

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
 Data File : VD078361.D
 Acq On : 07 Feb 2024 14:48
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Feb 08 00:40:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 08 00:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

02/08/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	190837	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	184390	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75345	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.270	65	150135	27.729	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.920%	
7) Chloroethane-d5	2.799	69	124420	27.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.360%	
11) 1,1-Dichloroethene-d2	3.917	65	29754	25.452	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.800%	
21) 2-Butanone-d5	6.993	46	31422	39.417	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 78.840%	
24) Chloroform-d	7.569	84	131935	24.248	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 97.000%	
26) 1,2-Dichloroethane-d4	8.234	65	70029	23.849	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 95.400%	
32) Benzene-d6	8.199	84	285802	26.508	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 106.040%	
36) 1,2-Dichloropropane-d6	9.210	67	86219	25.975	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 103.920%	
41) Toluene-d8	10.269	98	253912	26.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 104.880%	
43) trans-1,3-Dichloroprop...	10.522	79	35286	23.808	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 95.240%	
47) 2-Hexanone-d5	10.875	63	26968	40.045	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 80.080%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	66909	21.693	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 86.760%	
66) 1,2-Dichlorobenzene-d4	13.816	152	70461	26.122	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 104.480%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	2362	0.628	ug/L #	88
3) Chloromethane	2.152	50	4473	0.817	ug/L	84
5) Vinyl chloride	2.281	62	4877	0.721	ug/L #	34
6) Bromomethane	2.693	94	1860m	0.606	ug/L	
8) Chloroethane	2.846	64	3066m	0.712	ug/L	
9) Trichlorofluoromethane	3.175	101	3203	0.666	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	2807m	0.938	ug/L	
12) 1,1-Dichloroethene	3.928	96	2179m	0.787	ug/L	
14) Carbon disulfide	4.269	76	6566m	0.643	ug/L	
16) Methylene chloride	4.811	84	8388m	2.241	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	1837m	0.602	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3523m	0.496	ug/L	
19) 1,1-Dichloroethane	6.122	63	3344m	0.626	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	1987m	0.594	ug/L	
22) 2-Butanone	7.081	43	1240m	0.978	ug/L	
23) Bromochloromethane	7.434	128	749	0.507	ug/L #	33
25) Chloroform	7.593	83	11182	1.919	ug/L	83
27) 1,2-Dichloroethane	8.316	62	2514m	0.672	ug/L	
29) Cyclohexane	7.869	56	2174m	0.522	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.793	97	2903m	0.642	ug/L	
31) Carbon tetrachloride	7.999	117	2347m	0.589	ug/L	
33) Benzene	8.252	78	8166	0.657	ug/L	100
34) Trichloroethene	9.022	95	1814m	0.578	ug/L	
35) Methylcyclohexane	9.275	83	2681m	0.546	ug/L	
37) 1,2-Dichloropropane	9.304	63	2171	0.663	ug/L #	87
38) Bromodichloromethane	9.581	83	3071	0.719	ug/L #	60
39) cis-1,3-Dichloropropene	10.016	75	3051	0.599	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	1702m	0.837	ug/L	
42) Toluene	10.328	91	8479	0.656	ug/L	91
44) trans-1,3-Dichloropropene	10.551	75	2430m	0.545	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1631	0.625	ug/L	88
46) Tetrachloroethene	10.804	164	1502m	0.697	ug/L	
48) 2-Hexanone	10.922	43	1617	0.975	ug/L #	74
49) Dibromochloromethane	11.075	129	1773m	0.605	ug/L	
50) 1,2-Dibromoethane	11.181	107	1352	0.531	ug/L #	81
51) Chlorobenzene	11.598	112	5473	0.654	ug/L	94
52) Ethylbenzene	11.681	91	8110	0.584	ug/L	92
53) m,p-Xylene	11.787	106	2844	0.533	ug/L	63
54) o-Xylene	12.122	106	2323	0.451	ug/L	87
55) Styrene	12.128	104	3751	0.404	ug/L	80
57) 1,1,2,2-Tetrachloroethane	12.669	83	2165	0.647	ug/L #	85
59) Bromoform	12.298	173	861	0.570	ug/L #	86
60) Isopropylbenzene	12.422	105	6820	0.599	ug/L	97
61) 1,2,3-Trichloropropane	12.716	75	1275	0.663	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.904	105	4769	0.536	ug/L	89
63) 1,2,4-Trimethylbenzene	13.210	105	4842	0.549	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	3309	0.651	ug/L #	90
65) 1,4-Dichlorobenzene	13.534	146	3796	0.714	ug/L	93
67) 1,2-Dichlorobenzene	13.822	146	3568	0.742	ug/L #	72
68) 1,2-Dibromo-3-chloropr...	14.440	75	277m	0.651	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	1946	0.622	ug/L	93
70) 1,2,4-trichlorobenzene	15.092	180	2052	0.758	ug/L #	84
71) Naphthalene	15.328	128	3259	0.515	ug/L #	85
72) 1,2,3-Trichlorobenzene	15.516	180	1508	0.597	ug/L #	87

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

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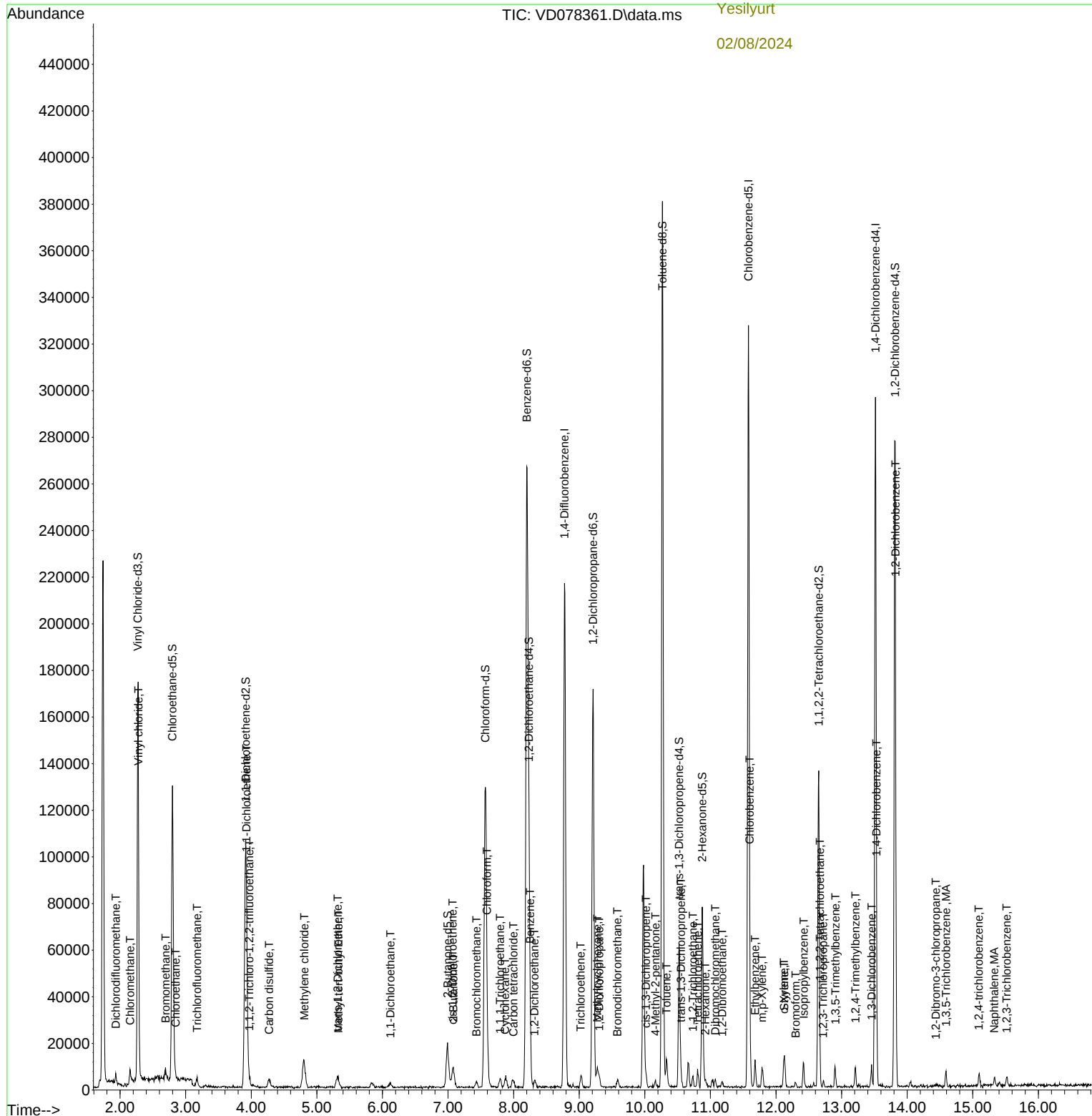
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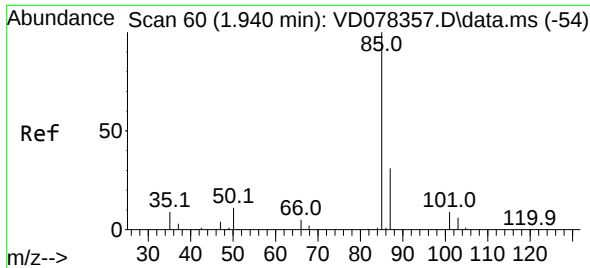
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024
Supervised By :Semsettin
Yesilyurt

