

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052949.D
 Acq On : 03 Feb 2023 16:53
 Operator : JC/MD
 Sample : 01378-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-01

Quant Time: Feb 04 00:43:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

02/06/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	199103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	199513	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	103829	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	56158	39.188	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.380%
7) Chloroethane-d5	1.909	69	56866	48.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.320%
11) 1,1-Dichloroethene-d2	2.562	63	94697	33.224	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.440%
21) 2-Butanone-d5	4.623	46	76390	86.290	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.290%
24) Chloroform-d	5.057	84	150088	49.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.140%
26) 1,2-Dichloroethane-d4	5.693	65	101456	51.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.900%
32) Benzene-d6	5.722	84	274539	45.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.080%
36) 1,2-Dichloropropane-d6	6.684	67	84853	47.465	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.920%
41) Toluene-d8	7.893	98	243367	43.846	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.700%
43) trans-1,3-Dichloroprop...	8.176	79	41447	46.257	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.520%
47) 2-Hexanone-d5	8.639	63	52180	83.070	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.070%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	121218	45.893	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	103018	51.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	4074	2.185	ug/L	94
3) Chloromethane	1.520	50	3966	2.579	ug/L	100
5) Vinyl chloride	1.604	62	4262	2.505	ug/L #	76
6) Bromomethane	1.858	94	2913	2.715	ug/L	92
8) Chloroethane	1.928	64	3175	2.972	ug/L	96
9) Trichlorofluoromethane	2.131	101	7315	2.567	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	4581	2.852	ug/L	86
12) 1,1-Dichloroethene	2.575	96	4254	2.888	ug/L #	1
13) Acetone	2.636	43	4687	4.335	ug/L	94
14) Carbon disulfide	2.790	76	9474	2.130	ug/L	100
15) Methyl Acetate	2.951	43	2727	1.872	ug/L #	74
17) trans-1,2-Dichloroethene	3.353	96	3655	2.296	ug/L	85
18) Methyl tert-butyl Ether	3.359	73	10515	2.247	ug/L #	75
19) 1,1-Dichloroethane	3.864	63	6410m	2.296	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	3426m	2.016	ug/L	
22) 2-Butanone	4.716	43	4651m	4.024	ug/L	
23) Bromochloromethane	4.973	128	2036	2.133	ug/L	88
25) Chloroform	5.079	83	8982	2.866	ug/L	89
27) 1,2-Dichloroethane	5.793	62	6685	2.695	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.382	56	4585	1.939	ug/L	#	88
30) 1,1,1-Trichloroethane	5.311	97	7139	2.433	ug/L		90
31) Carbon tetrachloride	5.517	117	5694	2.238	ug/L		100
33) Benzene	5.771	78	16775	2.470	ug/L		100
34) Trichloroethene	6.539	95	4334	2.511	ug/L		93
35) Methylcyclohexane	6.758	83	5510	2.017	ug/L		95
37) 1,2-Dichloropropane	6.790	63	3977	2.382	ug/L	#	85
38) Bromodichloromethane	7.102	83	5426	2.214	ug/L		90
39) cis-1,3-Dichloropropene	7.607	75	5895	2.254	ug/L		93
40) 4-Methyl-2-pentanone	7.790	43	7277	3.699	ug/L		97
42) Toluene	7.967	91	15814	2.272	ug/L		92
44) trans-1,3-Dichloropropene	8.205	75	5933	2.308	ug/L		98
45) 1,1,2-Trichloroethane	8.398	97	4174	2.445	ug/L		91
46) Tetrachloroethene	8.549	164	3521	2.369	ug/L		88
49) Dibromochloromethane	8.806	129	4858	2.379	ug/L		83
50) 1,2-Dibromoethane	8.918	107	4091	2.226	ug/L	#	89
51) Chlorobenzene	9.443	112	11513	2.404	ug/L		98
52) Ethylbenzene	9.568	91	14871	1.999	ug/L		98
53) m,p-Xylene	9.693	106	5943	1.974	ug/L		99
54) o-xylene	10.098	106	5770	2.007	ug/L		87
55) Styrene	10.111	104	8422	1.707	ug/L		93
57) 1,1,2,2-Tetrachloroethane	10.780	83	6539	2.366	ug/L		95
59) Bromoform	10.288	173	3482	2.447	ug/L	#	93
60) 1,2,3-Trichloropropane	10.819	75	4842	2.404	ug/L		99
61) Isopropylbenzene	10.481	105	13387	1.996	ug/L		99
62) 1,3,5-Trimethylbenzene	11.082	105	10950	1.961	ug/L		96
63) 1,2,4-Trimethylbenzene	11.465	105	10142	1.877	ug/L		97
64) 1,3-Dichlorobenzene	11.741	146	7182	2.123	ug/L		95
65) 1,4-Dichlorobenzene	11.835	146	9144	2.611	ug/L		92
67) 1,2-Dichlorobenzene	12.208	146	10900	3.185	ug/L		99
68) 1,2-Dibromo-3-chloropr...	12.995	75	1130	1.957	ug/L		91
69) 1,3,5-Trichlorobenzene	13.217	180	5610	2.240	ug/L		99
70) 1,2,4-trichlorobenzene	13.838	180	4942	2.353	ug/L		96
71) Naphthalene	14.082	128	11160	1.849	ug/L		98
72) 1,2,3-Trichlorobenzene	14.323	180	4683	2.110	ug/L		96

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

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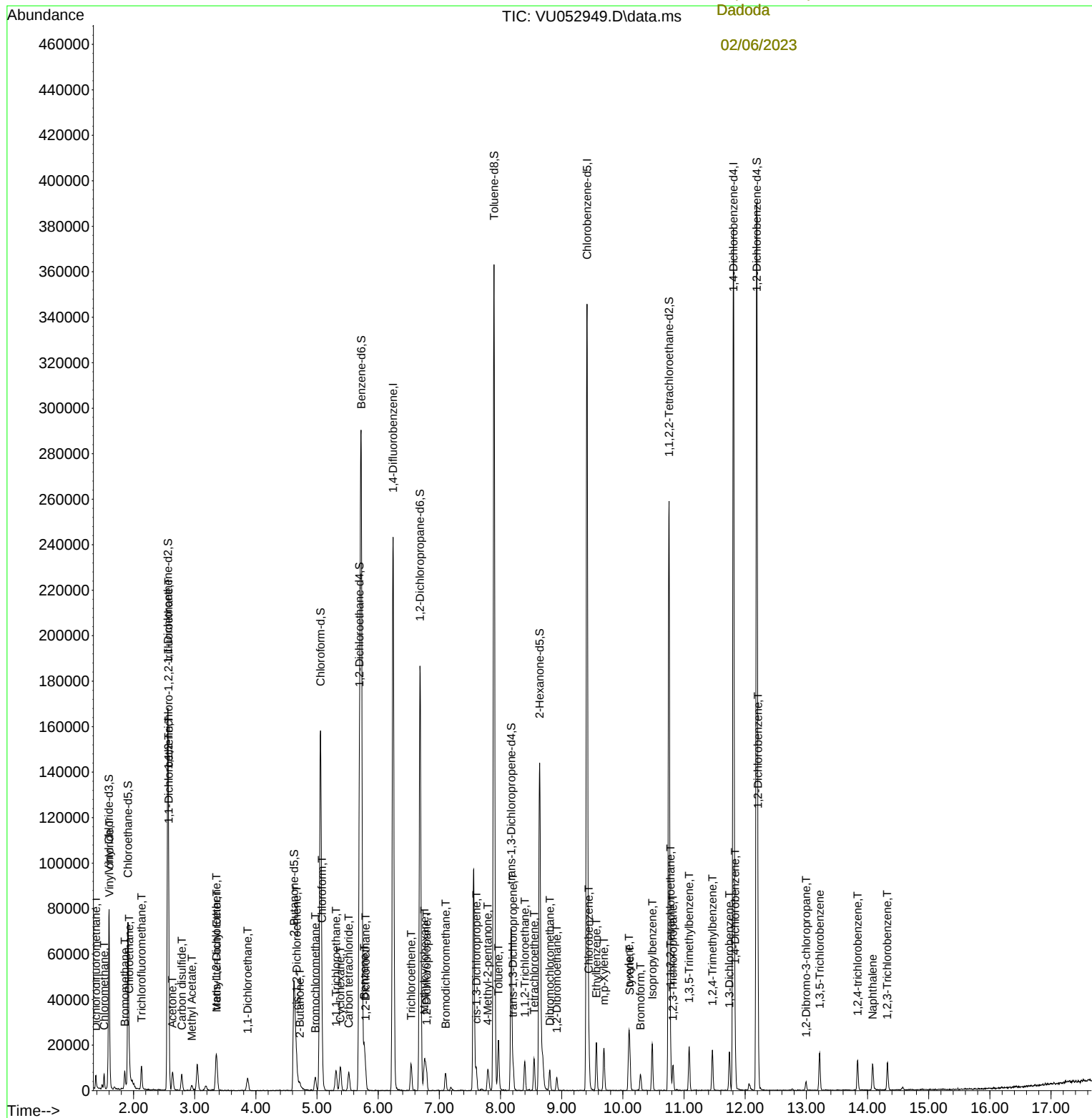
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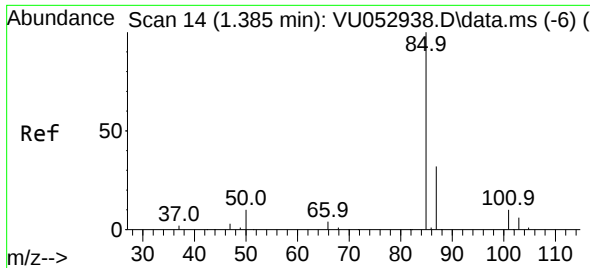
Manual Integrations
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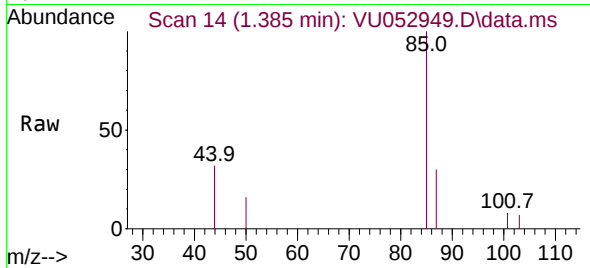
02/06/2023





#2
Dichlorodifluoromethane
Concen: 2.185 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



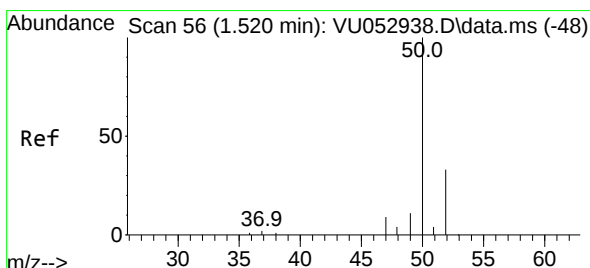
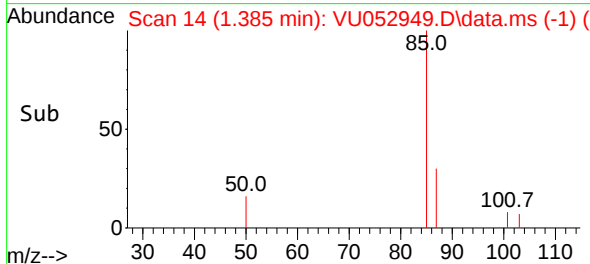
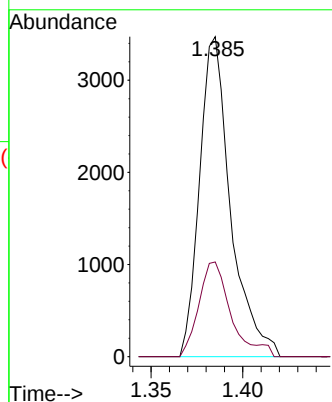
Tgt Ion: 85 Resp: 4074
Ion Ratio Lower Upper
85 100
87 29.4 26.4 39.6

Manual Integrations
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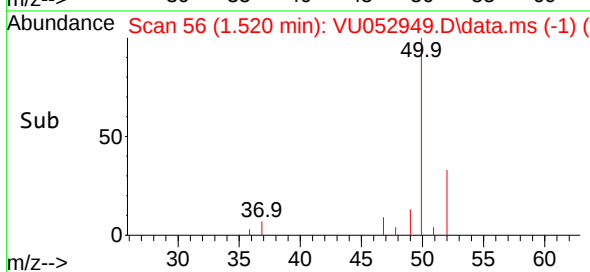
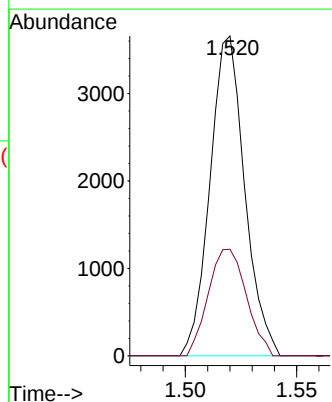
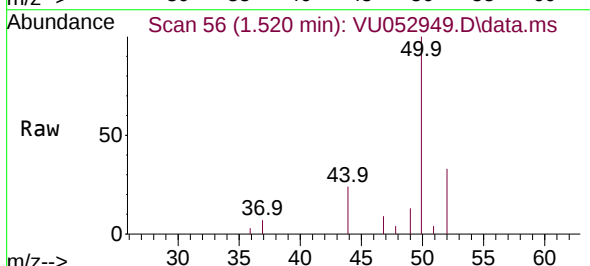
02/06/2023
Supervised By :Mahesh
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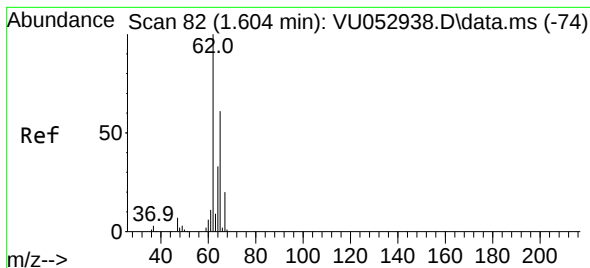
02/06/2023



#3
Chloromethane
Concen: 2.579 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 50 Resp: 3966
Ion Ratio Lower Upper
50 100
52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 2.505 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 62 Resp: 4262

Ion Ratio Lower Upper

62 100

64 45.3 22.4 41.6

Manual Integrations

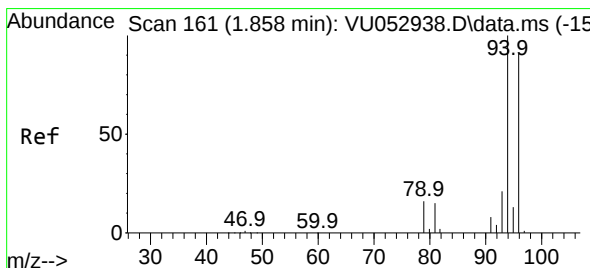
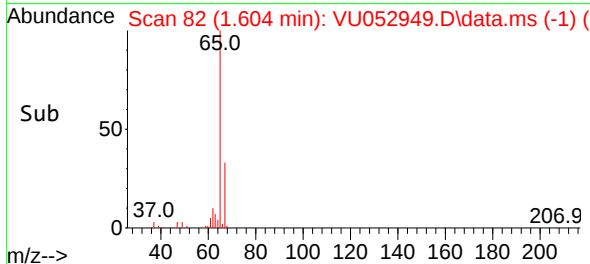
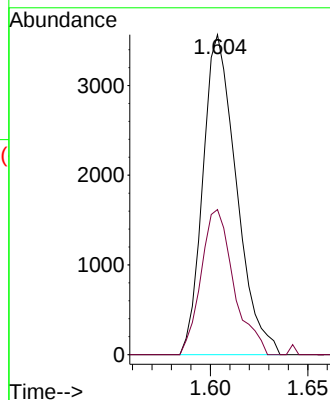
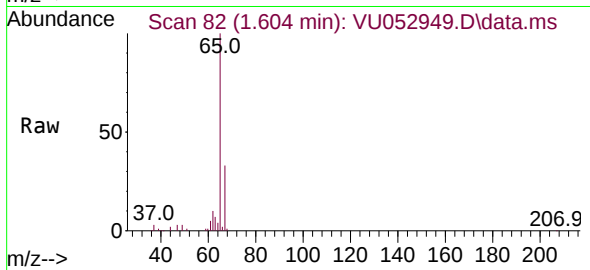
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02/06/2023



