

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054797.D
 Acq On : 17 Jul 2023 16:56
 Operator : MD/SY
 Sample : 03573-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 18 06:09:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	223932	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	213544	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	115722	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	84310	48.713	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.420%
7) Chloroethane-d5	1.878	69	87090	50.302	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.600%
11) 1,1-Dichloroethene-d2	2.554	63	88081	35.478	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.960%
21) 2-Butanone-d5	4.618	46	115580	103.893	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.890%
24) Chloroform-d	5.055	84	130194	48.324	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.640%
26) 1,2-Dichloroethane-d4	5.695	65	81352	50.425	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.840%
32) Benzene-d6	5.721	84	260755	51.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.520%
36) 1,2-Dichloropropane-d6	6.685	67	89776	52.415	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.820%
41) Toluene-d8	7.894	98	250262	51.631	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.260%
43) trans-1,3-Dichloroprop...	8.177	79	41996	47.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.860%
47) 2-Hexanone-d5	8.630	63	87800	108.443	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.440%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	160905	51.146	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.300%
66) 1,2-Dichlorobenzene-d4	12.190	152	103427	52.011	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.020%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	2767	1.635	ug/L	97
3) Chloromethane	1.521	50	5315	2.754	ug/L	95
5) Vinyl chloride	1.602	62	5969	2.379	ug/L #	70
6) Bromomethane	1.824	94	3873m	2.536	ug/L	
8) Chloroethane	1.901	64	4023	2.317	ug/L	89
9) Trichlorofluoromethane	2.116	101	8552	2.129	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	3477	2.347	ug/L #	61
12) 1,1-Dichloroethene	2.560	96	3699m	2.655	ug/L	
13) Acetone	2.627	43	4275	4.569	ug/L	85
14) Carbon disulfide	2.782	76	6696	1.646	ug/L #	94
15) Methyl Acetate	2.946	43	4370m	2.800	ug/L	
17) trans-1,2-Dichloroethene	3.345	96	3031	2.102	ug/L	94
18) Methyl tert-butyl Ether	3.364	73	10793	2.162	ug/L #	79
19) 1,1-Dichloroethane	3.859	63	6335	2.302	ug/L	94
20) cis-1,2-Dichloroethene	4.656	96	3890	2.269	ug/L	94
22) 2-Butanone	4.717	43	6832m	5.289	ug/L	
23) Bromochloromethane	4.968	128	1045m	1.198	ug/L	
25) Chloroform	5.074	83	8422	2.919	ug/L	96
27) 1,2-Dichloroethane	5.795	62	4490	2.049	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.377	56	4798m	2.043	ug/L		07/18/2023
30) 1,1,1-Trichloroethane	5.312	97	5440	2.295	ug/L #	93	Supervised By :Mahesh Dadoda
31) Carbon tetrachloride	5.521	117	4355	2.128	ug/L #	33	
33) Benzene	5.769	78	13212	2.159	ug/L	100	
34) Trichloroethene	6.534	95	3719	2.388	ug/L	89	
35) Methylcyclohexane	6.759	83	5418	2.129	ug/L #	82	
37) 1,2-Dichloropropane	6.788	63	3931	2.336	ug/L #	92	07/18/2023
38) Bromodichloromethane	7.103	83	5111	2.367	ug/L #	79	
39) cis-1,3-Dichloropropene	7.608	75	5436	1.959	ug/L	96	
40) 4-Methyl-2-pentanone	7.791	43	12393	4.810	ug/L #	97	
42) Toluene	7.968	91	14343	2.095	ug/L	87	
44) trans-1,3-Dichloropropene	8.206	75	5663	2.172	ug/L	97	
45) 1,1,2-Trichloroethane	8.396	97	3578	2.086	ug/L	94	
46) Tetrachloroethene	8.547	164	1834	1.536	ug/L	87	
48) 2-Hexanone	8.685	43	14975	7.016	ug/L #	90	
49) Dibromochloromethane	8.807	129	3303	1.869	ug/L	87	
50) 1,2-Dibromoethane	8.920	107	4080	2.209	ug/L #	96	
51) Chlorobenzene	9.444	112	10117	2.271	ug/L	88	
52) Ethylbenzene	9.569	91	17143	2.166	ug/L	99	
53) m,p-Xylene	9.692	106	5921	1.965	ug/L	93	
54) o-Xylene	10.097	106	6095	1.991	ug/L	96	
55) Styrene	10.113	104	11153	2.092	ug/L	83	
57) 1,1,2,2-Tetrachloroethane	10.778	83	8609	2.542	ug/L #	94	
59) Bromoform	10.290	173	3273	2.261	ug/L #	49	
60) 1,2,3-Trichloropropane	10.820	75	5832	2.583	ug/L #	66	
61) Isopropylbenzene	10.483	105	16488	2.156	ug/L #	88	
62) 1,3,5-Trimethylbenzene	11.087	105	12992	2.063	ug/L	99	
63) 1,2,4-Trimethylbenzene	11.466	105	12245	1.962	ug/L	100	
64) 1,3-Dichlorobenzene	11.746	146	8352	2.355	ug/L	88	
65) 1,4-Dichlorobenzene	11.833	146	9139	2.559	ug/L	93	
67) 1,2-Dichlorobenzene	12.209	146	8964	2.516	ug/L #	85	
68) 1,2-Dibromo-3-chloropr...	12.997	75	1298	2.151	ug/L #	1	
69) 1,3,5-Trichlorobenzene	13.219	180	5482	2.306	ug/L #	90	
71) Naphthalene	14.090	128	15989	2.374	ug/L #	94	
72) 1,2,3-Trichlorobenzene	14.331	180	3805	1.904	ug/L #	70	

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

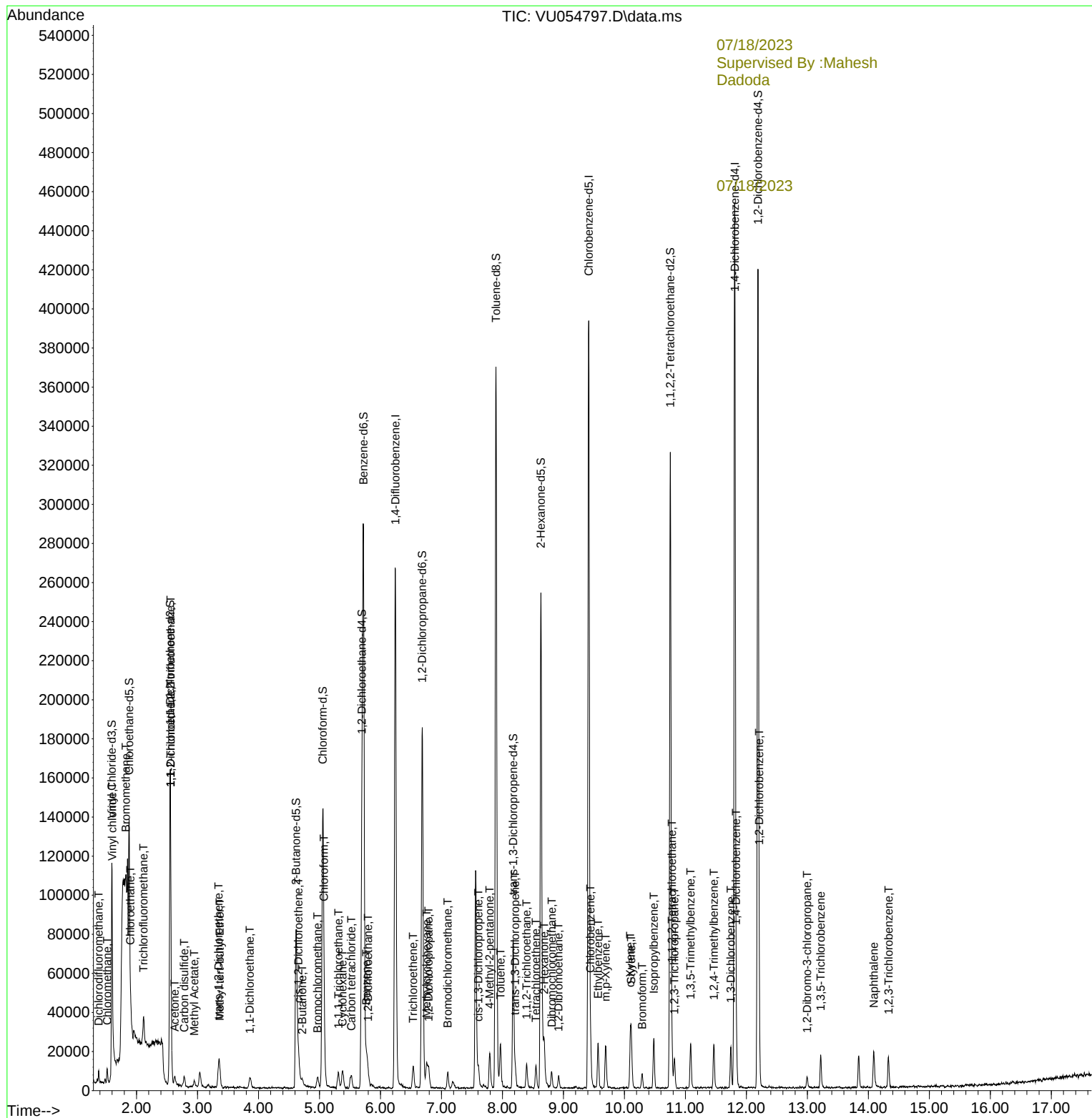
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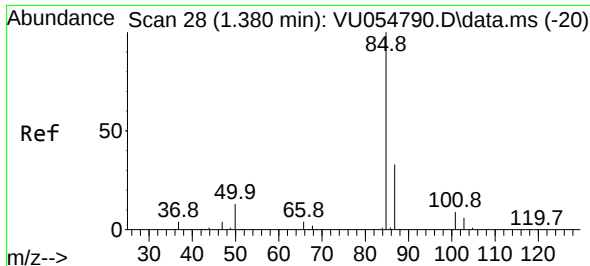
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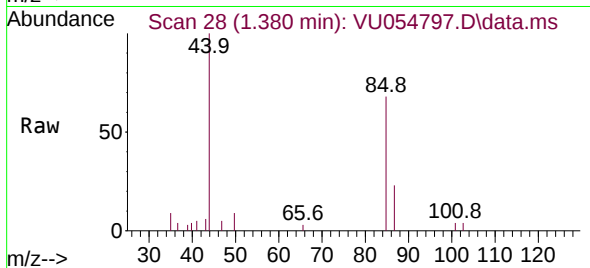
Reviewed By :John
Carlone





#2
Dichlorodifluoromethane
Concen: 1.635 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

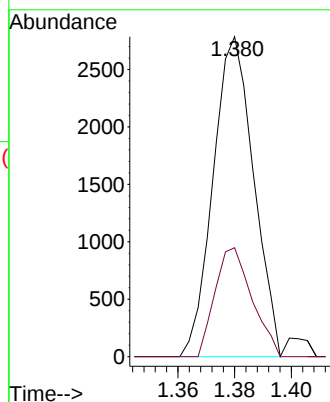
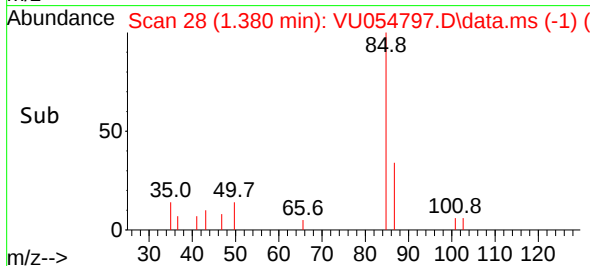
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 85 Resp: 276
Ion Ratio Lower Upper
85 100
87 31.0 26.2 39.2

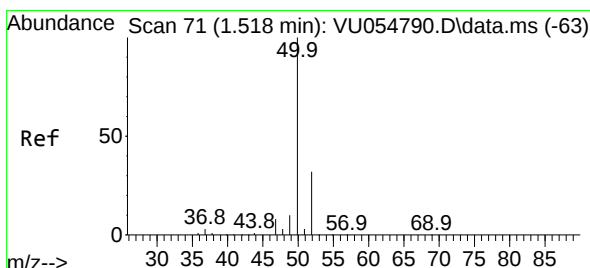
Manual Integrations
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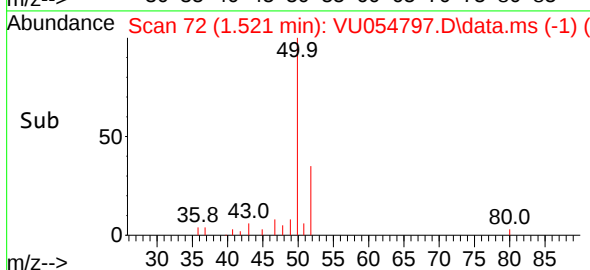
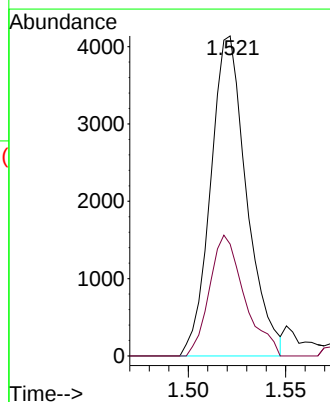
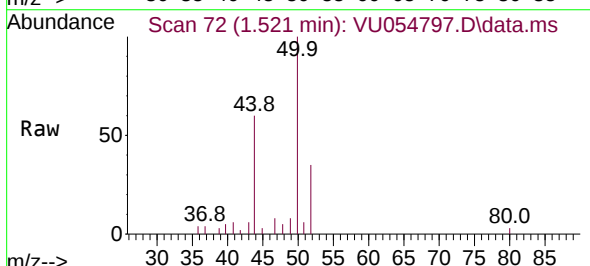
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Supervised By :Mahesh
Dadoda

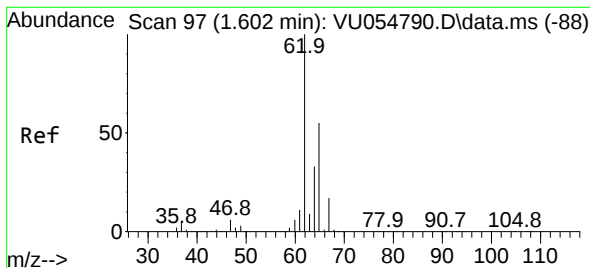
07/18/2023



#3
Chloromethane
Concen: 2.754 ug/L
RT: 1.521 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

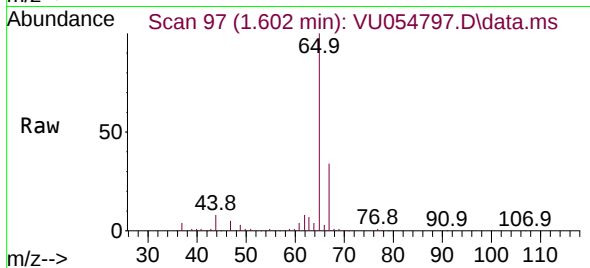
Tgt Ion: 50 Resp: 5315
Ion Ratio Lower Upper
50 100
52 35.0 22.5 41.9





#5
 Vinyl chloride
 Concen: 2.379 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU054797.D
 Acq: 17 Jul 2023 16:56

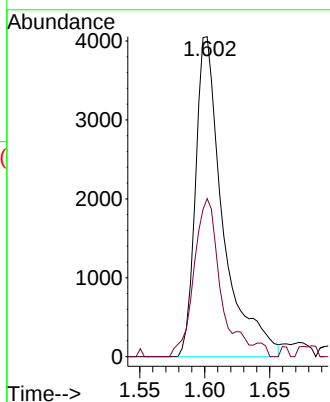
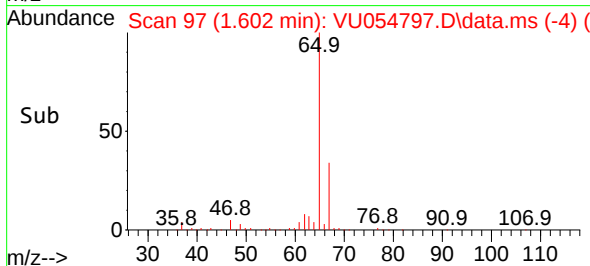
Instrument : MSVOA_U
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Tgt Ion: 62 Resp: 5969
 Ion Ratio Lower Upper
 62 100
 64 49.4 22.9 42.5