02/08/2024





#2
Dichlorodifluoromethane
Concen: 0.628 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08

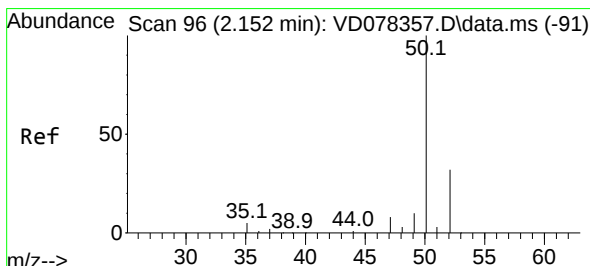
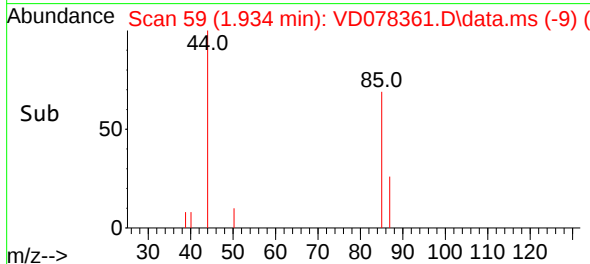
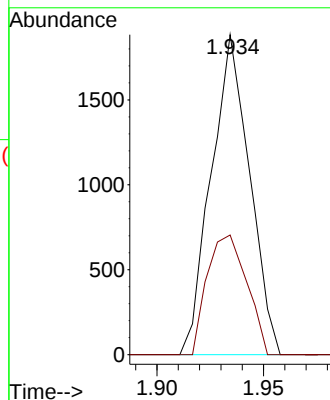
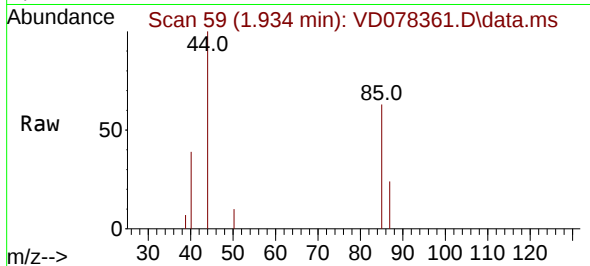
Tgt Ion: 85 Resp: 2362
Ion Ratio Lower Upper
85 100
87 38.5 25.3 37.9

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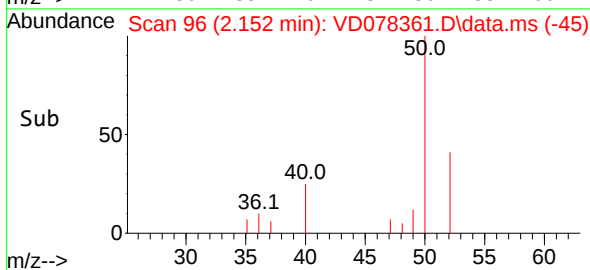
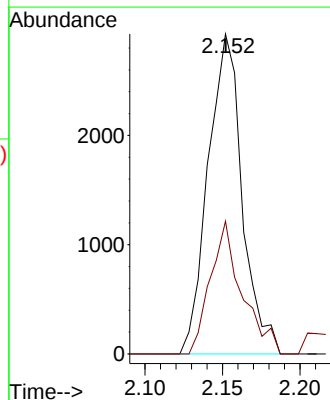
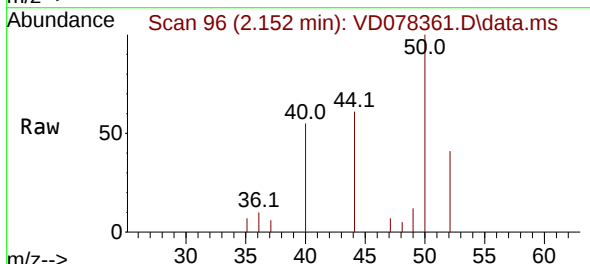
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Supervised By :Semsettin
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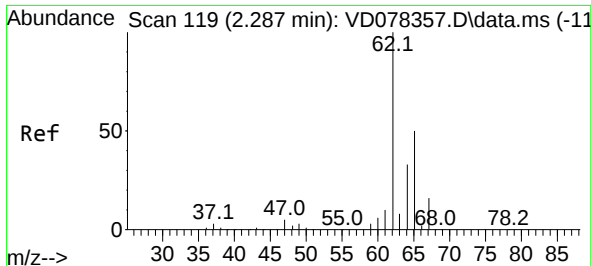
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#3
Chloromethane
Concen: 0.817 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

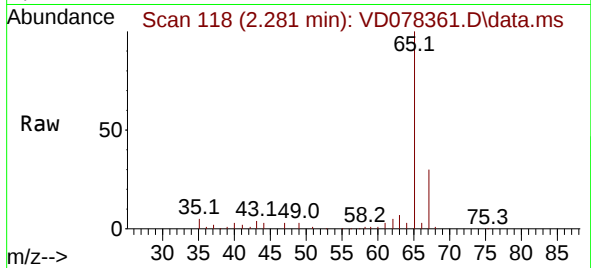
Tgt Ion: 50 Resp: 4473
Ion Ratio Lower Upper
50 100
52 41.5 22.7 42.3





#5
 Vinyl chloride
 Concen: 0.721 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Instrument :
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 ClientSampleId :
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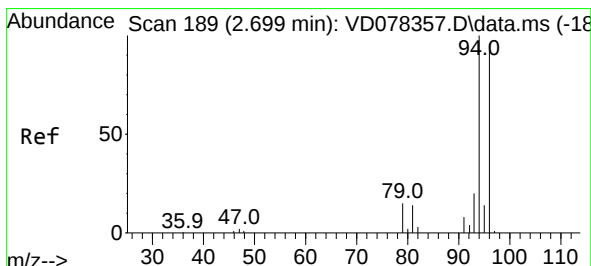
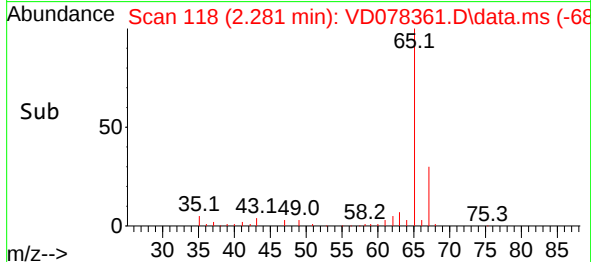
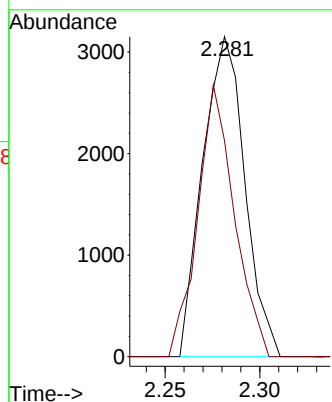
Tgt Ion: 62 Resp: 487
 Ion Ratio Lower Upper
 62 100
 64 67.5 21.7 40.3

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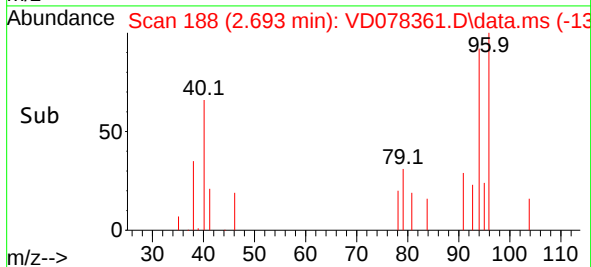
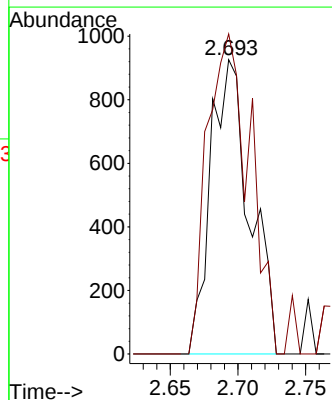
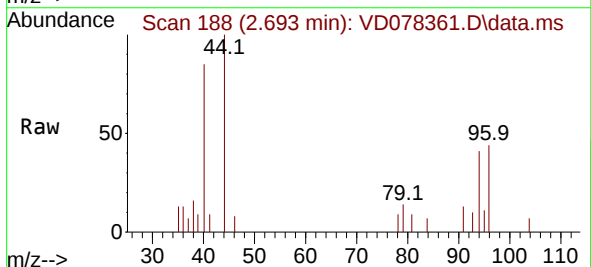
02/08/2024
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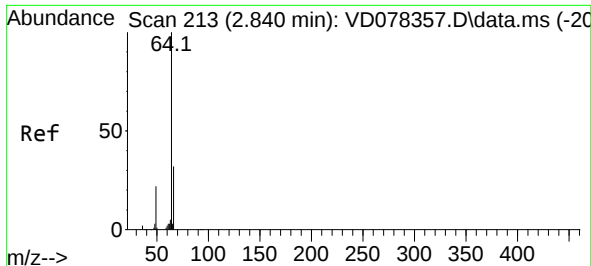
02/08/2024