#6

Bromomethane

Concen: 2.715 ug/L

RT: 1.858 min Scan# 161

Delta R.T. 0.000 min

Lab File: VU052949.D

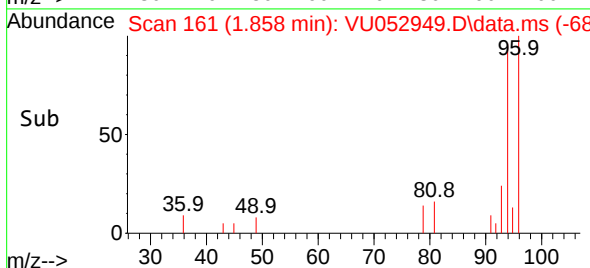
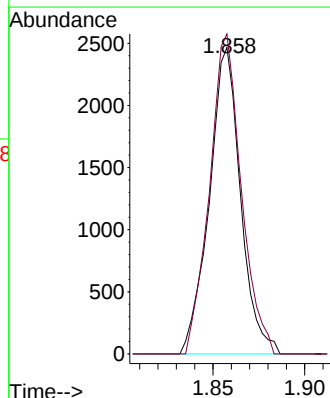
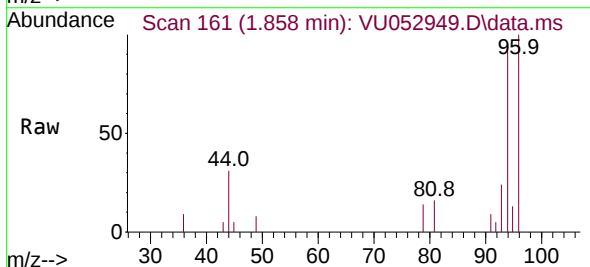
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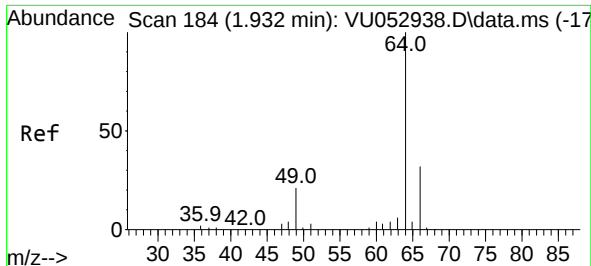
Tgt Ion: 94 Resp: 2913

Ion Ratio Lower Upper

94 100

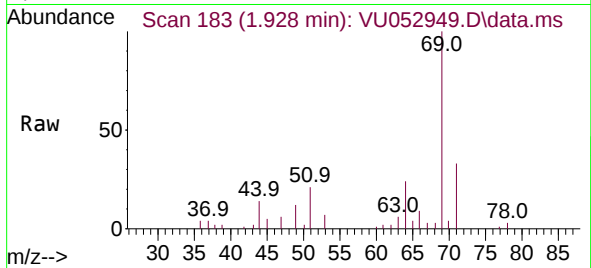
96 104.5 67.8 125.8





#8
Chloroethane
Concen: 2.972 ug/L
RT: 1.928 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01



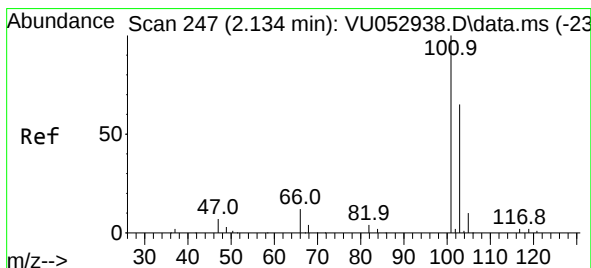
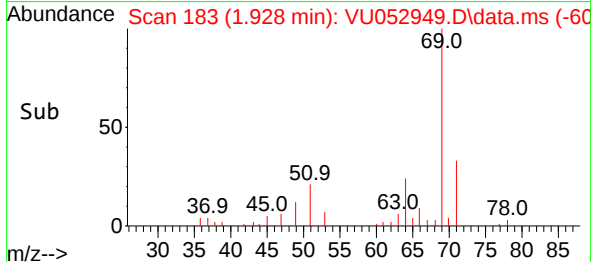
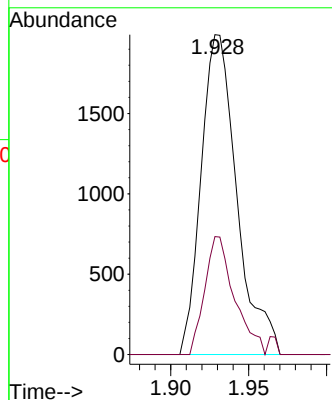
Tgt Ion: 64 Resp: 3175
Ion Ratio Lower Upper
64 100
66 36.9 24.1 44.7

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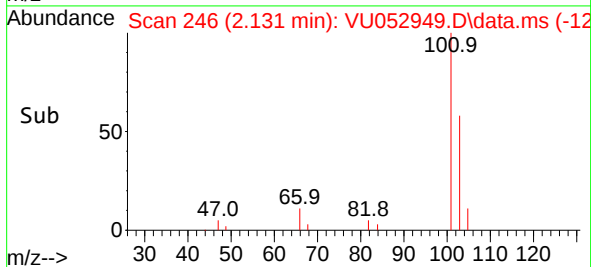
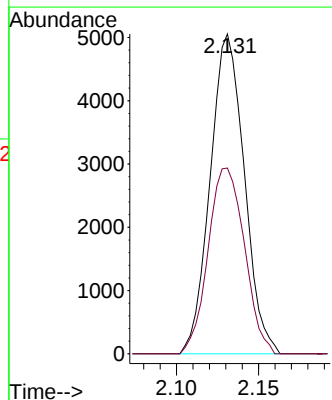
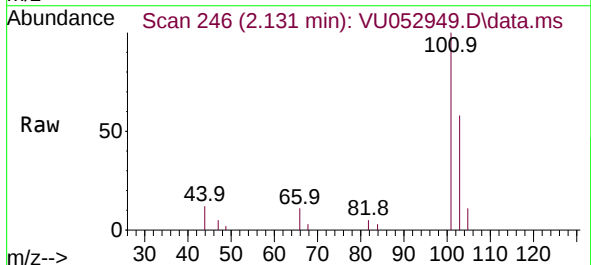
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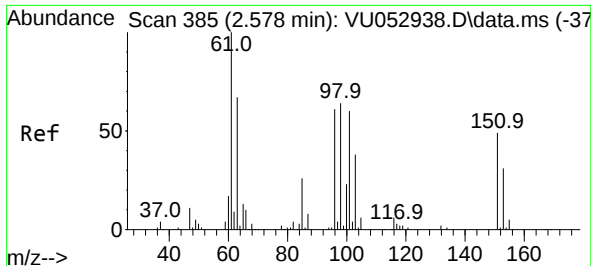
02/06/2023



#9
Trichlorofluoromethane
Concen: 2.567 ug/L
RT: 2.131 min Scan# 246
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:101 Resp: 7315
Ion Ratio Lower Upper
101 100
103 61.8 52.0 78.0





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.852 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
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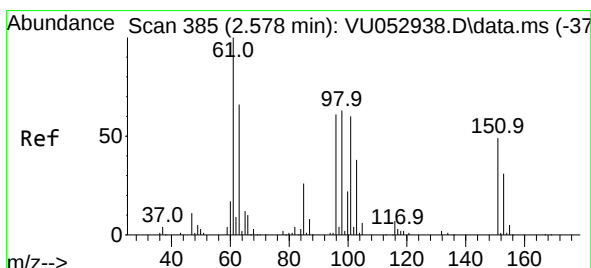
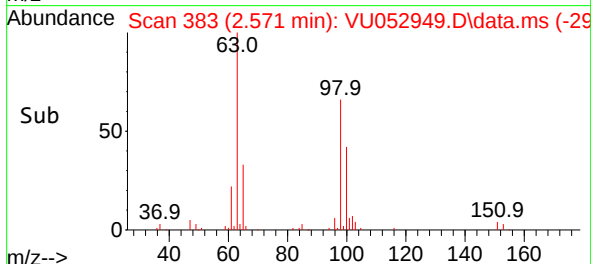
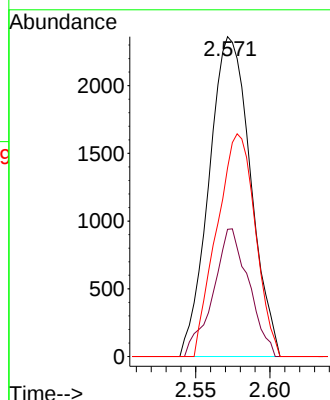
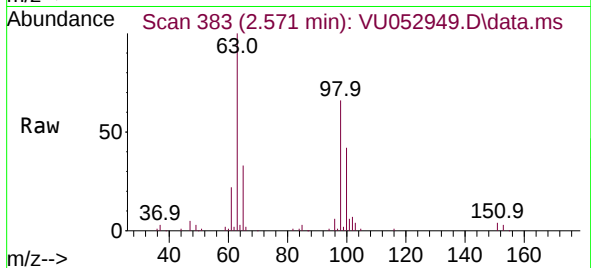
Tgt Ion:101 Resp: 458
Ion Ratio Lower Upper
101 100
85 34.4 32.9 49.3
151 64.7 62.6 94.0

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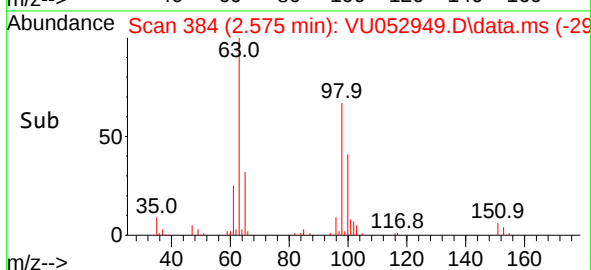
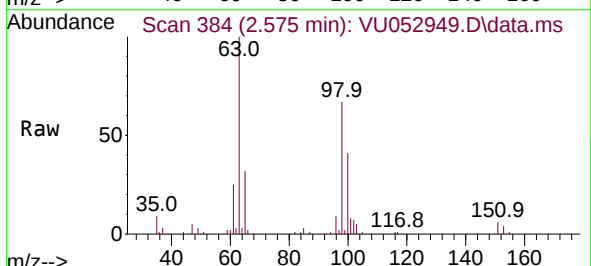
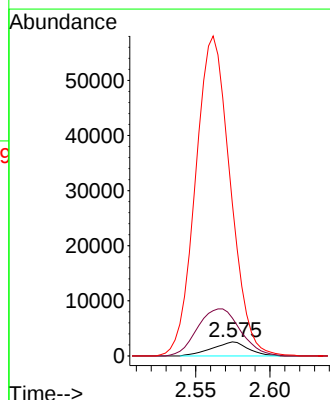
02/06/2023
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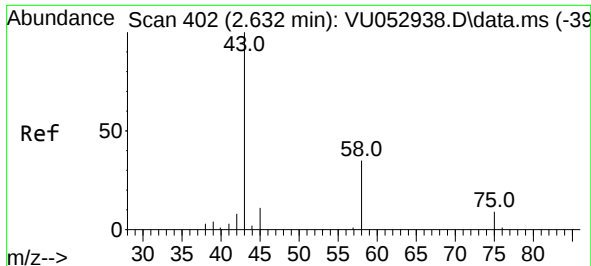
02/06/2023



#12
1,1-Dichloroethene
Concen: 2.888 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 96 Resp: 4254
Ion Ratio Lower Upper
96 100
61 271.3 114.3 212.3#
63 1092.3 80.6 149.6#





#13

Acetone

Concen: 4.335 ug/L

RT: 2.636 min Scan# 402

Delta R.T. 0.003 min

Lab File: VU052949.D

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Tgt Ion: 43 Resp: 468
 Ion Ratio Lower Upper
 43 100
 58 38.8 0.0 70.2

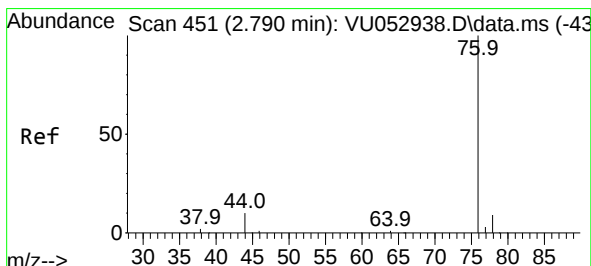
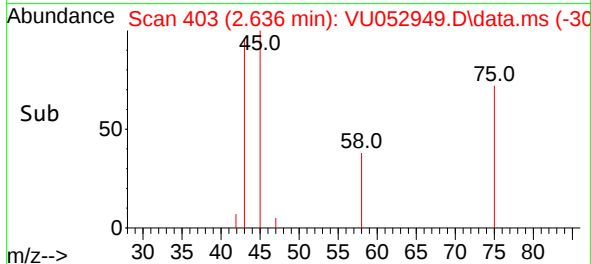
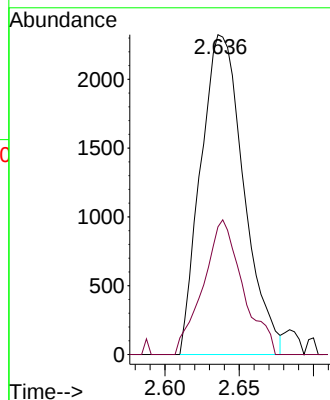
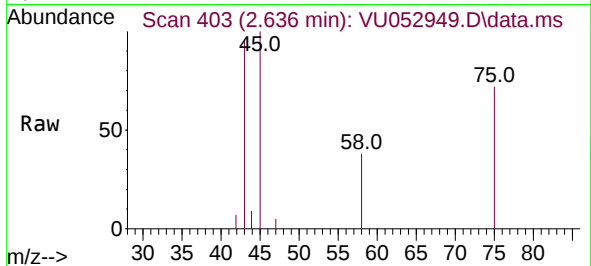
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#14

Carbon disulfide

Concen: 2.130 ug/L

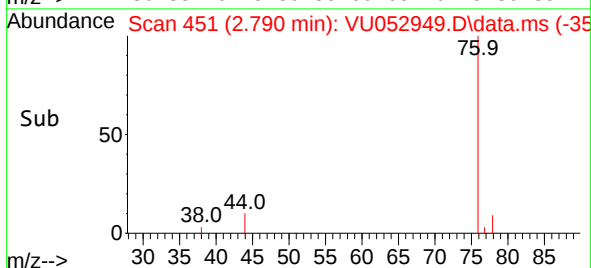
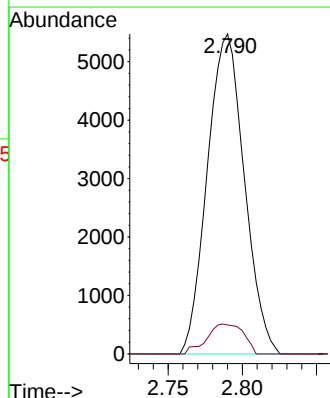
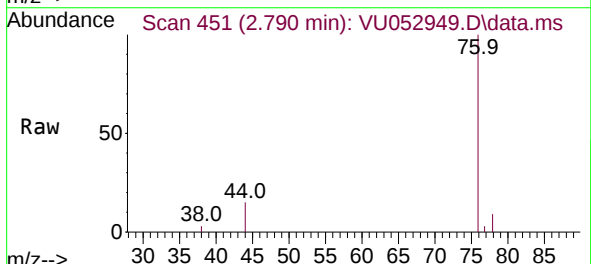
RT: 2.790 min Scan# 451

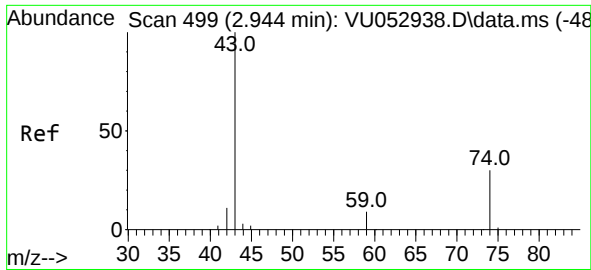
Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion: 76 Resp: 9474
 Ion Ratio Lower Upper
 76 100
 78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 1.872 ug/L

