

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053589.D
 Acq On : 06 Apr 2023 12:54
 Operator : JC/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 07 03:45:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	250684	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124390	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96954	49.670	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.340%		
7) Chloroethane-d5	1.909	69	78087	51.884	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.760%		
11) 1,1-Dichloroethene-d2	2.565	63	116086	38.419	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.840%		
21) 2-Butanone-d5	4.613	46	104424	118.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.160%		
24) Chloroform-d	5.057	84	155028	48.023	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.040%		
26) 1,2-Dichloroethane-d4	5.697	65	103863	54.448	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.900%		
32) Benzene-d6	5.723	84	320912	50.141	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.280%		
36) 1,2-Dichloropropane-d6	6.687	67	101661	51.968	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.940%		
41) Toluene-d8	7.893	98	305593	48.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.080%		
43) trans-1,3-Dichloroprop...	8.176	79	49092	48.616	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.240%		
47) 2-Hexanone-d5	8.629	63	76827	115.073	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141846	51.445	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.900%		
66) 1,2-Dichlorobenzene-d4	12.188	152	121029	46.613	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	3681	1.809	ug/L	96
3) Chloromethane	1.520	50	4049	2.422	ug/L	97
5) Vinyl chloride	1.604	62	4541	2.344	ug/L #	61
6) Bromomethane	1.851	94	2984	2.117	ug/L	91
8) Chloroethane	1.932	64	2761	2.369	ug/L	95
9) Trichlorofluoromethane	2.137	101	5757	1.932	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	4098	2.374	ug/L #	79
12) 1,1-Dichloroethene	2.572	96	4058	2.638	ug/L #	1
13) Acetone	2.623	43	3055	3.846	ug/L	78
14) Carbon disulfide	2.790	76	7798	1.916	ug/L	96
15) Methyl Acetate	2.945	43	2859	2.350	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	3378m	2.185	ug/L	
18) Methyl tert-butyl Ether	3.359	73	8929	1.982	ug/L	94
19) 1,1-Dichloroethane	3.870	63	5072	1.981	ug/L #	92
20) cis-1,2-Dichloroethene	4.665	96	3786	2.120	ug/L	95
22) 2-Butanone	4.706	43	3913m	4.067	ug/L	
23) Bromochloromethane	4.973	128	1732	1.741	ug/L #	84
25) Chloroform	5.083	83	7899	2.689	ug/L	89
27) 1,2-Dichloroethane	5.787	62	5033	2.340	ug/L	97

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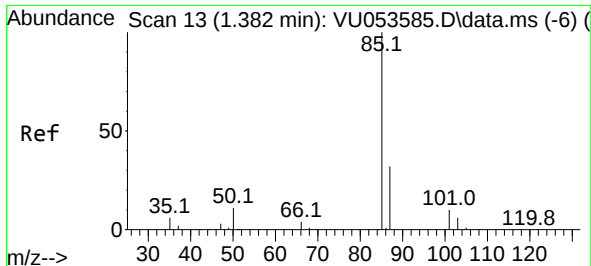
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	4465	1.956	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	4667	1.786	ug/L	95
31) Carbon tetrachloride	5.526	117	3988	1.704	ug/L	99
33) Benzene	5.774	78	12784	2.069	ug/L	100
34) Trichloroethene	6.539	95	3616	1.935	ug/L	90
35) Methylcyclohexane	6.758	83	5660	2.061	ug/L #	82
37) 1,2-Dichloropropane	6.790	63	3479	2.218	ug/L #	86
38) Bromodichloromethane	7.102	83	3764	1.799	ug/L	92
39) cis-1,3-Dichloropropene	7.607	75	5027	1.961	ug/L	85
40) 4-Methyl-2-pentanone	7.790	43	6885	4.039	ug/L	99
42) Toluene	7.967	91	13286	1.898	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	4390	1.812	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	3620	2.102	ug/L	95
46) Tetrachloroethene	8.549	164	3059	1.973	ug/L	92
48) 2-Hexanone	8.681	43	8195	5.943	ug/L	96
49) Dibromochloromethane	8.806	129	2880	1.608	ug/L	100
50) 1,2-Dibromoethane	8.922	107	3543	1.839	ug/L #	98
51) Chlorobenzene	9.446	112	9763	2.024	ug/L	92
52) Ethylbenzene	9.568	91	14407	1.849	ug/L	95
53) m,p-Xylene	9.690	106	5408	1.774	ug/L	97
54) o-xylene	10.099	106	5209	1.729	ug/L	79
55) Styrene	10.115	104	8861	1.805	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	5732	2.267	ug/L #	89
59) Bromoform	10.288	173	1939	1.523	ug/L #	91
60) 1,2,3-Trichloropropane	10.819	75	3975	2.204	ug/L	93
61) Isopropylbenzene	10.481	105	14057	1.911	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	11140	1.822	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	11158	1.843	ug/L	93
64) 1,3-Dichlorobenzene	11.745	146	7800	2.030	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	8451	2.158	ug/L	91
67) 1,2-Dichlorobenzene	12.208	146	7737	2.020	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.996	75	820m	1.705	ug/L	
69) 1,3,5-Trichlorobenzene	13.217	180	5011m	1.761	ug/L	
70) 1,2,4-trichlorobenzene	13.841	180	5595	2.121	ug/L	96
71) Naphthalene	14.089	128	16058	2.033	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	5264	1.998	ug/L	95

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



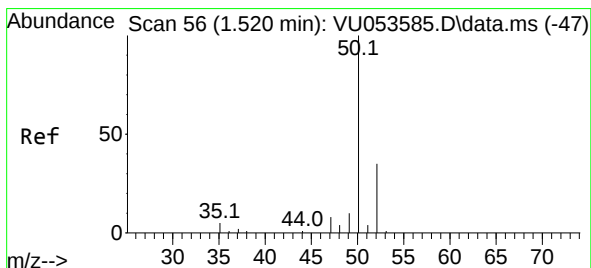
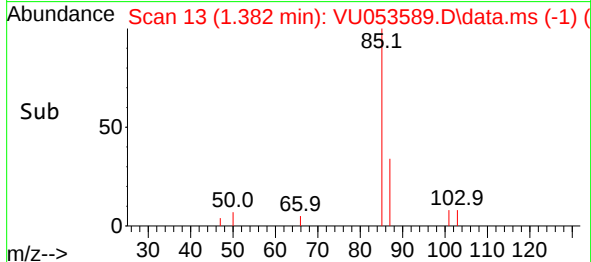
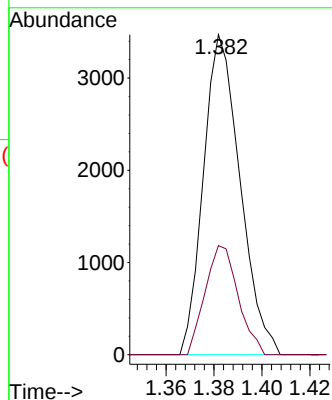
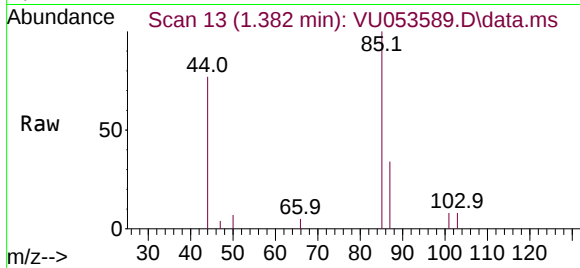
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Dichlorodifluoromethane
Concen: 1.809 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 85 Resp: 368
Ion Ratio Lower Upper
85 100
87 30.7 26.4 39.6

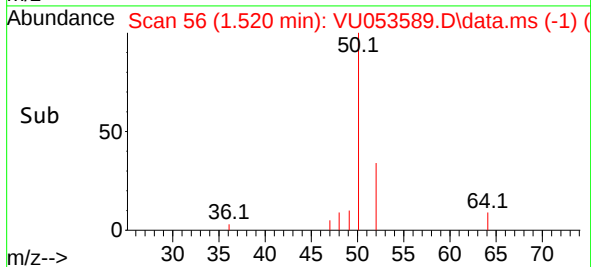
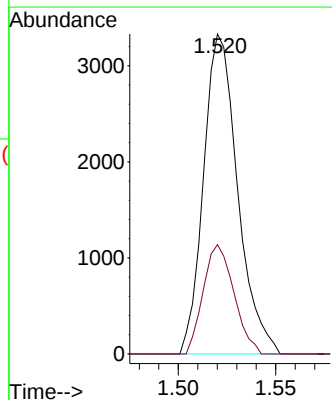
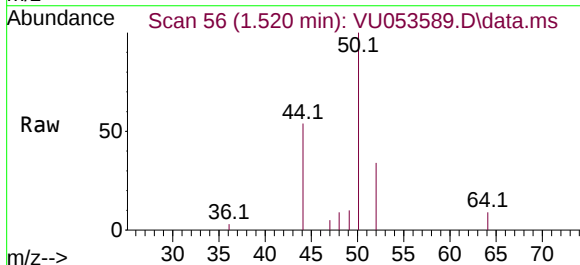
Manual Integrations
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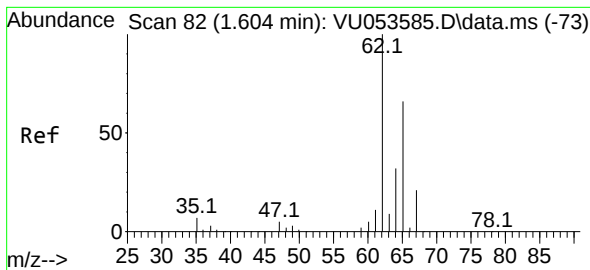
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#3
Chloromethane
Concen: 2.422 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 50 Resp: 4049
Ion Ratio Lower Upper
50 100
52 34.2 22.7 42.1





#5

Vinyl chloride

Concen: 2.344 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 62 Resp: 454

Ion Ratio Lower Upper

62 100

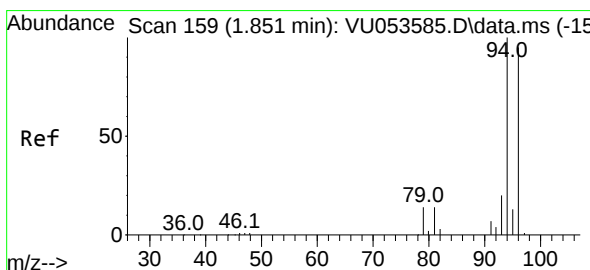
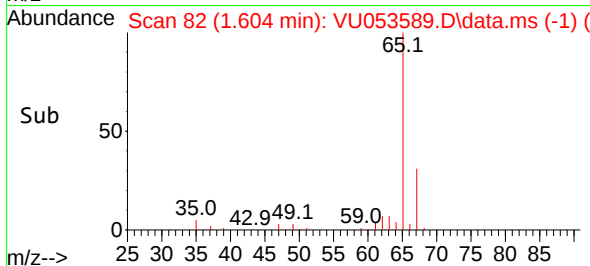
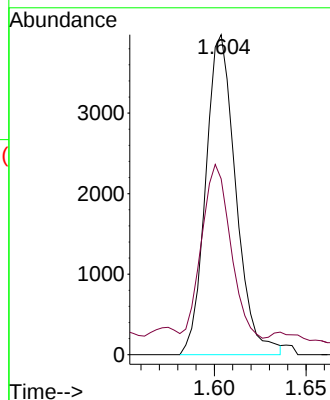
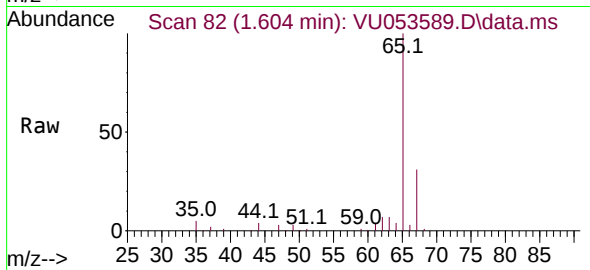
64 55.0 23.2 43.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#6

Bromomethane

Concen: 2.117 ug/L

RT: 1.851 min Scan# 159

Delta R.T. 0.000 min

Lab File: VU053589.D

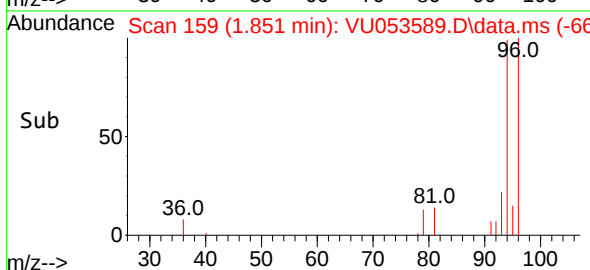
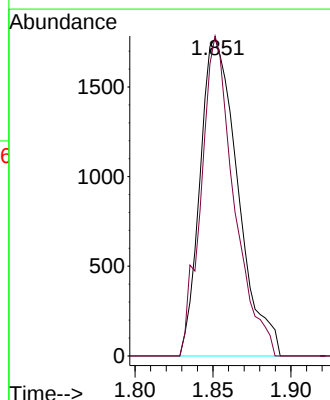
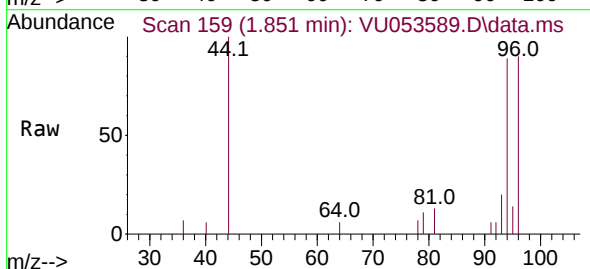
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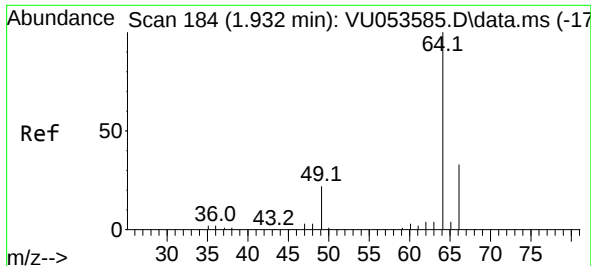
Tgt Ion: 94 Resp: 2984

Ion Ratio Lower Upper

94 100

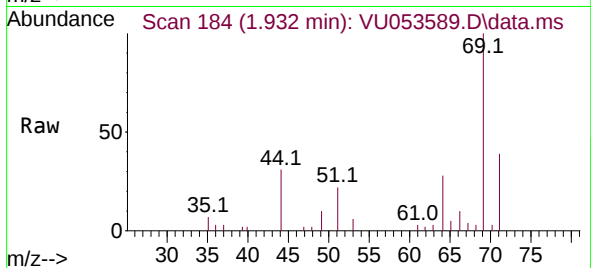
96 100.8 64.4 119.6





#8
Chloroethane
Concen: 2.369 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

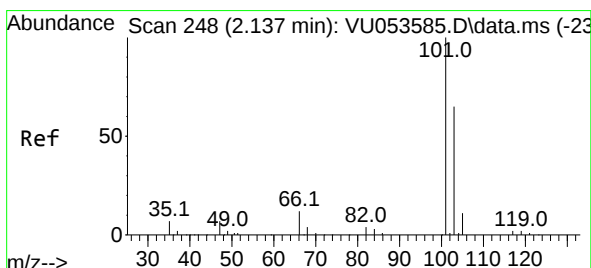
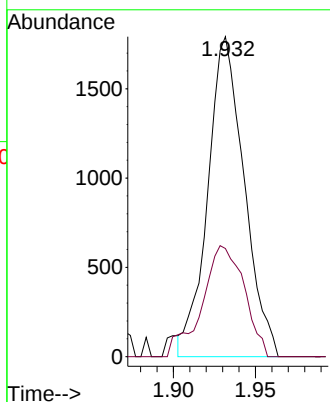
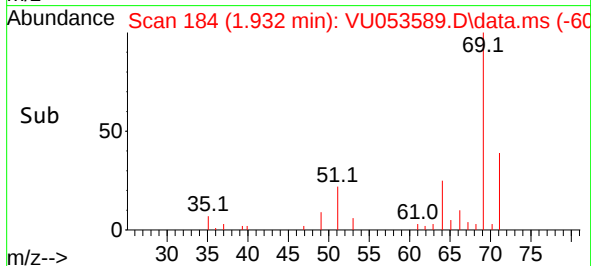
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 33.8 21.8 40.6

