

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
 Data File : VU050455.D
 Acq On : 26 Aug 2022 14:26
 Operator : SY/MD
 Sample : N4015-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 27 04:58:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel
 08/27/2022

Supervised By :Semsetun
 Yesilyurt
 08/27/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	312349	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	309907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	119976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	166902	45.190	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.380%		
7) Chloroethane-d5	1.896	69	132844	48.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.220%		
11) 1,1-Dichloroethene-d2	2.559	63	190853	36.566	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.140%		
21) 2-Butanone-d5	4.623	46	233491	96.587	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.590%		
24) Chloroform-d	5.060	84	263880	44.509	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.020%		
26) 1,2-Dichloroethane-d4	5.700	65	170907	46.383	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.760%		
32) Benzene-d6	5.726	84	543340	47.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
36) 1,2-Dichloropropane-d6	6.690	67	177087	46.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.360%		
41) Toluene-d8	7.899	98	447001	44.612	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.220%		
43) trans-1,3-Dichloroprop...	8.179	79	68996	43.602	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.200%		
47) 2-Hexanone-d5	8.633	63	128495	91.276	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.280%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	270228	46.185	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.360%		
66) 1,2-Dichlorobenzene-d4	12.195	152	145806	50.875	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	4919	2.015	ug/L	90
3) Chloromethane	1.517	50	8921	3.139	ug/L	95
5) Vinyl chloride	1.601	62	6406	2.306	ug/L #	56
6) Bromomethane	1.835	94	2776	2.702	ug/L	97
8) Chloroethane	1.922	64	3774	2.236	ug/L #	77
9) Trichlorofluoromethane	2.131	101	7238	2.047	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	6105	2.817	ug/L #	82
12) 1,1-Dichloroethene	2.572	96	5479	2.860	ug/L #	1
13) Acetone	2.626	43	7206	4.534	ug/L	92
14) Carbon disulfide	2.787	76	8750	1.790	ug/L	97
15) Methyl Acetate	2.954	43	6182	2.162	ug/L	96
16) Methylene chloride	3.041	84	7631	2.858	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	4010	1.991	ug/L	86
18) Methyl tert-butyl Ether	3.363	73	14177	2.224	ug/L	97
19) 1,1-Dichloroethane	3.867	63	9216	2.112	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	5013	2.078	ug/L	89
22) 2-Butanone	4.713	43	10948	5.082	ug/L	81
23) Bromochloromethane	4.980	128	2785m	2.114	ug/L	
25) Chloroform	5.086	83	11866	2.552	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	8169	2.356	ug/L	96
29) Cyclohexane	5.382	56	4944	1.734	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7034	1.984	ug/L	95
31) Carbon tetrachloride	5.527	117	5944	2.043	ug/L	94
33) Benzene	5.771	78	19656	2.095	ug/L	100
34) Trichloroethene	6.543	95	4756	2.141	ug/L	95
35) Methylcyclohexane	6.761	83	5715	1.840	ug/L	91
37) 1,2-Dichloropropane	6.793	63	5924	2.174	ug/L #	93
38) Bromodichloromethane	7.108	83	7314	2.103	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	6724	1.879	ug/L	91
40) 4-Methyl-2-pentanone	7.793	43	14609	4.034	ug/L	95
42) Toluene	7.970	91	20249	2.142	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6519	1.954	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	5751	2.144	ug/L	97
46) Tetrachloroethene	8.559	164	2976	1.824	ug/L	94
48) 2-Hexanone	8.684	43	25326	8.373	ug/L	96
49) Dibromochloromethane	8.813	129	5836	2.101	ug/L	90
50) 1,2-Dibromoethane	8.925	107	5558	2.074	ug/L #	98
51) Chlorobenzene	9.446	112	12308	1.984	ug/L	94
52) Ethylbenzene	9.571	91	16584	1.741	ug/L	97
53) m,p-Xylene	9.697	106	6093	1.712	ug/L	87
54) o-Xylene	10.102	106	5956	1.685	ug/L	85
55) Styrene	10.118	104	9317	1.549	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	11581	2.363	ug/L #	93
59) Bromoform	10.292	173	3927	2.286	ug/L #	95
60) 1,2,3-Trichloropropane	10.822	75	7762	2.511	ug/L	98
61) Isopropylbenzene	10.485	105	13751	1.853	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	10188	1.700	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	9253	1.583	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	7829	2.158	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	7784	2.130	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	9167	2.402	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.999	75	1992	2.424	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.224	180	5235	2.093	ug/L	94
70) 1,2,4-trichlorobenzene	13.845	180	3640	1.817	ug/L	90
71) Naphthalene	14.095	128	11272	1.715	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.330	180	4047	1.849	ug/L	96

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

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APPROVED

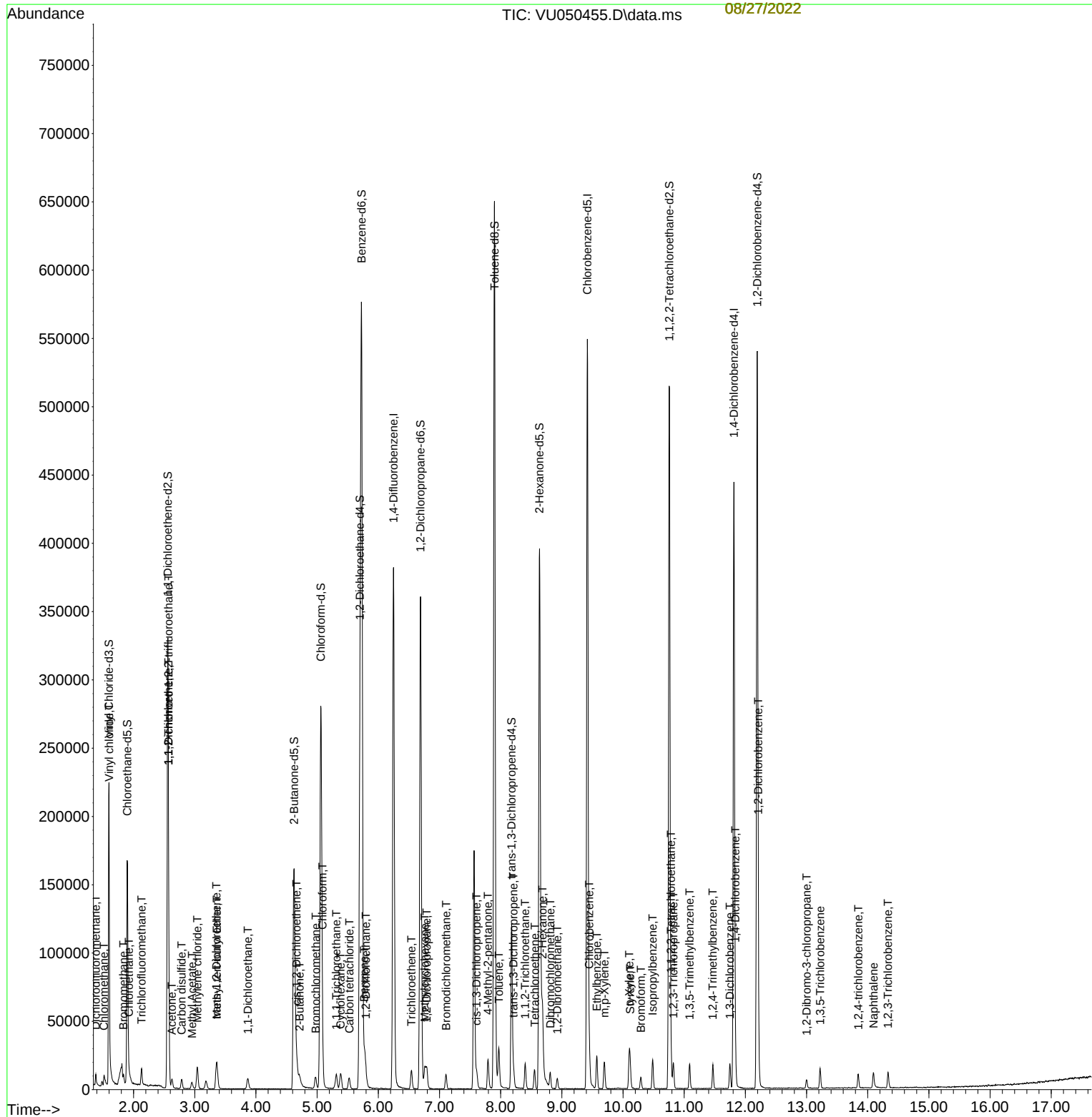
Reviewed By :Krupa
Patel

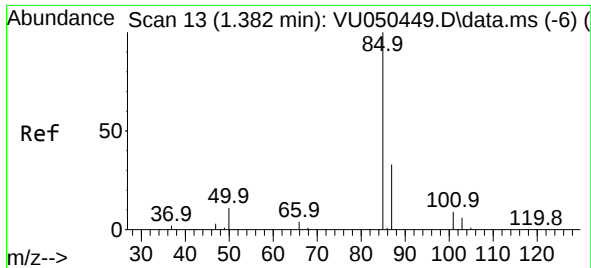
08/27/2022

Supervised By :Semsetun

Yesilyurt

08/27/2022





#2
Dichlorodifluoromethane
Concen: 2.015 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

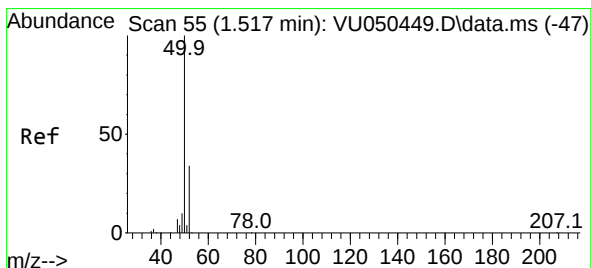
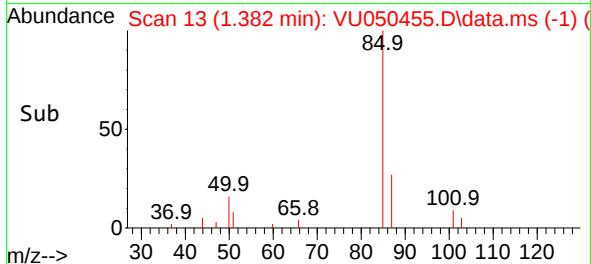
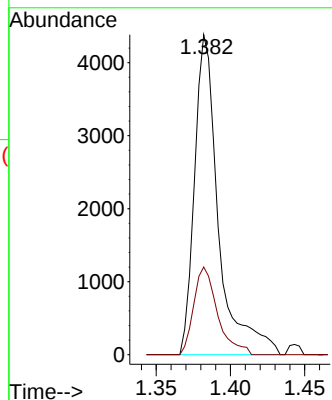
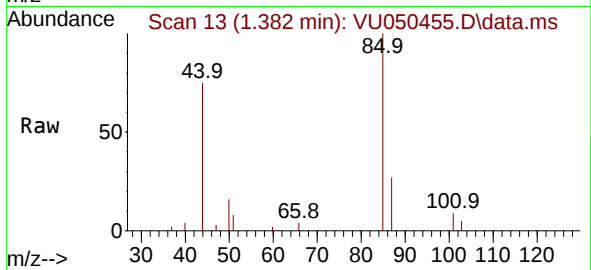
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 85 Resp: 4919
Ion Ratio Lower Upper
85 100
87 27.2 26.2 39.4

Manual Integrations
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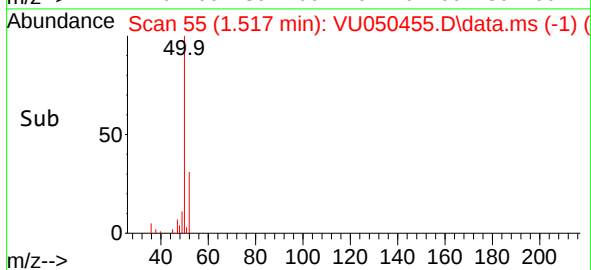
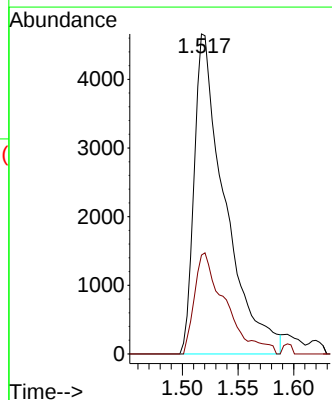
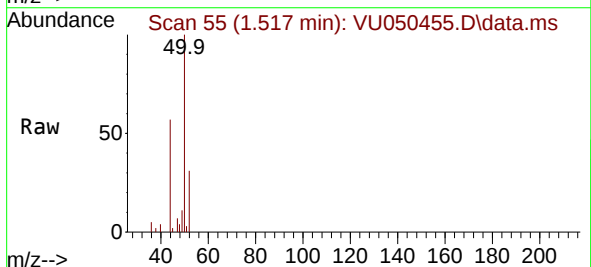
Reviewed By :Krupa
Patel
08/27/2022

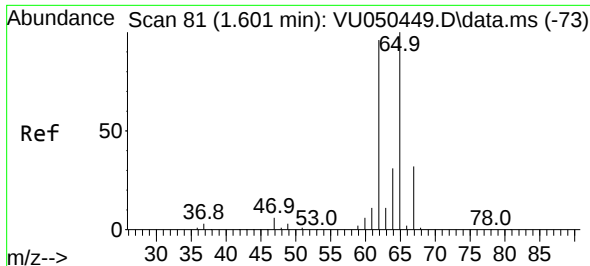
Supervised By :Semsetun
Yesilyurt
08/27/2022



#3
Chloromethane
Concen: 3.139 ug/L
RT: 1.517 min Scan# 55
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

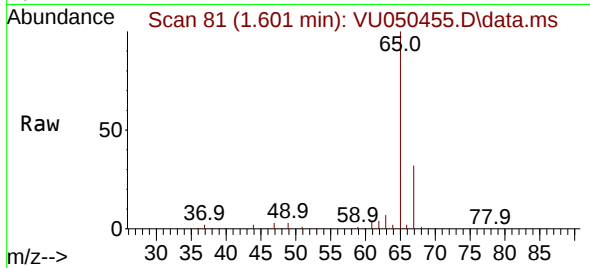
Tgt Ion: 50 Resp: 8921
Ion Ratio Lower Upper
50 100
52 30.9 23.4 43.6





#5
 Vinyl chloride
 Concen: 2.306 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

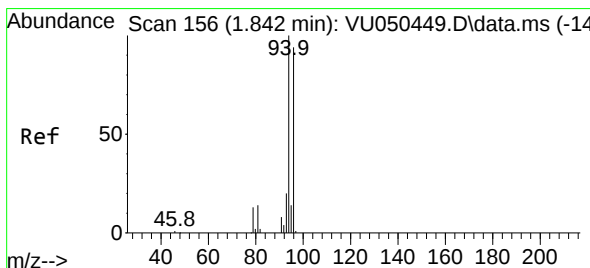
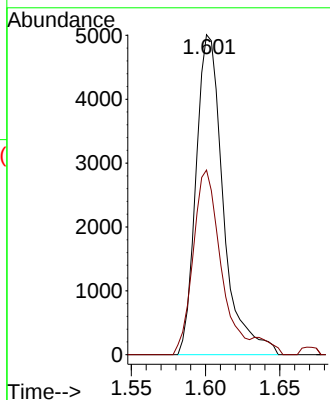


Tgt Ion: 62 Resp: 6400
 Ion Ratio Lower Upper
 62 100
 64 57.7 23.1 42.9

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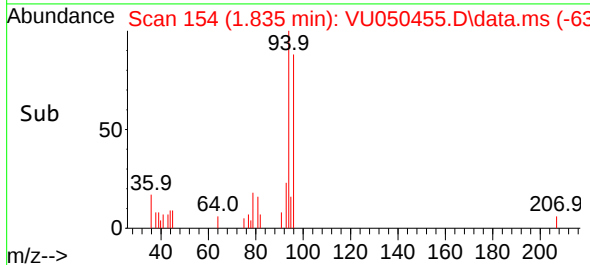
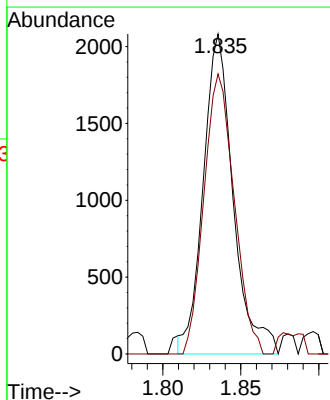
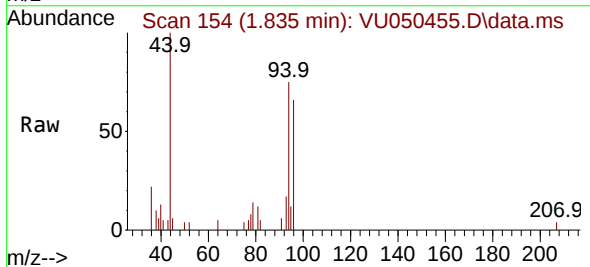
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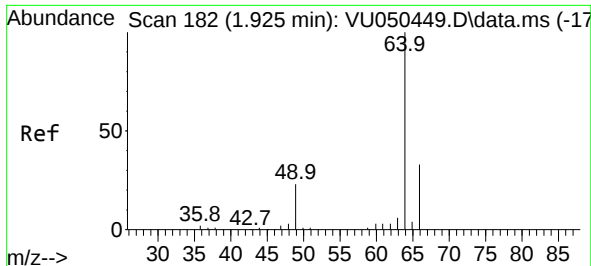
Supervised By :Semsetun
 Yesilyurt
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#6
 Bromomethane
 Concen: 2.702 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. -0.006 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