RT: 2.951 min Scan# 501

Delta R.T. 0.006 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 272

Ion	Ratio	Lower	Upper
43	100		
74	14.2	22.0	33.0

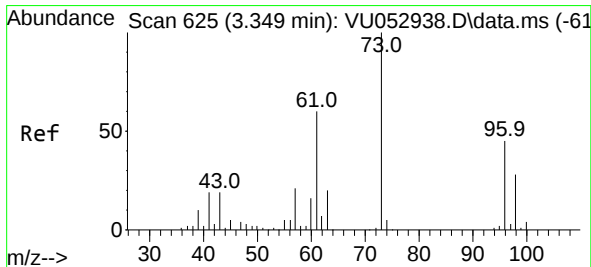
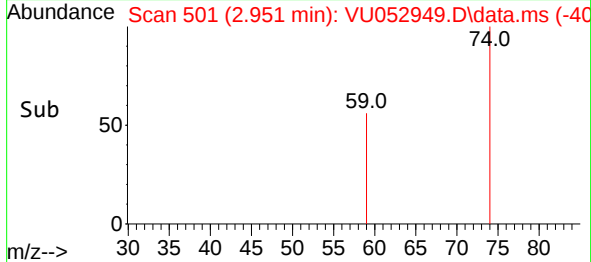
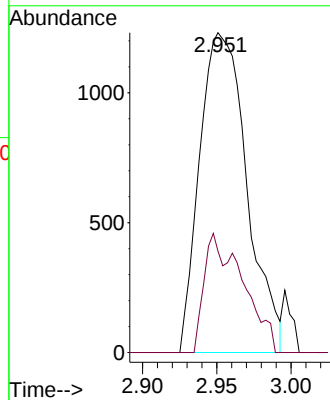
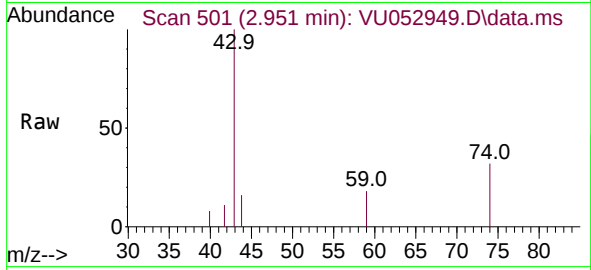
Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#17

trans-1,2-Dichloroethene

Concen: 2.296 ug/L

RT: 3.353 min Scan# 626

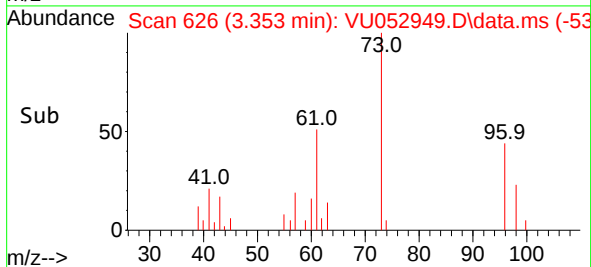
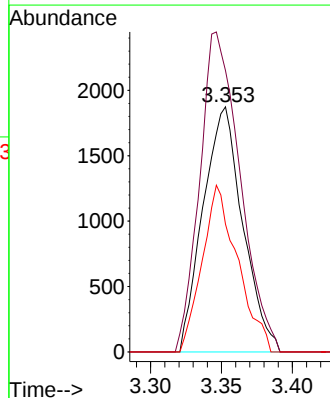
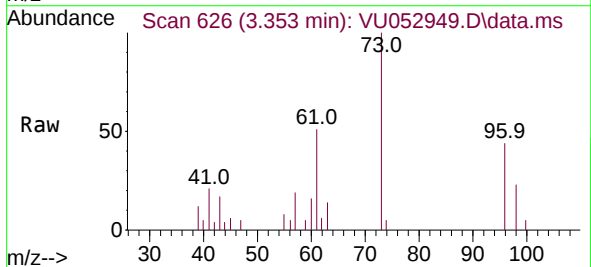
Delta R.T. 0.003 min

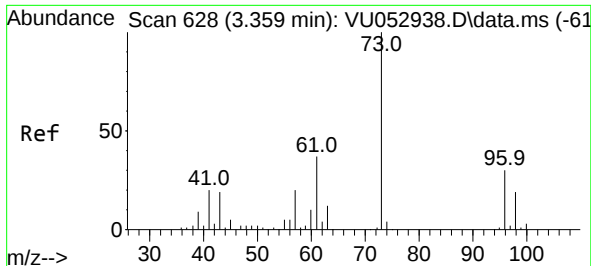
Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion: 96 Resp: 3655

Ion	Ratio	Lower	Upper
96	100		
61	114.8	92.7	172.3
98	52.1	44.7	82.9





#18
Methyl tert-butyl Ether
Concen: 2.247 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

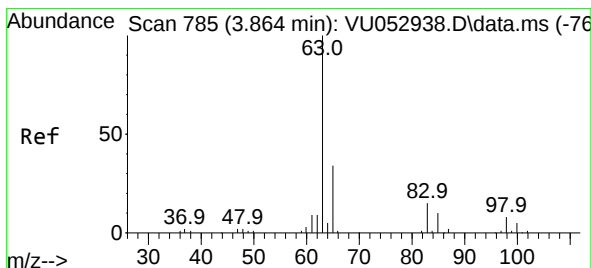
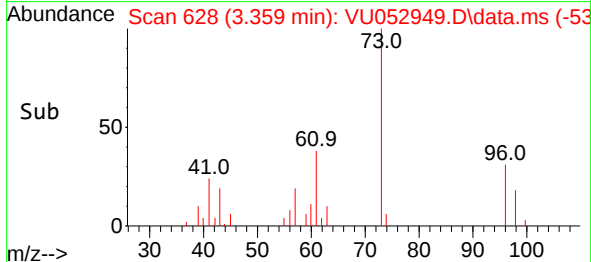
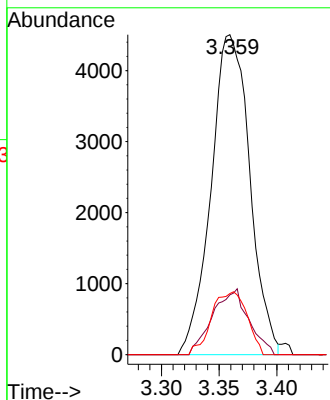
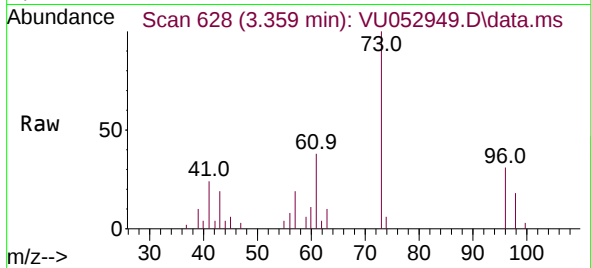
Tgt Ion: 73 Resp: 1051
Ion Ratio Lower Upper
73 100
43 19.1 14.2 21.2
57 0.0 16.3 24.5

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Reviewed By :Krupa
Patel

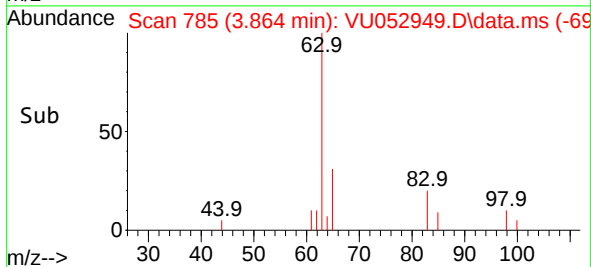
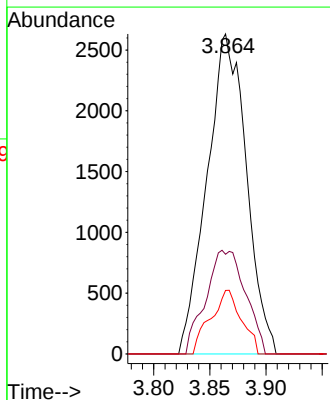
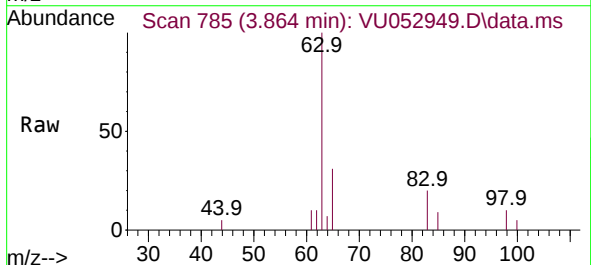
02/06/2023
Supervised By :Mahesh
Dadoda

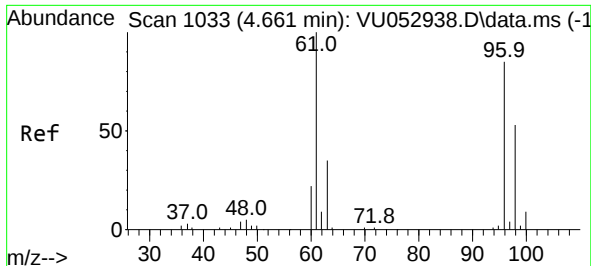
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#19
1,1-Dichloroethane
Concen: 2.296 ug/L m
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

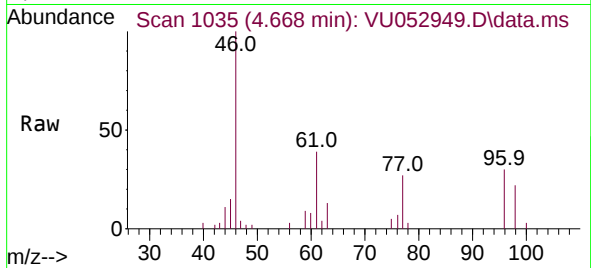
Tgt Ion: 63 Resp: 6410
Ion Ratio Lower Upper
63 100
65 31.1 22.4 41.6
83 19.8 9.2 17.2





#20
cis-1,2-Dichloroethene
Concen: 2.016 ug/L m
RT: 4.668 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01



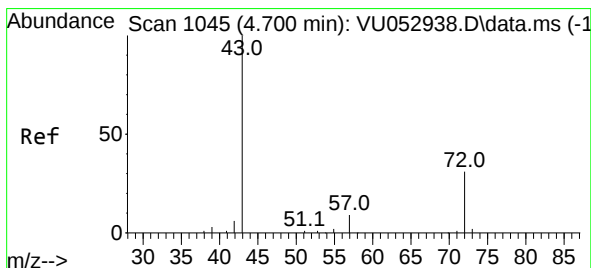
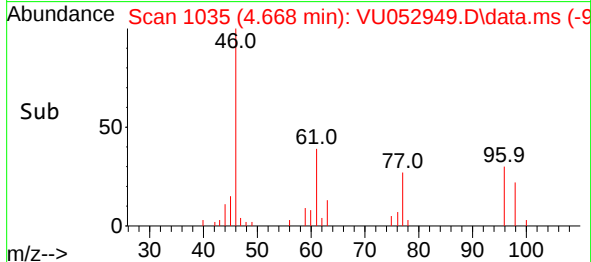
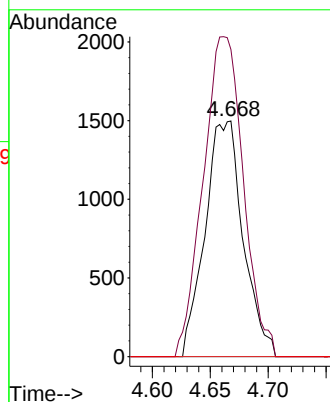
Tgt Ion: 96 Resp: 3426
Ion Ratio Lower Upper
96 100
61 130.3 84.1 156.1
68 0.0 0.0 0.0

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Reviewed By :Krupa
Patel

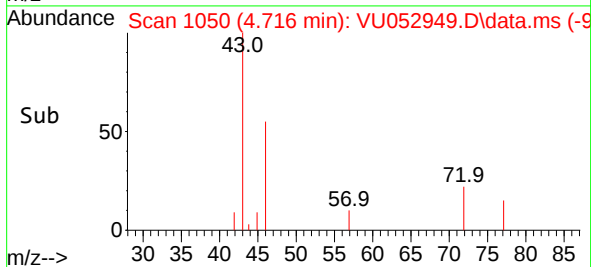
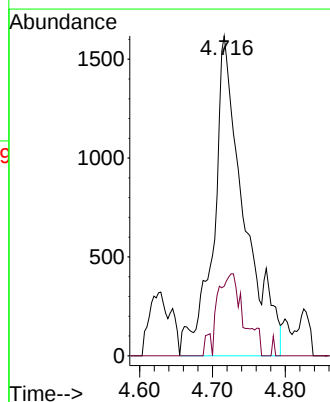
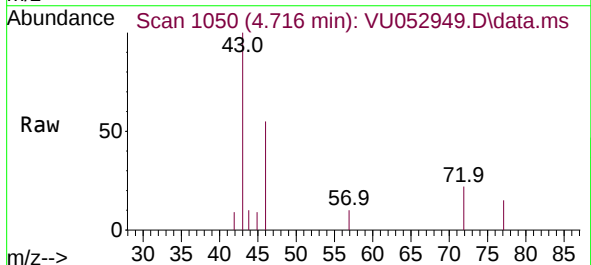
02/06/2023
Supervised By :Mahesh
Dadoda

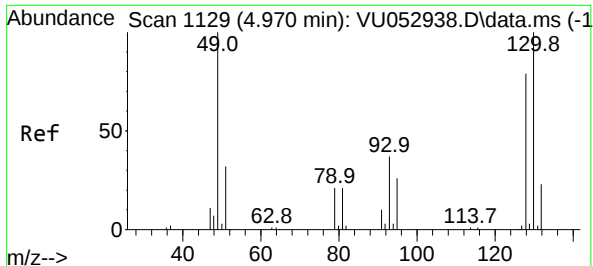
02/06/2023



#22
2-Butanone
Concen: 4.024 ug/L m
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 43 Resp: 4651
Ion Ratio Lower Upper
43 100
72 1.3 15.5 46.5#





#23

Bromochloromethane

Concen: 2.133 ug/L

RT: 4.973 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VU052949.D

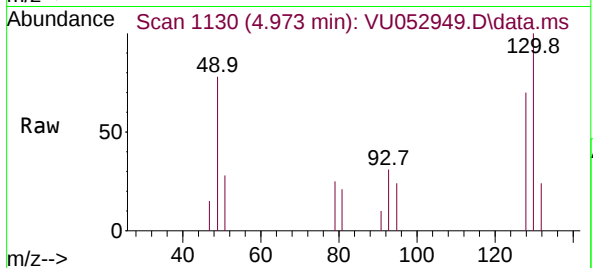
Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01



Tgt Ion:128 Resp: 2036

Ion Ratio Lower Upper

128 100

49 111.0 90.1 167.3

130 142.1 90.1 167.3

51 40.3 35.0 52.6

Manual Integrations

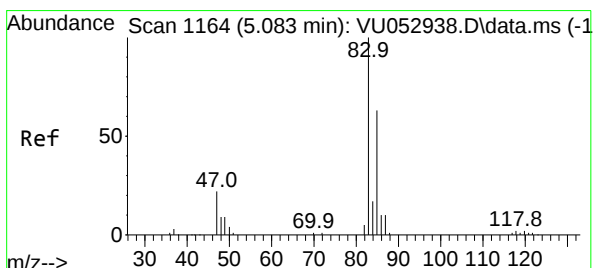
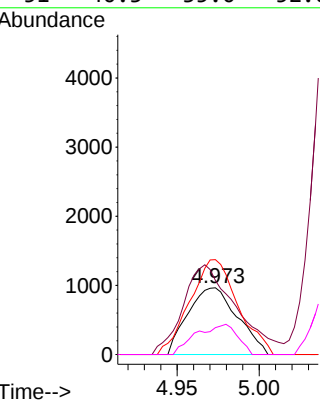
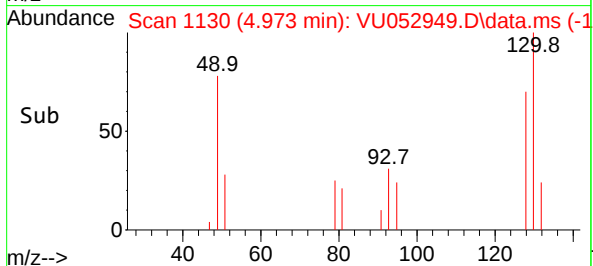
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#25

Chloroform

Concen: 2.866 ug/L

RT: 5.079 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VU052949.D

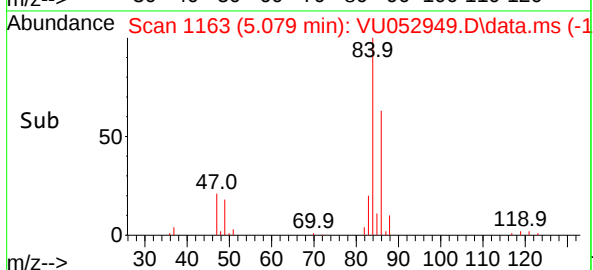
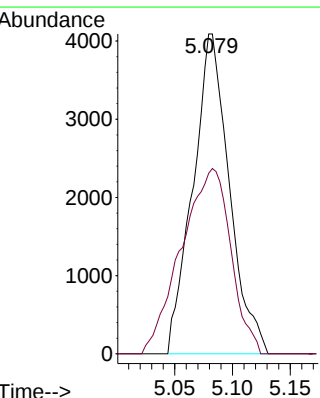
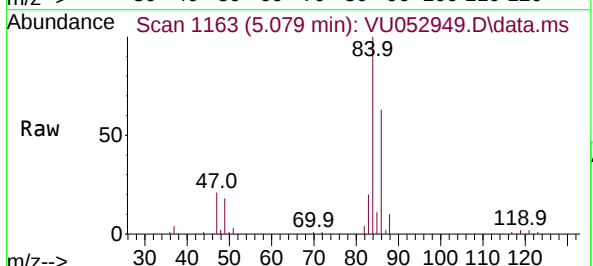
Acq: 03 Feb 2023 16:53

