502	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	77832	56.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.840%			
7) Chloroethane-d5	1.904	69	59325	51.128	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.260%			
11) 1,1-Dichloroethene-d2	2.560	63	89939	36.699	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 73.400%			
21) 2-Butanone-d5	4.618	46	100382	104.708	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.710%			
24) Chloroform-d	5.055	84	122212	45.748	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.500%			
26) 1,2-Dichloroethane-d4	5.692	65	77907	49.048	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.100%			
32) Benzene-d6	5.718	84	249422	44.733	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.460%			
36) 1,2-Dichloropropane-d6	6.682	67	86105	49.896	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.800%			
41) Toluene-d8	7.891	98	210537	39.706	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 79.420%#			
43) trans-1,3-Dichloroprop...	8.174	79	33547	41.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.080%			
47) 2-Hexanone-d5	8.627	63	56559	77.768	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 77.770%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	125232	47.280	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 94.560%			
66) 1,2-Dichlorobenzene-d4	12.187	152	75867	46.129	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2551	1.912	ug/L	97
3) Chloromethane	1.518	50	3687	2.816	ug/L	99
5) Vinyl chloride	1.602	62	4270	2.778	ug/L #	75
6) Bromomethane	1.846	94	2588	3.205	ug/L	97
8) Chloroethane	1.924	64	2471	2.469	ug/L	89
9) Trichlorofluoromethane	2.132	101	5186	2.423	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	4009	2.943	ug/L #	78
12) 1,1-Dichloroethene	2.573	96	3753	2.946	ug/L #	1
13) Acetone	2.628	43	4686	4.747	ug/L	97
14) Carbon disulfide	2.788	76	7155	2.225	ug/L	100
15) Methyl Acetate	2.952	43	4697	3.156	ug/L #	82
16) Methylene chloride	3.039	84	6210	3.866	ug/L	91
17) trans-1,2-Dichloroethene	3.348	96	3335	2.543	ug/L	84
18) Methyl tert-butyl Ether	3.354	73	10101	2.371	ug/L	95
19) 1,1-Dichloroethane	3.862	63	7240	2.911	ug/L	95
20) cis-1,2-Dichloroethene	4.663	96	3770	2.374	ug/L	84
22) 2-Butanone	4.724	43	7113m	5.856	ug/L	
23) Bromochloromethane	4.978	128	1855m	2.215	ug/L	
27) 1,2-Dichloroethane	5.795	62	5179	2.549	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	3577	1.835	ug/L #	92
30) 1,1,1-Trichloroethane	5.309	97	5493	2.435	ug/L #	84
31) Carbon tetrachloride	5.512	117	4644	2.492	ug/L	97
34) Trichloroethene	6.541	95	3962	2.525	ug/L	96
35) Methylcyclohexane	6.753	83	3986m	1.839	ug/L	
37) 1,2-Dichloropropane	6.788	63	4413	2.727	ug/L #	96
38) Bromodichloromethane	7.100	83	5406	2.636	ug/L	93
39) cis-1,3-Dichloropropene	7.605	75	5753	2.323	ug/L	96
40) 4-Methyl-2-pentanone	7.791	43	10439	5.103	ug/L	93
42) Toluene	7.965	91	14645	2.281	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	5739m	2.523	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	4504	2.657	ug/L	98
46) Tetrachloroethene	8.547	164	2742	2.124	ug/L	94
48) 2-Hexanone	8.682	43	14359	8.387	ug/L #	89
49) Dibromochloromethane	8.807	129	4378	2.621	ug/L	98
50) 1,2-Dibromoethane	8.920	107	4323	2.439	ug/L #	88
51) Chlorobenzene	9.444	112	10687	2.508	ug/L	94
52) Ethylbenzene	9.566	91	14251	2.079	ug/L	94
53) m,p-Xylene	9.692	106	5286	1.981	ug/L	96
54) o-Xylene	10.097	106	4697	1.830	ug/L	96
55) Styrene	10.116	104	7501	1.732	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	8654	3.028	ug/L	98
59) Bromoform	10.287	173	3108	2.872	ug/L #	97
60) 1,2,3-Trichloropropane	10.814	75	6001	3.533	ug/L	96
61) Isopropylbenzene	10.479	105	11115	2.130	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	7318	1.916	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	7407	1.811	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	6949	2.568	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	7435	2.658	ug/L	89
67) 1,2-Dichlorobenzene	12.209	146	7863	2.877	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.997	75	1783	3.838	ug/L #	72
69) 1,3,5-Trichlorobenzene	13.216	180	4574	2.345	ug/L	92
70) 1,2,4-trichlorobenzene	13.843	180	4046m	2.301	ug/L	
71) Naphthalene	14.093	128	11086m	2.182	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	3982	2.257	ug/L	98

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

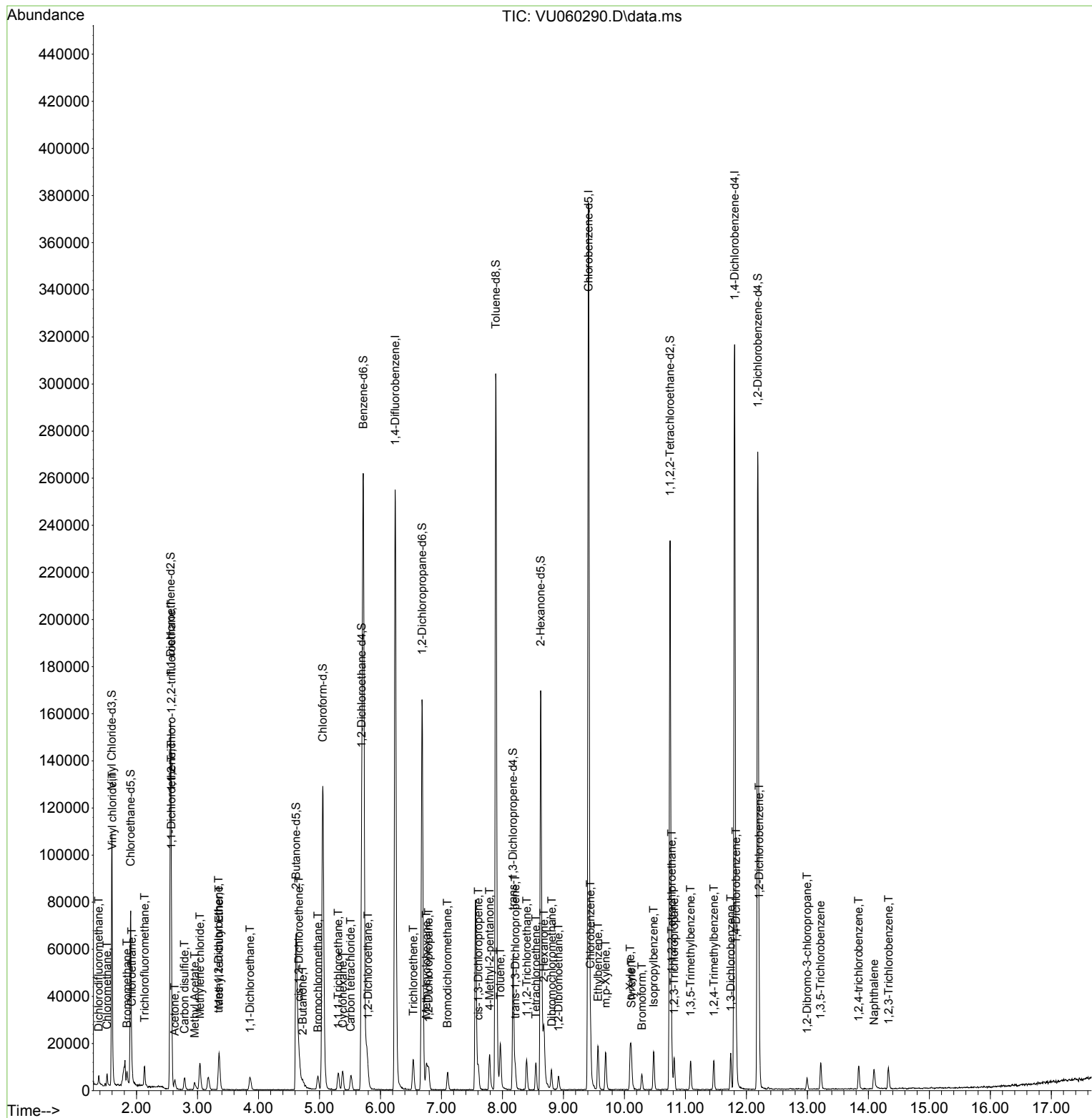
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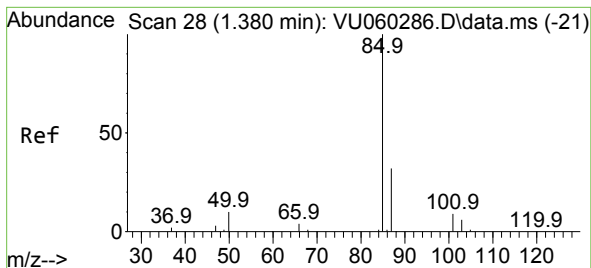
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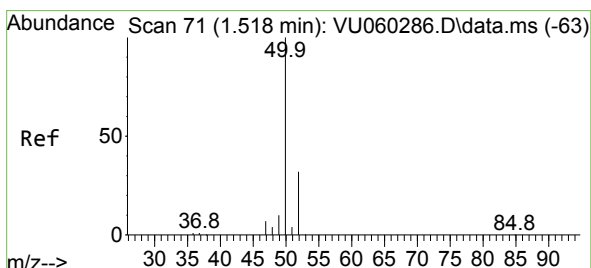
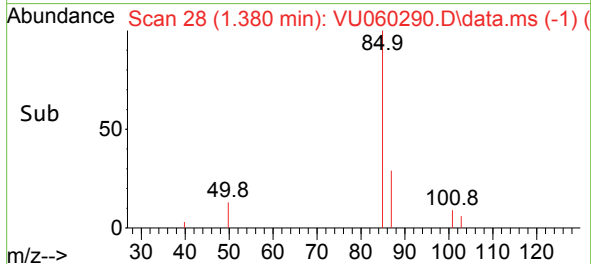
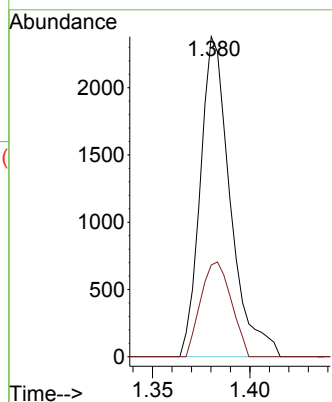
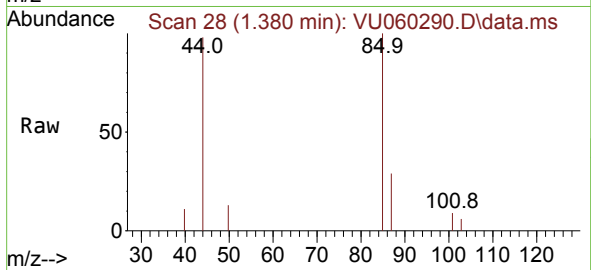
#2
Dichlorodifluoromethane
Concen: 1.912 ug/L
RT: 1.380 min Scan# 28
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

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

Tgt Ion: 85 Resp: 255
Ion Ratio Lower Upper
85 100
87 30.0 25.4 38.2

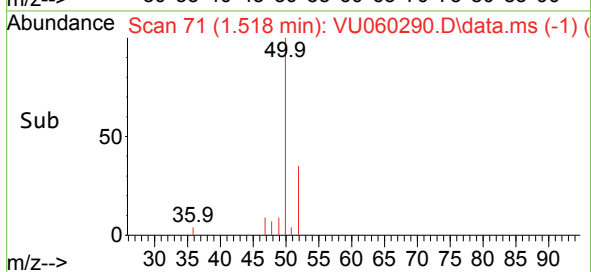
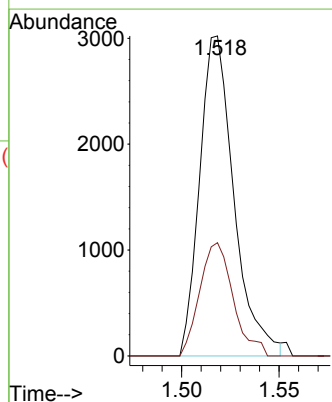
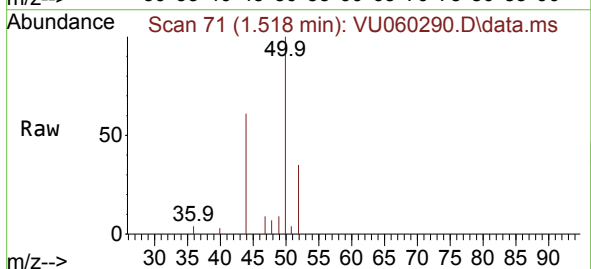
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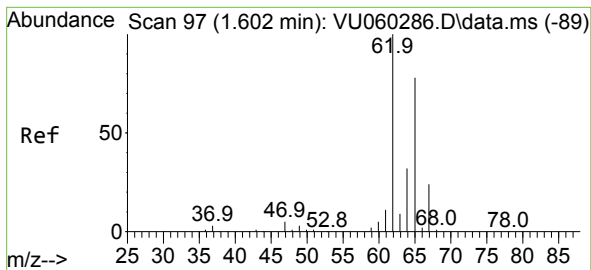
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#3
Chloromethane
Concen: 2.816 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion: 50 Resp: 3687
Ion Ratio Lower Upper
50 100
52 35.4 24.5 45.5





#5

Vinyl chloride

Concen: 2.778 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2024-05

Tgt Ion: 62 Resp: 4270

Ion Ratio Lower Upper

62 100

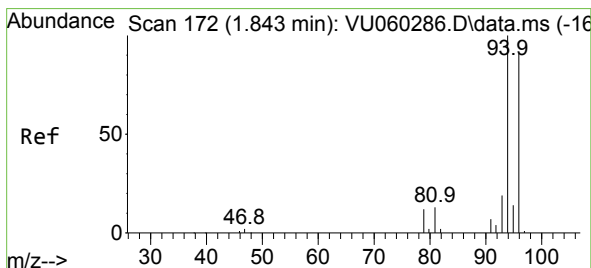
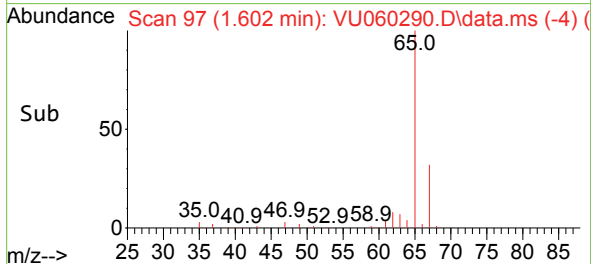
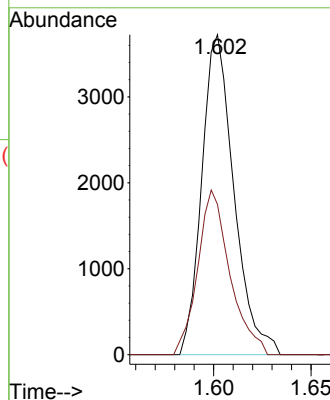
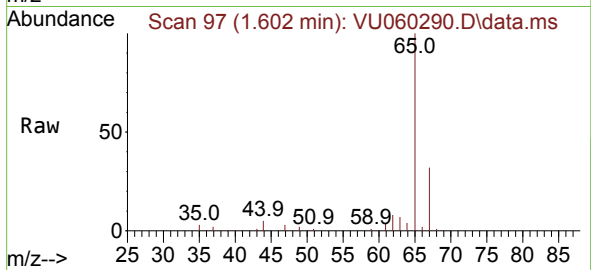
64 47.0 22.9 42.5