#6
 Bromomethane
 Concen: 0.606 ug/L m
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

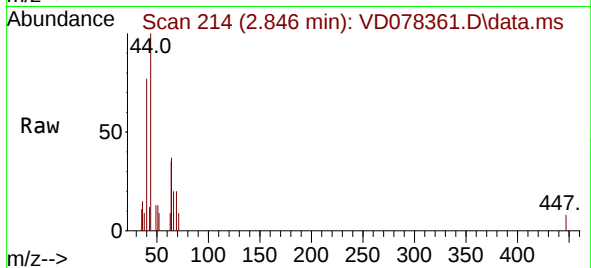
Tgt Ion: 94 Resp: 1860
 Ion Ratio Lower Upper
 94 100
 96 108.7 64.8 120.4





#8
Chloroethane
Concen: 0.712 ug/L m
RT: 2.846 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



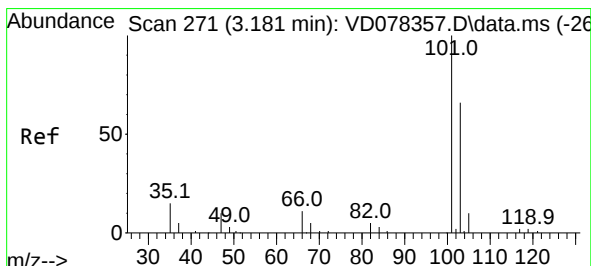
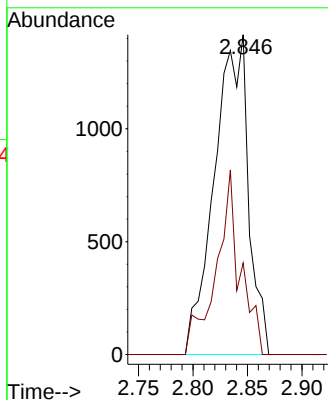
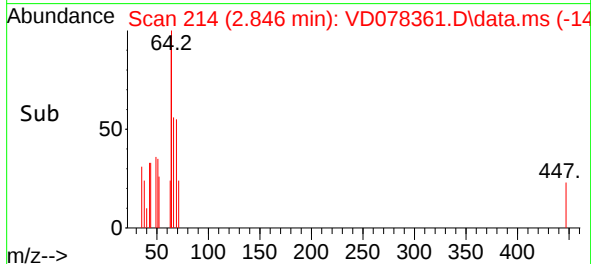
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 56.1 22.8 42.4

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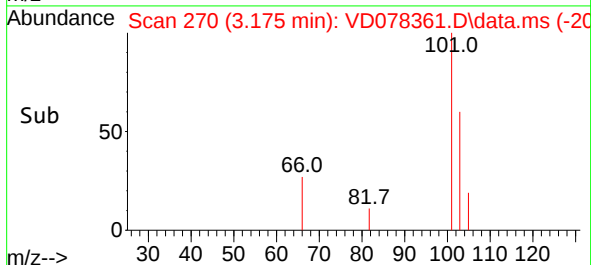
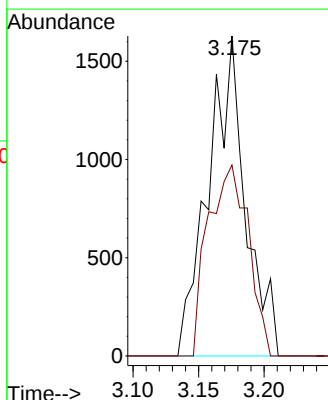
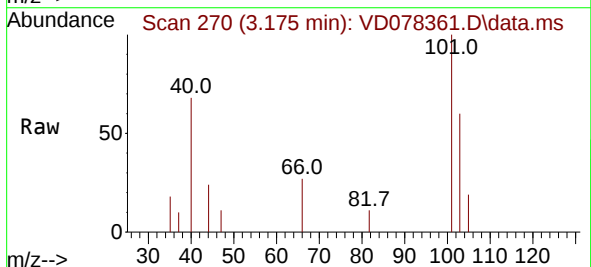
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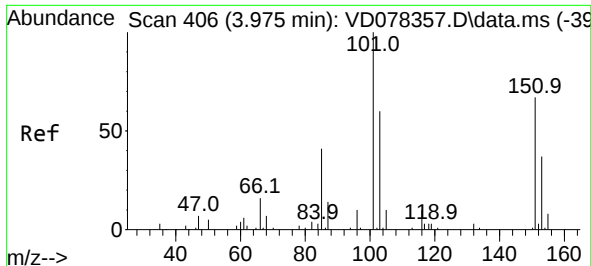
02/08/2024



#9
Trichlorofluoromethane
Concen: 0.666 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

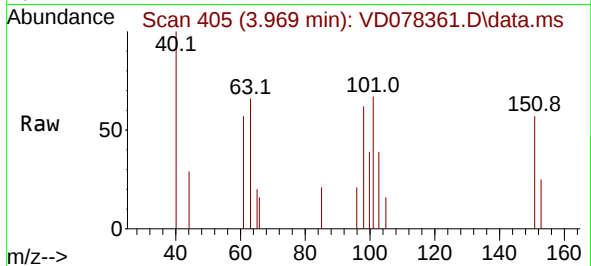
Tgt Ion:101 Resp: 3203
Ion Ratio Lower Upper
101 100
103 64.9 51.1 76.7





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.938 ug/L m
RT: 3.969 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

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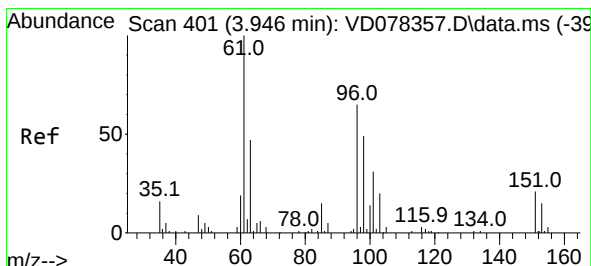
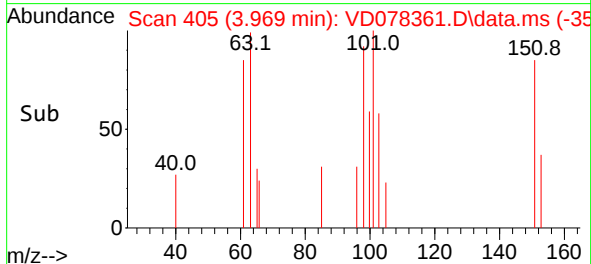
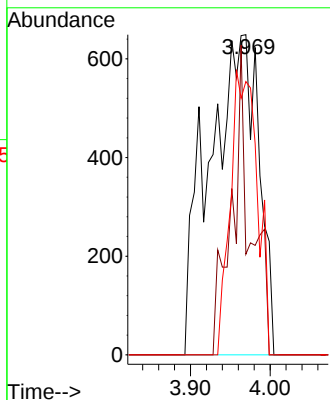
Tgt Ion: 101 Resp: 280
Ion Ratio Lower Upper
101 100
85 10.5 34.6 51.8
151 22.7 54.6 81.8

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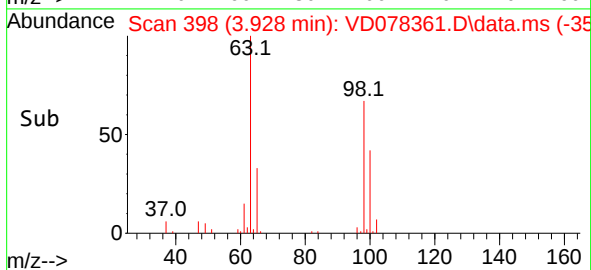
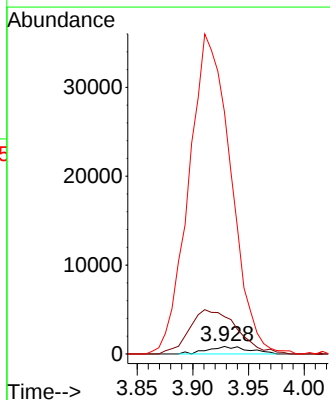
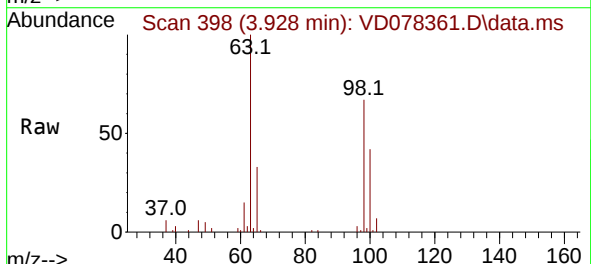
02/08/2024
Supervised By :Semsettin
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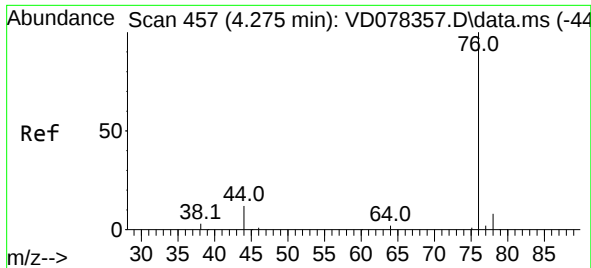
02/08/2024



#12
1,1-Dichloroethene
Concen: 0.787 ug/L m
RT: 3.928 min Scan# 398
Delta R.T. -0.017 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