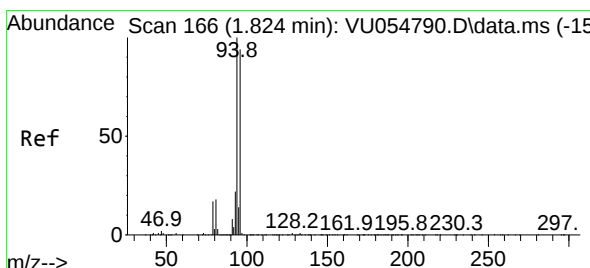
Manual Integrations
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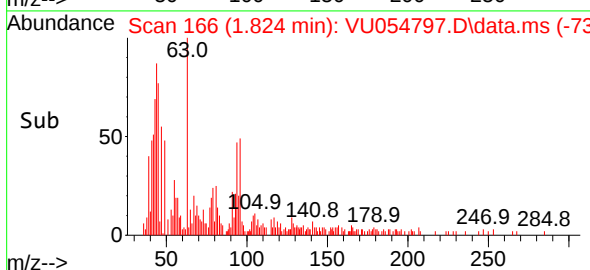
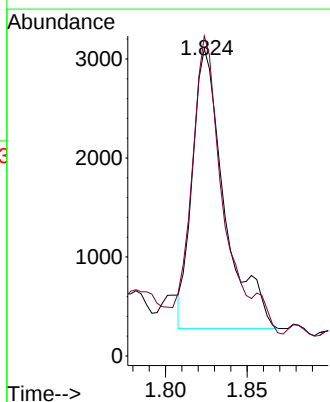
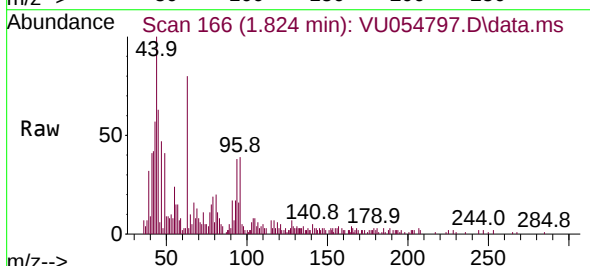
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 Dadoda

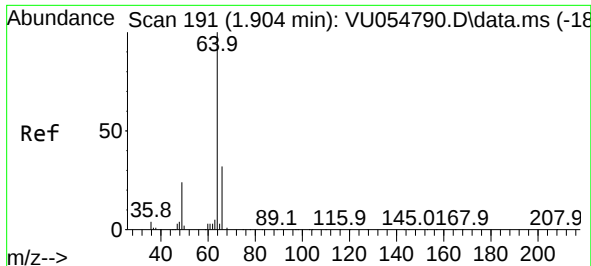
07/18/2023



#6
 Bromomethane
 Concen: 2.536 ug/L m
 RT: 1.824 min Scan# 166
 Delta R.T. -0.000 min
 Lab File: VU054797.D
 Acq: 17 Jul 2023 16:56

Tgt Ion: 94 Resp: 3873
 Ion Ratio Lower Upper
 94 100
 96 104.1 66.1 122.8





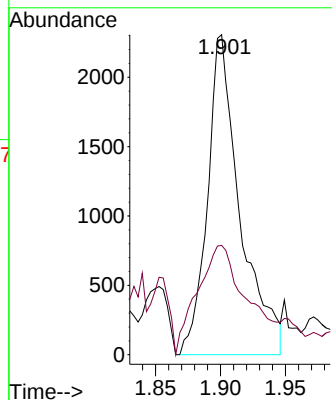
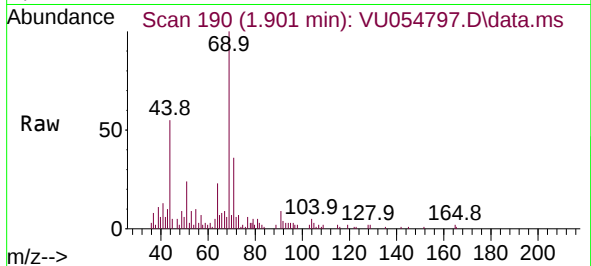
#8
Chloroethane
Concen: 2.317 ug/L
RT: 1.901 min Scan# 191
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 64 Resp: 402
Ion Ratio Lower Upper
64 100
66 26.6 22.8 42.4

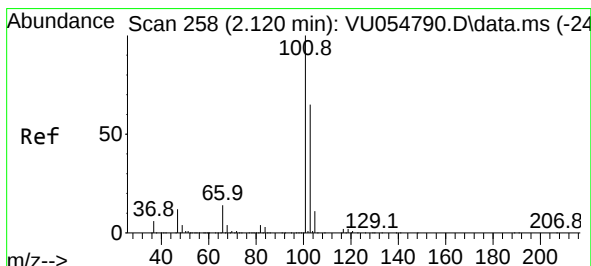
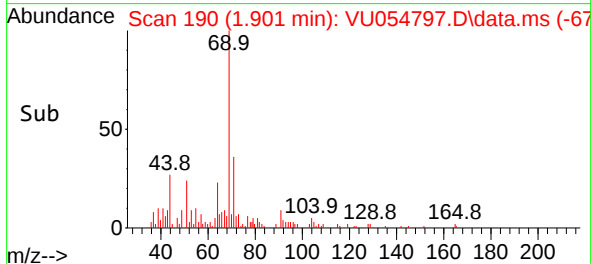
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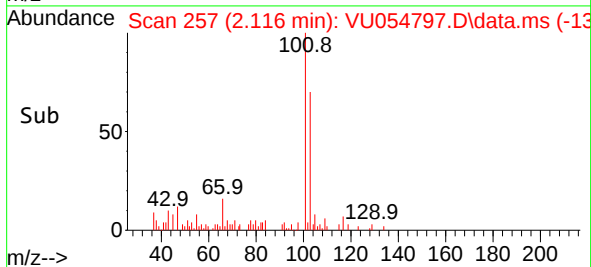
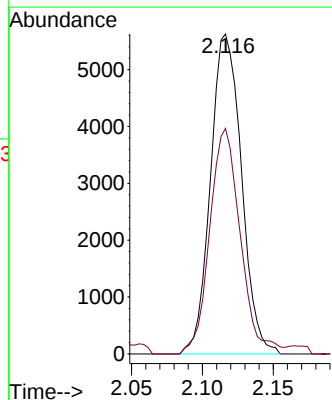
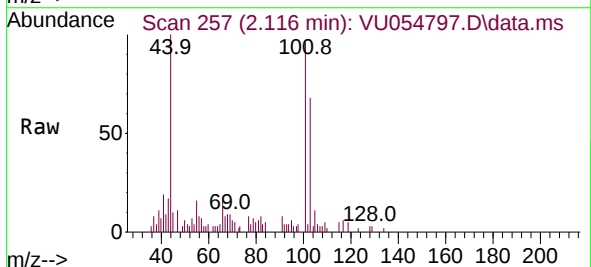
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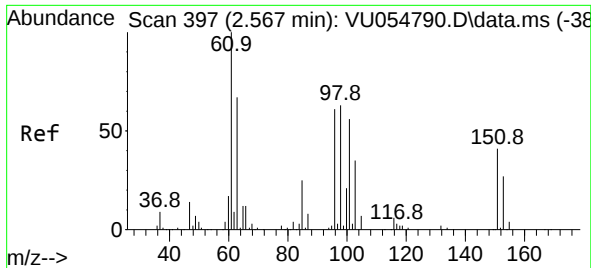
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#9
Trichlorofluoromethane
Concen: 2.129 ug/L
RT: 2.116 min Scan# 257
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:101 Resp: 8552
Ion Ratio Lower Upper
101 100
103 68.3 52.2 78.2





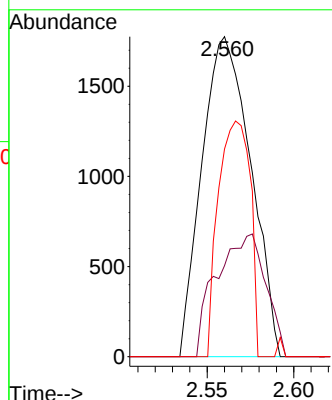
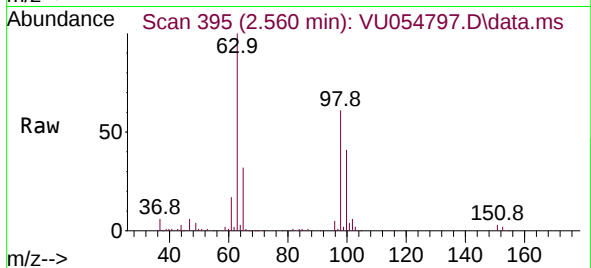
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.347 ug/L
RT: 2.560 min Scan# 395
Delta R.T. -0.007 min
Lab File: VU054797.D
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ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 101 Resp: 347
Ion Ratio Lower Upper
101 100
85 8.7 35.3 52.9
151 48.0 58.2 87.4

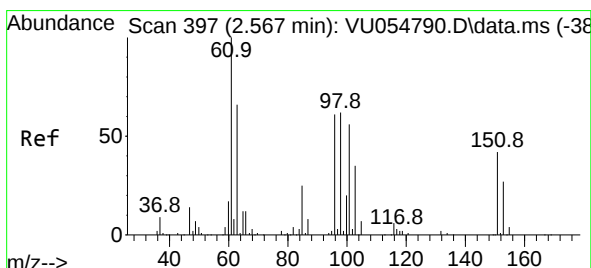
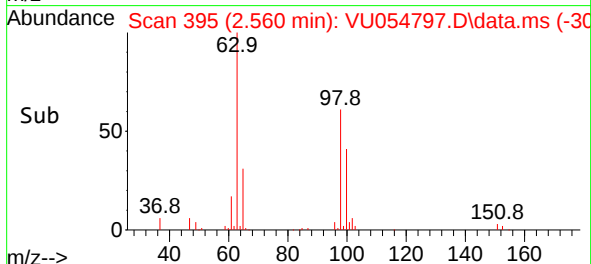
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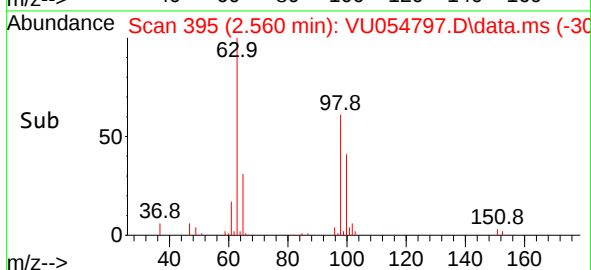
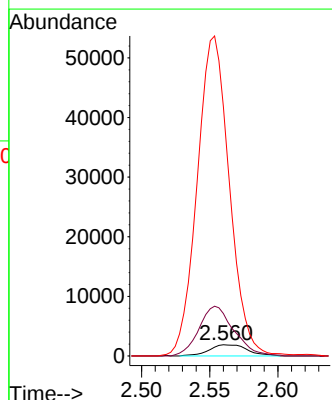
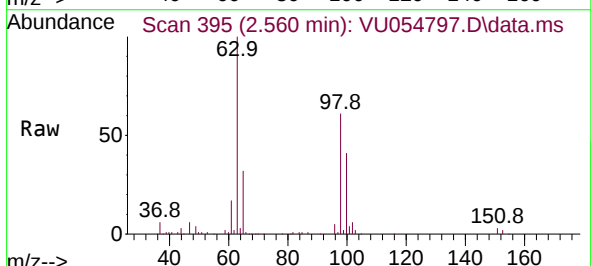
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Supervised By :Mahesh
Dadoda

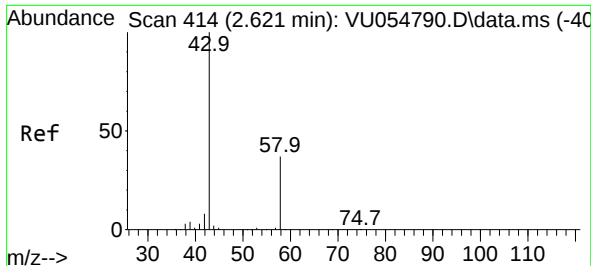
07/18/2023



#12
1,1-Dichloroethene
Concen: 2.655 ug/L m
RT: 2.560 min Scan# 395
Delta R.T. -0.007 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 96 Resp: 3699
Ion Ratio Lower Upper
96 100
61 377.8 115.0 213.6#
63 2218.3 77.6 144.0#





#13

Acetone

Concen: 4.569 ug/L

RT: 2.627 min Scan# 414

Delta R.T. 0.006 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Instrument :

MSVOA_U

ClientSampleId :

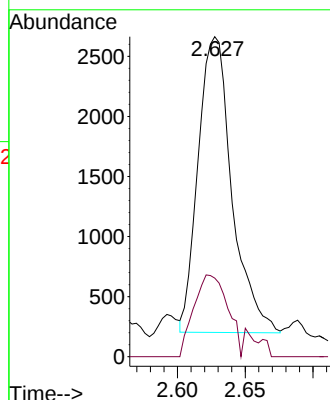
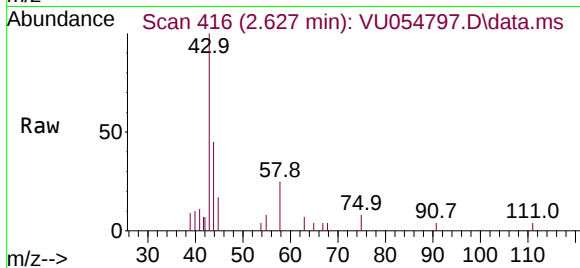
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 4275
 Ion Ratio Lower Upper
 43 100
 58 27.5 0.0 72.4

Manual Integrations

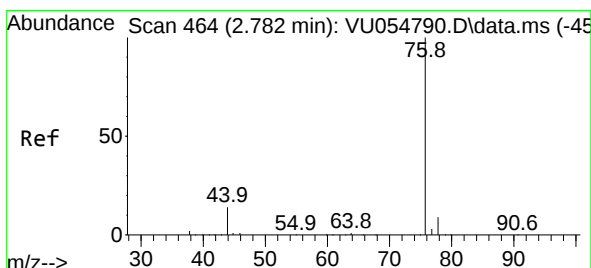
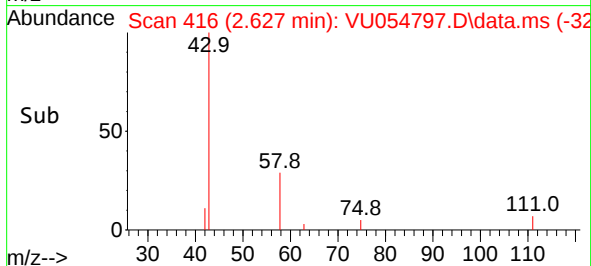
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 Dadoda

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#14

Carbon disulfide

Concen: 1.646 ug/L

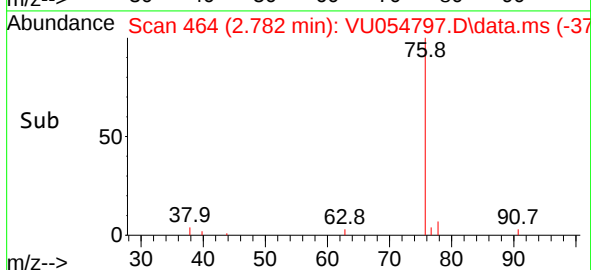
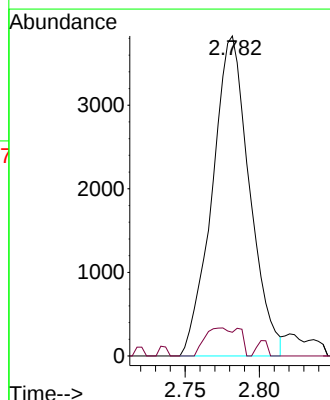
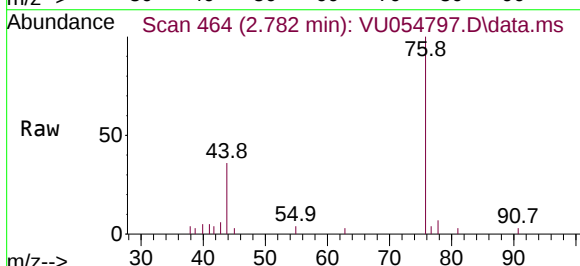
RT: 2.782 min Scan# 464

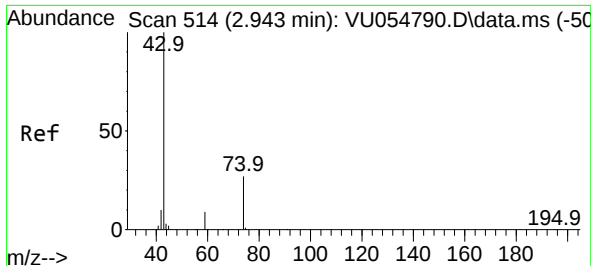
Delta R.T. -0.000 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