Manual Integrations

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#6

Bromomethane

Concen: 3.205 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.003 min

Lab File: VU060290.D

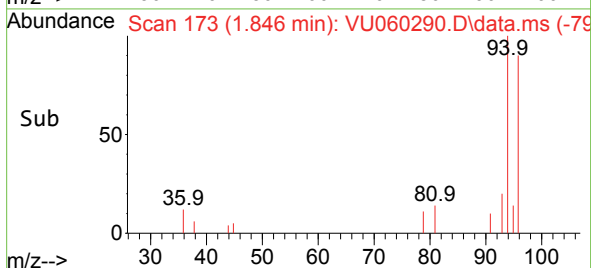
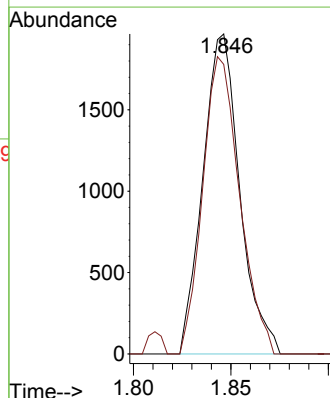
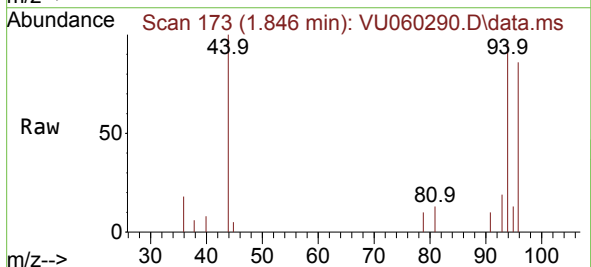
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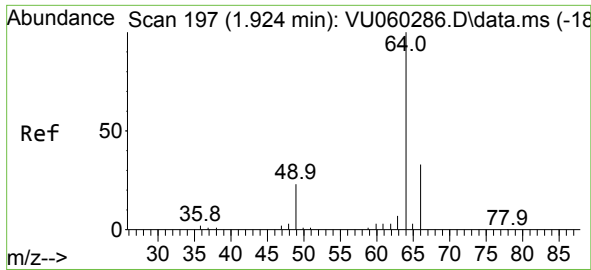
Tgt Ion: 94 Resp: 2588

Ion Ratio Lower Upper

94 100

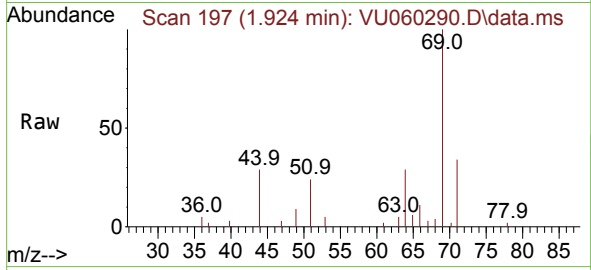
96 90.5 65.2 121.2





#8
Chloroethane
Concen: 2.469 ug/L
RT: 1.924 min Scan# 197
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

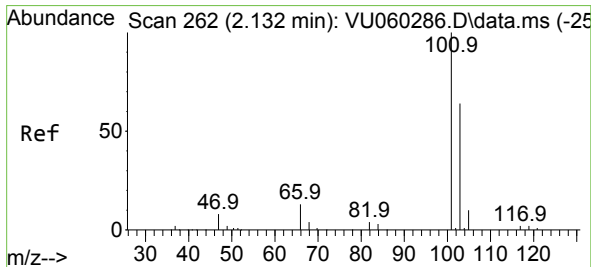
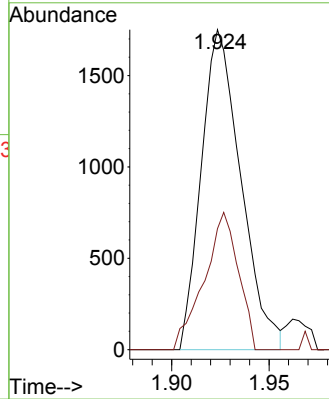
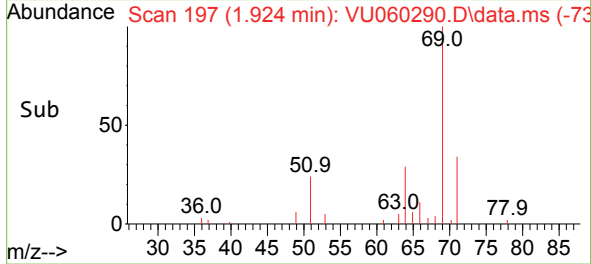
Instrument :
MSVOA_U
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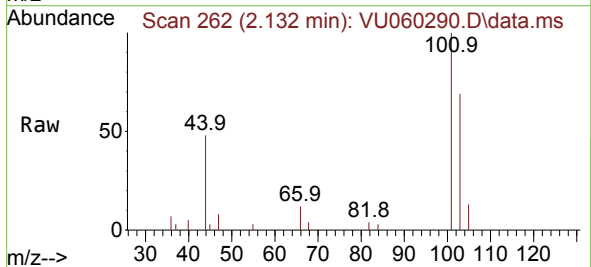
Tgt Ion: 64 Resp: 247
Ion Ratio Lower Upper
64 100
66 37.8 22.3 41.3

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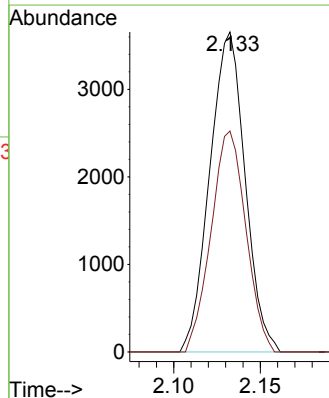
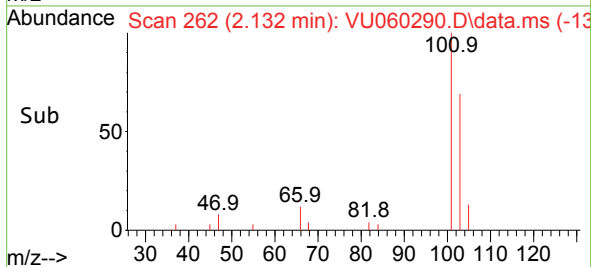
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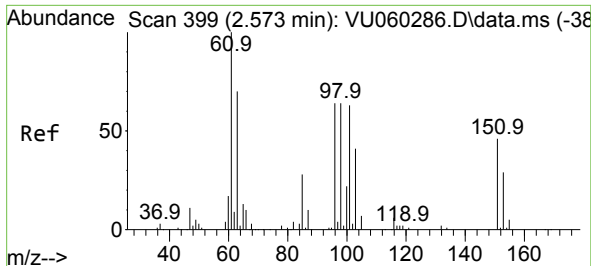


#9
Trichlorofluoromethane
Concen: 2.423 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



Tgt Ion:101 Resp: 5186
Ion Ratio Lower Upper
101 100
103 68.0 52.3 78.5





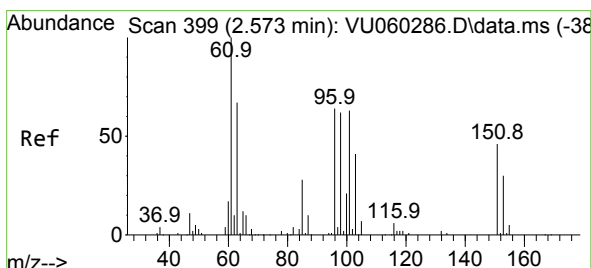
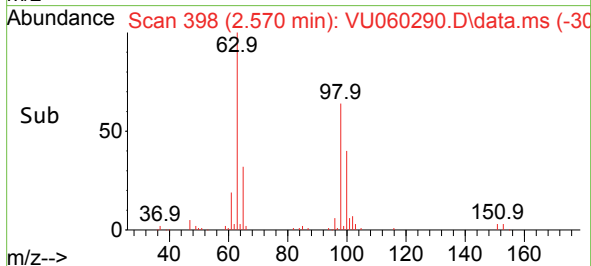
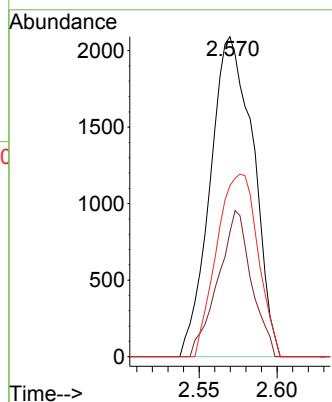
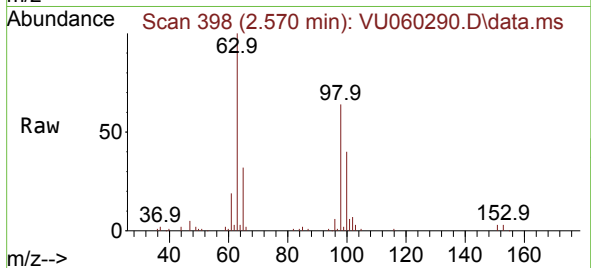
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.943 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU060290.D
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Tgt Ion:101 Resp: 4009
Ion Ratio Lower Upper
101 100
85 35.4 34.8 52.2
151 54.7 62.3 93.5

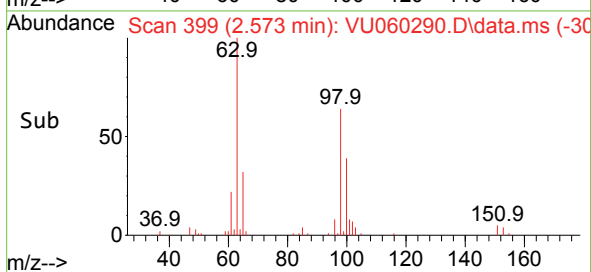
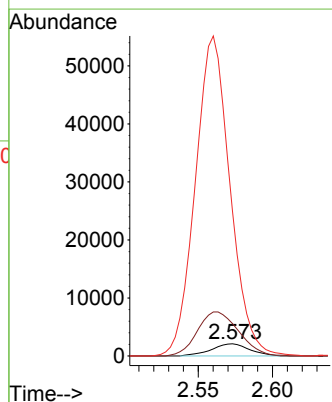
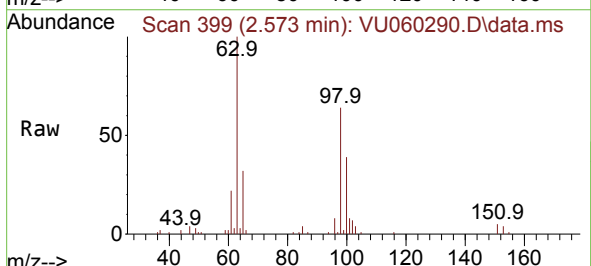
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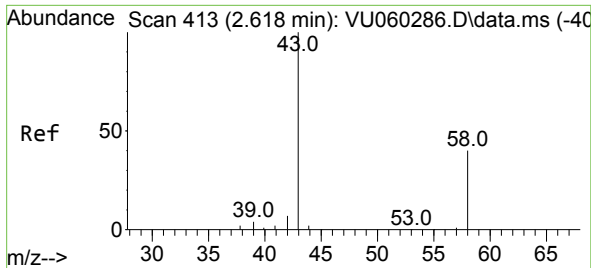
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#12
1,1-Dichloroethene
Concen: 2.946 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion: 96 Resp: 3753
Ion Ratio Lower Upper
96 100
61 266.6 112.2 208.4#
63 1189.5 87.4 162.2#





#13

Acetone

Concen: 4.747 ug/L

RT: 2.628 min Scan# 413

Delta R.T. 0.010 min

Lab File: VU060290.D

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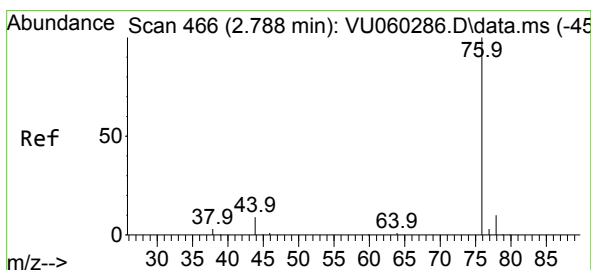
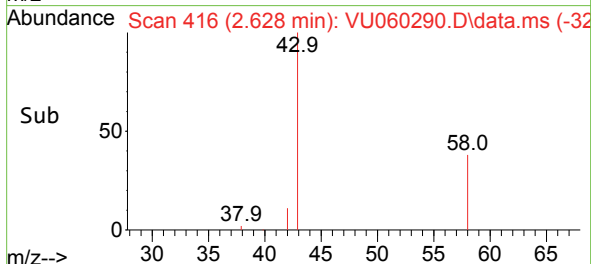
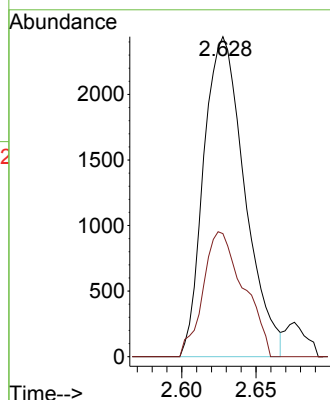
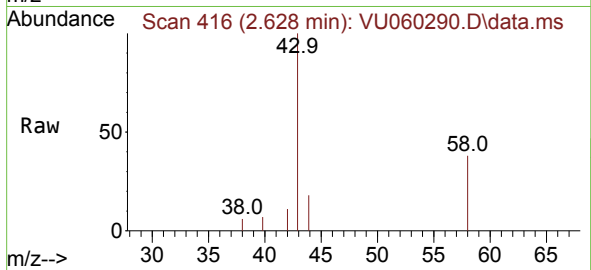
MDL-MED-SOIL-QT3-2024-05

Tgt Ion: 43 Resp: 4680
 Ion Ratio Lower Upper
 43 100
 58 38.5 0.0 73.8

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#14

Carbon disulfide

Concen: 2.225 ug/L

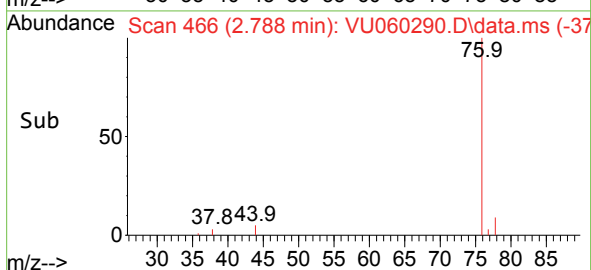
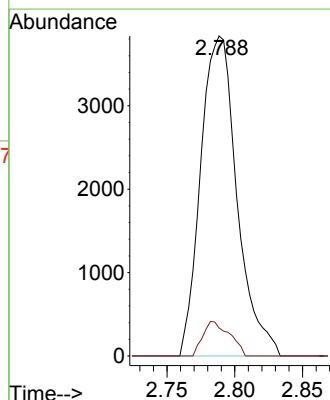
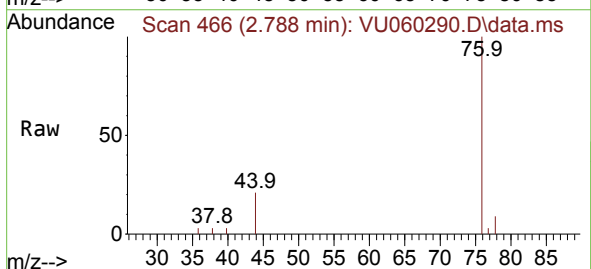
RT: 2.788 min Scan# 466

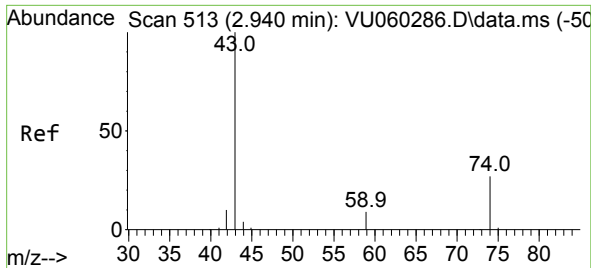
Delta R.T. 0.000 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

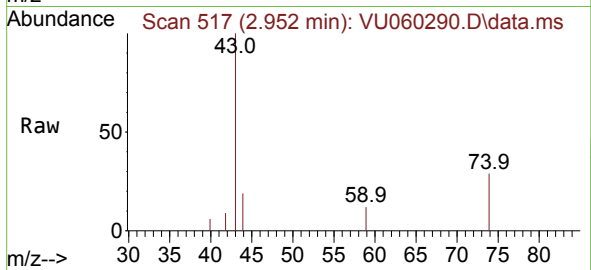
Tgt Ion: 76 Resp: 7155
 Ion Ratio Lower Upper
 76 100
 78 8.8 7.0 10.4





#15
Methyl Acetate
Concen: 3.156 ug/L
RT: 2.952 min Scan# 513
Delta R.T. 0.013 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