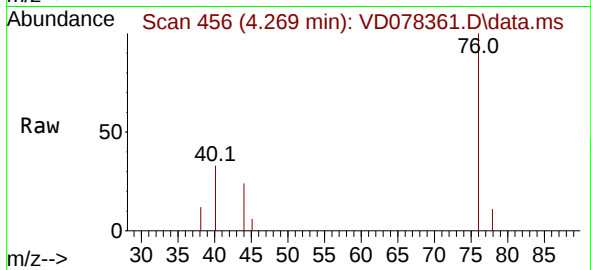
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Ion Ratio Lower Upper
96 100
61 493.1 108.8 202.2#
63 3196.2 65.2 121.0#





#14
Carbon disulfide
Concen: 0.643 ug/L m
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
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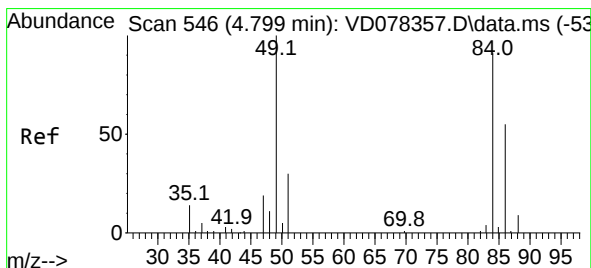
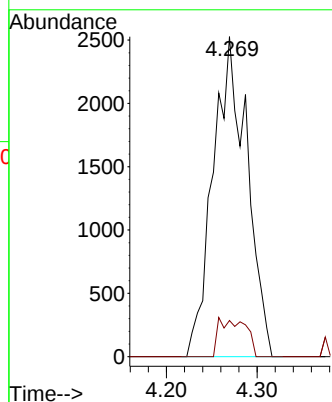
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Ion Ratio Lower Upper
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78 11.3 7.8 11.8

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Dadoda

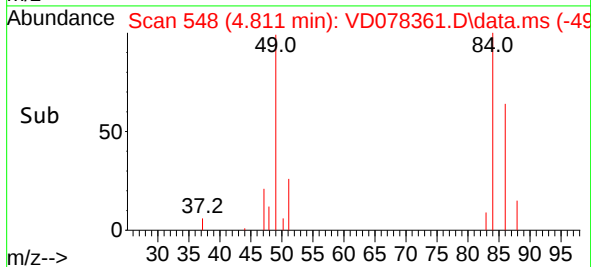
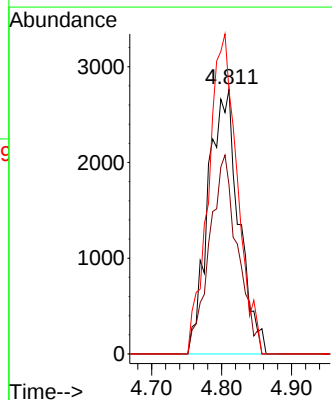
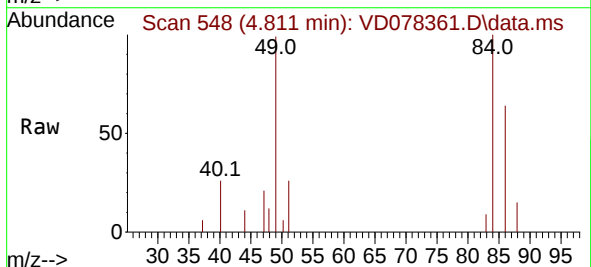
02/08/2024
Supervised By :Semsettin
Yesilyurt

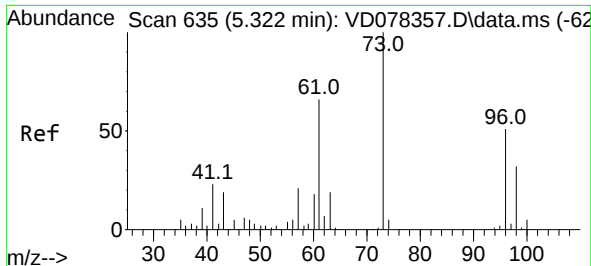
02/08/2024



#16
Methylene chloride
Concen: 2.241 ug/L m
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

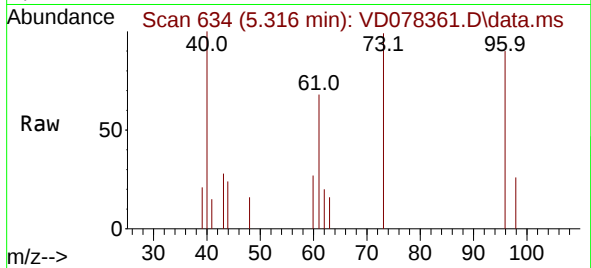
Tgt Ion: 84 Resp: 8388
Ion Ratio Lower Upper
84 100
86 63.8 45.4 84.2
49 99.5 77.3 143.7





#17
trans-1,2-Dichloroethene
Concen: 0.602 ug/L m
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



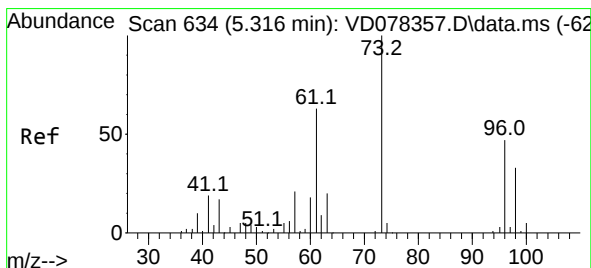
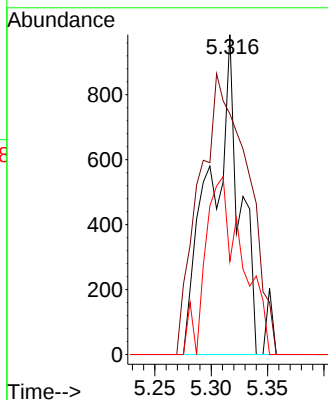
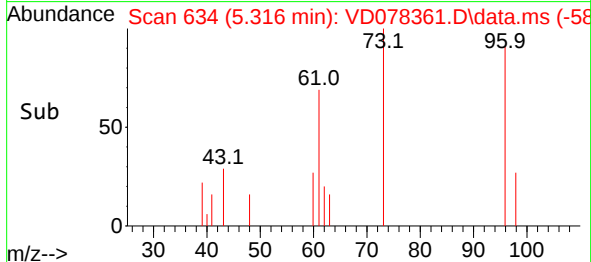
Tgt Ion: 96 Resp: 183
Ion Ratio Lower Upper
96 100
61 75.2 82.7 153.7
98 29.1 40.7 75.7

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Reviewed By :Mahesh
Dadoda

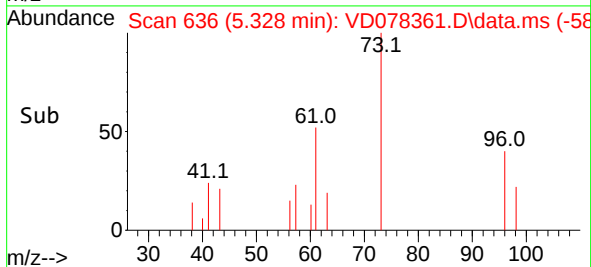
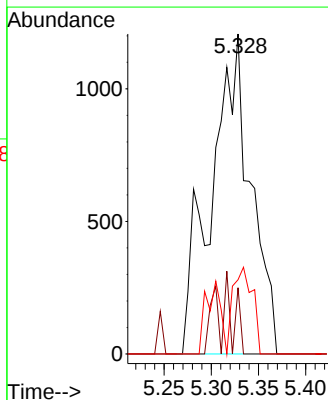
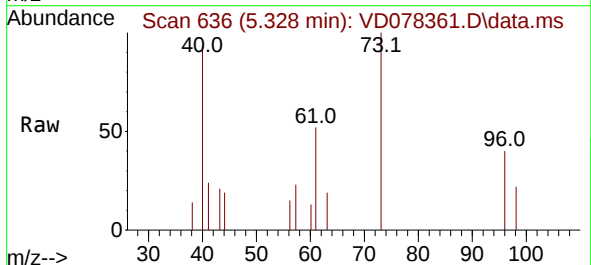
02/08/2024
Supervised By :Semsettin
Yesilyurt

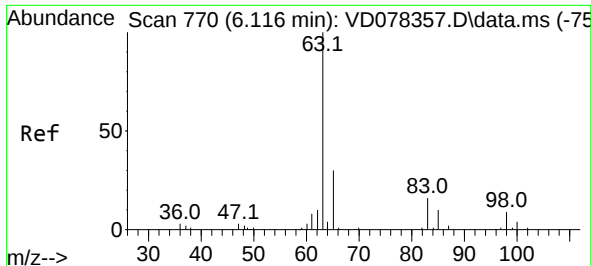
02/08/2024



#18
Methyl tert-butyl Ether
Concen: 0.496 ug/L m
RT: 5.328 min Scan# 636
Delta R.T. 0.012 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 73 Resp: 3523
Ion Ratio Lower Upper
73 100
43 3.1 13.3 19.9#
57 0.0 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 0.626 ug/L m