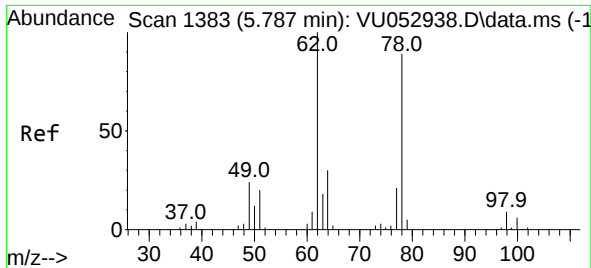
Tgt Ion: 83 Resp: 8982

Ion Ratio Lower Upper

83 100

85 56.4 45.8 85.0





#27
1,2-Dichloroethane
Concen: 2.695 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

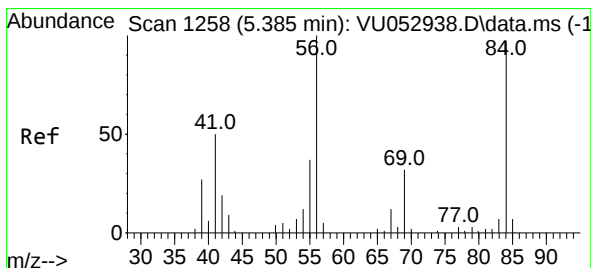
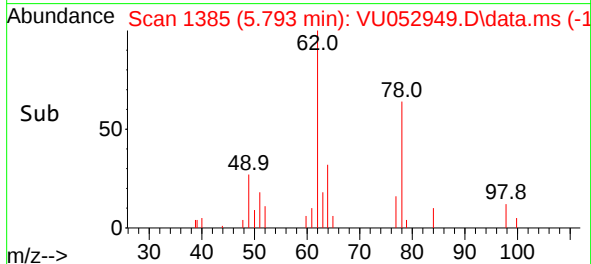
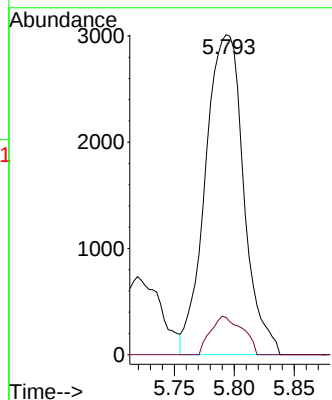
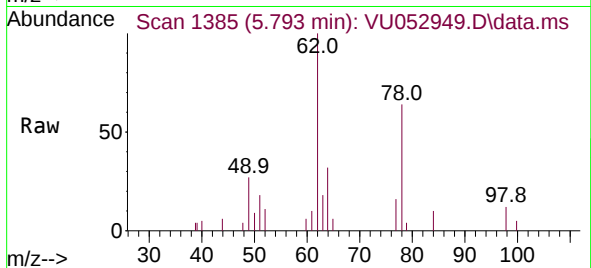
Tgt Ion: 62 Resp: 6685
Ion Ratio Lower Upper
62 100
98 11.6 7.6 11.4

Manual Integrations
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Reviewed By :Krupa
Patel

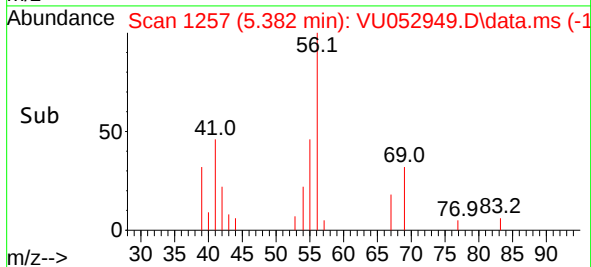
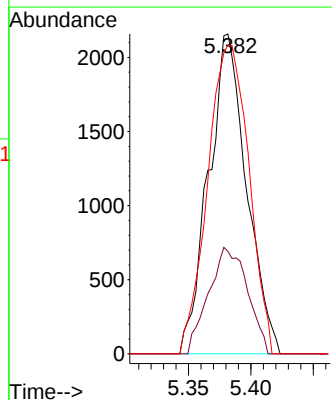
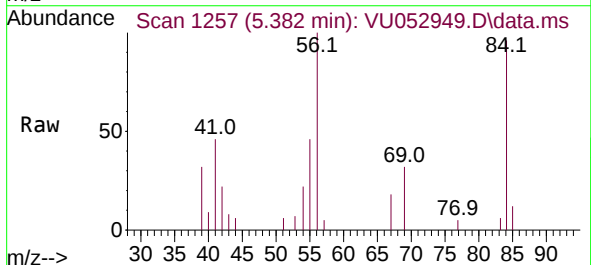
02/06/2023
Supervised By :Mahesh
Dadoda

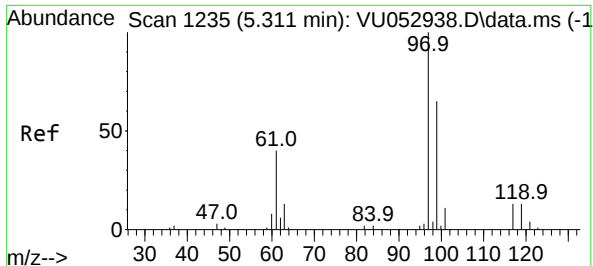
02/06/2023



#29
Cyclohexane
Concen: 1.939 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 20.8 26.6 40.0
84 104.3 77.0 115.4





#30

1,1,1-Trichloroethane

Concen: 2.433 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 97	Resp: 7139
Ion Ratio	Lower Upper
97 100	
99 51.7	51.4 77.0
61 40.2	33.0 49.6

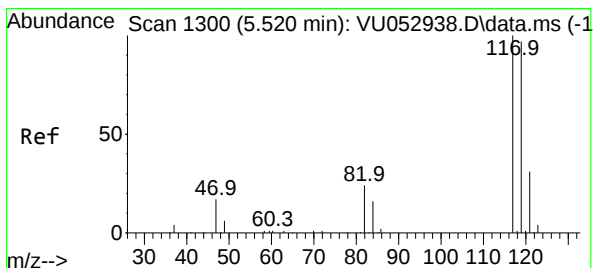
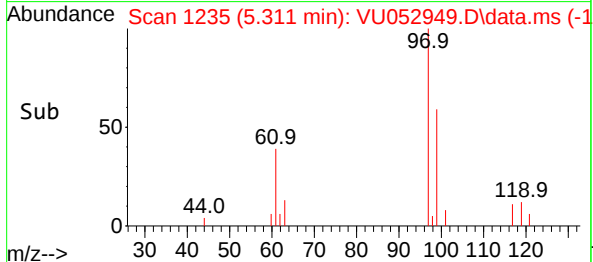
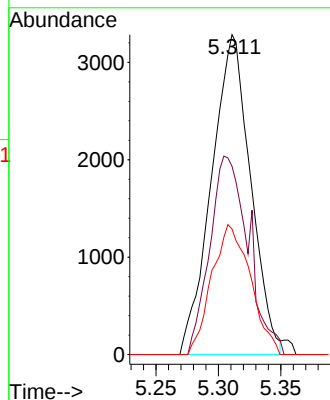
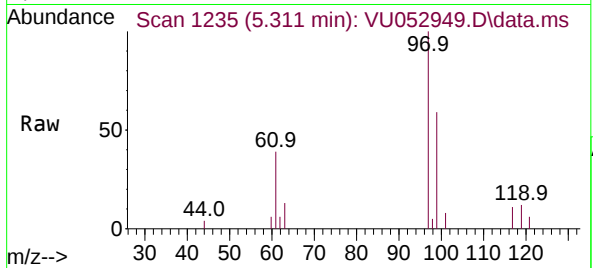
Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#31

Carbon tetrachloride

Concen: 2.238 ug/L

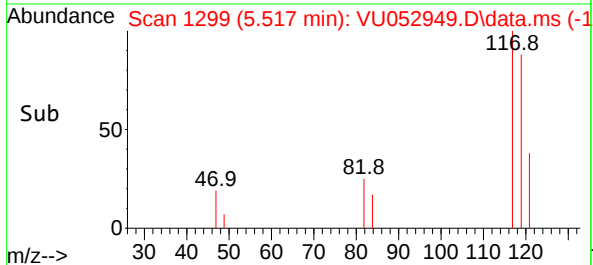
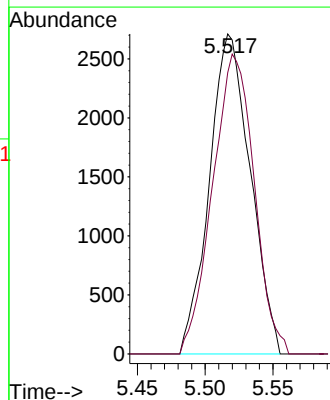
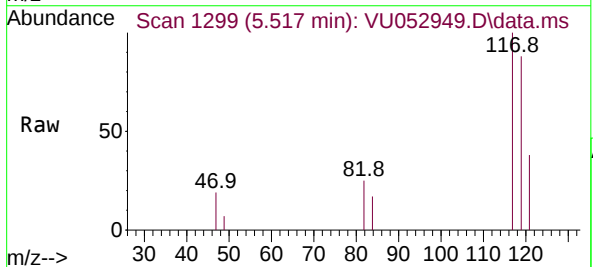
RT: 5.517 min Scan# 1299

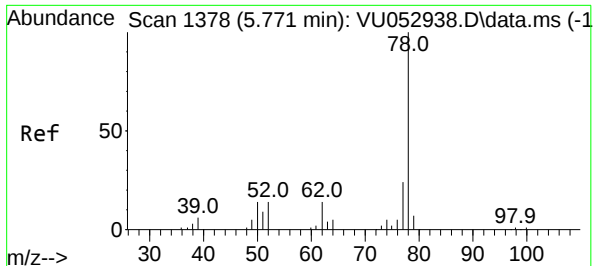
Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion: 117	Resp: 5694
Ion Ratio	Lower Upper
117 100	
119 95.2	76.2 114.4





#33
Benzene
Concen: 2.470 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

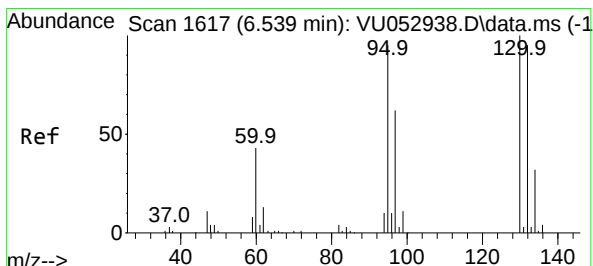
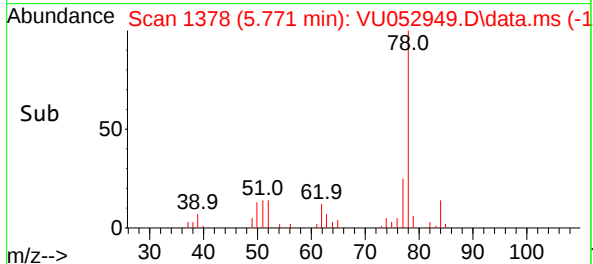
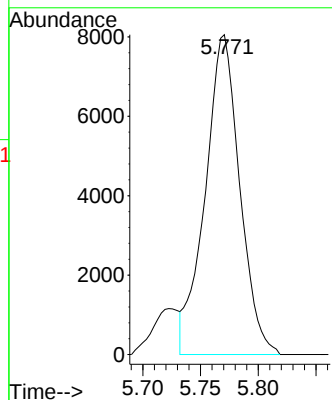
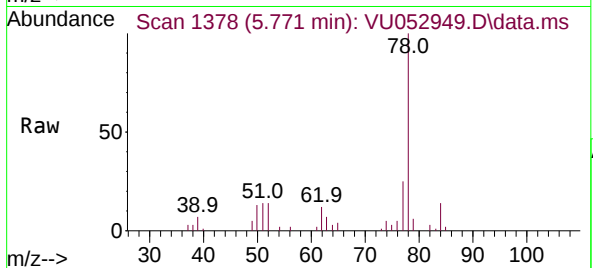
Tgt Ion: 78 Resp: 16775

Manual Integrations
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Reviewed By :Krupa
Patel

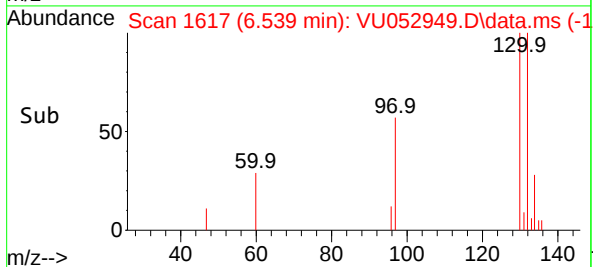
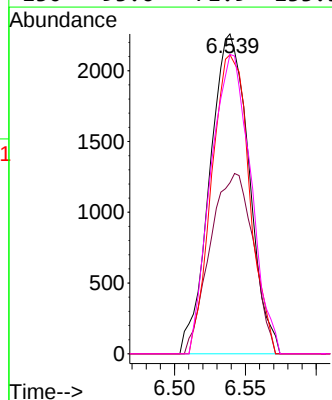
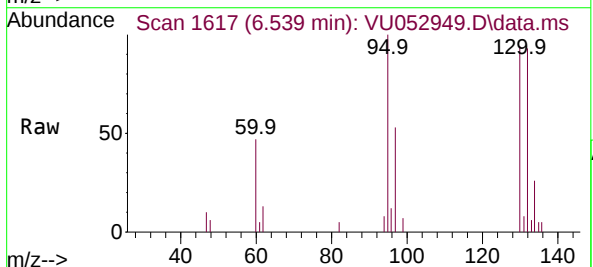
02/06/2023
Supervised By :Mahesh
Dadoda

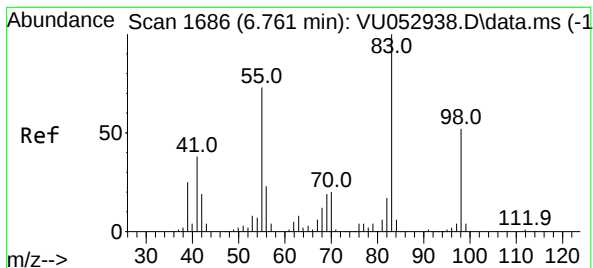
02/06/2023



#34
Trichloroethene
Concen: 2.511 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 95 Resp: 4334
Ion Ratio Lower Upper
95 100
97 53.5 44.5 82.7
132 93.5 66.8 124.0
130 93.6 71.9 133.5





#35

Methylcyclohexane

Concen: 2.017 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 83 Resp: 5510

Ion	Ratio	Lower	Upper
83	100		
55	65.9	57.1	85.7
98	47.0	38.9	58.3

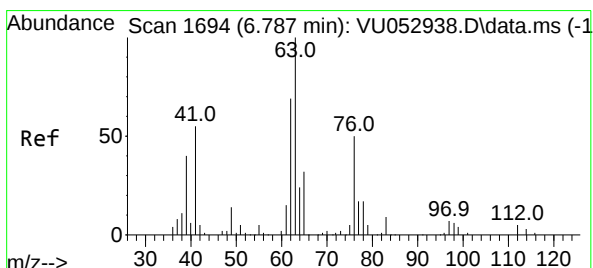
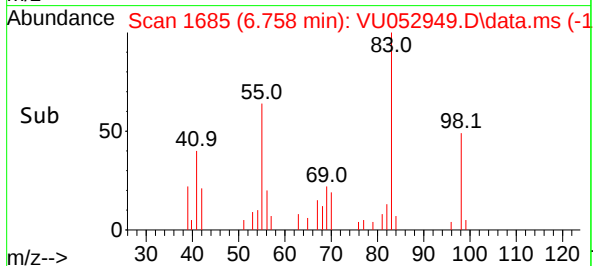
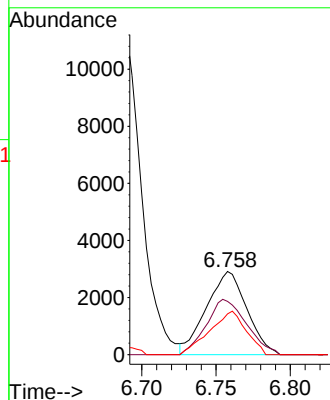
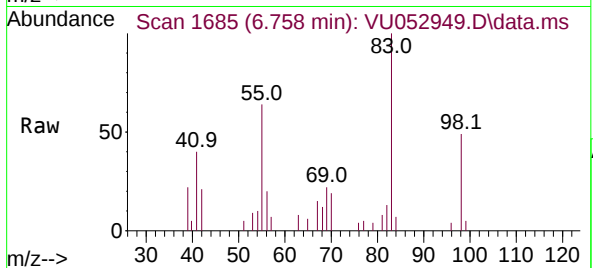
Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#37

