

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055720.D
 Acq On : 10 Oct 2023 14:46
 Operator : MD/SY
 Sample : 04696-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 11 06:05:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 05:51:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 10/11/2023

Supervised By :Mahesh
 Dadoda
 10/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	374670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	387107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	193163	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	156274	46.501	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.000%		
7) Chloroethane-d5	1.882	69	135809	49.438	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.880%		
11) 1,1-Dichloroethene-d2	2.557	63	217375	36.276	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.560%		
21) 2-Butanone-d5	4.615	46	254093	102.038	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.040%		
24) Chloroform-d	5.055	84	295738	45.903	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.800%		
26) 1,2-Dichloroethane-d4	5.695	65	197403	49.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.560%		
32) Benzene-d6	5.721	84	593220	47.896	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.800%		
36) 1,2-Dichloropropane-d6	6.685	67	188887	48.172	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.340%		
41) Toluene-d8	7.894	98	517247	46.249	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.500%		
43) trans-1,3-Dichloroprop...	8.174	79	87817	46.623	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.240%		
47) 2-Hexanone-d5	8.634	63	179604	116.515	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	116.520%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	326010	54.016	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.040%		
66) 1,2-Dichlorobenzene-d4	12.190	152	206317	53.824	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	7627	2.445	ug/L	98
3) Chloromethane	1.518	50	8115	2.749	ug/L	92
5) Vinyl chloride	1.602	62	8802	2.709	ug/L #	75
6) Bromomethane	1.830	94	4335	2.087	ug/L	99
8) Chloroethane	1.904	64	5947	2.791	ug/L	97
9) Trichlorofluoromethane	2.120	101	11650	2.510	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	8358	2.800	ug/L	89
12) 1,1-Dichloroethene	2.570	96	7945	2.991	ug/L #	1
13) Acetone	2.625	43	11563	5.004	ug/L	98
14) Carbon disulfide	2.782	76	20389	2.522	ug/L	100
15) Methyl Acetate	2.946	43	9907	2.799	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	6874	2.531	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	21502	2.462	ug/L	98
19) 1,1-Dichloroethane	3.859	63	13681	2.456	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	8318	2.683	ug/L	99
22) 2-Butanone	4.705	43	16162m	5.803	ug/L	
23) Bromochloromethane	4.968	128	3921	2.442	ug/L	97
25) Chloroform	5.084	83	16263	2.795	ug/L	97
27) 1,2-Dichloroethane	5.792	62	12859	2.763	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	9935	2.239	ug/L	98
30) 1,1,1-Trichloroethane	5.316	97	12567	2.513	ug/L	94
31) Carbon tetrachloride	5.521	117	11332	2.589	ug/L	98
33) Benzene	5.772	78	29487	2.410	ug/L	100
34) Trichloroethene	6.538	95	8514	2.543	ug/L	96
35) Methylcyclohexane	6.759	83	11358	2.338	ug/L	97
37) 1,2-Dichloropropane	6.792	63	7837	2.326	ug/L #	91
38) Bromodichloromethane	7.103	83	10730	2.415	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	12208	2.381	ug/L	95
40) 4-Methyl-2-pentanone	7.795	43	24847	5.300	ug/L	98
42) Toluene	7.968	91	32042	2.482	ug/L	97
44) trans-1,3-Dichloropropene	8.210	75	12768m	2.603	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	8508	2.561	ug/L	97
46) Tetrachloroethene	8.550	164	5413	2.258	ug/L	98
48) 2-Hexanone	8.685	43	46724	11.800	ug/L #	92
49) Dibromochloromethane	8.808	129	8432	2.484	ug/L	92
50) 1,2-Dibromoethane	8.920	107	9277	2.600	ug/L #	86
51) Chlorobenzene	9.444	112	19826	2.373	ug/L	92
52) Ethylbenzene	9.570	91	32888	2.330	ug/L	98
53) m,p-Xylene	9.695	106	12093	2.287	ug/L	88
54) o-Xylene	10.100	106	11622	2.271	ug/L	95
55) Styrene	10.116	104	18246	2.105	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.782	83	18369	3.229	ug/L #	98
59) Bromoform	10.290	173	6246	2.627	ug/L #	94
60) 1,2,3-Trichloropropane	10.820	75	13611	3.247	ug/L	99
61) Isopropylbenzene	10.483	105	28028	2.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	22712	2.331	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	21247	2.205	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	15979	2.684	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	16585	2.710	ug/L	89
67) 1,2-Dichlorobenzene	12.213	146	16845	2.851	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	13.000	75	3133	2.500	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.222	180	10144	2.555	ug/L	93
70) 1,2,4-trichlorobenzene	13.843	180	8746	2.644	ug/L	96
71) Naphthalene	14.090	128	29155	2.968	ug/L	97
72) 1,2,3-Trichlorobenzene	14.331	180	8964	2.749	ug/L	93

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

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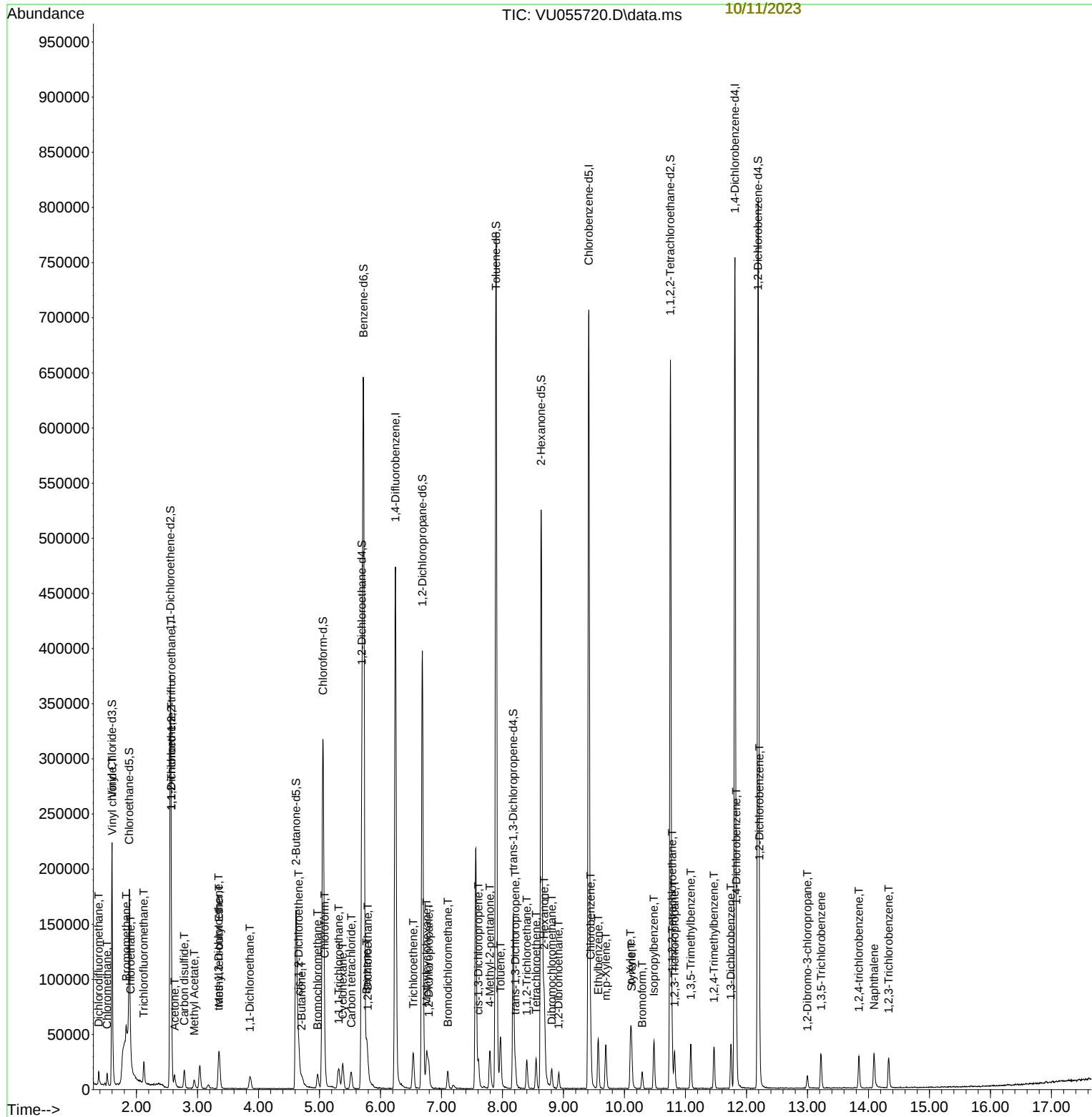
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ClientSampleId :
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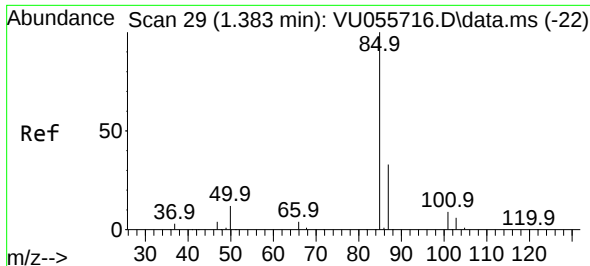
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#2
 Dichlorodifluoromethane
 Concen: 2.445 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

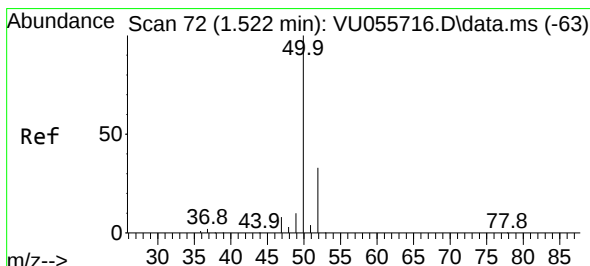
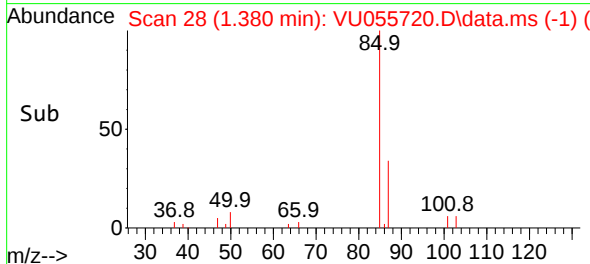
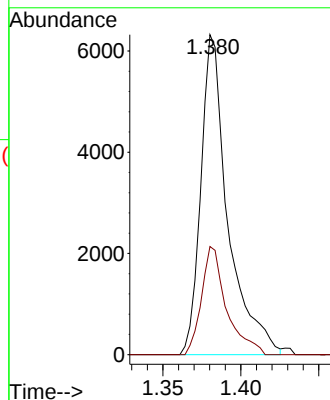
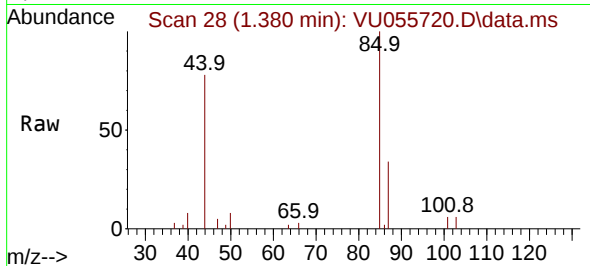
Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 85 Resp: 762
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.0 39.0

Manual Integrations
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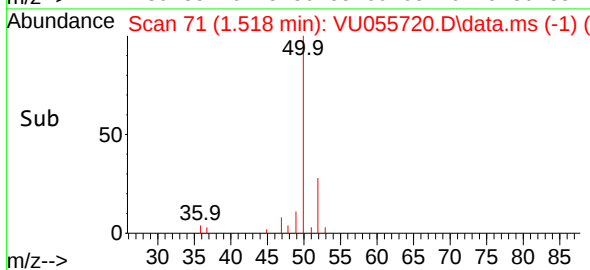
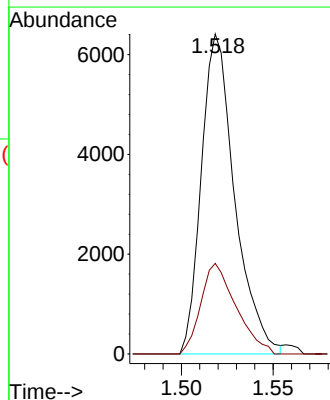
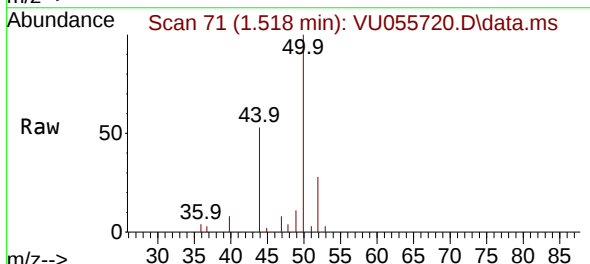
Reviewed By :John
 Carlone
 10/11/2023

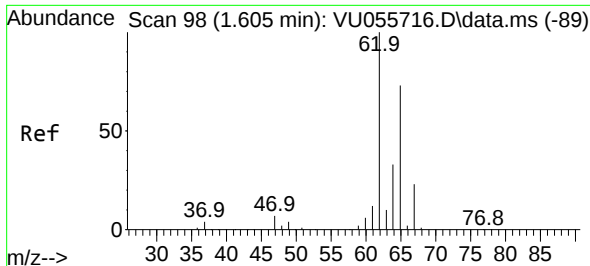
Supervised By :Mahesh
 Dadoda
 10/11/2023



#3
 Chloromethane
 Concen: 2.749 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

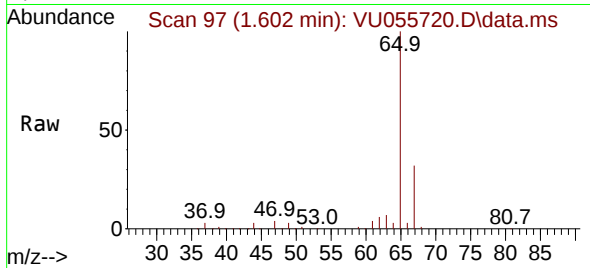
Tgt Ion: 50 Resp: 8115
 Ion Ratio Lower Upper
 50 100
 52 28.3 22.8 42.4





#5
 Vinyl chloride
 Concen: 2.709 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
 ClientSampleId : MDL-MED-SOIL-QT4-2023-07

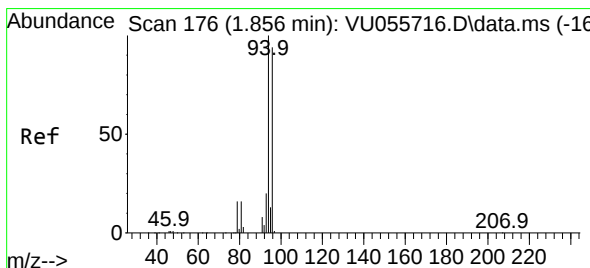
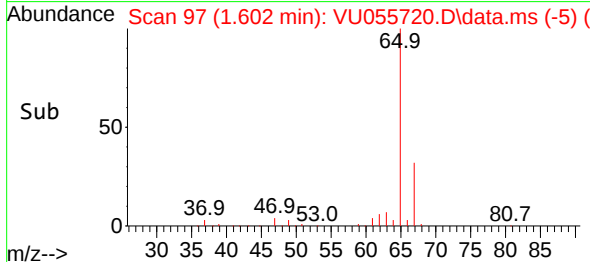
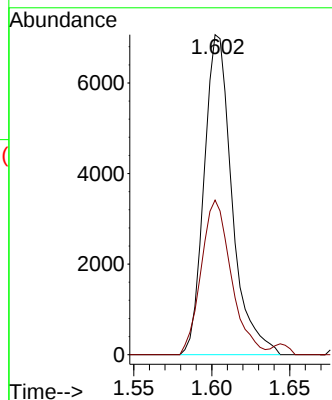


Tgt Ion: 62 Resp: 880
 Ion Ratio Lower Upper
 62 100
 64 48.3 23.9 44.5

Manual Integrations
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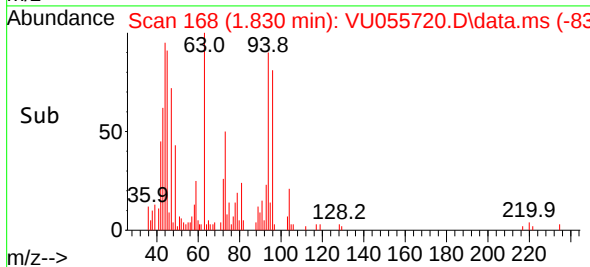
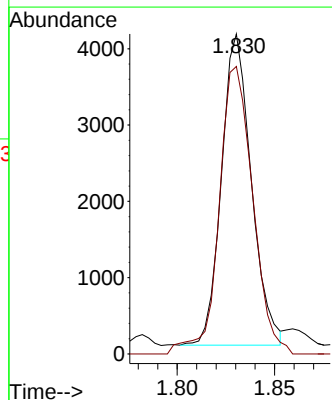
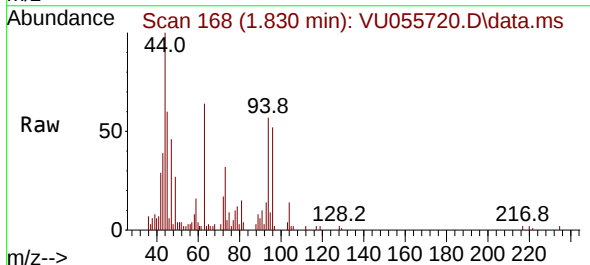
Reviewed By :John
 Carlone
 10/11/2023