RT: 6.122 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD078361.D

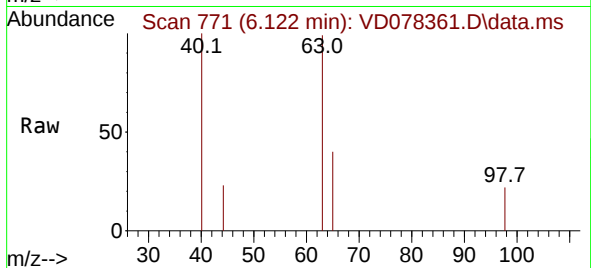
Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:	63	Resp:	334
Ion	Ratio	Lower	Upper
63	100		
65	40.9	21.8	40.4
83	0.0	10.1	18.9

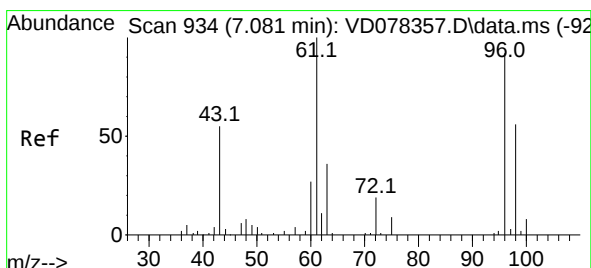
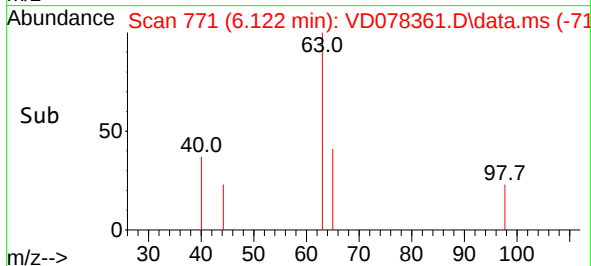
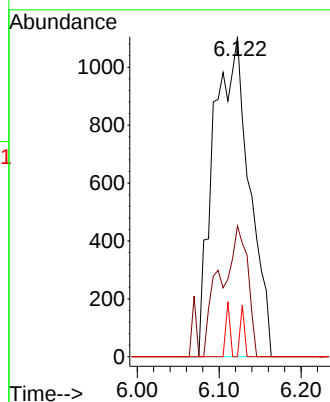
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024

Supervised By :Semsettin
Yesilyurt

02/08/2024



#20

cis-1,2-Dichloroethene

Concen: 0.594 ug/L m

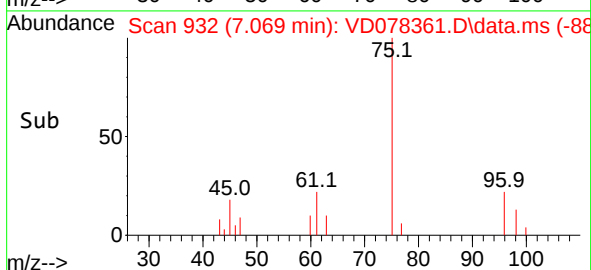
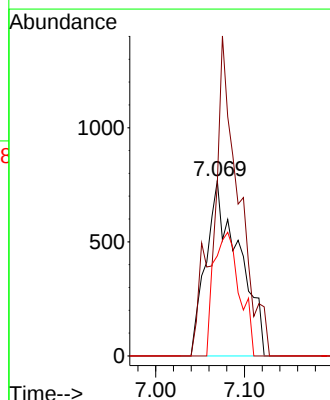
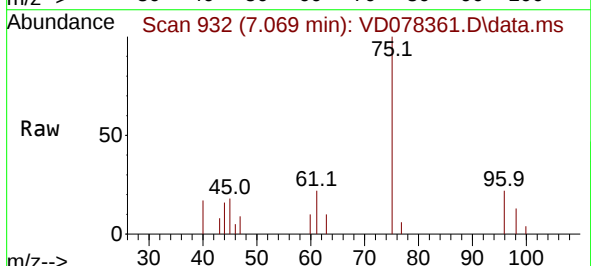
RT: 7.069 min Scan# 932

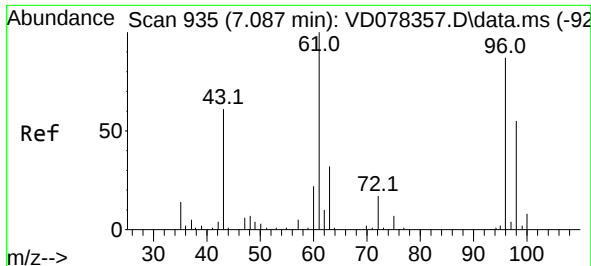
Delta R.T. -0.012 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

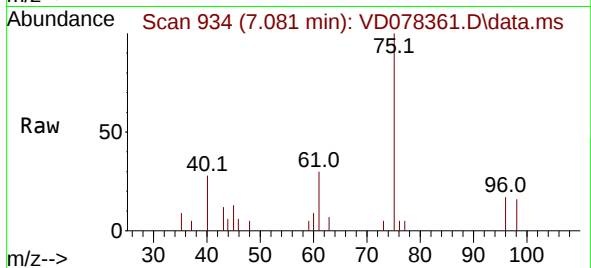
Tgt Ion:	96	Resp:	1987
Ion	Ratio	Lower	Upper
96	100		
61	98.4	75.6	140.4
98	57.2	43.1	80.1





#22
2-Butanone
Concen: 0.978 ug/L m
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



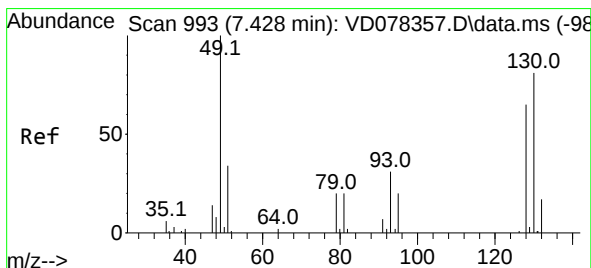
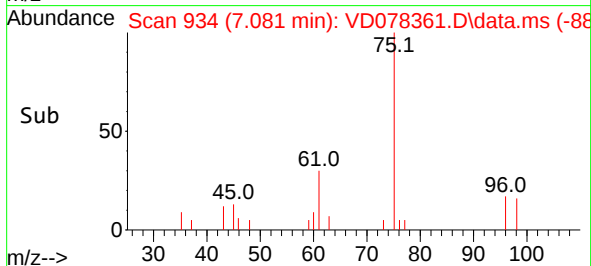
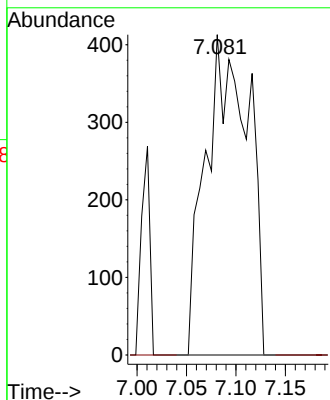
Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
72 0.0 15.4 46.2

Manual Integrations
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Reviewed By :Mahesh
Dadoda

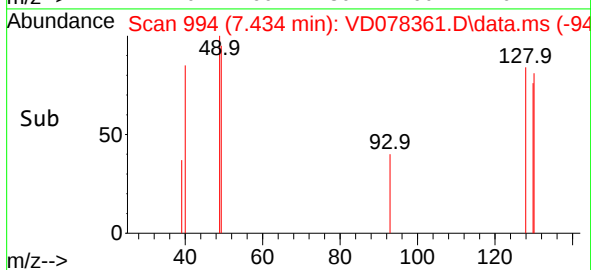
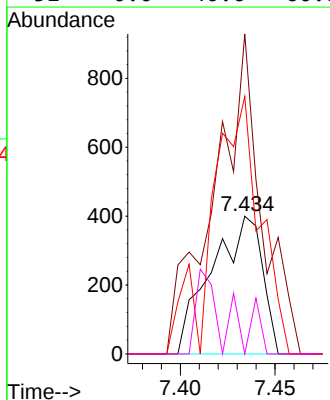
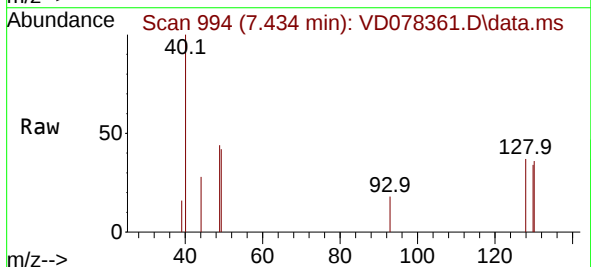
02/08/2024
Supervised By :Semsettin
Yesilyurt

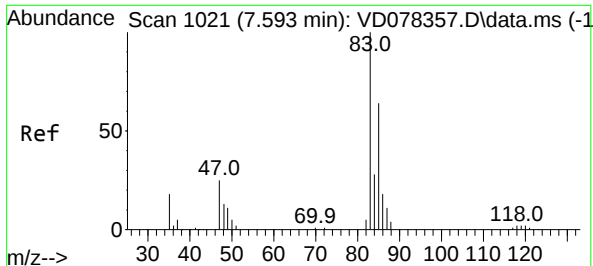
02/08/2024



#23
Bromochloromethane
Concen: 0.507 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:128 Resp: 749
Ion Ratio Lower Upper
128 100
49 232.3 102.7 190.7#
130 187.0 82.6 153.4#
51 0.0 40.6 60.8#