1,2-Dichloropropane

Concen: 2.382 ug/L

RT: 6.790 min Scan# 1695

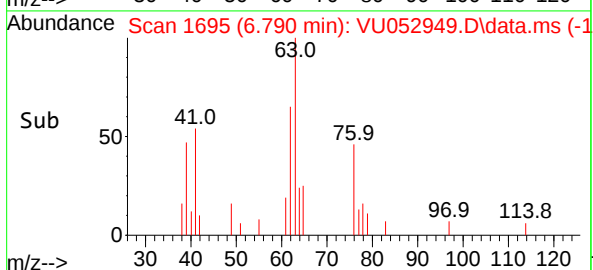
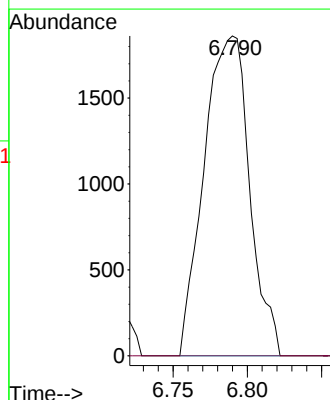
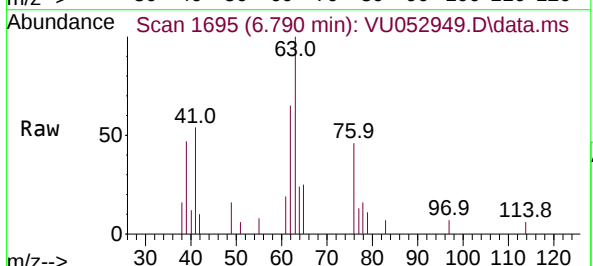
Delta R.T. 0.003 min

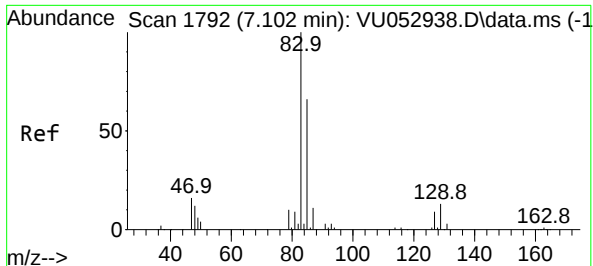
Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion: 63 Resp: 3977

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.8





#38
Bromodichloromethane
Concen: 2.214 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

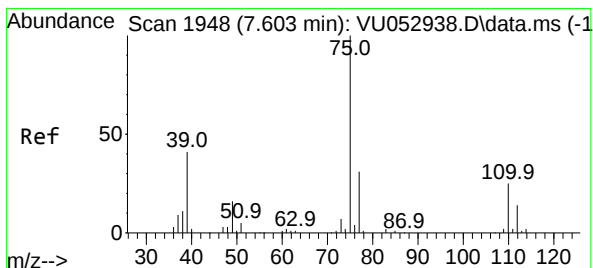
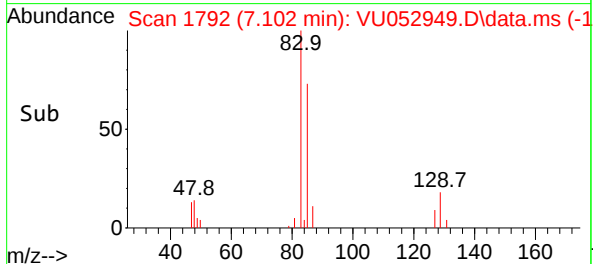
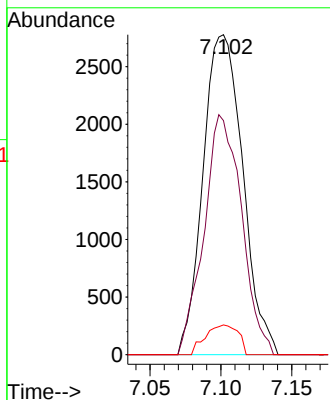
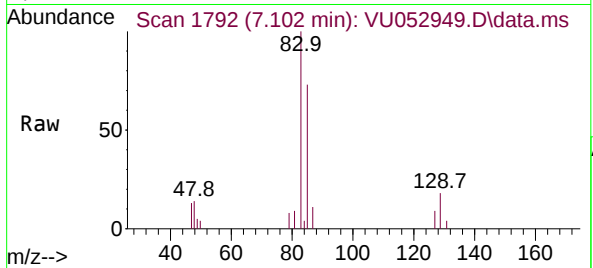
Tgt Ion: 83 Resp: 5426
Ion Ratio Lower Upper
83 100
85 73.1 45.2 84.0
127 9.3 7.4 11.0

Manual Integrations
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Reviewed By :Krupa
Patel

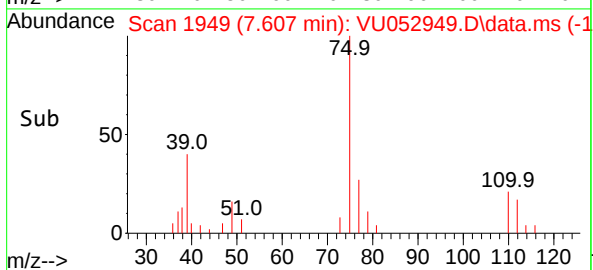
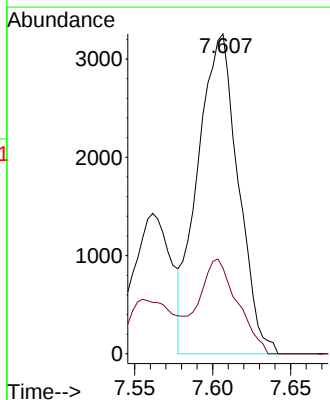
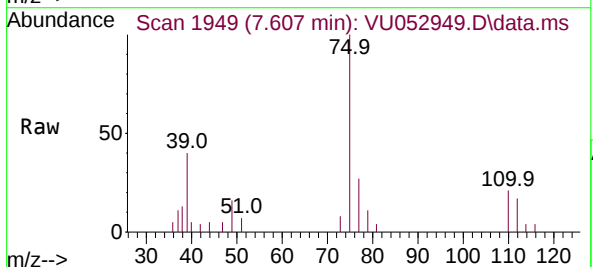
02/06/2023
Supervised By :Mahesh
Dadoda

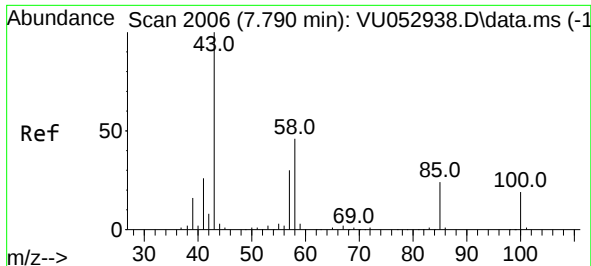
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#39
cis-1,3-Dichloropropene
Concen: 2.254 ug/L
RT: 7.607 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion: 75 Resp: 5895
Ion Ratio Lower Upper
75 100
77 26.8 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 3.699 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 727

Ion	Ratio	Lower	Upper
43	100		
58	42.4	35.4	53.2
100	18.2	16.0	24.0

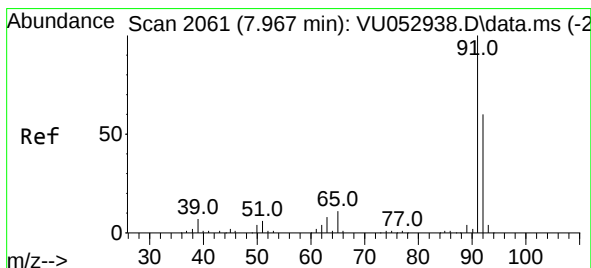
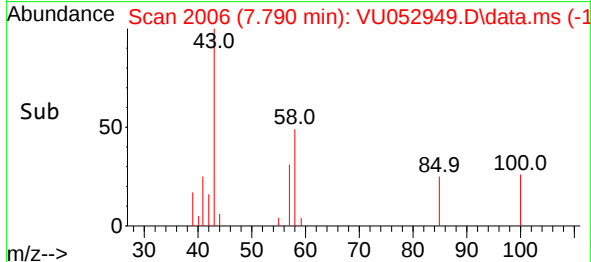
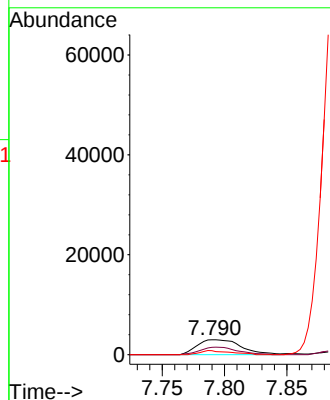
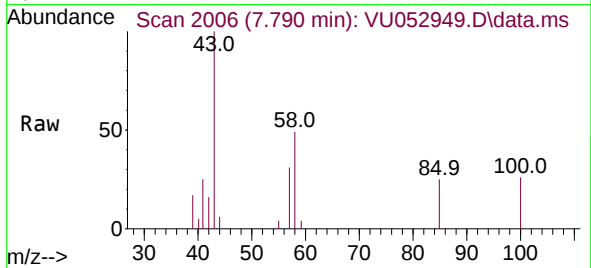
Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#42

Toluene

Concen: 2.272 ug/L

RT: 7.967 min Scan# 2061

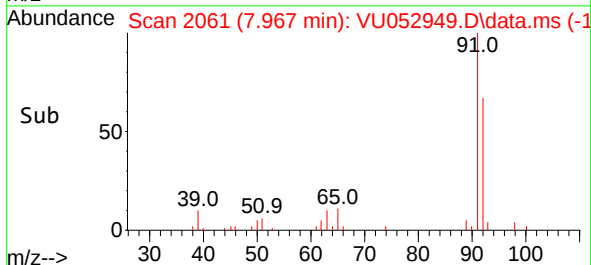
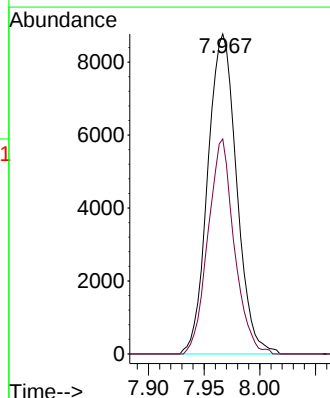
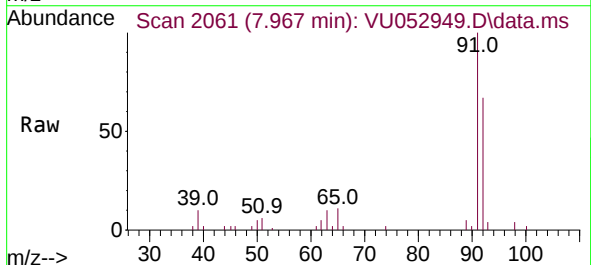
Delta R.T. 0.000 min

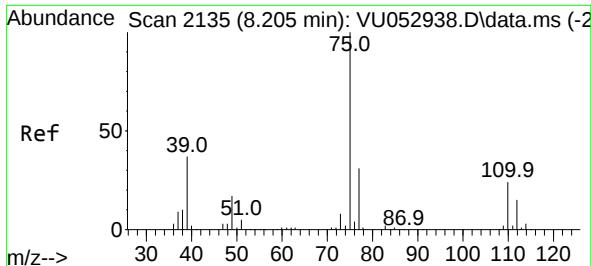
Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Tgt Ion: 91 Resp: 15814

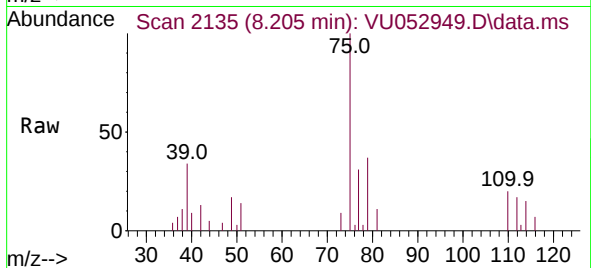
Ion	Ratio	Lower	Upper
91	100		
92	67.2	42.6	79.0





#44
trans-1,3-Dichloropropene
Concen: 2.308 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01



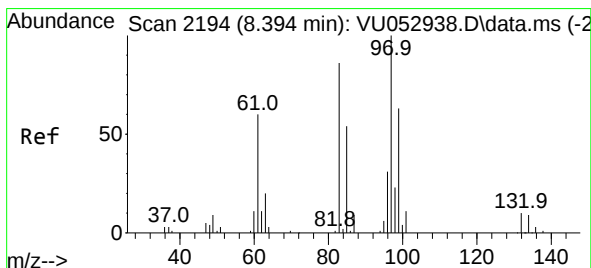
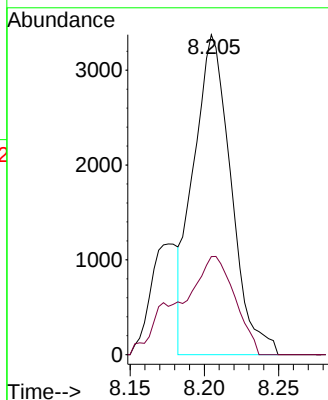
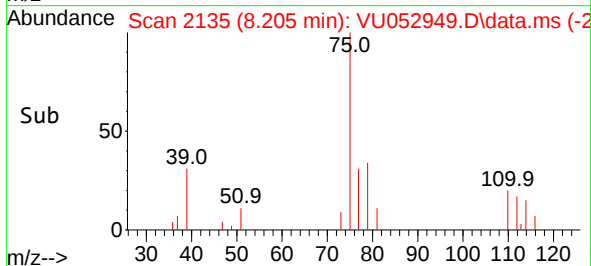
Tgt Ion: 75 Resp: 5933
Ion Ratio Lower Upper
75 100
77 30.6 22.3 41.3

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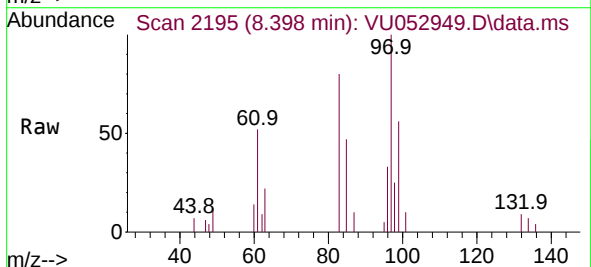
Reviewed By :Krupa
Patel

02/06/2023
Supervised By :Mahesh
Dadoda

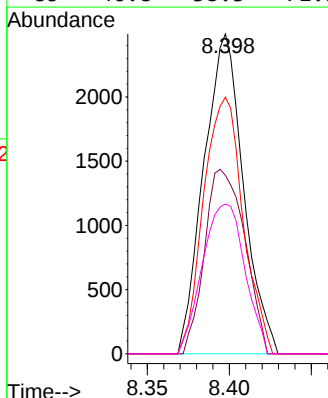
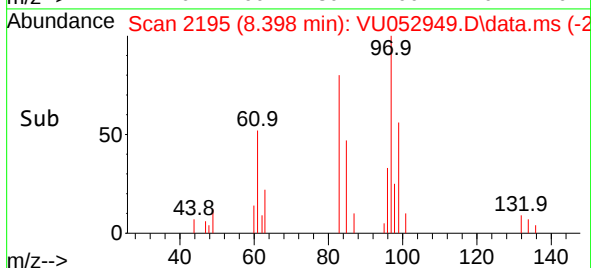
02/06/2023

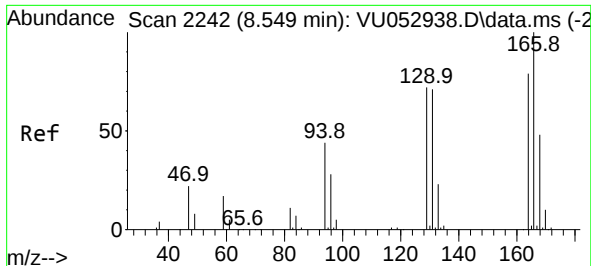


#45
1,1,2-Trichloroethane
Concen: 2.445 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53