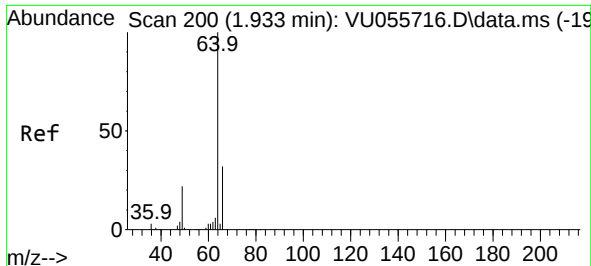
Supervised By :Mahesh
 Dadoda
 10/11/2023



#6
 Bromomethane
 Concen: 2.087 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.026 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

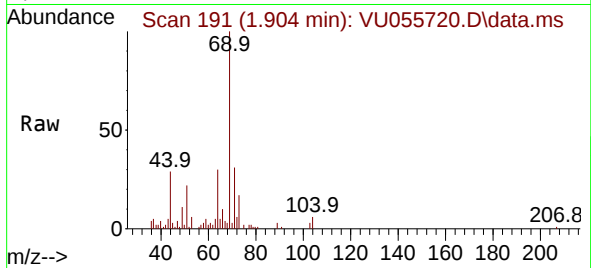
Tgt Ion: 94 Resp: 4335
 Ion Ratio Lower Upper
 94 100
 96 89.8 63.5 117.9





#8
Chloroethane
Concen: 2.791 ug/L
RT: 1.904 min Scan# 191
Delta R.T. -0.029 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

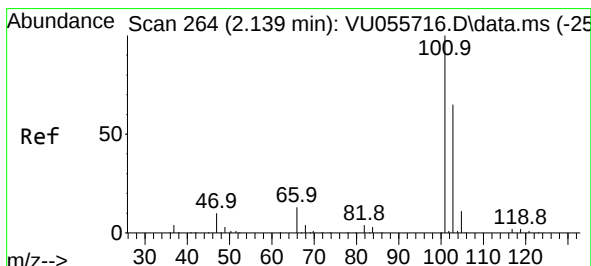
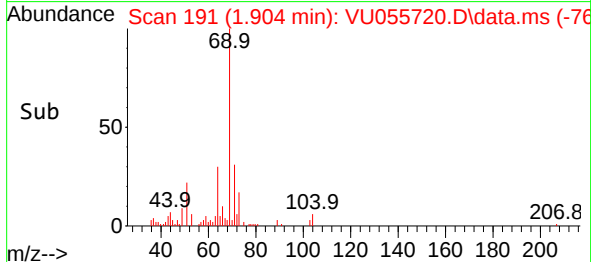
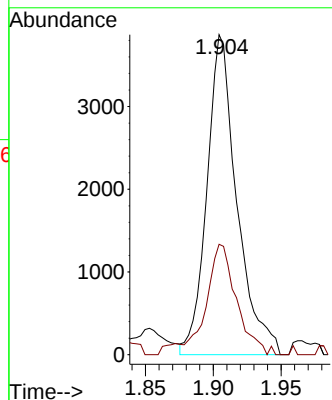


Tgt Ion: 64 Resp: 594
Ion Ratio Lower Upper
64 100
66 34.5 22.9 42.5

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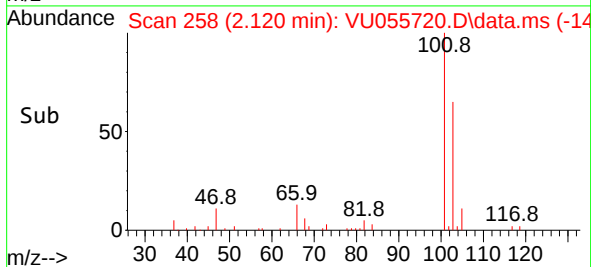
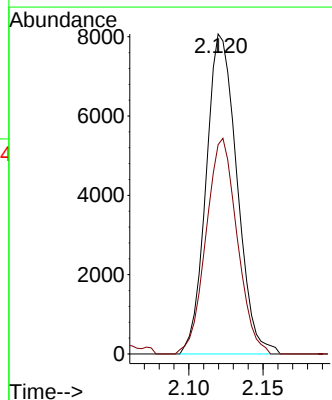
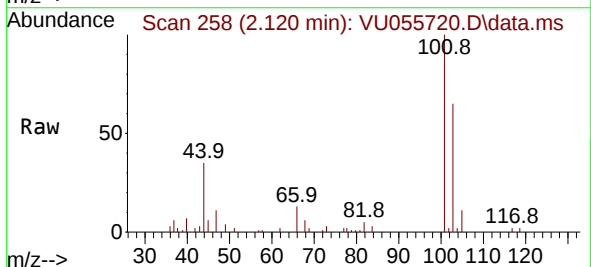
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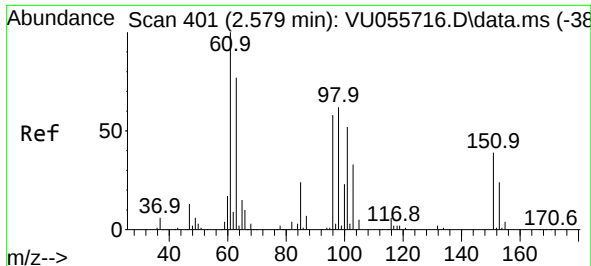
Supervised By :Mahesh
Dadoda
10/11/2023



#9
Trichlorofluoromethane
Concen: 2.510 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.019 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion:101 Resp: 11650
Ion Ratio Lower Upper
101 100
103 67.9 51.3 76.9





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.800 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.009 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

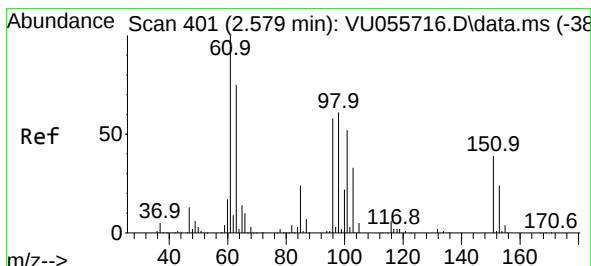
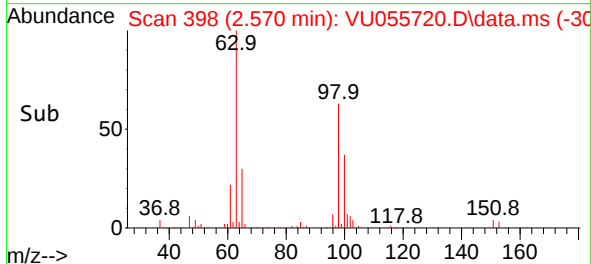
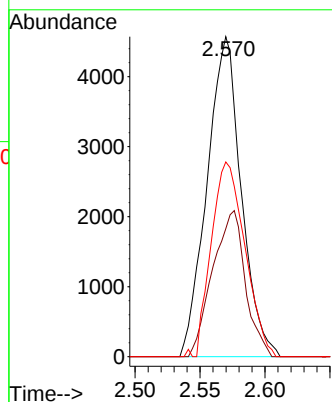
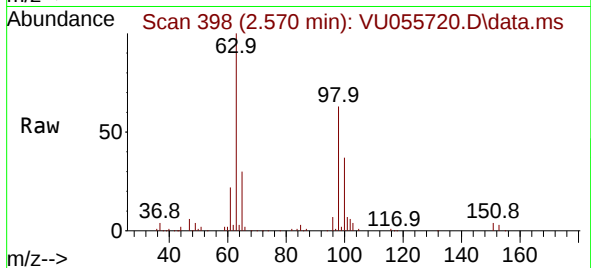
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Tgt Ion: 101 Resp: 8358
Ion Ratio Lower Upper
101 100
85 43.5 37.1 55.7
151 59.8 58.2 87.4

Manual Integrations
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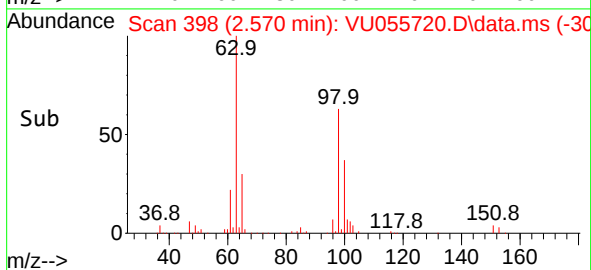
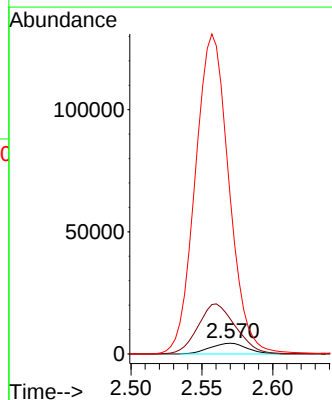
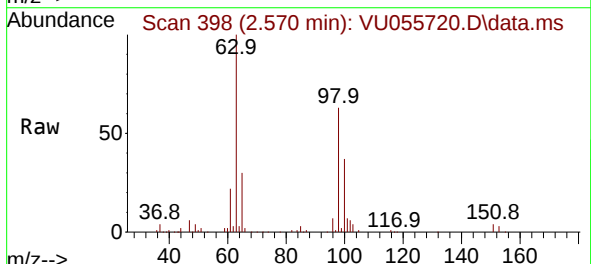
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Carlone
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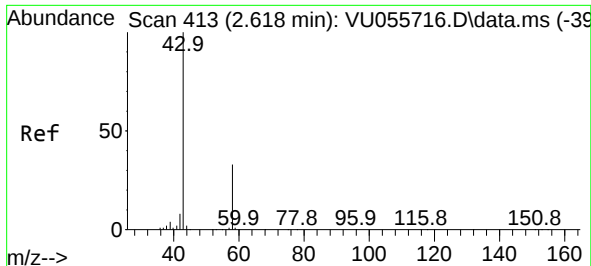
Supervised By : Mahesh
Dadoda
10/11/2023



#12
1,1-Dichloroethene
Concen: 2.991 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.009 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 96 Resp: 7945
Ion Ratio Lower Upper
96 100
61 329.5 122.0 226.6#
63 1476.1 93.7 174.1#





#13
Acetone
Concen: 5.004 ug/L
RT: 2.625 min Scan# 413
Delta R.T. 0.007 min
Lab File: VU055720.D
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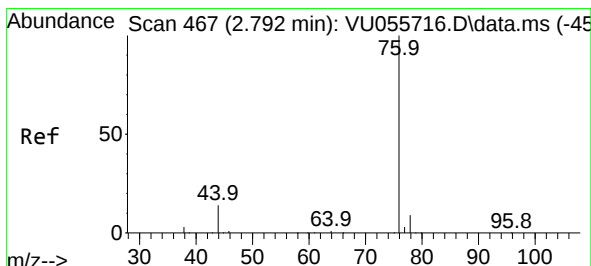
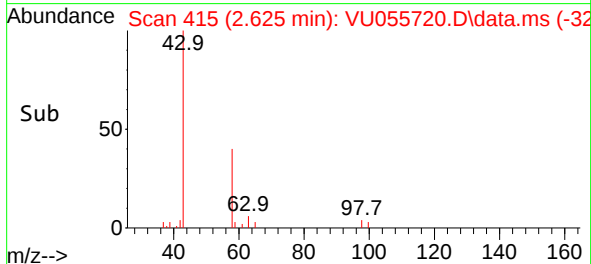
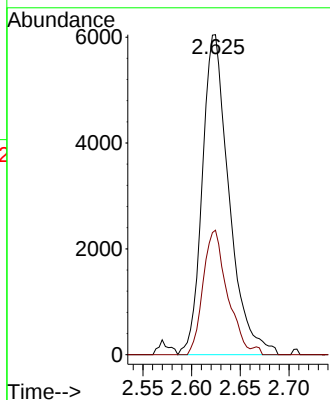
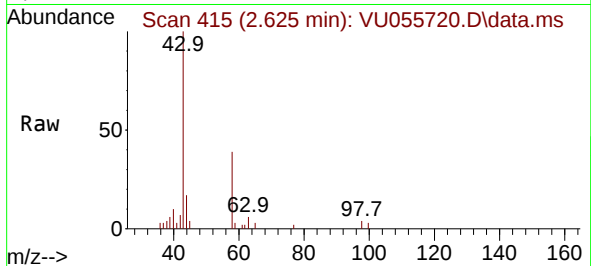
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Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
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58 35.0 0.0 67.4

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APPROVED

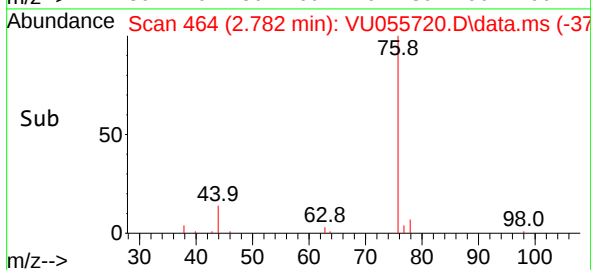
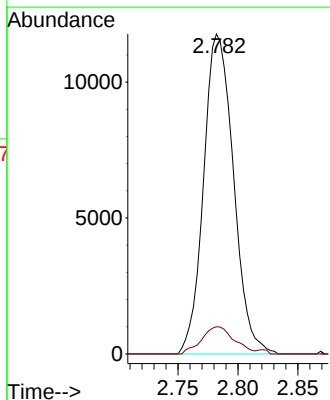
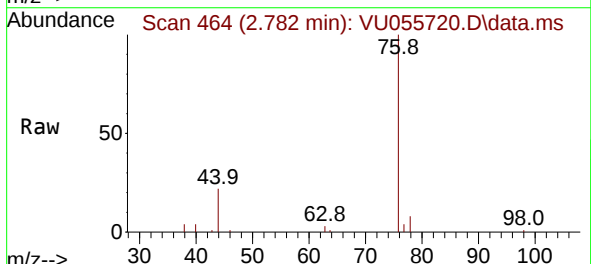
Reviewed By :John
Carlone
10/11/2023

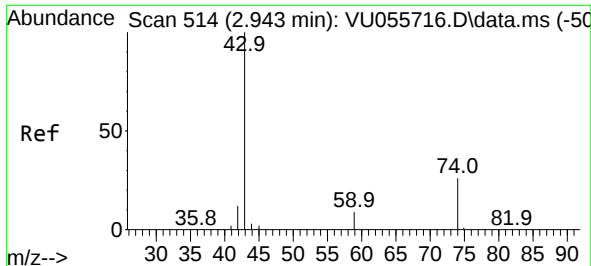
Supervised By :Mahesh
Dadoda
10/11/2023



#14
Carbon disulfide
Concen: 2.522 ug/L
RT: 2.782 min Scan# 464
Delta R.T. -0.009 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

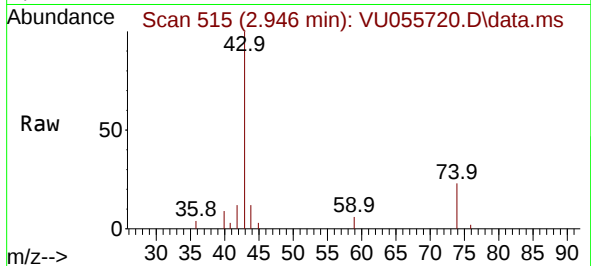
Tgt Ion: 76 Resp: 20389
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2





#15
Methyl Acetate
Concen: 2.799 ug/L
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

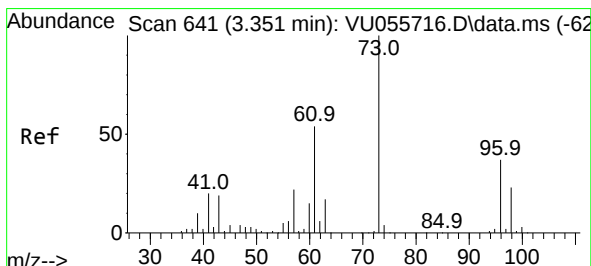
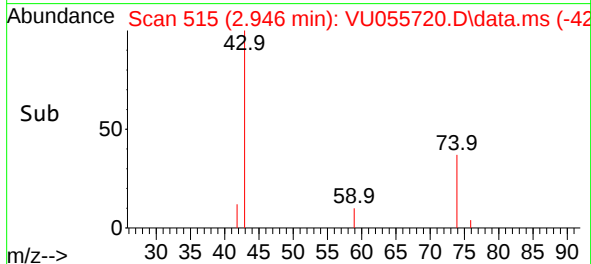
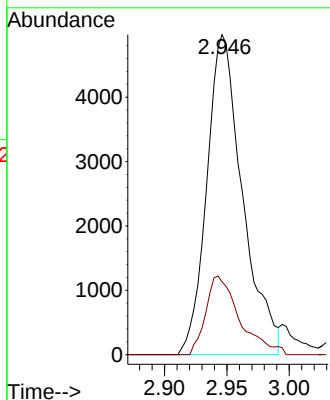


Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
74 22.9 19.5 29.3

Manual Integrations
APPROVED

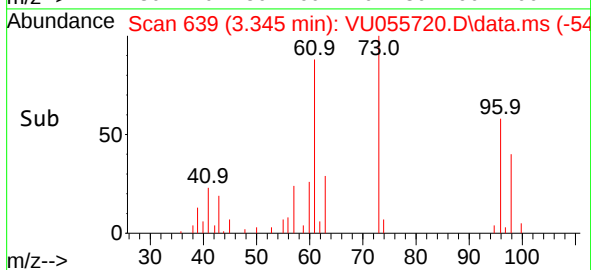
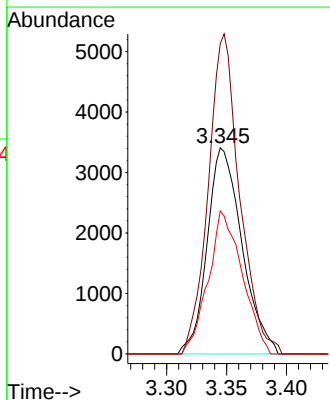
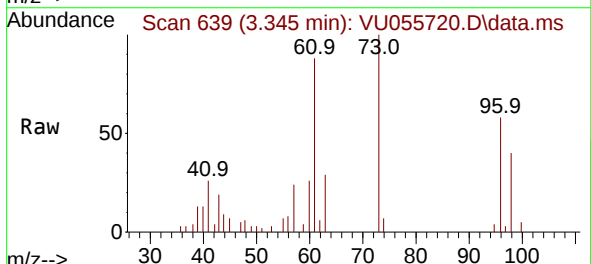
Reviewed By :John
Carlone
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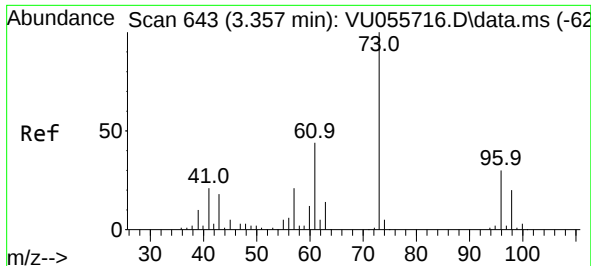
Supervised By :Mahesh
Dadoda
10/11/2023



#17
trans-1,2-Dichloroethene
Concen: 2.531 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.006 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 96 Resp: 6874
Ion Ratio Lower Upper
96 100
61 150.5 102.1 189.7
98 69.3 46.3 86.1





#18

Methyl tert-butyl Ether

Concen: 2.462 ug/L

RT: 3.354 min Scan# 643

Delta R.T. -0.003 min

Lab File: VU055720.D

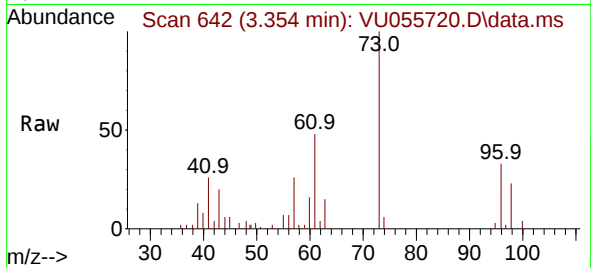
Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07



Tgt Ion:	73	Resp:	2150
Ion	Ratio	Lower	Upper
73	100		
43	17.7	15.4	23.2
57	22.8	17.7	26.5

Manual Integrations

APPROVED

Reviewed By :John

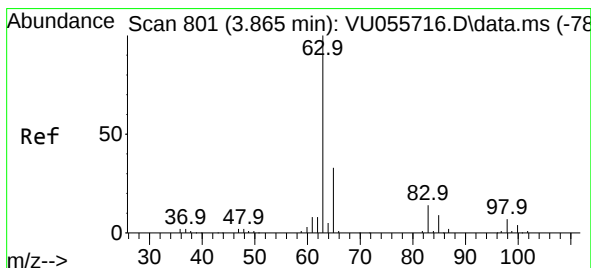
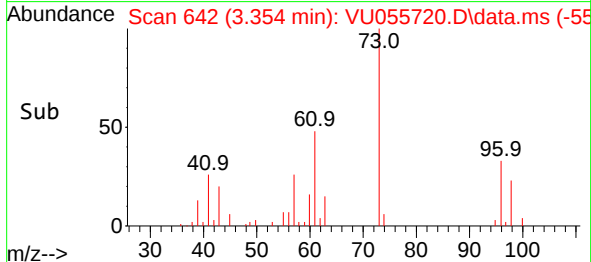
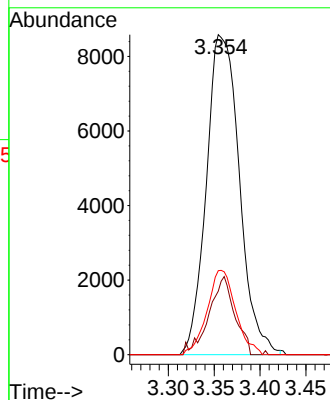
Carlone

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Supervised By :Mahesh

Dadoda

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#19

1,1-Dichloroethane

Concen: 2.456 ug/L

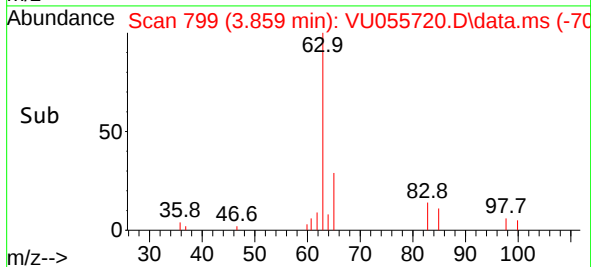
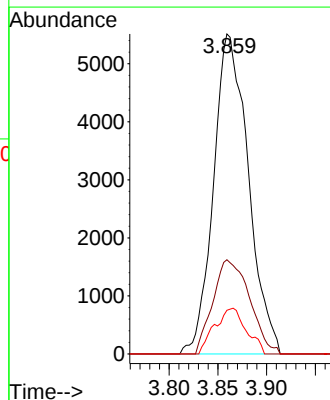
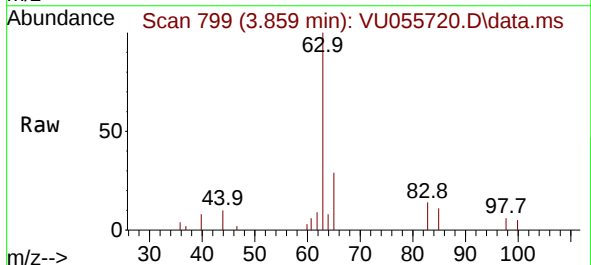
RT: 3.859 min Scan# 799

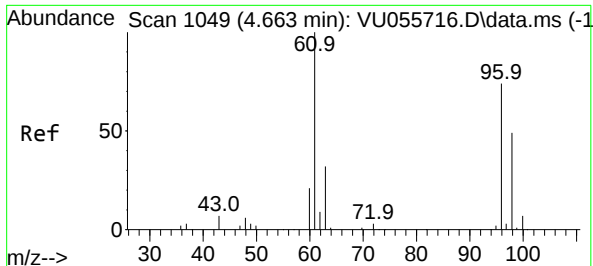
Delta R.T. -0.006 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion:	63	Resp:	13681
Ion	Ratio	Lower	Upper
63	100		
65	29.4	22.3	41.5
83	13.7	9.5	17.7





#20

cis-1,2-Dichloroethene

Concen: 2.683 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion:	96	Resp:	8318
Ion	Ratio	Lower	Upper
96	100		
61	130.7	92.3	171.5
98	62.6	43.9	81.5

Manual Integrations

APPROVED

Reviewed By :John

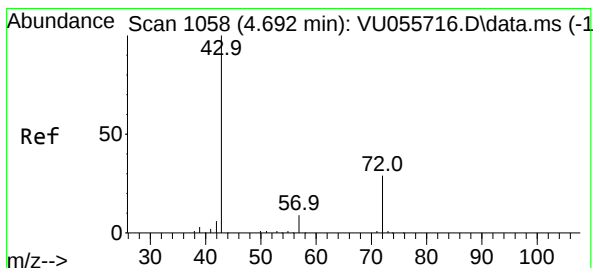
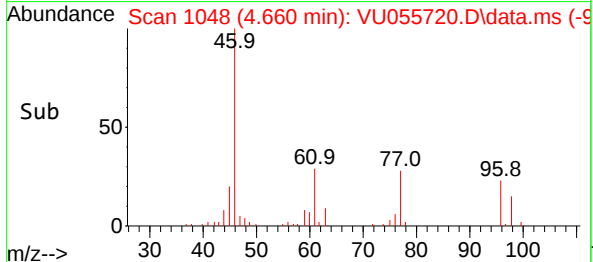
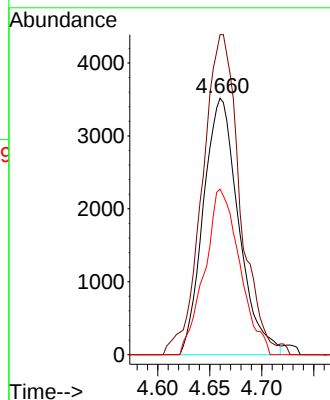
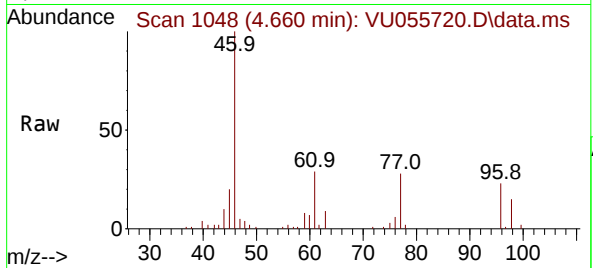
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Supervised By :Mahesh

Dadoda

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#22

2-Butanone

Concen: 5.803 ug/L m

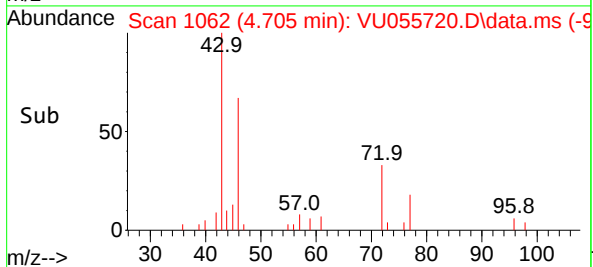
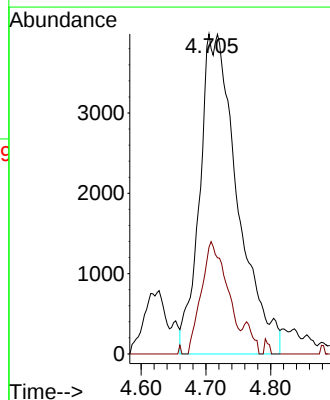
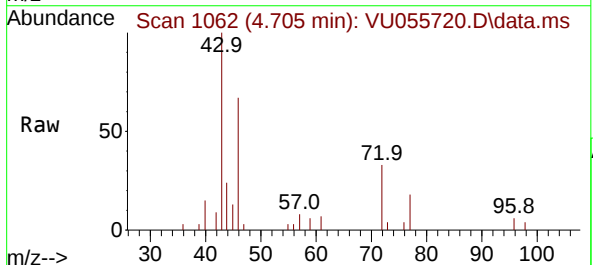
RT: 4.705 min Scan# 1062

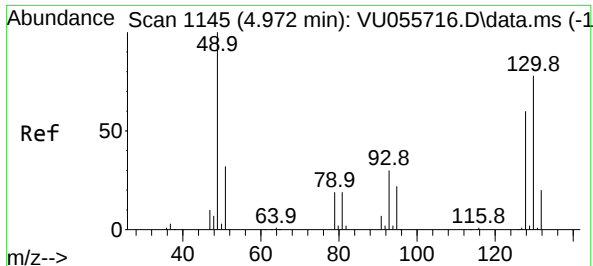
Delta R.T. 0.013 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

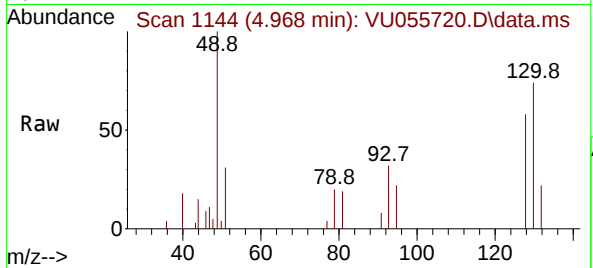
Tgt Ion:	43	Resp:	16162
Ion	Ratio	Lower	Upper
43	100		
72	23.9	14.6	44.0





#23
Bromochloromethane
Concen: 2.442 ug/L
RT: 4.968 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

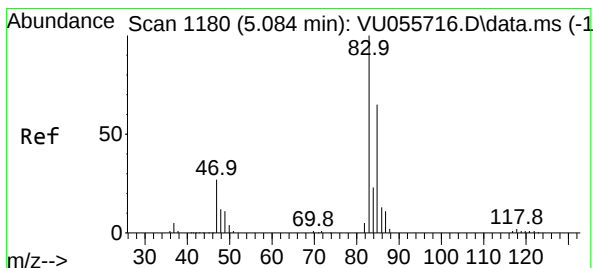
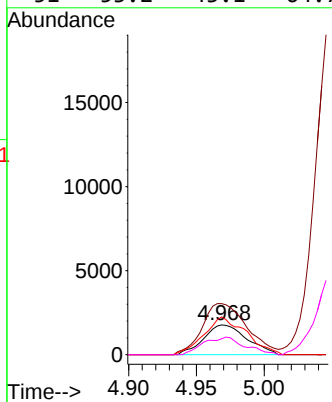
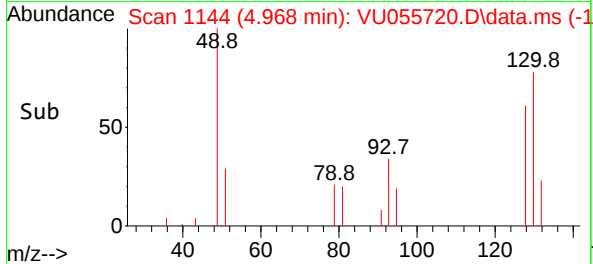


Tgt Ion:128 Resp: 392
Ion Ratio Lower Upper
128 100
49 172.1 116.3 216.1
130 127.3 91.6 170.0
51 53.2 43.1 64.7

Manual Integrations
APPROVED

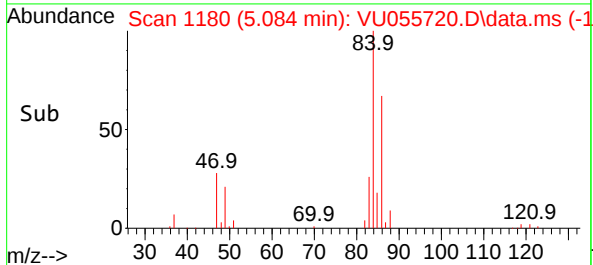
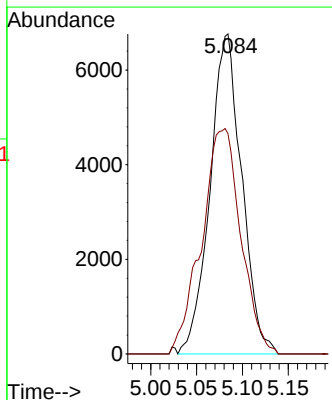
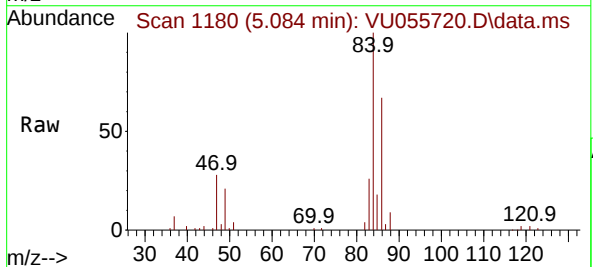
Reviewed By :John
Carlone
10/11/2023