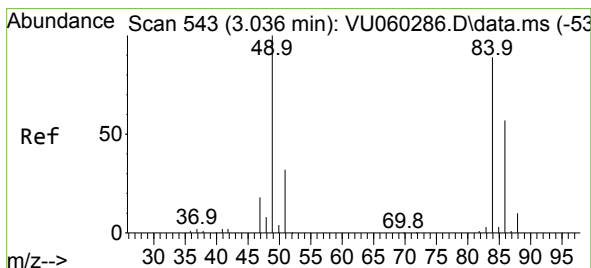
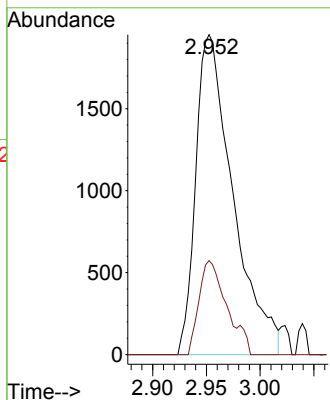
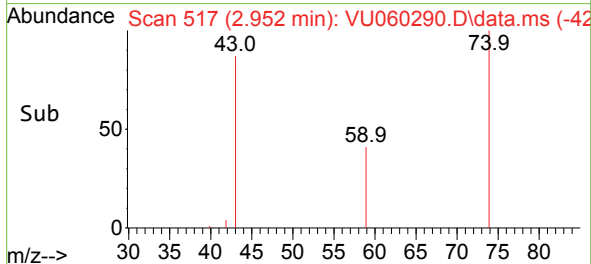
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
74 20.2 24.1 36.1

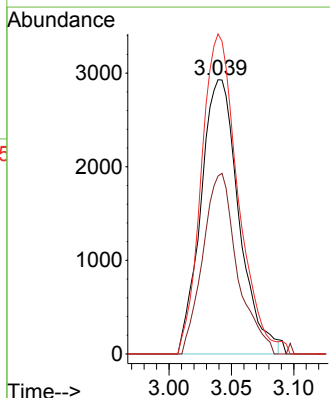
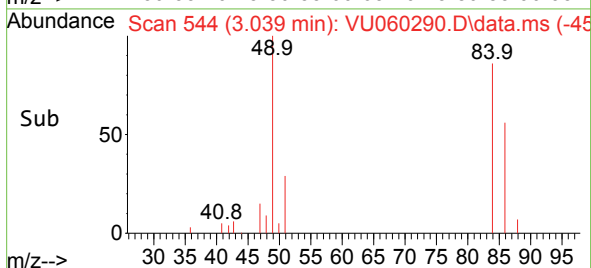
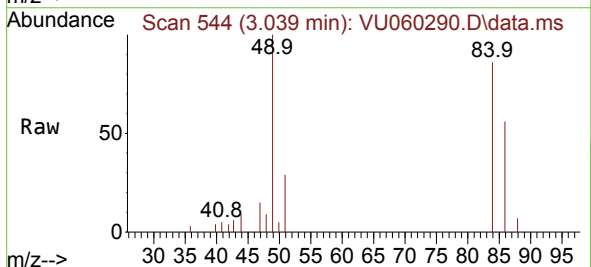
Manual Integrations
APPROVED

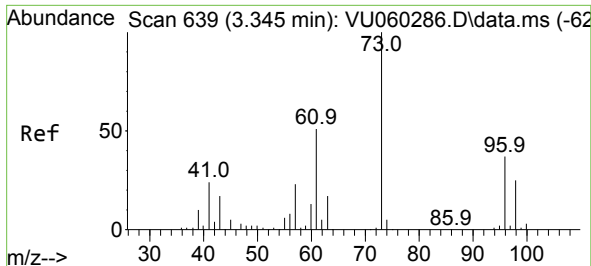
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#16
Methylene chloride
Concen: 3.866 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion: 84 Resp: 6210
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 116.7 71.6 133.0





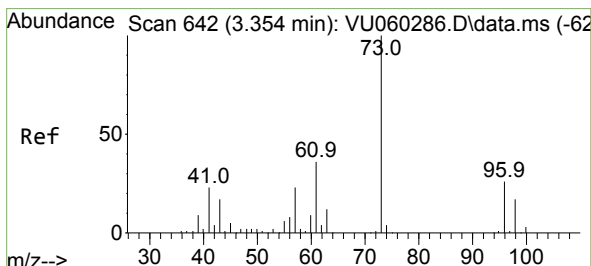
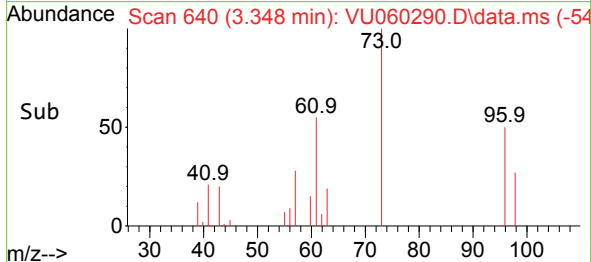
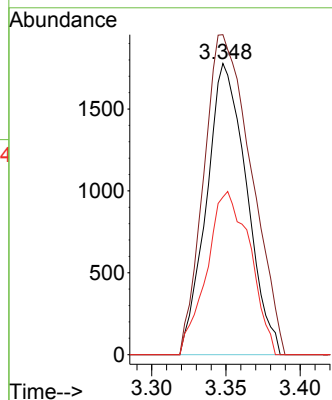
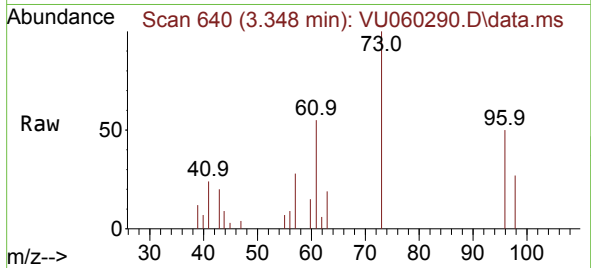
#17
trans-1,2-Dichloroethene
Concen: 2.543 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

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

Tgt Ion: 96 Resp: 333
Ion Ratio Lower Upper
96 100
61 109.9 90.6 168.3
98 54.1 44.9 83.3

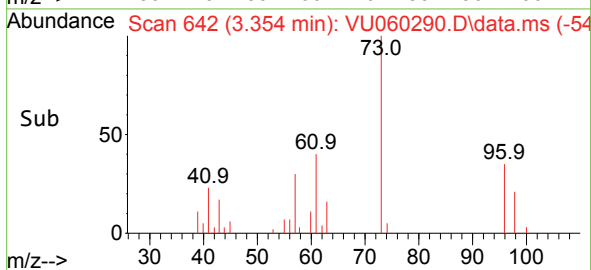
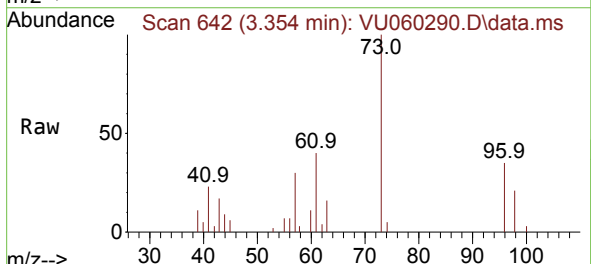
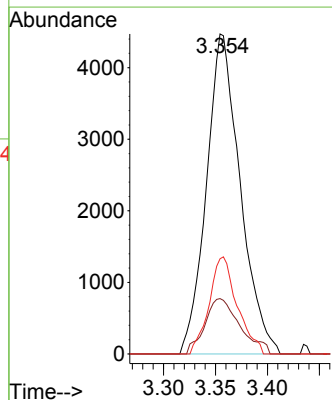
Manual Integrations
APPROVED

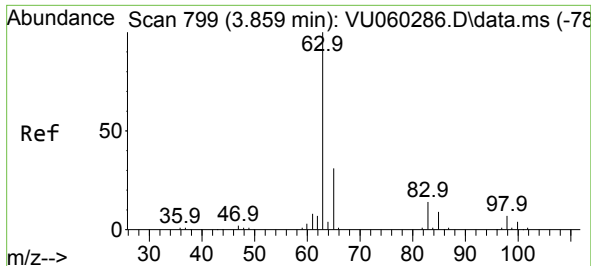
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#18
Methyl tert-butyl Ether
Concen: 2.371 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion: 73 Resp: 10101
Ion Ratio Lower Upper
73 100
43 17.2 14.1 21.1
57 25.2 17.1 25.7





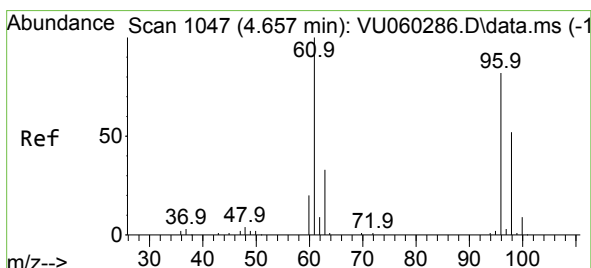
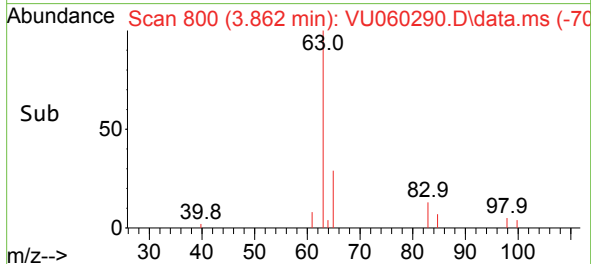
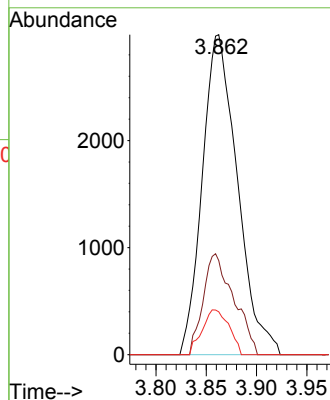
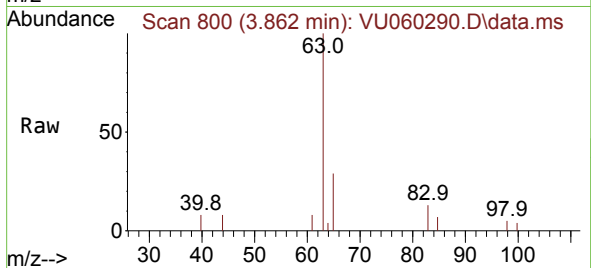
#19
1,1-Dichloroethane
Concen: 2.911 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

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

Tgt Ion: 63 Resp: 7240
Ion Ratio Lower Upper
63 100
65 29.4 23.3 43.3
83 13.4 9.8 18.2

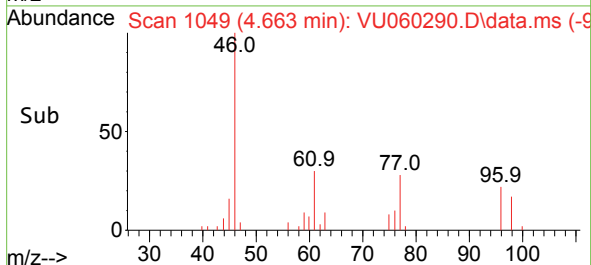
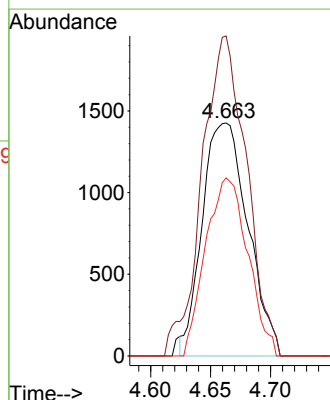
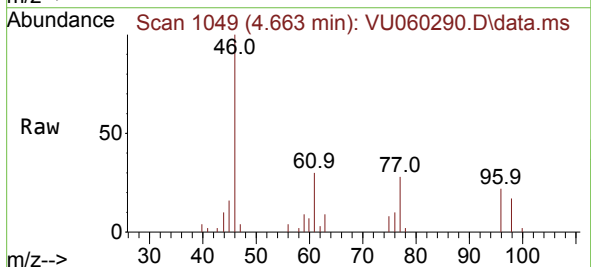
Manual Integrations
APPROVED

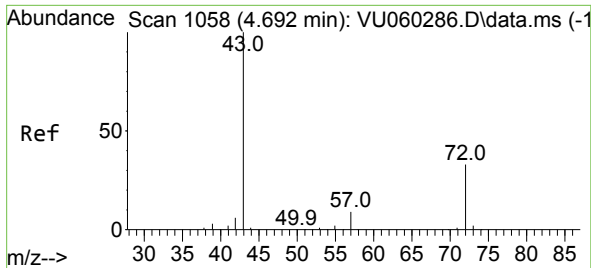
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#20
cis-1,2-Dichloroethene
Concen: 2.374 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

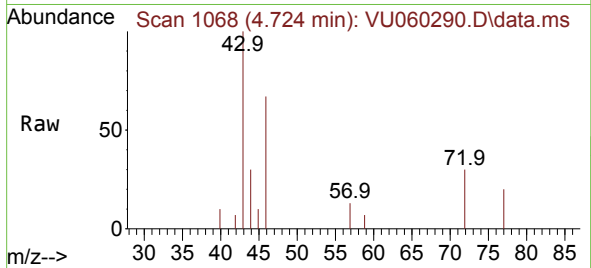
Tgt Ion: 96 Resp: 3770
Ion Ratio Lower Upper
96 100
61 137.4 83.2 154.4
98 76.4 45.9 85.3





#22
2-Butanone
Concen: 5.856 ug/L m
RT: 4.724 min Scan# 1068
Delta R.T. 0.032 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

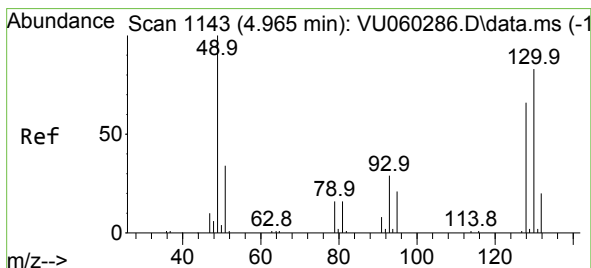
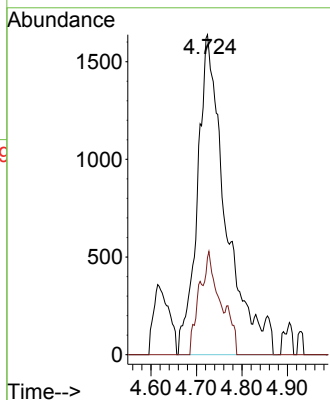
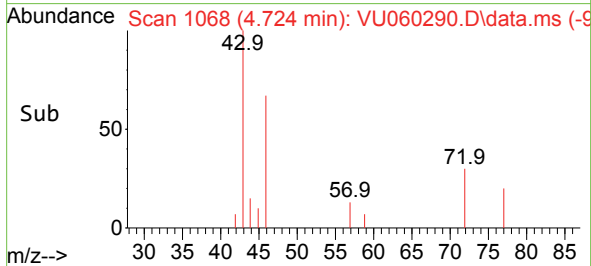
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
72 6.3 16.4 49.2

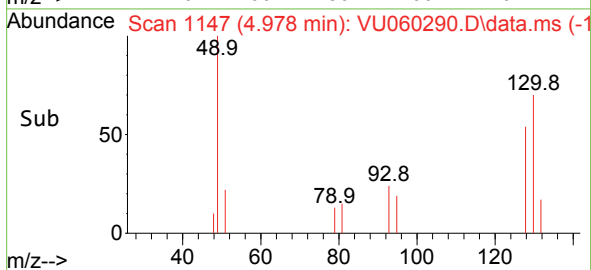
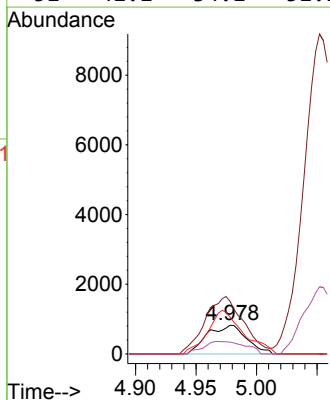
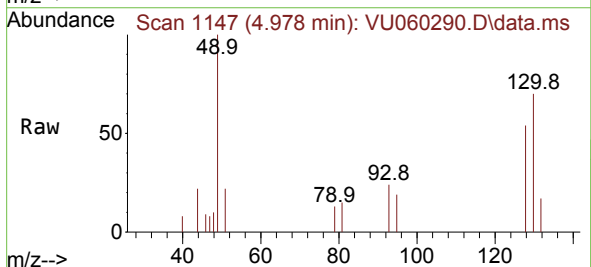
Manual Integrations
APPROVED