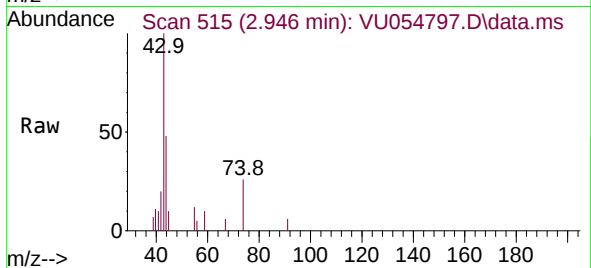
Tgt Ion: 76 Resp: 6696
 Ion Ratio Lower Upper
 76 100
 78 7.1 7.4 11.0#





#15
Methyl Acetate
Concen: 2.800 ug/L m
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

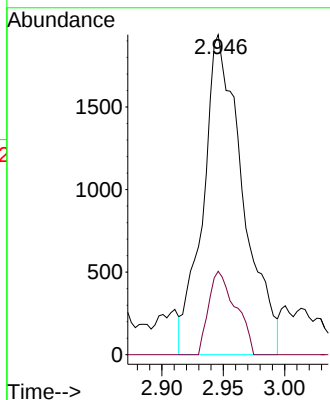
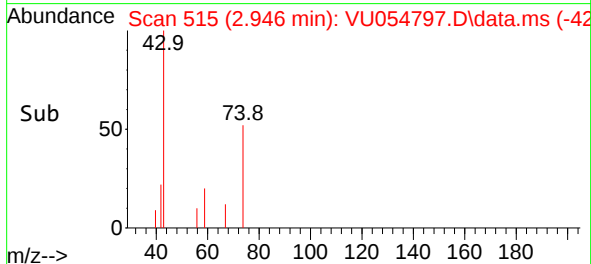
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 43 Resp: 4370
Ion Ratio Lower Upper
43 100
74 17.7 21.8 32.8

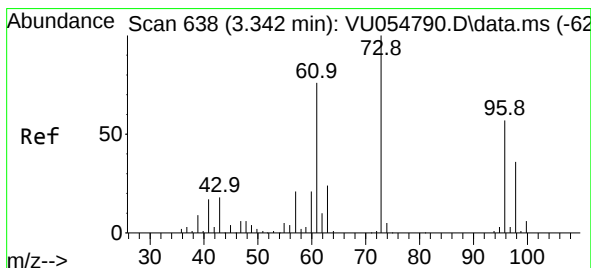
Manual Integrations
APPROVED

Reviewed By :John
Carlone



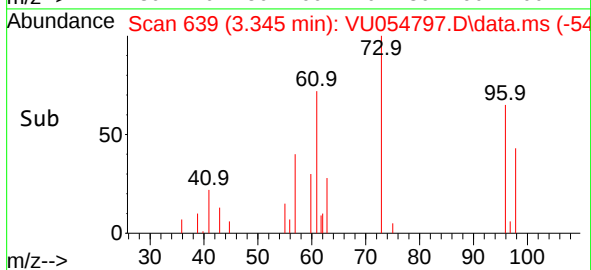
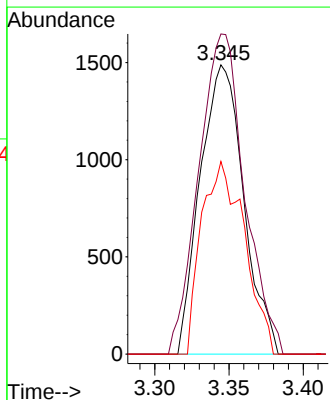
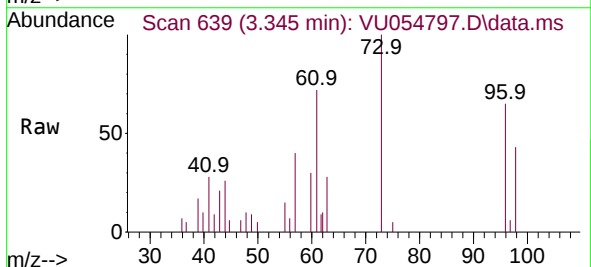
07/18/2023
Supervised By :Mahesh
Dadoda

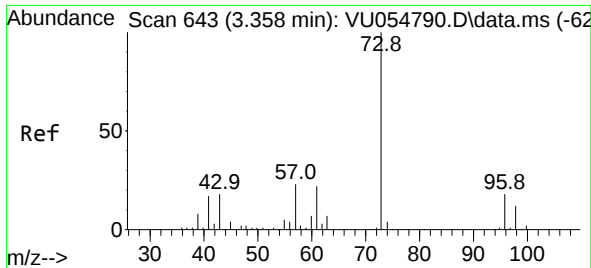
07/18/2023



#17
trans-1,2-Dichloroethene
Concen: 2.102 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

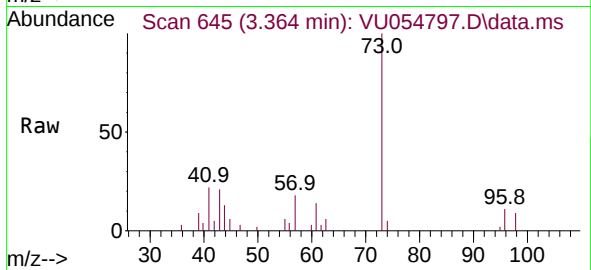
Tgt Ion: 96 Resp: 3031
Ion Ratio Lower Upper
96 100
61 125.3 93.2 173.2
98 66.6 44.7 82.9





#18
Methyl tert-butyl Ether
Concen: 2.162 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

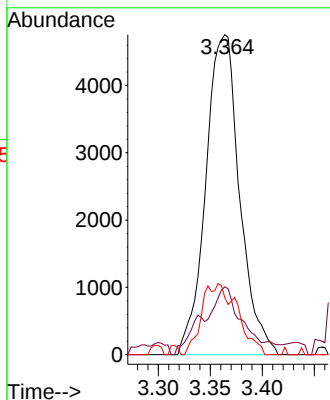
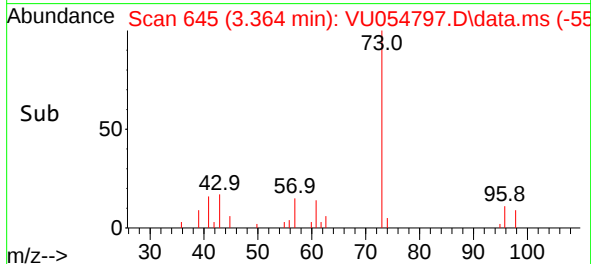
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 73 Resp: 1079
Ion Ratio Lower Upper
73 100
43 13.4 14.3 21.5
57 7.5 17.4 26.0

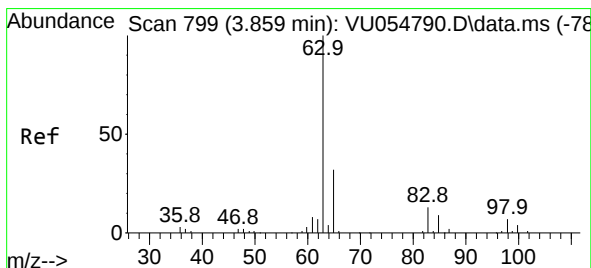
Manual Integrations
APPROVED

Reviewed By :John
Carlone



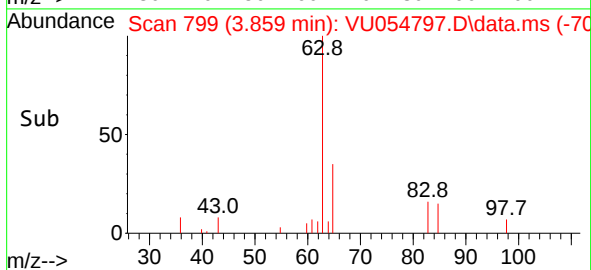
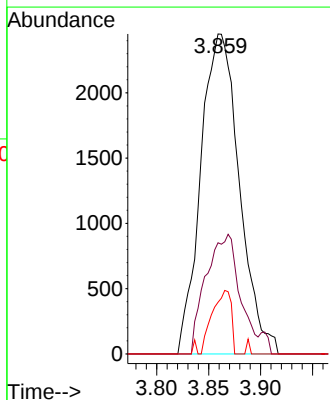
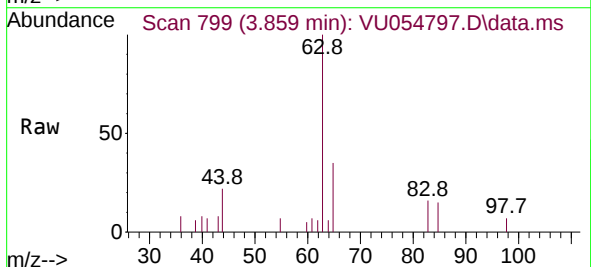
07/18/2023
Supervised By :Mahesh
Dadoda

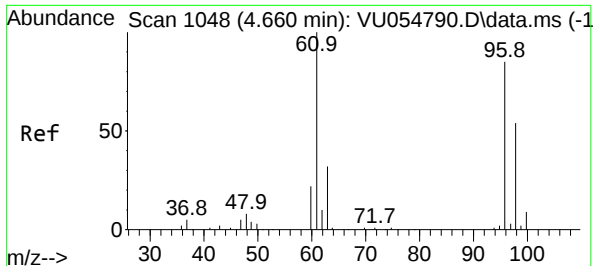
07/18/2023



#19
1,1-Dichloroethane
Concen: 2.302 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

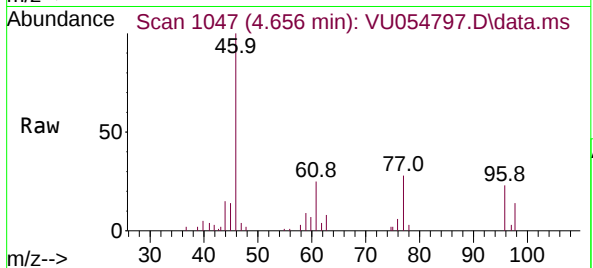
Tgt Ion: 63 Resp: 6335
Ion Ratio Lower Upper
63 100
65 34.8 22.1 41.1
83 16.1 9.4 17.4





#20
cis-1,2-Dichloroethene
Concen: 2.269 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

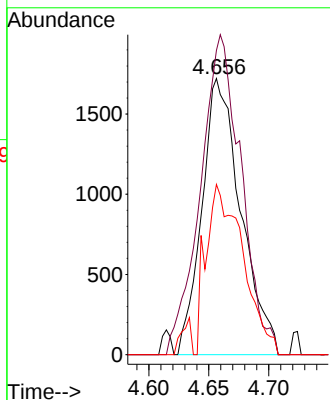
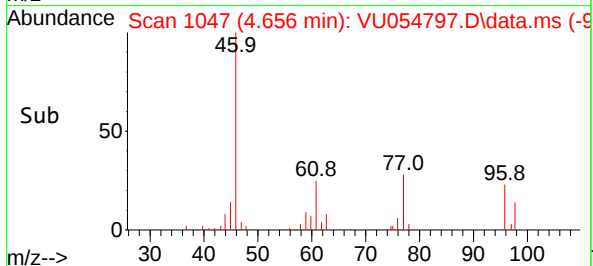
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 96 Resp: 3890
Ion Ratio Lower Upper
96 100
61 110.2 82.7 153.7
98 61.6 44.4 82.5

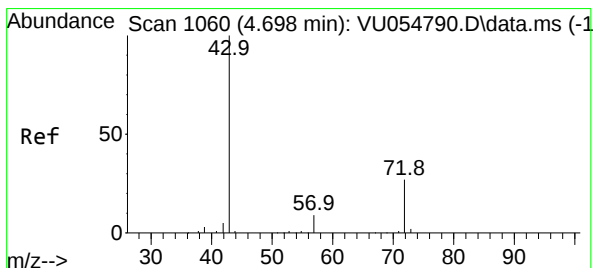
Manual Integrations
APPROVED

Reviewed By :John
Carlone



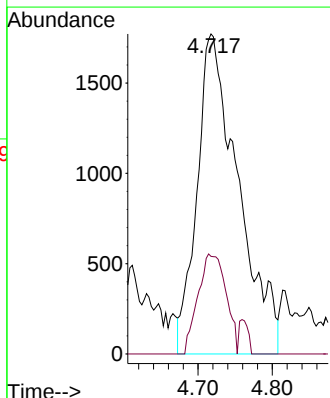
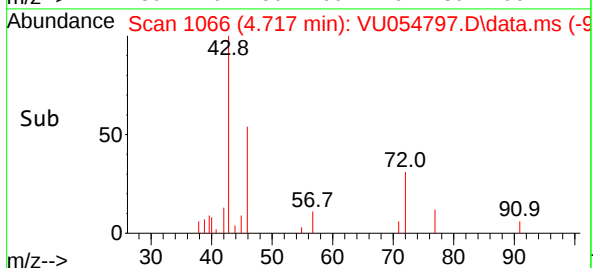
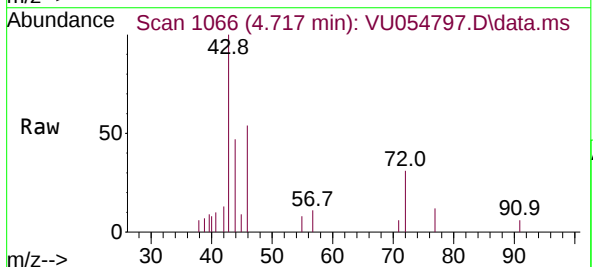
07/18/2023
Supervised By :Mahesh
Dadoda

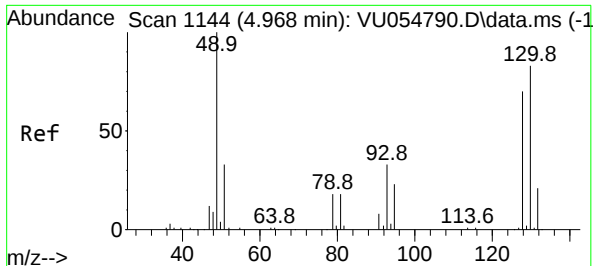
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#22
2-Butanone
Concen: 5.289 ug/L m
RT: 4.717 min Scan# 1066
Delta R.T. 0.019 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

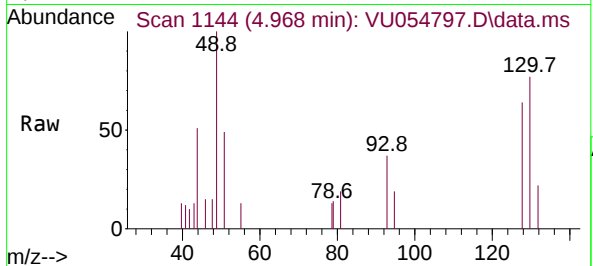
Tgt Ion: 43 Resp: 6832
Ion Ratio Lower Upper
43 100
72 12.1 15.2 45.6#





#23
Bromochloromethane
Concen: 1.198 ug/L m
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

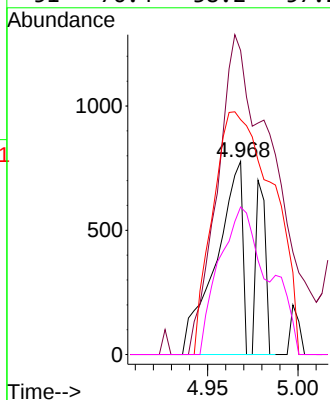
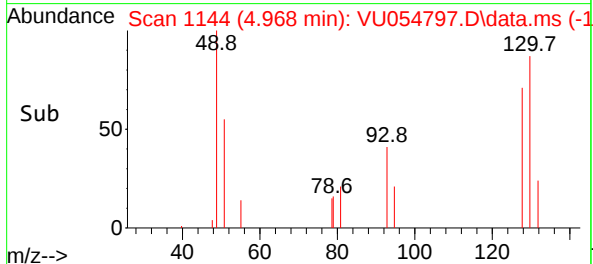
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion:128 Resp: 1049
Ion Ratio Lower Upper
128 100
49 157.4 100.6 186.8
130 121.6 83.0 154.1
51 76.4 38.2 57.2#

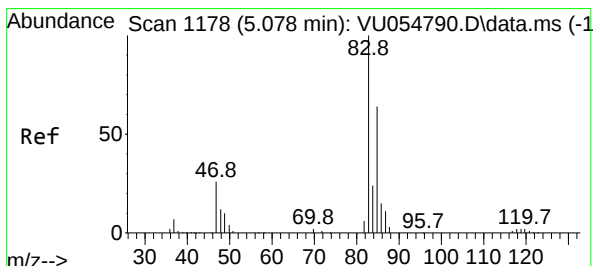
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Reviewed By :John
Carlone