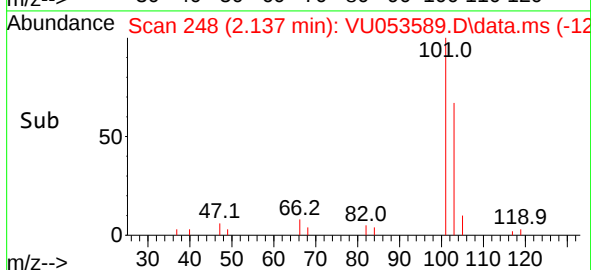
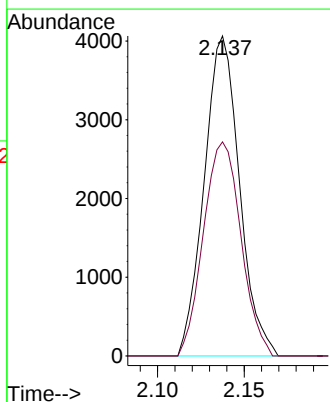
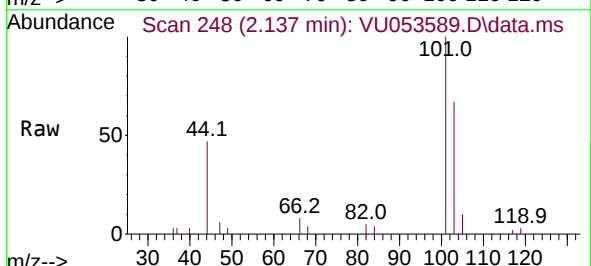
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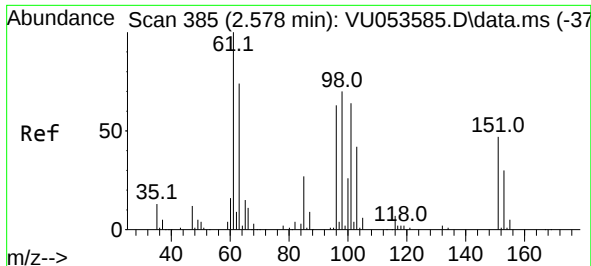
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#9
Trichlorofluoromethane
Concen: 1.932 ug/L
RT: 2.137 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:101 Resp: 5757
Ion Ratio Lower Upper
101 100
103 71.1 52.5 78.7





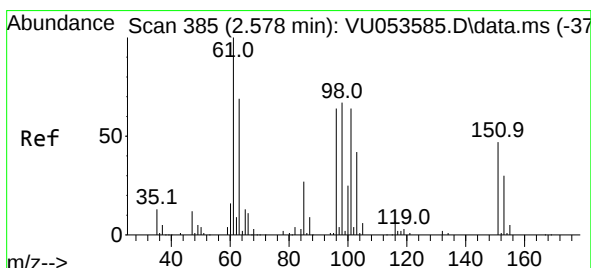
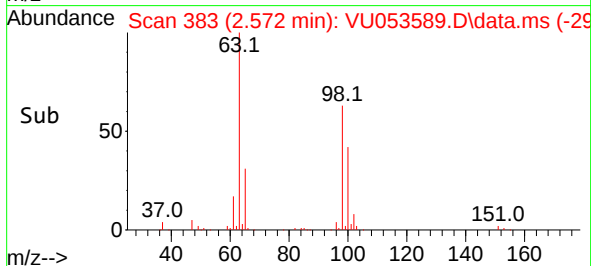
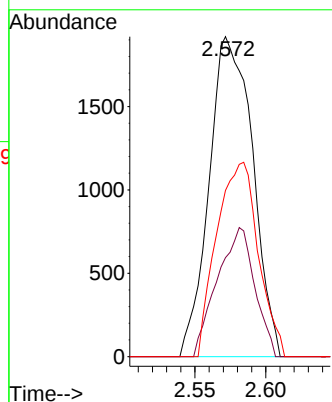
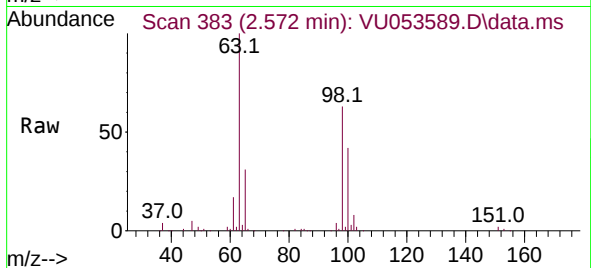
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.374 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 101 Resp: 4098
Ion Ratio Lower Upper
101 100
85 34.7 32.6 48.8
151 58.1 65.8 98.6

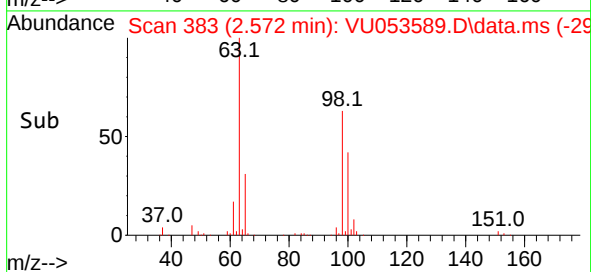
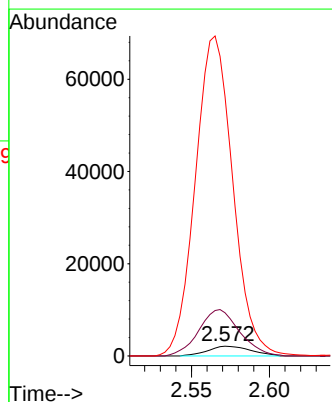
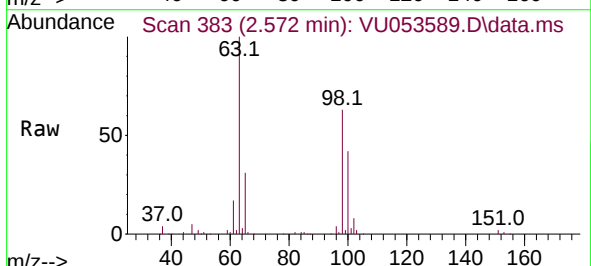
Manual Integrations
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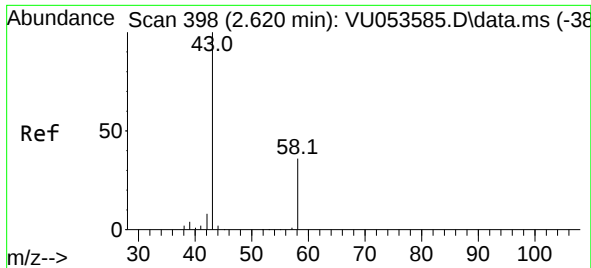
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#12
1,1-Dichloroethene
Concen: 2.638 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 96 Resp: 4058
Ion Ratio Lower Upper
96 100
61 444.7 107.9 200.5#
63 2677.7 79.1 146.9#





#13

Acetone

Concen: 3.846 ug/L

RT: 2.623 min Scan# 398

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

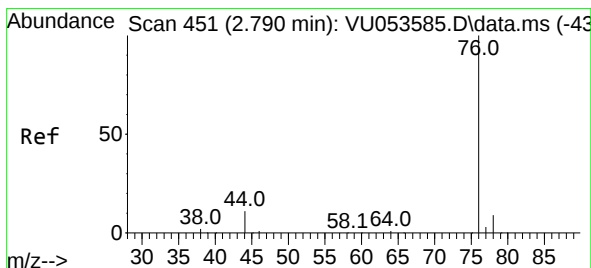
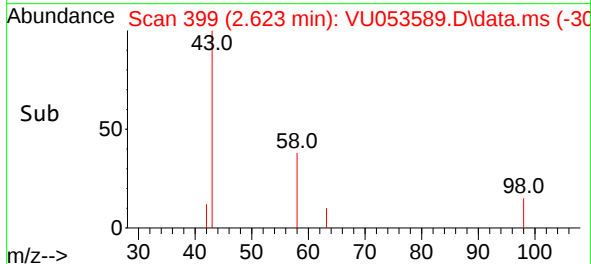
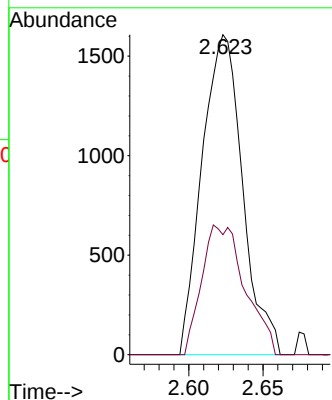
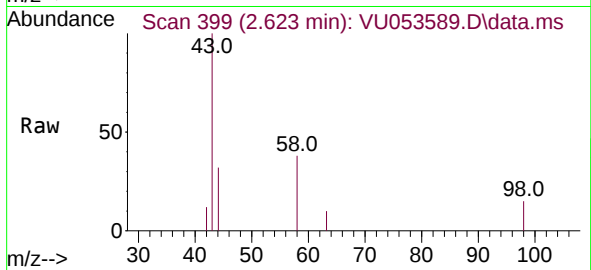
Tgt Ion: 43 Resp: 3058
 Ion Ratio Lower Upper
 43 100
 58 22.2 0.0 70.2

Manual Integrations

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Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#14

Carbon disulfide

Concen: 1.916 ug/L

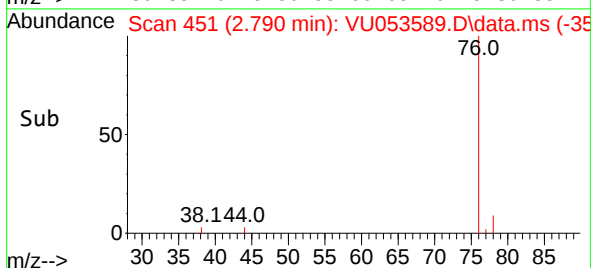
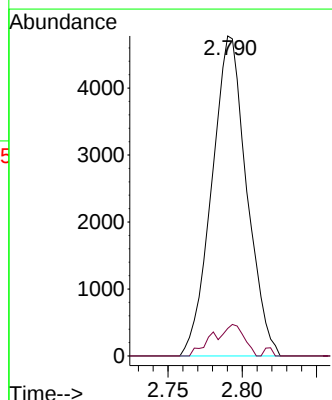
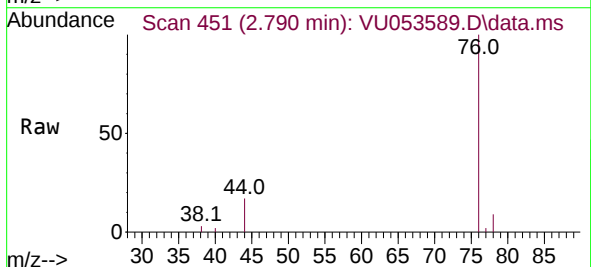
RT: 2.790 min Scan# 451

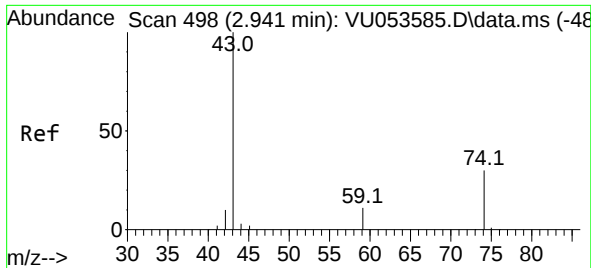
Delta R.T. 0.000 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Tgt Ion: 76 Resp: 7798
 Ion Ratio Lower Upper
 76 100
 78 8.6 8.2 12.2





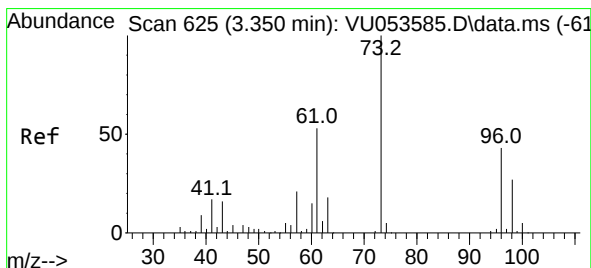
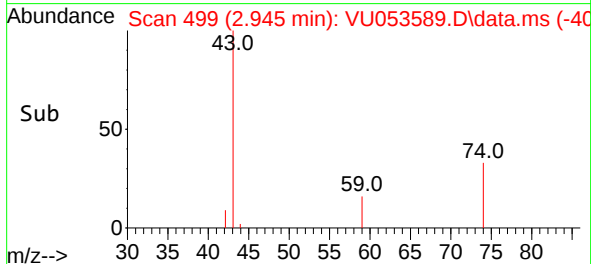
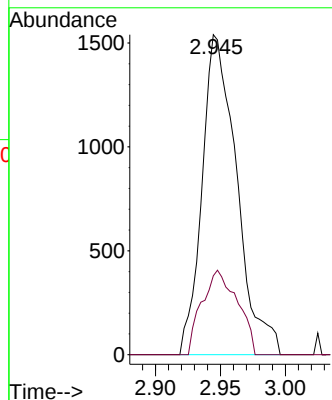
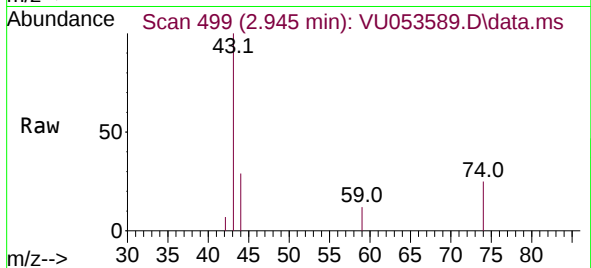
#15
Methyl Acetate
Concen: 2.350 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 2859
Ion Ratio Lower Upper
43 100
74 27.1 22.0 33.0

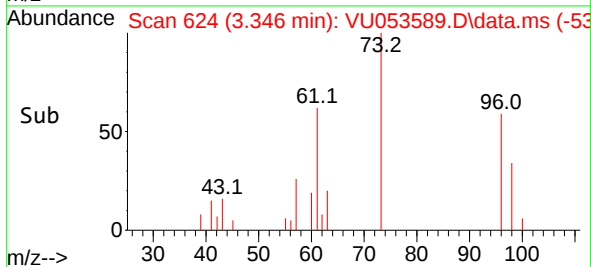
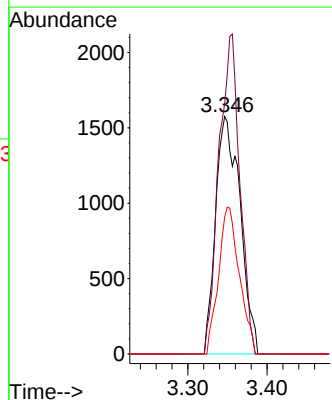
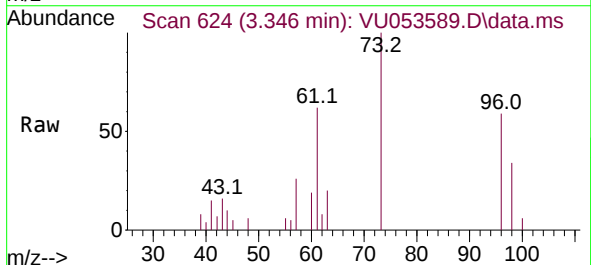
Manual Integrations
APPROVED

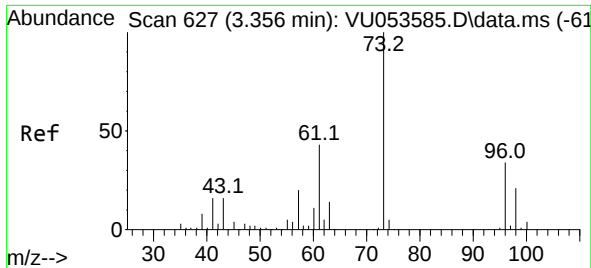
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#17
trans-1,2-Dichloroethene
Concen: 2.185 ug/L m
RT: 3.346 min Scan# 624
Delta R.T. -0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