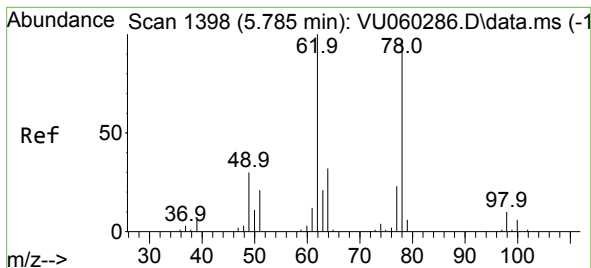
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#23
Bromochloromethane
Concen: 2.215 ug/L m
RT: 4.978 min Scan# 1147
Delta R.T. 0.013 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion:128 Resp: 1855
Ion Ratio Lower Upper
128 100
49 183.8 96.7 179.7#
130 128.2 86.3 160.3
51 41.1 34.1 51.1





#27

1,2-Dichloroethane

Concen: 2.549 ug/L

RT: 5.795 min Scan# 1401

Delta R.T. 0.010 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

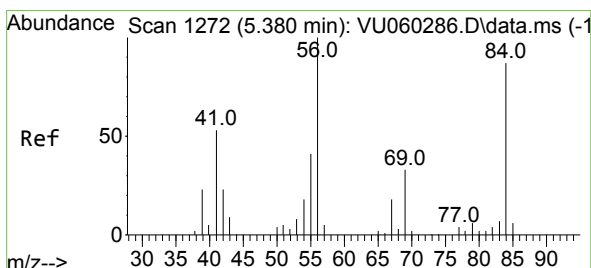
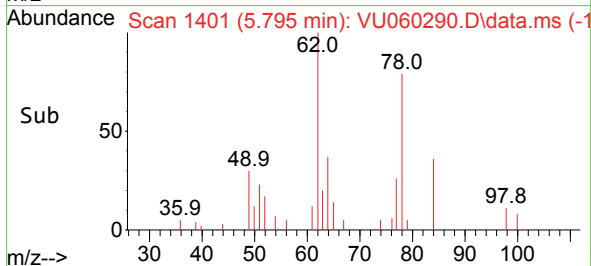
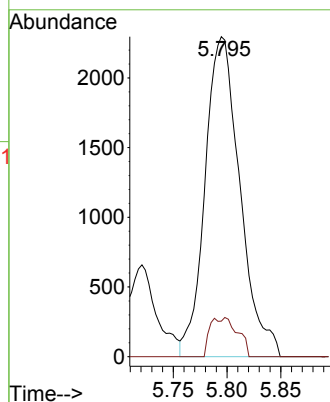
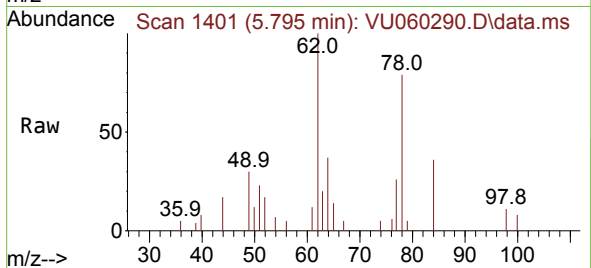
MDL-MED-SOIL-QT3-2024-05

Tgt Ion: 62 Resp: 5179
 Ion Ratio Lower Upper
 62 100
 98 11.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024



#29

Cyclohexane

Concen: 1.835 ug/L

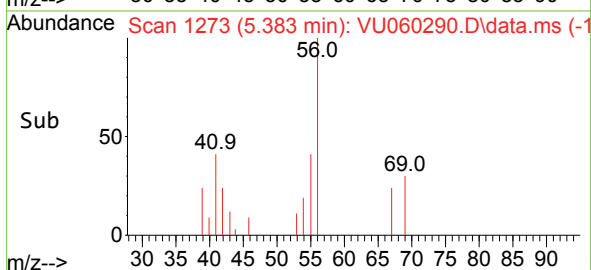
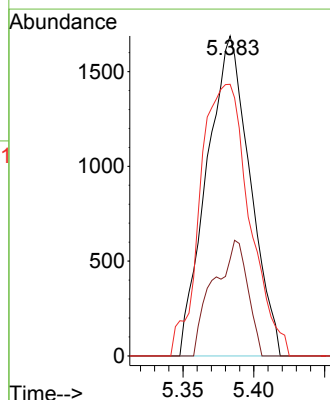
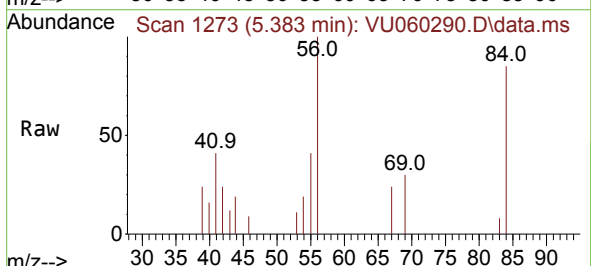
RT: 5.383 min Scan# 1273

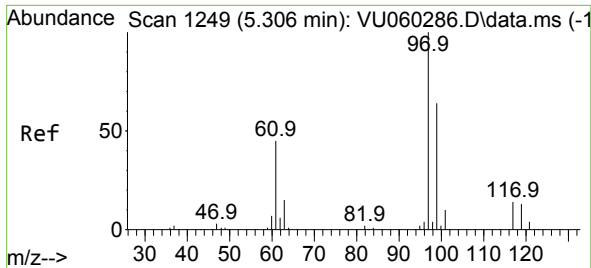
Delta R.T. 0.003 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

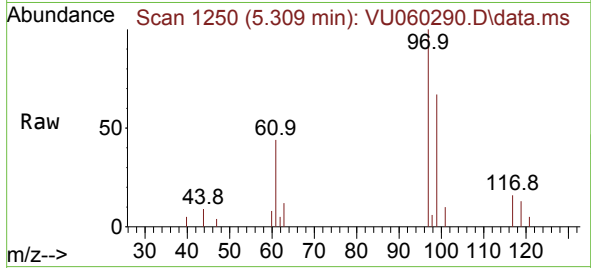
Tgt Ion: 56 Resp: 3577
 Ion Ratio Lower Upper
 56 100
 69 17.8 26.0 39.0#
 84 96.6 75.5 113.3





#30
1,1,1-Trichloroethane
Concen: 2.435 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

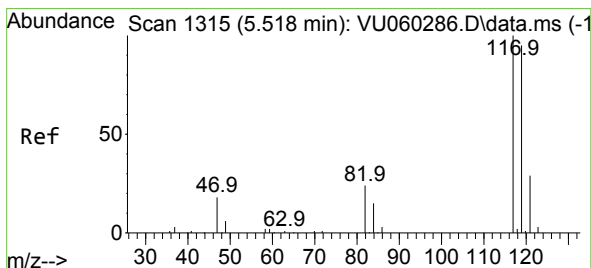
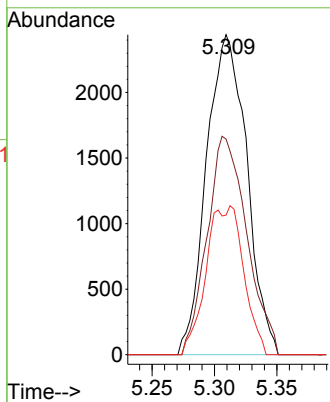
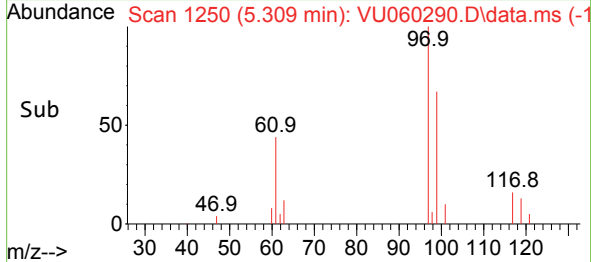
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 97 Resp: 549
Ion Ratio Lower Upper
97 100
99 67.3 52.2 78.2
61 20.9 35.2 52.8

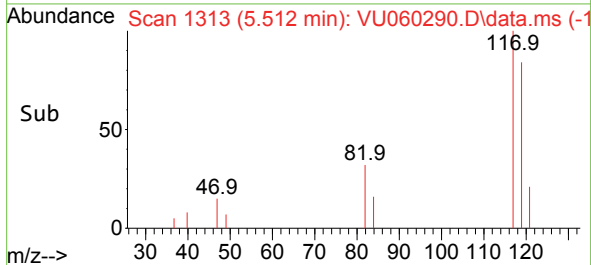
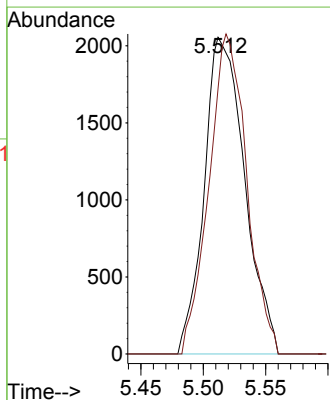
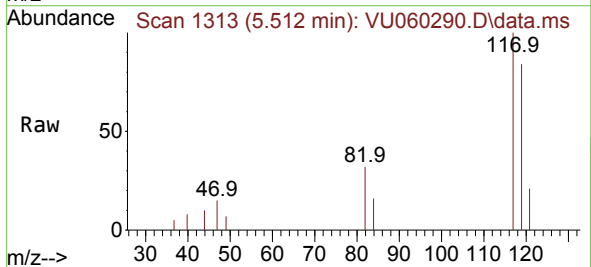
Manual Integrations
APPROVED

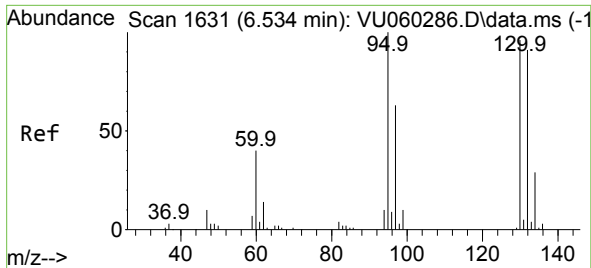
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#31
Carbon tetrachloride
Concen: 2.492 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

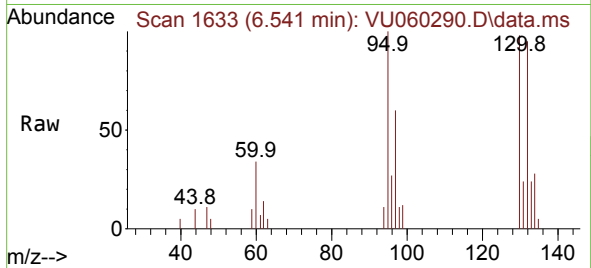
Tgt Ion:117 Resp: 4644
Ion Ratio Lower Upper
117 100
119 94.3 77.6 116.4





#34
Trichloroethene
Concen: 2.525 ug/L
RT: 6.541 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

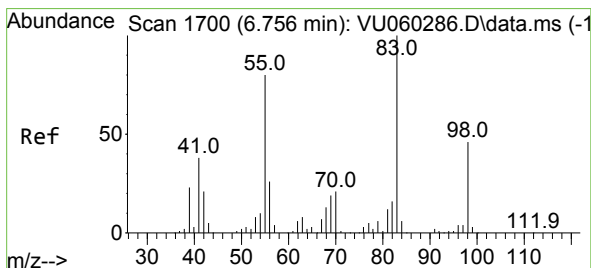
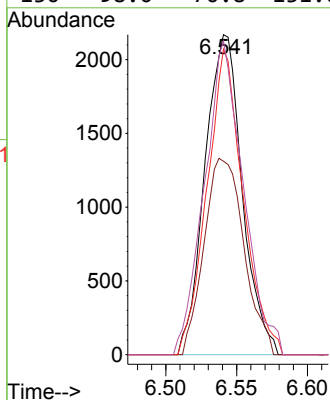
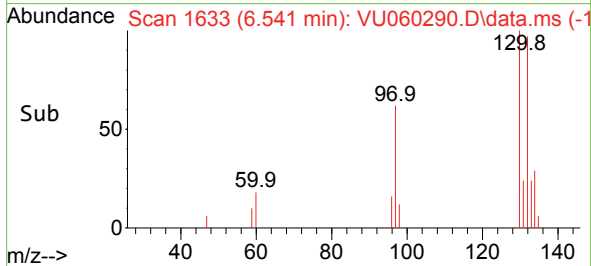
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 95 Resp: 3962
Ion Ratio Lower Upper
95 100
97 60.4 45.8 85.2
132 95.5 69.8 129.6
130 98.0 70.8 131.6

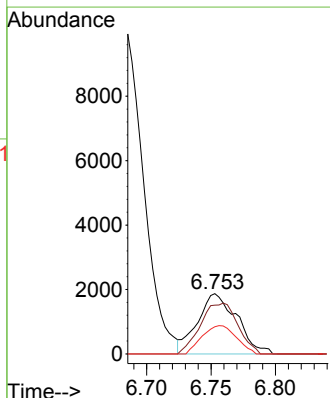
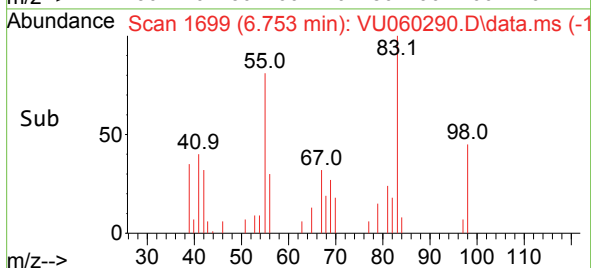
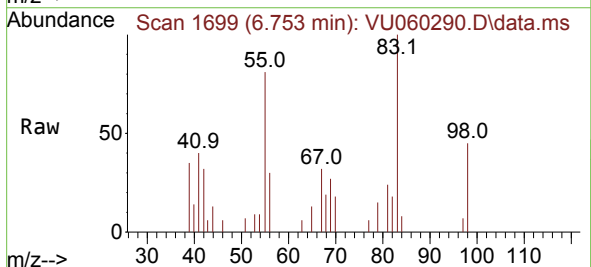
Manual Integrations
APPROVED

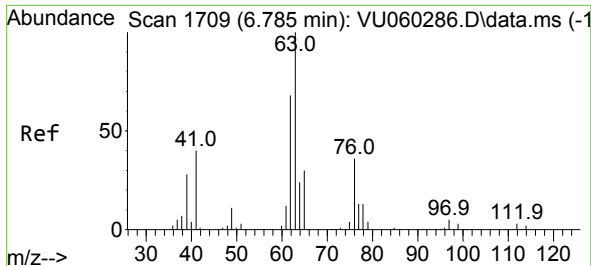
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#35
Methylcyclohexane
Concen: 1.839 ug/L m
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

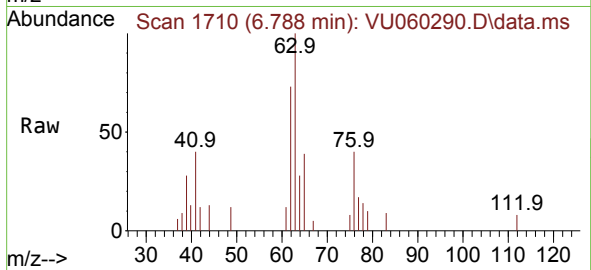
Tgt Ion: 83 Resp: 3986
Ion Ratio Lower Upper
83 100
55 0.0 56.8 85.2#
98 40.7 36.5 54.7





#37
1,2-Dichloropropane
Concen: 2.727 ug/L
RT: 6.788 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