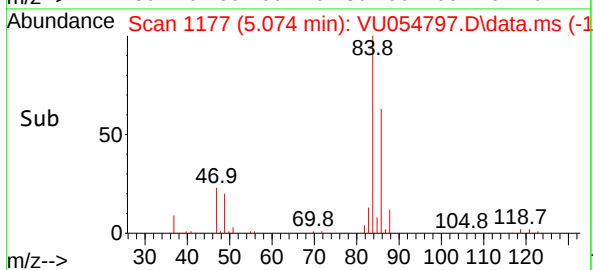
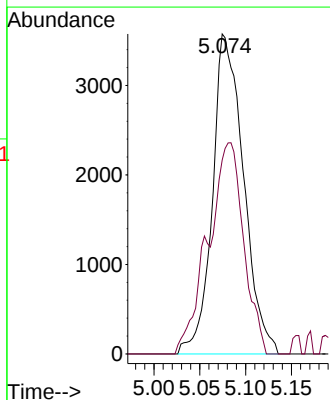
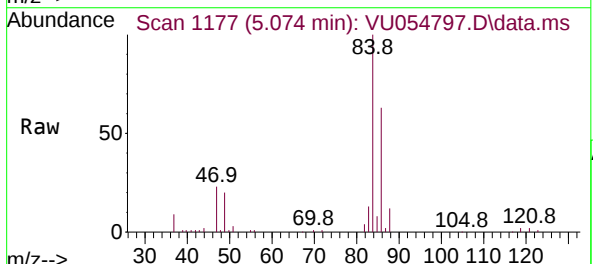
07/18/2023
Supervised By :Mahesh
Dadoda

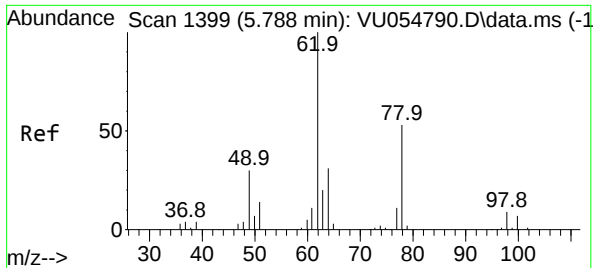
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#25
Chloroform
Concen: 2.919 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 83 Resp: 8422
Ion Ratio Lower Upper
83 100
85 60.6 44.7 82.9





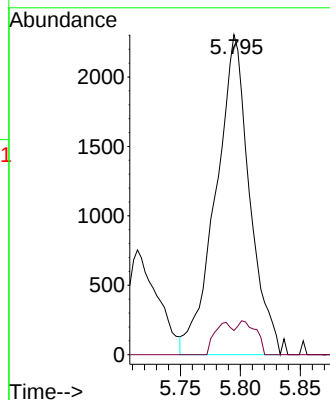
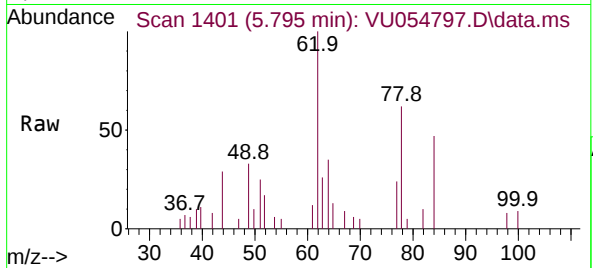
#27
1,2-Dichloroethane
Concen: 2.049 ug/L
RT: 5.795 min Scan# 1401
Delta R.T. 0.007 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 62 Resp: 4490
Ion Ratio Lower Upper
62 100
98 7.5 7.5 11.3

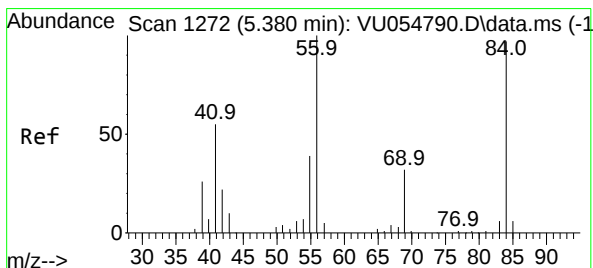
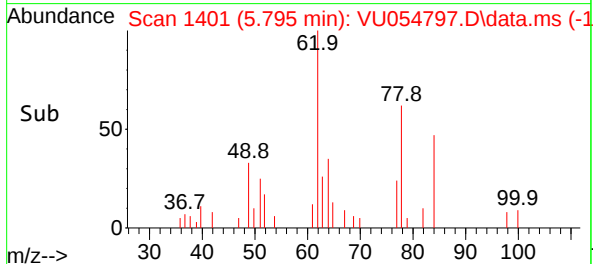
Manual Integrations
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Reviewed By :John
Carlone



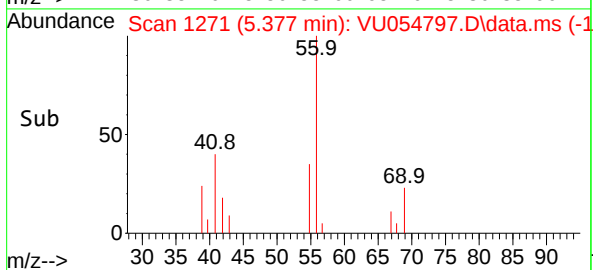
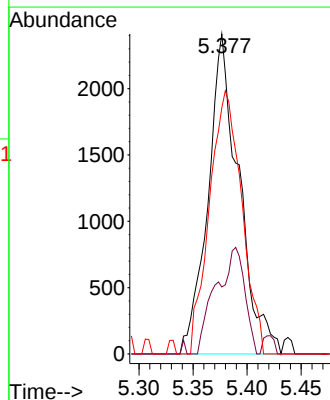
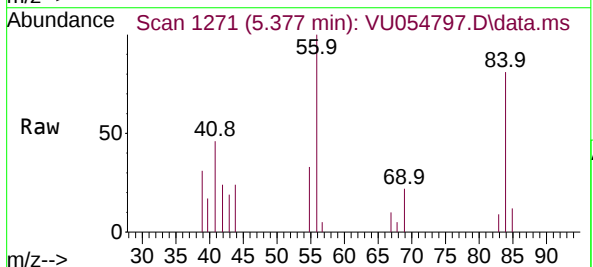
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Supervised By :Mahesh
Dadoda

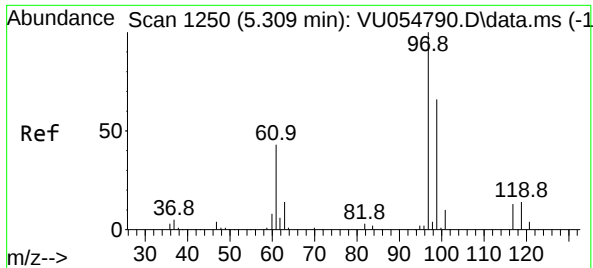
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#29
Cyclohexane
Concen: 2.043 ug/L m
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 56 Resp: 4798
Ion Ratio Lower Upper
56 100
69 11.5 25.8 38.8#
84 85.6 75.9 113.9





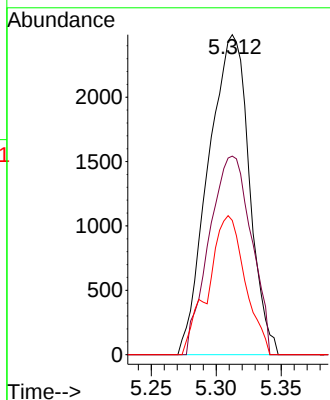
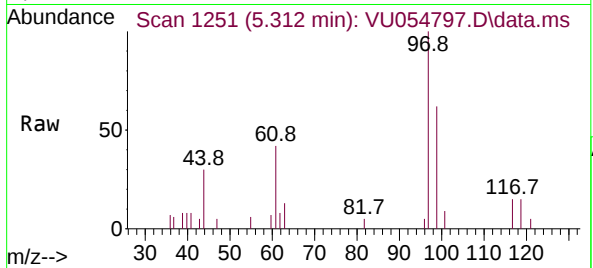
#30
1,1,1-Trichloroethane
Concen: 2.295 ug/L
RT: 5.312 min Scan# 111
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 97 Resp: 5440
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 32.5 34.3 51.5

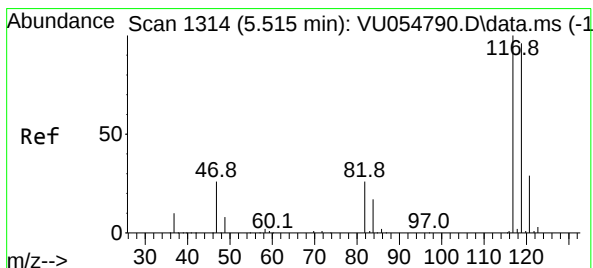
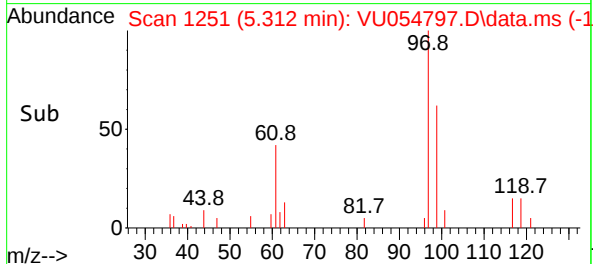
Manual Integrations
APPROVED

Reviewed By :John
Carlone



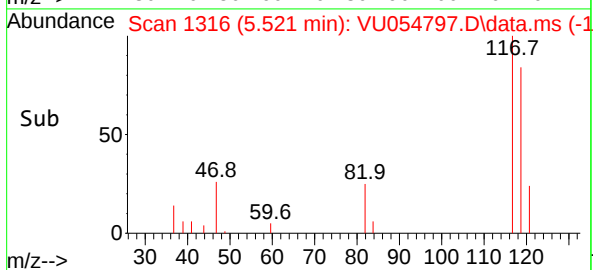
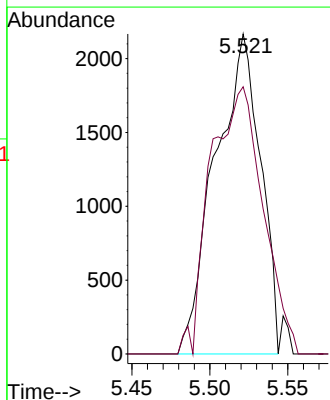
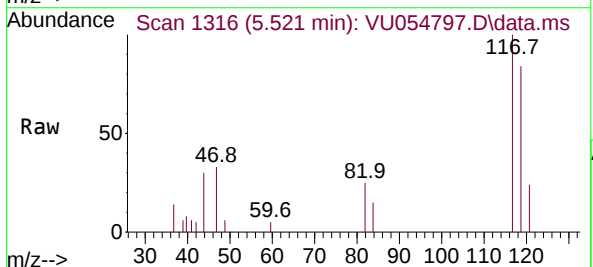
07/18/2023
Supervised By :Mahesh
Dadoda

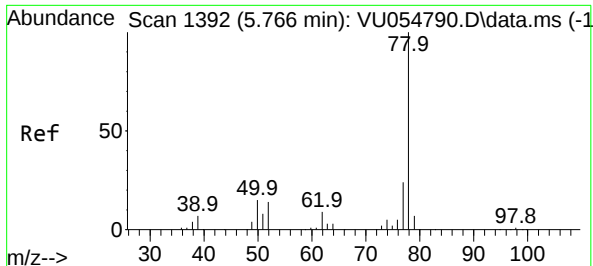
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#31
Carbon tetrachloride
Concen: 2.128 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:117 Resp: 4355
Ion Ratio Lower Upper
117 100
119 31.3 77.4 116.2#





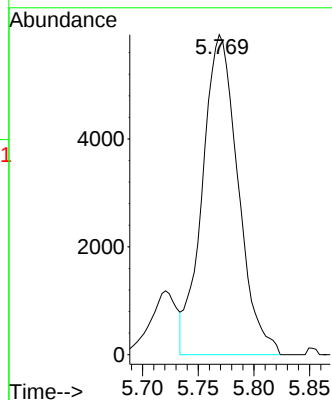
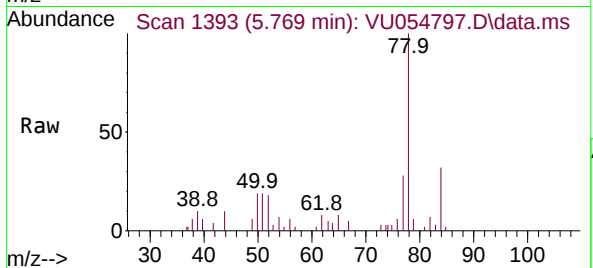
#33
Benzene
Concen: 2.159 ug/L
RT: 5.769 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 78 Resp: 1321

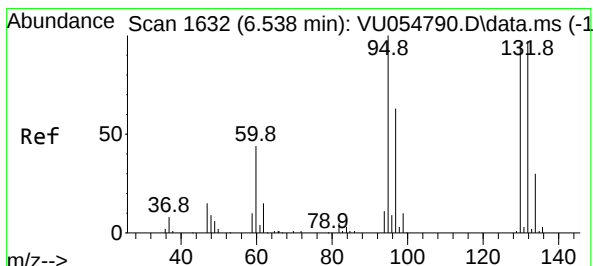
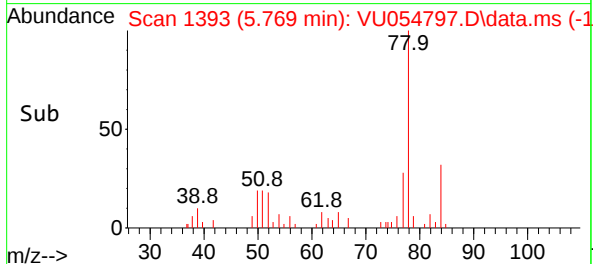
Manual Integrations
APPROVED

Reviewed By :John
Carlone



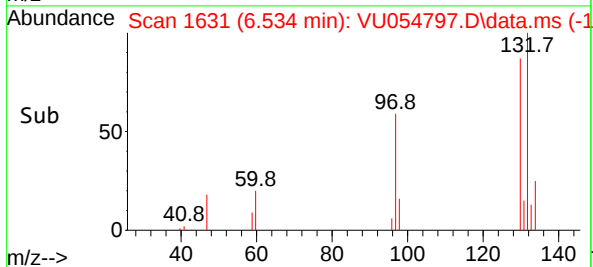
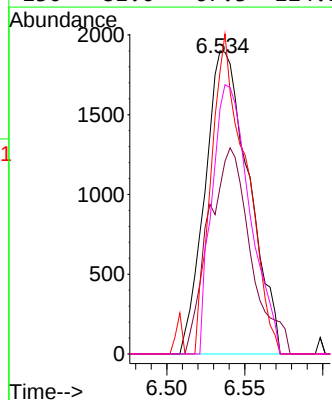
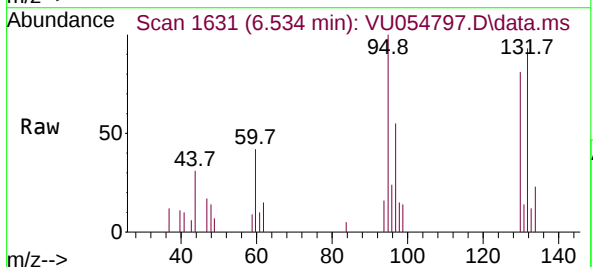
07/18/2023
Supervised By :Mahesh
Dadoda

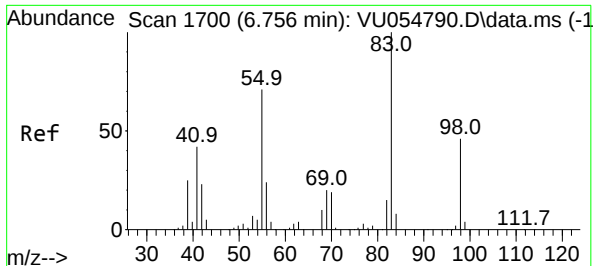
07/18/2023



#34
Trichloroethene
Concen: 2.388 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 95 Resp: 3719
Ion Ratio Lower Upper
95 100
97 55.0 44.0 81.8
132 104.9 67.9 126.1
130 81.0 67.3 124.9





#35

Methylcyclohexane

Concen: 2.129 ug/L

RT: 6.759 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Instrument :

MSVOA_U

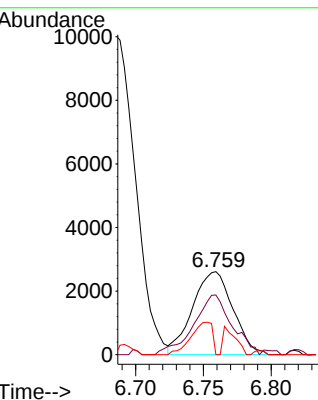
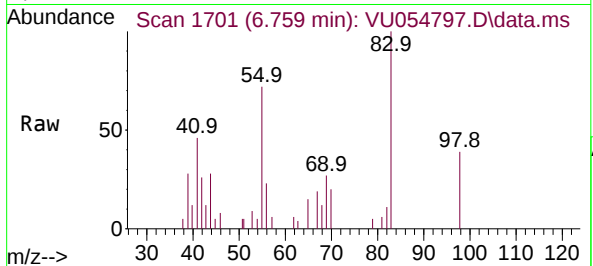
ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 83	Resp: 5418
Ion Ratio	Lower Upper
83 100	
55 67.5	55.8 83.8
98 20.7	38.6 58.0