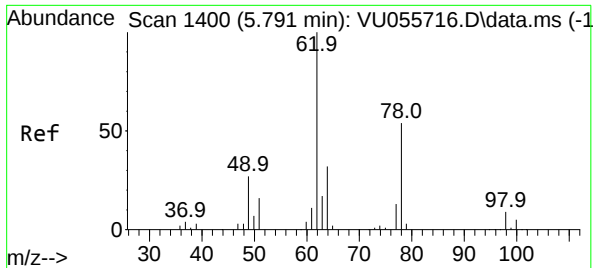
Supervised By :Mahesh
Dadoda
10/11/2023



#25
Chloroform
Concen: 2.795 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 83 Resp: 16263
Ion Ratio Lower Upper
83 100
85 68.8 46.3 86.1





#27
1,2-Dichloroethane
Concen: 2.763 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

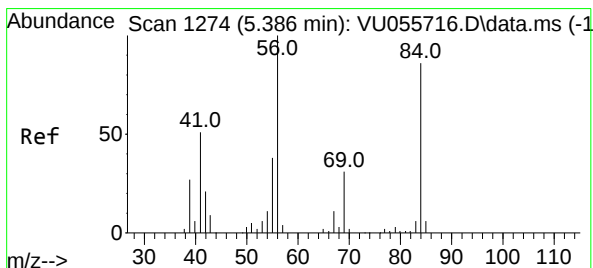
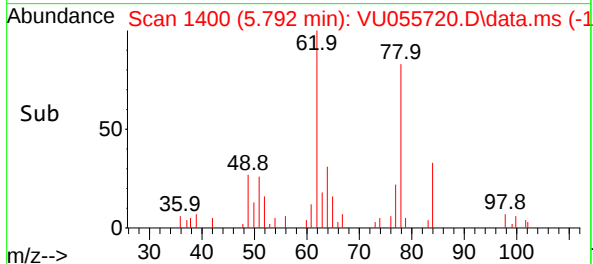
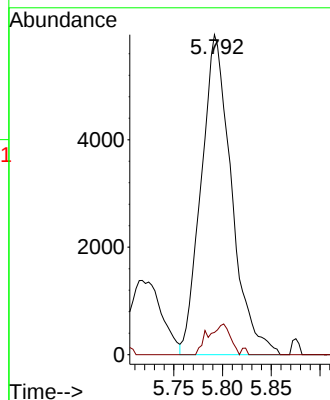
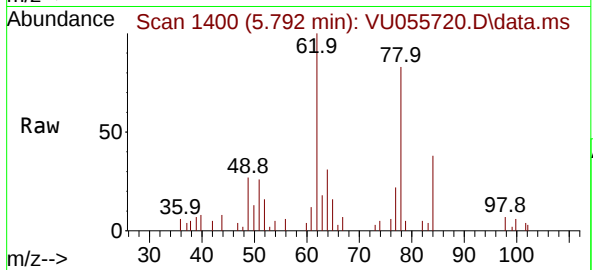
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 62 Resp: 1285
Ion Ratio Lower Upper
62 100
98 7.0 7.2 10.8

Manual Integrations
APPROVED

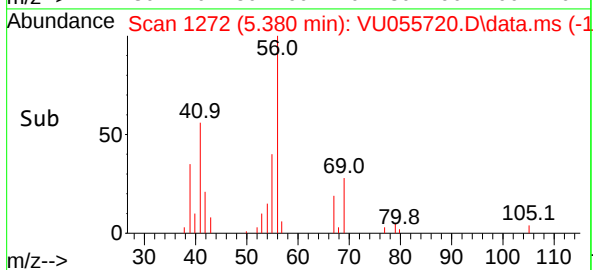
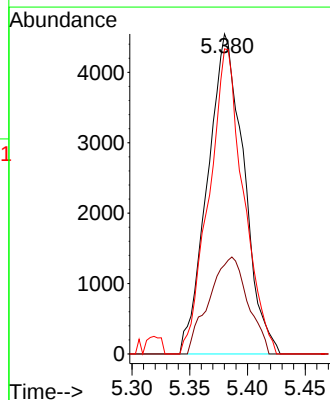
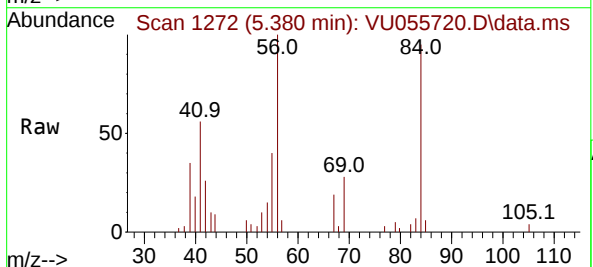
Reviewed By :John
Carlone
10/11/2023

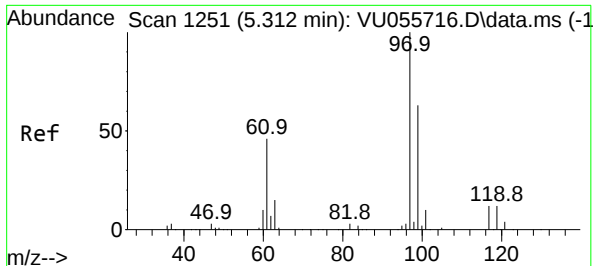
Supervised By :Mahesh
Dadoda
10/11/2023



#29
Cyclohexane
Concen: 2.239 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.006 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 56 Resp: 9935
Ion Ratio Lower Upper
56 100
69 32.3 24.9 37.3
84 90.5 70.7 106.1





#30

1,1,1-Trichloroethane

Concen: 2.513 ug/L

RT: 5.316 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 97	Resp: 1256
Ion Ratio	Lower Upper
97 100	
99 59.4	51.6 77.4
61 42.1	36.8 55.2

Manual Integrations

APPROVED

Reviewed By :John

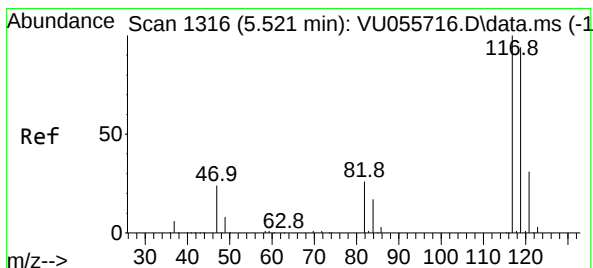
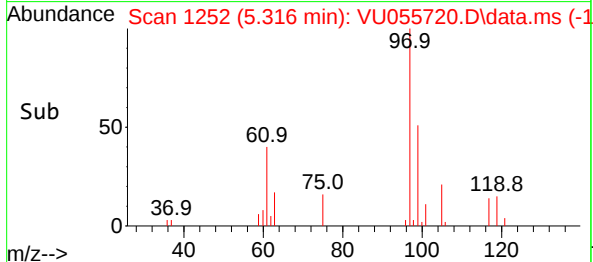
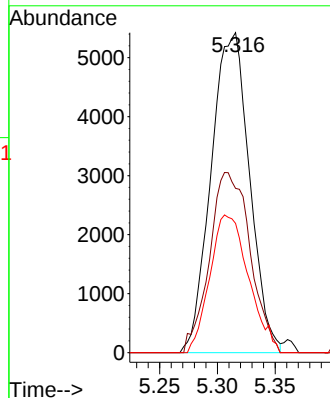
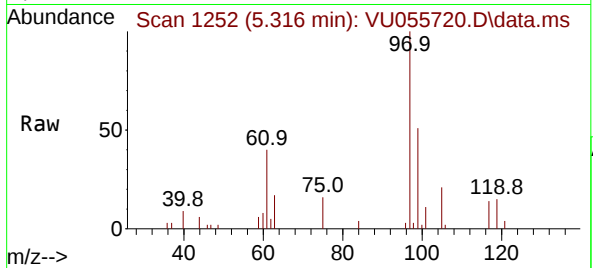
Carlone

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Supervised By :Mahesh

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#31

Carbon tetrachloride

Concen: 2.589 ug/L

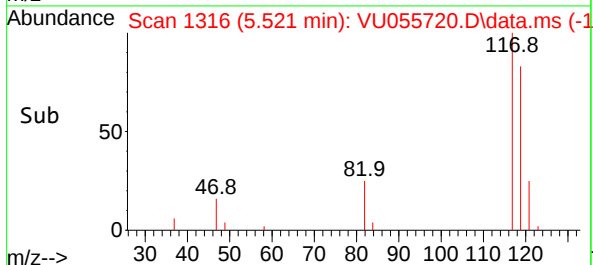
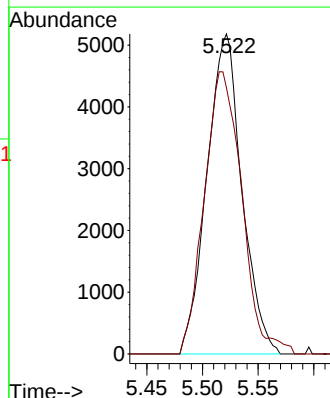
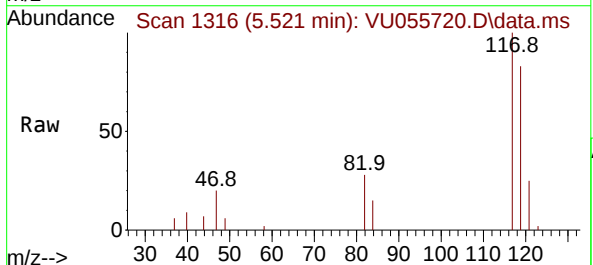
RT: 5.521 min Scan# 1316

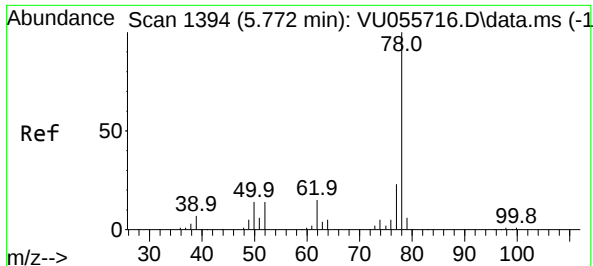
Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion: 117	Resp: 11332
Ion Ratio	Lower Upper
117 100	
119 92.2	75.4 113.0





#33
Benzene
Concen: 2.410 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

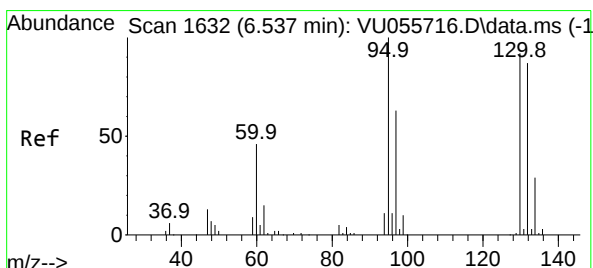
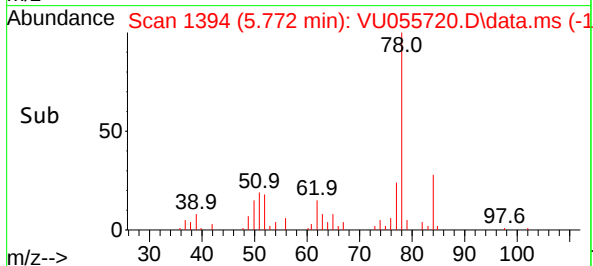
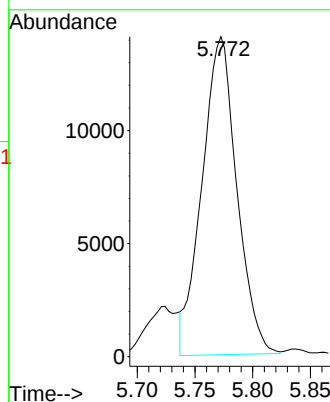
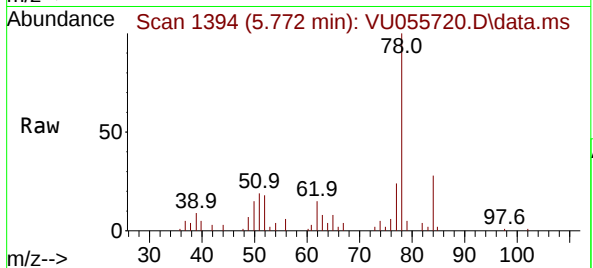
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 78 Resp: 2948

Manual Integrations
APPROVED

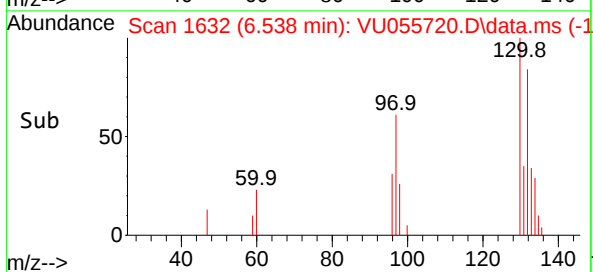
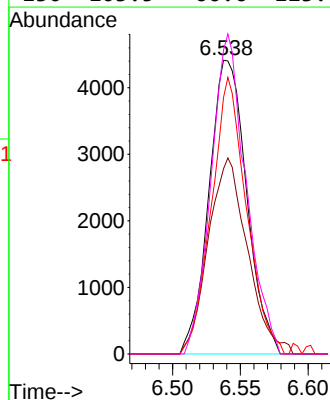
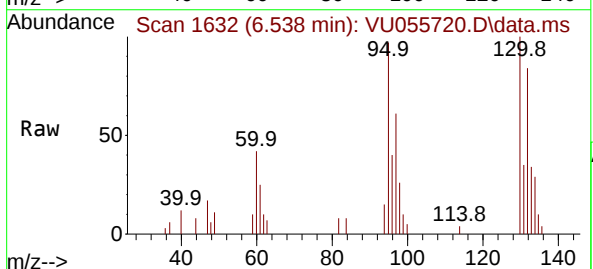
Reviewed By :John
Carlone
10/11/2023

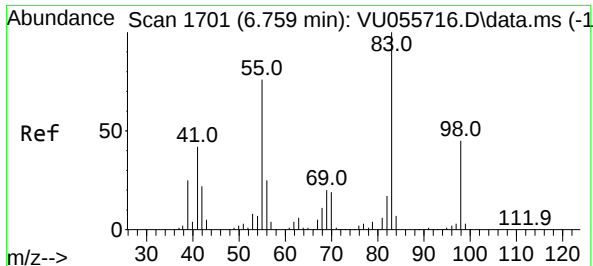
Supervised By :Mahesh
Dadoda
10/11/2023



#34
Trichloroethene
Concen: 2.543 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 95 Resp: 8514
Ion Ratio Lower Upper
95 100
97 63.1 44.4 82.5
132 87.4 61.8 114.8
130 103.5 66.6 123.8





#35

Methylcyclohexane

Concen: 2.338 ug/L

RT: 6.759 min Scan# 1710

Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion: 83	Resp: 1135
Ion Ratio	Lower Upper
83	100
55	72.8 61.2 91.8
98	44.9 35.8 53.6

Manual Integrations
APPROVED

Reviewed By :John

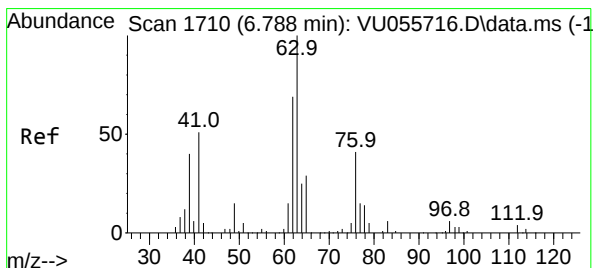
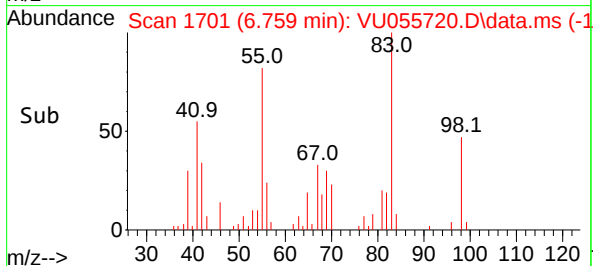
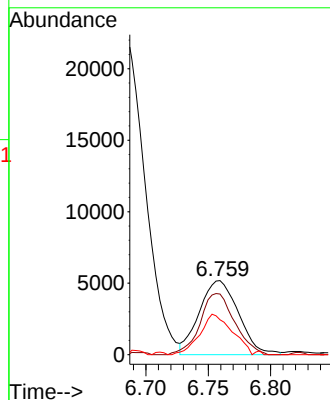
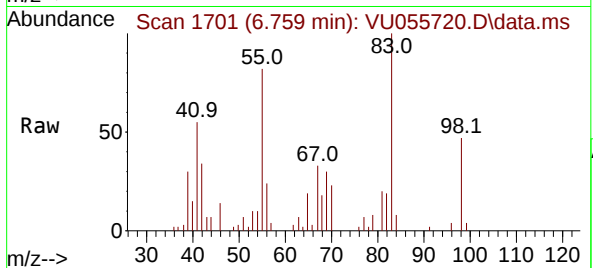
Carlone