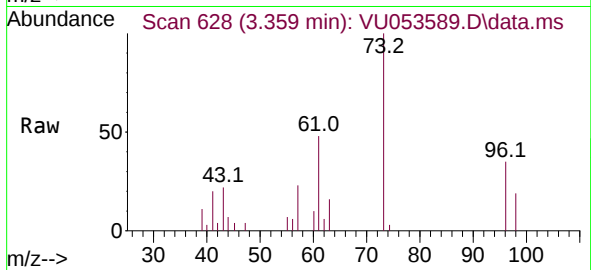
Tgt Ion: 96 Resp: 3378
Ion Ratio Lower Upper
96 100
61 105.4 84.4 156.8
98 57.8 46.0 85.4





#18
Methyl tert-butyl Ether
Concen: 1.982 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

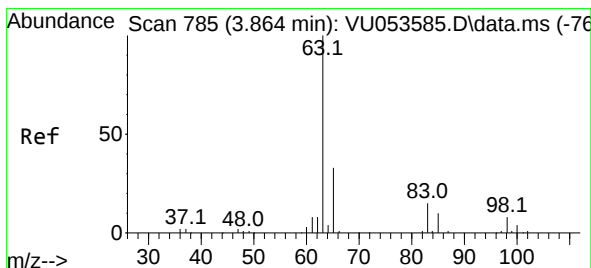
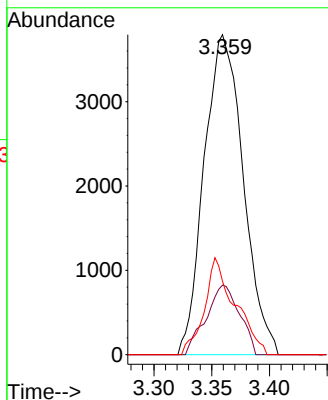
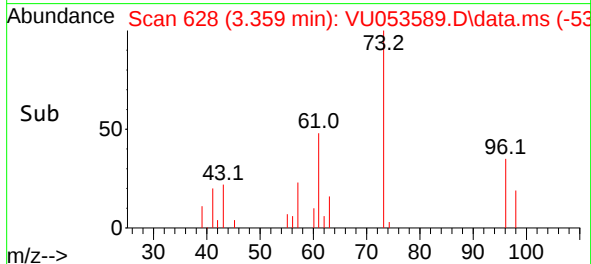
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 73 Resp: 8929
Ion Ratio Lower Upper
73 100
43 18.6 13.8 20.8
57 23.7 15.9 23.9

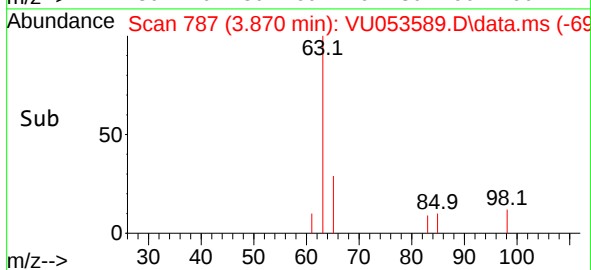
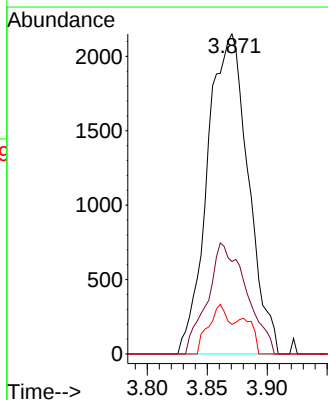
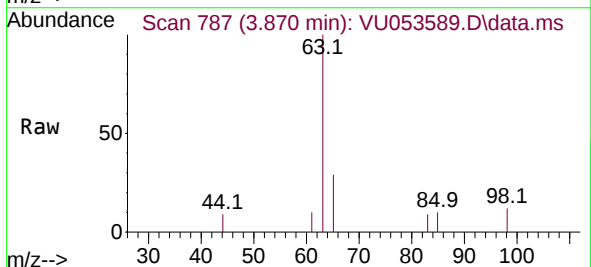
Manual Integrations
APPROVED

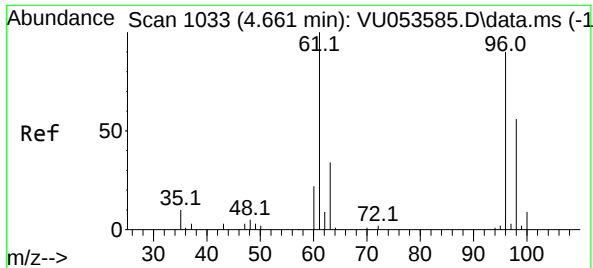
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#19
1,1-Dichloroethane
Concen: 1.981 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

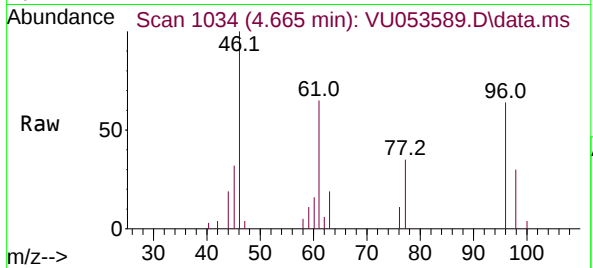
Tgt Ion: 63 Resp: 5072
Ion Ratio Lower Upper
63 100
65 28.9 22.0 41.0
83 9.3 10.8 20.0#





#20
cis-1,2-Dichloroethene
Concen: 2.120 ug/L
RT: 4.665 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

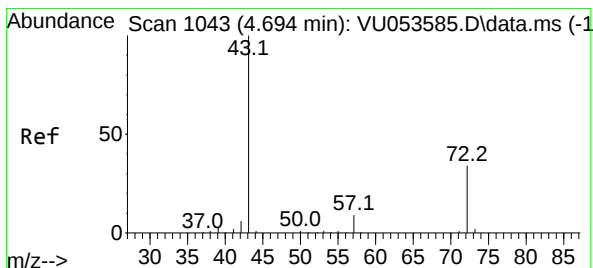
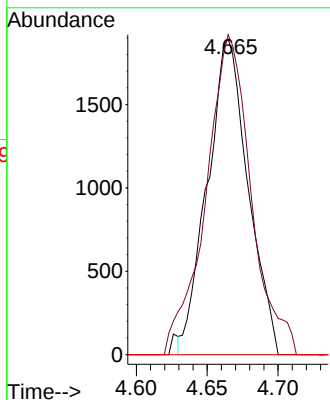
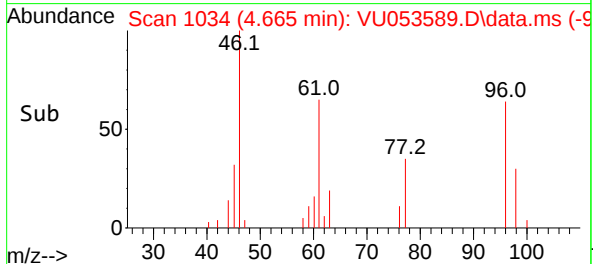
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 96 Resp: 3780
Ion Ratio Lower Upper
96 100
61 101.4 74.7 138.7
68 0.0 0.0 0.0

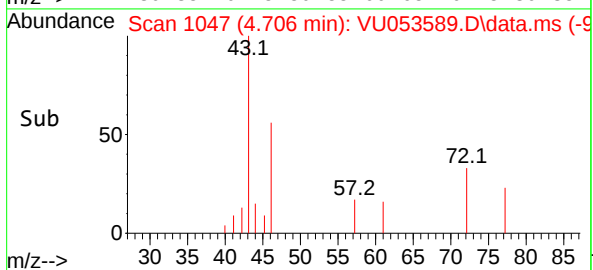
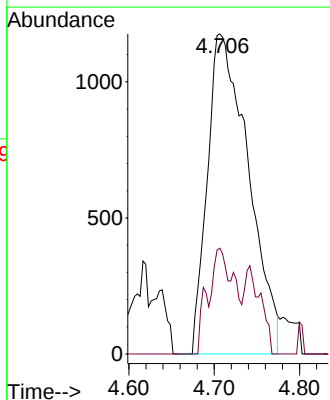
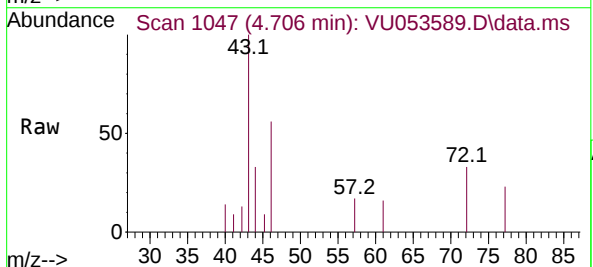
Manual Integrations
APPROVED

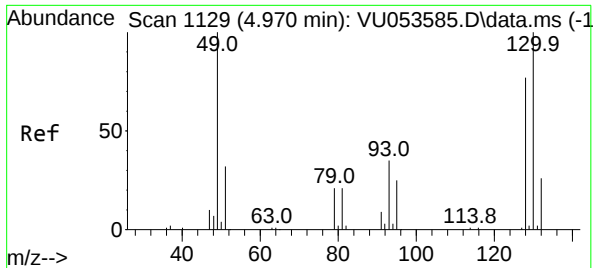
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#22
2-Butanone
Concen: 4.067 ug/L m
RT: 4.706 min Scan# 1047
Delta R.T. 0.013 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

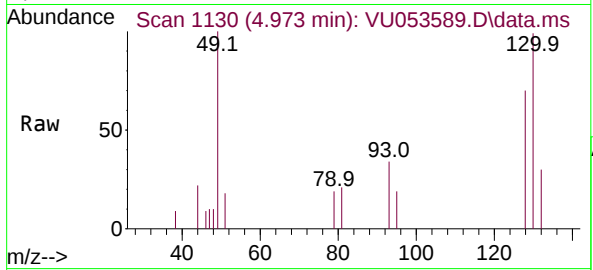
Tgt Ion: 43 Resp: 3913
Ion Ratio Lower Upper
43 100
72 9.5 15.8 47.3#





#23
Bromochloromethane
Concen: 1.741 ug/L
RT: 4.973 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

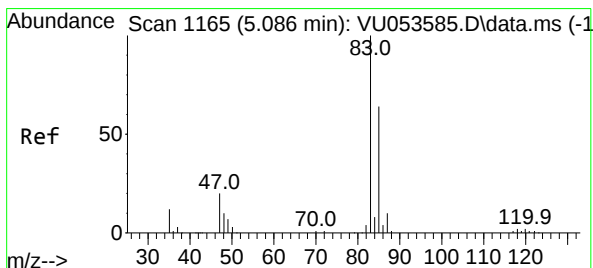
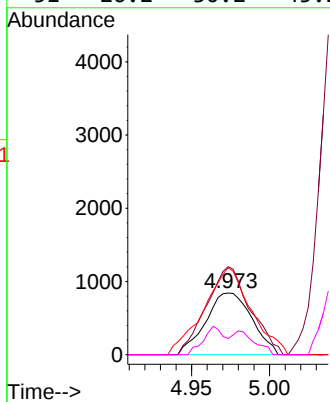
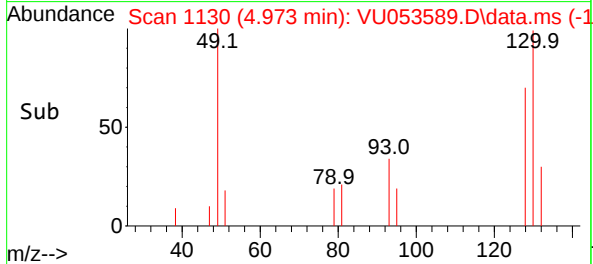
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:128 Resp: 1732
Ion Ratio Lower Upper
128 100
49 142.9 81.5 151.3
130 141.3 91.8 170.4
51 26.2 30.2 45.2#

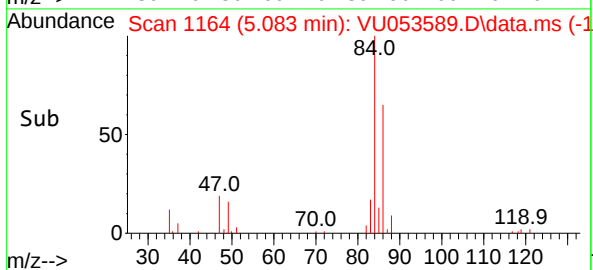
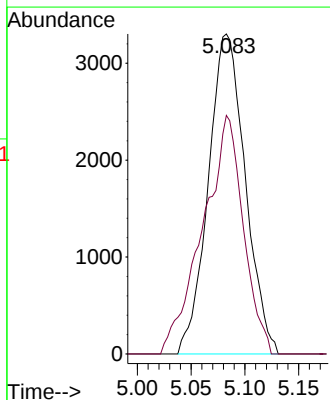
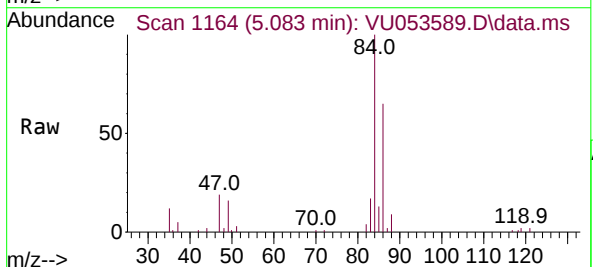
Manual Integrations
APPROVED

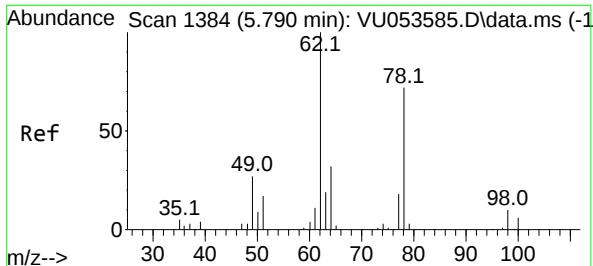
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#25
Chloroform
Concen: 2.689 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 83 Resp: 7899
Ion Ratio Lower Upper
83 100
85 74.6 46.1 85.5





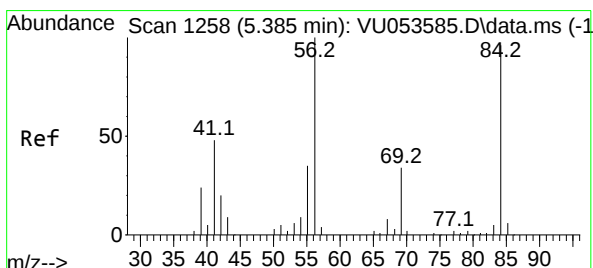
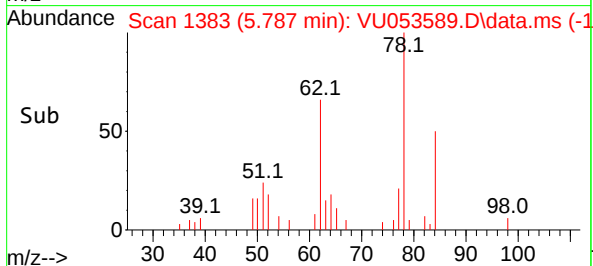
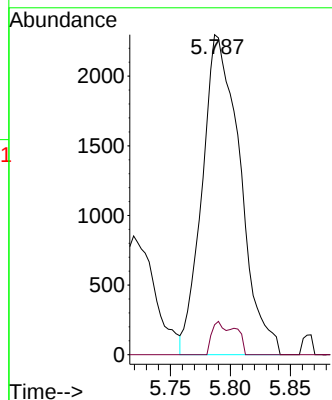
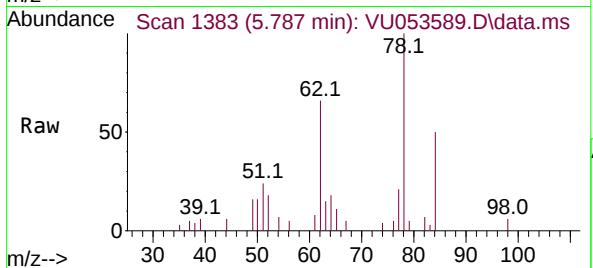
#27
1,2-Dichloroethane
Concen: 2.340 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 62 Resp: 503
Ion Ratio Lower Upper
62 100
98 9.4 8.3 12.5