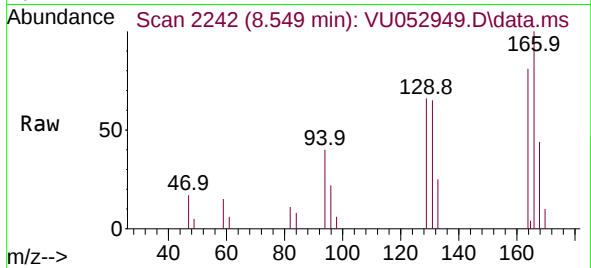
Tgt Ion: 97 Resp: 4174
Ion Ratio Lower Upper
97 100
99 55.8 44.7 83.1
83 80.2 60.3 112.1
85 46.8 38.3 71.1





#46
Tetrachloroethene
Concen: 2.369 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



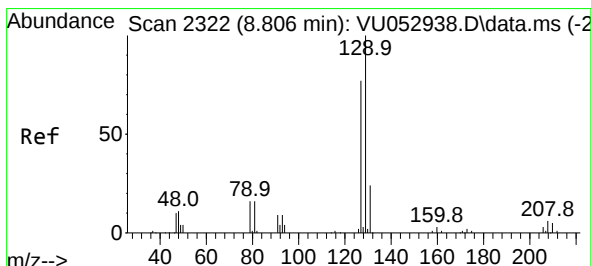
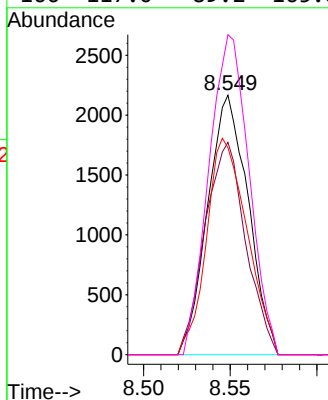
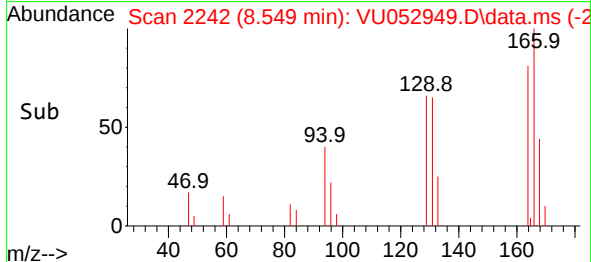
Tgt Ion:164 Resp: 352
Ion Ratio Lower Upper
164 100
129 77.6 64.8 120.3
131 75.7 61.2 113.6
166 117.0 89.2 165.8

Manual Integrations
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Reviewed By :Krupa
Patel

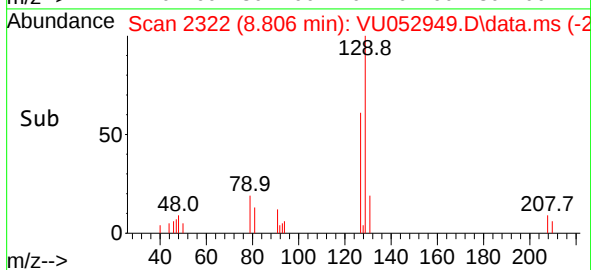
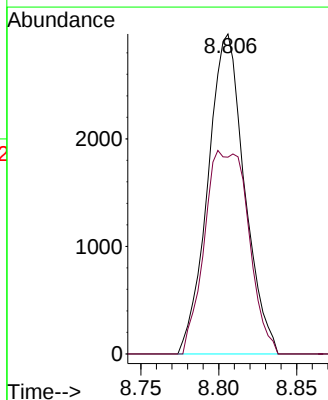
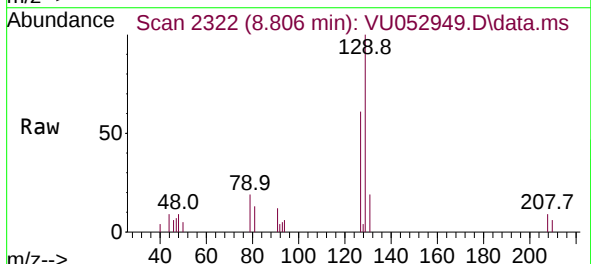
02/06/2023
Supervised By :Mahesh
Dadoda

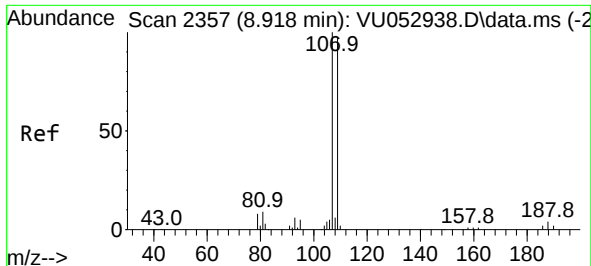
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#49
Dibromochloromethane
Concen: 2.379 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

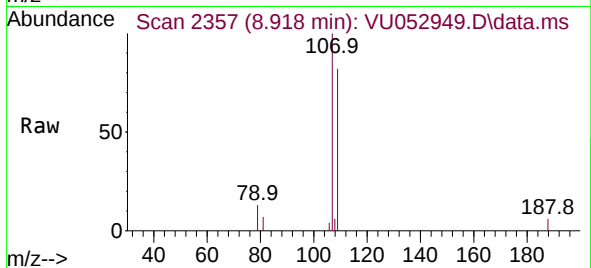
Tgt Ion:129 Resp: 4858
Ion Ratio Lower Upper
129 100
127 61.5 53.2 98.8





#50
1,2-Dibromoethane
Concen: 2.226 ug/L
RT: 8.918 min Scan# 2357
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



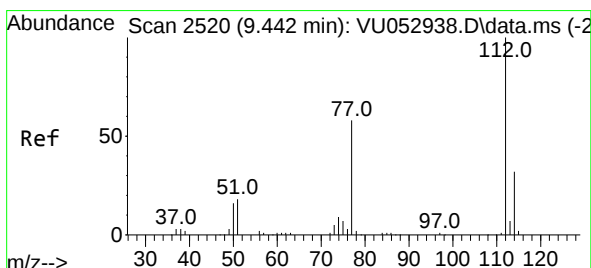
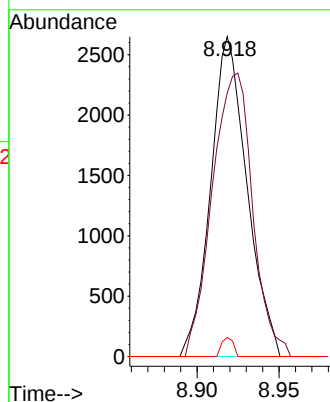
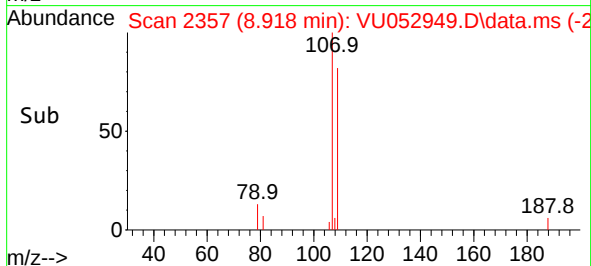
Tgt Ion:107 Resp: 4091
Ion Ratio Lower Upper
107 100
109 82.4 65.5 121.6
188 6.0 3.2 4.8

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Patel

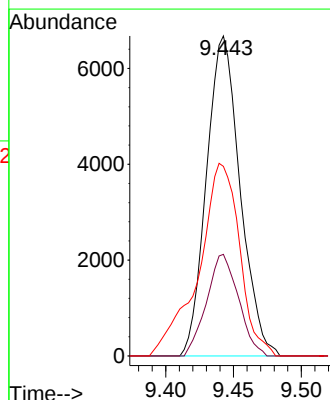
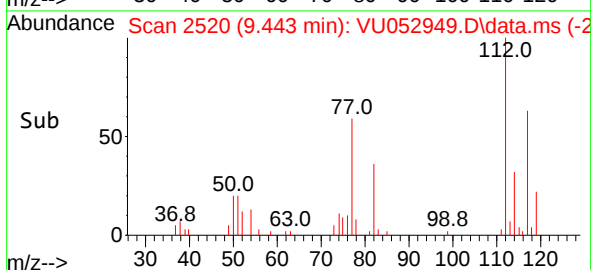
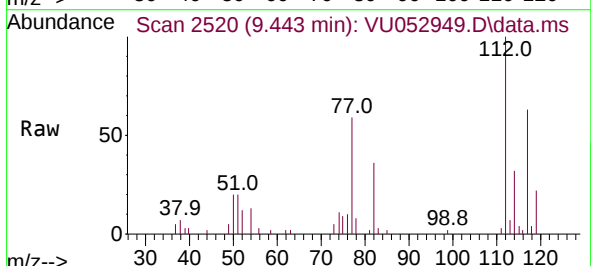
02/06/2023
Supervised By :Mahesh
Dadoda

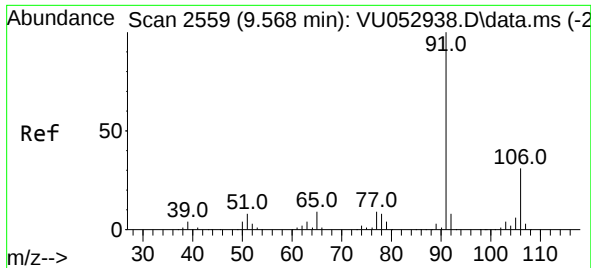
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#51
Chlorobenzene
Concen: 2.404 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:112 Resp: 11513
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 59.2 45.9 68.9





#52
Ethylbenzene
Concen: 1.999 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01

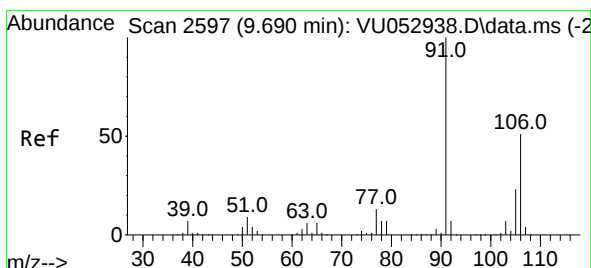
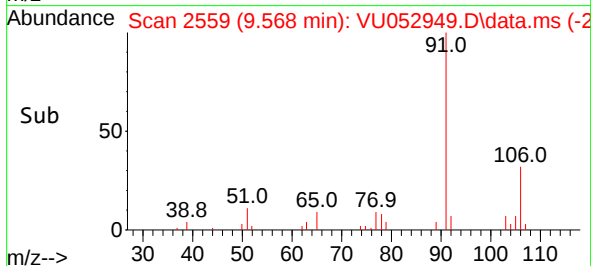
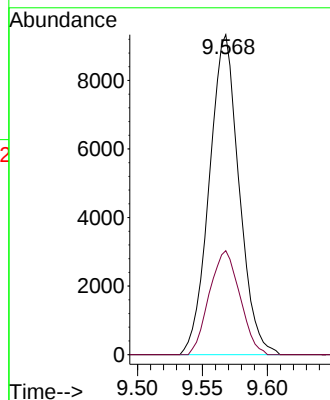
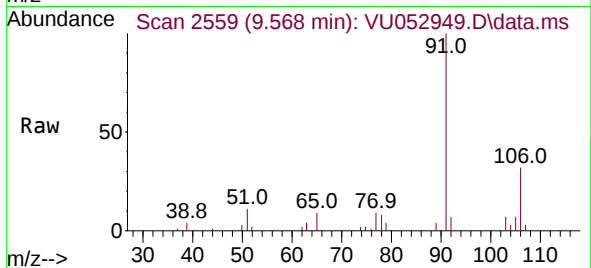
Tgt Ion: 91 Resp: 1487
Ion Ratio Lower Upper
91 100
106 32.5 22.0 40.8

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Reviewed By :Krupa
Patel

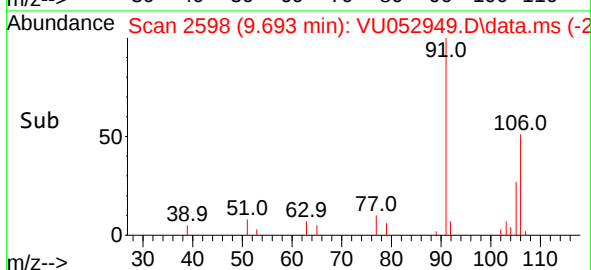
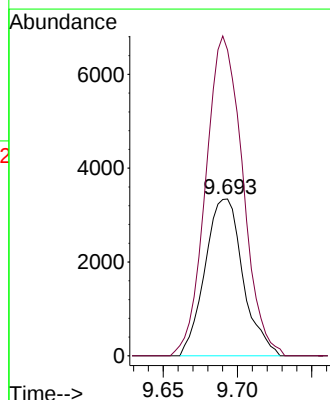
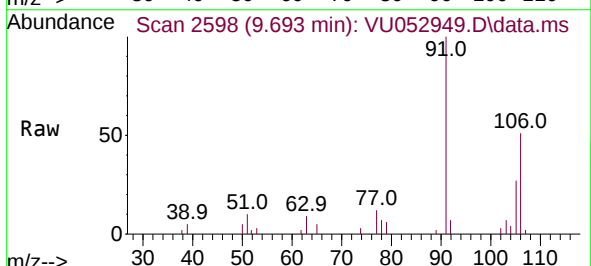
02/06/2023
Supervised By :Mahesh
Dadoda

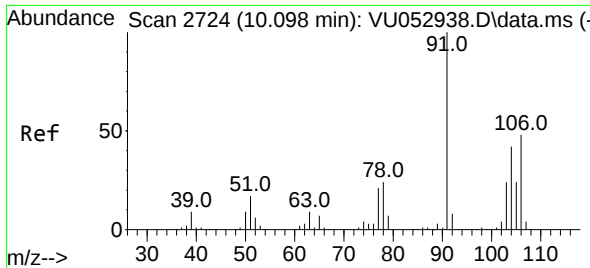
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#53
m,p-Xylene
Concen: 1.974 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:106 Resp: 5943
Ion Ratio Lower Upper
106 100
91 194.9 137.4 255.2





#54
o-xylene
Concen: 2.007 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

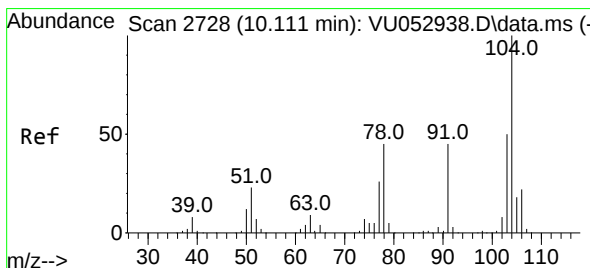
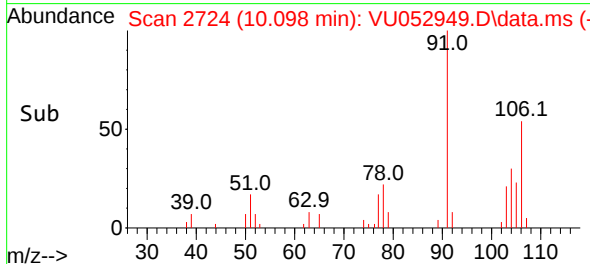
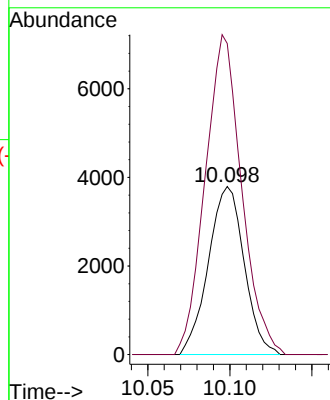
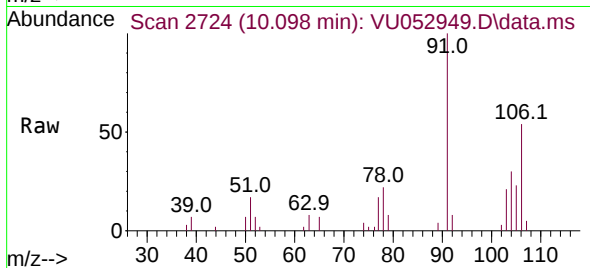
Tgt Ion:106 Resp: 5776
Ion Ratio Lower Upper
106 100
91 185.1 143.4 266.2