#25

Chloroform

Concen: 1.919 ug/L

RT: 7.593 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 83 Resp: 1118

Ion Ratio Lower Upper

83 100

85 77.7 44.9 83.3

Manual Integrations

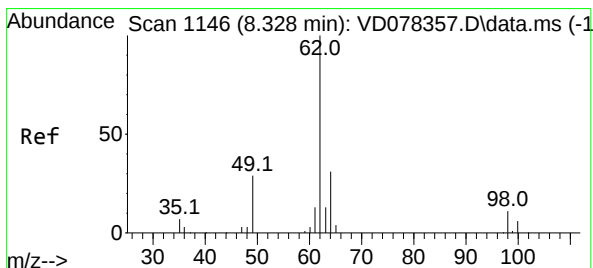
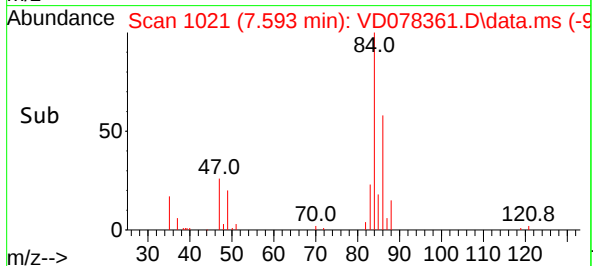
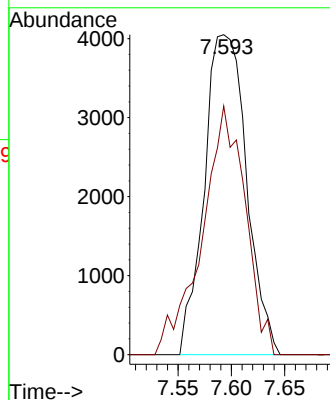
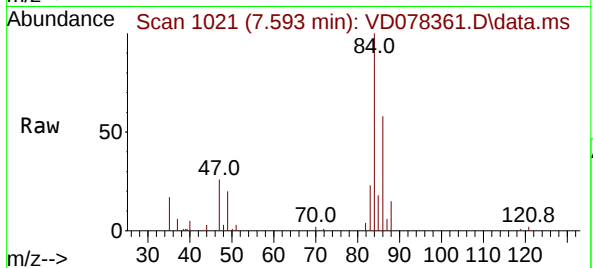
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024

Supervised By :Semsettin
Yesilyurt

02/08/2024



#27

1,2-Dichloroethane

Concen: 0.672 ug/L m

RT: 8.316 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VD078361.D

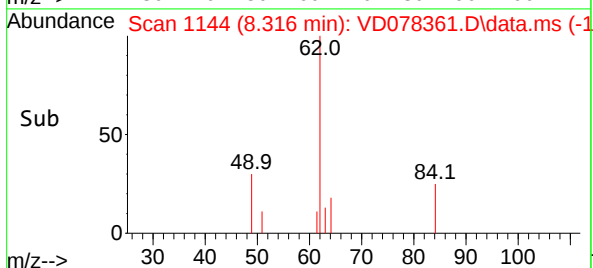
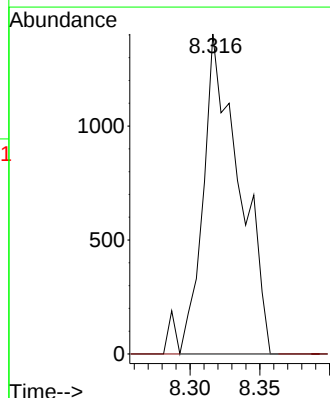
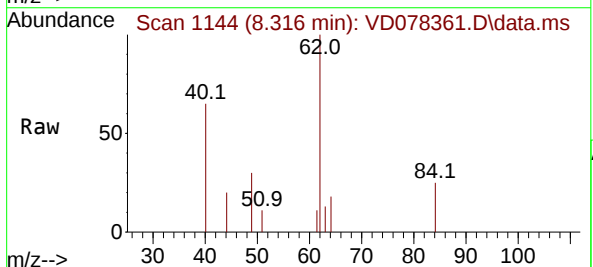
Acq: 07 Feb 2024 14:48

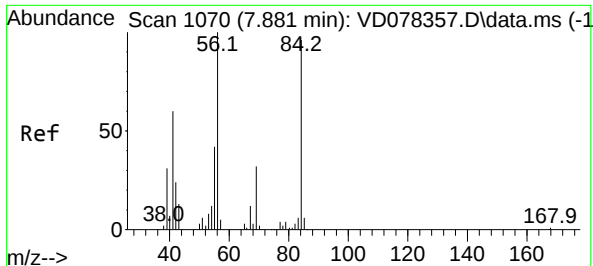
Tgt Ion: 62 Resp: 2514

Ion Ratio Lower Upper

62 100

98 0.0 9.5 14.3#





#29

Cyclohexane

Concen: 0.522 ug/L m

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD078361.D

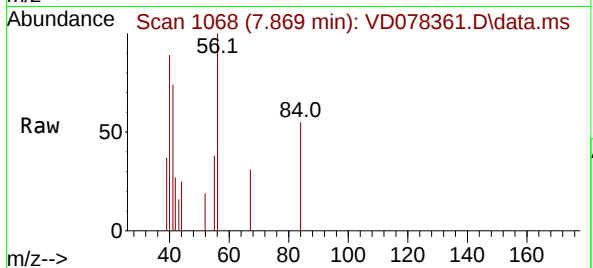
Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



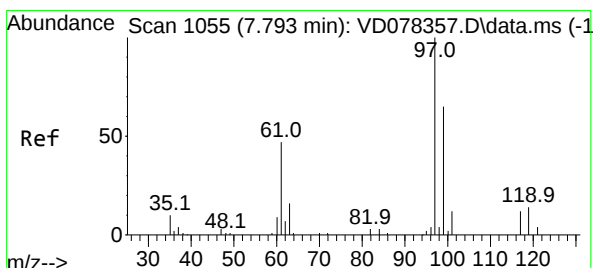
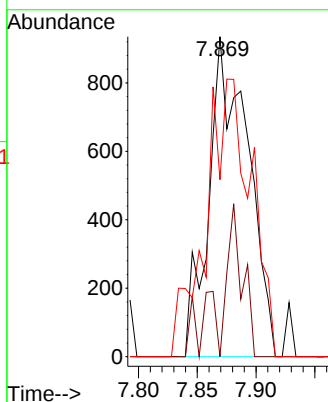
Tgt Ion:	56	Resp:	2174
Ion Ratio	Lower	Upper	
56	100		
69	2.9	23.3	34.9
84	8.8	74.7	112.1

Manual Integrations
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Reviewed By :Mahesh
Dadoda

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Supervised By :Semsettin
Yesilyurt

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#30

1,1,1-Trichloroethane

Concen: 0.642 ug/L m

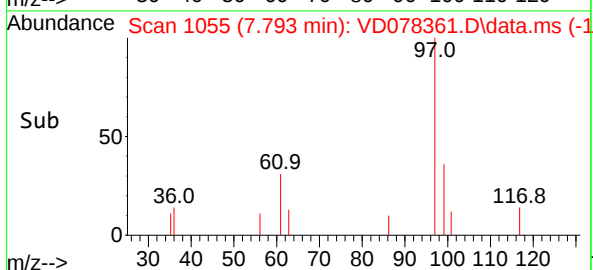
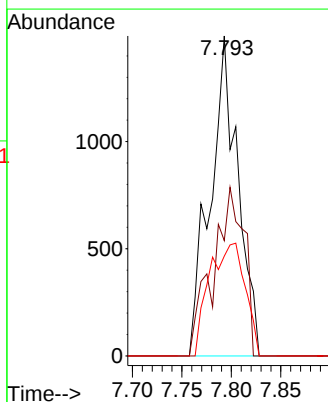
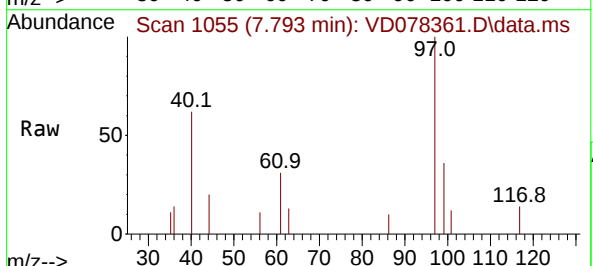
RT: 7.793 min Scan# 1055

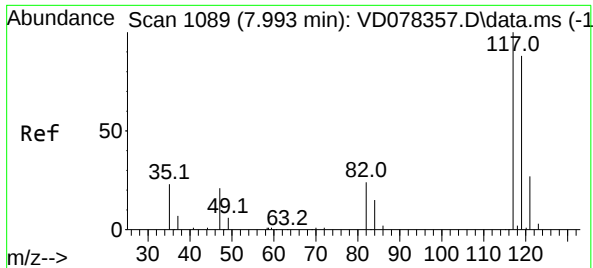
Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