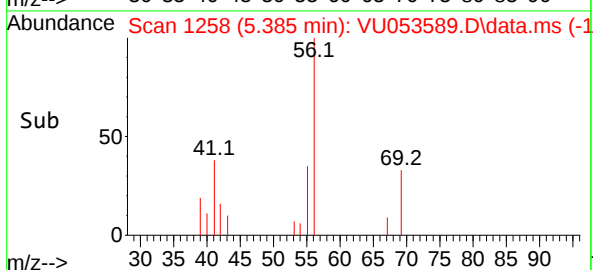
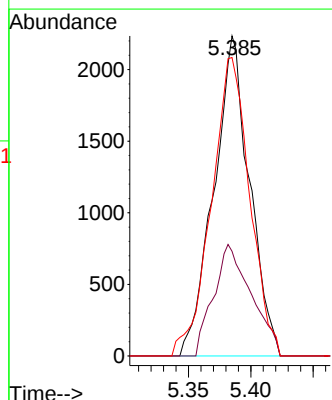
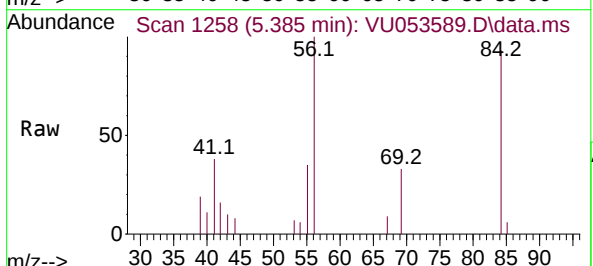
Manual Integrations
APPROVED

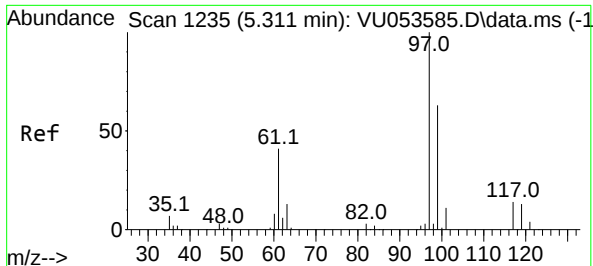
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#29
Cyclohexane
Concen: 1.956 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 56 Resp: 4465
Ion Ratio Lower Upper
56 100
69 36.7 27.3 40.9
84 99.5 81.3 121.9





#30

1,1,1-Trichloroethane

Concen: 1.786 ug/L

RT: 5.314 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

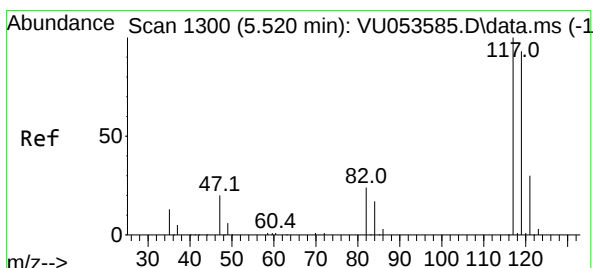
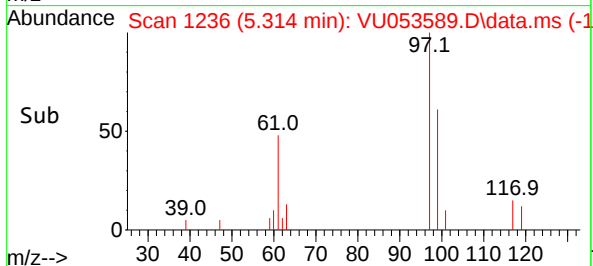
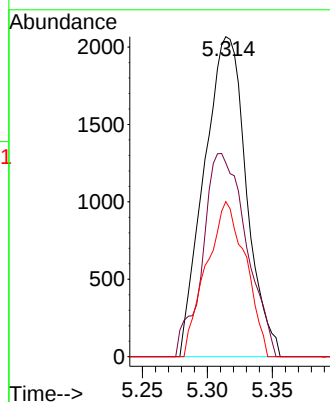
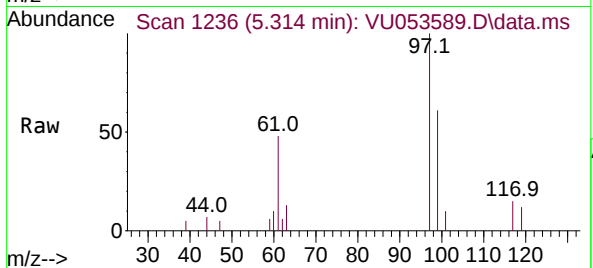
Tgt Ion: 97	Resp: 466
Ion Ratio	Lower Upper
97 100	
99 65.7	51.6 77.4
61 45.3	31.0 46.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#31

Carbon tetrachloride

Concen: 1.704 ug/L

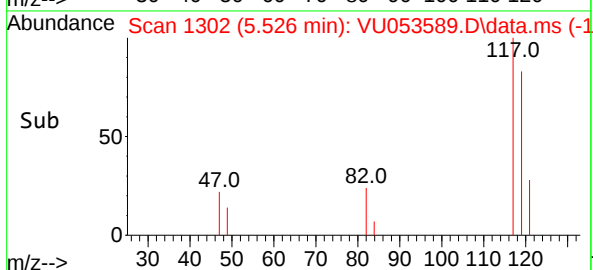
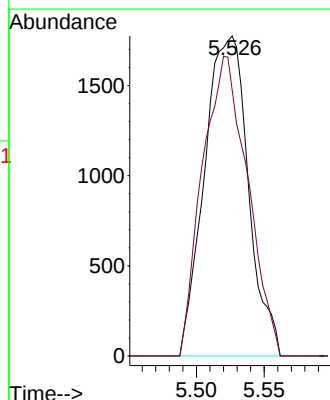
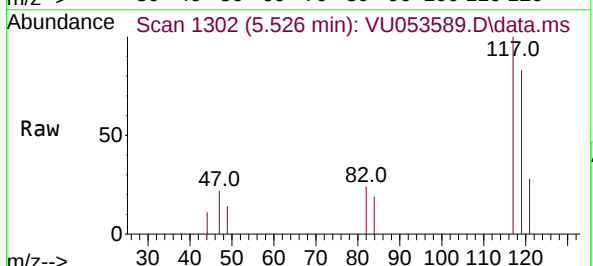
RT: 5.526 min Scan# 1302

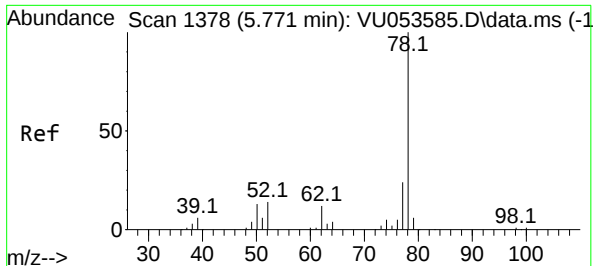
Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Tgt Ion:117	Resp: 3988
Ion Ratio	Lower Upper
117 100	
119 96.8	76.9 115.3





#33

Benzene

Concen: 2.069 ug/L

RT: 5.774 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

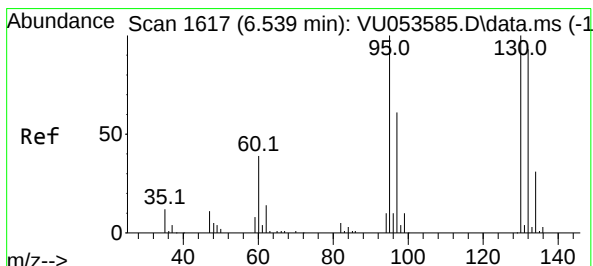
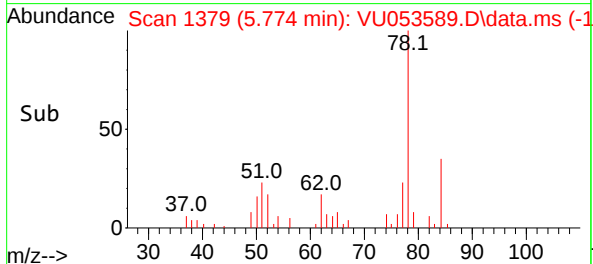
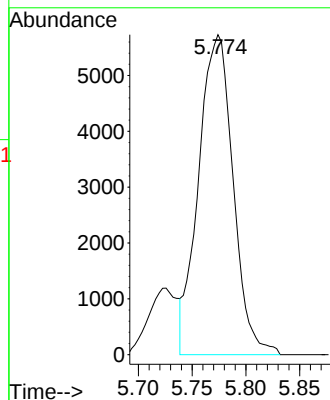
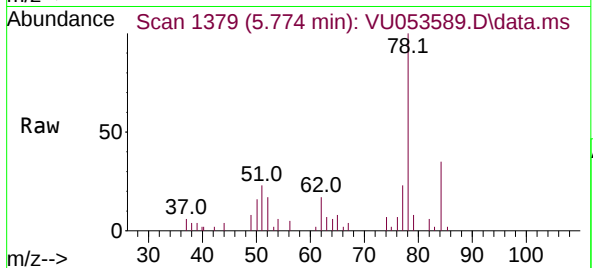
Tgt Ion: 78 Resp: 12784

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#34

Trichloroethene

Concen: 1.935 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Tgt Ion: 95 Resp: 3616

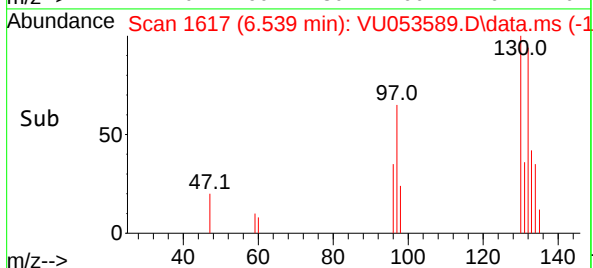
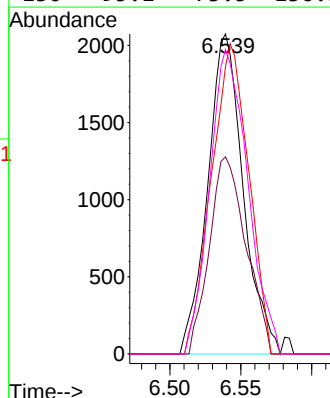
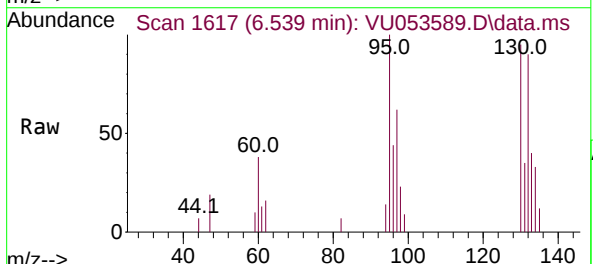
Ion Ratio Lower Upper

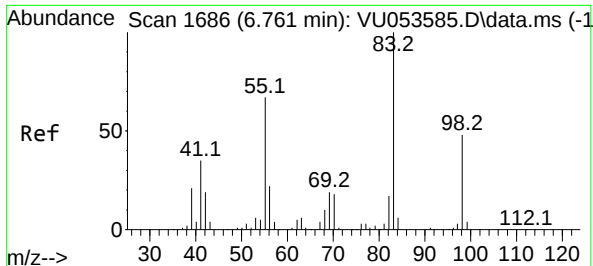
95 100

97 61.6 45.1 83.7

132 89.8 74.1 137.5

130 95.1 73.5 136.5





#35

Methylcyclohexane

Concen: 2.061 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

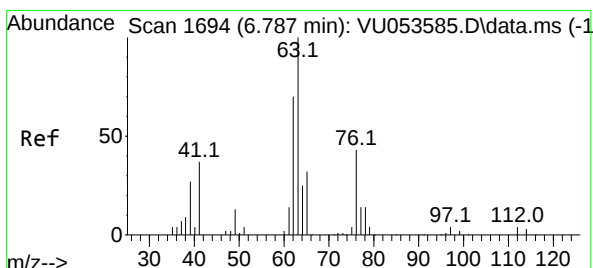
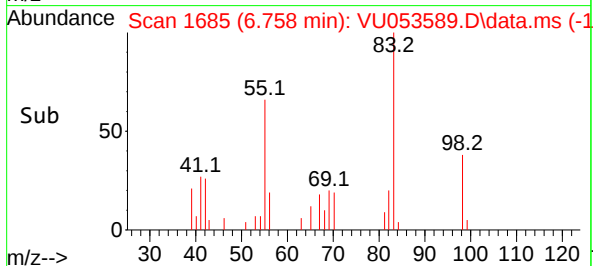
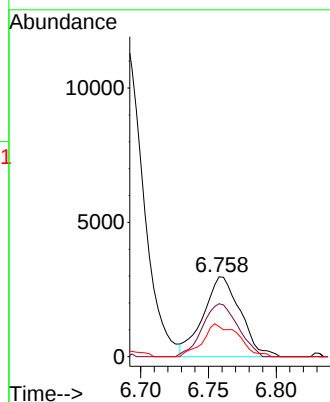
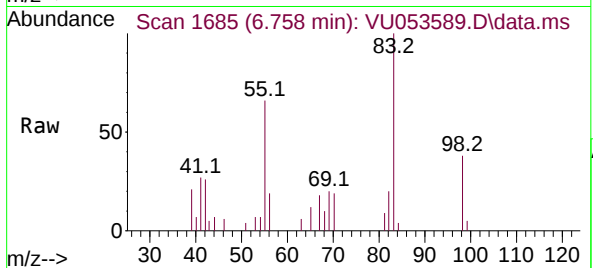
Tgt Ion: 83 Resp: 5660
 Ion Ratio Lower Upper
 83 100
 55 63.4 53.0 79.6
 98 22.9 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#37

1,2-Dichloropropane

Concen: 2.218 ug/L

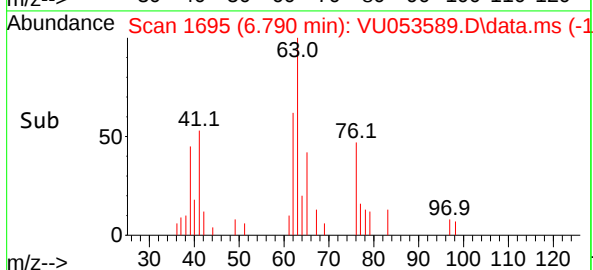
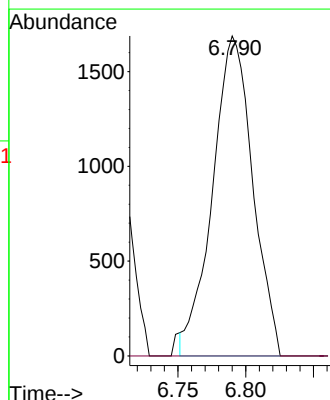
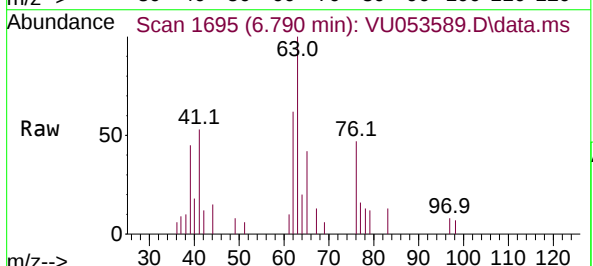
RT: 6.790 min Scan# 1695

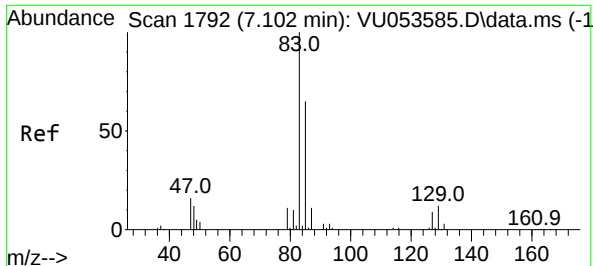
Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