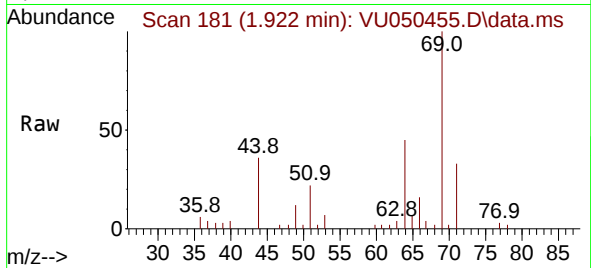
Tgt Ion: 94 Resp: 2776
 Ion Ratio Lower Upper
 94 100
 96 87.5 63.3 117.5





#8
Chloroethane
Concen: 2.236 ug/L
RT: 1.922 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

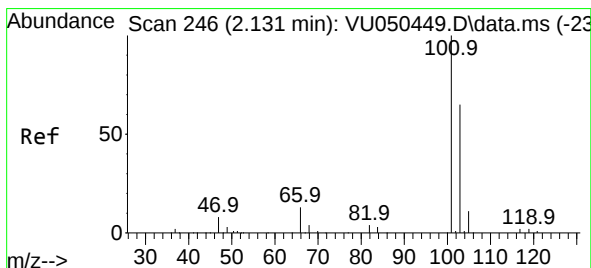
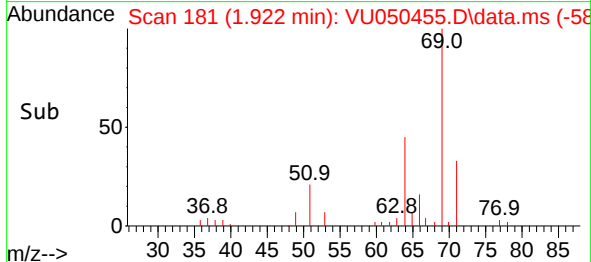
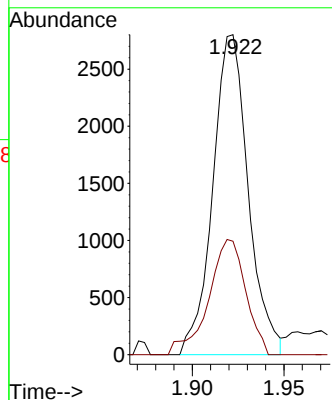


Tgt Ion: 64 Resp: 3774
Ion Ratio Lower Upper
64 100
66 44.5 22.3 41.3

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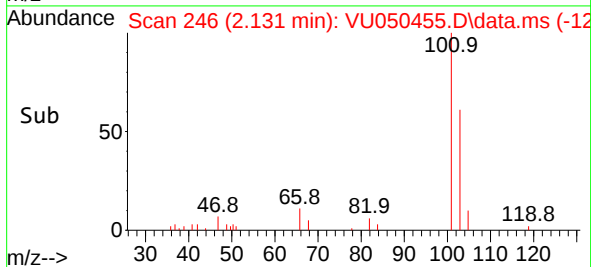
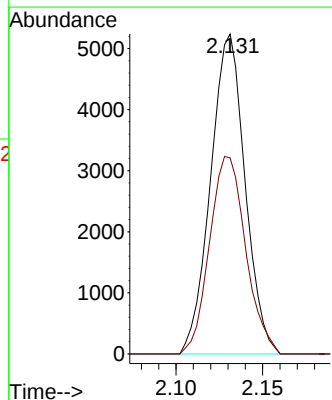
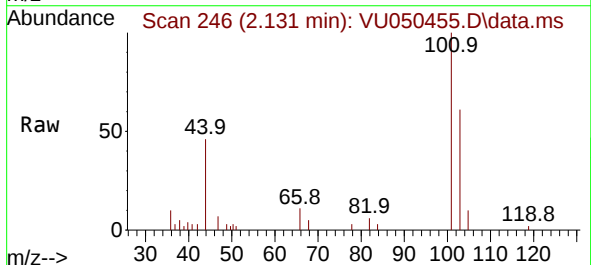
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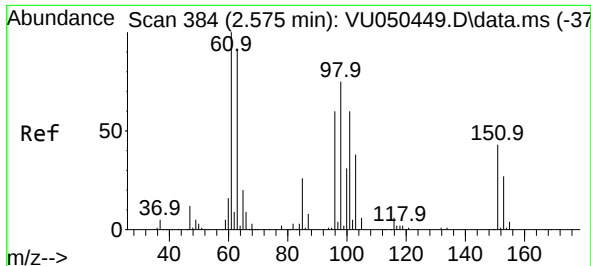
Supervised By :Semsetun
Yesilyurt
08/27/2022



#9
Trichlorofluoromethane
Concen: 2.047 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:101 Resp: 7238
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.817 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

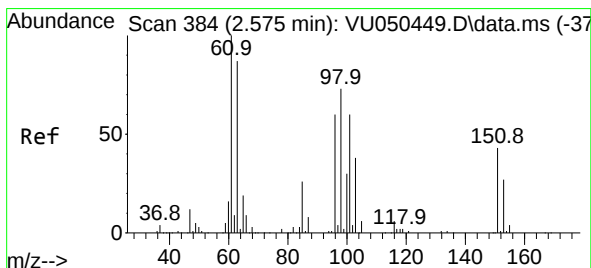
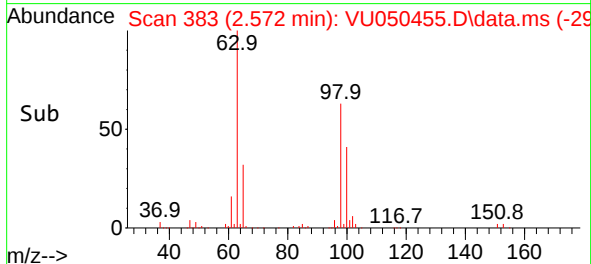
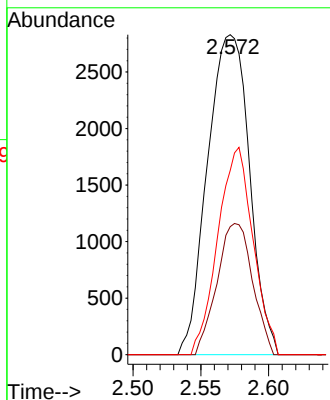
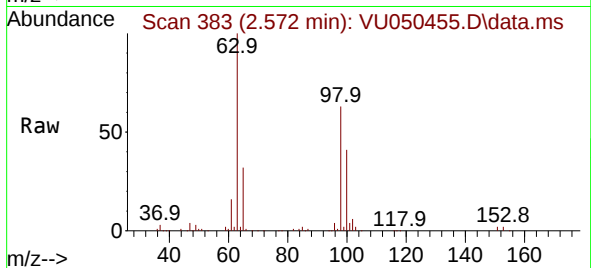
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Tgt Ion: 101 Resp: 610
Ion Ratio Lower Upper
101 100
85 34.7 35.3 52.9
151 54.4 57.3 85.9

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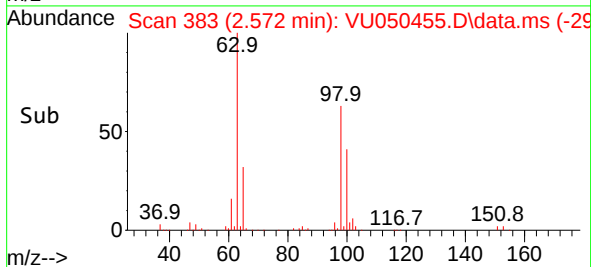
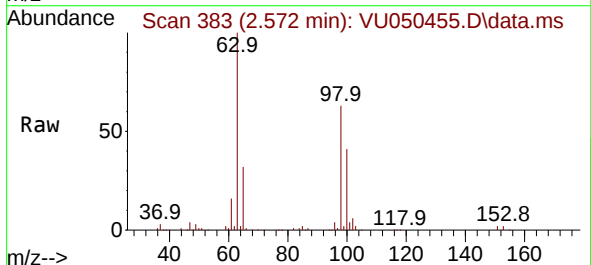
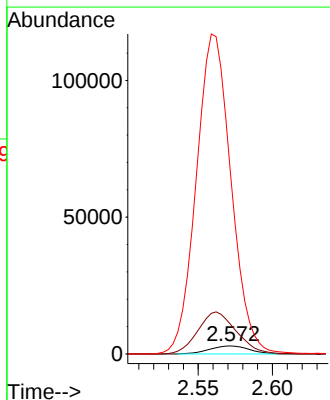
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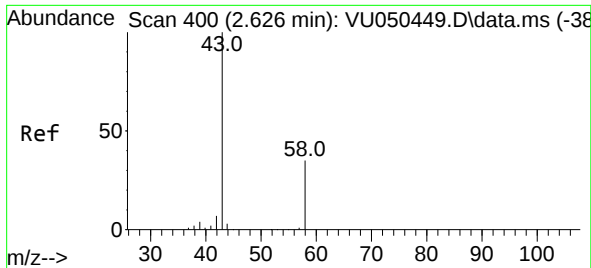
Supervised By :Semsetun
Yesilyurt
08/27/2022



#12
1,1-Dichloroethene
Concen: 2.860 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 96 Resp: 5479
Ion Ratio Lower Upper
96 100
61 370.6 116.8 216.8#
63 2269.2 97.4 180.8#





#13

Acetone

Concen: 4.534 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

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ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 43 Resp: 7200

Ion Ratio Lower Upper

43 100

58 31.6 0.0 72.2

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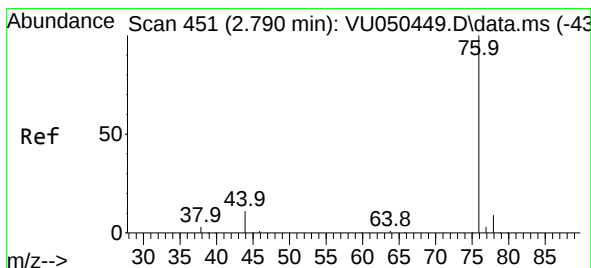
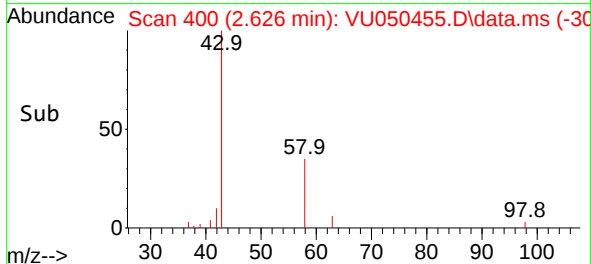
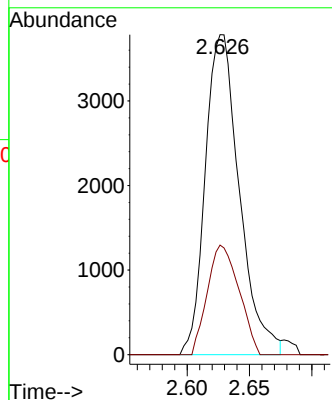
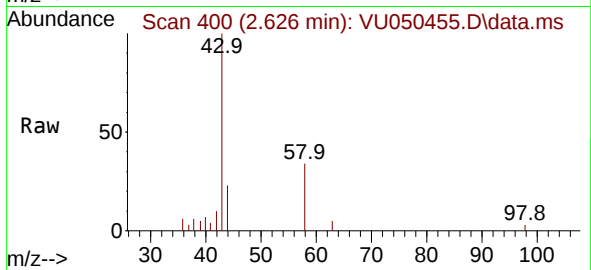
Patel

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#14

Carbon disulfide

Concen: 1.790 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU050455.D

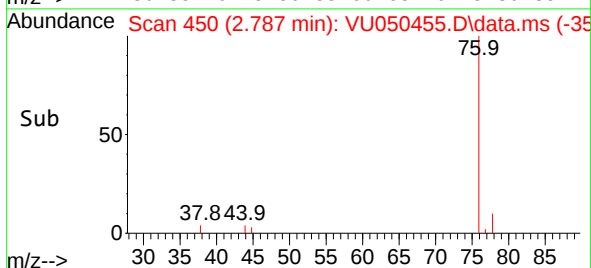
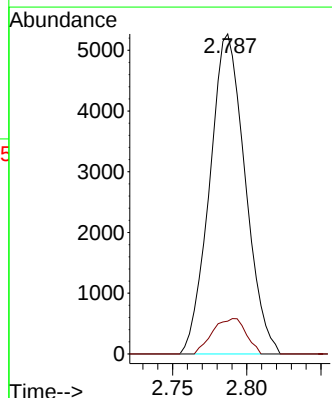
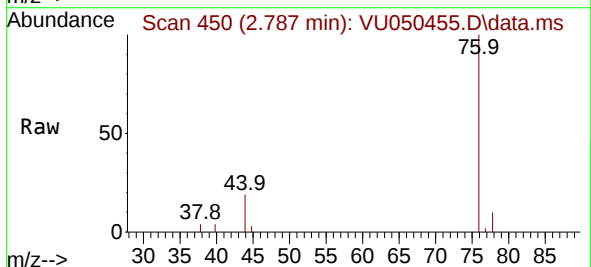
Acq: 26 Aug 2022 14:26

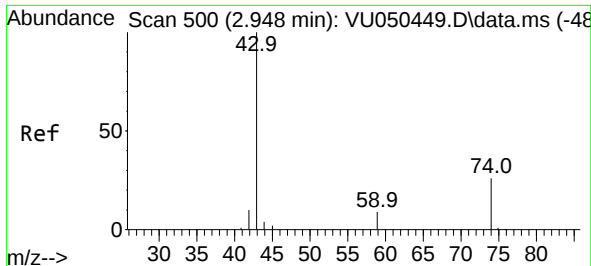
Tgt Ion: 76 Resp: 8750

Ion Ratio Lower Upper

76 100

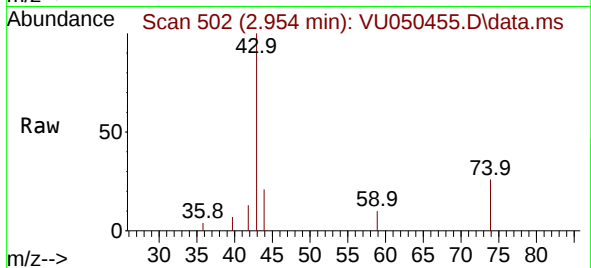
78 10.2 7.3 10.9





#15
Methyl Acetate
Concen: 2.162 ug/L
RT: 2.954 min Scan# 500
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

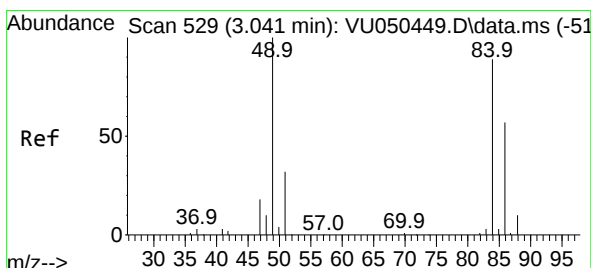
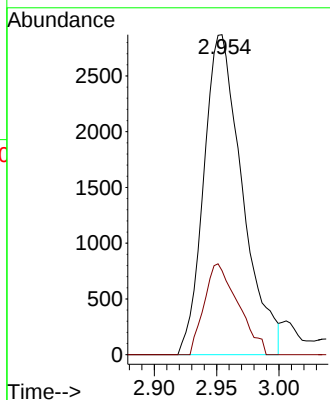
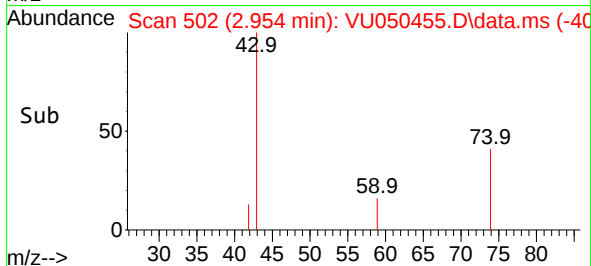


Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
74 24.6 21.2 31.8

Manual Integrations
APPROVED

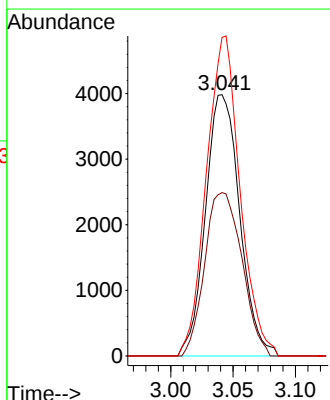
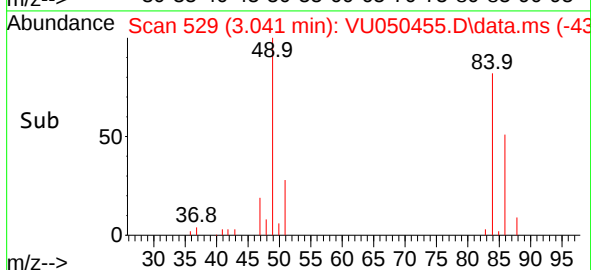
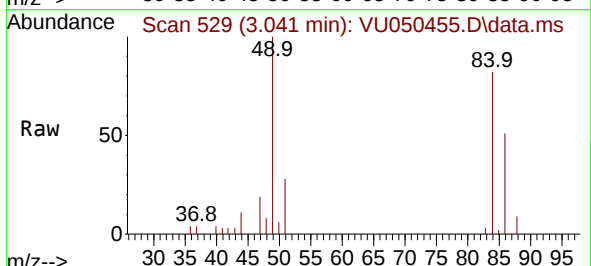
Reviewed By :Krupa
Patel
08/27/2022

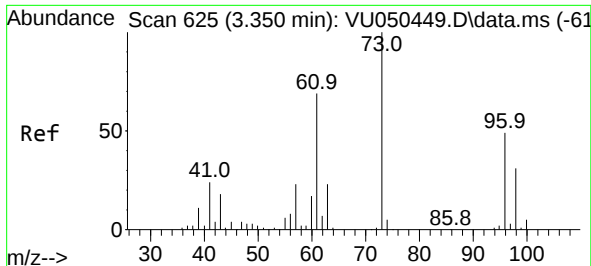
Supervised By :Semsetun
Yesilyurt
08/27/2022



#16
Methylene chloride
Concen: 2.858 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 84 Resp: 7631
Ion Ratio Lower Upper
84 100
86 62.5 43.9 81.5
49 121.9 80.4 149.4





#17

trans-1,2-Dichloroethene

Concen: 1.991 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT3-2022-05

Tgt Ion:	96	Resp:	4010
Ion	Ratio	Lower	Upper
96	100		
61	121.1	98.5	182.9
98	56.8	45.7	84.9

Manual Integrations

APPROVED

Reviewed By :Krupa

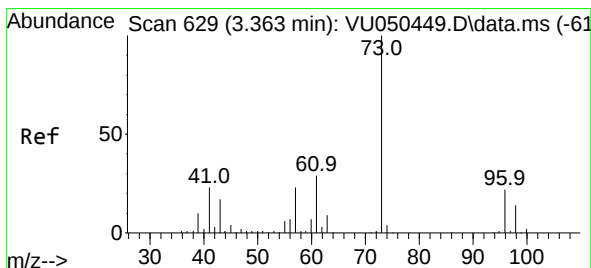
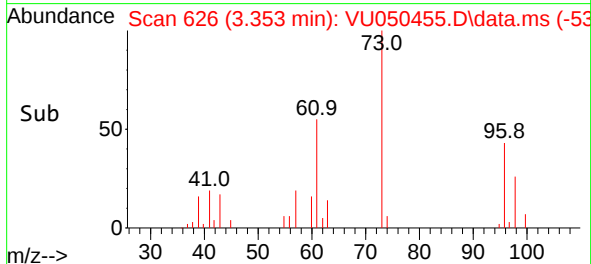
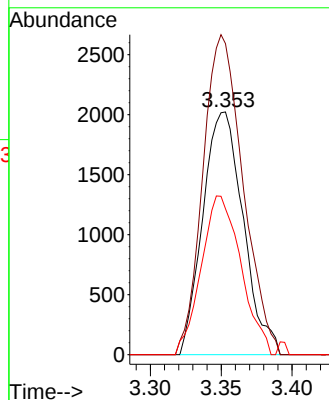
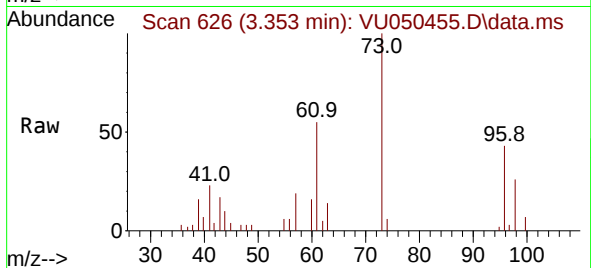
Patel

08/27/2022

Supervised By :Semsetun

Yesilyurt

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#18

Methyl tert-butyl Ether

Concen: 2.224 ug/L

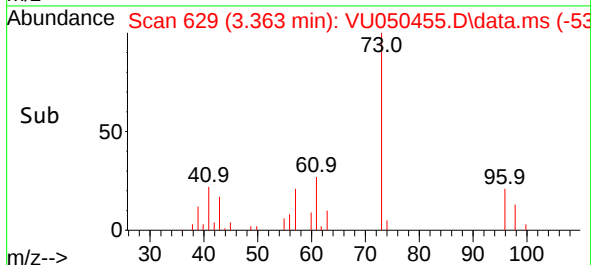
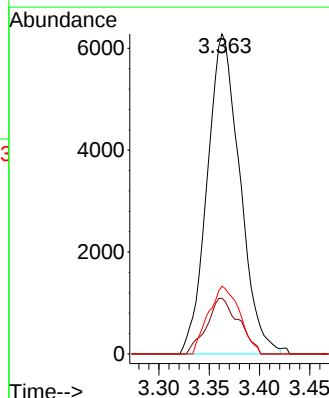
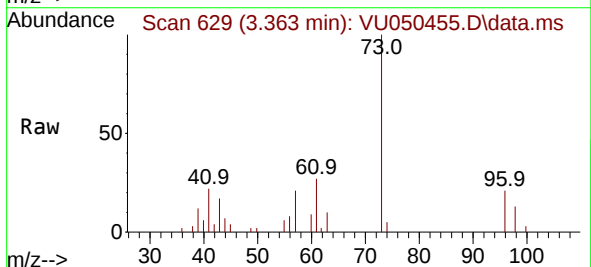
RT: 3.363 min Scan# 629

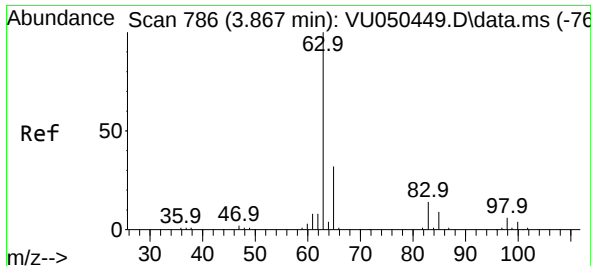
Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Tgt Ion:	73	Resp:	14177
Ion	Ratio	Lower	Upper
73	100		
43	17.2	14.4	21.6
57	20.3	17.8	26.8





#19
1,1-Dichloroethane
Concen: 2.112 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

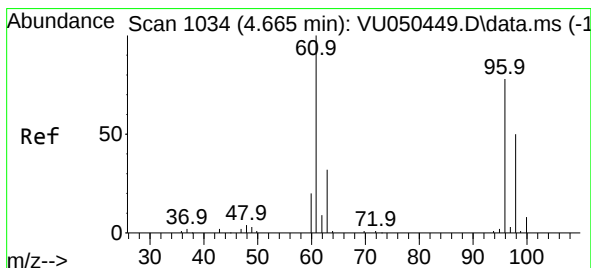
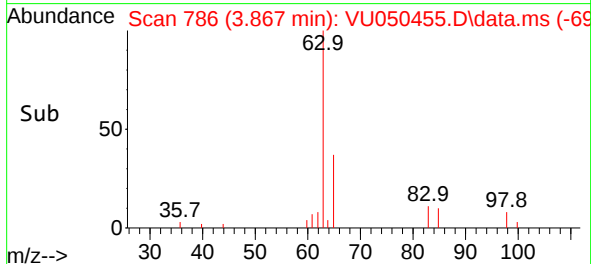
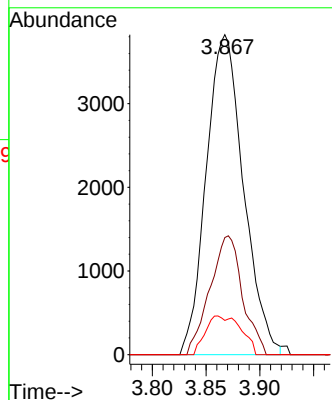
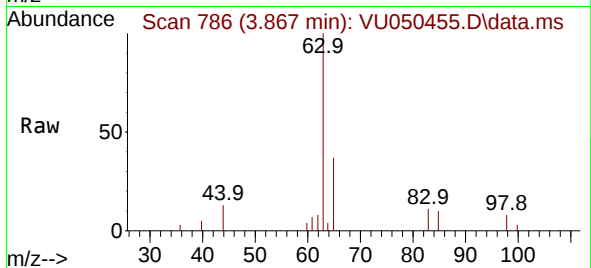
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 63 Resp: 9210
Ion Ratio Lower Upper
63 100
65 35.1 23.3 43.3
83 10.3 9.0 16.8

Manual Integrations
APPROVED

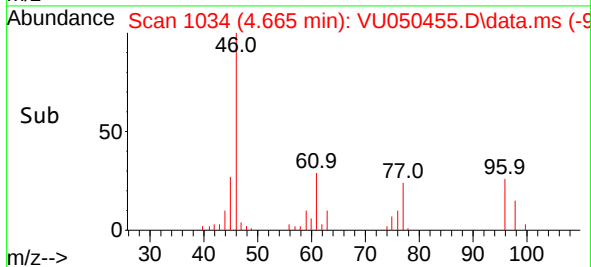
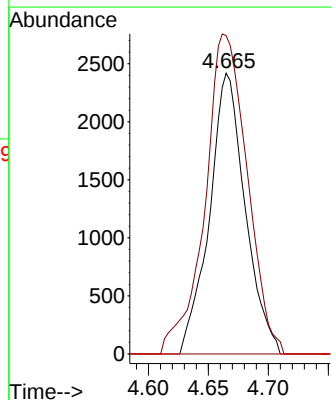
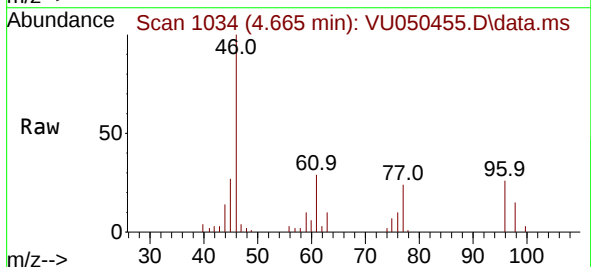
Reviewed By :Krupa
Patel
08/27/2022

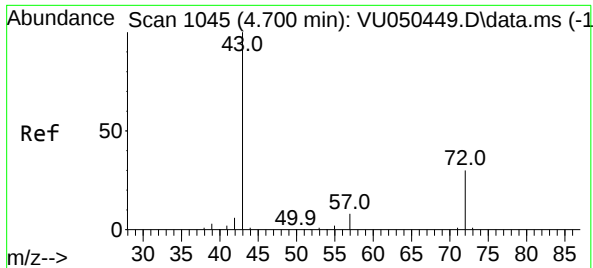
Supervised By :Semsetun
Yesilyurt
08/27/2022



#20
cis-1,2-Dichloroethene
Concen: 2.078 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

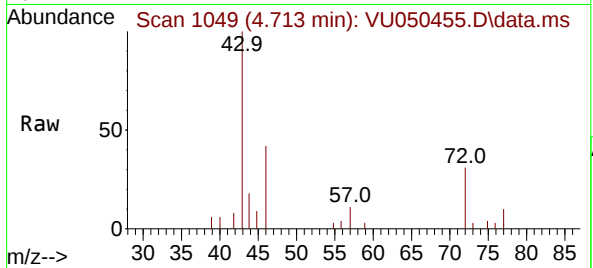
Tgt Ion: 96 Resp: 5013
Ion Ratio Lower Upper
96 100
61 113.4 88.1 163.5
68 0.0 0.0 0.0





#22
2-Butanone
Concen: 5.082 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

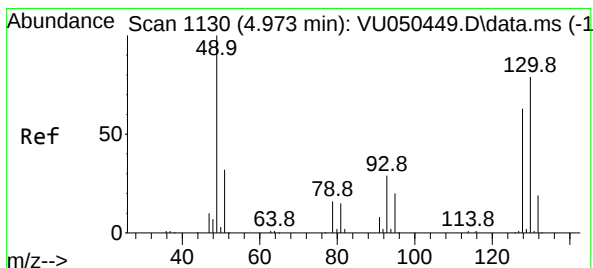
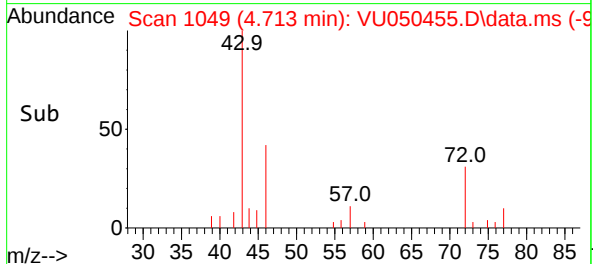
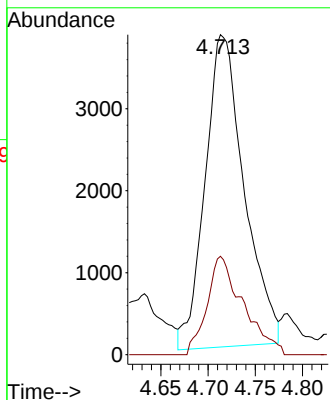


Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
72 19.9 15.0 45.0

Manual Integrations
APPROVED

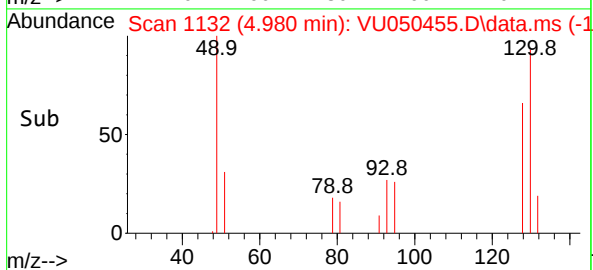
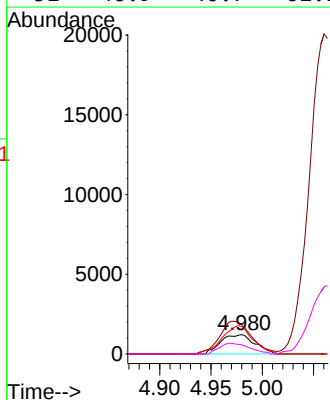
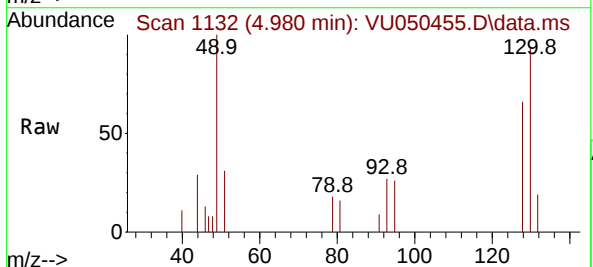
Reviewed By :Krupa
Patel
08/27/2022

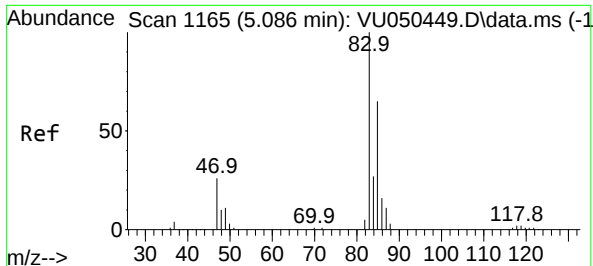
Supervised By :Semsetun
Yesilyurt
08/27/2022



#23
Bromochloromethane
Concen: 2.114 ug/L m
RT: 4.980 min Scan# 1132
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

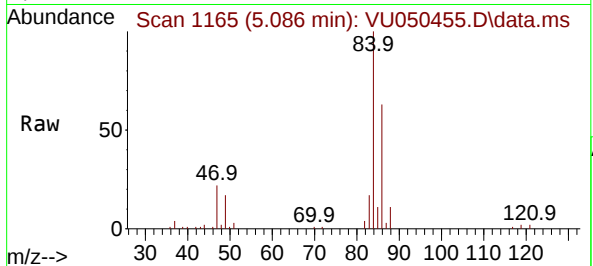
Tgt Ion:128 Resp: 2785
Ion Ratio Lower Upper
128 100
49 151.9 111.2 206.4
130 141.9 91.1 169.1
51 46.9 40.7 61.1





#25
Chloroform
Concen: 2.552 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