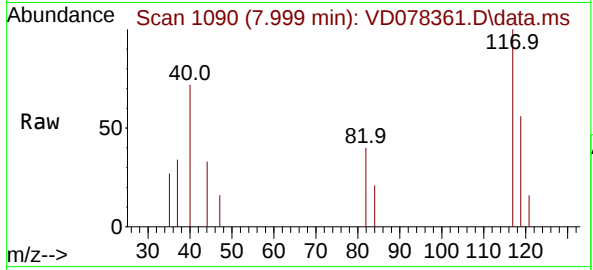
Tgt Ion:	97	Resp:	2903
Ion Ratio	Lower	Upper	
97	100		
99	24.6	50.7	76.1
61	28.5	34.4	51.6





#31
Carbon tetrachloride
Concen: 0.589 ug/L m
RT: 7.999 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



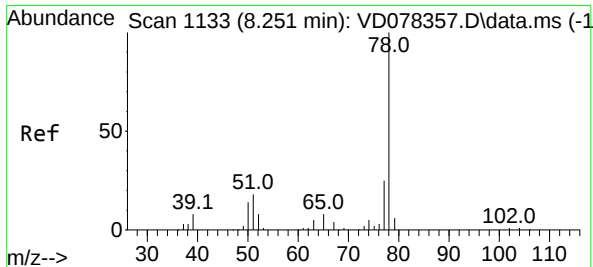
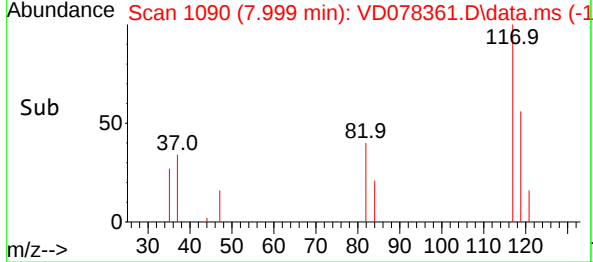
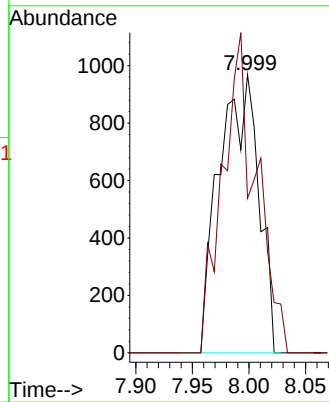
Tgt Ion:117 Resp: 234
Ion Ratio Lower Upper
117 100
119 68.6 77.0 115.4

Manual Integrations
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Reviewed By :Mahesh
Dadoda

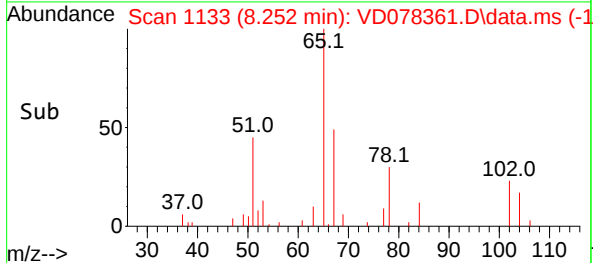
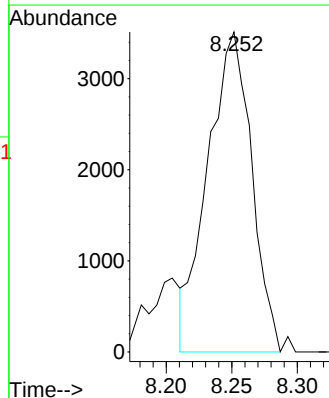
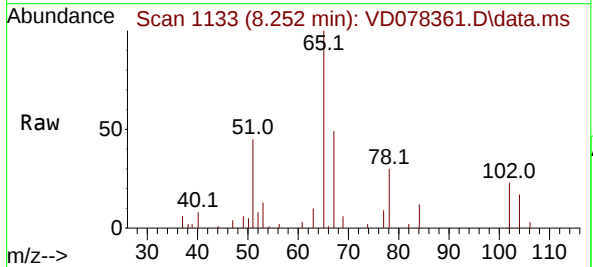
02/08/2024
Supervised By :Semsettin
Yesilyurt

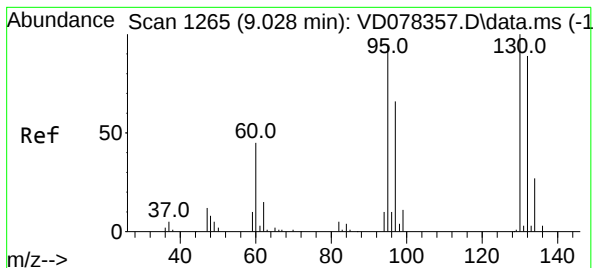
02/08/2024



#33
Benzene
Concen: 0.657 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 78 Resp: 8166





#34

Trichloroethene

Concen: 0.578 ug/L m

RT: 9.022 min Scan# 1264

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 95 Resp: 1814

Ion Ratio Lower Upper

95 100

97 77.4 46.9 87.1

132 56.5 73.7 136.9

130 83.6 72.1 133.9

Manual Integrations

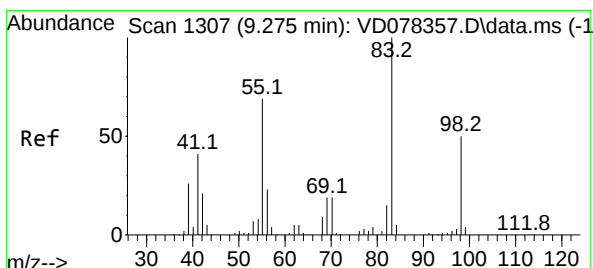
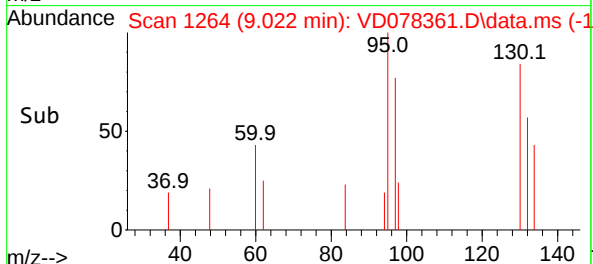
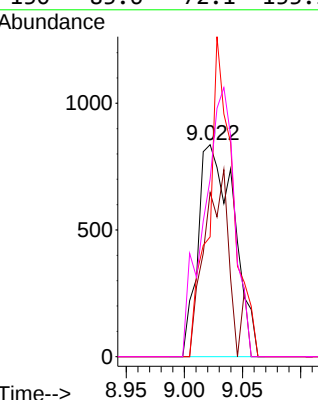
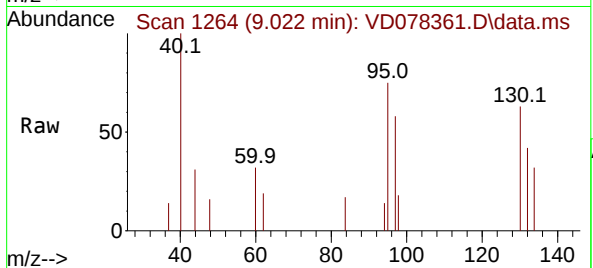
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024

Supervised By :Semsettin
Yesilyurt

02/08/2024



#35

Methylcyclohexane

Concen: 0.546 ug/L m

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

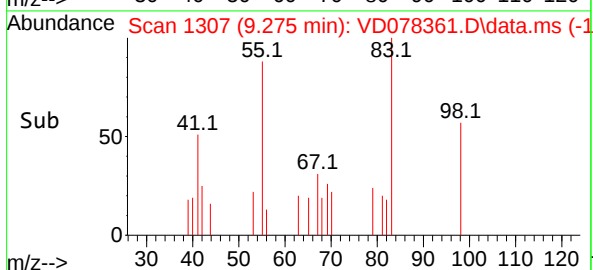
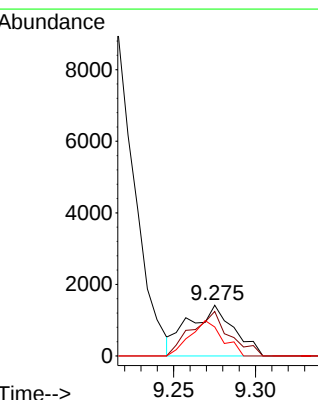
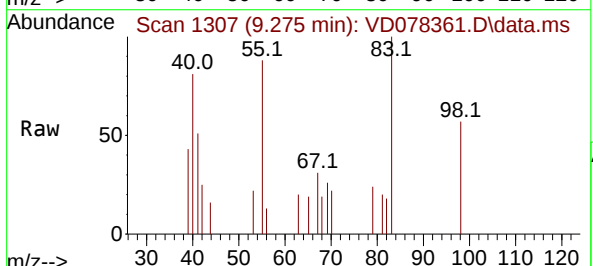
Tgt Ion: 83 Resp: 2681