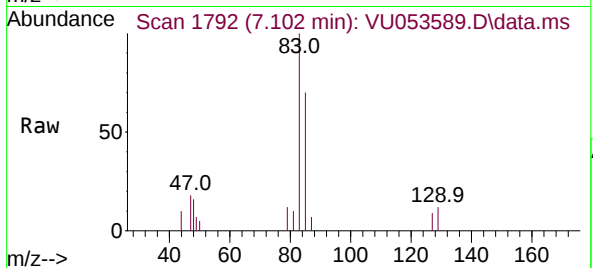
Tgt Ion: 63 Resp: 3479
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6





#38
Bromodichloromethane
Concen: 1.799 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

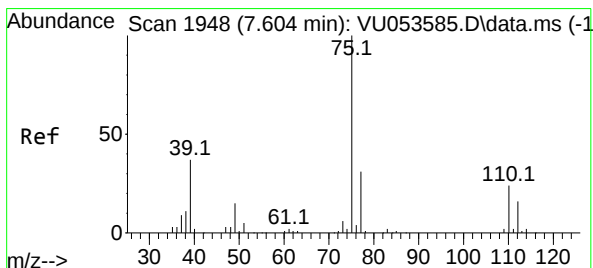
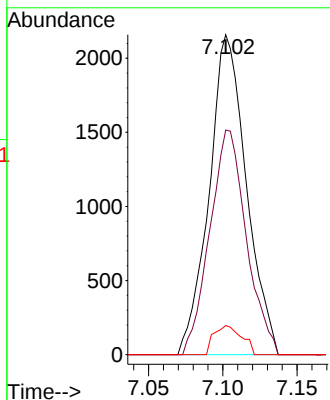
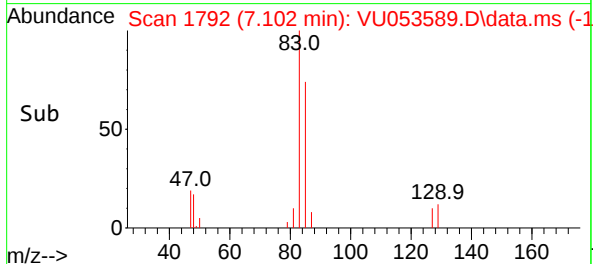
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 83 Resp: 3764
Ion Ratio Lower Upper
83 100
85 70.2 44.4 82.5
127 9.1 8.0 12.0

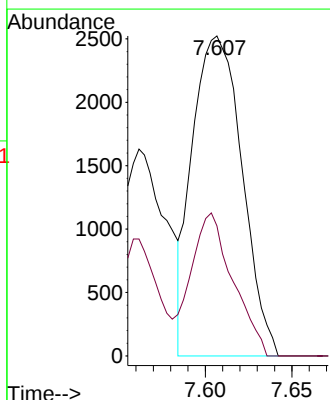
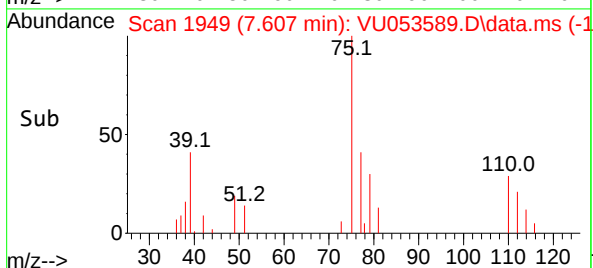
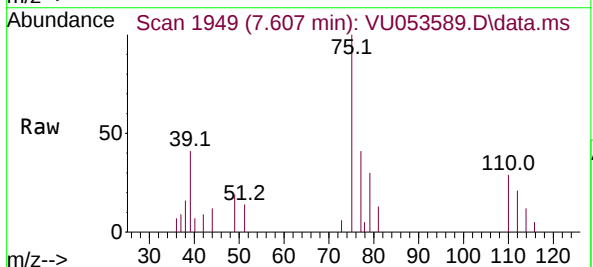
Manual Integrations
APPROVED

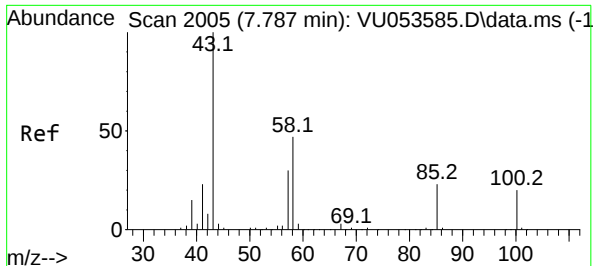
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#39
cis-1,3-Dichloropropene
Concen: 1.961 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 75 Resp: 5027
Ion Ratio Lower Upper
75 100
77 40.6 22.5 41.7





#40

4-Methyl-2-pentanone

Concen: 4.039 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

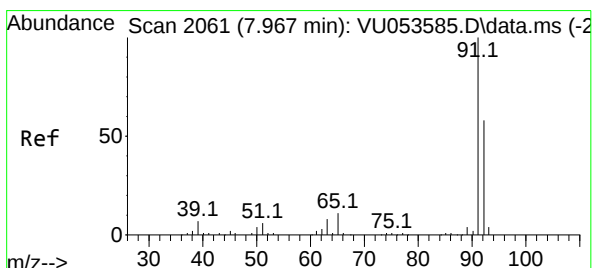
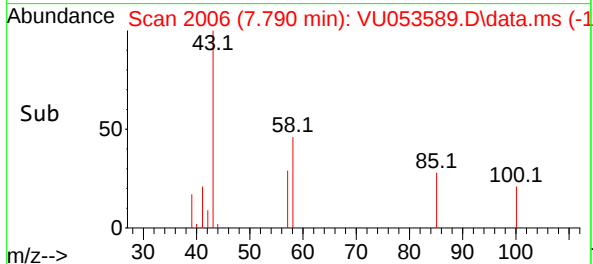
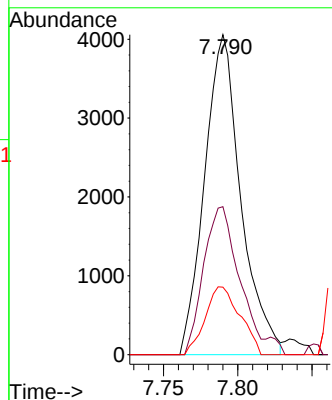
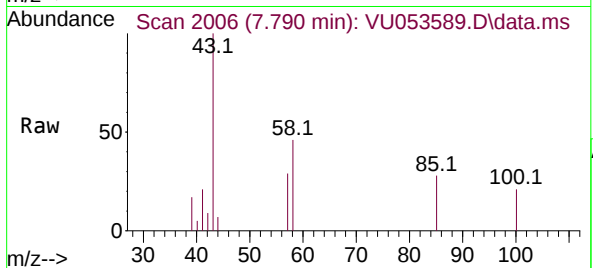
Tgt Ion: 43 Resp: 6885
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.5 53.3
 100 20.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#42

Toluene

Concen: 1.898 ug/L

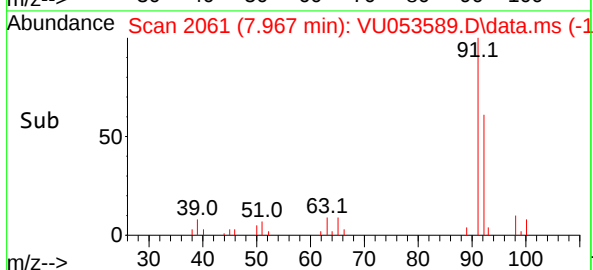
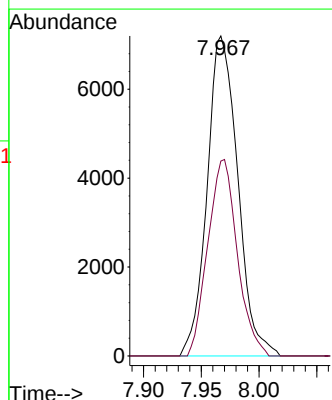
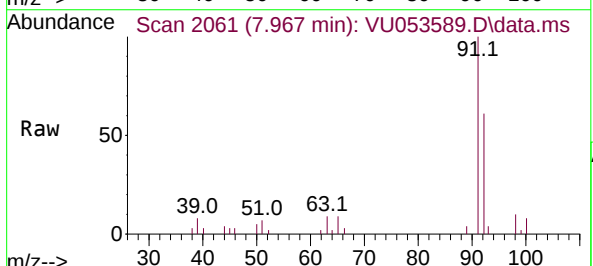
RT: 7.967 min Scan# 2061

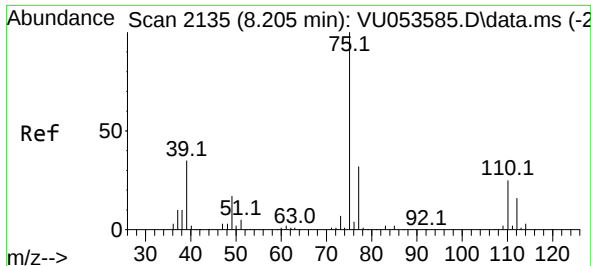
Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

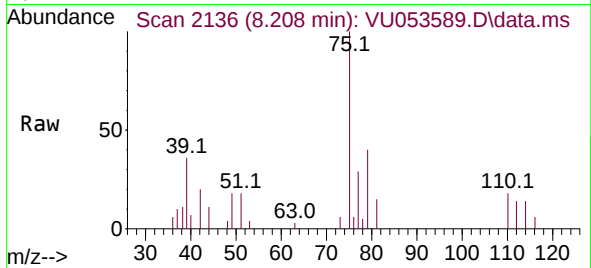
Tgt Ion: 91 Resp: 13286
 Ion Ratio Lower Upper
 91 100
 92 60.9 39.8 73.8





#44
trans-1,3-Dichloropropene
Concen: 1.812 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

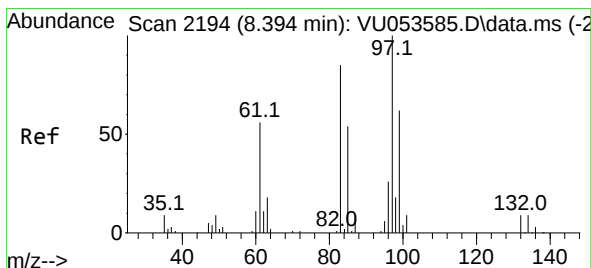
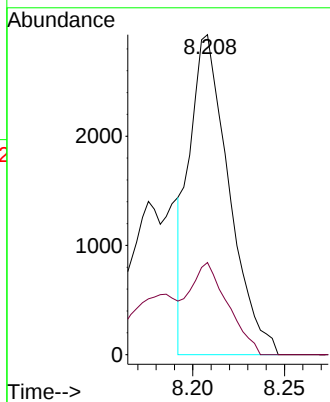
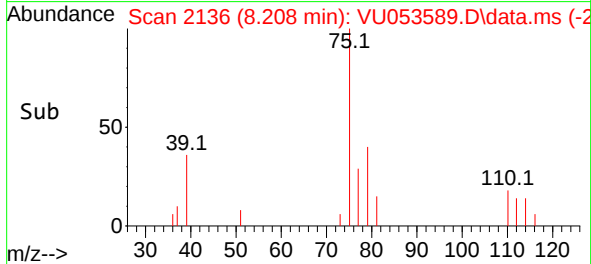
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 75 Resp: 4390
Ion Ratio Lower Upper
75 100
77 28.8 21.8 40.4

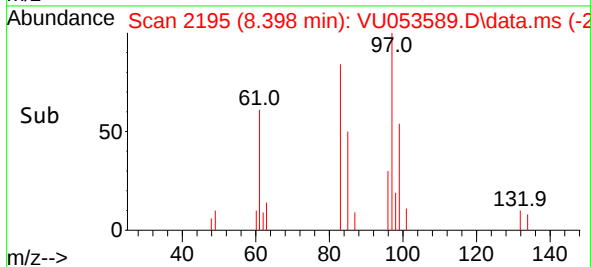
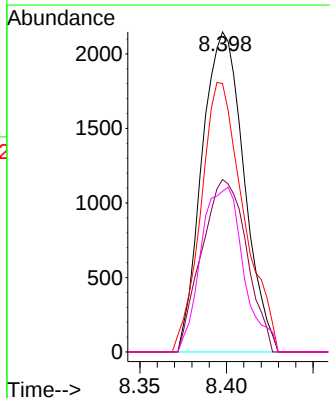
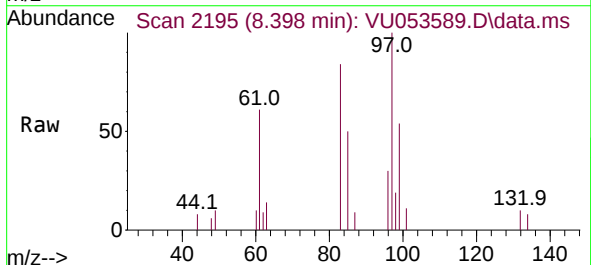
Manual Integrations
APPROVED

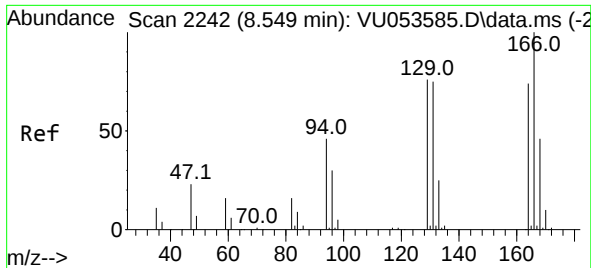
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#45
1,1,2-Trichloroethane
Concen: 2.102 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

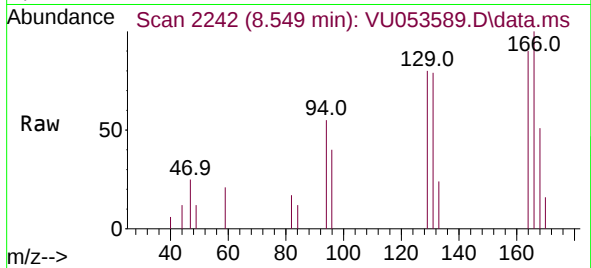
Tgt Ion: 97 Resp: 3620
Ion Ratio Lower Upper
97 100
99 53.9 43.8 81.3
83 83.9 59.0 109.6
85 50.2 37.5 69.7





#46
Tetrachloroethene
Concen: 1.973 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

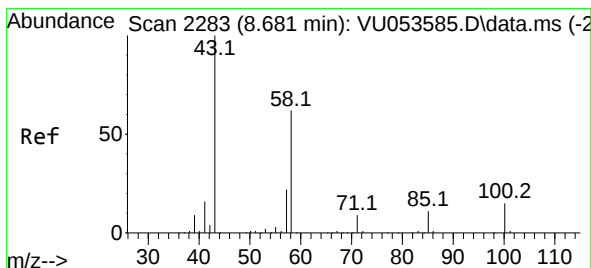
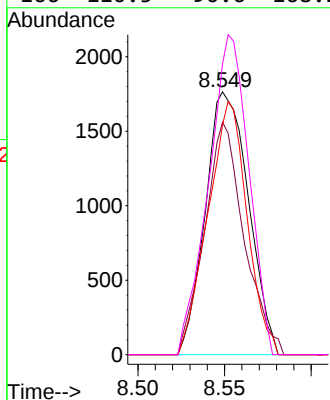
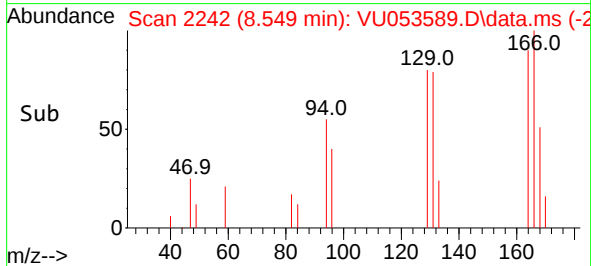
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



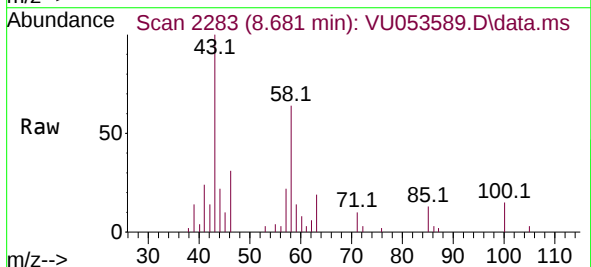
Tgt Ion:164 Resp: 3059
Ion Ratio Lower Upper
164 100
129 88.5 64.0 119.0
131 87.4 61.9 115.1
166 110.5 90.6 168.2