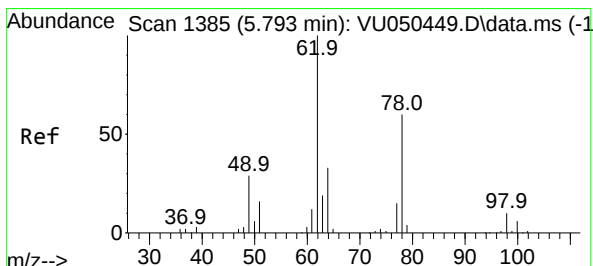
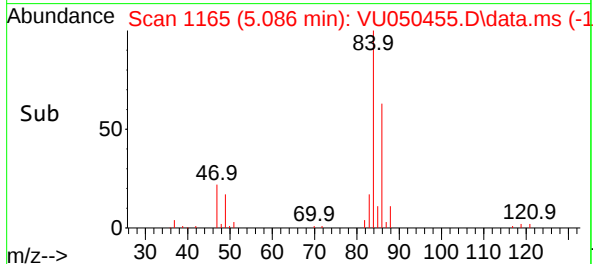
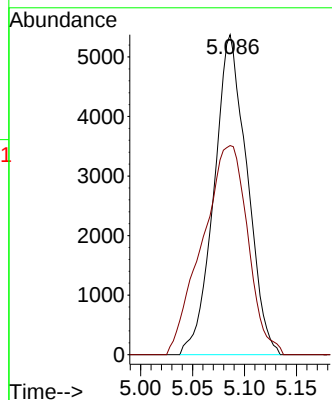


Tgt Ion: 83 Resp: 1186
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9

Manual Integrations
APPROVED

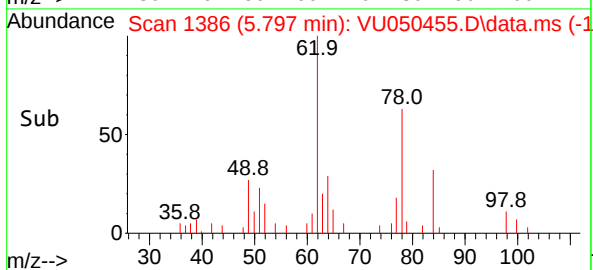
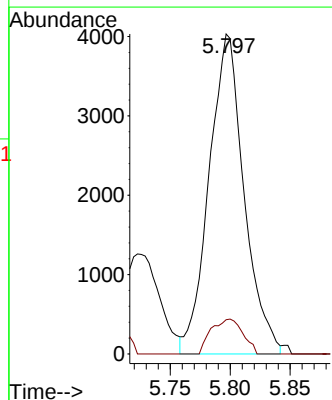
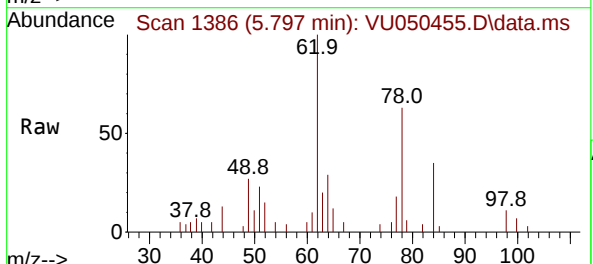
Reviewed By :Krupa
Patel
08/27/2022

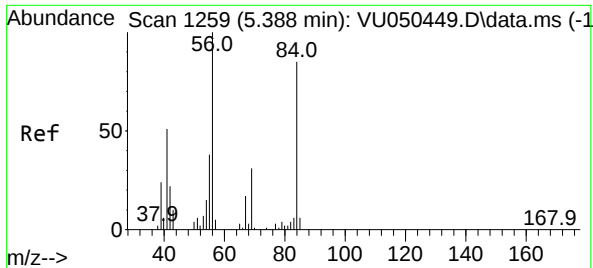
Supervised By :Semsetun
Yesilyurt
08/27/2022



#27
1,2-Dichloroethane
Concen: 2.356 ug/L
RT: 5.797 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

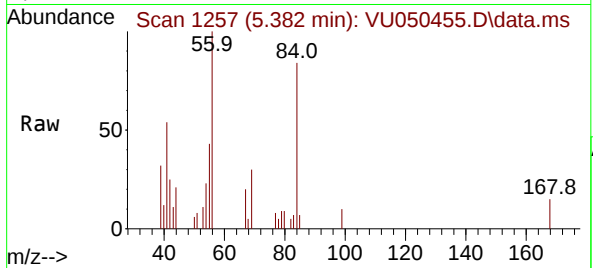
Tgt Ion: 62 Resp: 8169
Ion Ratio Lower Upper
62 100
98 10.7 7.3 10.9





#29
Cyclohexane
Concen: 1.734 ug/L
RT: 5.382 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

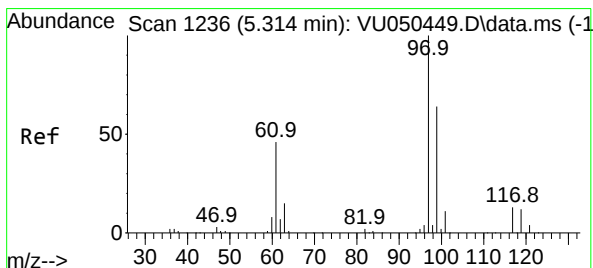
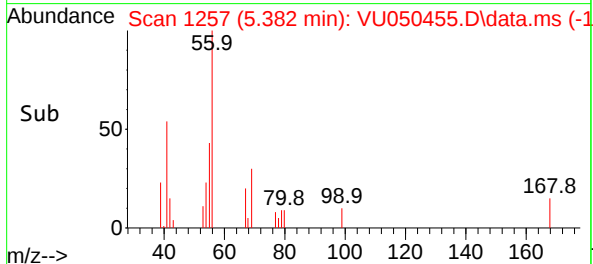
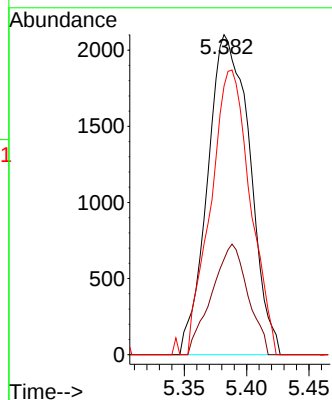


Tgt Ion: 56 Resp: 494
Ion Ratio Lower Upper
56 100
69 29.7 24.6 36.8
84 83.5 68.8 103.2

Manual Integrations
APPROVED

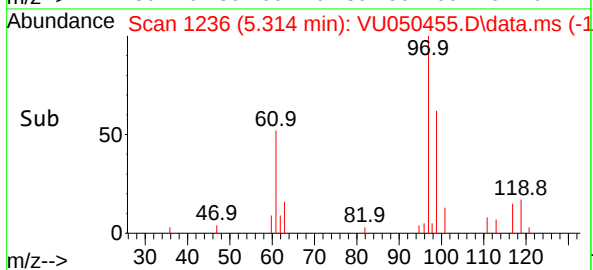
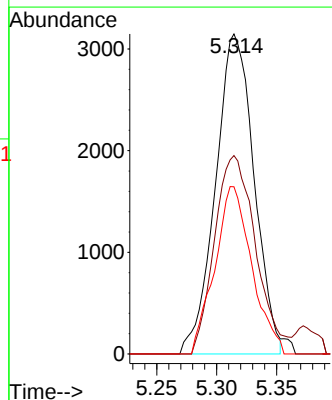
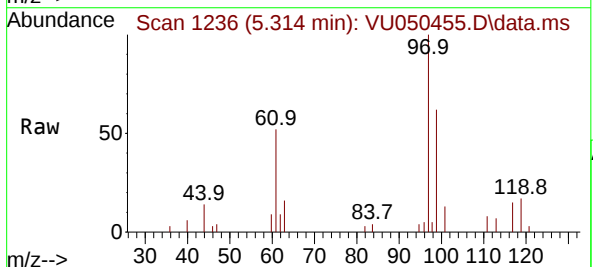
Reviewed By :Krupa
Patel
08/27/2022

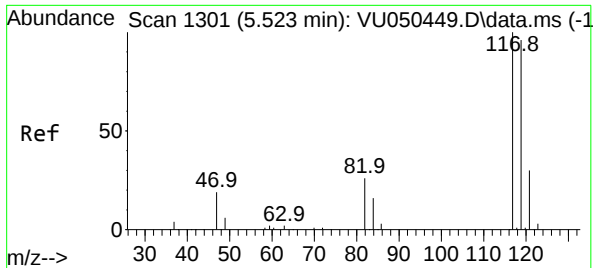
Supervised By :Semsetun
Yesilyurt
08/27/2022



#30
1,1,1-Trichloroethane
Concen: 1.984 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 97 Resp: 7034
Ion Ratio Lower Upper
97 100
99 66.5 51.2 76.8
61 50.2 36.6 55.0





#31
Carbon tetrachloride
Concen: 2.043 ug/L
RT: 5.527 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

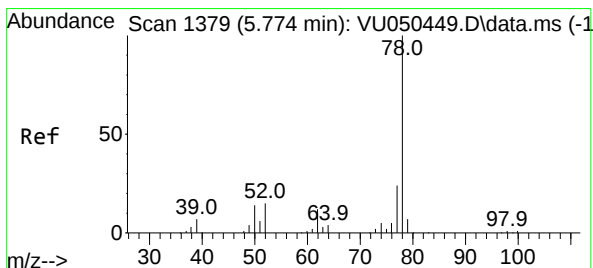
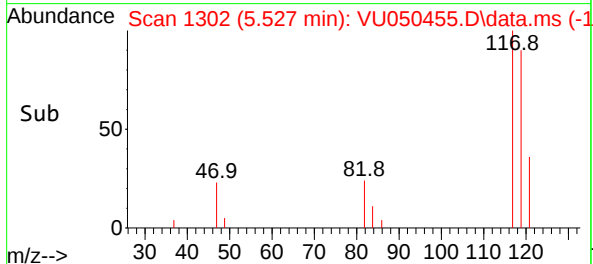
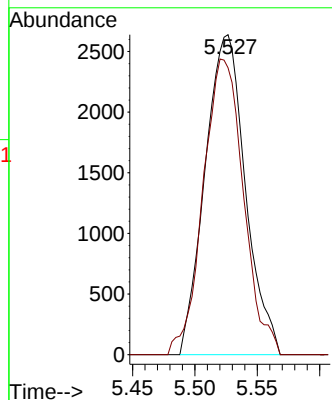
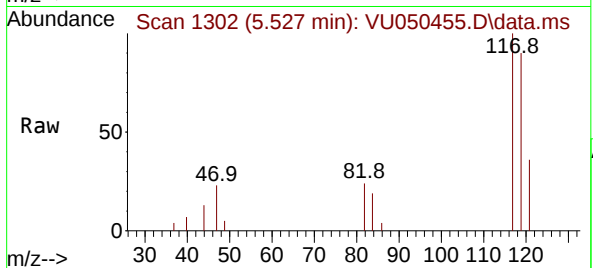
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion:117 Resp: 5944
Ion Ratio Lower Upper
117 100
119 90.3 76.9 115.3

Manual Integrations
APPROVED

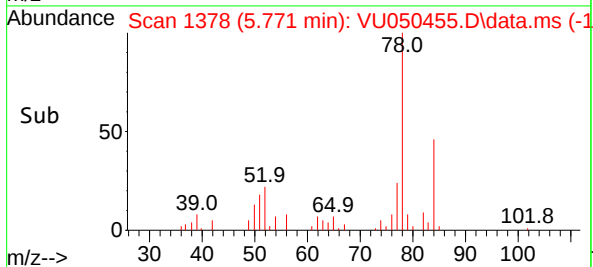
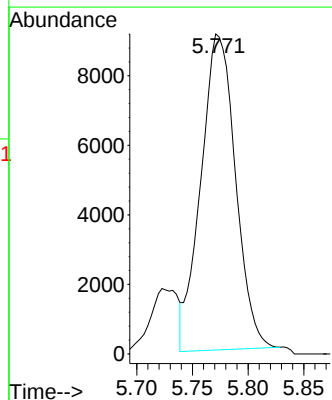
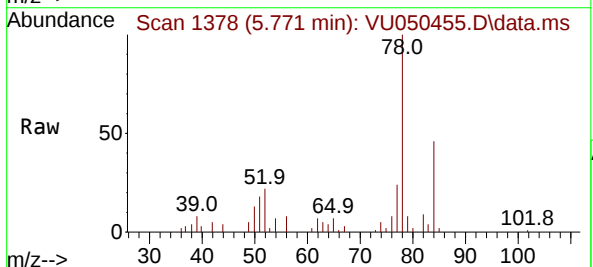
Reviewed By :Krupa
Patel
08/27/2022

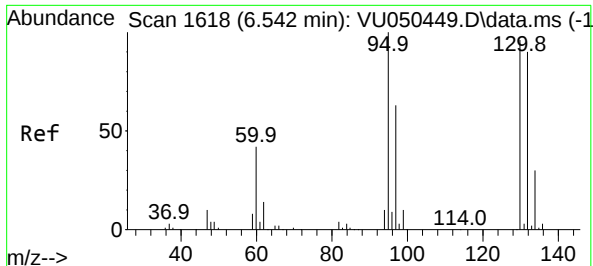
Supervised By :Semsetun
Yesilyurt
08/27/2022



#33
Benzene
Concen: 2.095 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

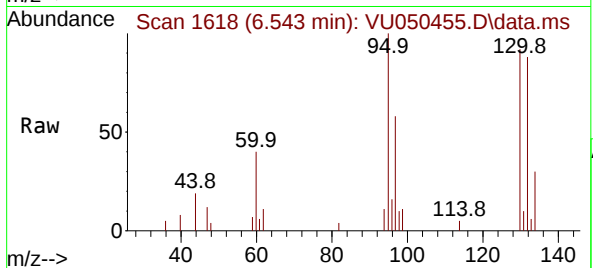
Tgt Ion: 78 Resp: 19656





#34
Trichloroethene
Concen: 2.141 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.001 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

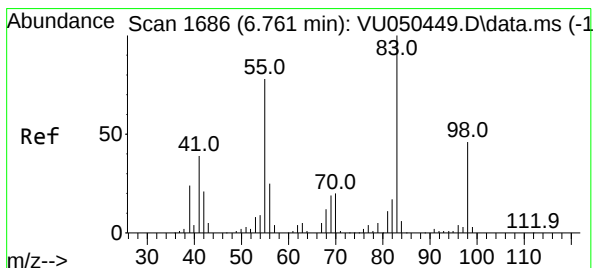
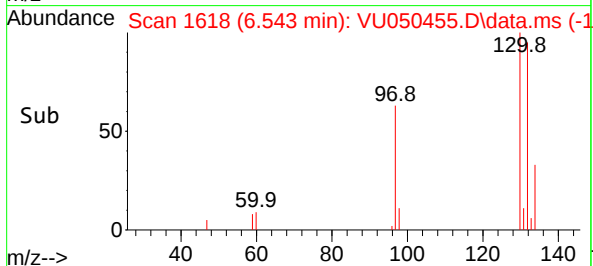
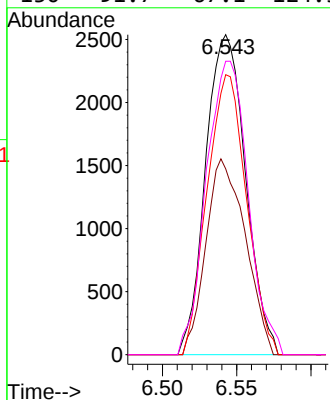


Tgt Ion: 95 Resp: 4750
Ion Ratio Lower Upper
95 100
97 58.1 45.2 84.0
132 87.5 64.4 119.6
130 91.7 67.1 124.5

Manual Integrations
APPROVED

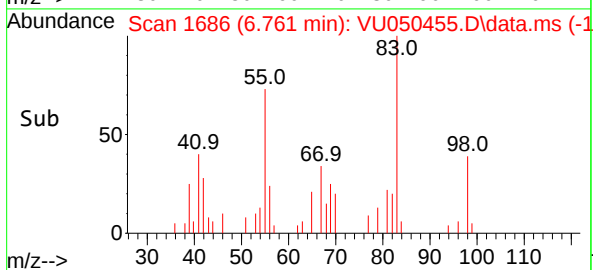
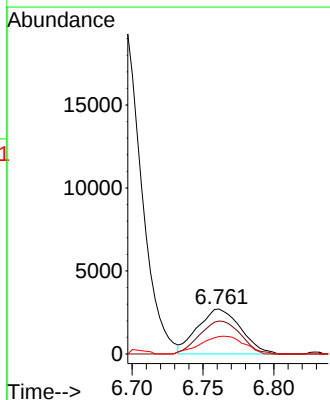
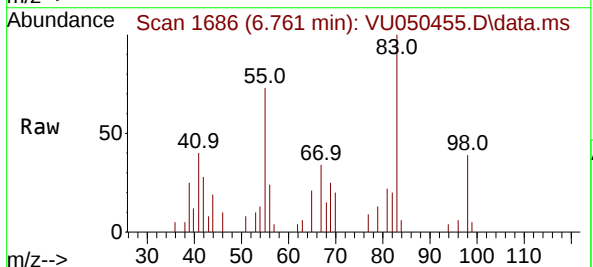
Reviewed By :Krupa
Patel
08/27/2022

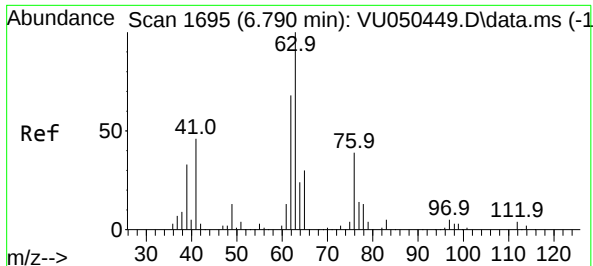
Supervised By :Semsetun
Yesilyurt
08/27/2022