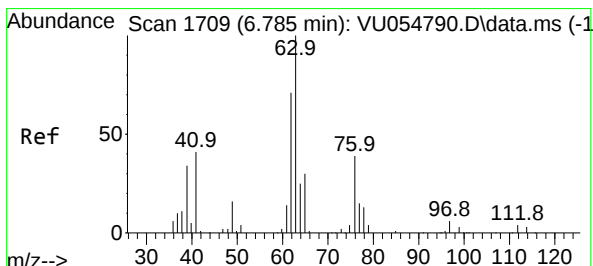
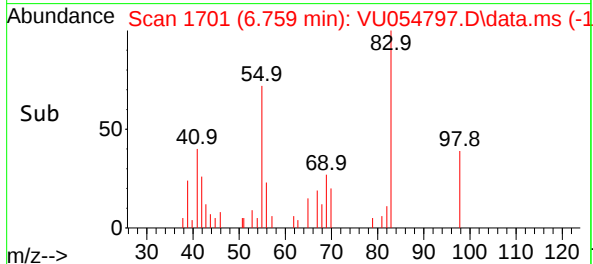
Manual Integrations
APPROVED

Reviewed By :John
Carlone



07/18/2023
Supervised By :Mahesh
Dadoda

07/18/2023



#37

1,2-Dichloropropane

Concen: 2.336 ug/L

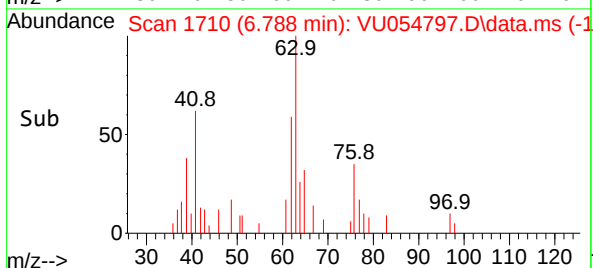
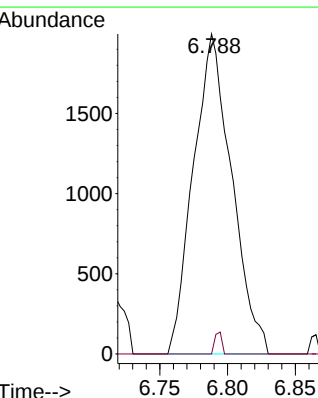
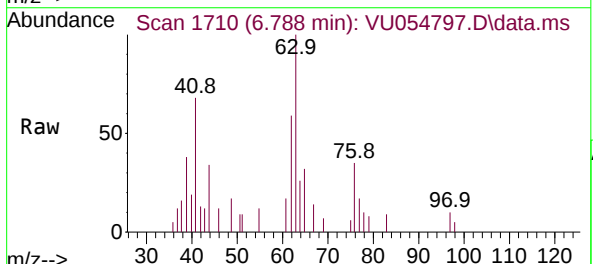
RT: 6.788 min Scan# 1710

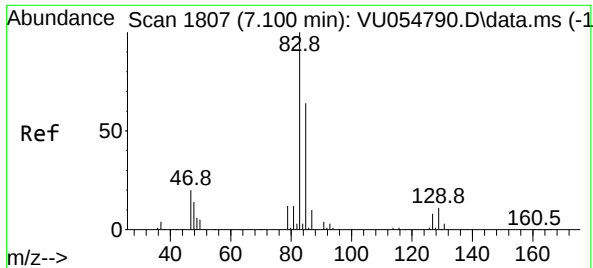
Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Tgt Ion: 63	Resp: 3931
Ion Ratio	Lower Upper
63 100	
112 1.3	3.1 4.7#





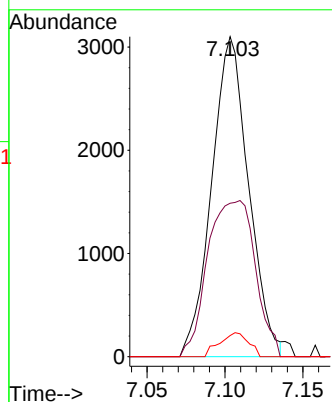
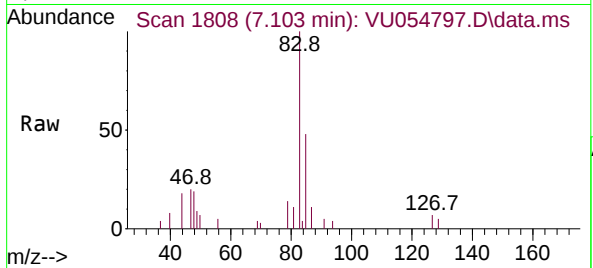
#38
Bromodichloromethane
Concen: 2.367 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 511
Ion Ratio Lower Upper
83 100
85 45.9 44.9 83.3
127 6.3 7.2 10.8

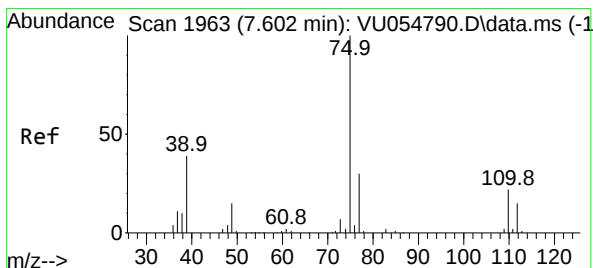
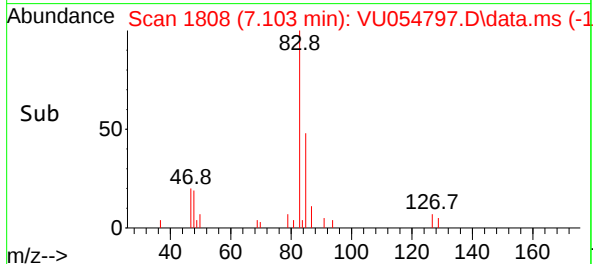
Manual Integrations
APPROVED

Reviewed By :John
Carlone



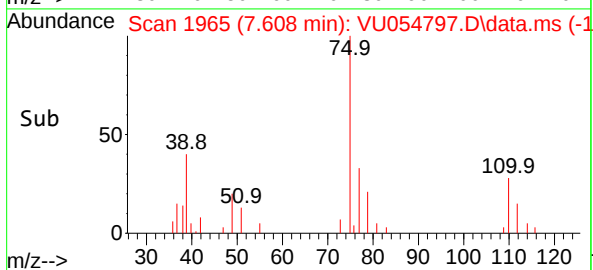
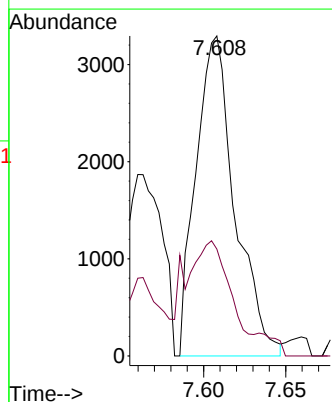
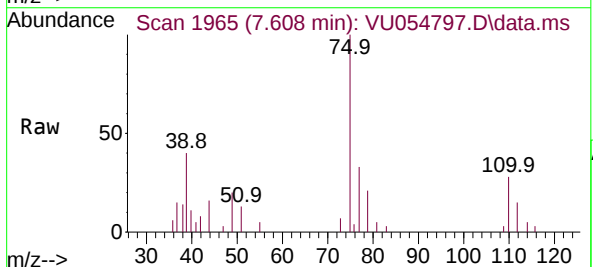
07/18/2023
Supervised By :Mahesh
Dadoda

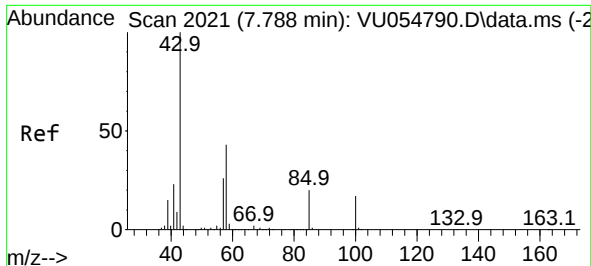
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#39
cis-1,3-Dichloropropene
Concen: 1.959 ug/L
RT: 7.608 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 75 Resp: 5436
Ion Ratio Lower Upper
75 100
77 32.2 21.1 39.1





#40

4-Methyl-2-pentanone

Concen: 4.810 ug/L

RT: 7.791 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Instrument :

MSVOA_U

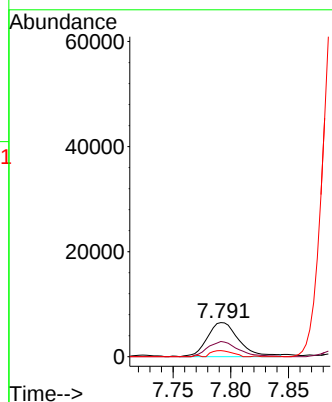
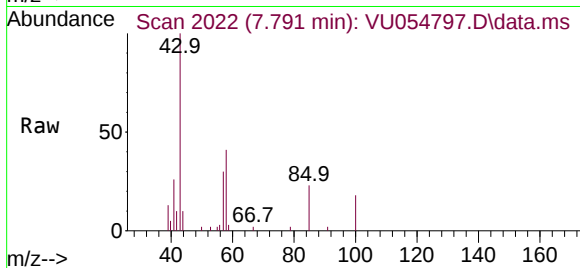
ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:	43	Resp:	1239
Ion Ratio	Lower	Upper	
43	100		
58	42.5	33.7	50.5
100	11.9	13.0	19.4

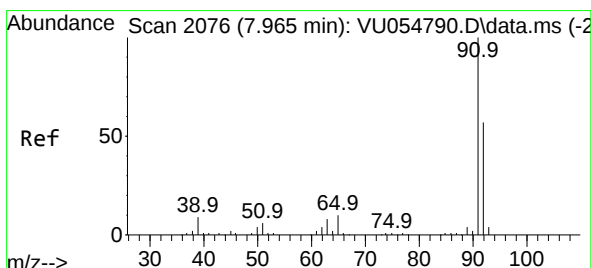
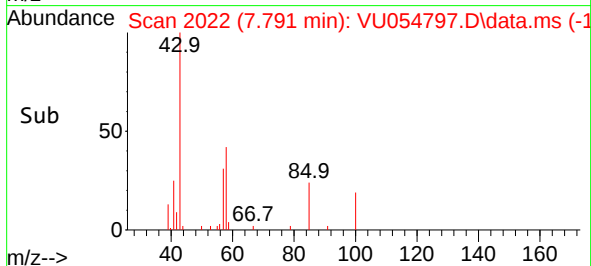
Manual Integrations
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Reviewed By :John
Carlone



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Supervised By :Mahesh
Dadoda

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#42

Toluene

Concen: 2.095 ug/L

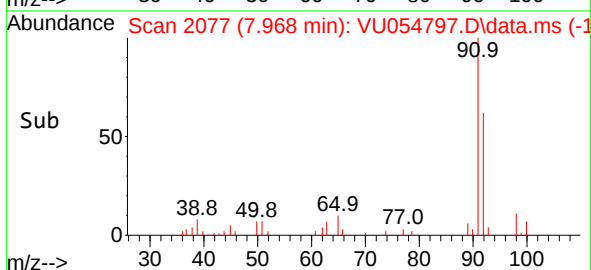
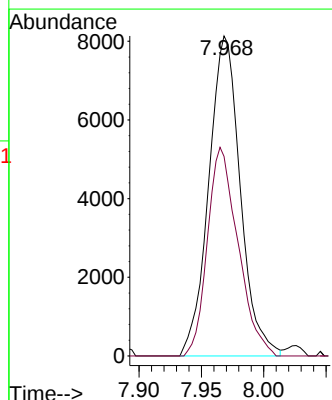
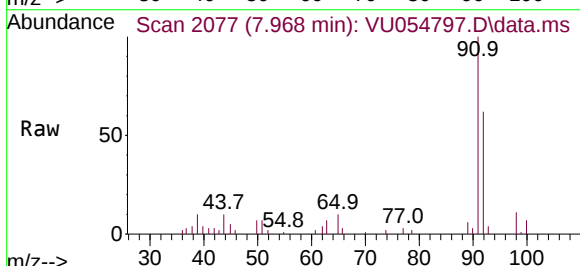
RT: 7.968 min Scan# 2077

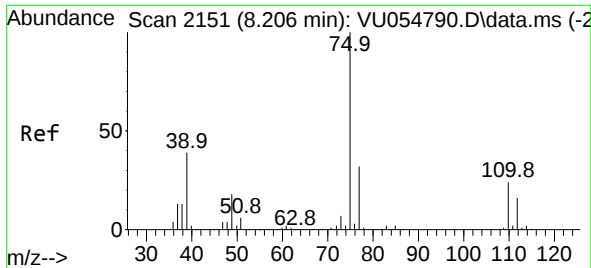
Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

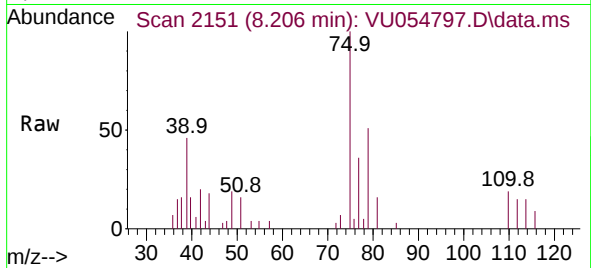
Tgt Ion:	91	Resp:	14343
Ion Ratio	Lower	Upper	
91	100		
92	66.6	40.1	74.5





#44
trans-1,3-Dichloropropene
Concen: 2.172 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

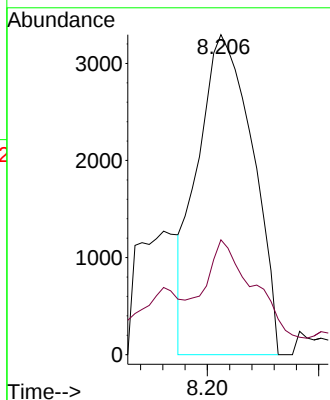
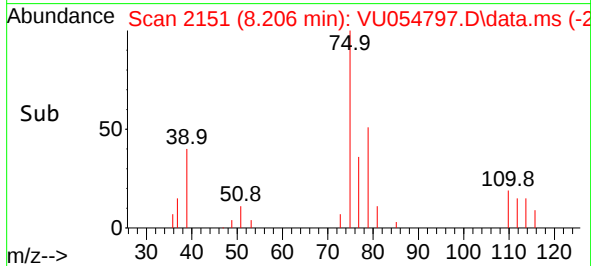
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 75 Resp: 566
Ion Ratio Lower Upper
75 100
77 34.3 22.7 42.1

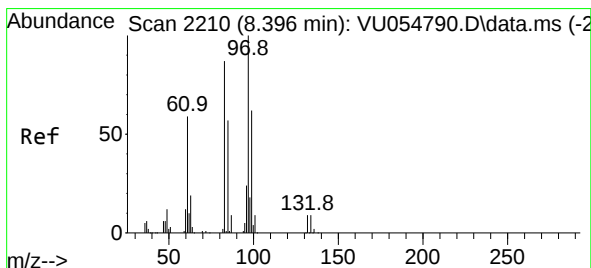
Manual Integrations
APPROVED

Reviewed By :John
Carlone



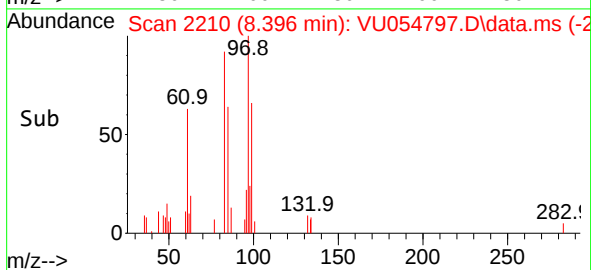
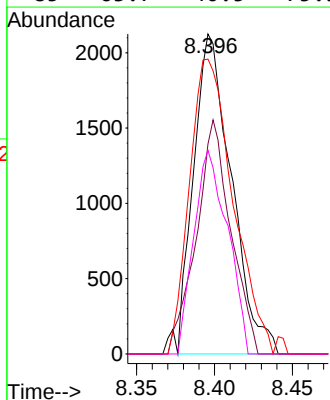
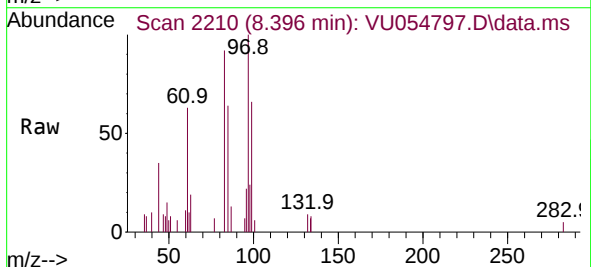
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Supervised By :Mahesh
Dadoda