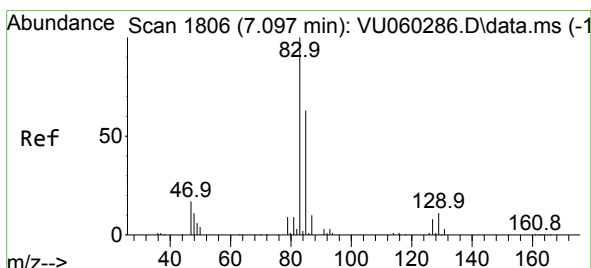
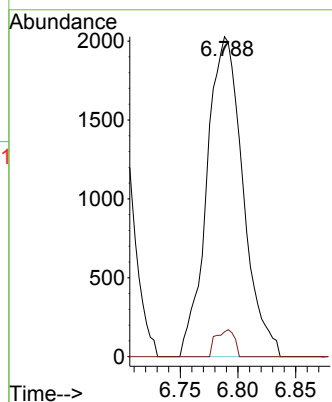
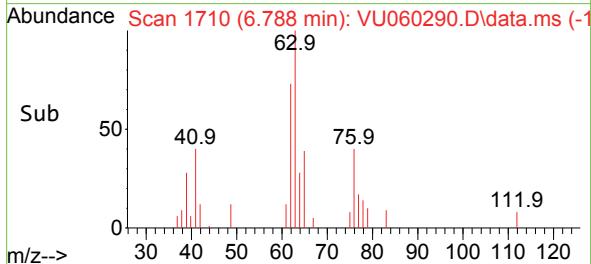
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2024-05



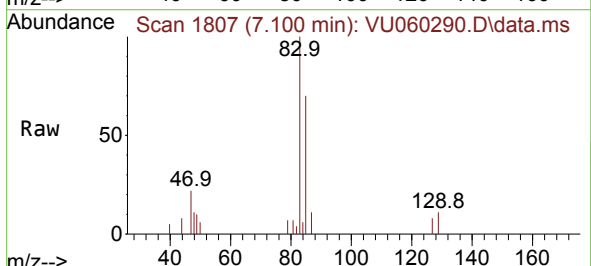
Tgt Ion: 63 Resp: 441
Ion Ratio Lower Upper
63 100
112 2.6 3.0 4.6

Manual Integrations
APPROVED

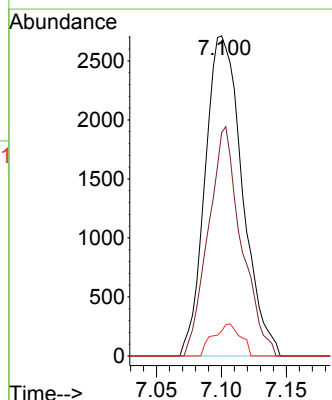
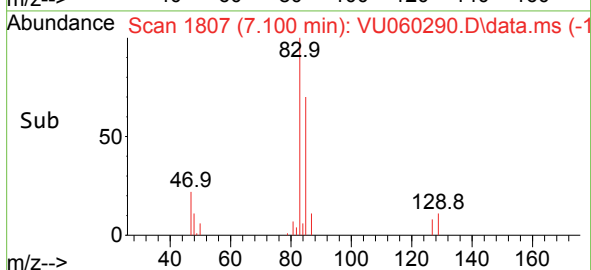
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

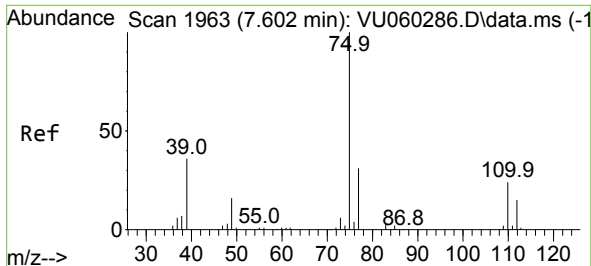


#38
Bromodichloromethane
Concen: 2.636 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



Tgt Ion: 83 Resp: 5406
Ion Ratio Lower Upper
83 100
85 69.8 45.0 83.6
127 7.8 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 2.323 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

Instrument :

MSVOA_U

ClientSampleId :

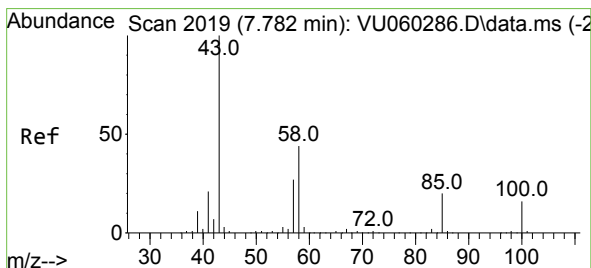
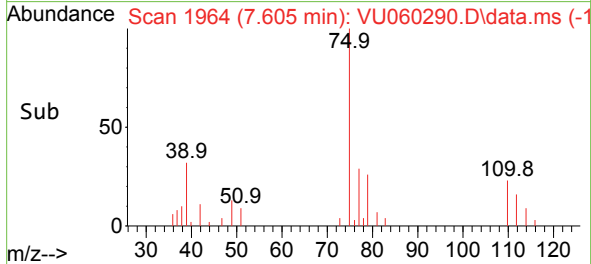
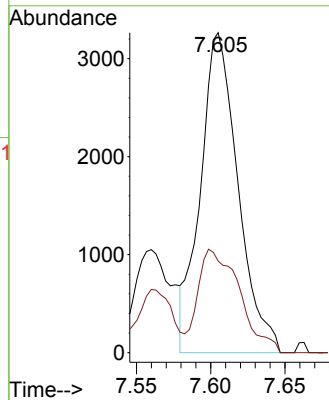
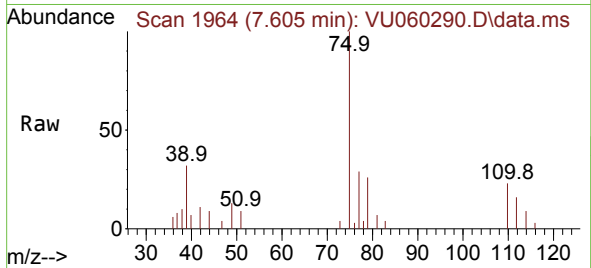
MDL-MED-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 575
 Ion Ratio Lower Upper
 75 100
 77 28.6 21.6 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024



#40

4-Methyl-2-pentanone

Concen: 5.103 ug/L

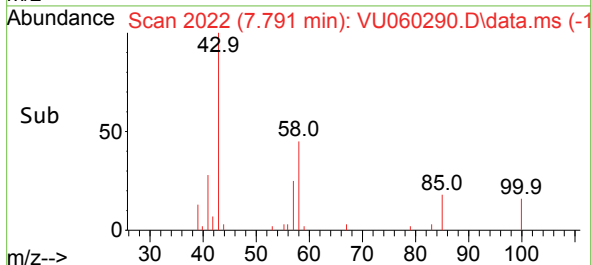
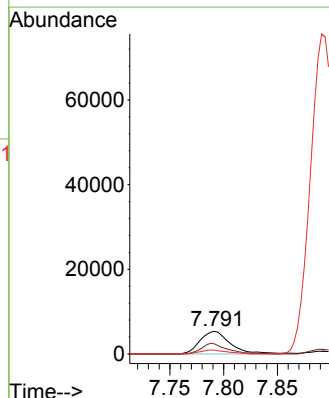
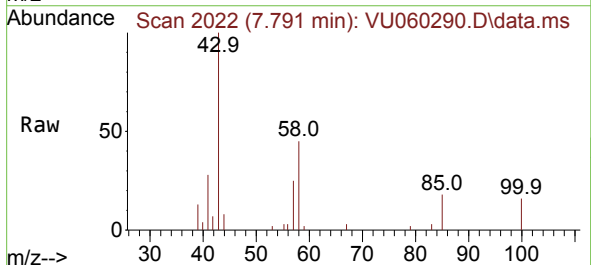
RT: 7.791 min Scan# 2022

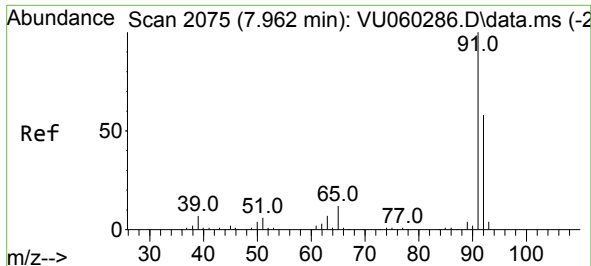
Delta R.T. 0.010 min

Lab File: VU060290.D

Acq: 01 Aug 2024 11:15

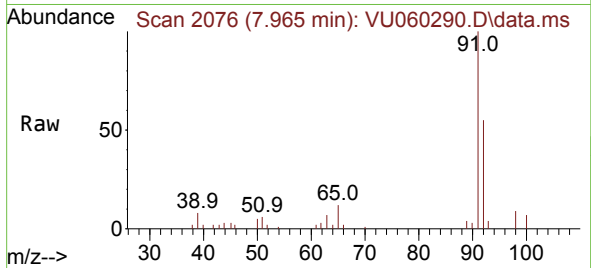
Tgt Ion: 43 Resp: 10439
 Ion Ratio Lower Upper
 43 100
 58 39.4 35.3 52.9
 100 15.7 14.6 22.0





#42
Toluene
Concen: 2.281 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

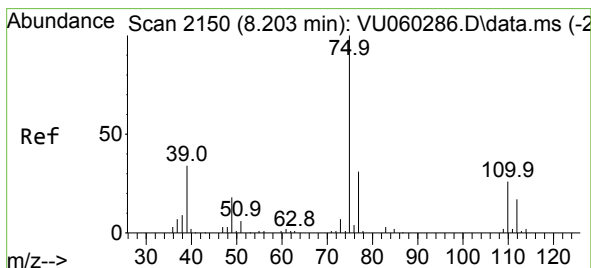
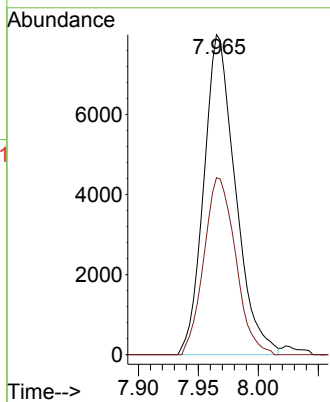
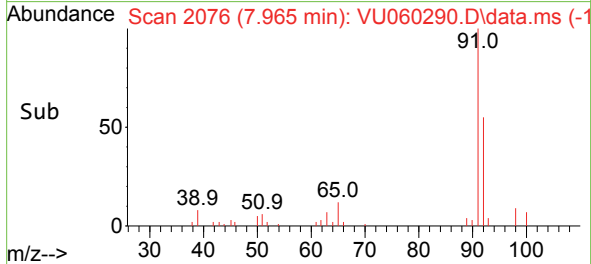
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 91 Resp: 1464
Ion Ratio Lower Upper
91 100
92 55.3 39.3 72.9

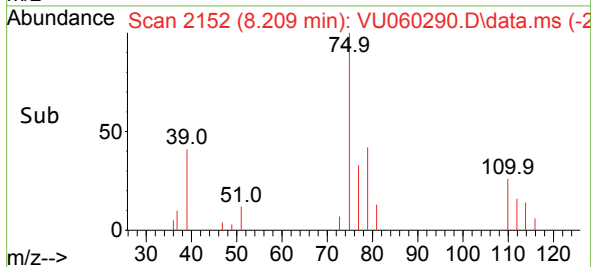
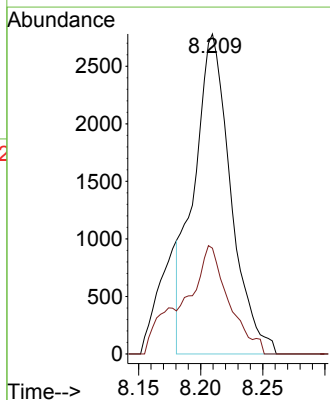
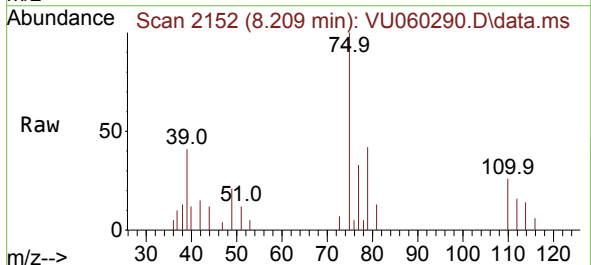
Manual Integrations
APPROVED

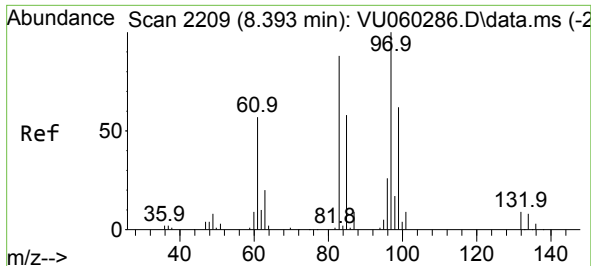
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#44
trans-1,3-Dichloropropene
Concen: 2.523 ug/L m
RT: 8.209 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

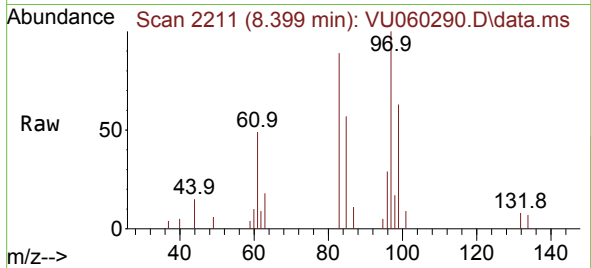
Tgt Ion: 75 Resp: 5739
Ion Ratio Lower Upper
75 100
77 33.0 21.7 40.3





#45
1,1,2-Trichloroethane
Concen: 2.657 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

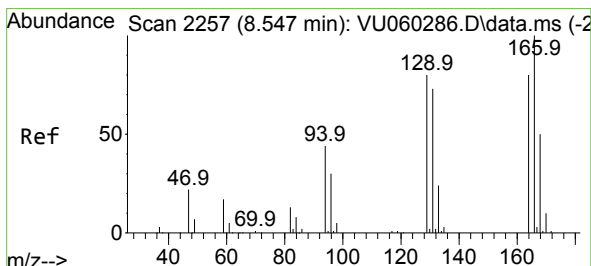
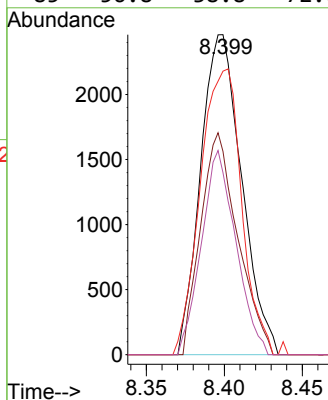
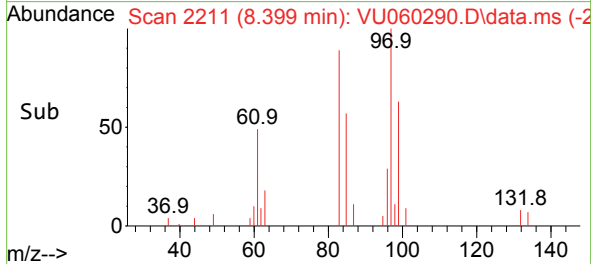
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.1	80.1
83	88.6	60.4	112.2
85	56.8	38.8	72.0

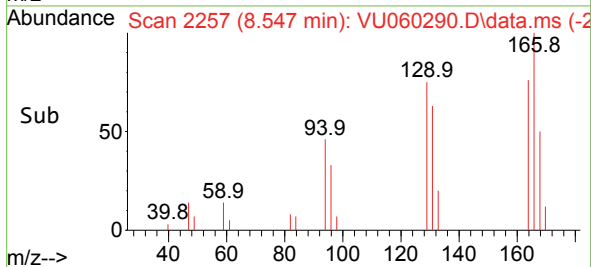
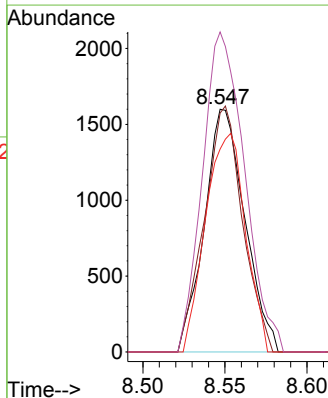
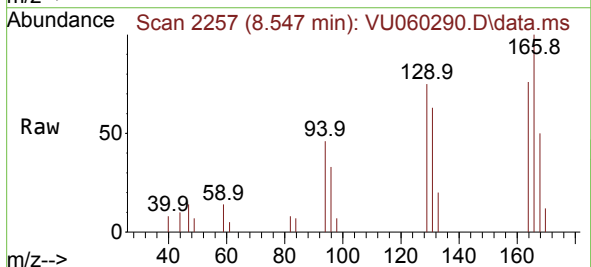
Manual Integrations
APPROVED