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Supervised By :Mahesh

Dadoda

10/11/2023



#37

1,2-Dichloropropane

Concen: 2.326 ug/L

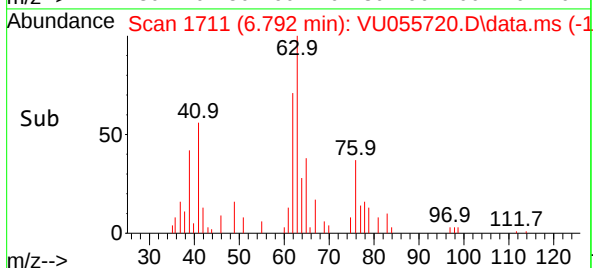
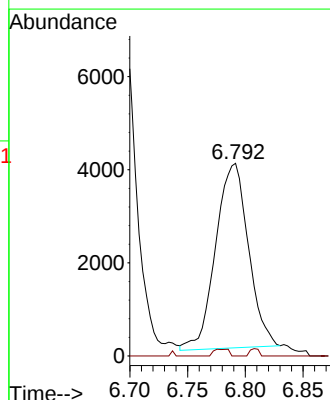
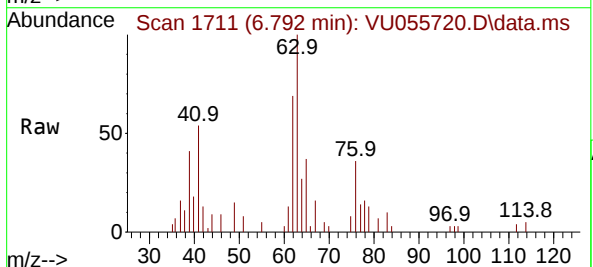
RT: 6.792 min Scan# 1711

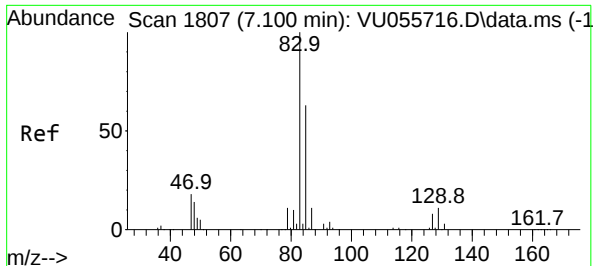
Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion: 63	Resp: 7837
Ion Ratio	Lower Upper
63	100
112	0.7 3.0 4.4#





#38

Bromodichloromethane

Concen: 2.415 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion:	83	Resp:	10730
Ion	Ratio	Lower	Upper
83	100		
85	58.5	46.0	85.4
127	10.1	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :John

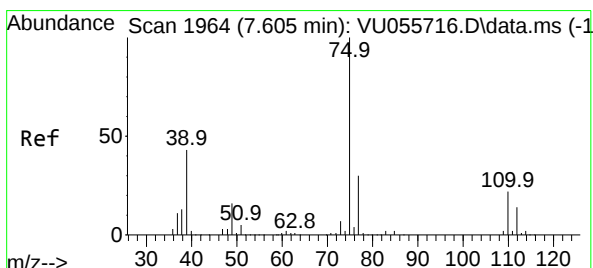
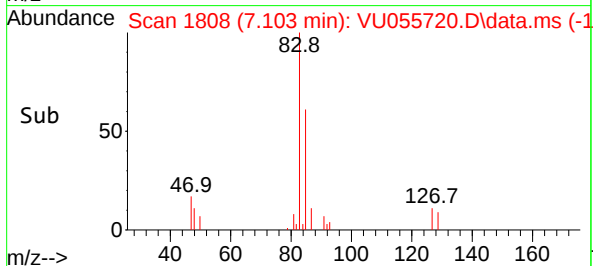
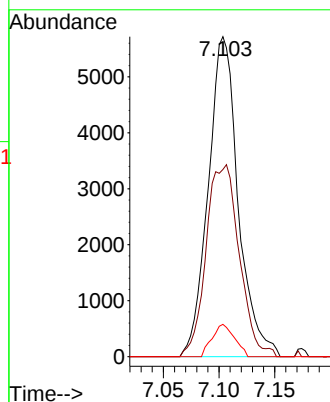
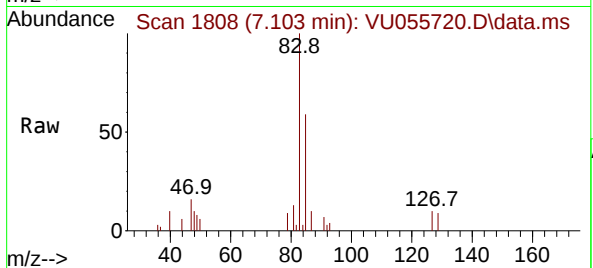
Carlone

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Supervised By :Mahesh

Dadoda

10/11/2023



#39

cis-1,3-Dichloropropene

Concen: 2.381 ug/L

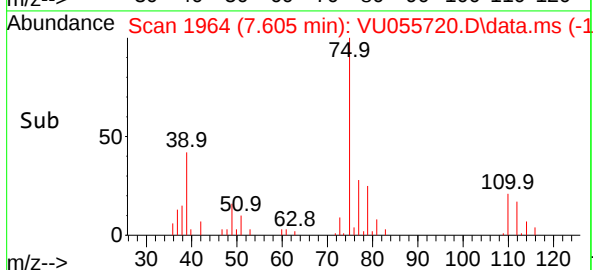
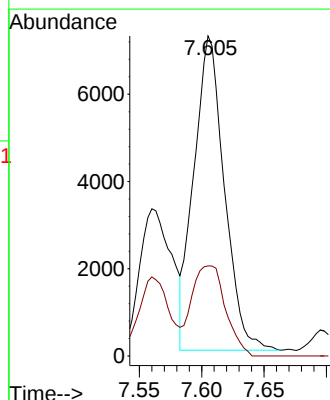
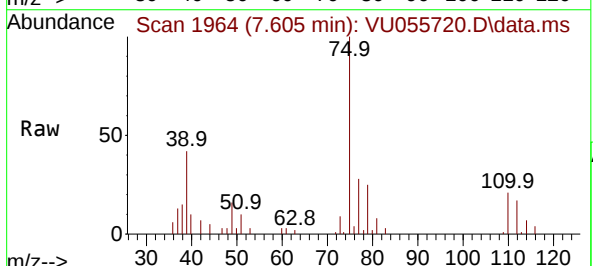
RT: 7.605 min Scan# 1964

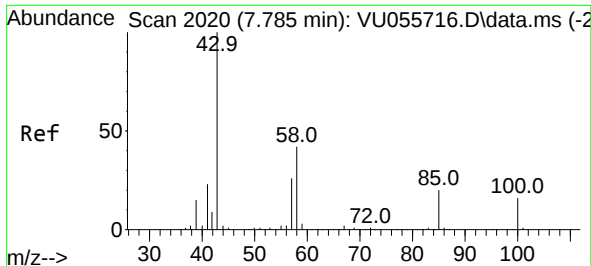
Delta R.T. 0.000 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Tgt Ion:	75	Resp:	12208
Ion	Ratio	Lower	Upper
75	100		
77	28.2	21.7	40.3





#40

4-Methyl-2-pentanone

Concen: 5.300 ug/L

RT: 7.795 min Scan# 2020

Delta R.T. 0.010 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion:	43	Resp:	2484
Ion Ratio	Lower	Upper	
43	100		
58	38.7	32.3	48.5
100	15.2	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :John

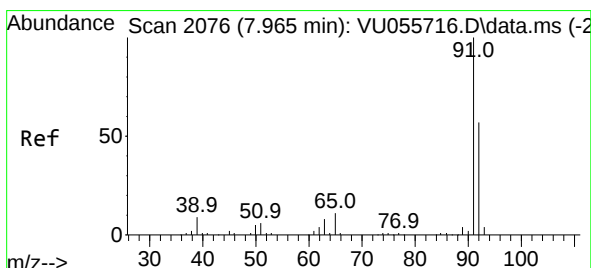
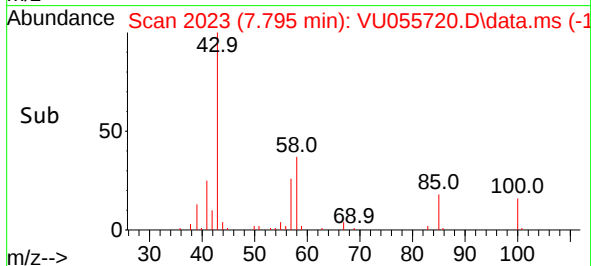
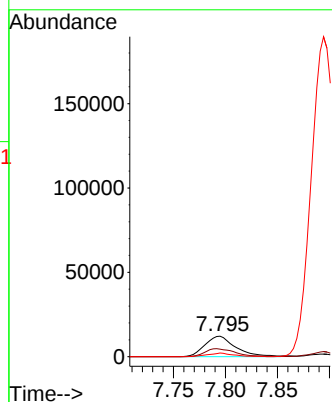
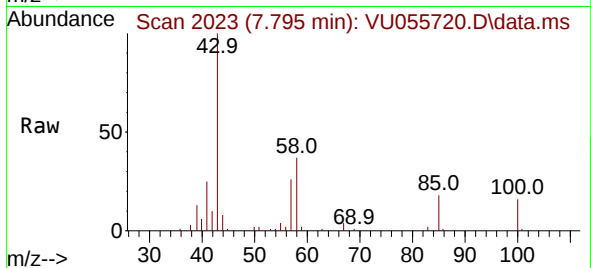
Carlone

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Supervised By :Mahesh

Dadoda

10/11/2023



#42

Toluene

Concen: 2.482 ug/L

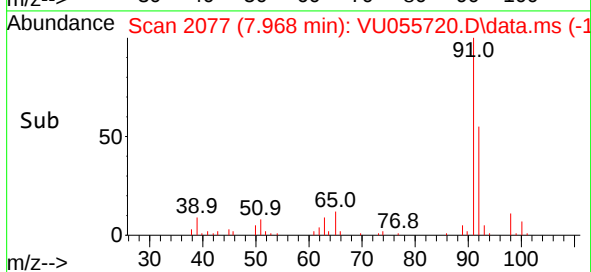
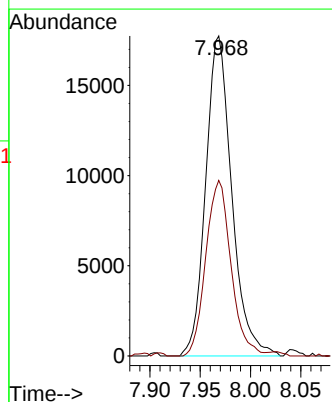
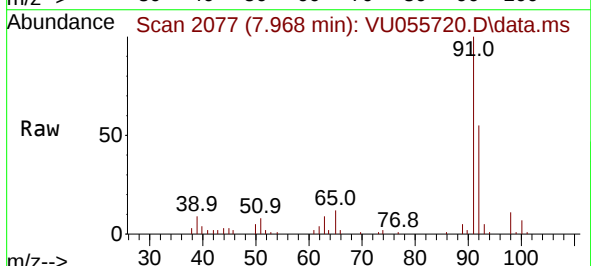
RT: 7.968 min Scan# 2077

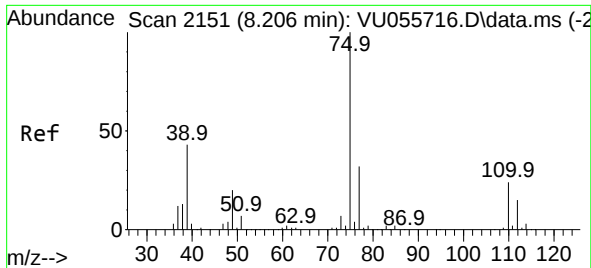
Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

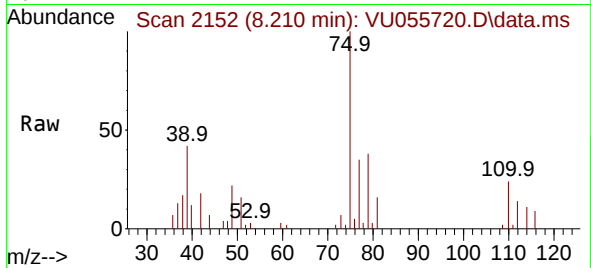
Tgt Ion:	91	Resp:	32042
Ion Ratio	Lower	Upper	
91	100		
92	54.9	40.0	74.4





#44
trans-1,3-Dichloropropene
Concen: 2.603 ug/L m
RT: 8.210 min Scan# 2151
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

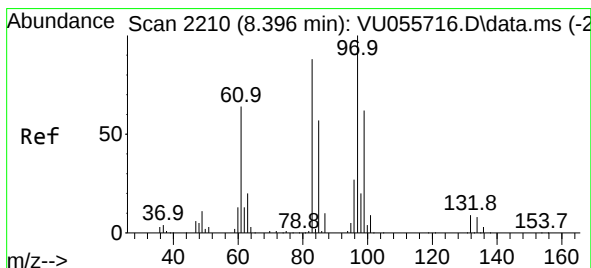
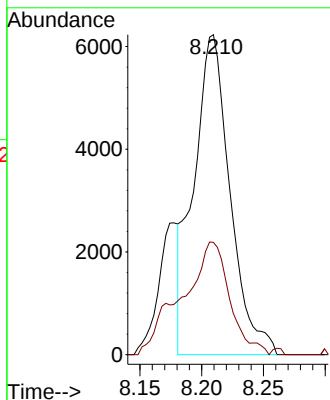
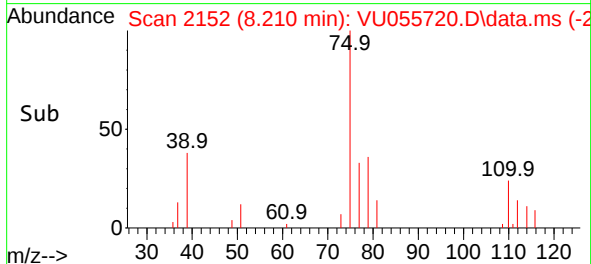


Tgt Ion: 75 Resp: 12768
Ion Ratio Lower Upper
75 100
77 35.1 21.6 40.2

Manual Integrations
APPROVED

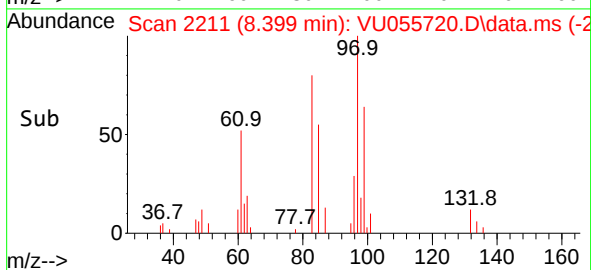
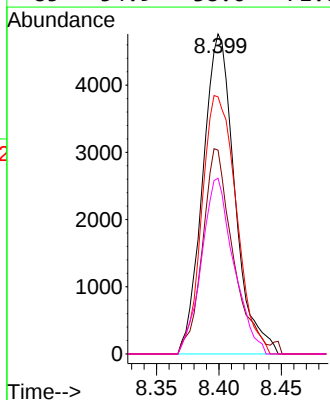
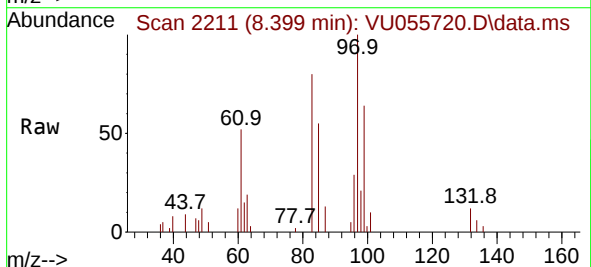
Reviewed By :John
Carlone
10/11/2023

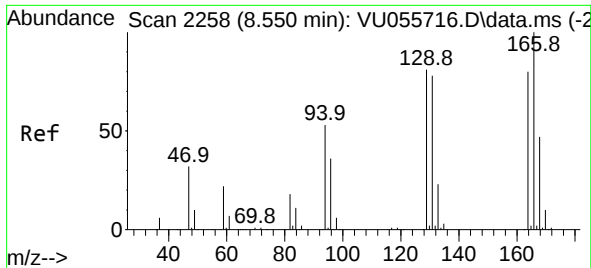
Supervised By :Mahesh
Dadoda
10/11/2023



#45
1,1,2-Trichloroethane
Concen: 2.561 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

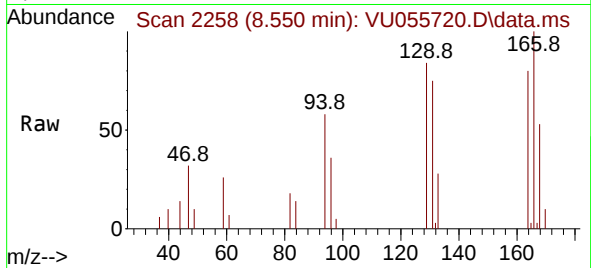
Tgt Ion: 97 Resp: 8508
Ion Ratio Lower Upper
97 100
99 63.7 44.4 82.5
83 80.3 60.4 112.2
85 54.9 38.6 71.8