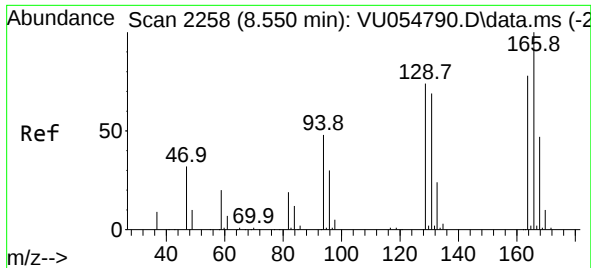
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#45
1,1,2-Trichloroethane
Concen: 2.086 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

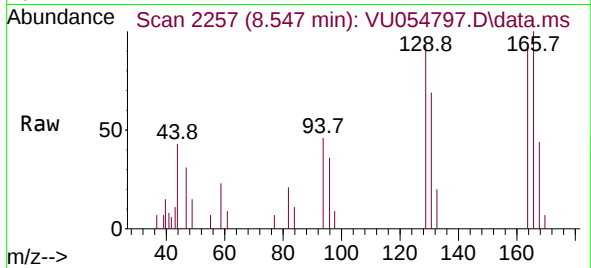
Tgt Ion: 97 Resp: 3578
Ion Ratio Lower Upper
97 100
99 65.6 43.3 80.5
83 92.1 60.6 112.6
85 63.7 40.5 75.3





#46
Tetrachloroethene
Concen: 1.536 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

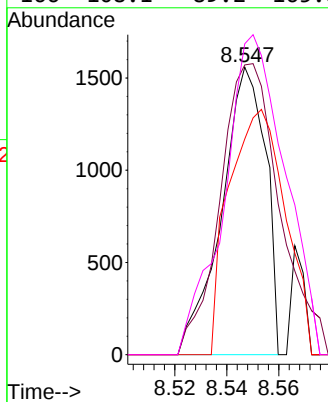
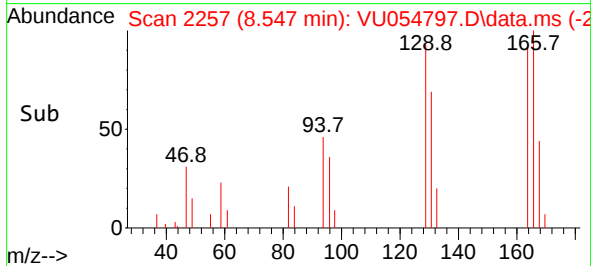
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion:164 Resp: 1834
Ion Ratio Lower Upper
164 100
129 100.8 66.2 123.0
131 75.0 61.9 115.1
166 108.1 89.2 165.8

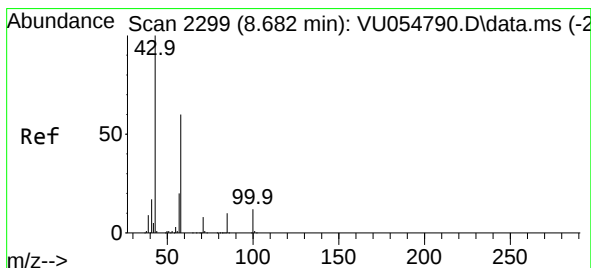
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Reviewed By :John
Carlone

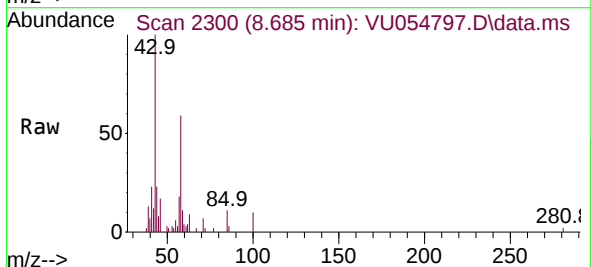


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Supervised By :Mahesh
Dadoda

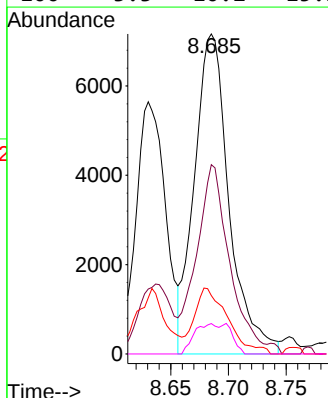
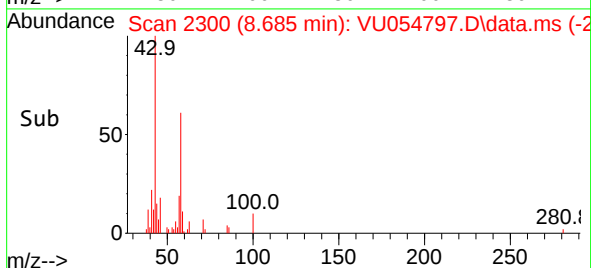
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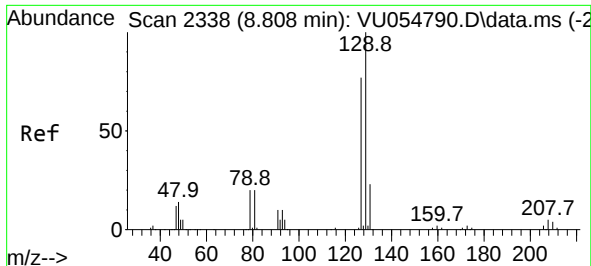


#48
2-Hexanone
Concen: 7.016 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56



Tgt Ion: 43 Resp: 14975
Ion Ratio Lower Upper
43 100
58 51.8 46.5 69.7
57 16.8 15.4 23.2
100 3.3 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.869 ug/L

RT: 8.807 min Scan# 2338

Delta R.T. -0.000 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:129 Resp: 330

Ion Ratio Lower Upper

129 100

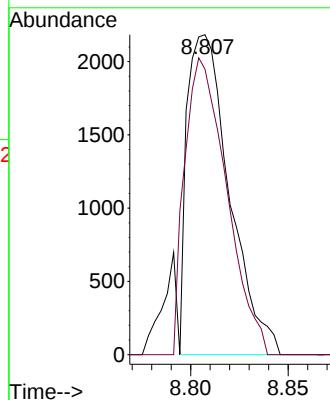
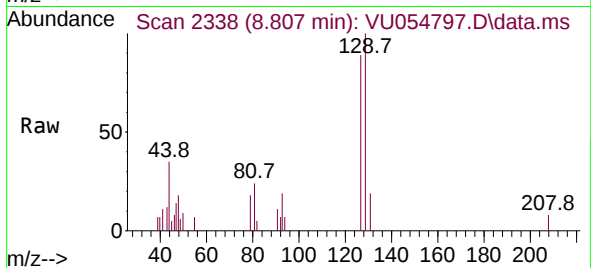
127 89.2 54.4 101.0

Manual Integrations

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Reviewed By :John

Carlone

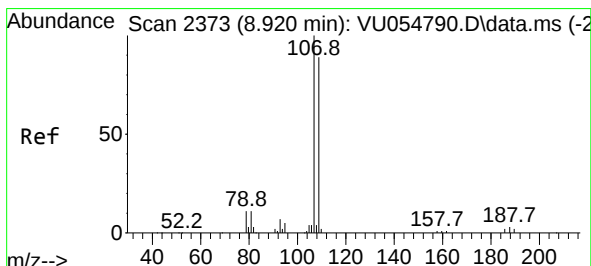
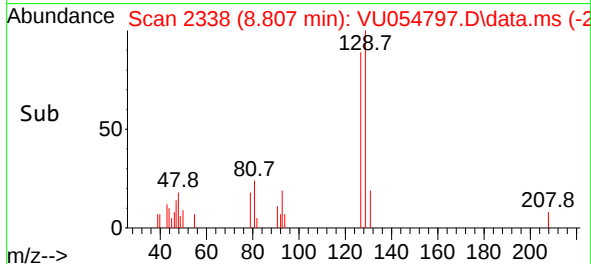


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#50

1,2-Dibromoethane

Concen: 2.209 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. -0.000 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

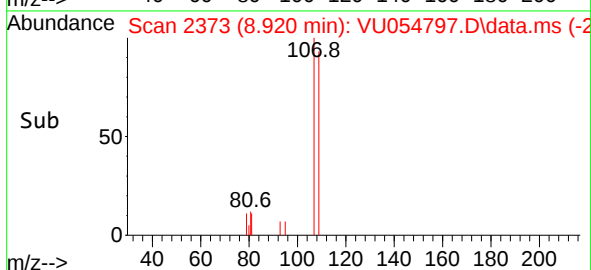
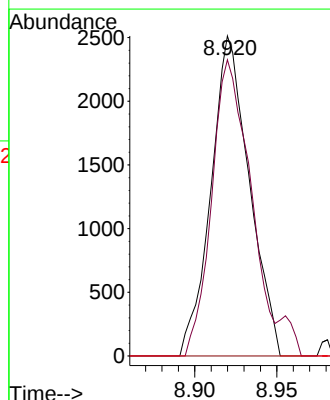
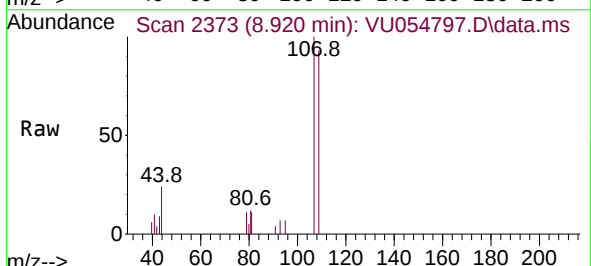
Tgt Ion:107 Resp: 4080

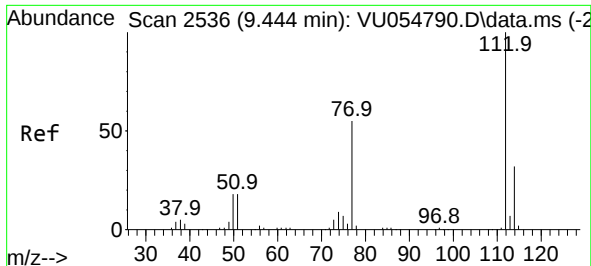
Ion Ratio Lower Upper

107 100

109 92.6 62.5 116.1

188 0.0 2.6 4.0





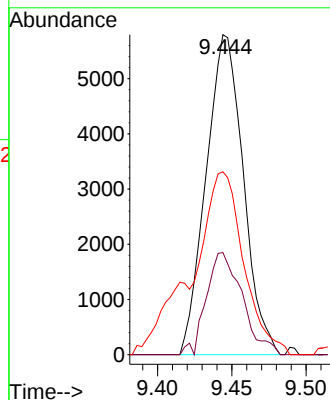
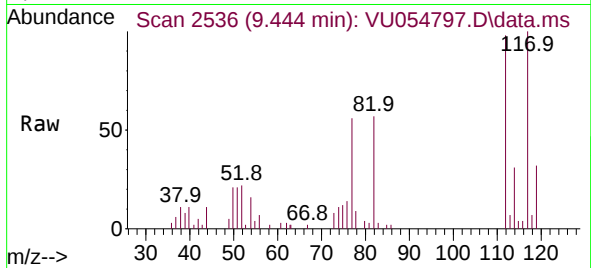
#51
Chlorobenzene
Concen: 2.271 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion:112 Resp: 1011
Ion Ratio Lower Upper
112 100
114 36.0 22.3 41.5
77 66.2 44.2 66.4

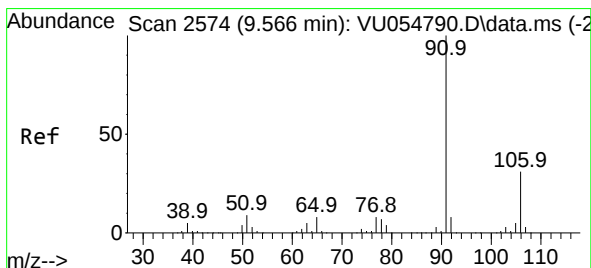
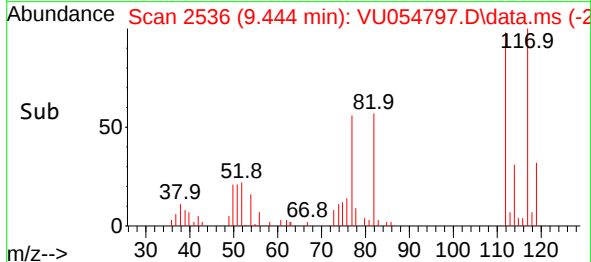
Manual Integrations
APPROVED

Reviewed By :John
Carlone



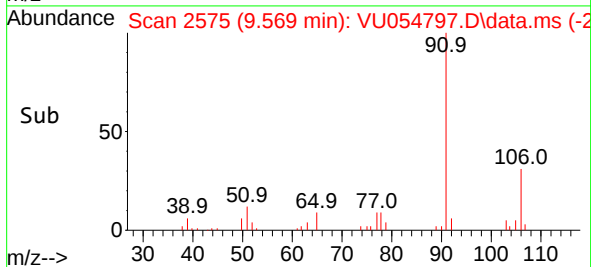
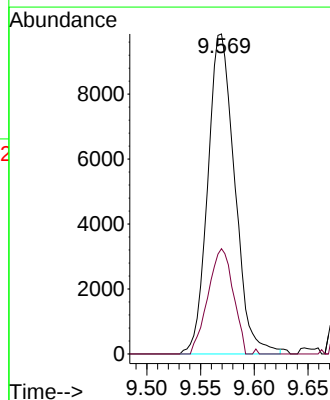
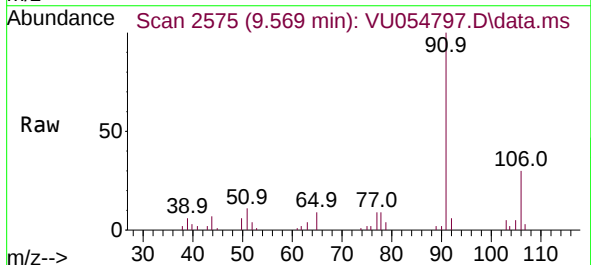
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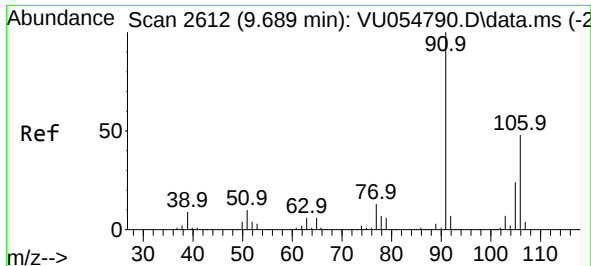
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#52
Ethylbenzene
Concen: 2.166 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 91 Resp: 17143
Ion Ratio Lower Upper
91 100
106 32.9 23.5 43.7





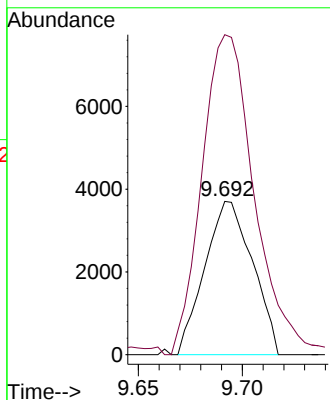
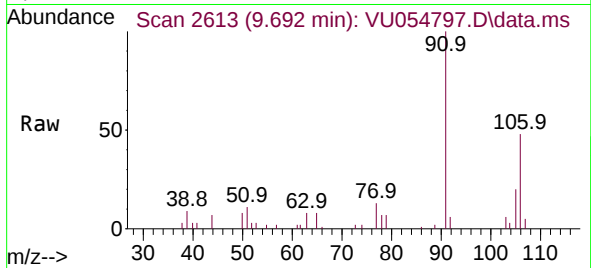
#53
m,p-Xylene
Concen: 1.965 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:106 Resp: 592
Ion Ratio Lower Upper
106 100
91 200.2 133.3 247.7