#35
Methylcyclohexane
Concen: 1.840 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion: 83 Resp: 5715
Ion Ratio Lower Upper
83 100
55 69.5 61.9 92.9
98 39.3 35.8 53.8





#37

1,2-Dichloropropane

Concen: 2.174 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

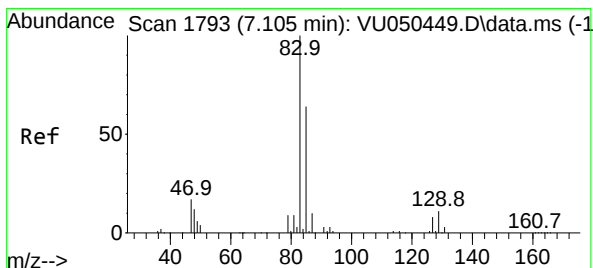
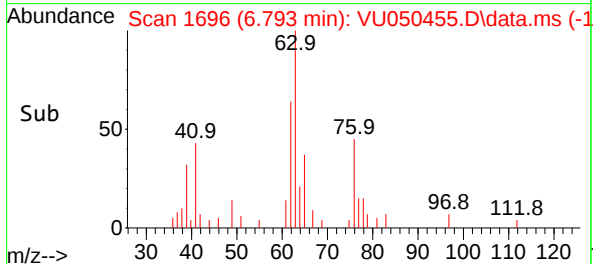
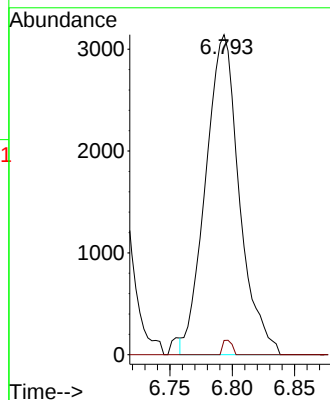
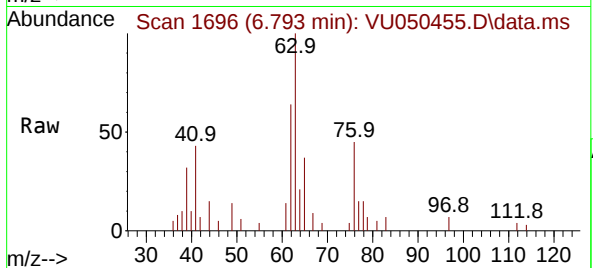
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 63 Resp: 5924
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.0 4.4

Manual Integrations
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Reviewed By :Krupa
 Patel
 08/27/2022

Supervised By :Semsetun
 Yesilyurt
 08/27/2022



#38

Bromodichloromethane

Concen: 2.103 ug/L

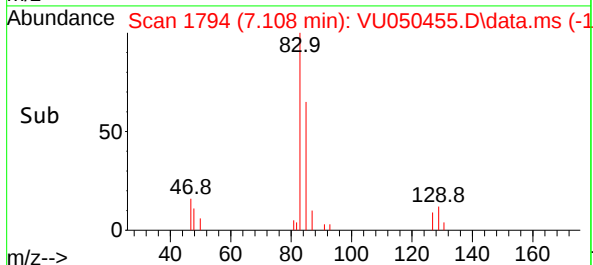
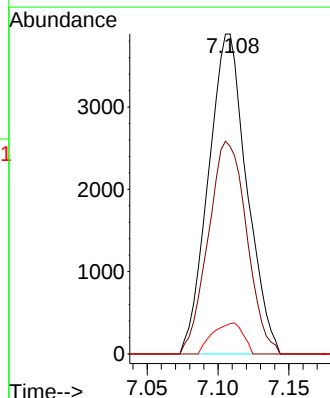
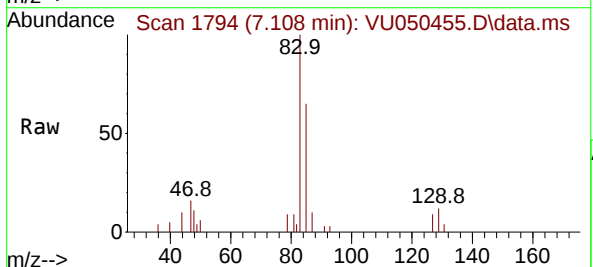
RT: 7.108 min Scan# 1794

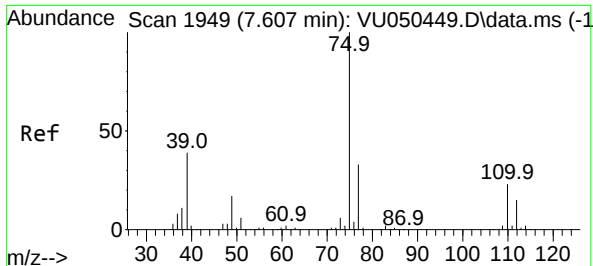
Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Tgt Ion: 83 Resp: 7314
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.2 85.8
 127 9.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 1.879 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

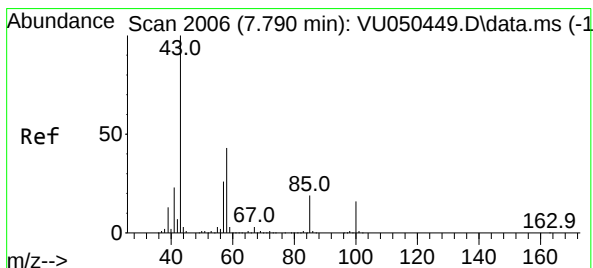
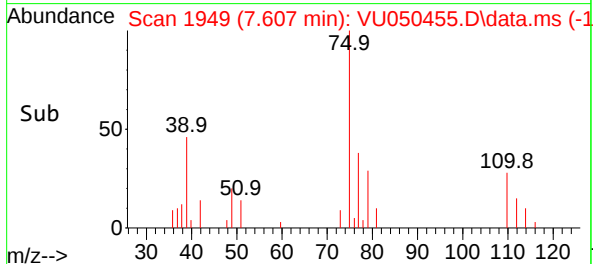
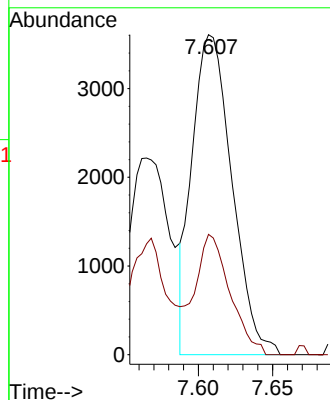
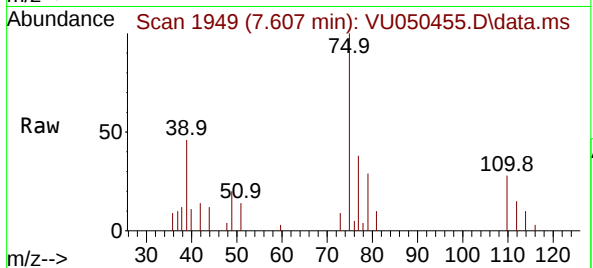
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 75 Resp: 6724
 Ion Ratio Lower Upper
 75 100
 77 37.6 22.8 42.4

Manual Integrations
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Reviewed By :Krupa
 Patel
 08/27/2022

Supervised By :Semsetun
 Yesilyurt
 08/27/2022



#40

4-Methyl-2-pentanone

Concen: 4.034 ug/L

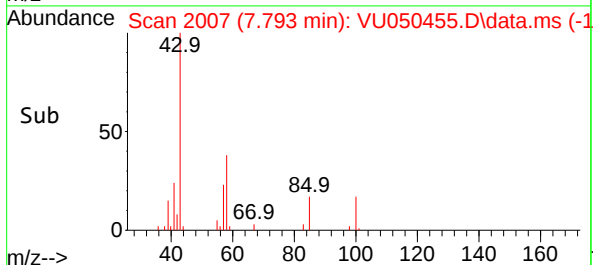
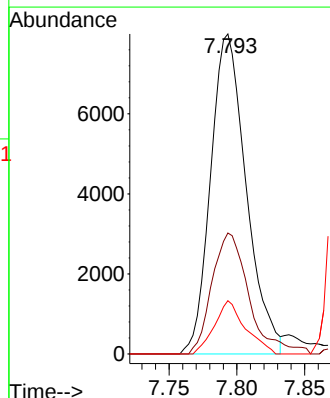
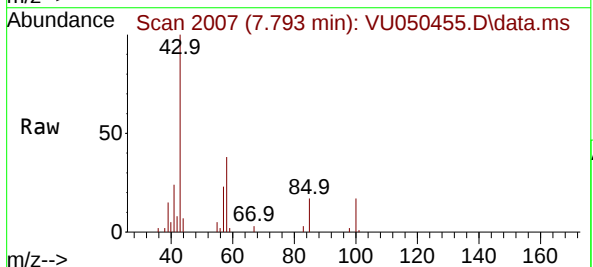
RT: 7.793 min Scan# 2007

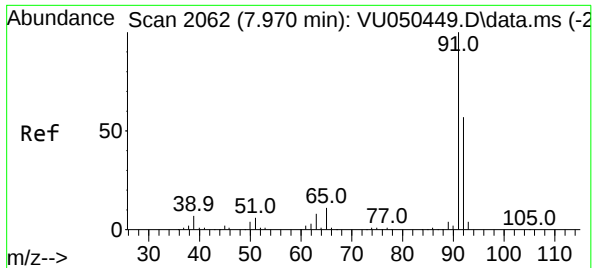
Delta R.T. 0.003 min

Lab File: VU050455.D

Acq: 26 Aug 2022 14:26

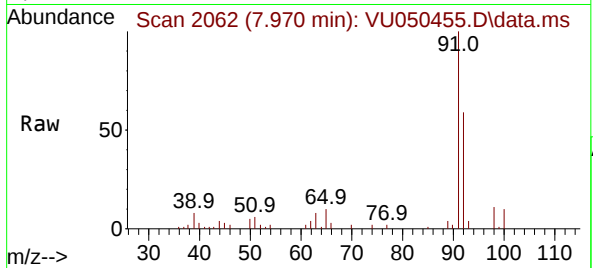
Tgt Ion: 43 Resp: 14609
 Ion Ratio Lower Upper
 43 100
 58 38.8 34.0 51.0
 100 14.4 13.0 19.4





#42
Toluene
Concen: 2.142 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

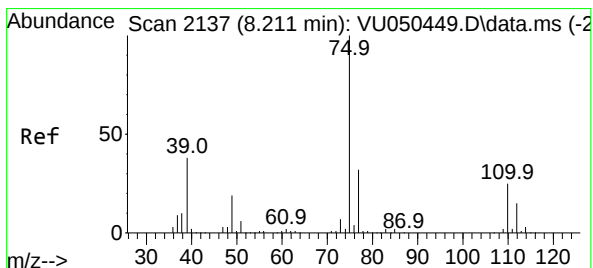
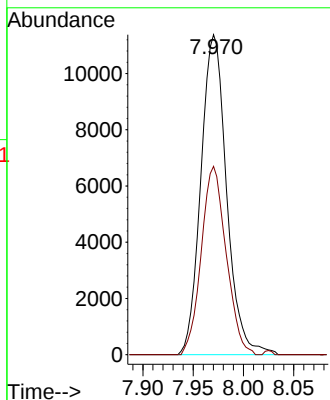
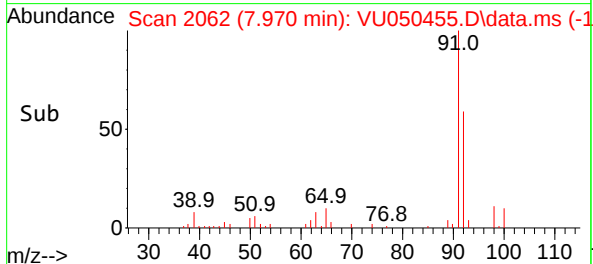


Tgt Ion: 91 Resp: 20249
Ion Ratio Lower Upper
91 100
92 58.9 40.3 74.9

Manual Integrations
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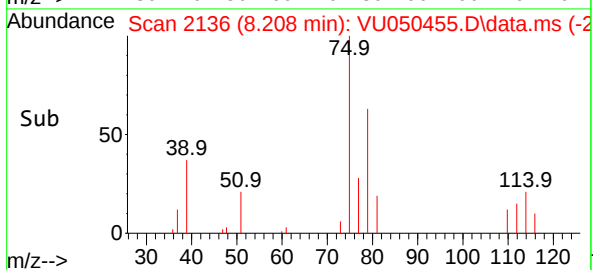
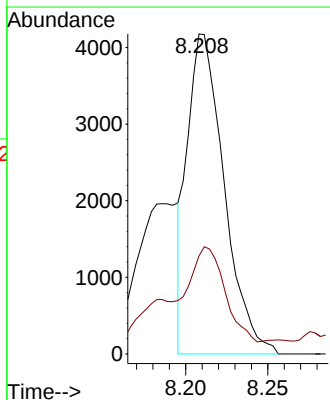
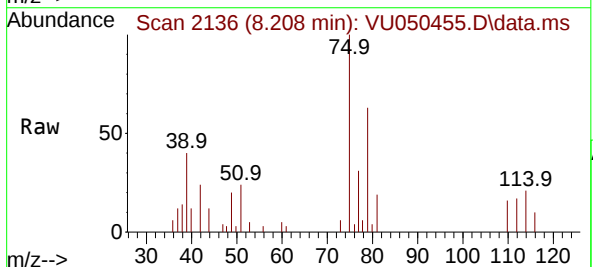
Reviewed By :Krupa
Patel
08/27/2022

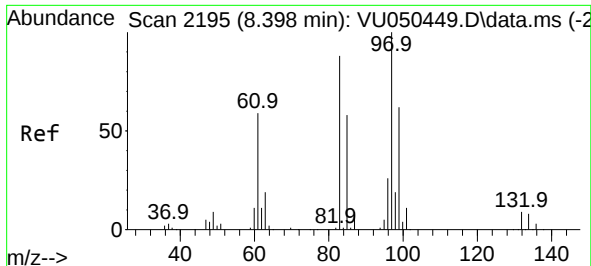
Supervised By :Semsetun
Yesilyurt
08/27/2022



#44
trans-1,3-Dichloropropene
Concen: 1.954 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

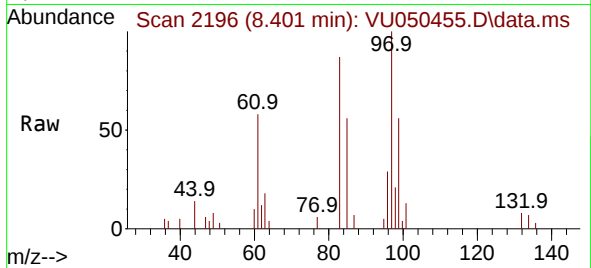
Tgt Ion: 75 Resp: 6519
Ion Ratio Lower Upper
75 100
77 30.7 22.5 41.7





#45
1,1,2-Trichloroethane
Concen: 2.144 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

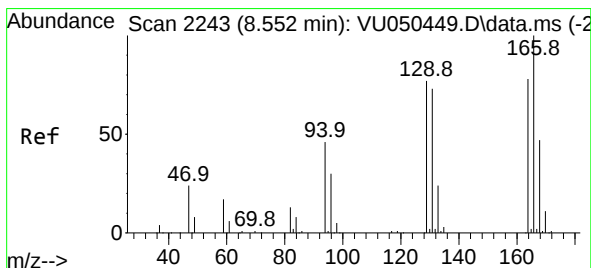
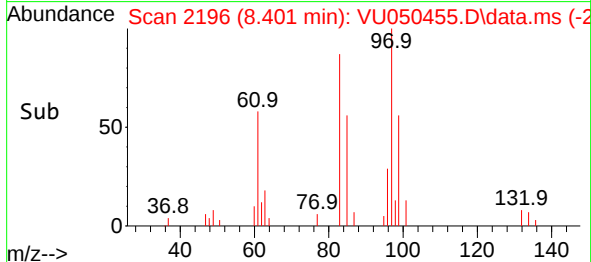
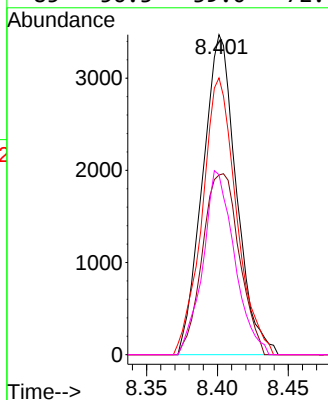


Tgt Ion:	97	Resp:	575
Ion	Ratio	Lower	Upper
97	100		
99	56.1	43.3	80.3
83	86.5	60.3	112.1
85	56.3	39.0	72.4