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Reviewed By :Krupa
Patel

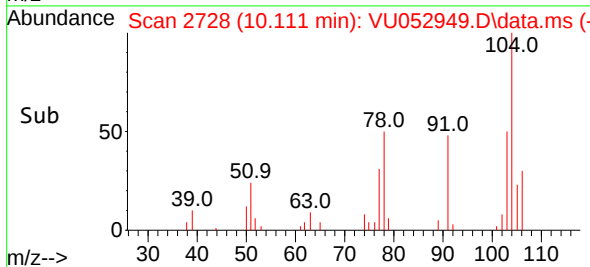
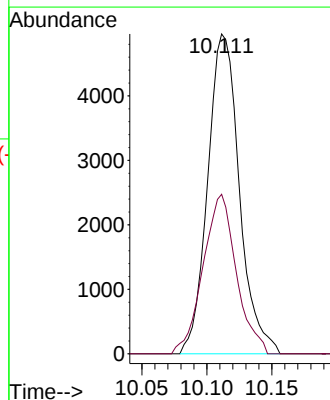
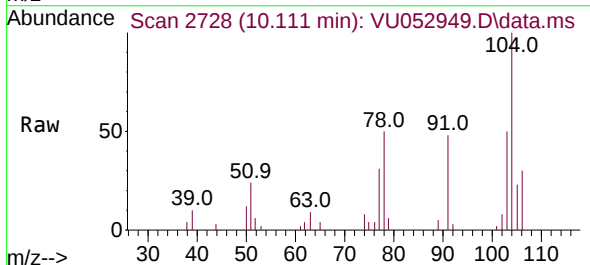
02/06/2023
Supervised By :Mahesh
Dadoda

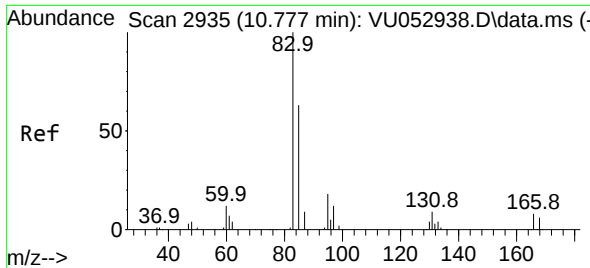
02/06/2023



#55
Styrene
Concen: 1.707 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:104 Resp: 8422
Ion Ratio Lower Upper
104 100
78 49.9 31.9 59.2





#57
1,1,2,2-Tetrachloroethane
Concen: 2.366 ug/L
RT: 10.780 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

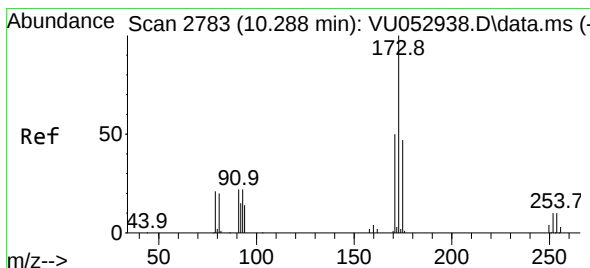
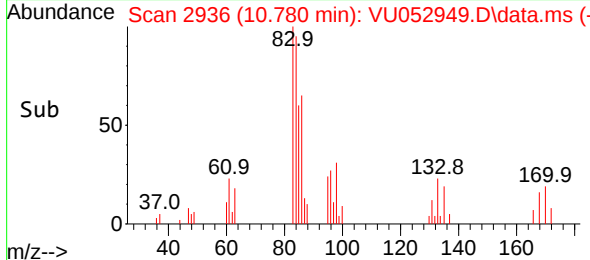
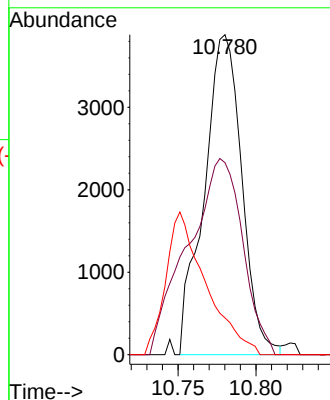
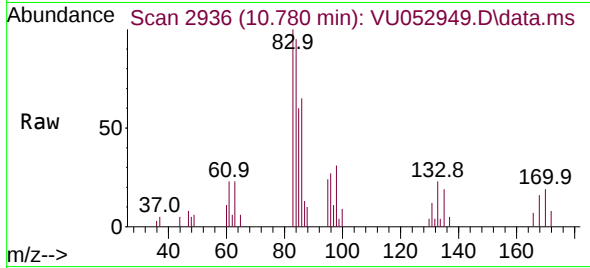
Tgt Ion: 83 Resp: 6539
Ion Ratio Lower Upper
83 100
85 60.0 45.0 83.6
131 11.5 8.6 12.8

Manual Integrations
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Reviewed By :Krupa
Patel

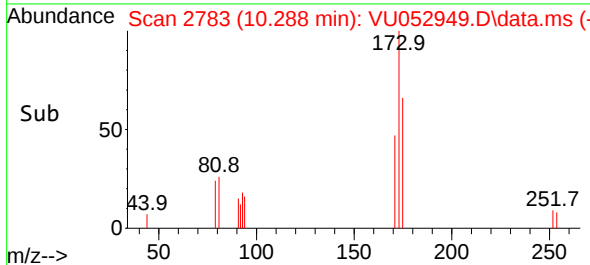
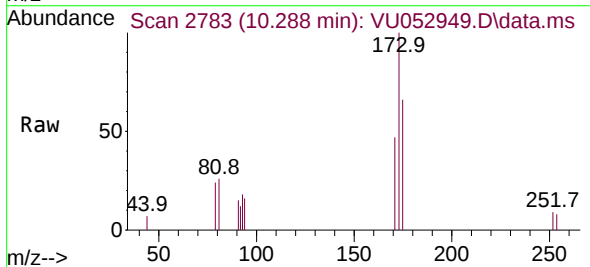
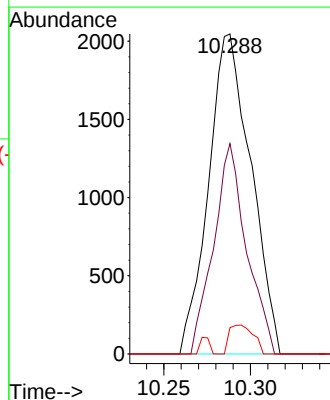
02/06/2023
Supervised By :Mahesh
Dadoda

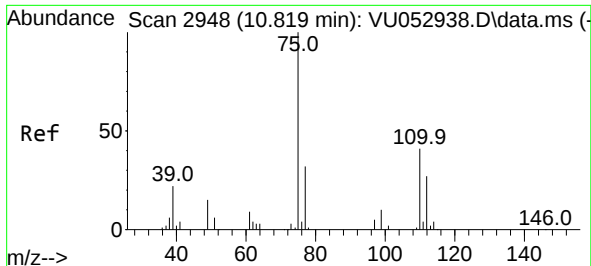
02/06/2023



#59
Bromoform
Concen: 2.447 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:173 Resp: 3482
Ion Ratio Lower Upper
173 100
175 51.0 37.7 56.5
254 5.1 8.3 12.5#





#60
1,2,3-Trichloropropane
Concen: 2.404 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01

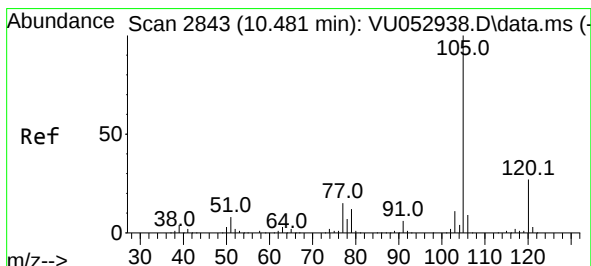
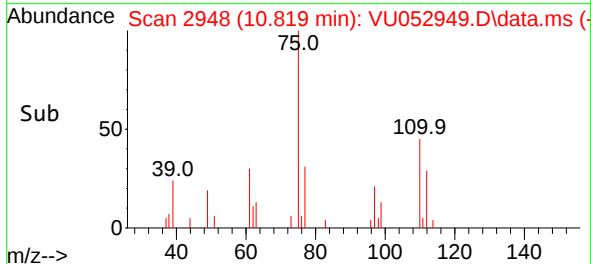
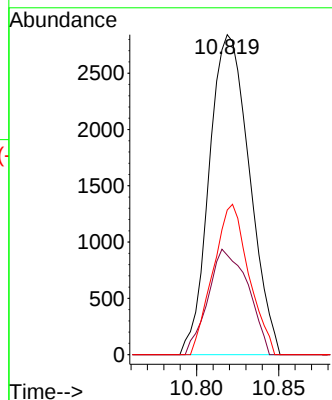
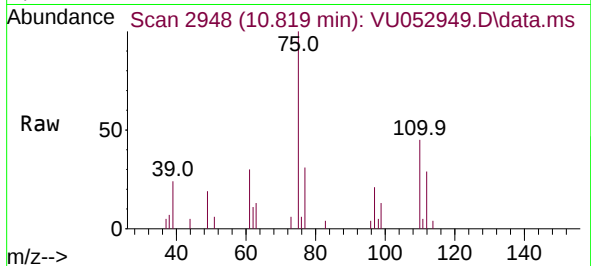
Tgt Ion: 75	Resp: 4842
Ion Ratio	Lower Upper
75 100	
77 32.7	25.8 38.8
110 41.7	32.4 48.6

Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

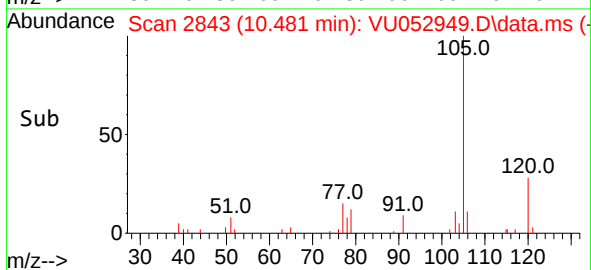
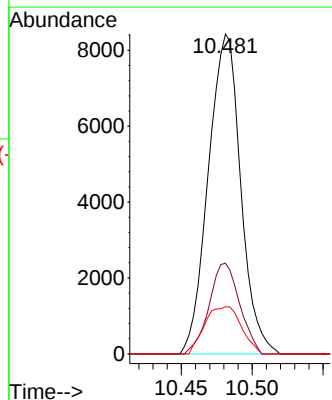
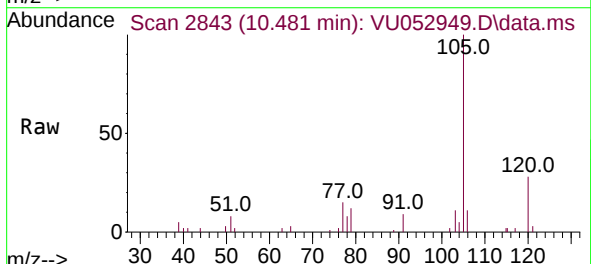
02/06/2023
Supervised By :Mahesh
Dadoda

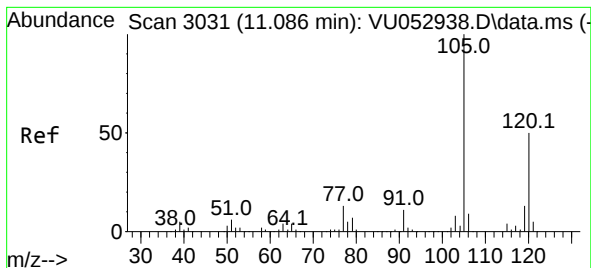
02/06/2023



#61
Isopropylbenzene
Concen: 1.996 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Tgt Ion:105	Resp: 13387
Ion Ratio	Lower Upper
105 100	
120 26.7	21.4 32.2
77 16.7	12.2 18.2





#62

1,3,5-Trimethylbenzene

Concen: 1.961 ug/L

RT: 11.082 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU052949.D

Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01

Tgt Ion:105 Resp: 10950

Ion Ratio Lower Upper

105 100

120 53.6 40.4 60.6

Manual Integrations

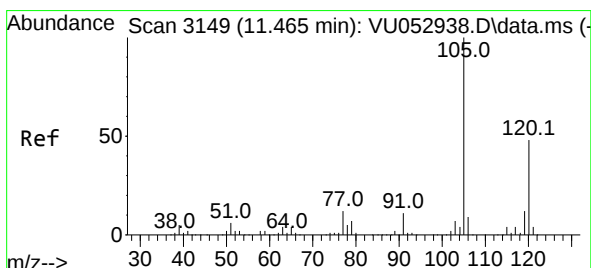
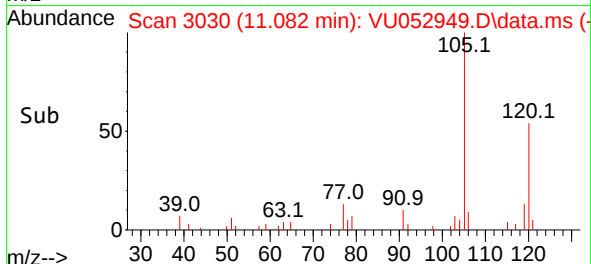
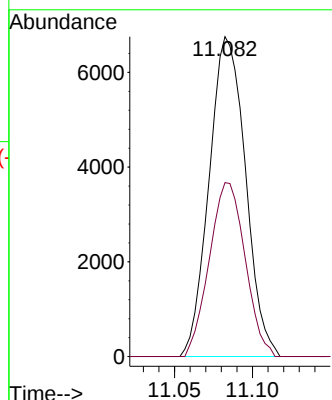
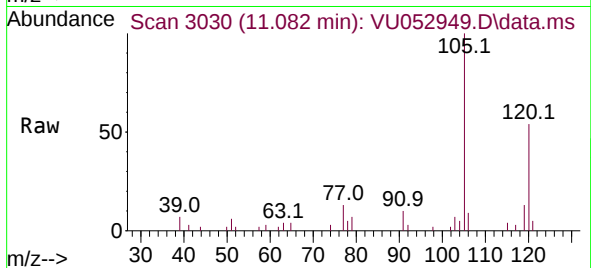
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#63

1,2,4-Trimethylbenzene

Concen: 1.877 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU052949.D

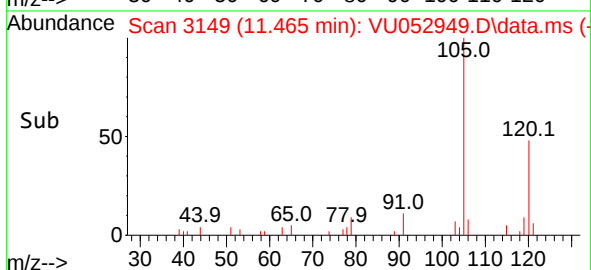
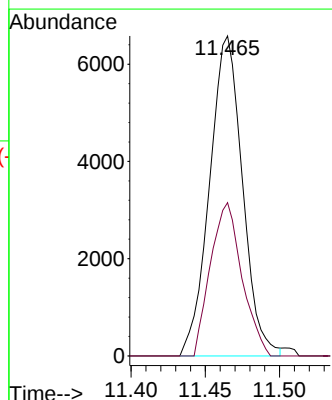
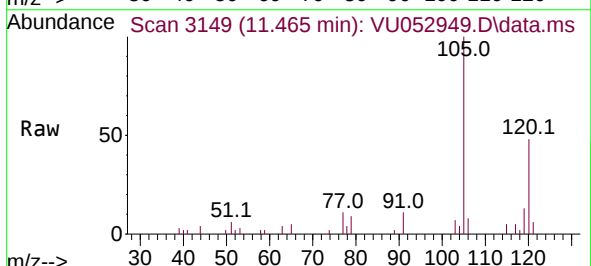
Acq: 03 Feb 2023 16:53