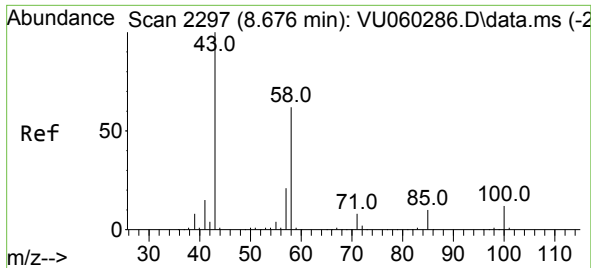
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#46
Tetrachloroethene
Concen: 2.124 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

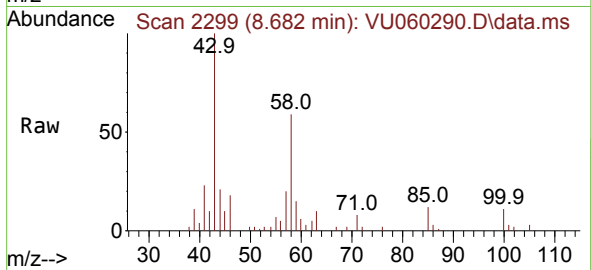
Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.4	62.7	116.5
131	83.6	62.3	115.7
166	131.8	88.9	165.1





#48
2-Hexanone
Concen: 8.387 ug/L
RT: 8.682 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

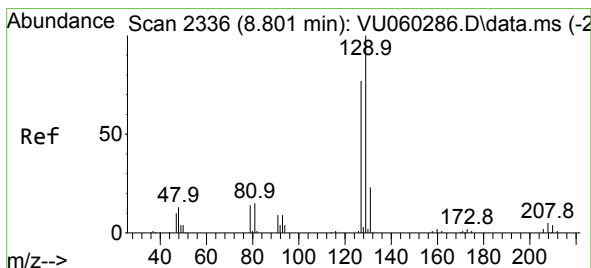
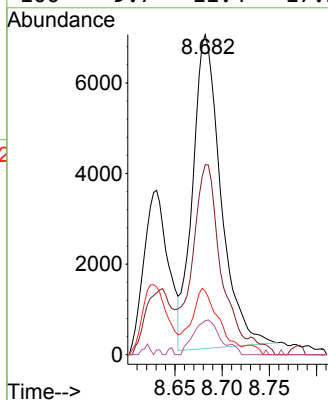
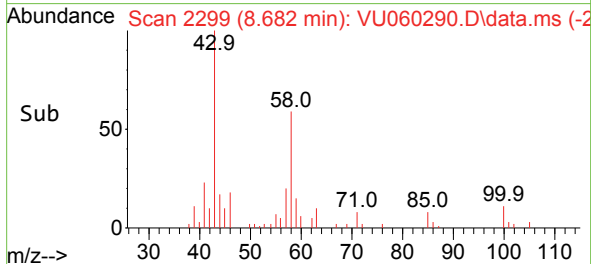
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 1435
Ion Ratio Lower Upper
43 100
58 50.1 49.0 73.6
57 20.9 16.7 25.1
100 9.7 11.4 17.2#

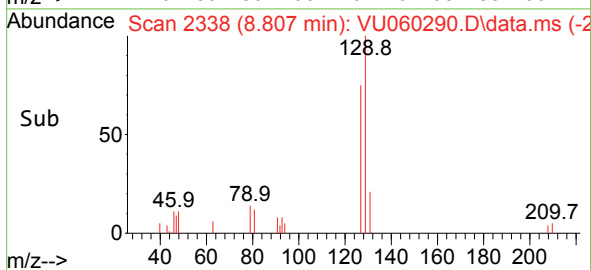
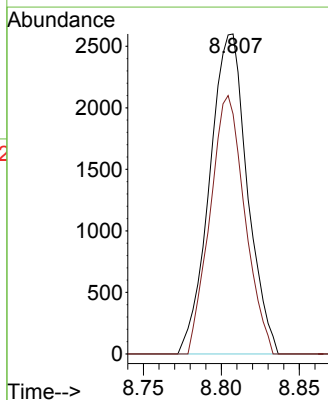
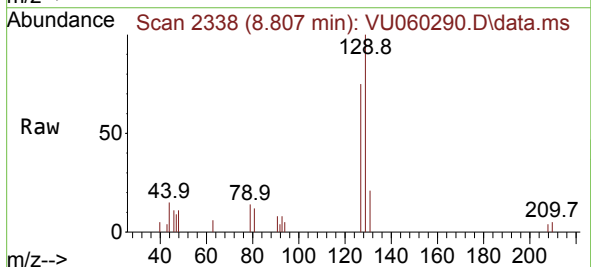
Manual Integrations
APPROVED

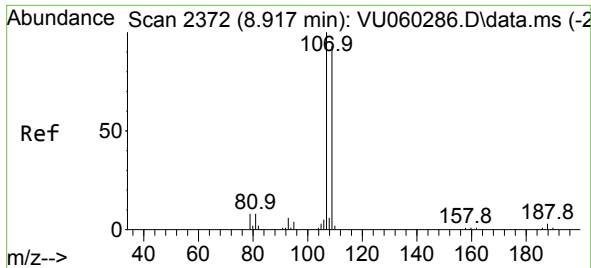
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#49
Dibromochloromethane
Concen: 2.621 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

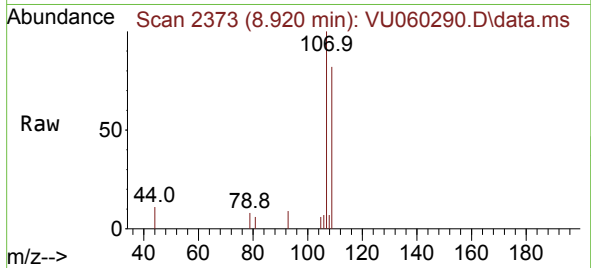
Tgt Ion:129 Resp: 4378
Ion Ratio Lower Upper
129 100
127 75.0 54.0 100.2





#50
1,2-Dibromoethane
Concen: 2.439 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

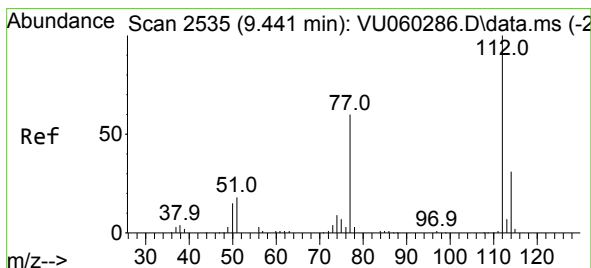
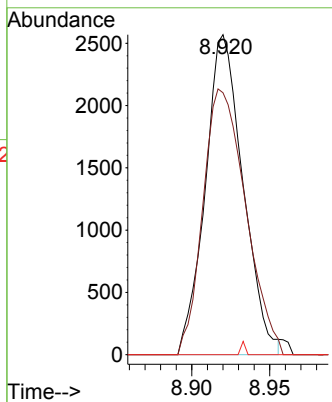
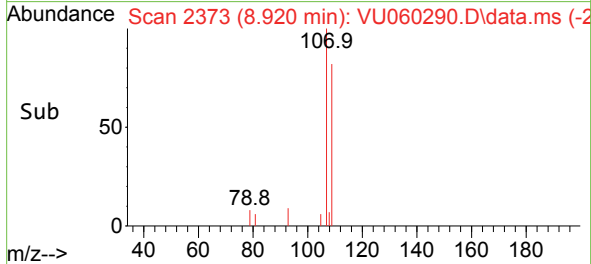
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



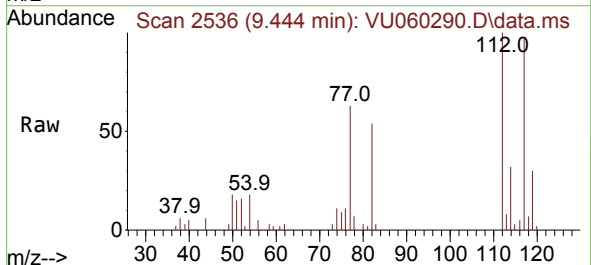
Tgt Ion:107 Resp: 432
Ion Ratio Lower Upper
107 100
109 81.9 65.5 121.6
188 0.0 3.0 4.4

Manual Integrations
APPROVED

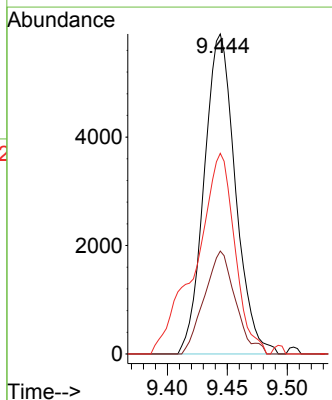
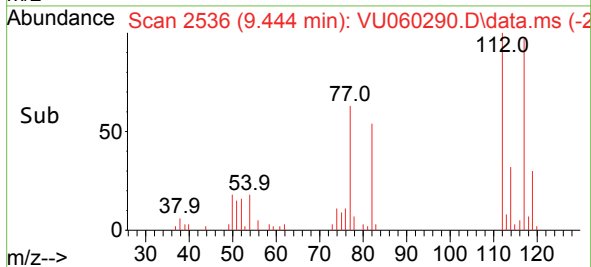
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

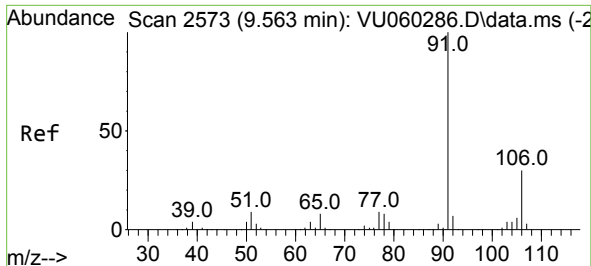


#51
Chlorobenzene
Concen: 2.508 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



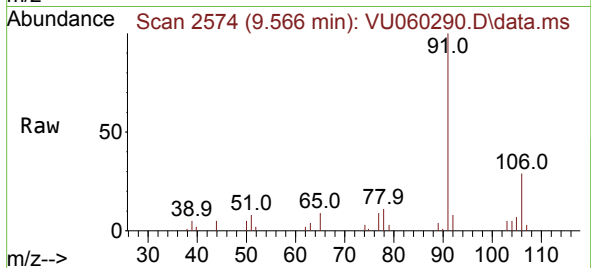
Tgt Ion:112 Resp: 10687
Ion Ratio Lower Upper
112 100
114 34.8 22.7 42.3
77 62.7 45.8 68.6





#52
Ethylbenzene
Concen: 2.079 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

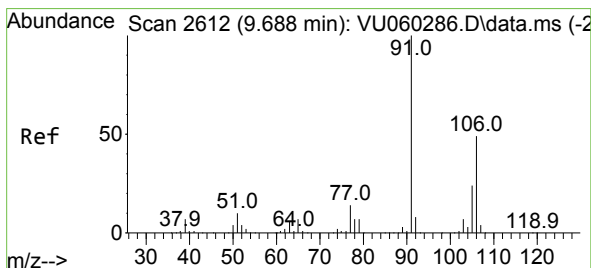
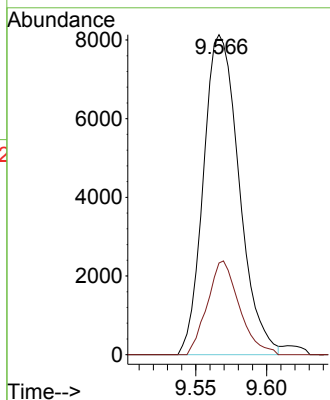
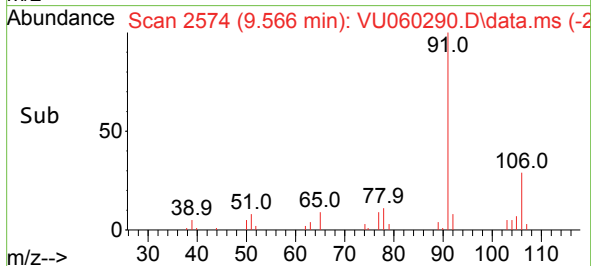
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



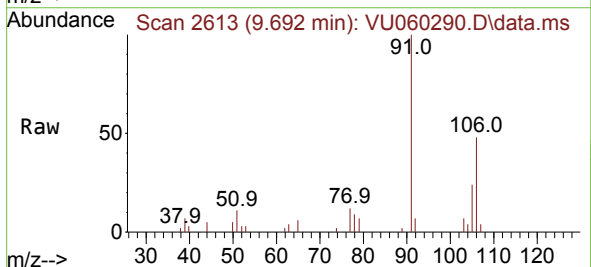
Tgt Ion: 91 Resp: 1425
Ion Ratio Lower Upper
91 100
106 28.6 22.4 41.6

Manual Integrations
APPROVED

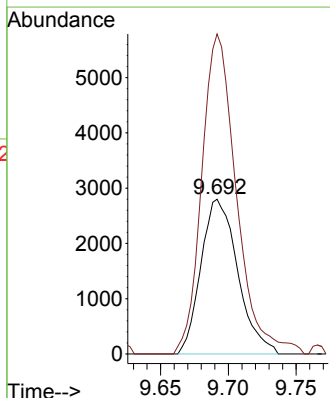
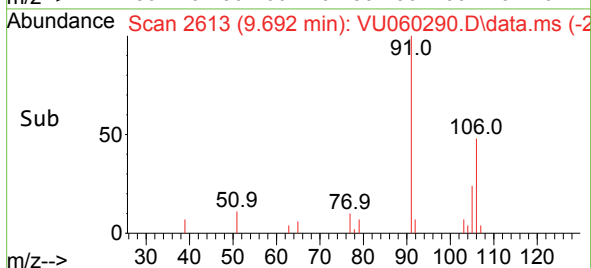
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

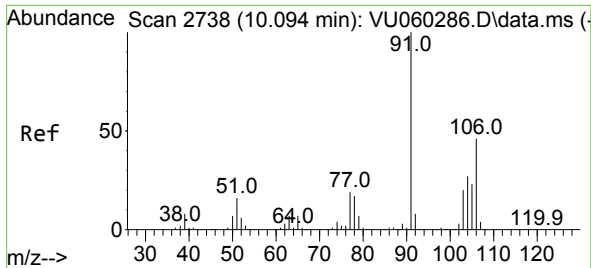


#53
m,p-Xylene
Concen: 1.981 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



Tgt Ion:106 Resp: 5286
Ion Ratio Lower Upper
106 100
91 206.9 140.9 261.7





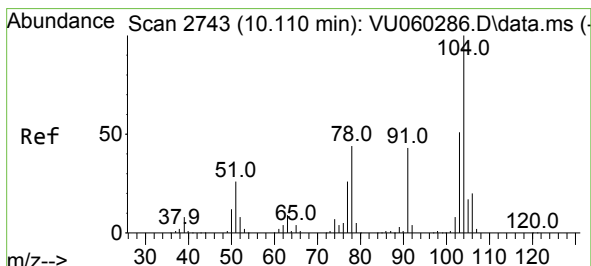
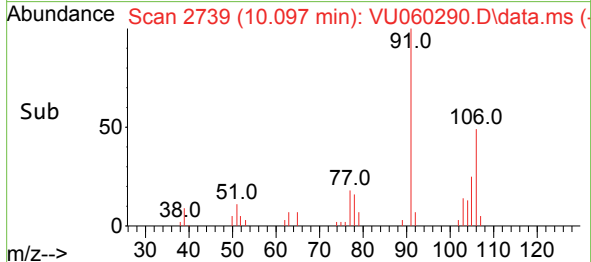
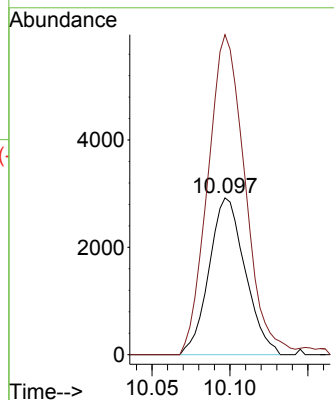
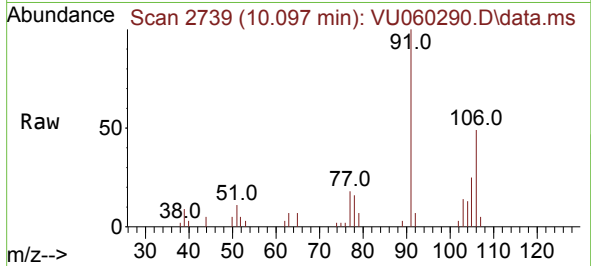
#54
o-Xylene
Concen: 1.830 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