Manual Integrations
APPROVED

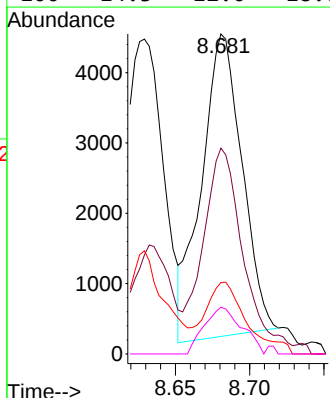
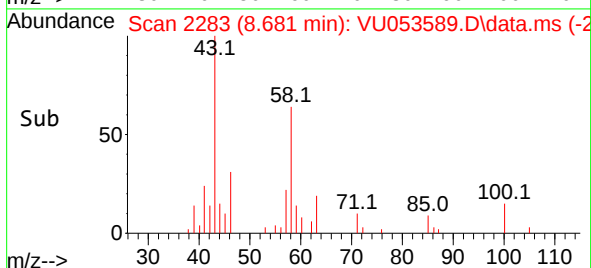
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

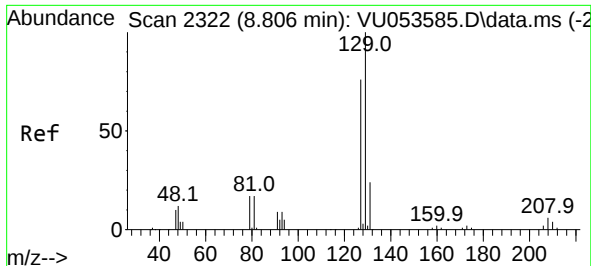


#48
2-Hexanone
Concen: 5.943 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54



Tgt Ion: 43 Resp: 8195
Ion Ratio Lower Upper
43 100
58 65.3 49.8 74.6
57 23.8 17.8 26.6
100 14.3 12.0 18.0





#49

Dibromochloromethane

Concen: 1.608 ug/L

RT: 8.806 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:129 Resp: 2880

Ion Ratio Lower Upper

129 100

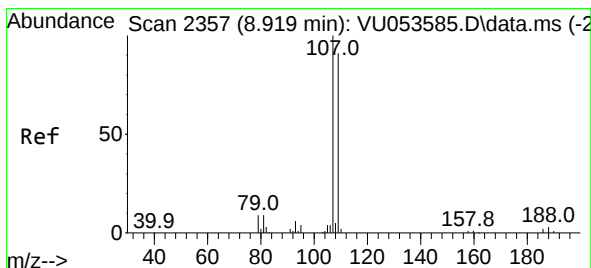
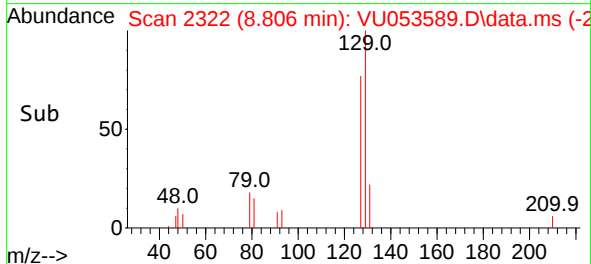
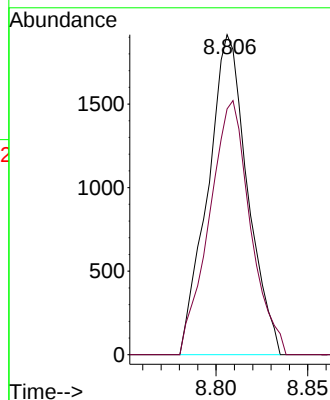
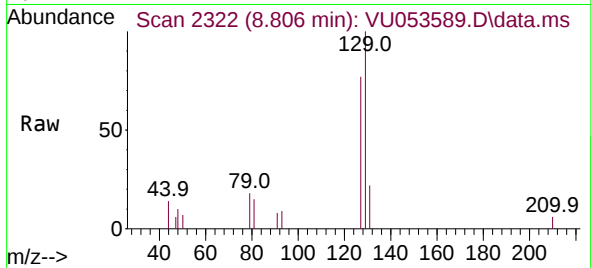
127 76.8 53.5 99.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#50

1,2-Dibromoethane

Concen: 1.839 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

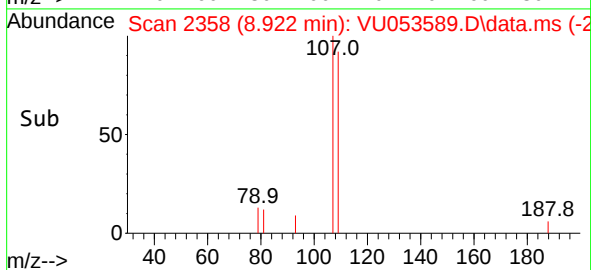
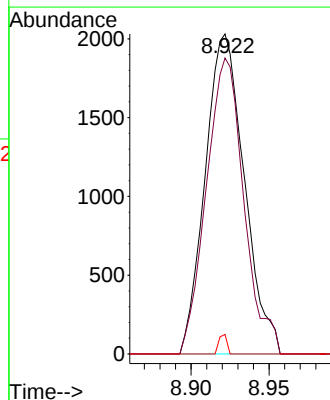
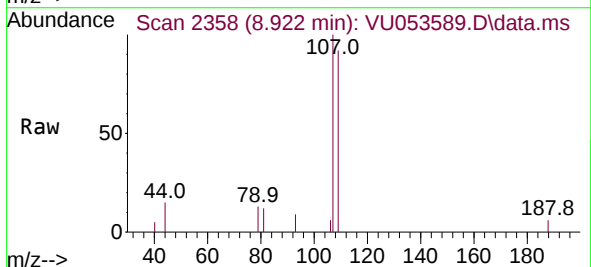
Tgt Ion:107 Resp: 3543

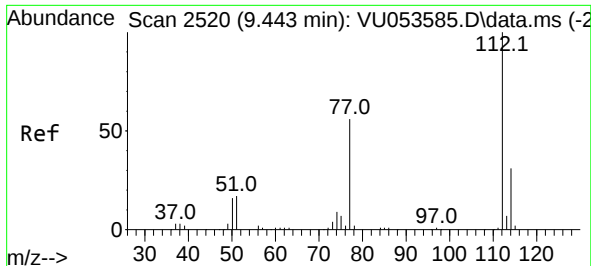
Ion Ratio Lower Upper

107 100

109 92.5 66.3 123.1

188 6.1 3.0 4.4#





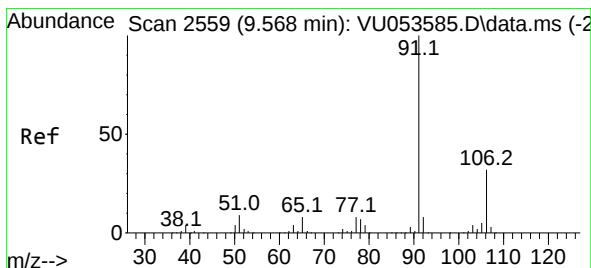
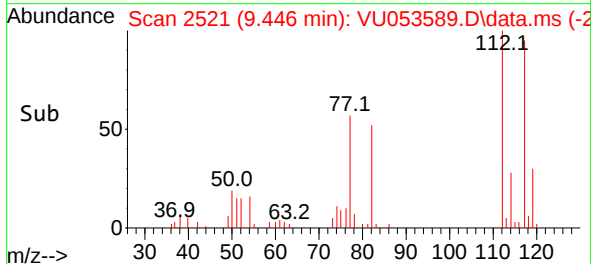
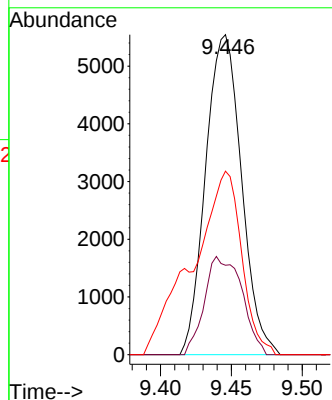
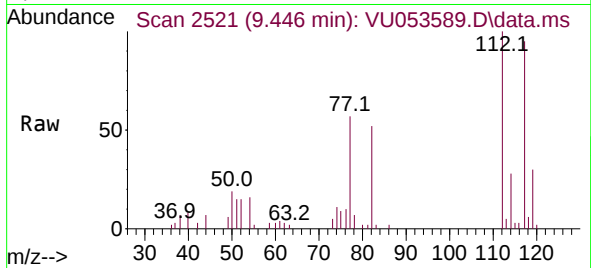
#51
Chlorobenzene
Concen: 2.024 ug/L
RT: 9.446 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:112 Resp: 976
Ion Ratio Lower Upper
112 100
114 27.9 22.2 41.2
77 57.4 41.3 61.9

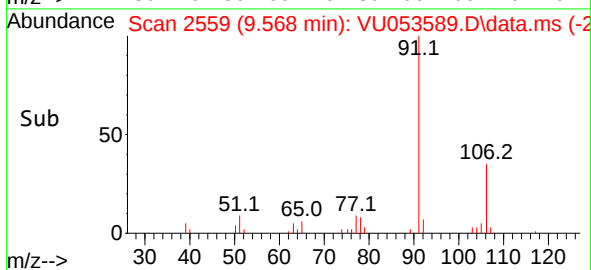
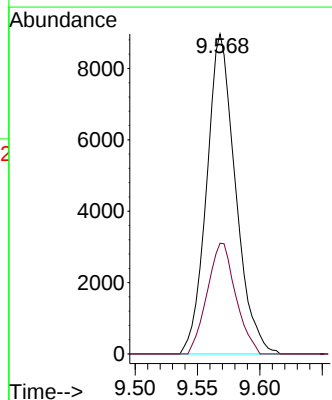
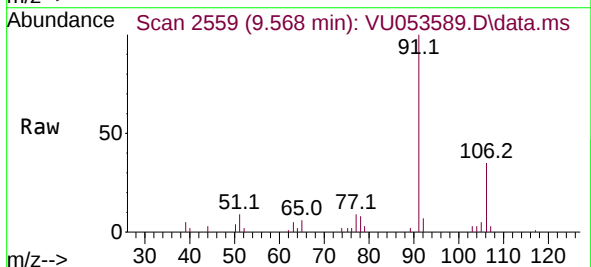
Manual Integrations
APPROVED

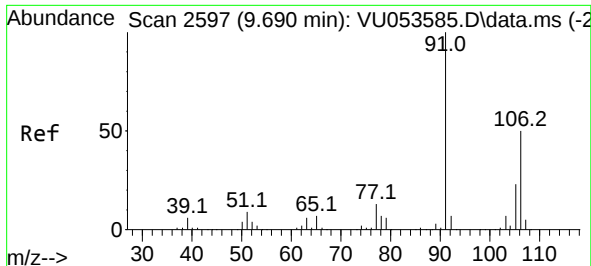
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#52
Ethylbenzene
Concen: 1.849 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion: 91 Resp: 14407
Ion Ratio Lower Upper
91 100
106 34.6 22.4 41.6





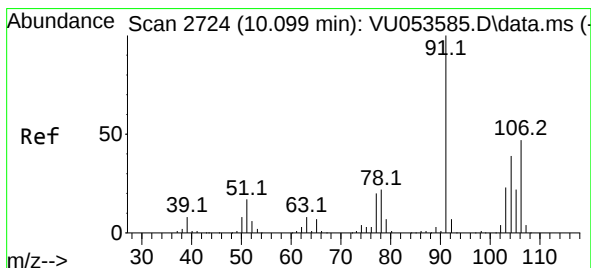
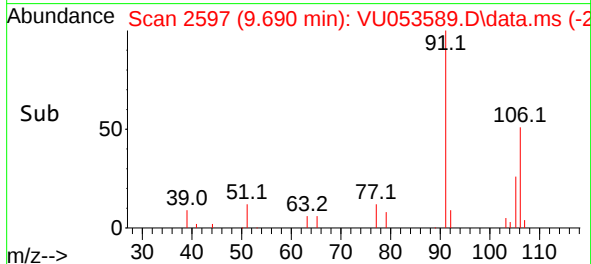
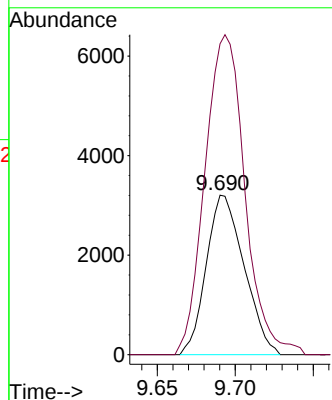
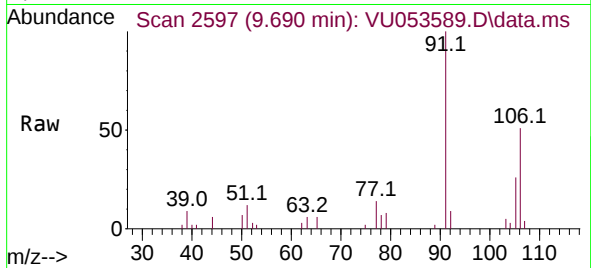
#53
m,p-Xylene
Concen: 1.774 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:106 Resp: 5408
Ion Ratio Lower Upper
106 100
91 194.9 140.0 260.0

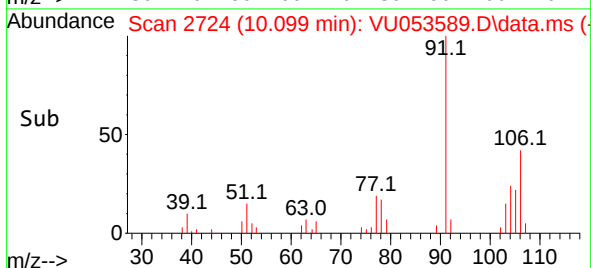
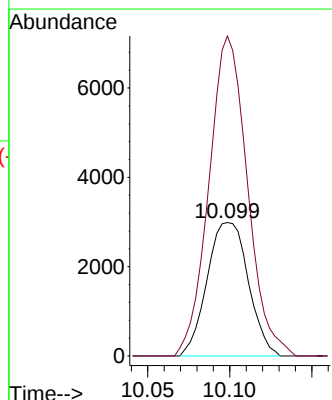
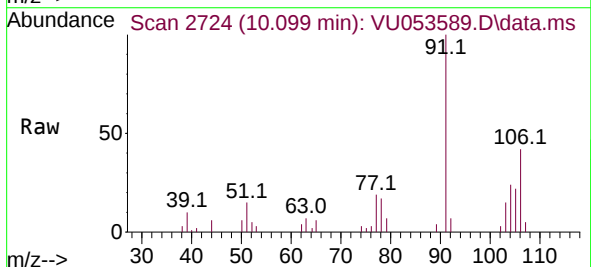
Manual Integrations
APPROVED

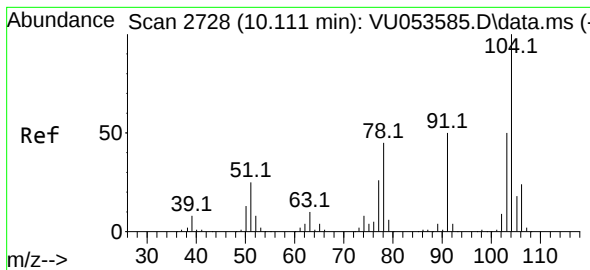
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#54
o-xylene
Concen: 1.729 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:106 Resp: 5209
Ion Ratio Lower Upper
106 100
91 239.9 144.9 269.1