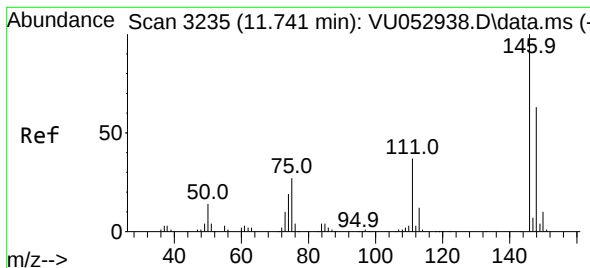
Tgt Ion:105 Resp: 10142

Ion Ratio Lower Upper

105 100

120 45.7 38.1 57.1





#64

1,3-Dichlorobenzene

Concen: 2.123 ug/L

RT: 11.741 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052949.D

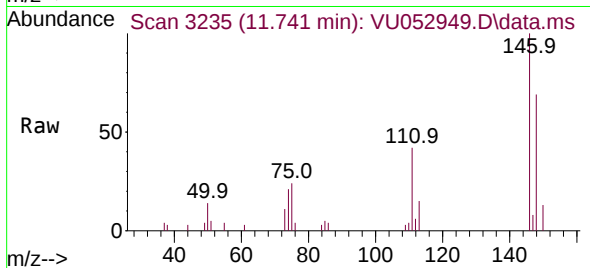
Acq: 03 Feb 2023 16:53

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2023-01



Tgt Ion:146 Resp: 7182

Ion	Ratio	Lower	Upper
146	100		
111	42.1	27.8	51.6
148	69.3	45.5	84.5

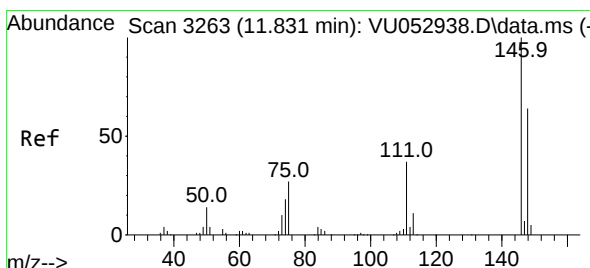
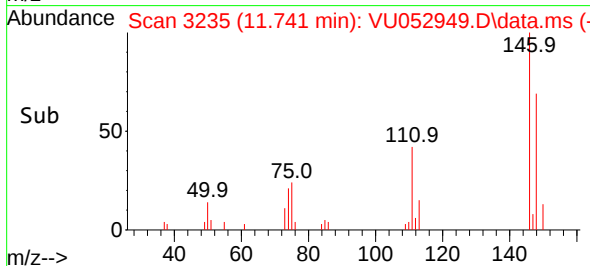
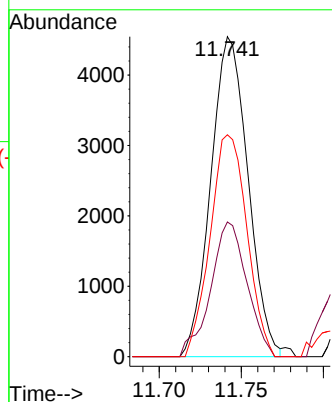
Manual Integrations
APPROVED

Reviewed By :Krupa
Patel

02/06/2023

Supervised By :Mahesh
Dadoda

02/06/2023



#65

1,4-Dichlorobenzene

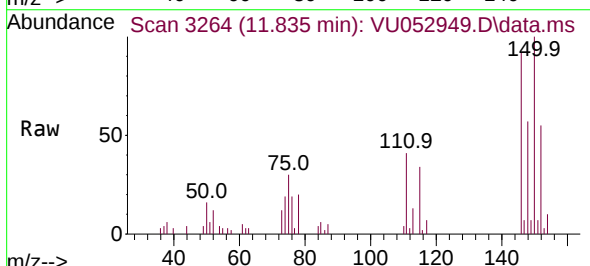
Concen: 2.611 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

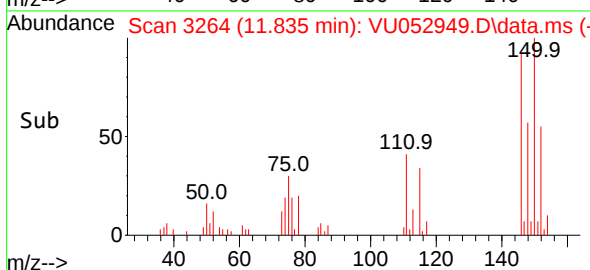
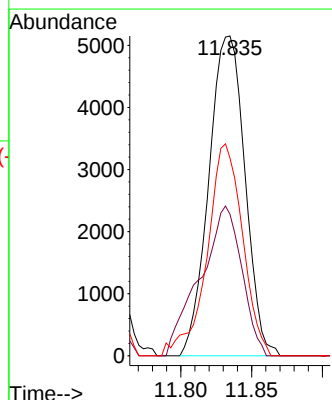
Lab File: VU052949.D

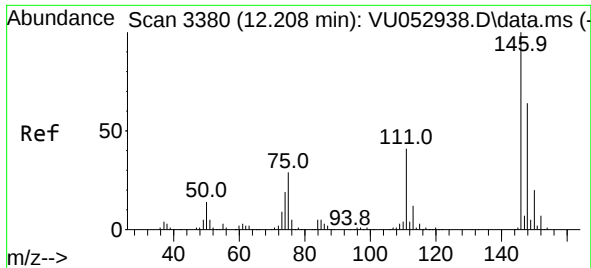
Acq: 03 Feb 2023 16:53



Tgt Ion:146 Resp: 9144

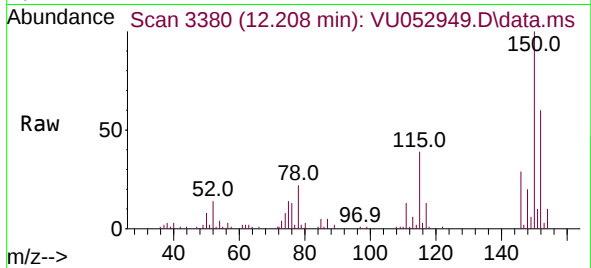
Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.7	49.7
148	57.2	45.6	84.6





#67
1,2-Dichlorobenzene
Concen: 3.185 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT1-2023-01



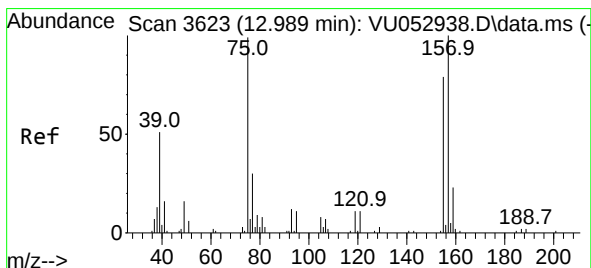
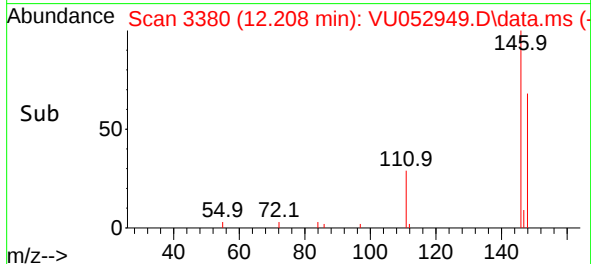
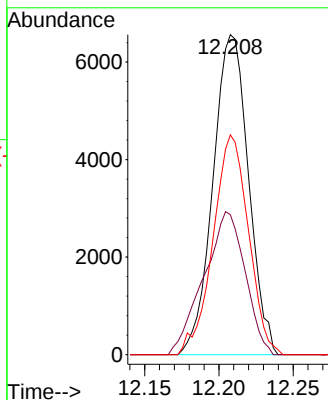
Tgt Ion:146 Resp: 10900
Ion Ratio Lower Upper
146 100
111 40.4 33.2 49.8
148 63.5 50.2 75.4

Manual Integrations
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Reviewed By :Krupa
Patel

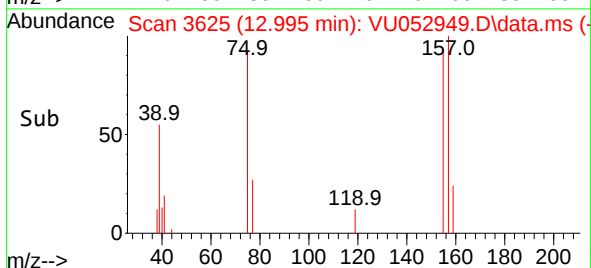
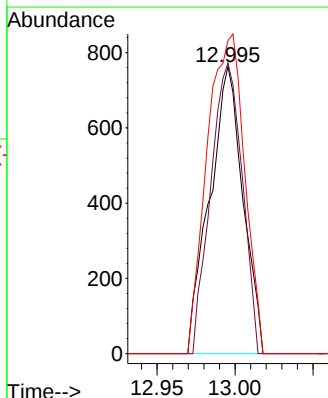
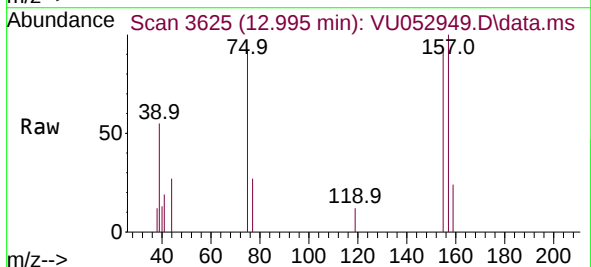
02/06/2023
Supervised By :Mahesh
Dadoda

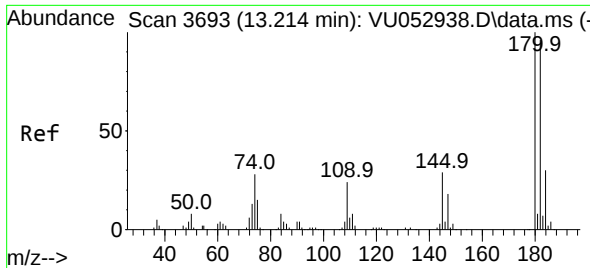
02/06/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 1.957 ug/L
RT: 12.995 min Scan# 3625
Delta R.T. 0.006 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

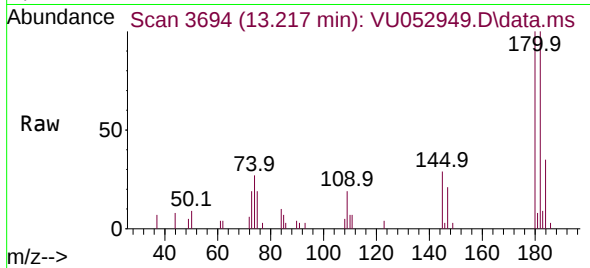
Tgt Ion: 75 Resp: 1130
Ion Ratio Lower Upper
75 100
155 101.2 69.2 103.8
157 109.0 91.2 136.8





#69
1,3,5-Trichlorobenzene
Concen: 2.240 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



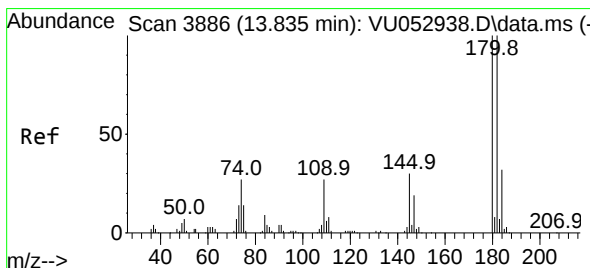
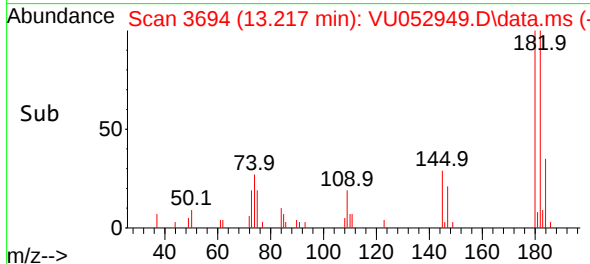
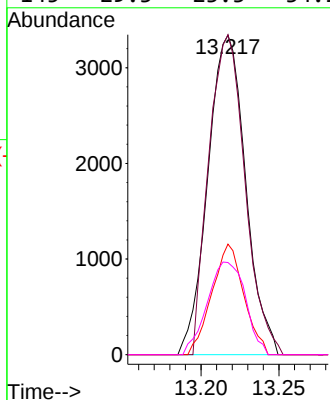
Tgt Ion:180 Resp: 5610
Ion Ratio Lower Upper
180 100
182 96.2 77.0 115.6
184 29.4 24.4 36.6
145 29.3 23.3 34.9

Manual Integrations
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Reviewed By :Krupa
Patel

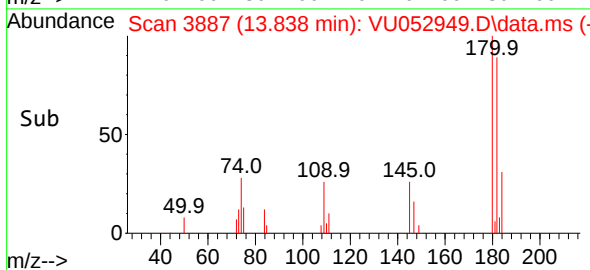
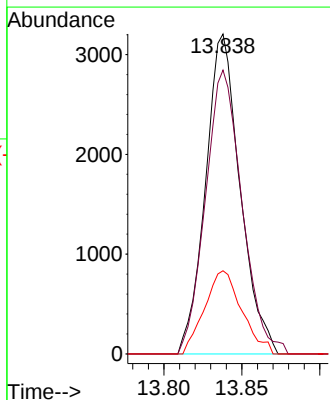
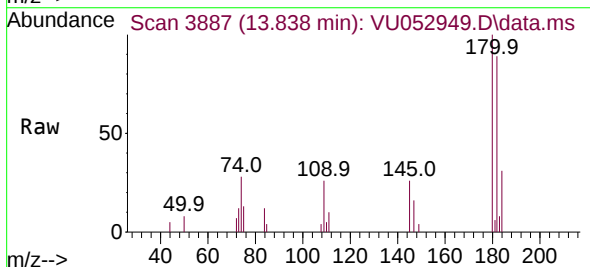
02/06/2023
Supervised By :Mahesh
Dadoda

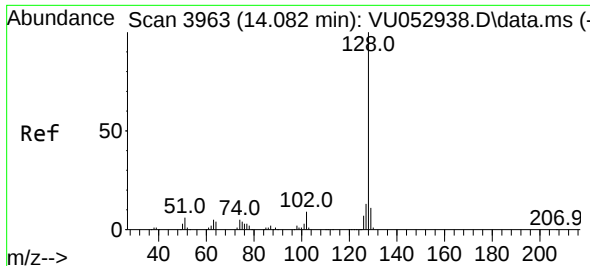
02/06/2023



#70
1,2,4-trichlorobenzene
Concen: 2.353 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

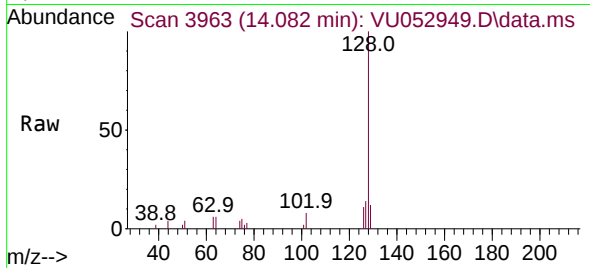
Tgt Ion:180 Resp: 4942
Ion Ratio Lower Upper
180 100
182 93.9 78.2 117.2
145 27.6 23.4 35.2





#71
Naphthalene
Concen: 1.849 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2023-01



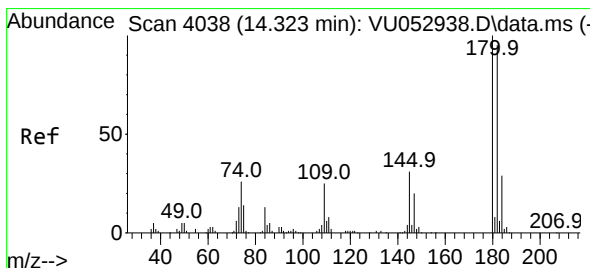
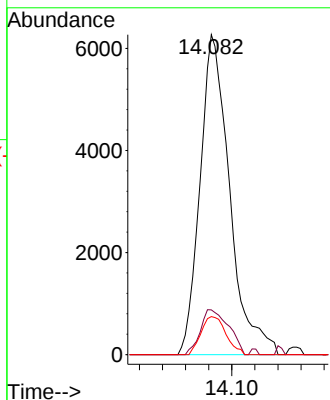
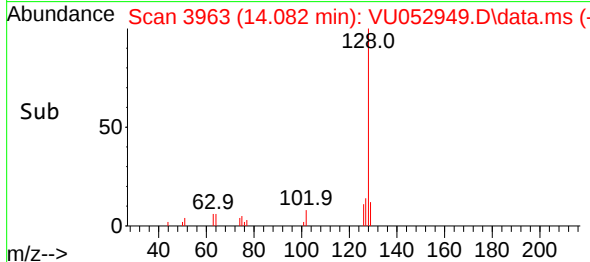
Tgt Ion:128 Resp: 11160
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.0 8.8 13.2

Manual Integrations
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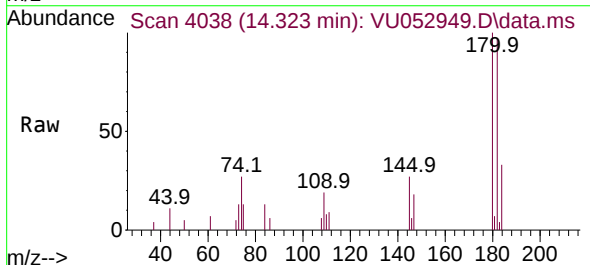
Reviewed By :Krupa
Patel

02/06/2023
Supervised By :Mahesh
Dadoda

02/06/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.110 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU052949.D
Acq: 03 Feb 2023 16:53



Tgt Ion:180 Resp: 4683
Ion Ratio Lower Upper
180 100
182 94.1 77.5 116.3
145 27.1 24.2 36.4