Manual Integrations
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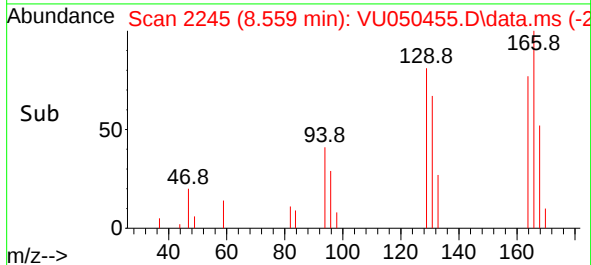
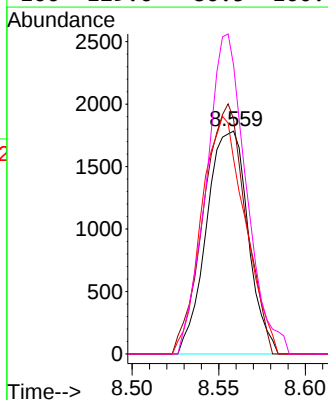
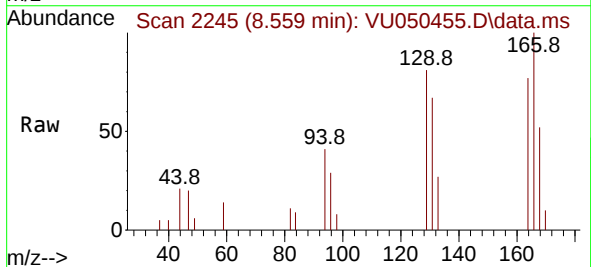
Reviewed By :Krupa
Patel
08/27/2022

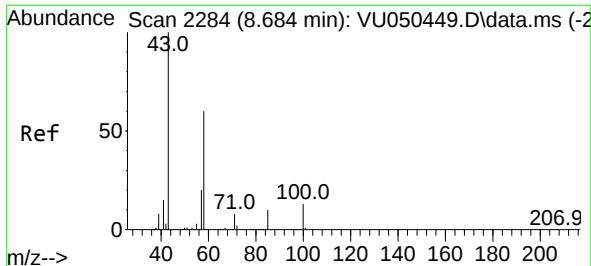
Supervised By :Semsetun
Yesilyurt
08/27/2022



#46
Tetrachloroethene
Concen: 1.824 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

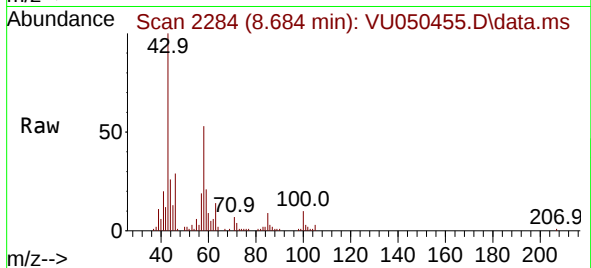
Tgt Ion:	164	Resp:	2976
Ion	Ratio	Lower	Upper
164	100		
129	105.4	68.0	126.4
131	87.5	65.4	121.4
166	129.6	86.5	160.7





#48
2-Hexanone
Concen: 8.373 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

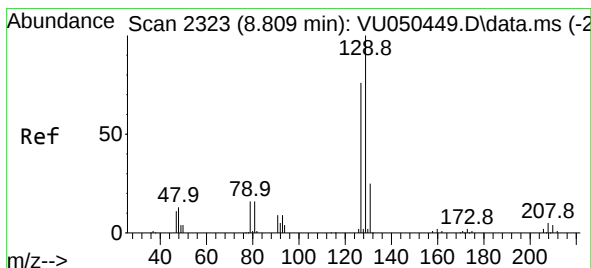
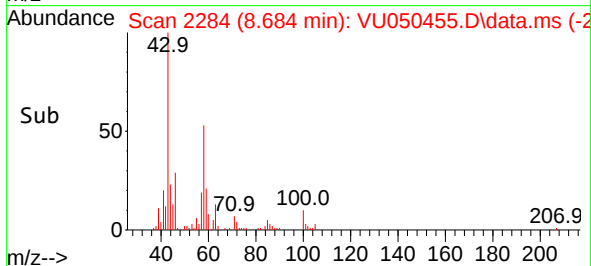
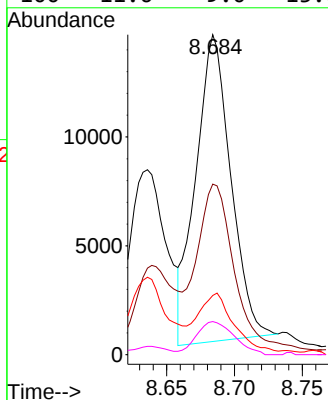


Tgt Ion: 43 Resp: 25320
Ion Ratio Lower Upper
43 100
58 57.0 47.9 71.9
57 21.2 15.4 23.0
100 11.6 9.0 13.6

Manual Integrations
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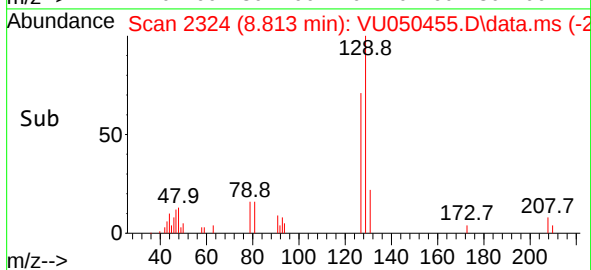
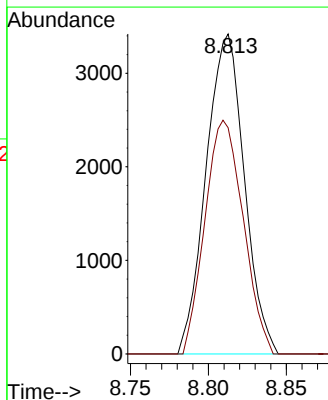
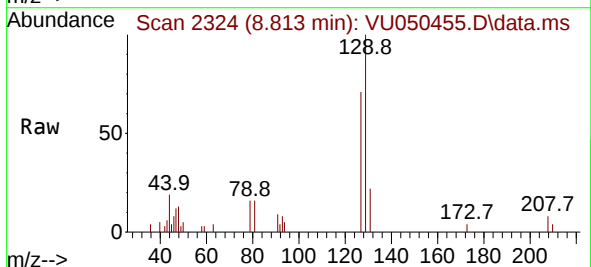
Reviewed By :Krupa
Patel
08/27/2022

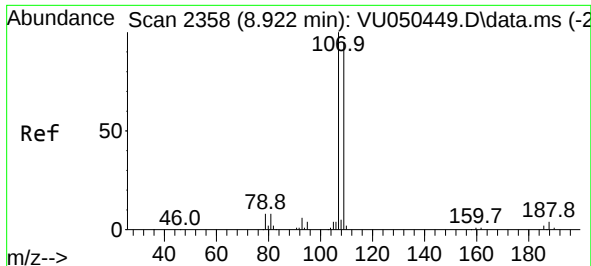
Supervised By :Semsetun
Yesilyurt
08/27/2022



#49
Dibromochloromethane
Concen: 2.101 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

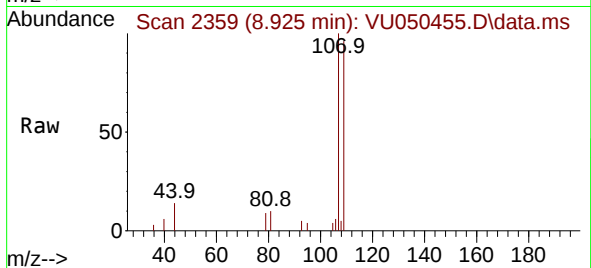
Tgt Ion:129 Resp: 5836
Ion Ratio Lower Upper
129 100
127 70.7 55.9 103.7





#50
1,2-Dibromoethane
Concen: 2.074 ug/L
RT: 8.925 min Scan# 2358
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

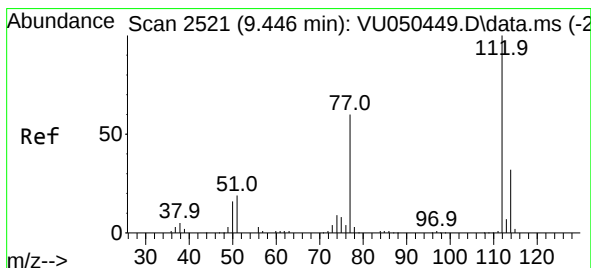
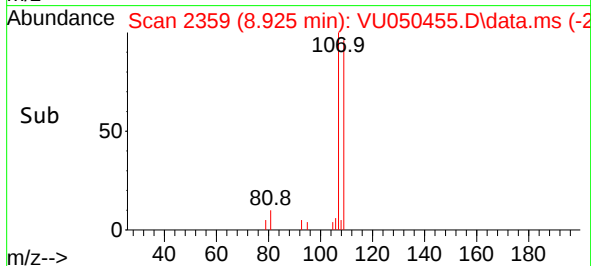
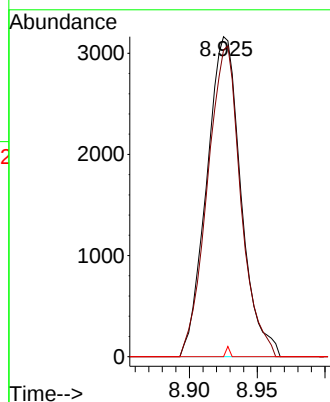


Tgt Ion:107 Resp: 5558
Ion Ratio Lower Upper
107 100
109 95.9 66.0 122.6
188 0.0 2.7 4.1

Manual Integrations
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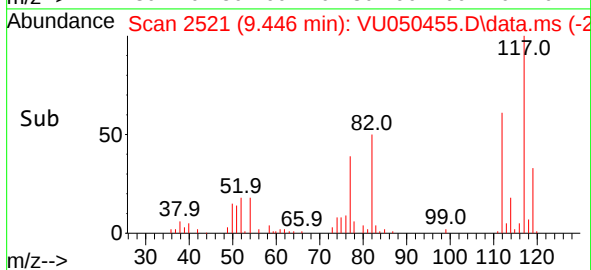
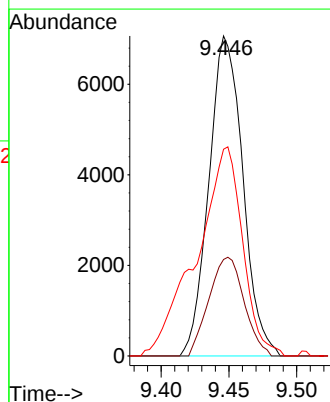
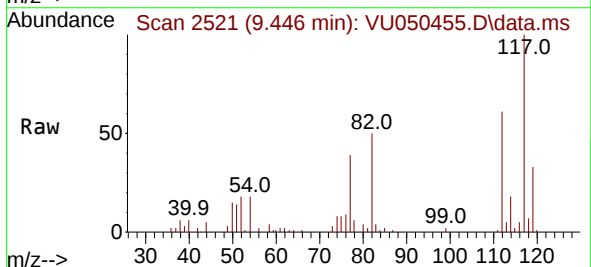
Reviewed By :Krupa
Patel
08/27/2022

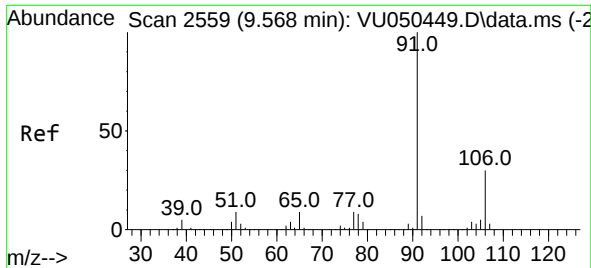
Supervised By :Semsetun
Yesilyurt
08/27/2022



#51
Chlorobenzene
Concen: 1.984 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:112 Resp: 12308
Ion Ratio Lower Upper
112 100
114 34.1 21.8 40.6
77 64.6 47.6 71.4





#52
Ethylbenzene
Concen: 1.741 ug/L
RT: 9.571 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

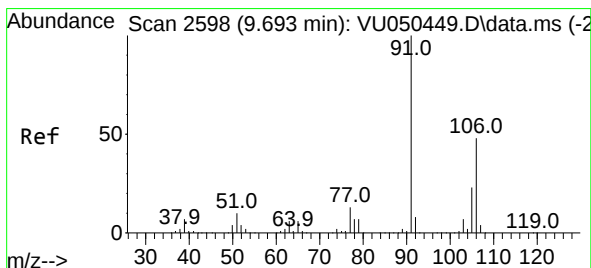
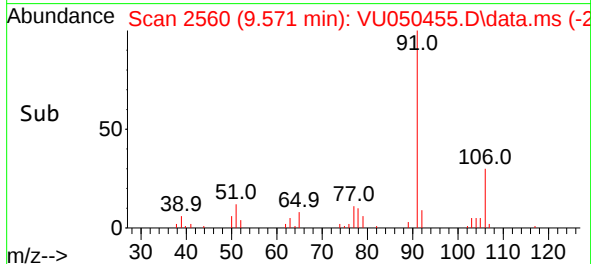
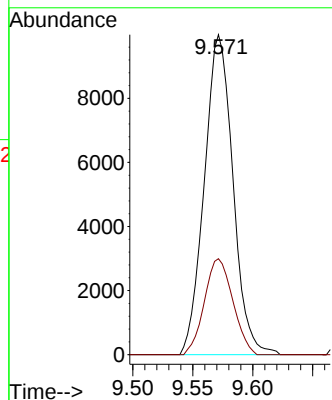
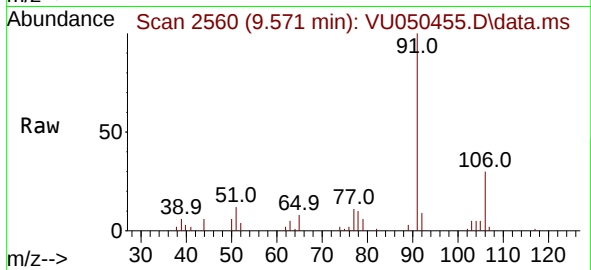
Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion: 91 Resp: 16584
Ion Ratio Lower Upper
91 100
106 32.5 21.7 40.3

Manual Integrations
APPROVED

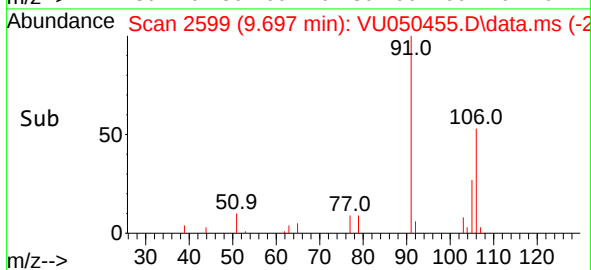
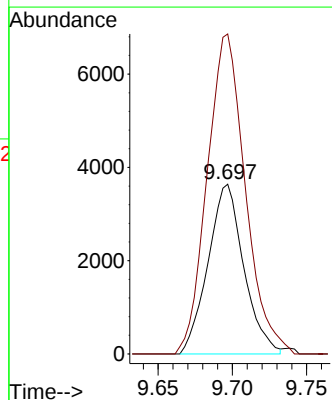
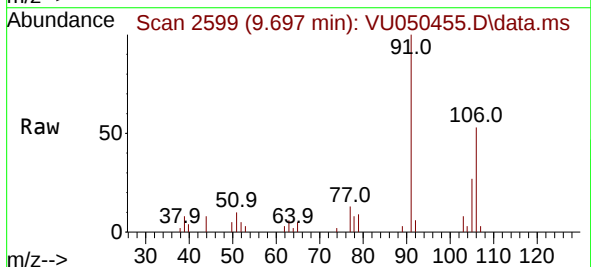
Reviewed By :Krupa
Patel
08/27/2022

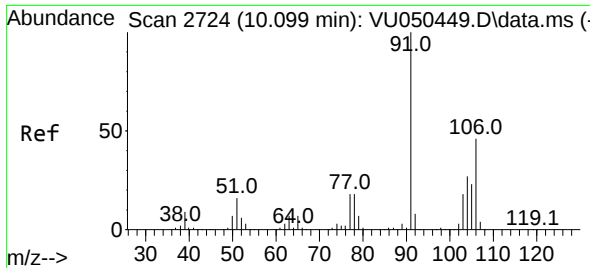
Supervised By :Semsetun
Yesilyurt
08/27/2022



#53
m,p-Xylene
Concen: 1.712 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:106 Resp: 6093
Ion Ratio Lower Upper
106 100
91 188.4 145.9 270.9