#46
Tetrachloroethene
Concen: 2.258 ug/L
RT: 8.550 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

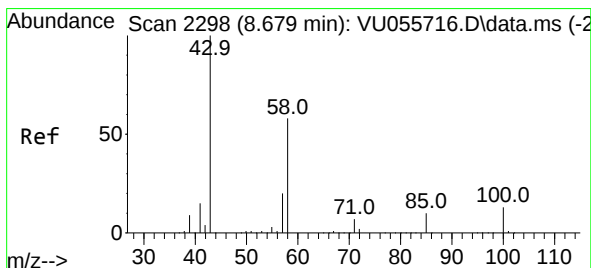
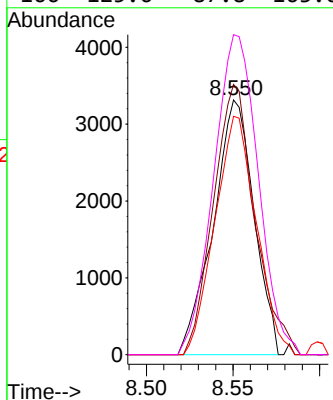


Tgt Ion:164 Resp: 541
Ion Ratio Lower Upper
164 100
129 106.1 70.7 131.3
131 93.6 65.9 122.5
166 125.6 87.8 163.0

Manual Integrations
APPROVED

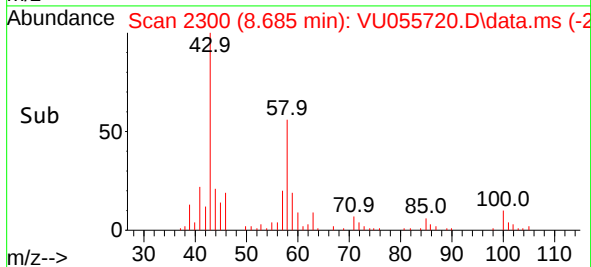
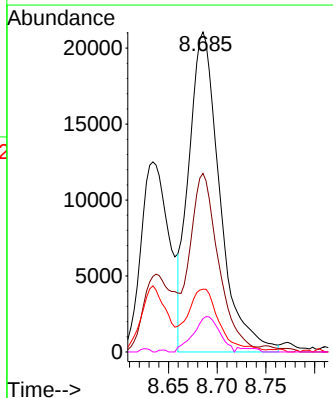
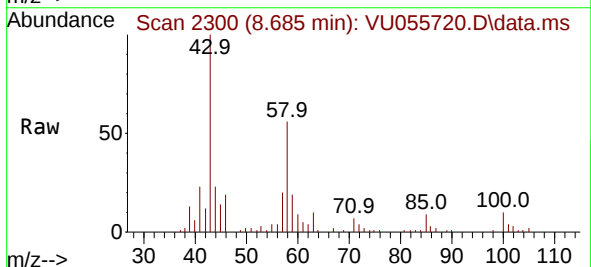
Reviewed By :John
Carlone
10/11/2023

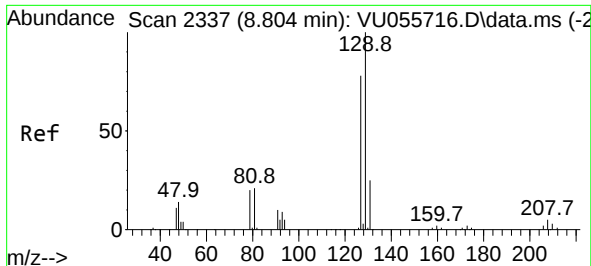
Supervised By :Mahesh
Dadoda
10/11/2023



#48
2-Hexanone
Concen: 11.800 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.007 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

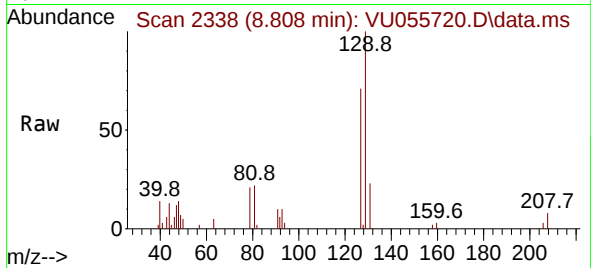
Tgt Ion: 43 Resp: 46724
Ion Ratio Lower Upper
43 100
58 50.7 45.2 67.8
57 16.3 16.1 24.1
100 9.3 9.7 14.5#





#49
Dibromochloromethane
Concen: 2.484 ug/L
RT: 8.808 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

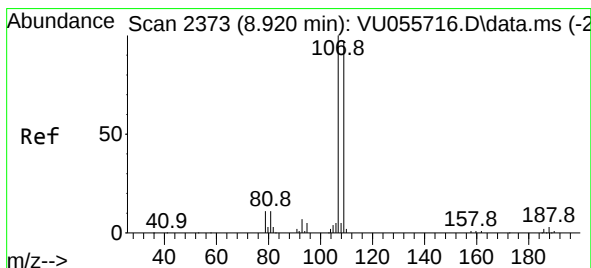
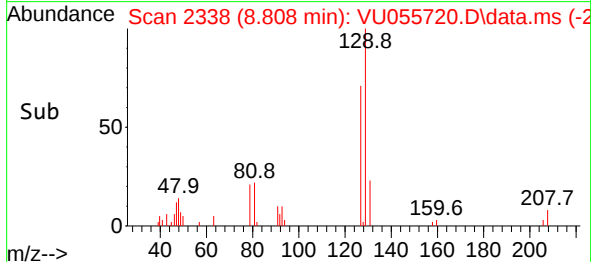
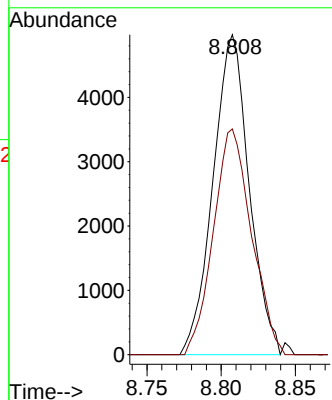


Tgt Ion:129 Resp: 843
Ion Ratio Lower Upper
129 100
127 70.6 54.0 100.4

Manual Integrations
APPROVED

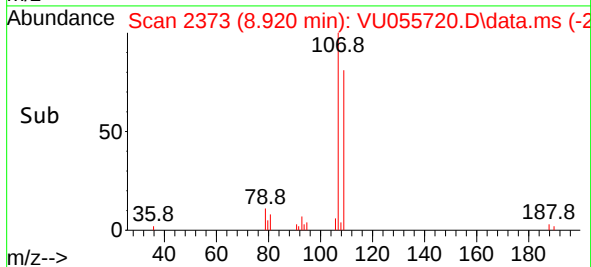
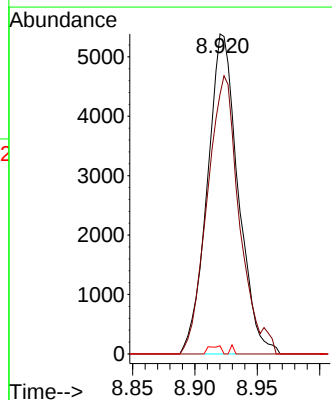
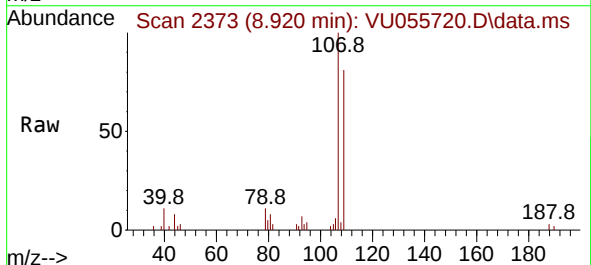
Reviewed By :John
Carlone
10/11/2023

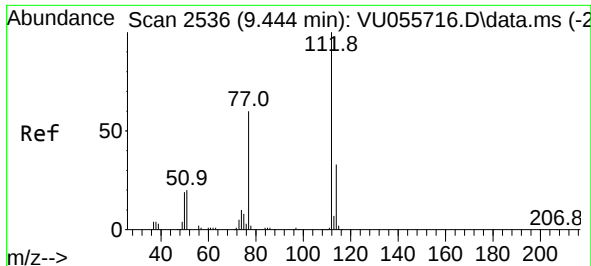
Supervised By :Mahesh
Dadoda
10/11/2023



#50
1,2-Dibromoethane
Concen: 2.600 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

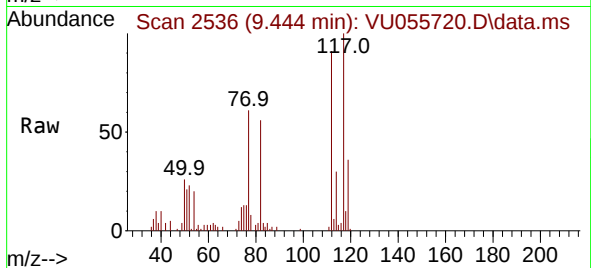
Tgt Ion:107 Resp: 9277
Ion Ratio Lower Upper
107 100
109 81.2 66.7 123.9
188 2.5 2.6 4.0#





#51
Chlorobenzene
Concen: 2.373 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

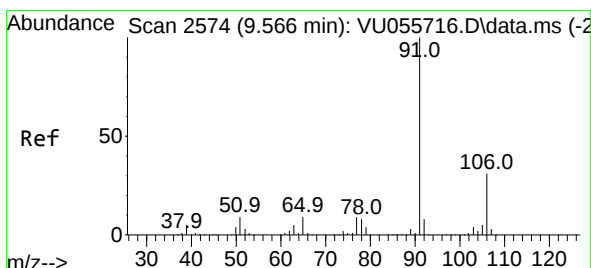
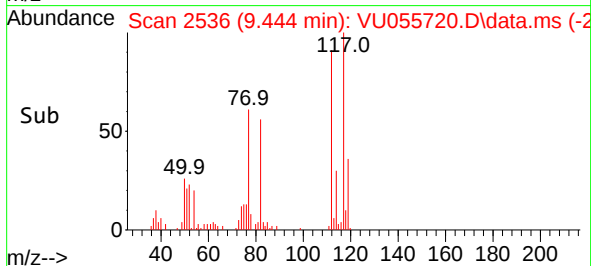
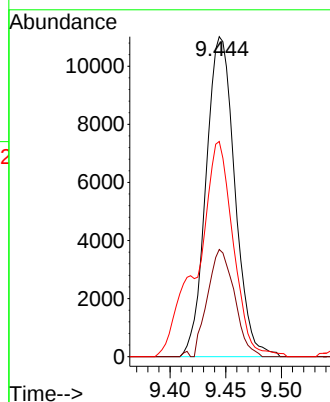


Tgt Ion: 112 Resp: 19820
Ion Ratio Lower Upper
112 100
114 36.6 22.0 40.8
77 67.2 49.0 73.6

Manual Integrations
APPROVED

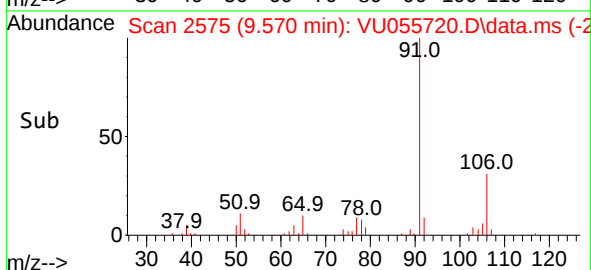
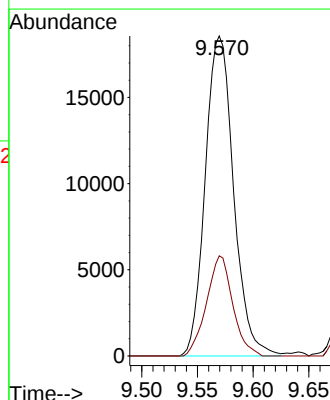
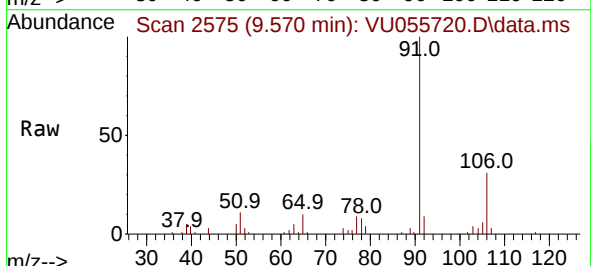
Reviewed By :John
Carlone
10/11/2023

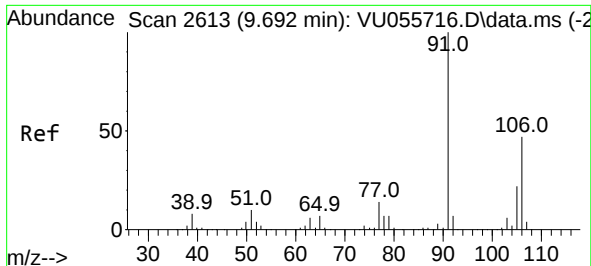
Supervised By :Mahesh
Dadoda
10/11/2023



#52
Ethylbenzene
Concen: 2.330 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 91 Resp: 32888
Ion Ratio Lower Upper
91 100
106 31.3 21.2 39.4





#53
m,p-Xylene
Concen: 2.287 ug/L
RT: 9.695 min Scan# 2109
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

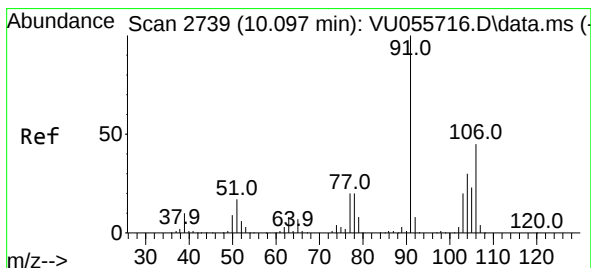
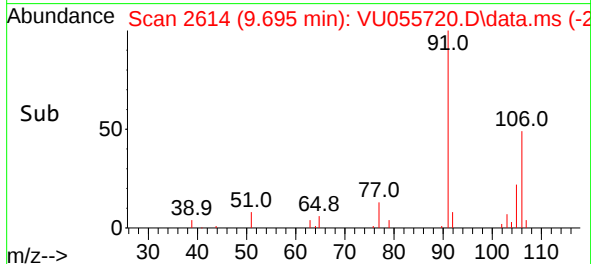
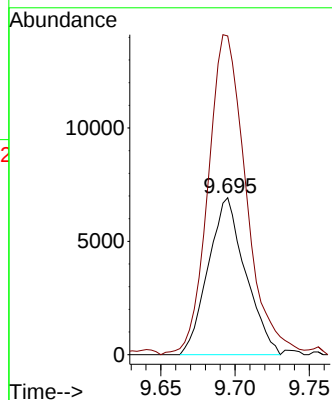
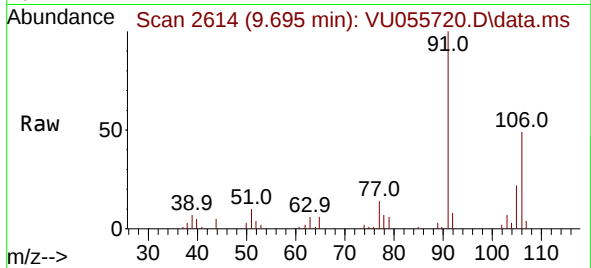
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Tgt Ion:106 Resp: 1209
Ion Ratio Lower Upper
106 100
91 187.5 143.8 267.0

Manual Integrations
APPROVED

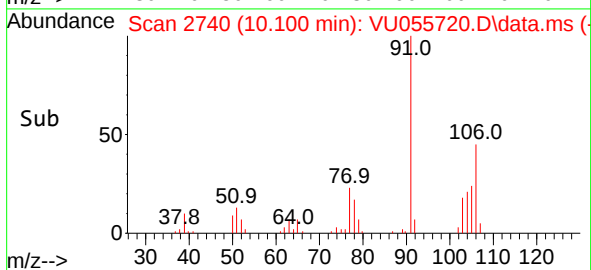
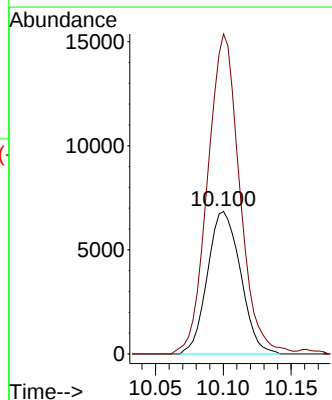
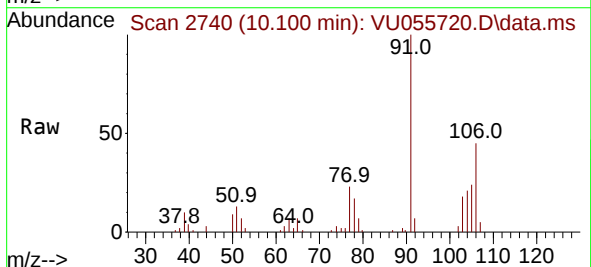
Reviewed By :John
Carlone
10/11/2023