#55

Styrene

Concen: 1.805 ug/L

RT: 10.115 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:104 Resp: 886

Ion Ratio Lower Upper

104 100

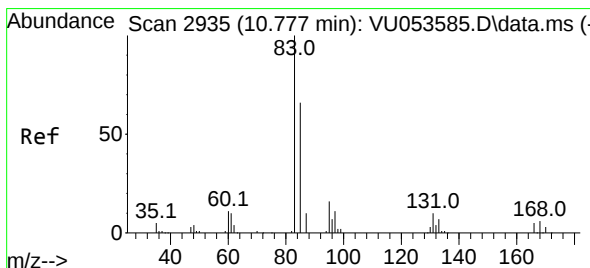
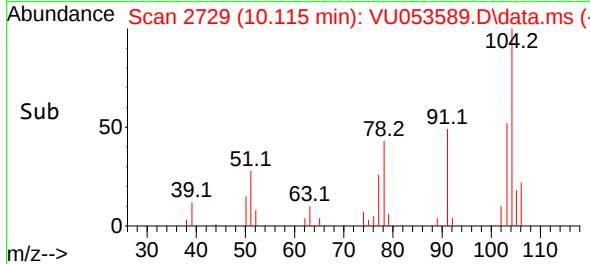
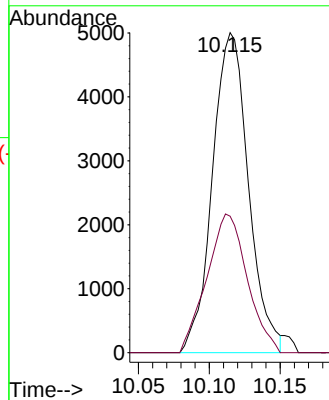
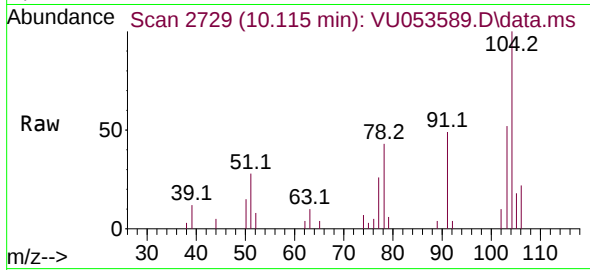
78 42.7 31.3 58.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 2.267 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

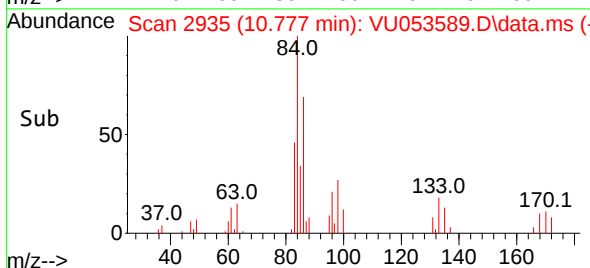
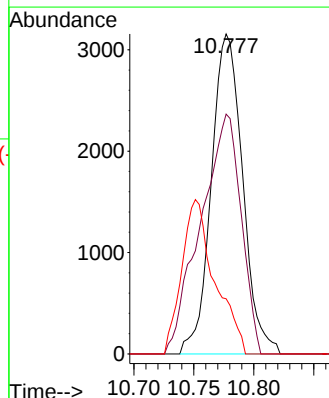
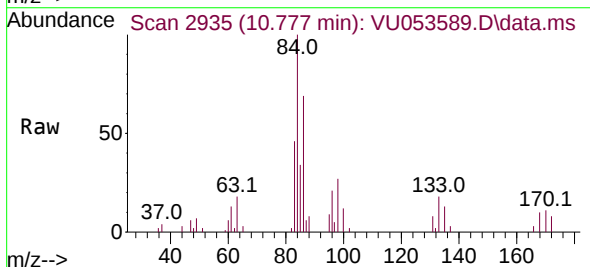
Tgt Ion: 83 Resp: 5732

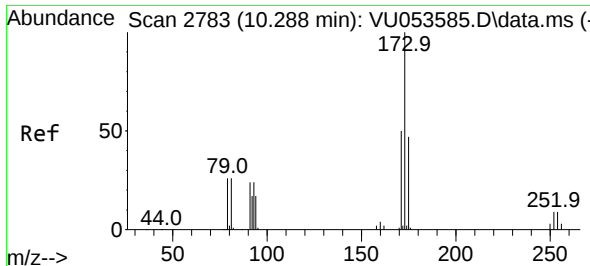
Ion Ratio Lower Upper

83 100

85 74.9 47.0 87.4

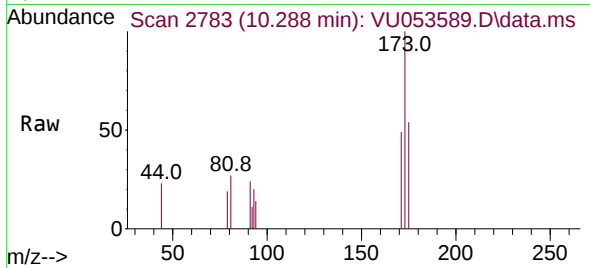
131 17.2 8.7 13.1#





#59
Bromoform
Concen: 1.523 ug/L
RT: 10.288 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

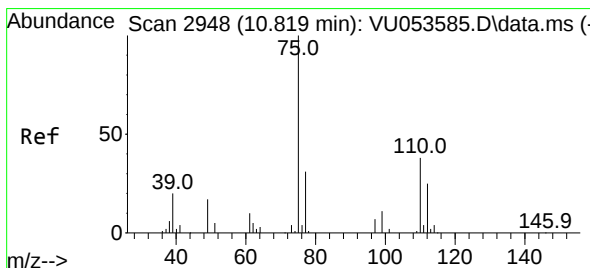
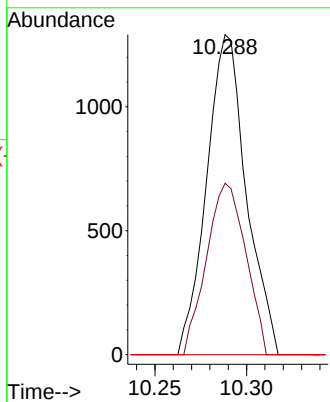
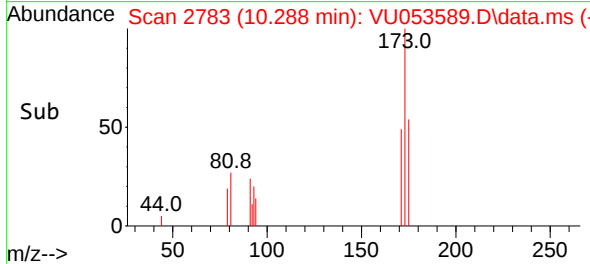
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



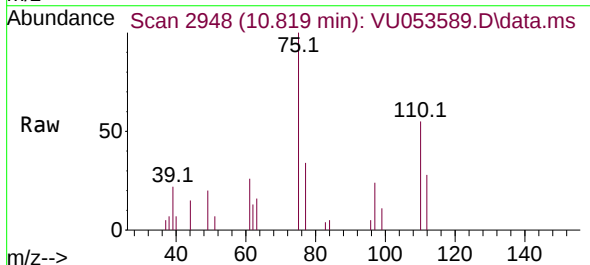
Tgt Ion:173 Resp: 1939
Ion Ratio Lower Upper
173 100
175 52.9 39.0 58.6
254 0.0 7.0 10.4

Manual Integrations
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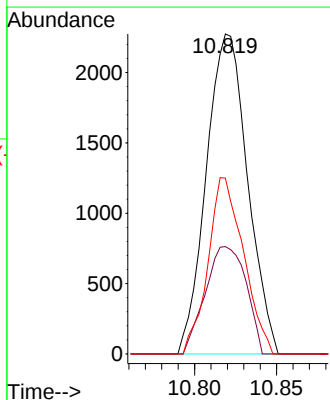
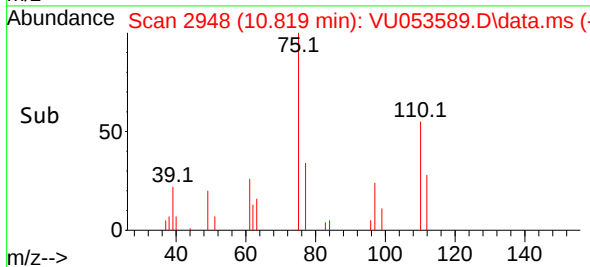
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

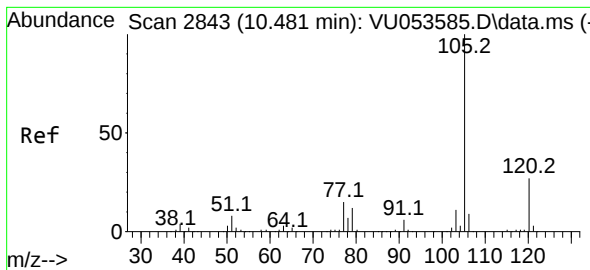


#60
1,2,3-Trichloropropane
Concen: 2.204 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54



Tgt Ion: 75 Resp: 3975
Ion Ratio Lower Upper
75 100
77 33.2 26.0 39.0
110 47.4 32.6 48.8





#61

Isopropylbenzene

Concen: 1.911 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

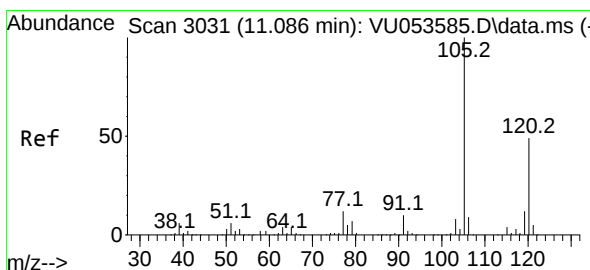
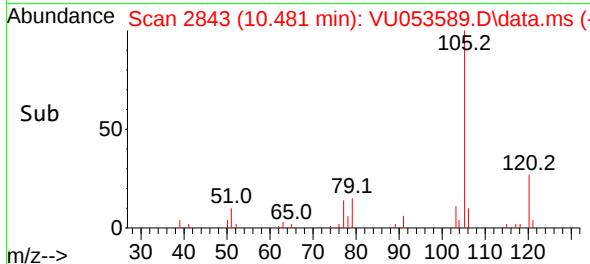
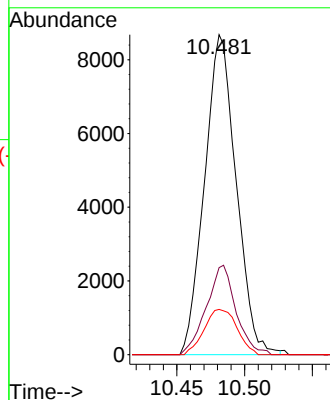
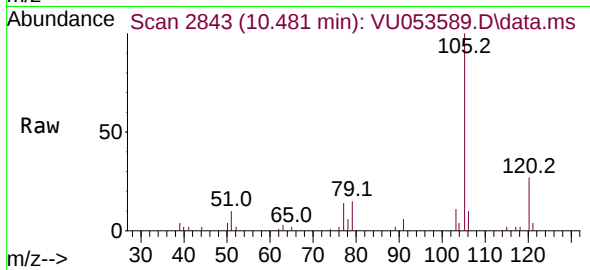
Tgt Ion:105	Resp:	1405
Ion Ratio	Lower	Upper
105	100	
120	26.1	22.4 33.6
77	14.7	12.1 18.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#62

1,3,5-Trimethylbenzene

Concen: 1.822 ug/L

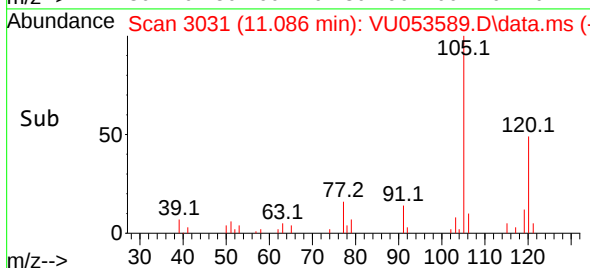
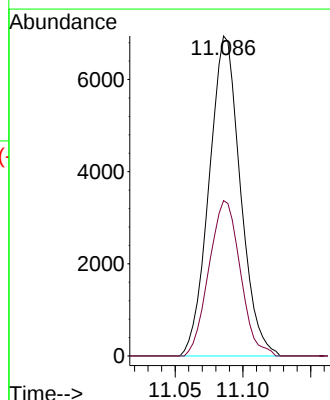
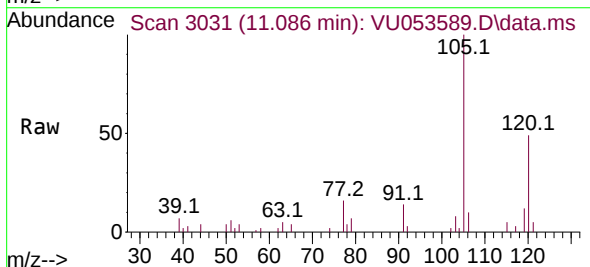
RT: 11.086 min Scan# 3031

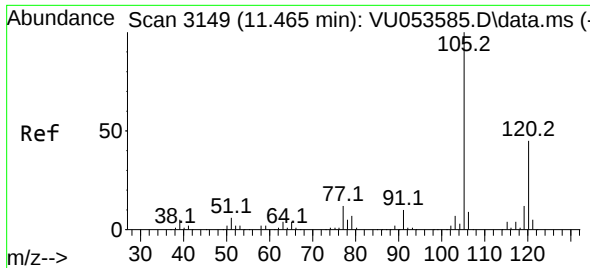
Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

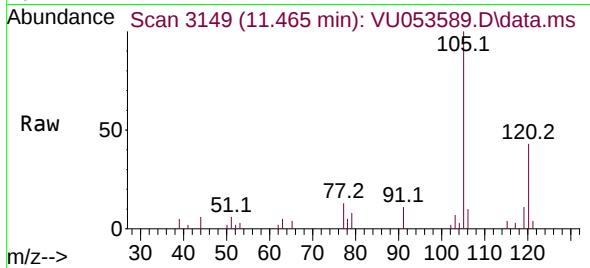
Tgt Ion:105	Resp:	11140
Ion Ratio	Lower	Upper
105	100	
120	48.7	39.5 59.3





#63
1,2,4-Trimethylbenzene
Concen: 1.843 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

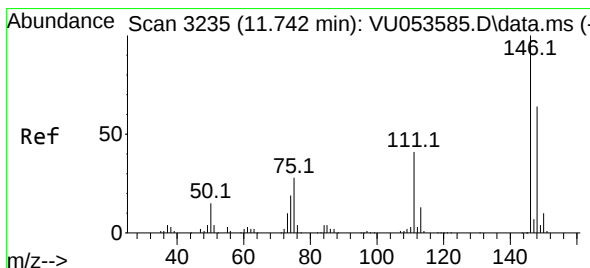
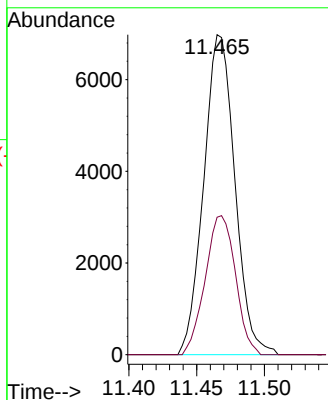
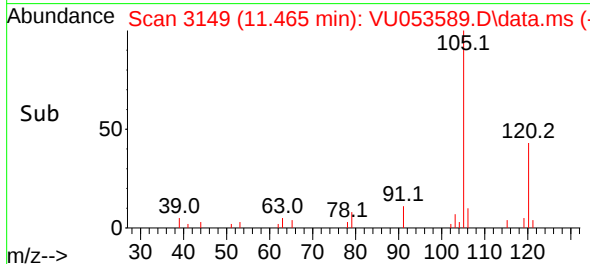
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



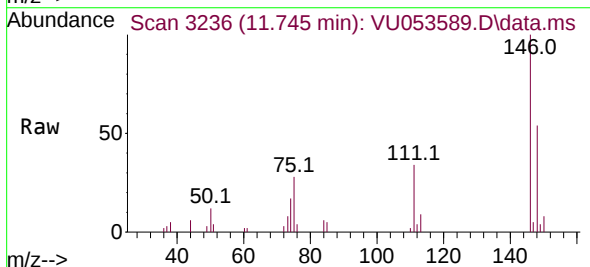
Tgt Ion:105 Resp: 11158
Ion Ratio Lower Upper
105 100
120 42.2 37.5 56.3