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

Tgt Ion:106 Resp: 469
Ion Ratio Lower Upper
106 100
91 204.1 147.4 273.8

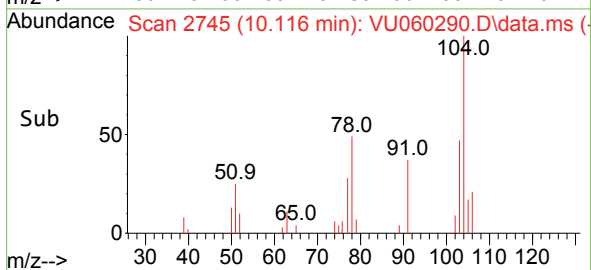
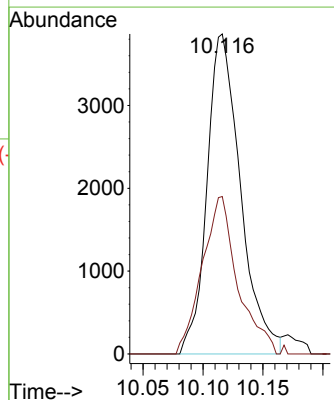
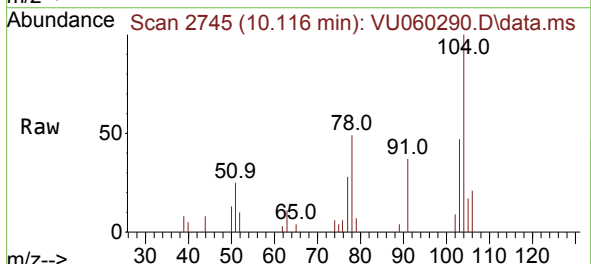
Manual Integrations
APPROVED

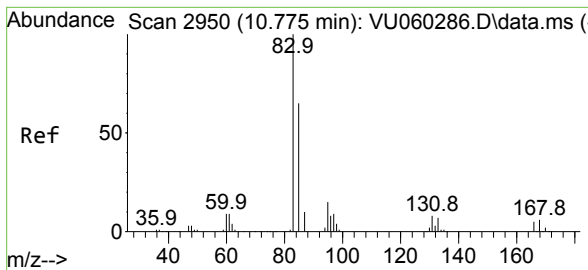
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#55
Styrene
Concen: 1.732 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

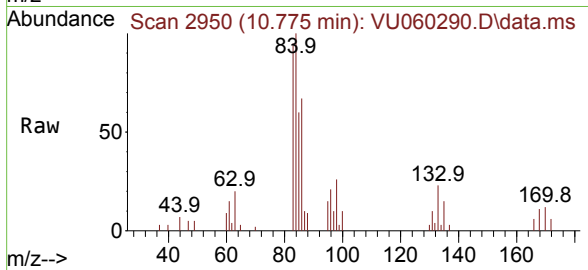
Tgt Ion:104 Resp: 7501
Ion Ratio Lower Upper
104 100
78 49.2 30.9 57.5





#57
1,1,2,2-Tetrachloroethane
Concen: 3.028 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

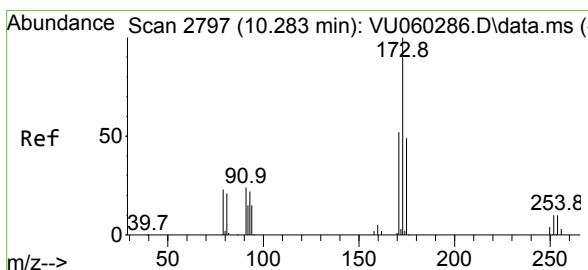
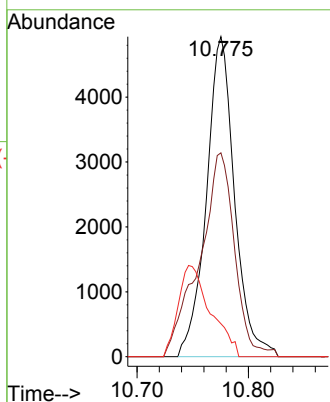
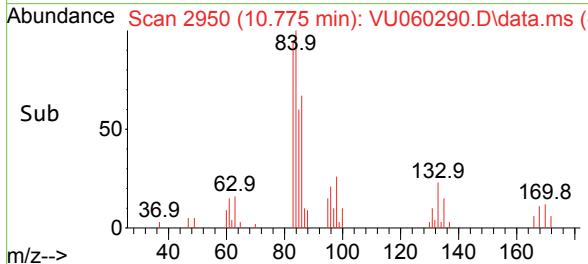
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2024-05



Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	45.4	84.2
131	10.3	7.5	11.3

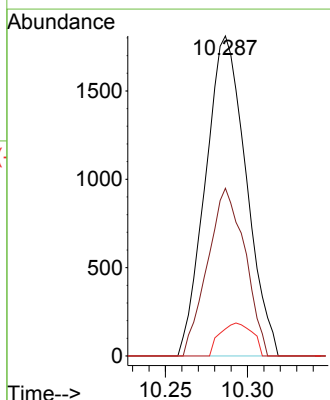
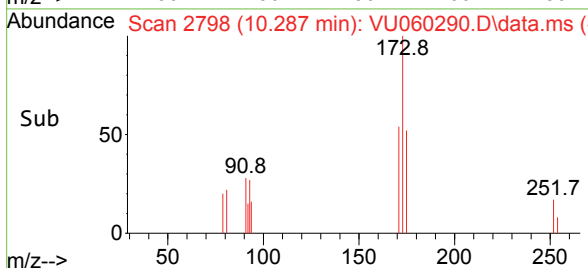
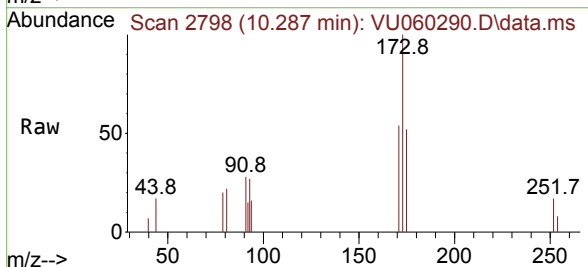
Manual Integrations
APPROVED

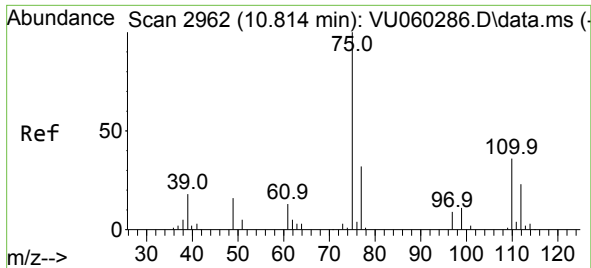
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#59
Bromoform
Concen: 2.872 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

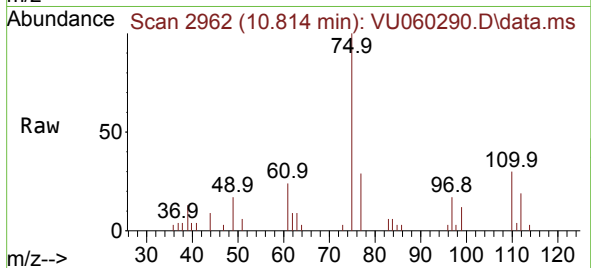
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.4	59.2
254	8.3	9.0	13.4





#60
1,2,3-Trichloropropane
Concen: 3.533 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

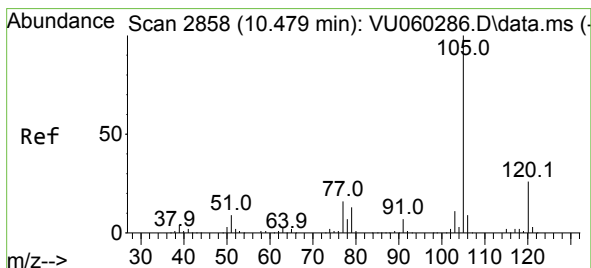
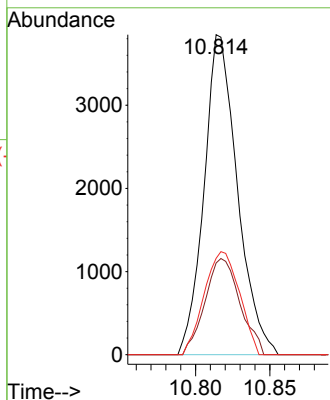
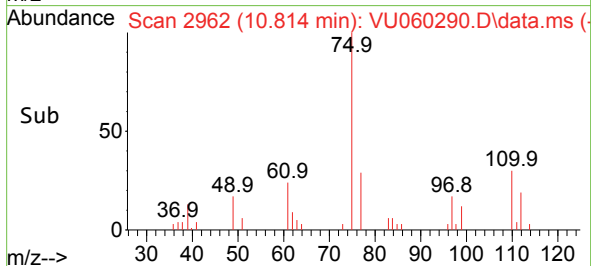
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2024-05



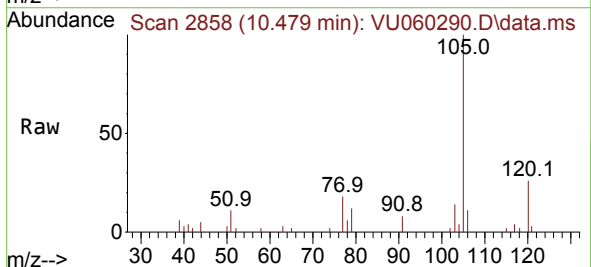
Tgt Ion: 75 Resp: 600
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
110 34.1 30.7 46.1

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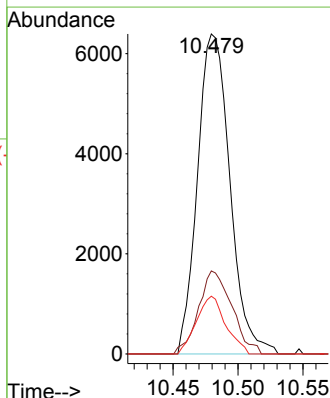
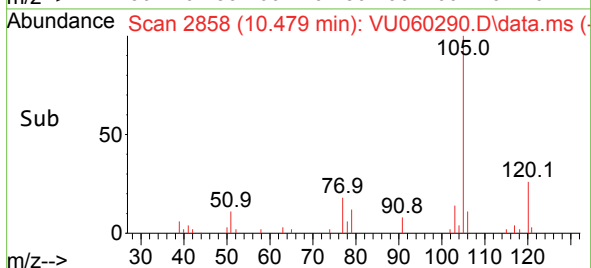
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

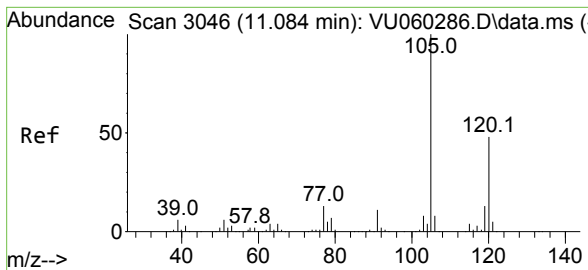


#61
Isopropylbenzene
Concen: 2.130 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



Tgt Ion:105 Resp: 11115
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 16.3 12.1 18.1





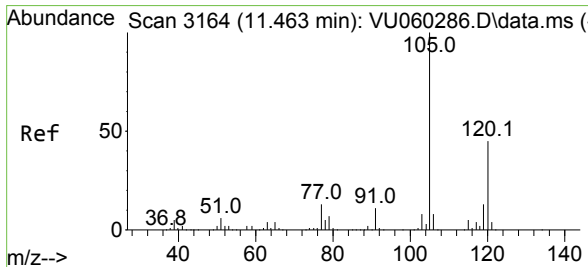
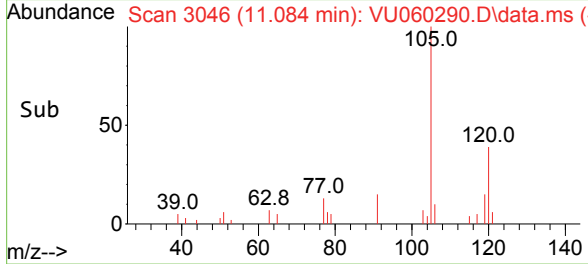
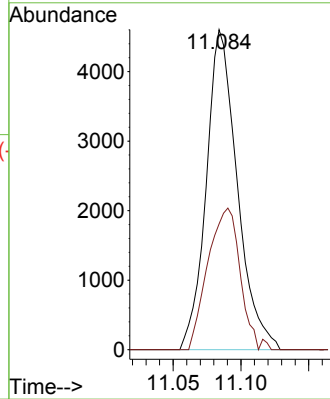
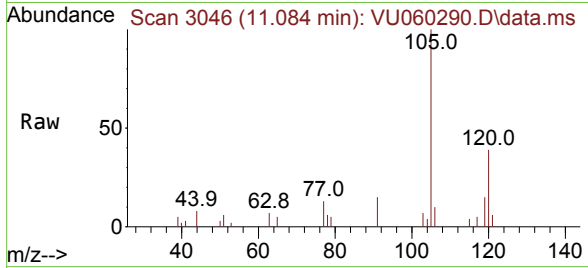
#62
1,3,5-Trimethylbenzene
Concen: 1.916 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

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

Tgt Ion:105 Resp: 7318
Ion Ratio Lower Upper
105 100
120 45.5 39.5 59.3

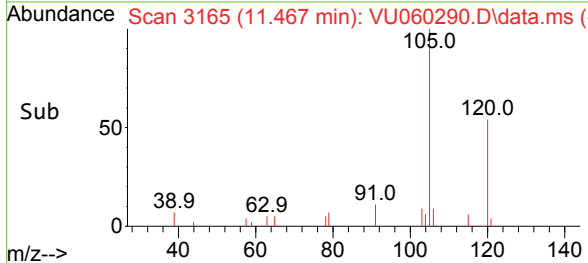
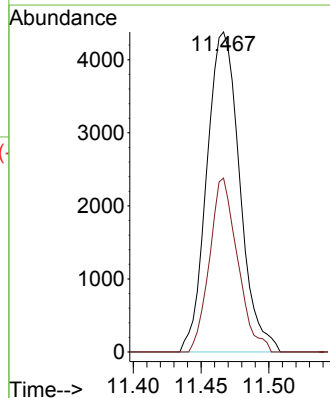
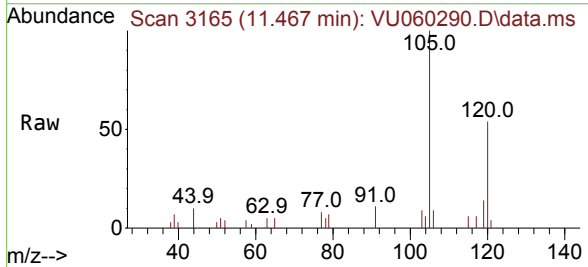
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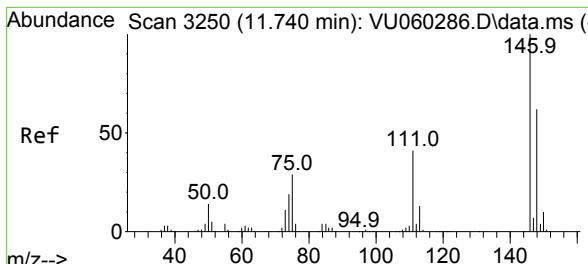
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.811 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