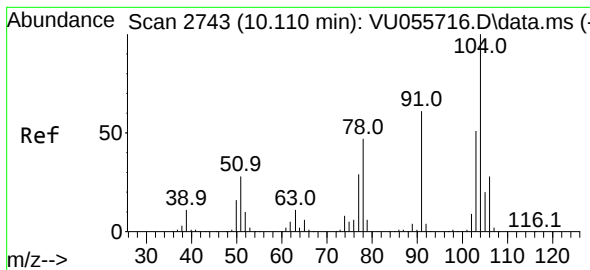
Supervised By :Mahesh
Dadoda
10/11/2023



#54
o-Xylene
Concen: 2.271 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion:106 Resp: 11622
Ion Ratio Lower Upper
106 100
91 224.4 151.8 282.0





#55

Styrene

Concen: 2.105 ug/L

RT: 10.116 min Scan# 21

Delta R.T. 0.007 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2023-07

Tgt Ion:104 Resp: 18240

Ion Ratio Lower Upper

104 100

78 53.3 33.6 62.4

Manual Integrations

APPROVED

Reviewed By :John

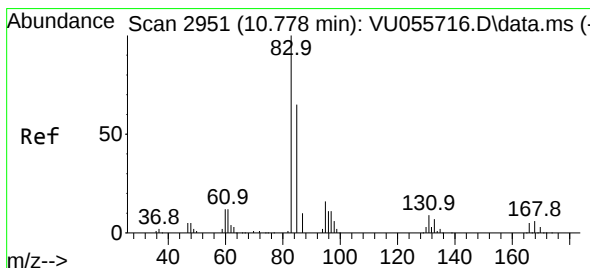
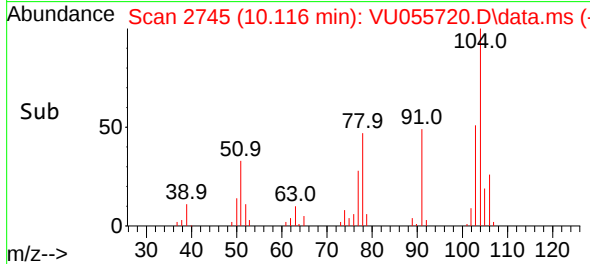
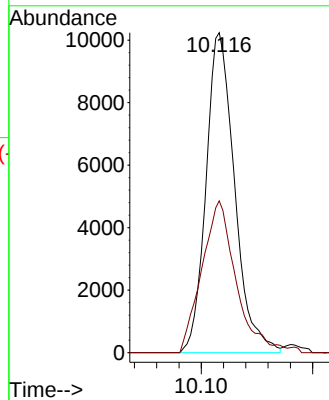
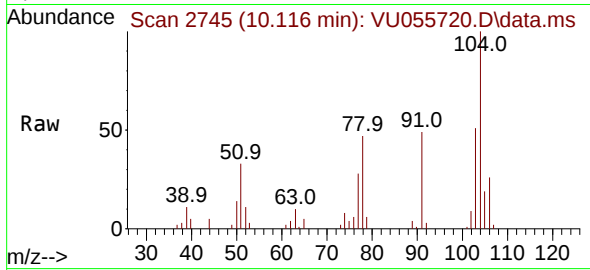
Carlone

10/11/2023

Supervised By :Mahesh

Dadoda

10/11/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 3.229 ug/L

RT: 10.782 min Scan# 2952

Delta R.T. 0.003 min

Lab File: VU055720.D

Acq: 10 Oct 2023 14:46

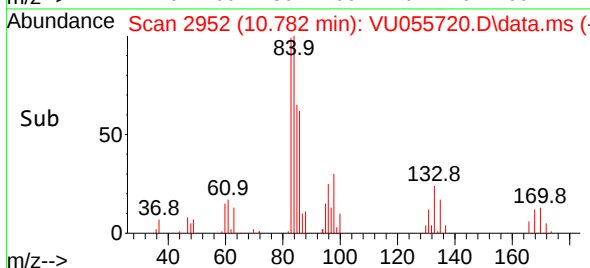
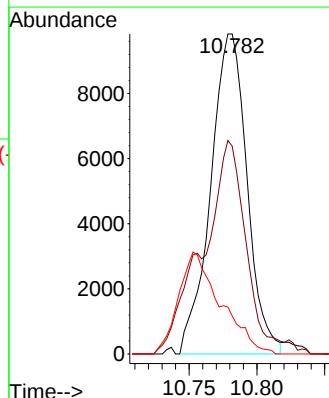
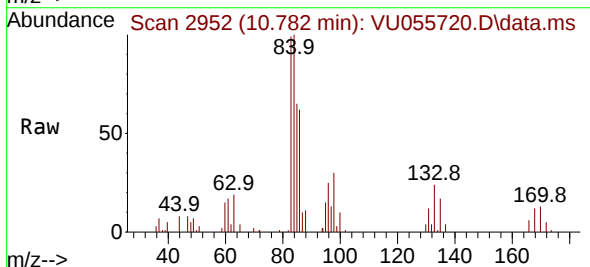
Tgt Ion: 83 Resp: 18369

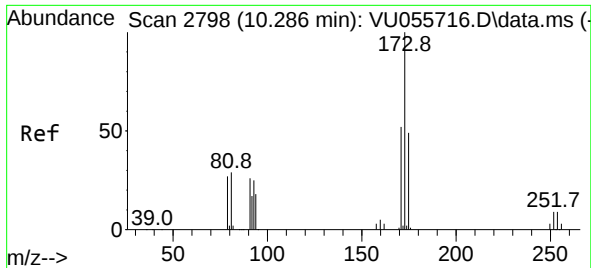
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

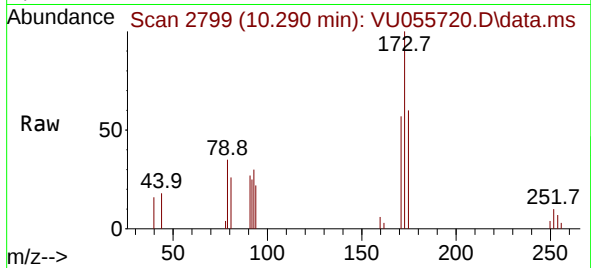
131 11.9 7.3 10.9#





#59
Bromoform
Concen: 2.627 ug/L
RT: 10.290 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

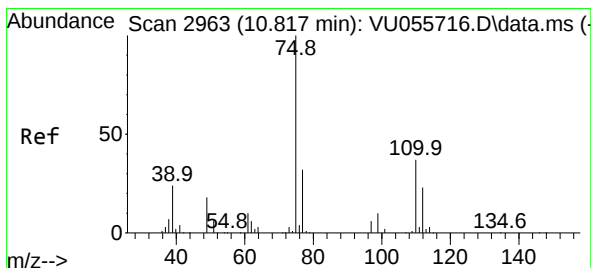
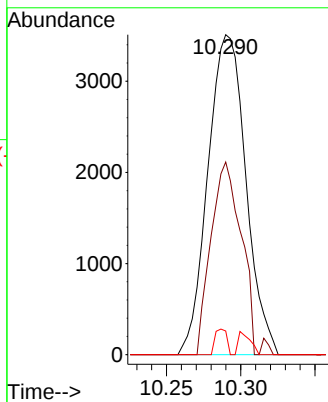
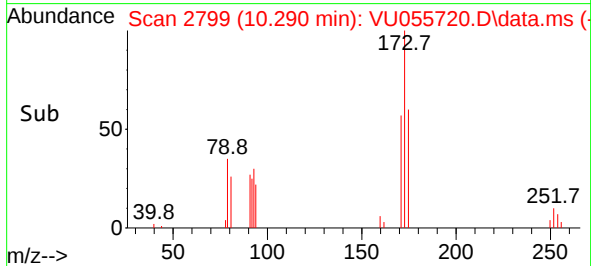


Tgt Ion:173 Resp: 6240
Ion Ratio Lower Upper
173 100
175 47.8 40.4 60.6
254 2.5 7.3 10.9

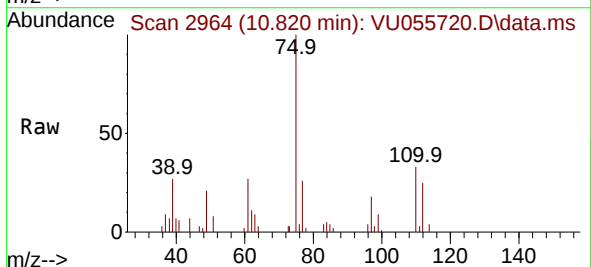
Manual Integrations
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Reviewed By :John
Carlone
10/11/2023

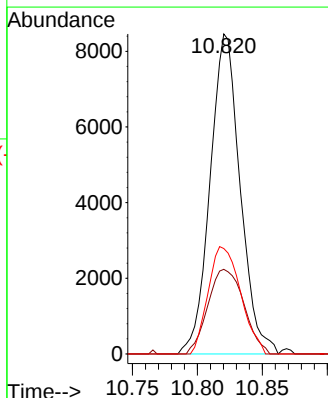
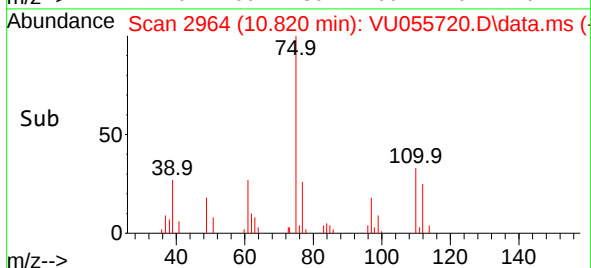
Supervised By :Mahesh
Dadoda
10/11/2023

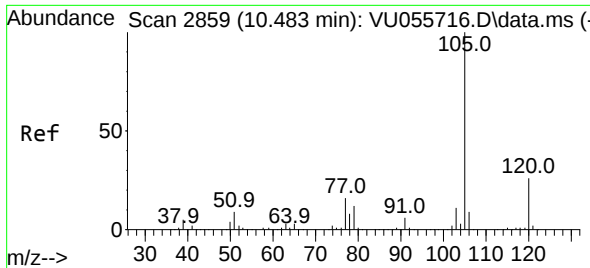


#60
1,2,3-Trichloropropane
Concen: 3.247 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46



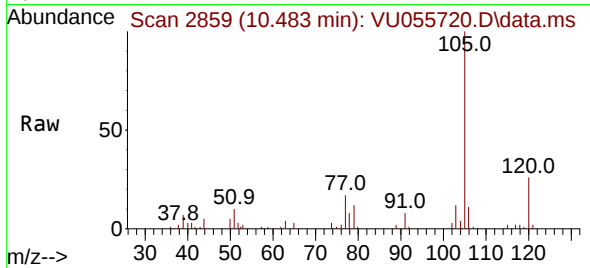
Tgt Ion: 75 Resp: 13611
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8
110 36.2 28.5 42.7





#61
Isopropylbenzene
Concen: 2.328 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

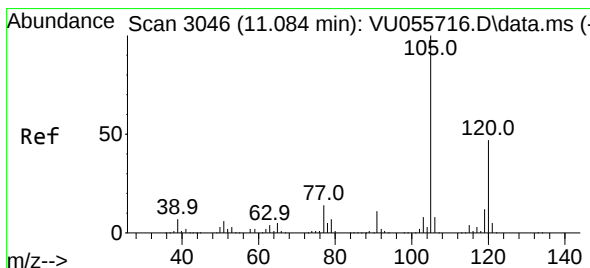
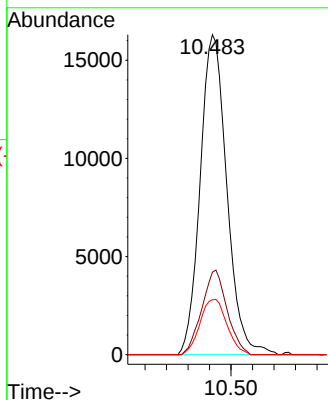


Tgt Ion:105 Resp: 28028
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8
77 17.4 13.4 20.0

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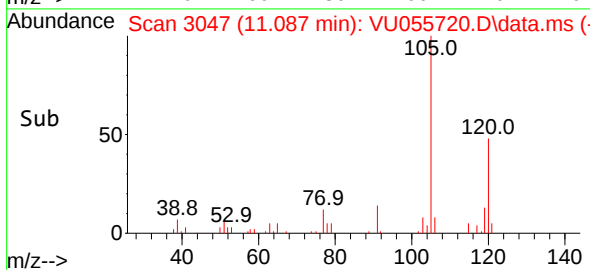
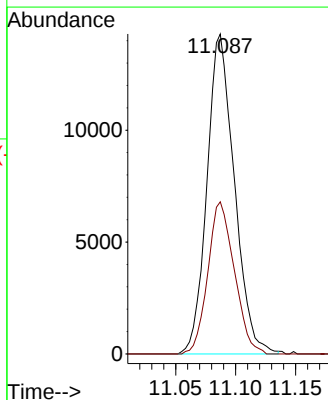
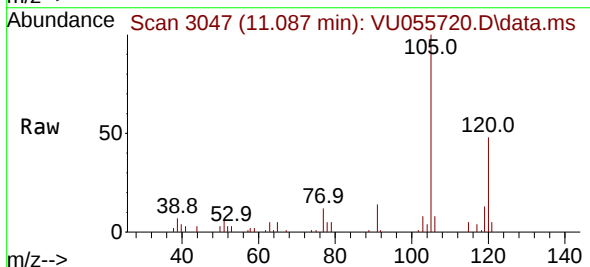
Reviewed By :John
Carlone
10/11/2023

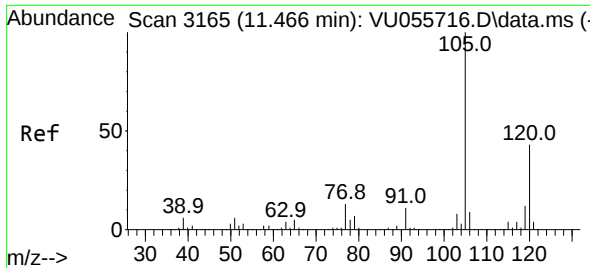
Supervised By :Mahesh
Dadoda
10/11/2023



#62
1,3,5-Trimethylbenzene
Concen: 2.331 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Tgt Ion:105 Resp: 22712
Ion Ratio Lower Upper
105 100
120 45.9 37.7 56.5





#63
1,2,4-Trimethylbenzene
Concen: 2.205 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

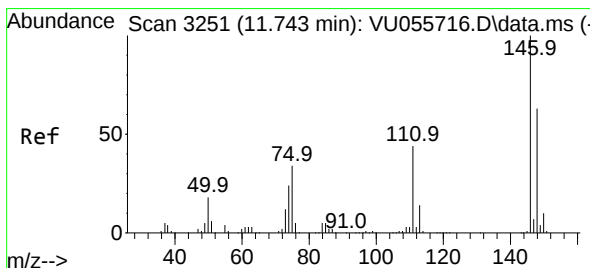
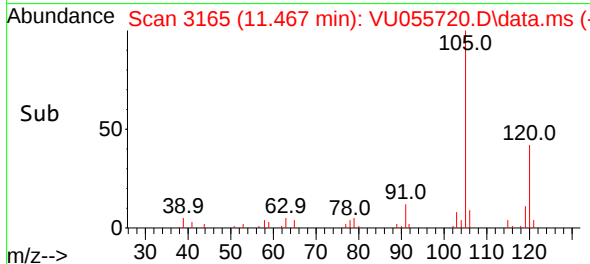
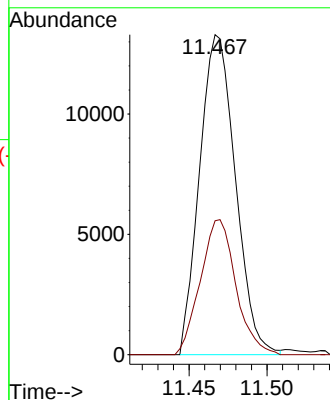
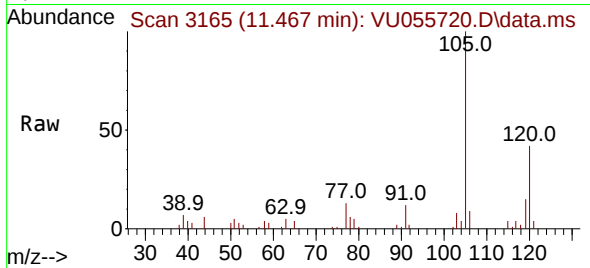
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 2124
Ion Ratio Lower Upper
105 100
120 41.8 35.0 52.4