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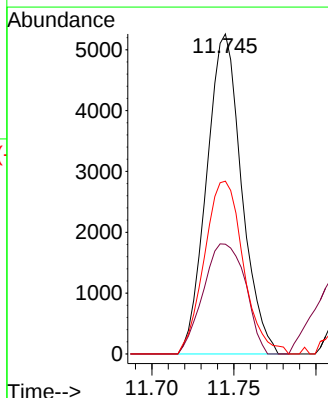
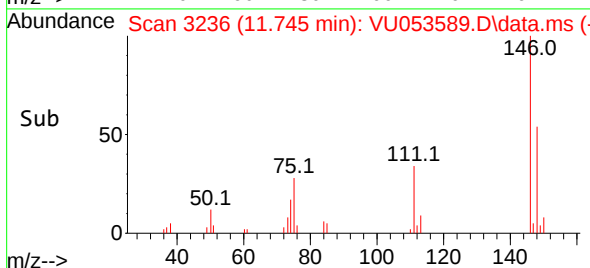
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

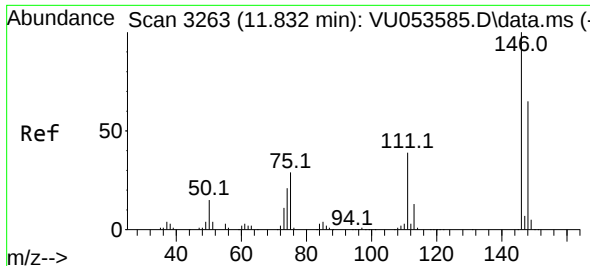


#64
1,3-Dichlorobenzene
Concen: 2.030 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54



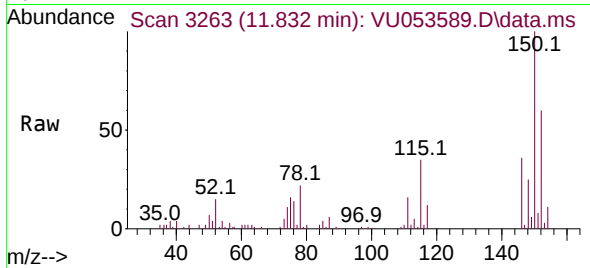
Tgt Ion:146 Resp: 7800
Ion Ratio Lower Upper
146 100
111 34.3 25.7 47.7
148 54.0 44.2 82.2





#65
1,4-Dichlorobenzene
Concen: 2.158 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

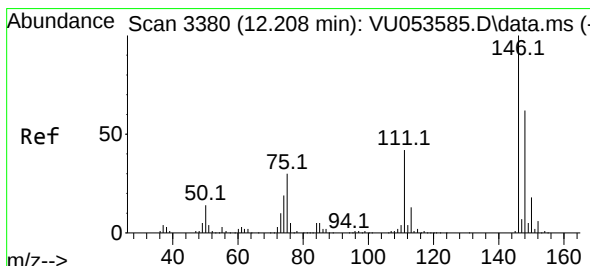
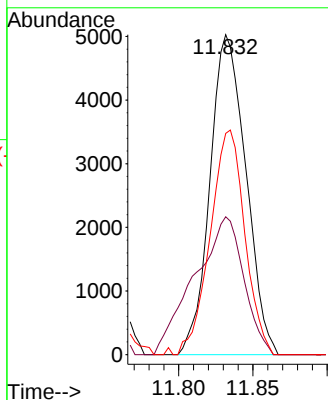
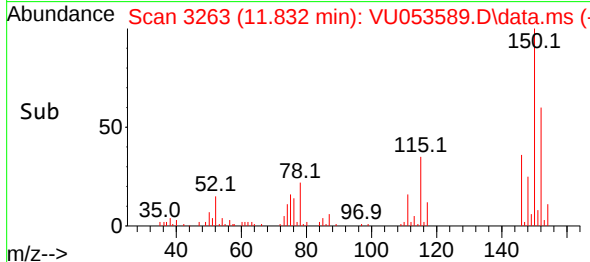
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03



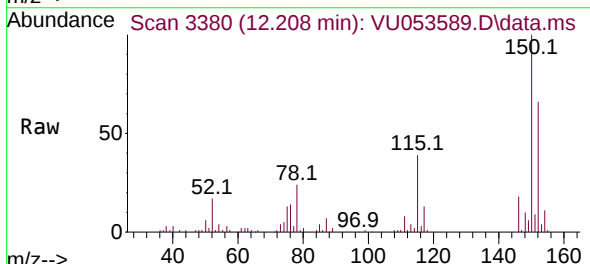
Tgt Ion:146 Resp: 845
Ion Ratio Lower Upper
146 100
111 43.1 25.1 46.5
148 69.2 44.3 82.3

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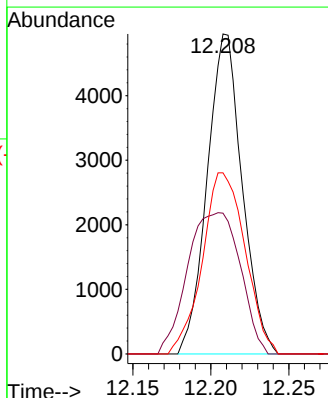
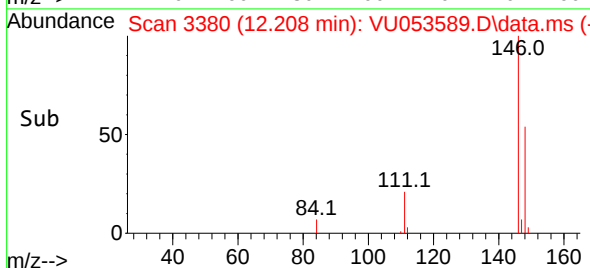
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

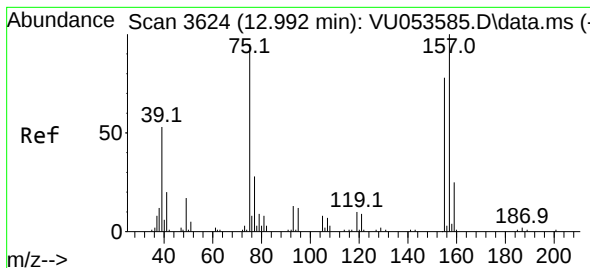


#67
1,2-Dichlorobenzene
Concen: 2.020 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54



Tgt Ion:146 Resp: 7737
Ion Ratio Lower Upper
146 100
111 44.0 31.5 47.3
148 56.6 51.6 77.4





#68

1,2-Dibromo-3-chloropropane

Concen: 1.705 ug/L m

RT: 12.996 min Scan# 3625

Delta R.T. 0.006 min

Lab File: VU053589.D

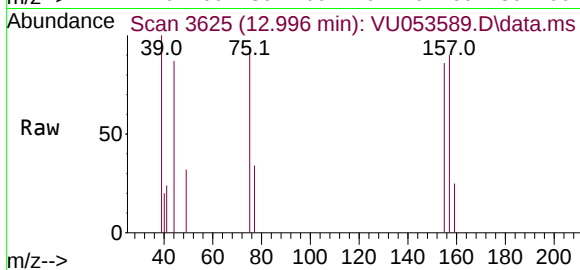
Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03



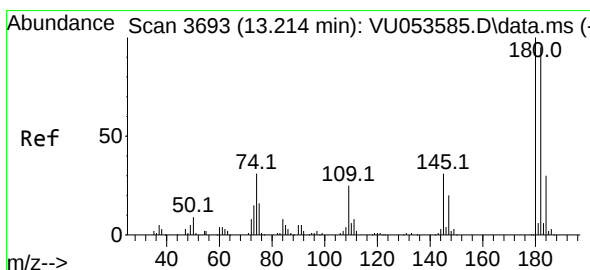
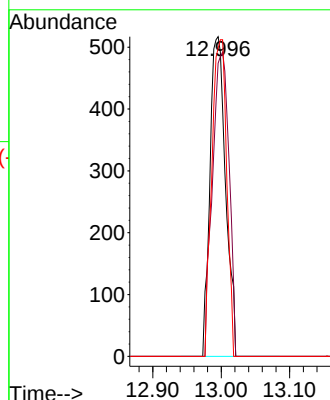
Tgt Ion: 75	Resp: 820
Ion Ratio	Lower Upper
75	100
155	91.7 79.9 119.9
157	96.3 100.8 151.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#69

1,3,5-Trichlorobenzene

Concen: 1.761 ug/L m

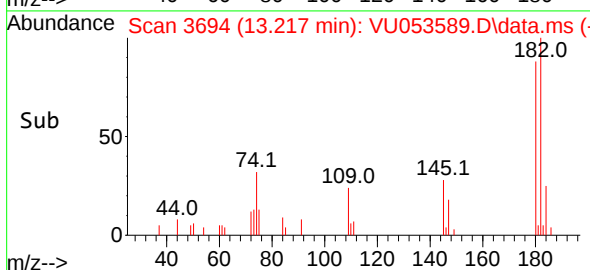
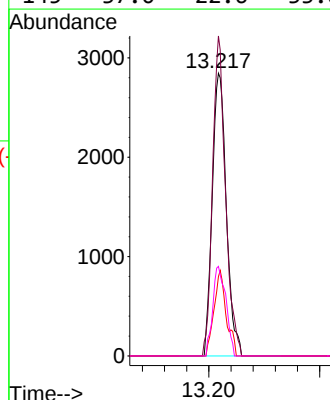
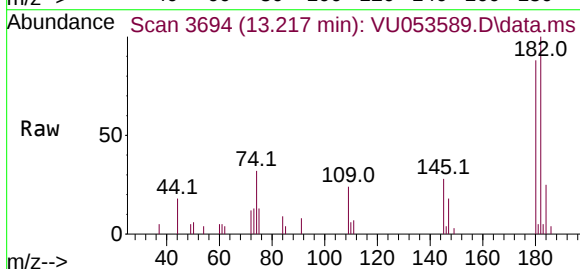
RT: 13.217 min Scan# 3694

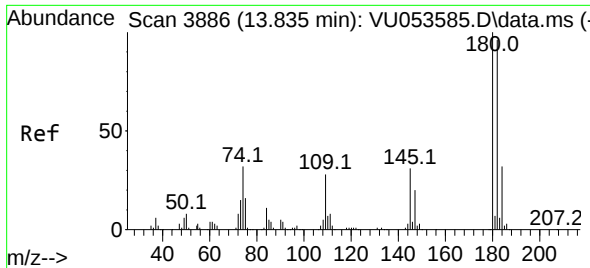
Delta R.T. 0.003 min

Lab File: VU053589.D

Acq: 06 Apr 2023 12:54

Tgt Ion:180	Resp: 5011
Ion Ratio	Lower Upper
180	100
182	109.7 75.6 113.4
184	35.2 24.2 36.2
145	37.0 22.6 33.8





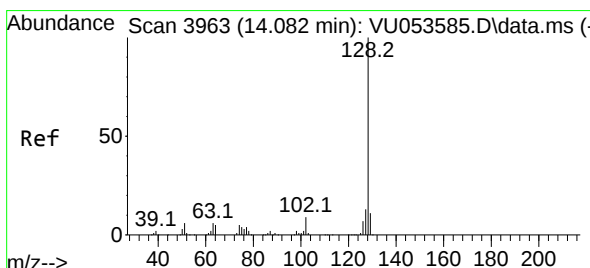
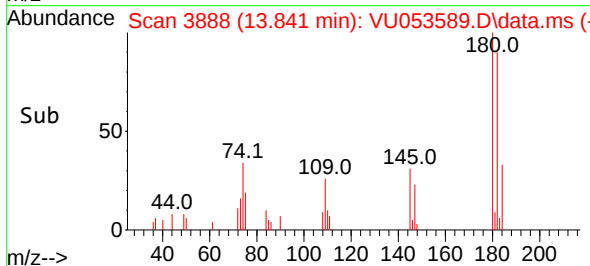
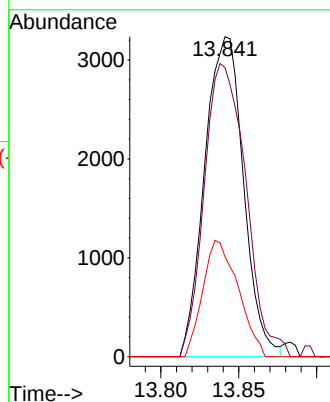
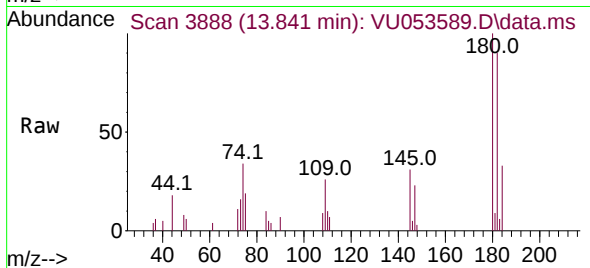
#70
1,2,4-trichlorobenzene
Concen: 2.121 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:180 Resp: 5598
Ion Ratio Lower Upper
180 100
182 98.2 75.8 113.8
145 33.2 23.4 35.2

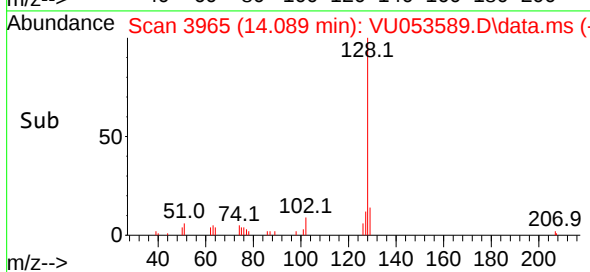
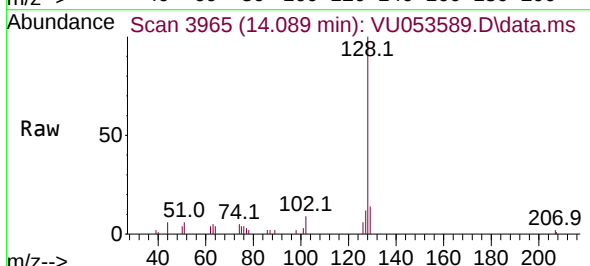
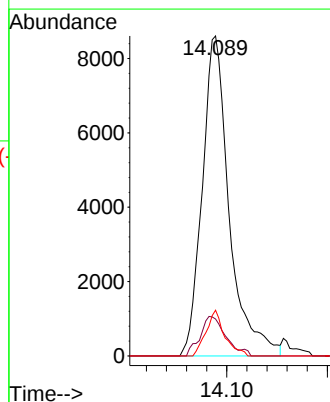
Manual Integrations
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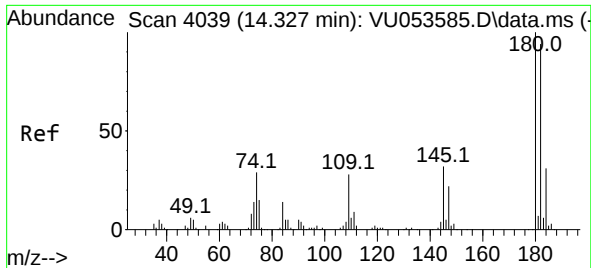
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#71
Naphthalene
Concen: 2.033 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.010 min
Lab File: VU053589.D
Acq: 06 Apr 2023 12:54

Tgt Ion:128 Resp: 16058
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.2
129 9.8 8.6 12.8





#72

1,2,3-Trichlorobenzene

Concen: 1.998 ug/L

RT: 14.330 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU053589.D

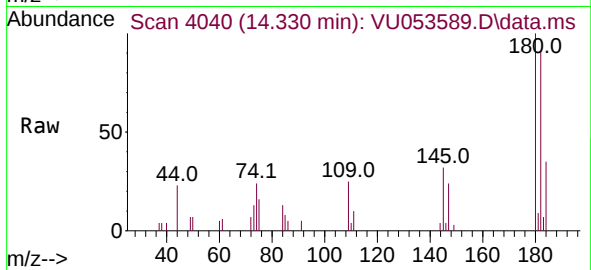
Acq: 06 Apr 2023 12:54

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03



Tgt Ion:180	Resp:	5264
Ion Ratio	Lower	Upper
180	100	
182	89.6	77.0 115.6
145	31.1	25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023