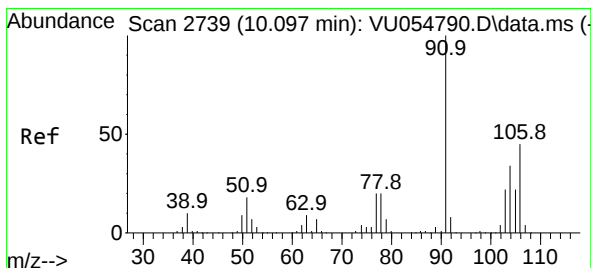
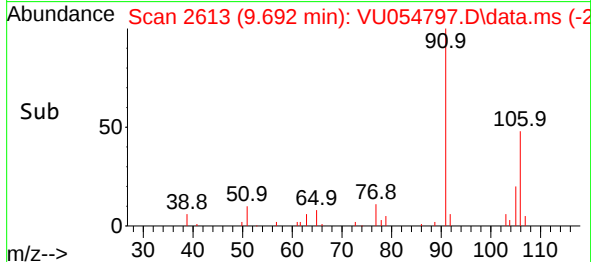
Manual Integrations
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Reviewed By :John
Carlone



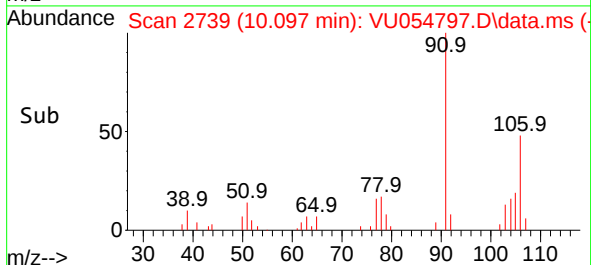
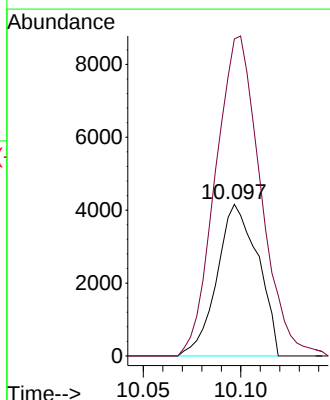
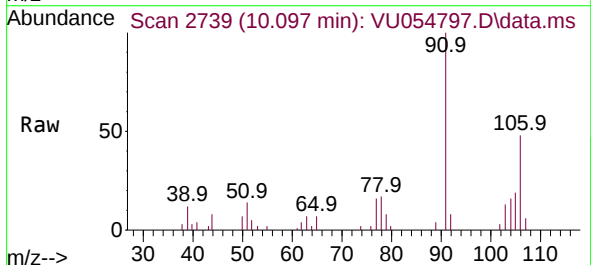
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Supervised By :Mahesh
Dadoda

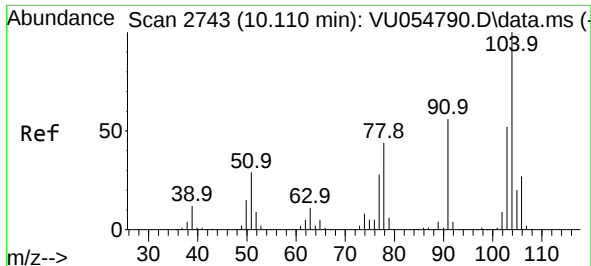
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#54
o-Xylene
Concen: 1.991 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:106 Resp: 6095
Ion Ratio Lower Upper
106 100
91 208.8 142.0 263.8





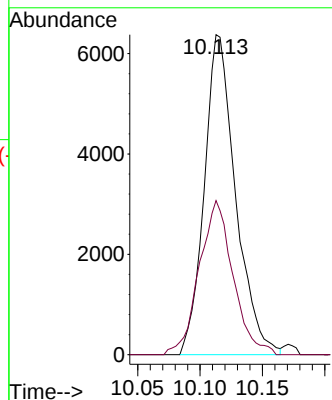
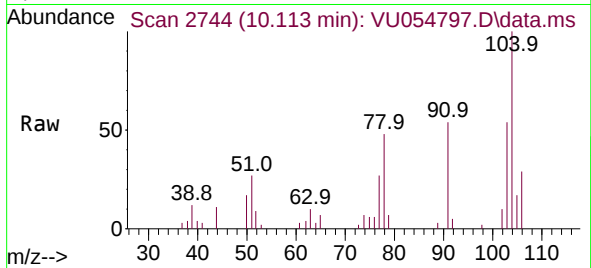
#55
Styrene
Concen: 2.092 ug/L
RT: 10.113 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:104 Resp: 1115
Ion Ratio Lower Upper
104 100
78 54.9 30.7 57.1

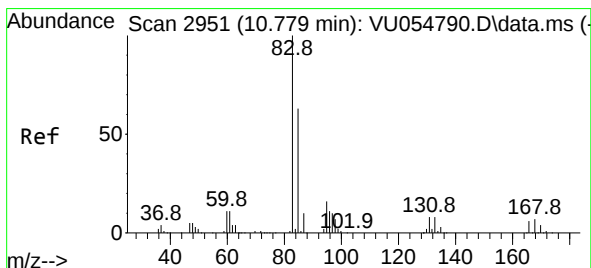
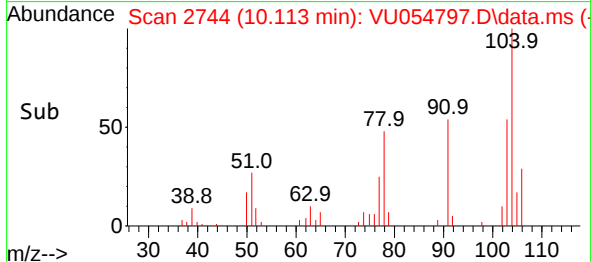
Manual Integrations
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Reviewed By :John
Carlone



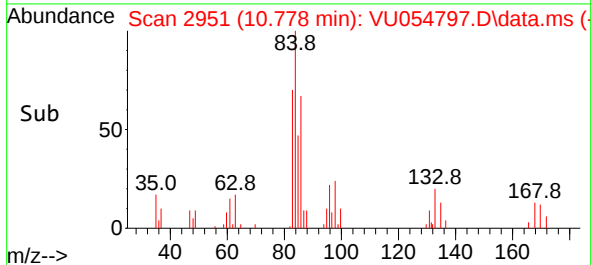
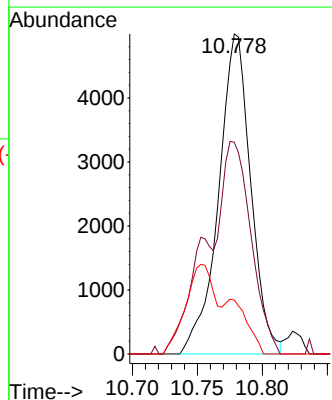
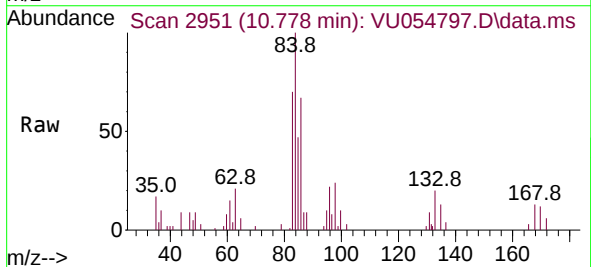
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Supervised By :Mahesh
Dadoda

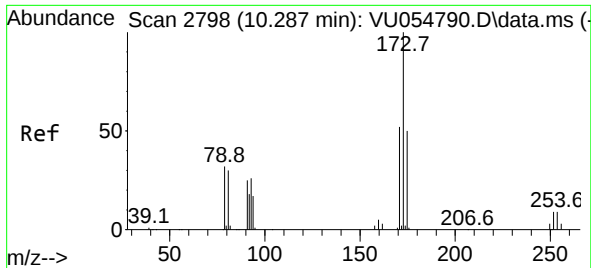
07/18/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.542 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 83 Resp: 8609
Ion Ratio Lower Upper
83 100
85 66.2 43.8 81.4
131 16.9 8.7 13.1#





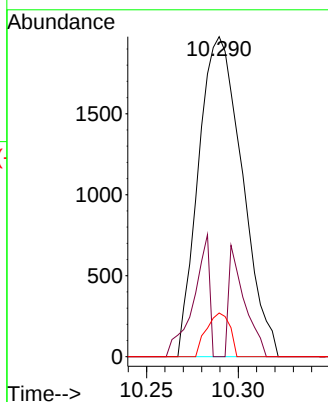
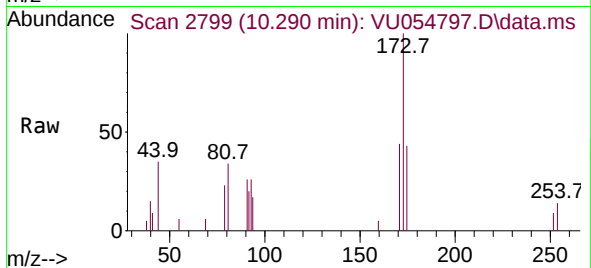
#59
Bromoform
Concen: 2.261 ug/L
RT: 10.290 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:173 Resp: 327
Ion Ratio Lower Upper
173 100
175 12.6 38.8 58.2
254 7.3 2.4 3.6

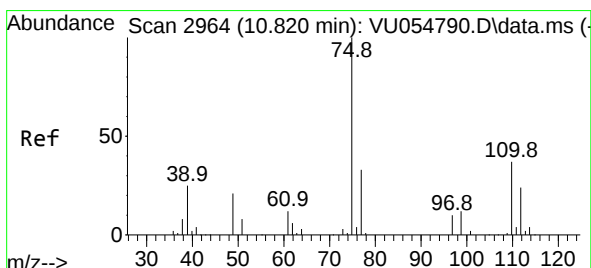
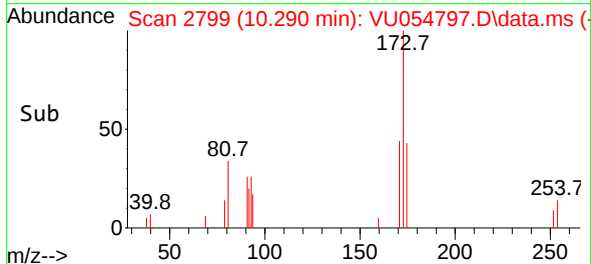
Manual Integrations
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Reviewed By :John
Carlone



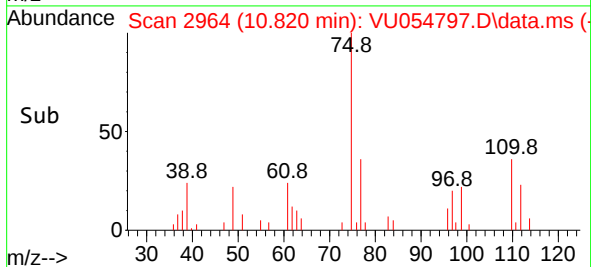
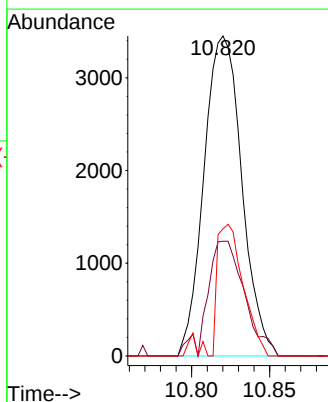
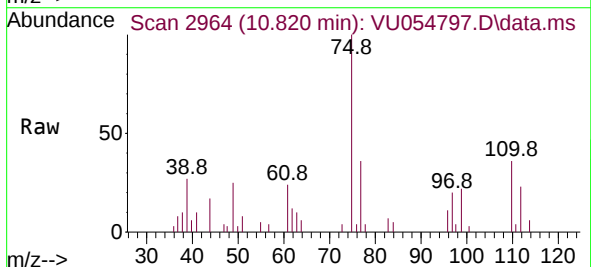
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Supervised By :Mahesh
Dadoda

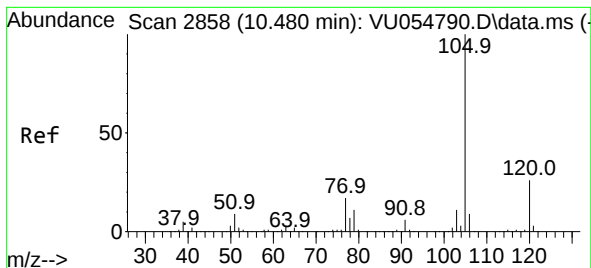
07/18/2023



#60
1,2,3-Trichloropropane
Concen: 2.583 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion: 75 Resp: 5832
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4
110 0.5 29.9 44.9





#61

Isopropylbenzene

Concen: 2.156 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Instrument :

MSVOA_U

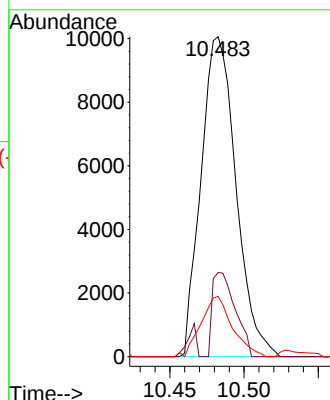
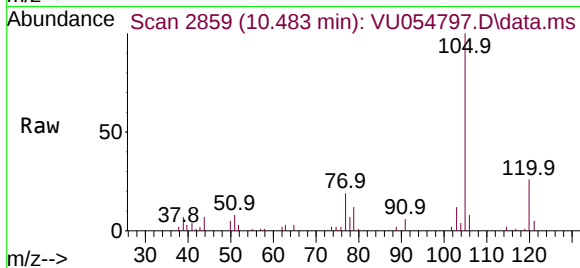
ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:	105	Resp:	1648
Ion Ratio	Lower	Upper	
105	100		
120	17.2	21.4	32.0
77	16.7	12.8	19.2

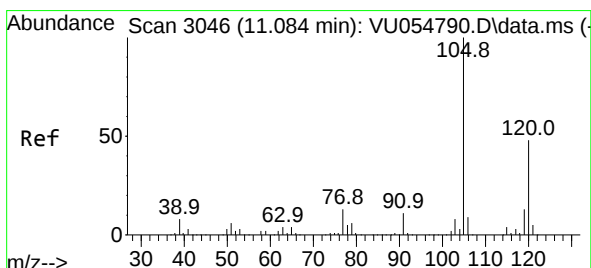
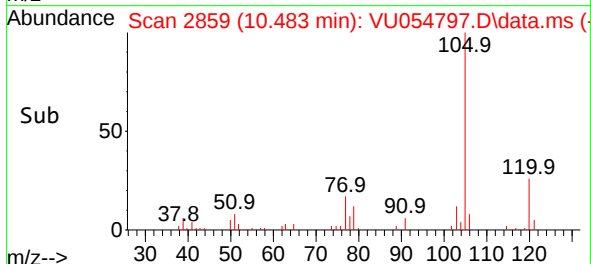
Manual Integrations
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Reviewed By :John
Carlone



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Supervised By :Mahesh
Dadoda

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#62

1,3,5-Trimethylbenzene

Concen: 2.063 ug/L

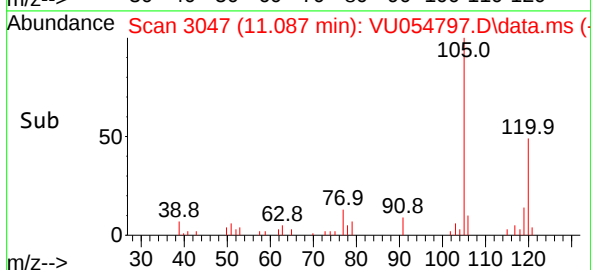
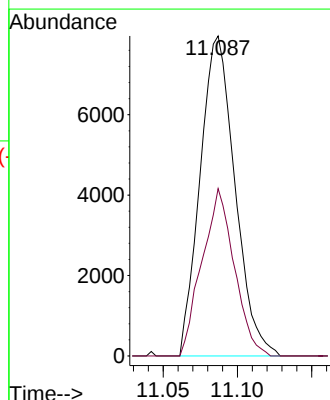
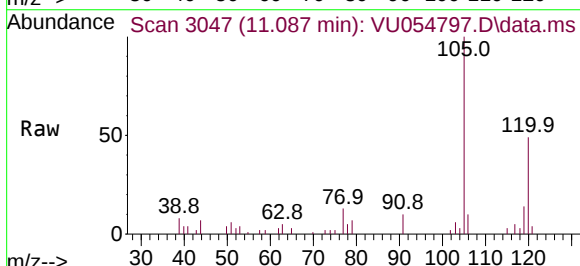
RT: 11.087 min Scan# 3047