#54
o-Xylene
Concen: 1.685 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

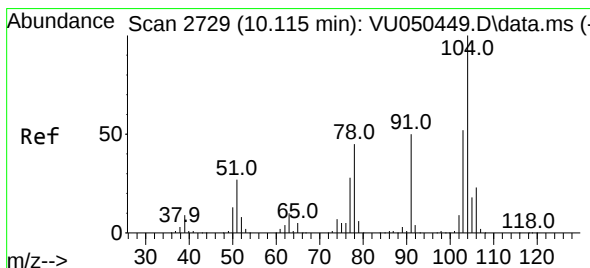
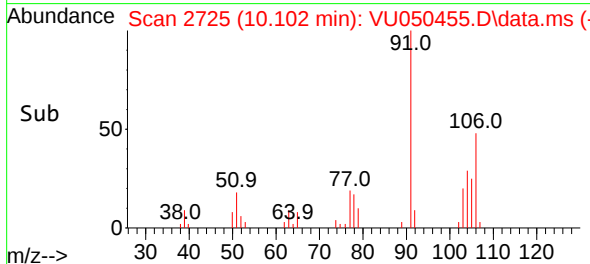
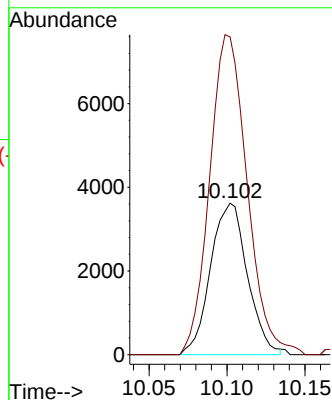
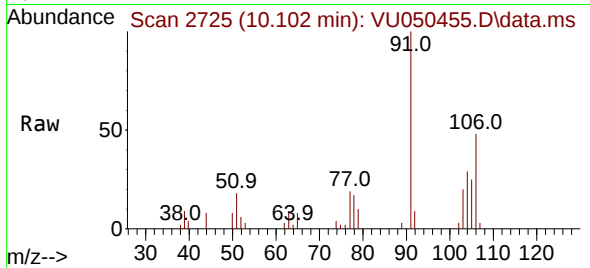
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Tgt Ion:106 Resp: 5950
Ion Ratio Lower Upper
106 100
91 196.2 154.8 287.4

Manual Integrations
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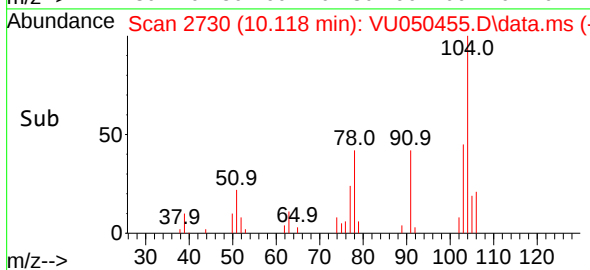
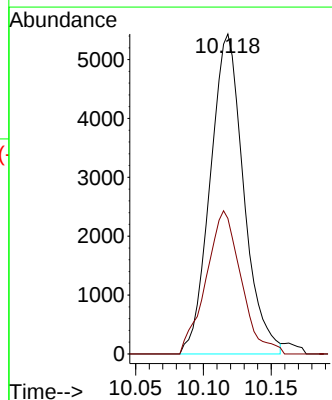
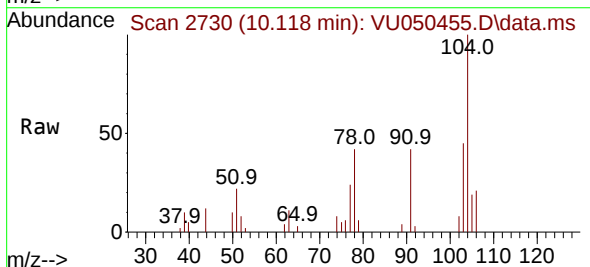
Reviewed By :Krupa
Patel
08/27/2022

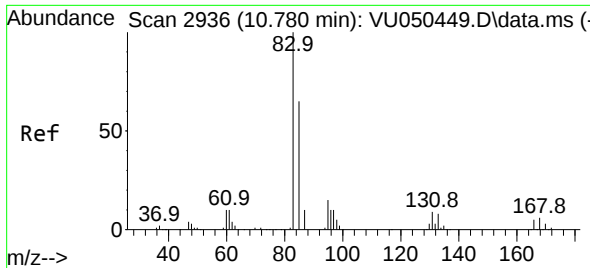
Supervised By :Semsetun
Yesilyurt
08/27/2022



#55
Styrene
Concen: 1.549 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

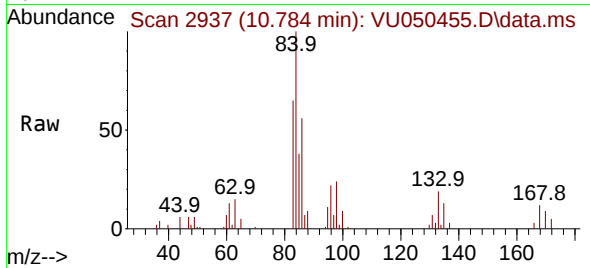
Tgt Ion:104 Resp: 9317
Ion Ratio Lower Upper
104 100
78 42.4 31.6 58.8





#57
1,1,2,2-Tetrachloroethane
Concen: 2.363 ug/L
RT: 10.784 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT3-2022-05

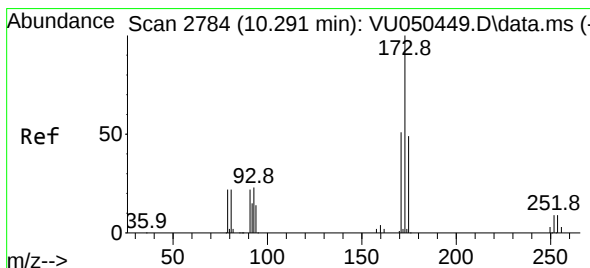
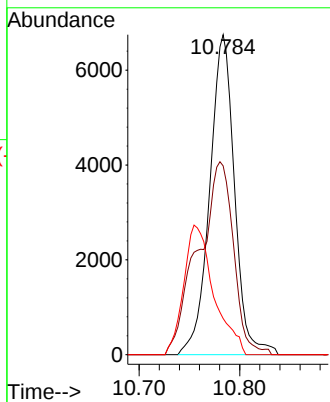
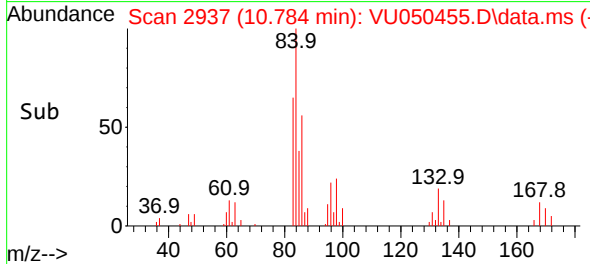


Tgt Ion: 83 Resp: 1158
Ion Ratio Lower Upper
83 100
85 59.0 45.4 84.2
131 11.3 7.2 10.8

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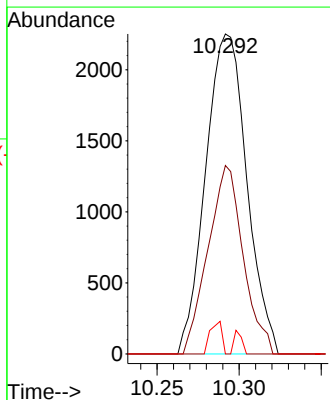
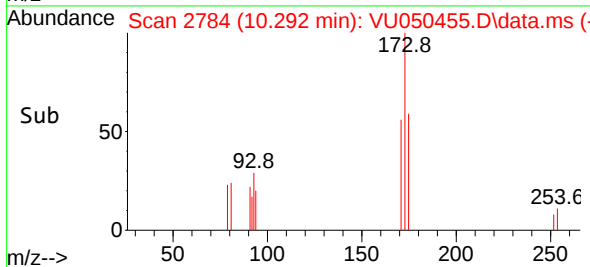
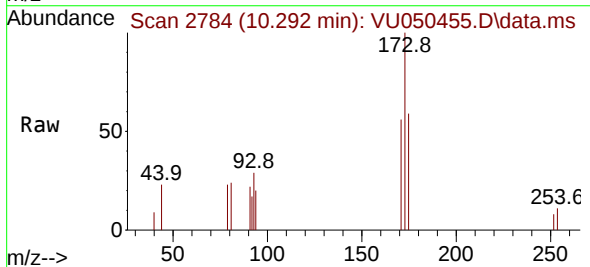
Reviewed By :Krupa
Patel
08/27/2022

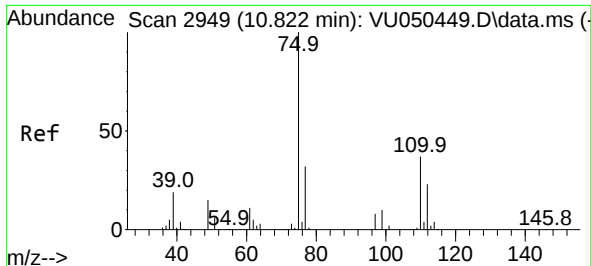
Supervised By :Semsetun
Yesilyurt
08/27/2022



#59
Bromoform
Concen: 2.286 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

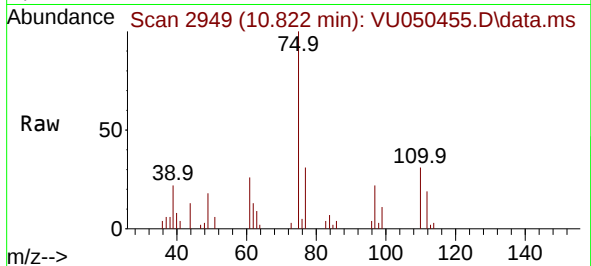
Tgt Ion:173 Resp: 3927
Ion Ratio Lower Upper
173 100
175 50.3 38.4 57.6
254 2.9 7.1 10.7





#60
1,2,3-Trichloropropane
Concen: 2.511 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

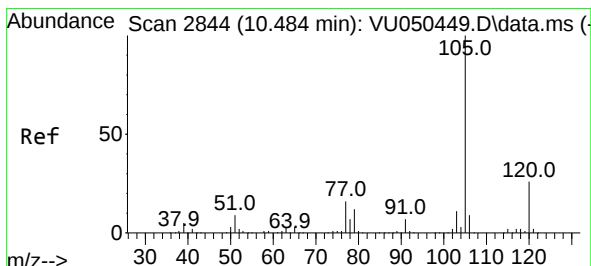
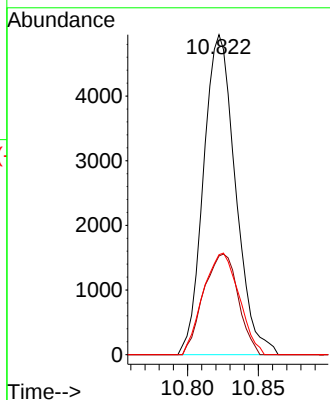
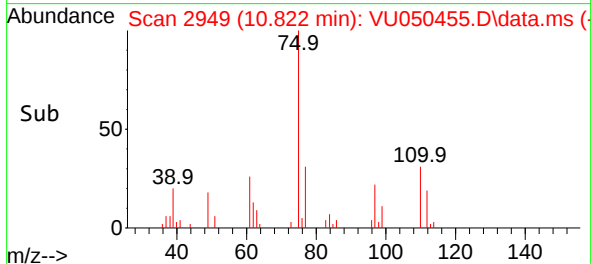


Tgt Ion: 75 Resp: 7762
Ion Ratio Lower Upper
75 100
77 34.0 25.7 38.5
110 35.5 29.0 43.4

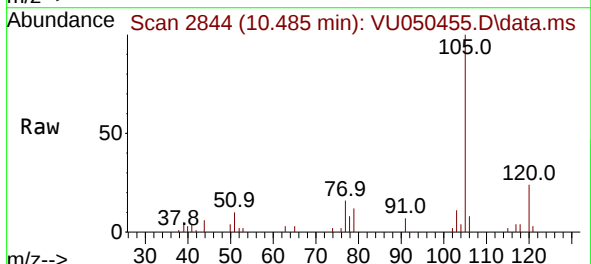
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Reviewed By :Krupa
Patel
08/27/2022

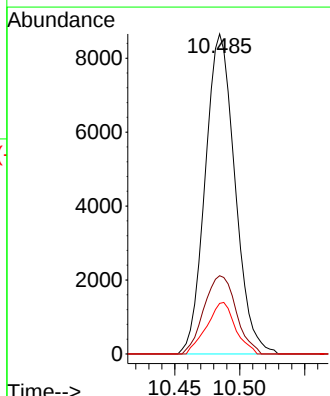
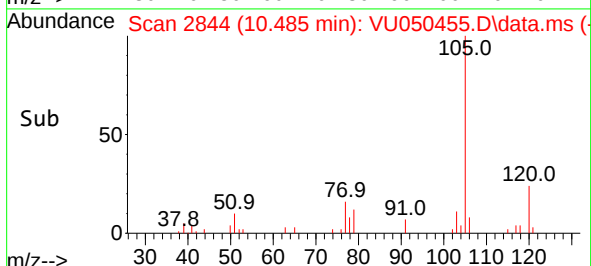
Supervised By :Semsetun
Yesilyurt
08/27/2022

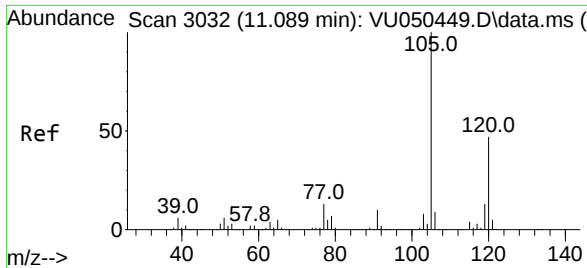


#61
Isopropylbenzene
Concen: 1.853 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26



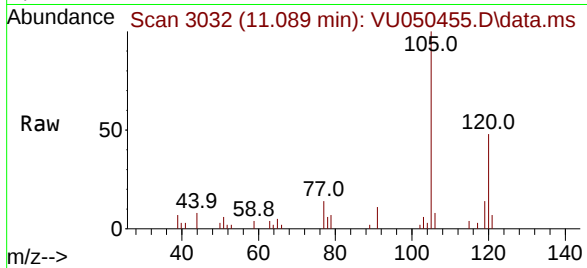
Tgt Ion:105 Resp: 13751
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 15.5 12.5 18.7





#62
 1,3,5-Trimethylbenzene
 Concen: 1.700 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

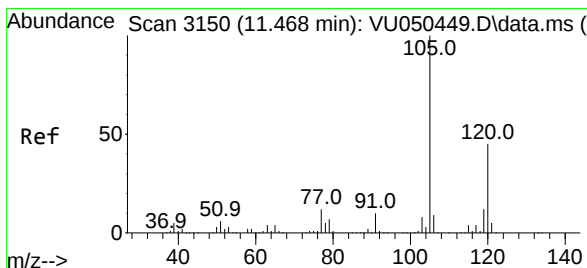
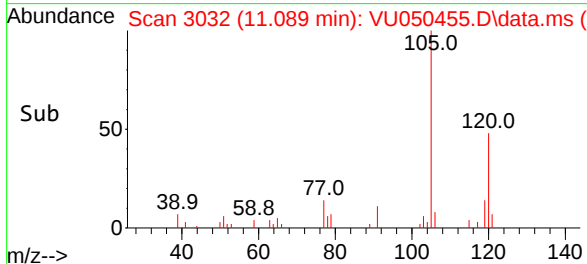
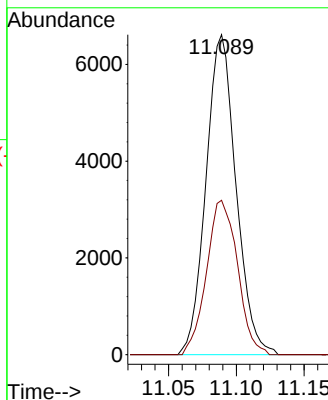


Tgt Ion:105 Resp: 1018
 Ion Ratio Lower Upper
 105 100
 120 49.8 38.1 57.1

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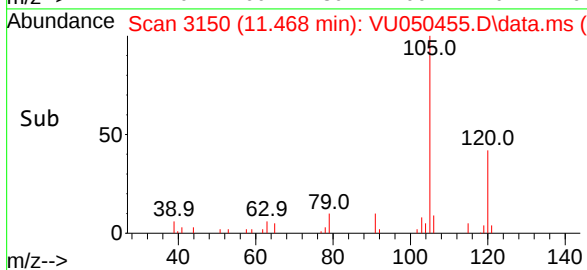
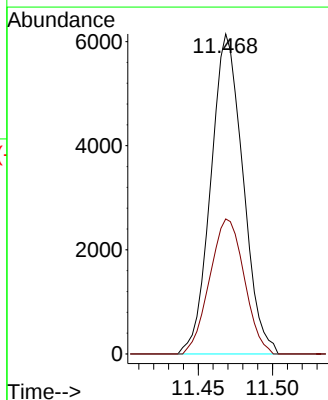
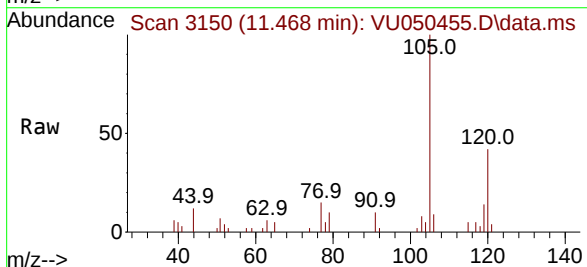
Reviewed By :Krupa
 Patel
 08/27/2022

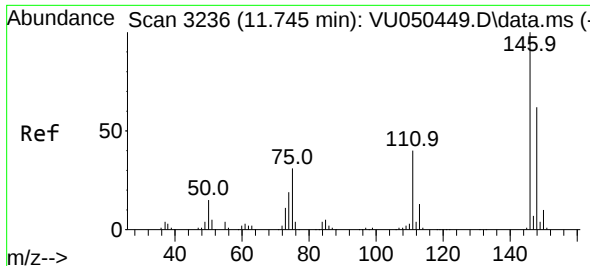
Supervised By :Semsetun
 Yesilyurt
 08/27/2022