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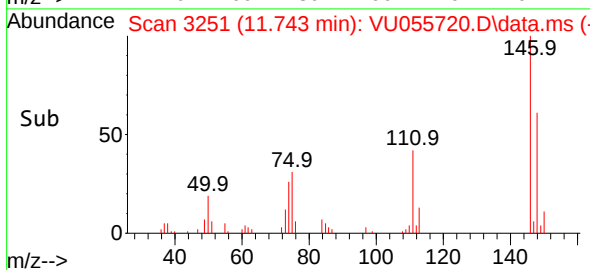
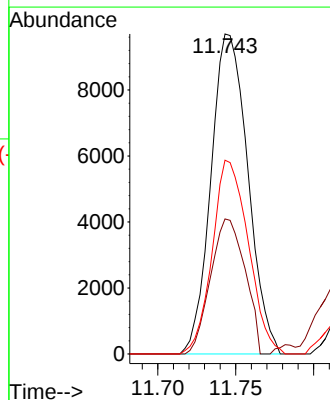
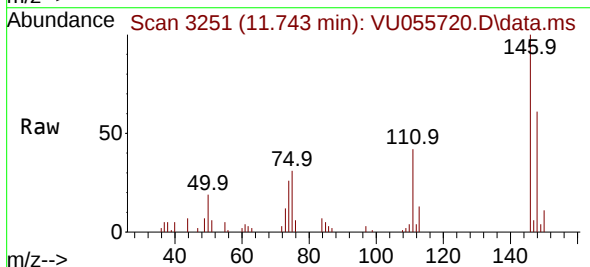
Reviewed By :John
Carlone
10/11/2023

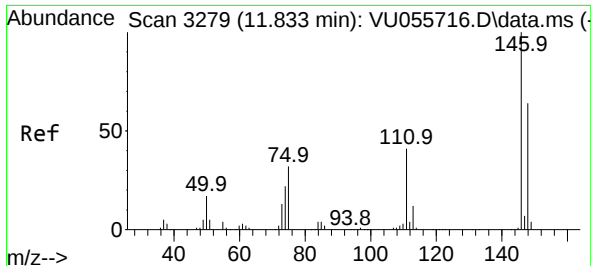
Supervised By :Mahesh
Dadoda
10/11/2023



#64
1,3-Dichlorobenzene
Concen: 2.684 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

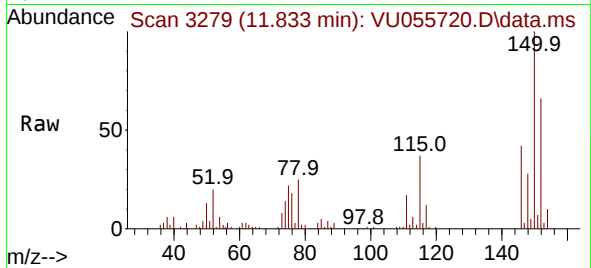
Tgt Ion:146 Resp: 15979
Ion Ratio Lower Upper
146 100
111 42.2 29.7 55.1
148 60.5 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 2.710 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

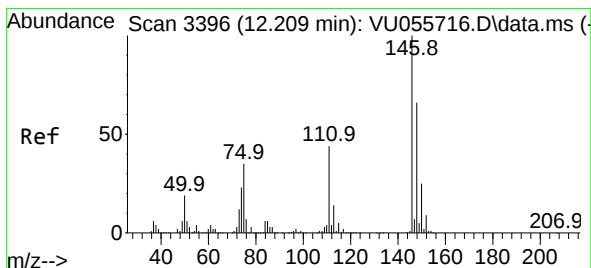
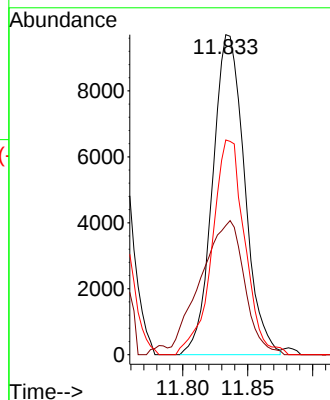


Tgt Ion:146 Resp: 1658
Ion Ratio Lower Upper
146 100
111 38.0 28.6 53.0
148 75.1 44.2 82.0

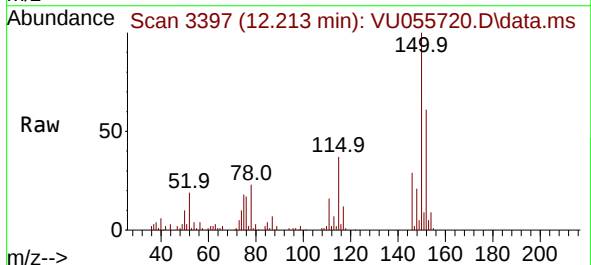
Manual Integrations
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Reviewed By :John
Carlone
10/11/2023

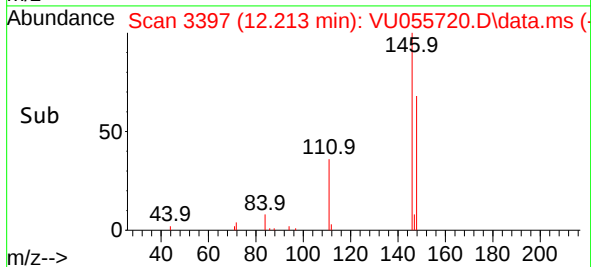
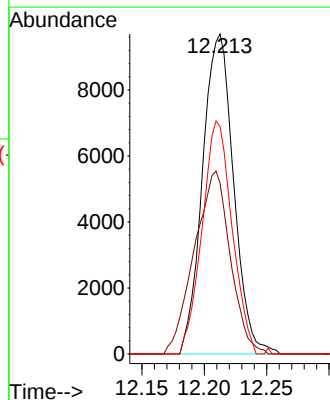
Supervised By :Mahesh
Dadoda
10/11/2023

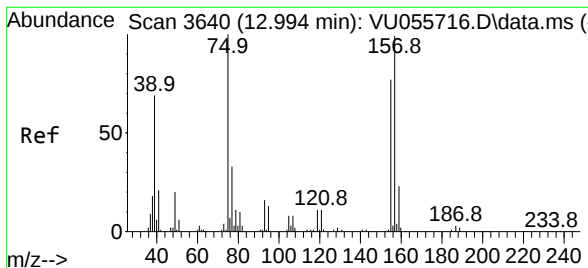


#67
1,2-Dichlorobenzene
Concen: 2.851 ug/L
RT: 12.213 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46



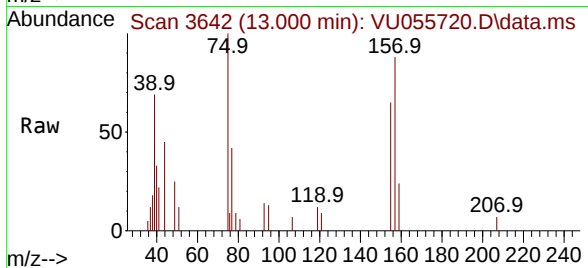
Tgt Ion:146 Resp: 16845
Ion Ratio Lower Upper
146 100
111 53.3 35.2 52.8#
148 71.1 52.3 78.5





#68
1,2-Dibromo-3-chloropropane
Concen: 2.500 ug/L
RT: 13.000 min Scan# 3011
Delta R.T. 0.007 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

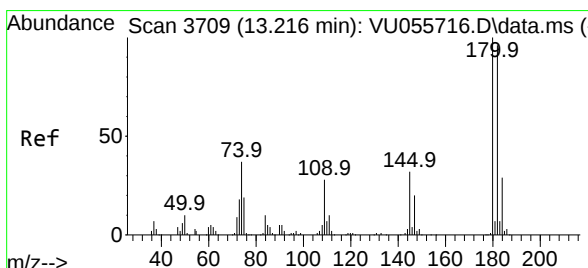
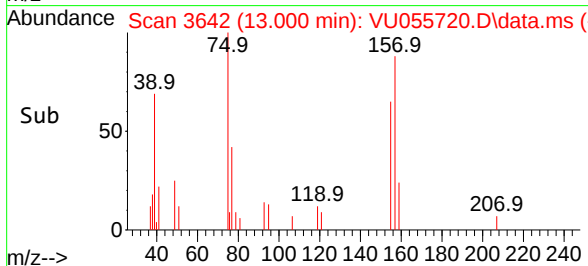
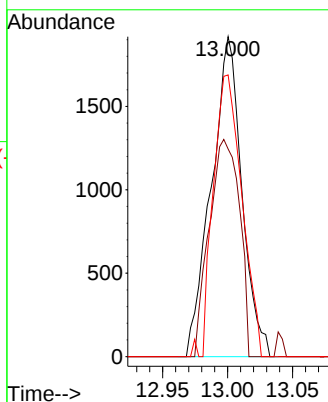


Tgt Ion: 75 Resp: 313
Ion Ratio Lower Upper
75 100
155 59.3 59.6 89.4
157 80.4 77.7 116.5

Manual Integrations
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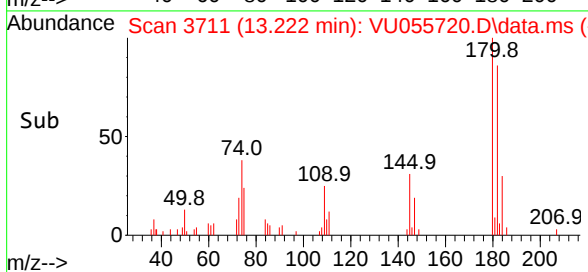
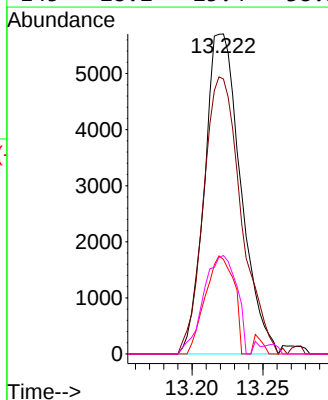
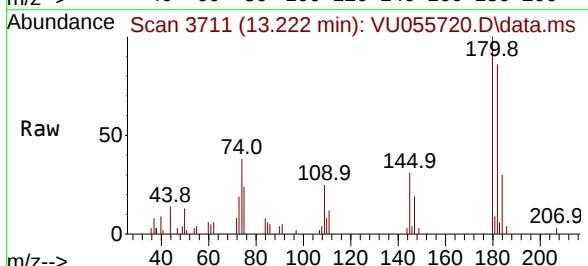
Reviewed By :John
Carlone
10/11/2023

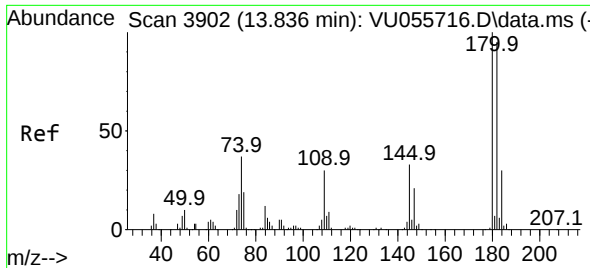
Supervised By :Mahesh
Dadoda
10/11/2023



#69
1,3,5-Trichlorobenzene
Concen: 2.555 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.007 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

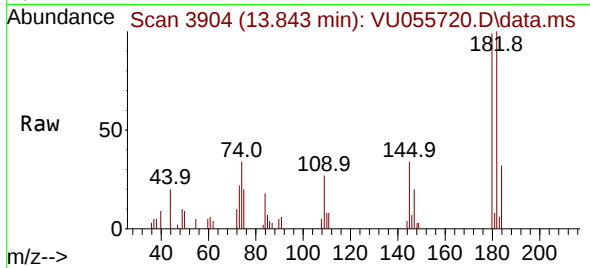
Tgt Ion:180 Resp: 10144
Ion Ratio Lower Upper
180 100
182 89.6 76.2 114.2
184 24.2 23.9 35.9
145 28.2 25.4 38.2





#70
1,2,4-trichlorobenzene
Concen: 2.644 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

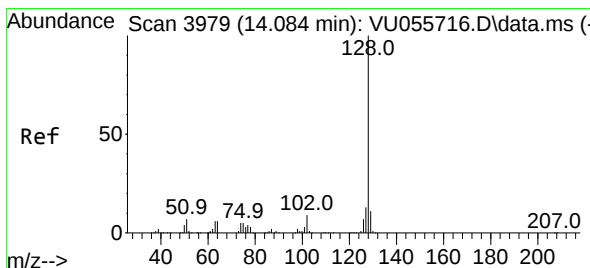
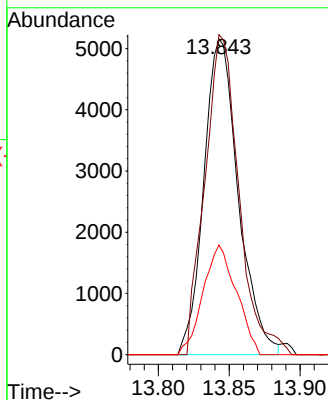
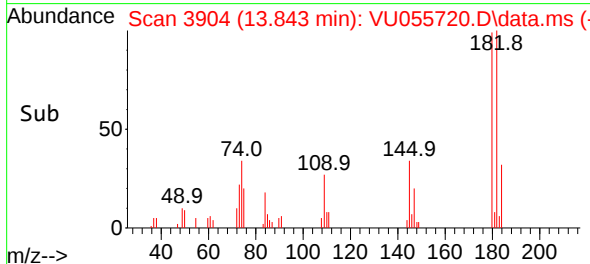


Tgt Ion:180 Resp: 8740
Ion Ratio Lower Upper
180 100
182 99.5 75.4 113.2
145 33.5 26.1 39.1

Manual Integrations
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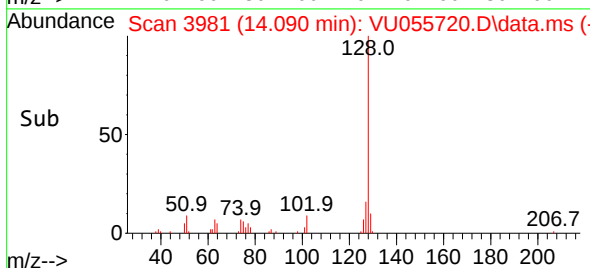
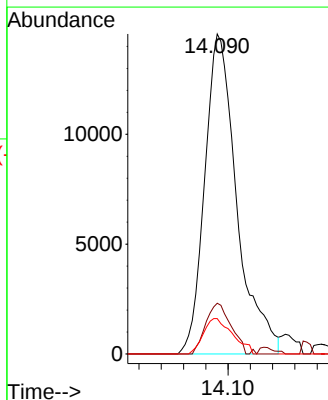
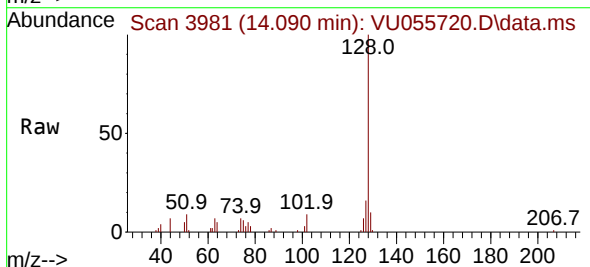
Reviewed By :John
Carlone
10/11/2023

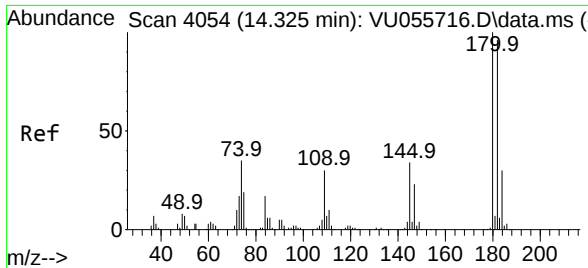
Supervised By :Mahesh
Dadoda
10/11/2023



#71
Naphthalene
Concen: 2.968 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU055720.D
Acq: 10 Oct 2023 14:46

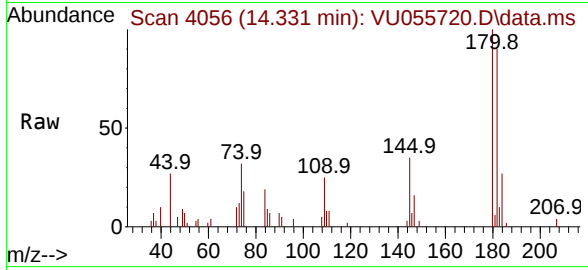
Tgt Ion:128 Resp: 29155
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 9.8 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.749 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.007 min
 Lab File: VU055720.D
 Acq: 10 Oct 2023 14:46

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07



Tgt Ion:	180	Resp:	8964
Ion Ratio	Lower	Upper	
180	100		
182	89.6	78.1	117.1
145	32.6	27.4	41.0

Manual Integrations
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Reviewed By :John
 Carlone
 10/11/2023

Supervised By :Mahesh
 Dadoda
 10/11/2023