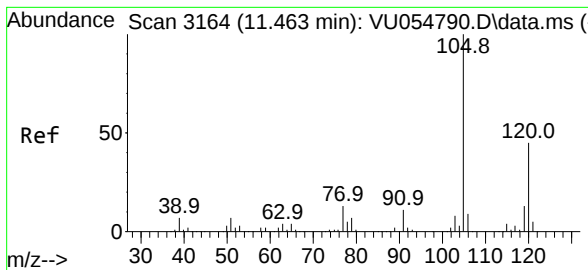
Delta R.T. 0.003 min

Lab File: VU054797.D

Acq: 17 Jul 2023 16:56

Tgt Ion:	105	Resp:	12992
Ion Ratio	Lower	Upper	
105	100		
120	48.3	38.0	57.0





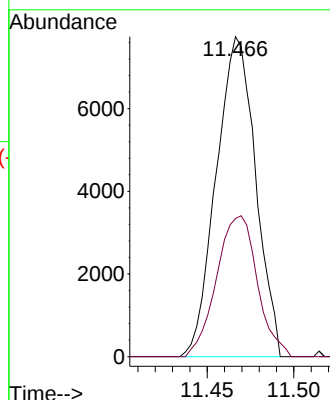
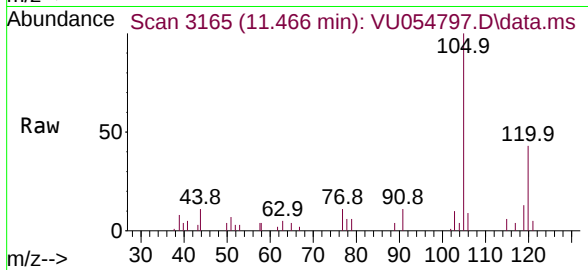
#63
1,2,4-Trimethylbenzene
Concen: 1.962 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:105 Resp: 1224
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.2

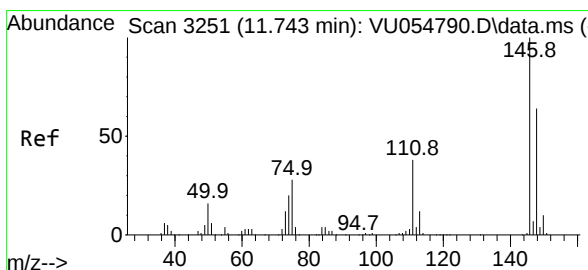
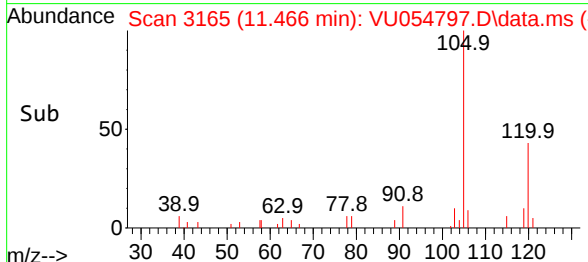
Manual Integrations
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Reviewed By :John
Carlone



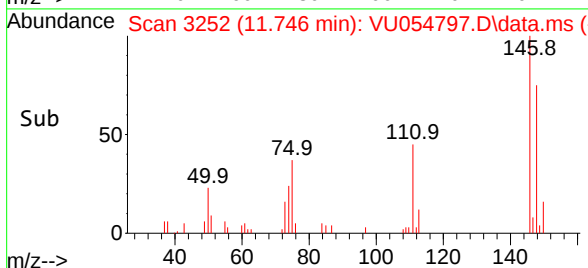
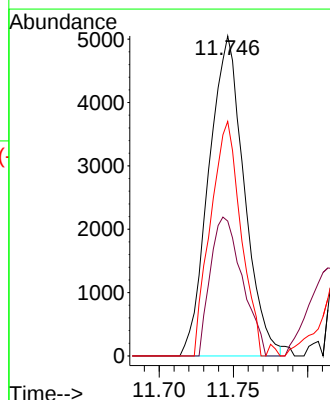
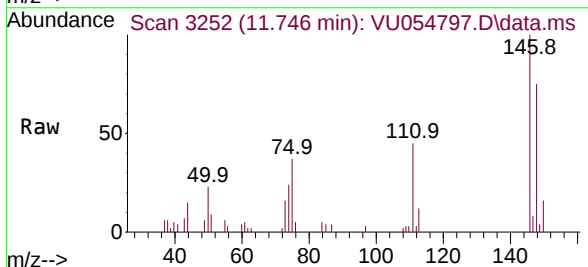
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Supervised By :Mahesh
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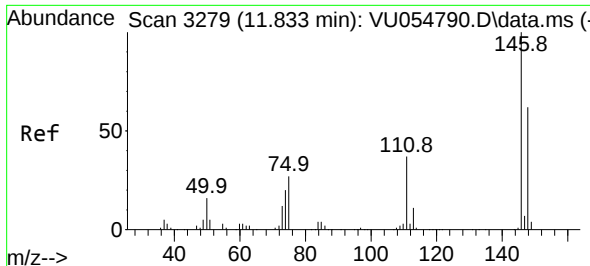
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#64
1,3-Dichlorobenzene
Concen: 2.355 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:146 Resp: 8352
Ion Ratio Lower Upper
146 100
111 42.1 25.2 46.8
148 73.3 44.4 82.4





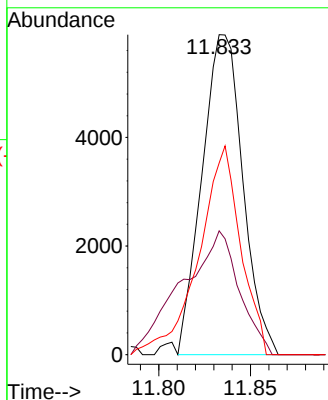
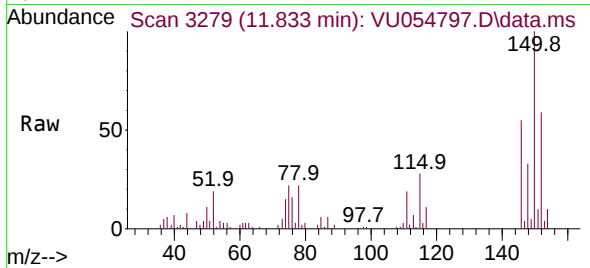
#65
1,4-Dichlorobenzene
Concen: 2.559 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:146 Resp: 9139
Ion Ratio Lower Upper
146 100
111 36.4 24.1 44.8
148 65.5 41.0 76.2

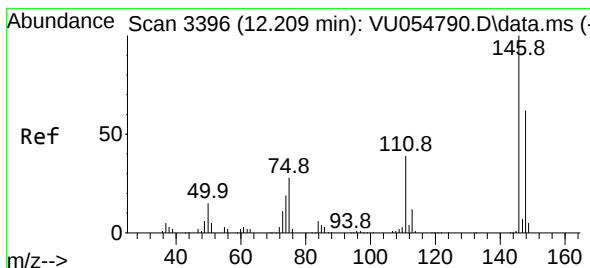
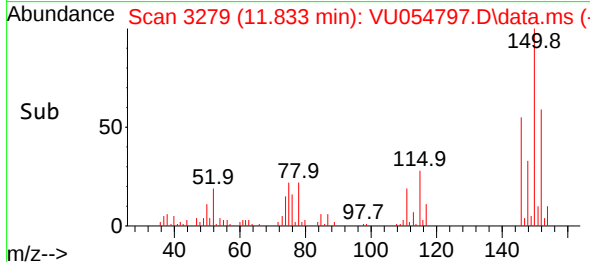
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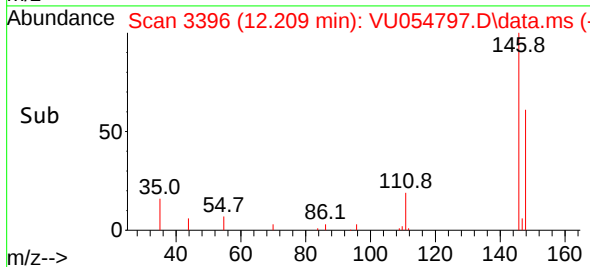
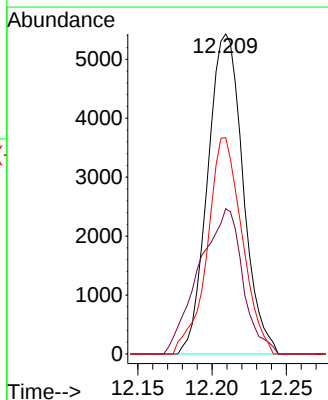
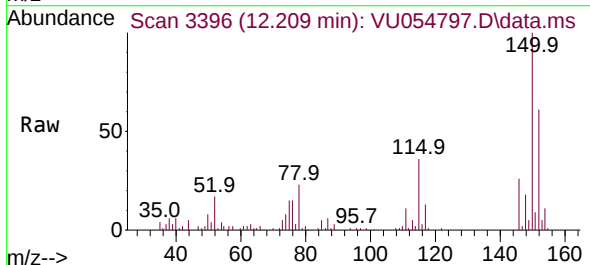
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Supervised By :Mahesh
Dadoda

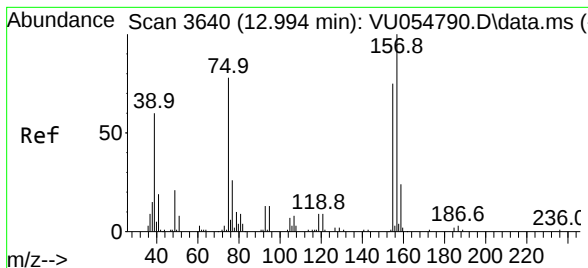
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#67
1,2-Dichlorobenzene
Concen: 2.516 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

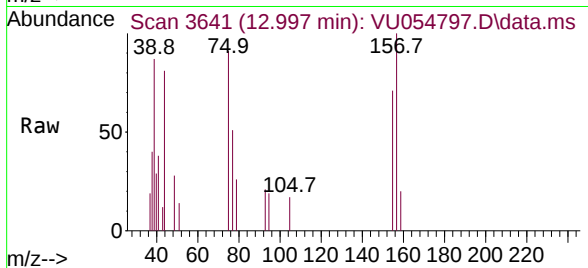
Tgt Ion:146 Resp: 8964
Ion Ratio Lower Upper
146 100
111 42.9 31.5 47.3
148 83.1 53.5 80.3#





#68
1,2-Dibromo-3-chloropropane
Concen: 2.151 ug/L
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

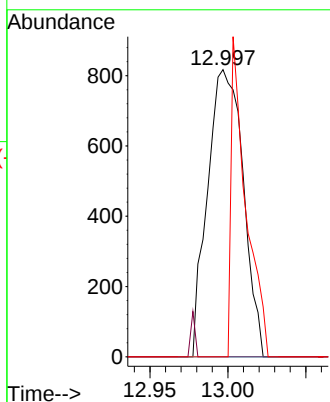
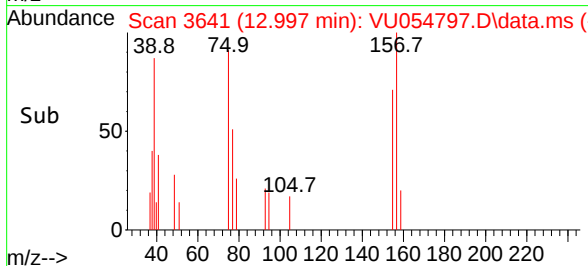
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 75 Resp: 1298
Ion Ratio Lower Upper
75 100
155 0.0 80.6 121.0
157 0.0 106.5 159.7

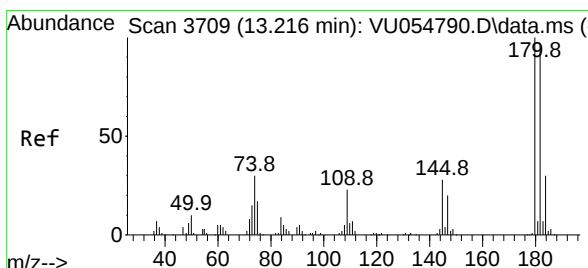
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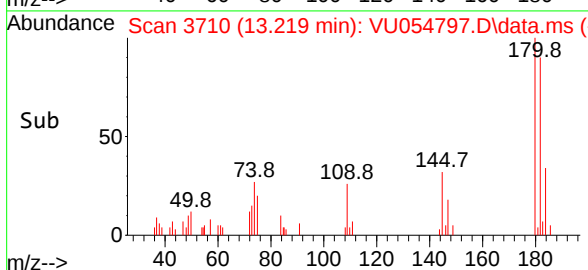
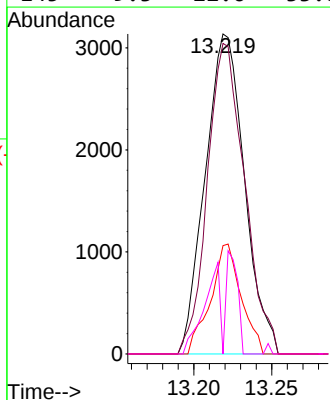
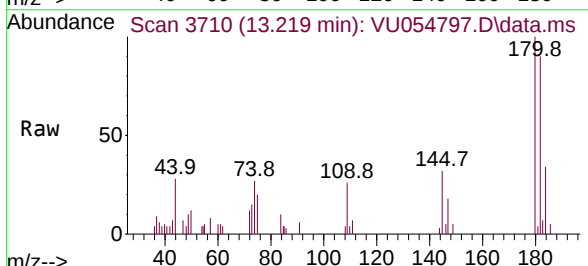
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Supervised By :Mahesh
Dadoda

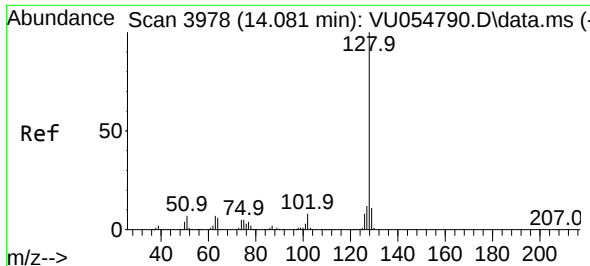
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#69
1,3,5-Trichlorobenzene
Concen: 2.306 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:180 Resp: 5482
Ion Ratio Lower Upper
180 100
182 92.0 76.7 115.1
184 26.8 23.4 35.0
145 9.3 22.6 33.8





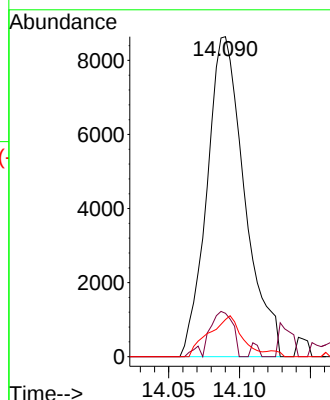
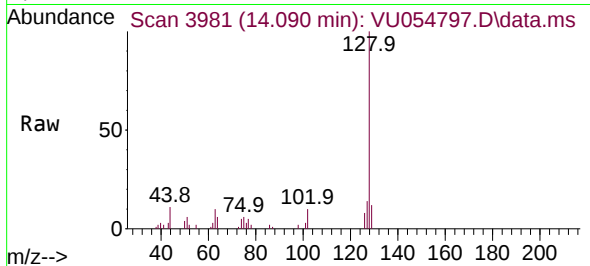
#71
Naphthalene
Concen: 2.374 ug/L
RT: 14.090 min Scan# 3978
Delta R.T. 0.009 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:128 Resp: 15989
Ion Ratio Lower Upper
128 100
127 8.2 10.0 15.0
129 11.0 8.6 13.0

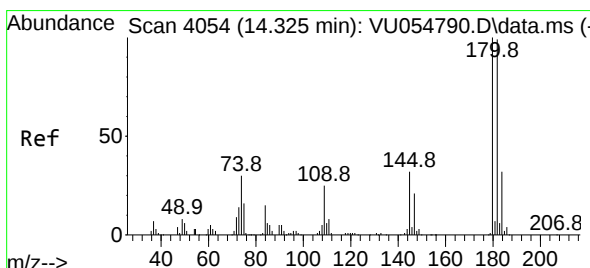
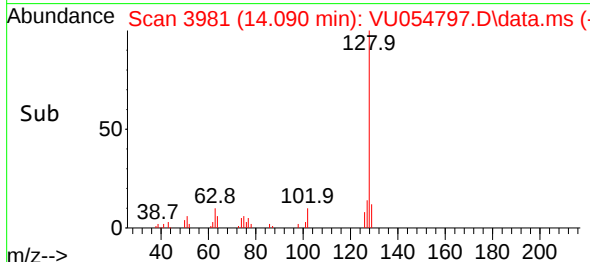
Manual Integrations
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Reviewed By :John
Carlone



07/18/2023
Supervised By :Mahesh
Dadoda

07/18/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.904 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU054797.D
Acq: 17 Jul 2023 16:56

Tgt Ion:180 Resp: 3805
Ion Ratio Lower Upper
180 100
182 59.6 76.6 115.0#
145 36.9 25.4 38.2