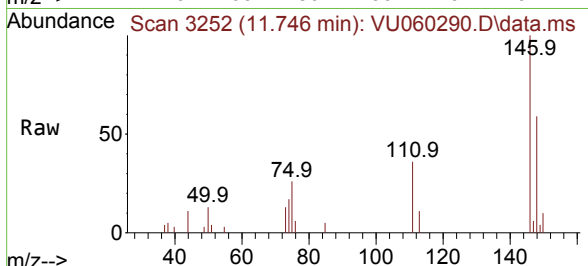
Tgt Ion:105 Resp: 7407
Ion Ratio Lower Upper
105 100
120 46.3 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 2.568 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

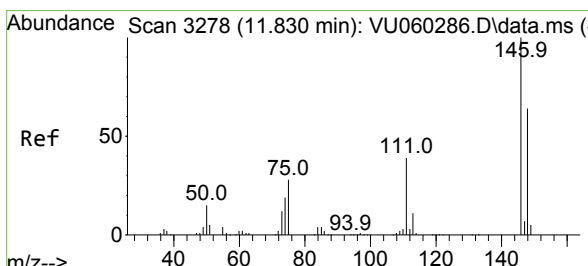
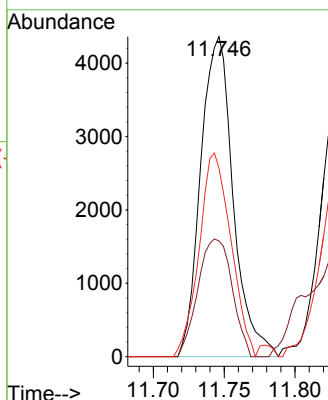
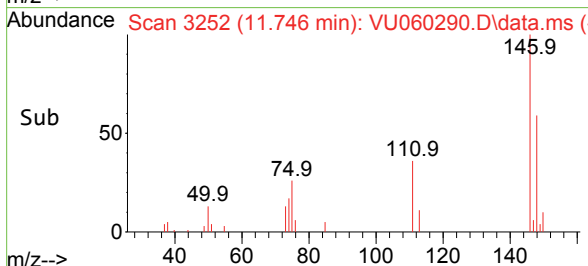
Instrument : MSVOA_U
ClientSampleId :
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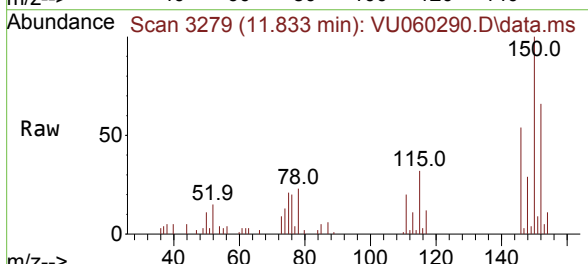
Tgt Ion:146 Resp: 6949
Ion Ratio Lower Upper
146 100
111 36.2 26.5 49.1
148 58.9 43.8 81.3

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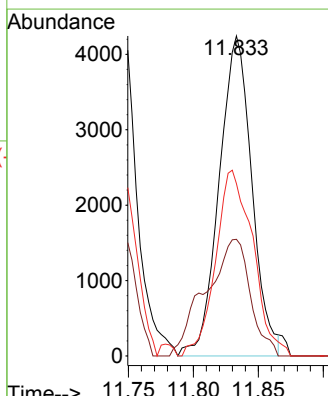
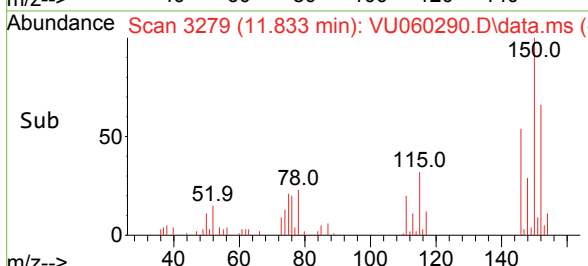
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

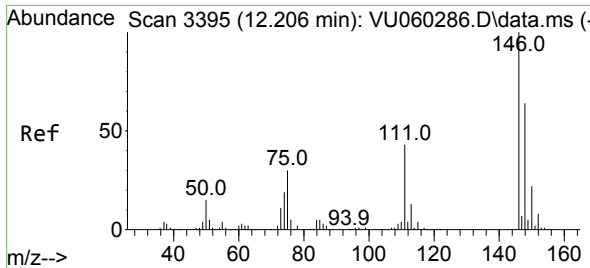


#65
1,4-Dichlorobenzene
Concen: 2.658 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



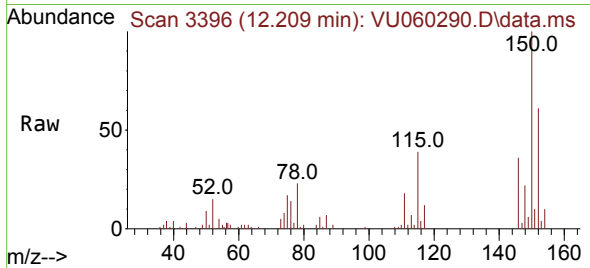
Tgt Ion:146 Resp: 7435
Ion Ratio Lower Upper
146 100
111 34.7 25.9 48.1
148 51.3 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 2.877 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

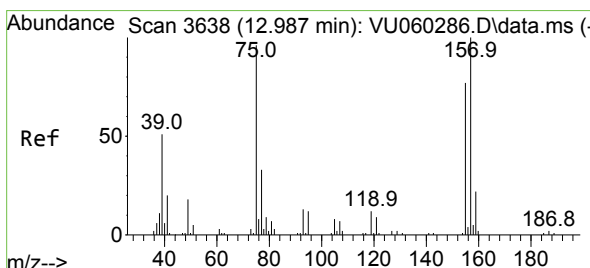
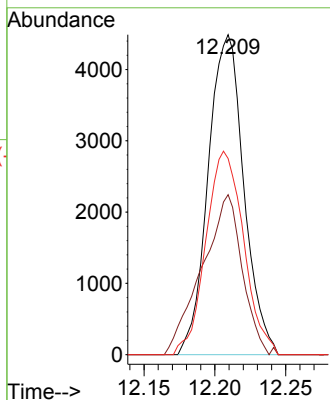
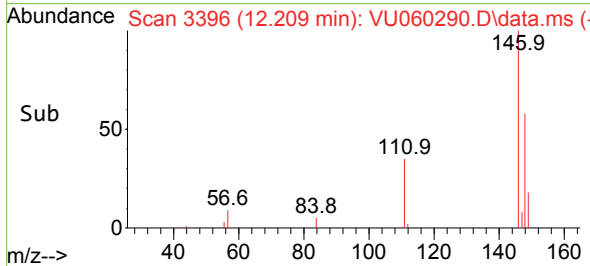
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



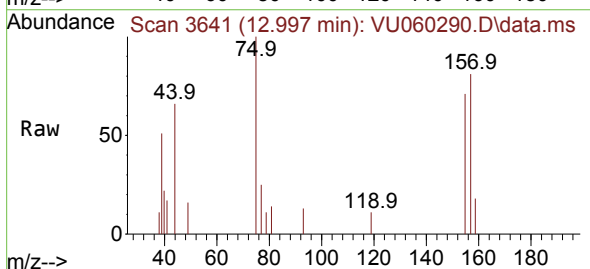
Tgt Ion:146 Resp: 786
Ion Ratio Lower Upper
146 100
111 50.0 31.7 47.5
148 61.3 50.8 76.2

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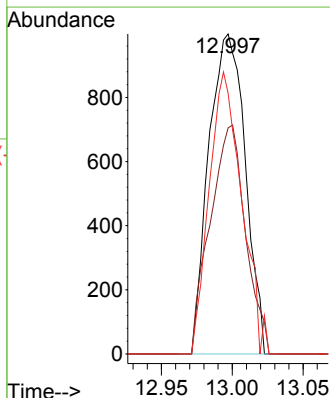
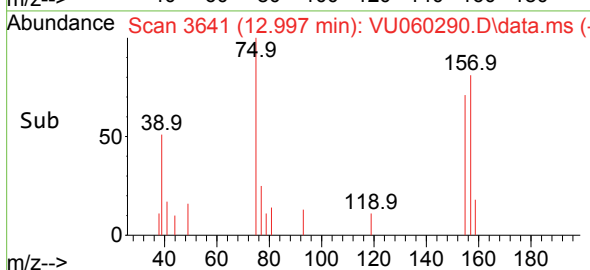
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

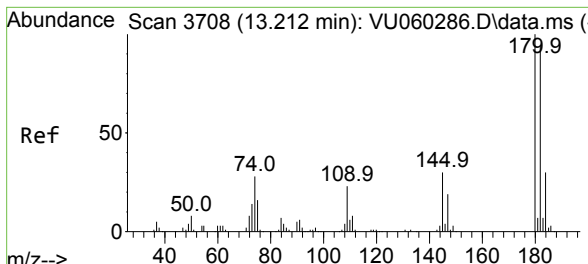


#68
1,2-Dibromo-3-chloropropane
Concen: 3.838 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.010 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15



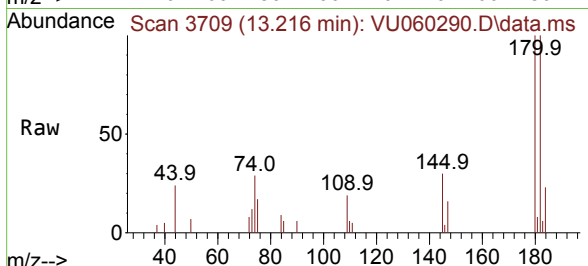
Tgt Ion: 75 Resp: 1783
Ion Ratio Lower Upper
75 100
155 70.6 73.5 110.3#
157 81.5 93.5 140.3#





#69
 1,3,5-Trichlorobenzene
 Concen: 2.345 ug/L
 RT: 13.216 min Scan# 3708
 Delta R.T. 0.003 min
 Lab File: VU060290.D
 Acq: 01 Aug 2024 11:15

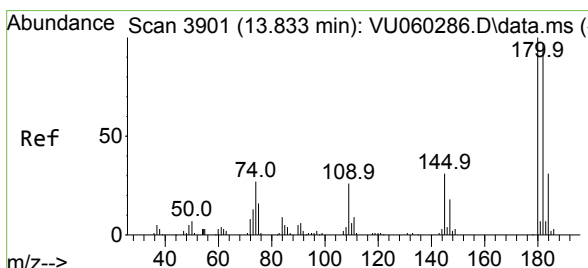
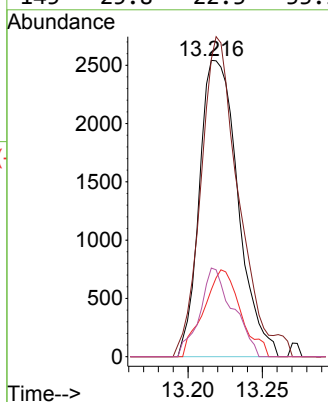
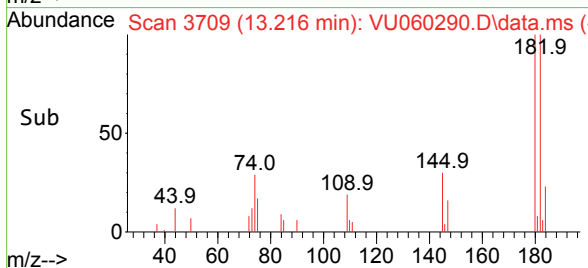
Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2024-05



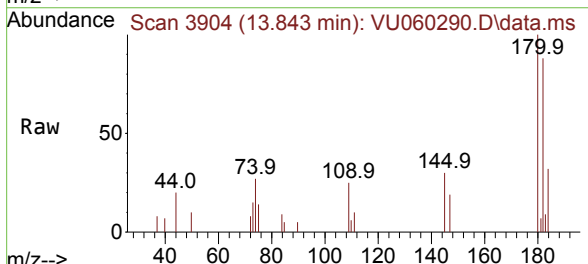
Tgt Ion:180 Resp: 4574
 Ion Ratio Lower Upper
 180 100
 182 103.9 75.8 113.8
 184 28.1 24.7 37.1
 145 25.8 22.3 33.5

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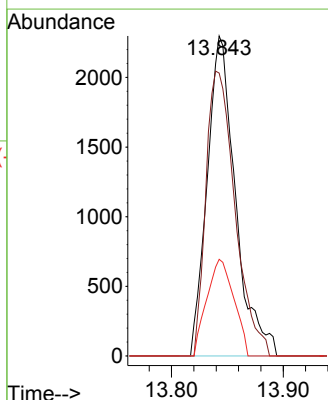
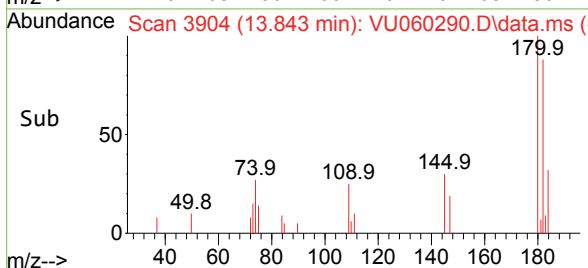
Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

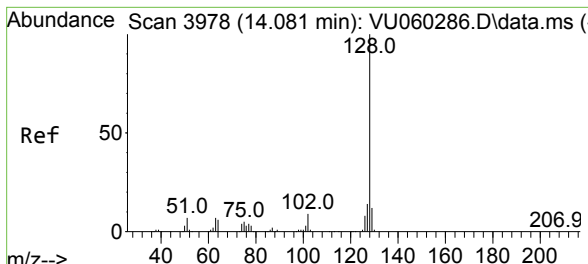


#70
 1,2,4-trichlorobenzene
 Concen: 2.301 ug/L m
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.010 min
 Lab File: VU060290.D
 Acq: 01 Aug 2024 11:15



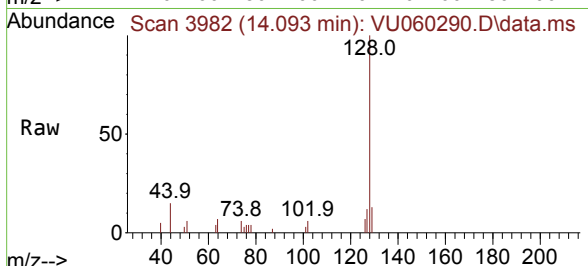
Tgt Ion:180 Resp: 4046
 Ion Ratio Lower Upper
 180 100
 182 91.5 76.4 114.6
 145 28.8 23.0 34.4





#71
Naphthalene
Concen: 2.182 ug/L m
RT: 14.093 min Scan# 3978
Delta R.T. 0.013 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

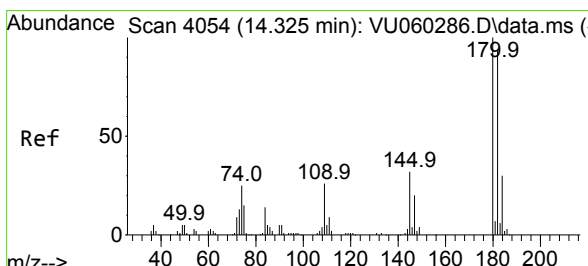
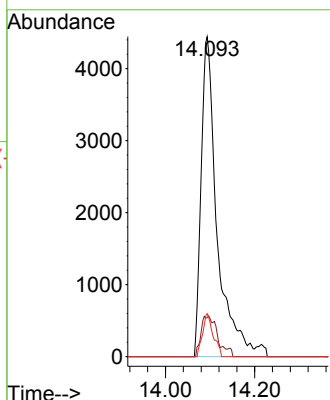
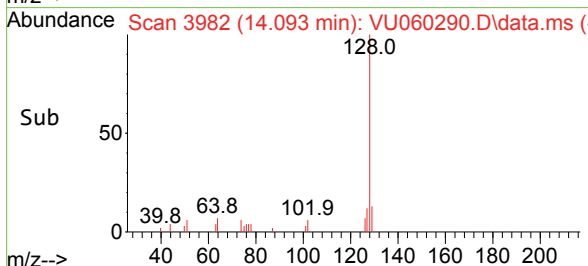
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2024-05



Tgt Ion:128 Resp: 11080
Ion Ratio Lower Upper
128 100
127 4.3 10.4 15.6
129 8.9 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#72
1,2,3-Trichlorobenzene
Concen: 2.257 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU060290.D
Acq: 01 Aug 2024 11:15

Tgt Ion:180 Resp: 3982
Ion Ratio Lower Upper
180 100
182 95.4 75.8 113.8
145 27.9 24.5 36.7