#63
 1,2,4-Trimethylbenzene
 Concen: 1.583 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU050455.D
 Acq: 26 Aug 2022 14:26

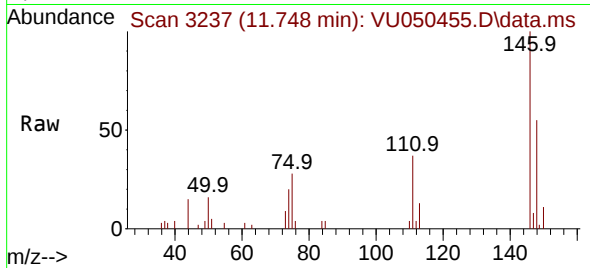
Tgt Ion:105 Resp: 9253
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.3 52.9





#64
1,3-Dichlorobenzene
Concen: 2.158 ug/L
RT: 11.748 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

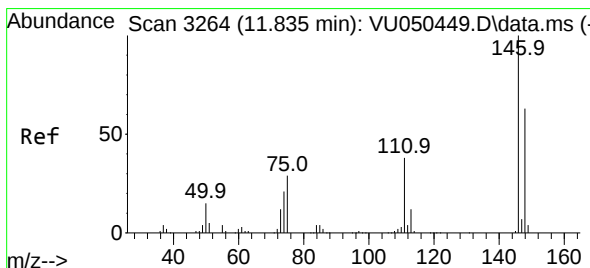
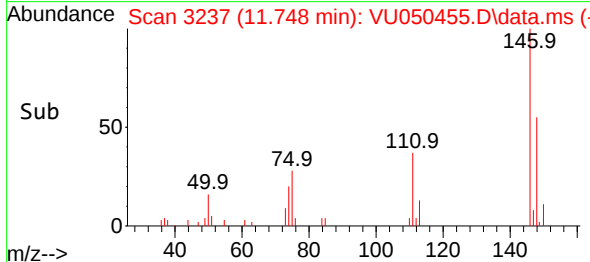
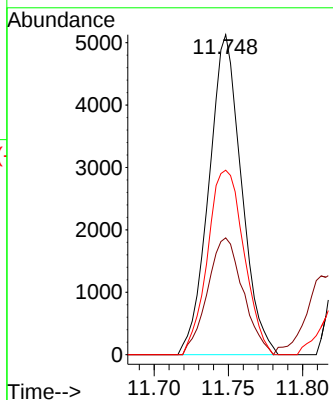


Tgt Ion:146 Resp: 7829
Ion Ratio Lower Upper
146 100
111 36.5 28.1 52.1
148 57.6 44.2 82.0

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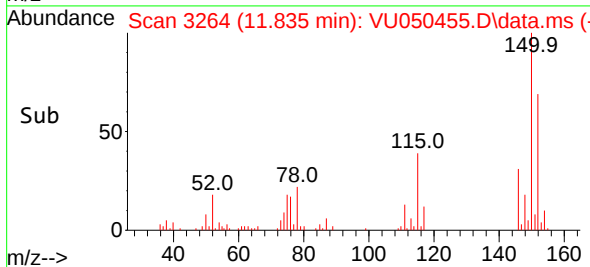
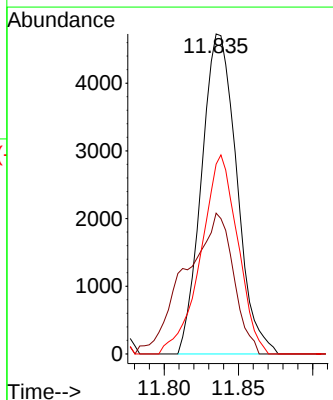
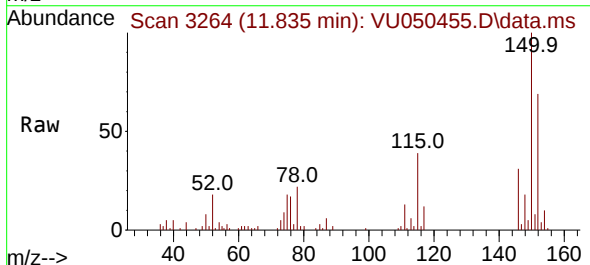
Reviewed By :Krupa
Patel
08/27/2022

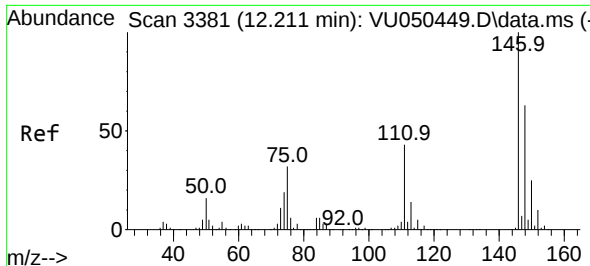
Supervised By :Semsetun
Yesilyurt
08/27/2022



#65
1,4-Dichlorobenzene
Concen: 2.130 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

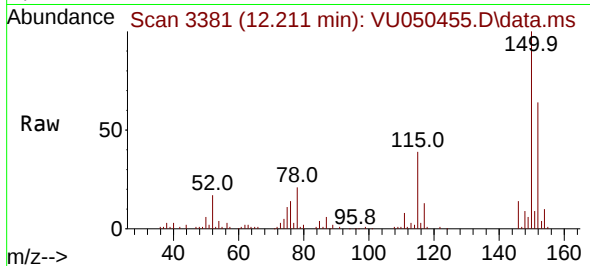
Tgt Ion:146 Resp: 7784
Ion Ratio Lower Upper
146 100
111 40.5 27.6 51.2
148 54.5 44.4 82.4





#67
1,2-Dichlorobenzene
Concen: 2.402 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

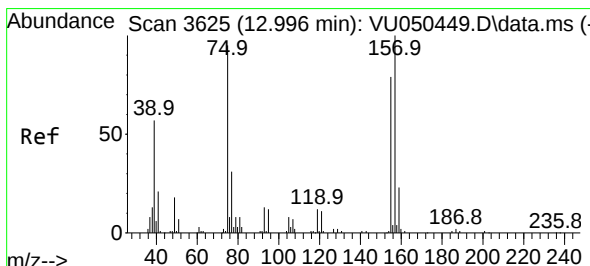
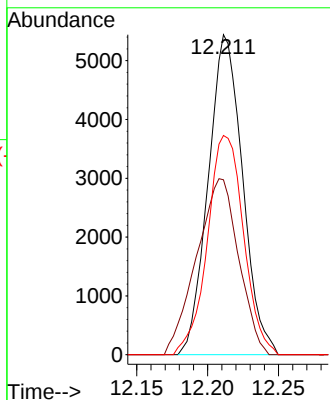
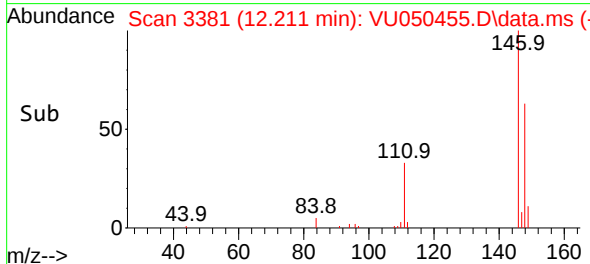


Tgt Ion:146 Resp: 916
Ion Ratio Lower Upper
146 100
111 60.6 34.1 51.1
148 68.5 51.0 76.6

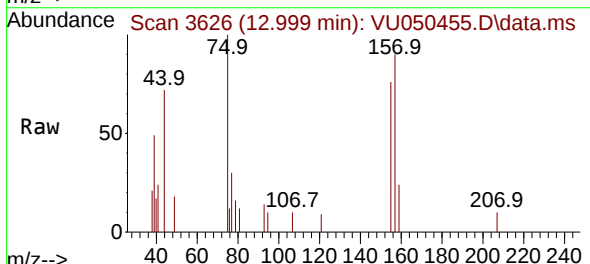
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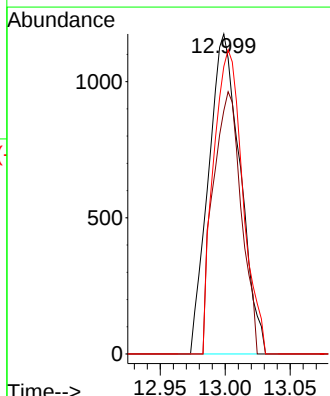
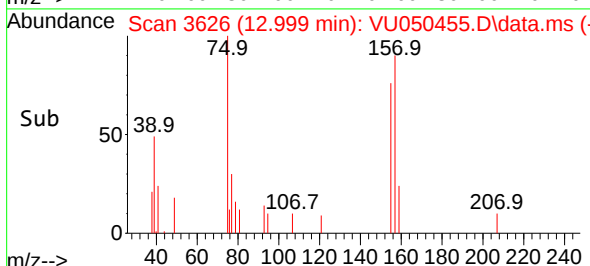
Supervised By :Semsetun
Yesilyurt
08/27/2022

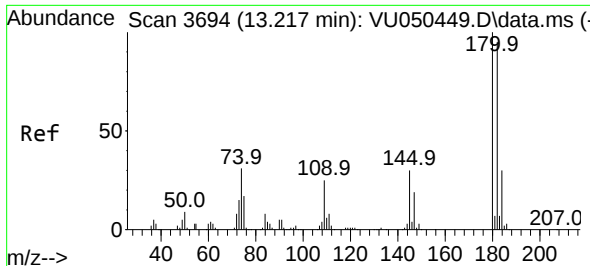


#68
1,2-Dibromo-3-chloropropane
Concen: 2.424 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26



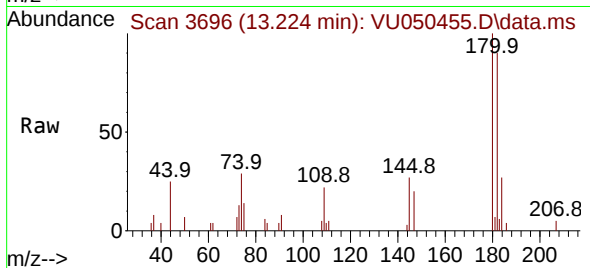
Tgt Ion: 75 Resp: 1992
Ion Ratio Lower Upper
75 100
155 67.8 63.1 94.7
157 80.0 84.2 126.2#





#69
1,3,5-Trichlorobenzene
Concen: 2.093 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. 0.007 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument : MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

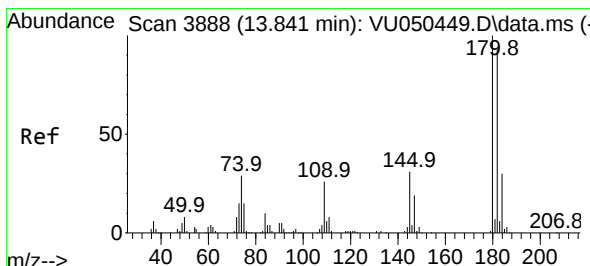
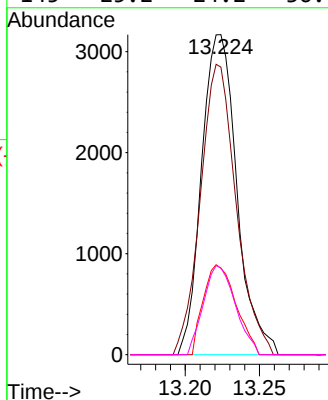
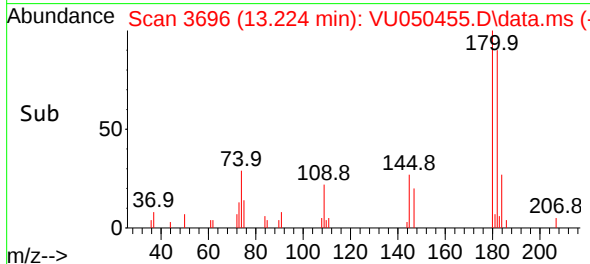


Tgt Ion:180 Resp: 523
Ion Ratio Lower Upper
180 100
182 91.7 77.0 115.6
184 26.0 24.1 36.1
145 25.2 24.2 36.4

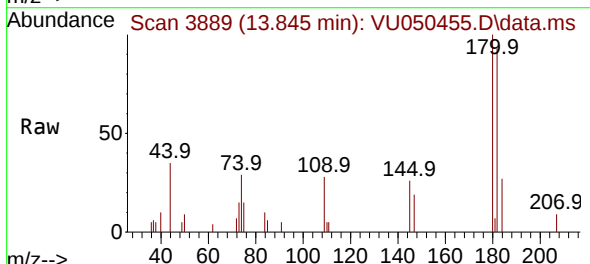
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Patel
08/27/2022

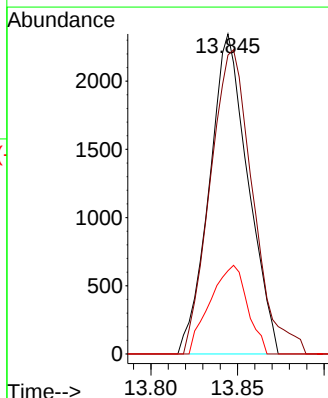
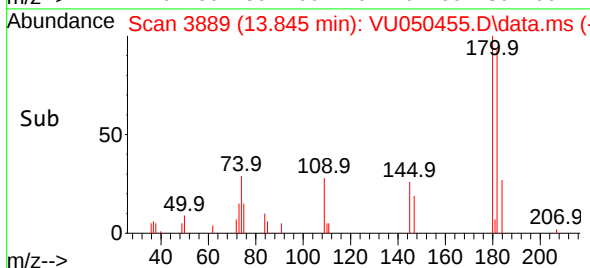
Supervised By :Semsetun
Yesilyurt
08/27/2022

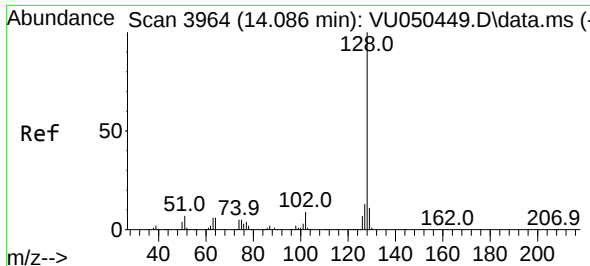


#70
1,2,4-trichlorobenzene
Concen: 1.817 ug/L
RT: 13.845 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26



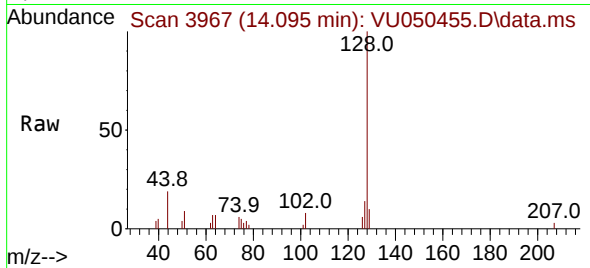
Tgt Ion:180 Resp: 3640
Ion Ratio Lower Upper
180 100
182 104.8 75.4 113.2
145 26.8 23.9 35.9





#71
Naphthalene
Concen: 1.715 ug/L
RT: 14.095 min Scan# 3964
Delta R.T. 0.009 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

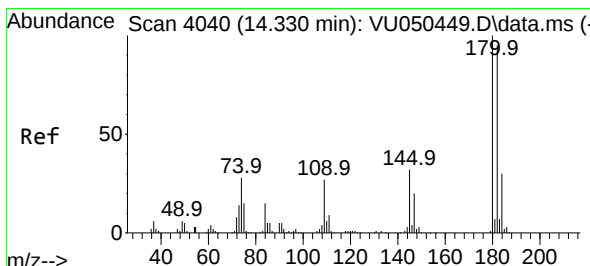
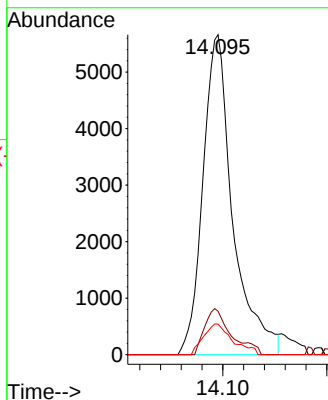
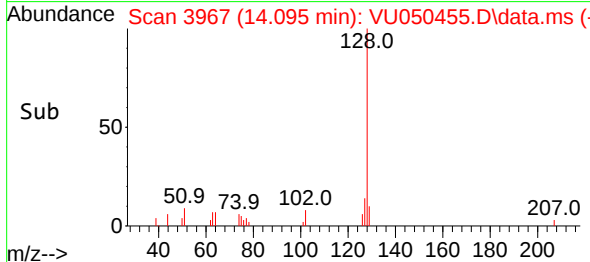


Tgt Ion:128 Resp: 1127
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 8.2 8.8 13.2

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Reviewed By :Krupa
Patel
08/27/2022

Supervised By :Semsetun
Yesilyurt
08/27/2022



#72
1,2,3-Trichlorobenzene
Concen: 1.849 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU050455.D
Acq: 26 Aug 2022 14:26

Tgt Ion:180 Resp: 4047
Ion Ratio Lower Upper
180 100
182 91.7 76.8 115.2
145 31.7 26.5 39.7