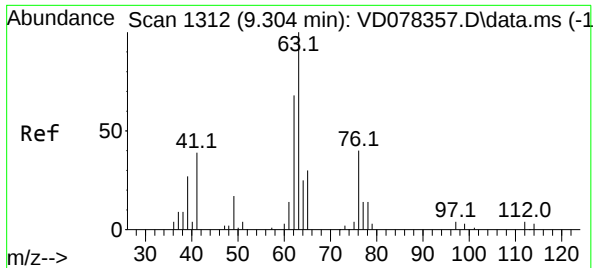
Ion Ratio Lower Upper

83 100

55 74.3 56.2 84.4

98 51.0 41.2 61.8





#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

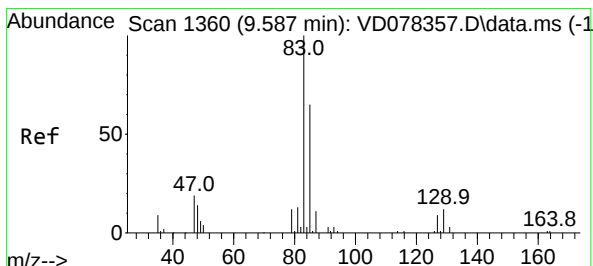
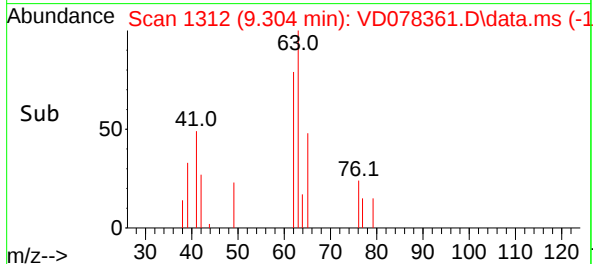
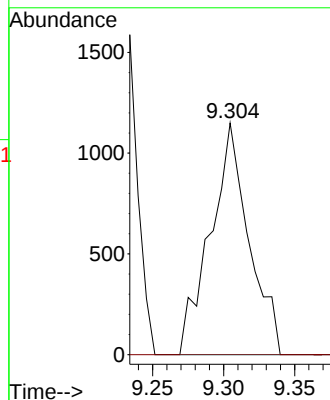
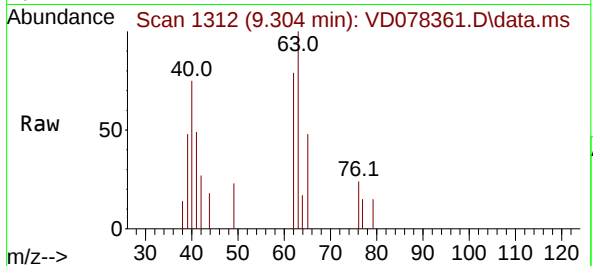
Tgt Ion: 63 Resp: 217
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2

Manual Integrations
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Reviewed By :Mahesh
Dadoda

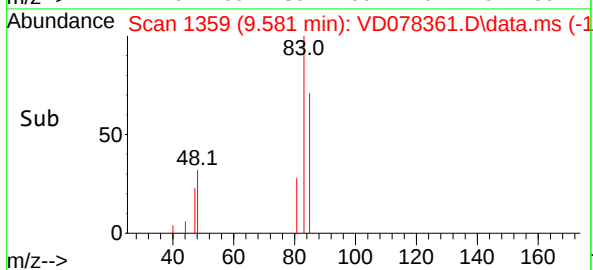
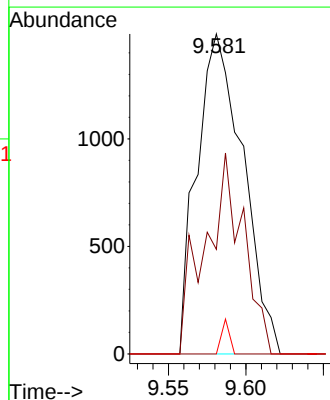
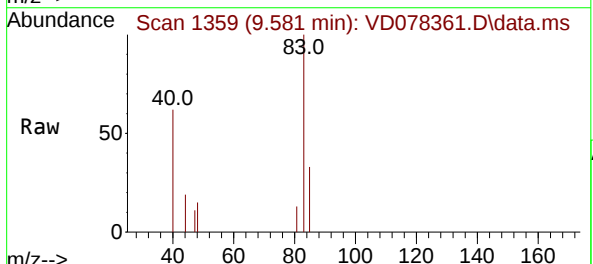
02/08/2024
Supervised By :Semsettin
Yesilyurt

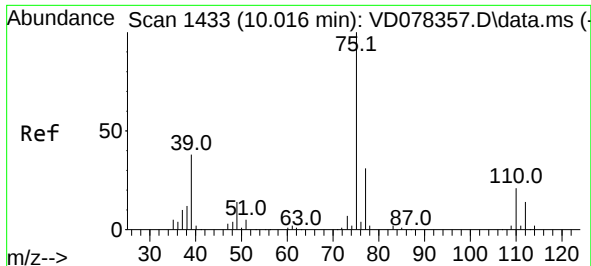
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#38
Bromodichloromethane
Concen: 0.719 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 83 Resp: 3071
Ion Ratio Lower Upper
83 100
85 32.7 46.6 86.6#
127 0.0 8.1 12.1#





#39

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 305
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.3 41.5

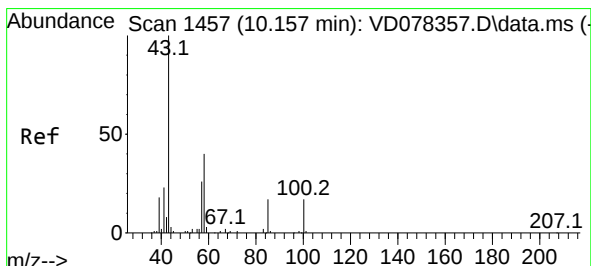
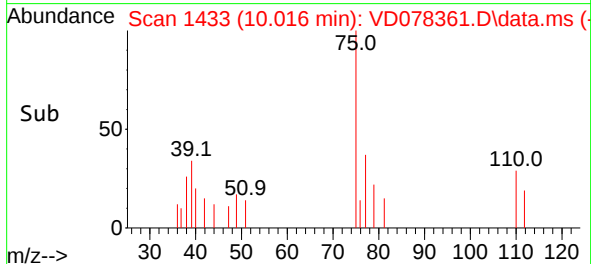
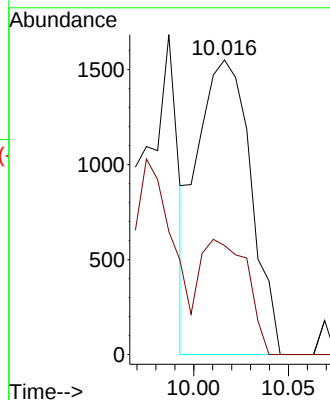
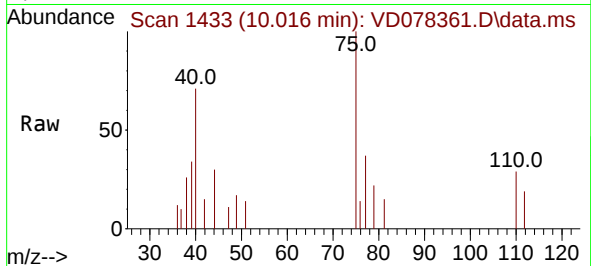
Manual Integrations
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Reviewed By :Mahesh
 Dadoda

02/08/2024

Supervised By :Semsettin
 Yesilyurt

02/08/2024



#40

4-Methyl-2-pentanone

Concen: 0.837 ug/L m

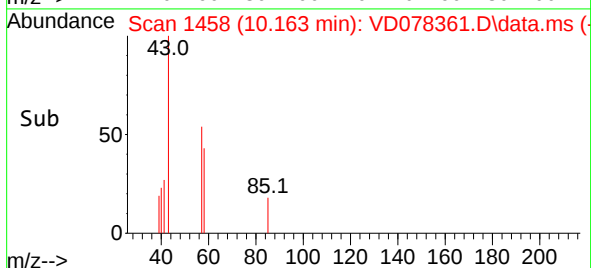
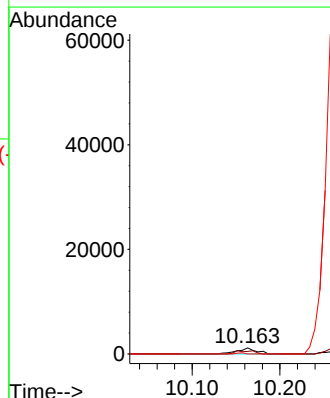
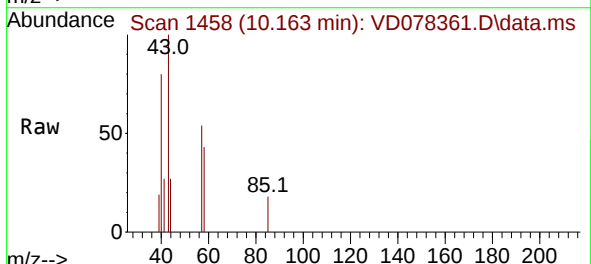
RT: 10.163 min Scan# 1458

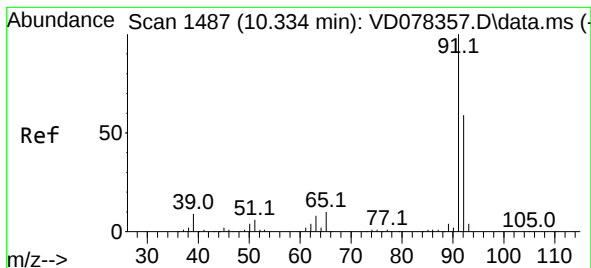
Delta R.T. 0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion: 43 Resp: 1702
 Ion Ratio Lower Upper
 43 100
 58 26.4 34.0 51.0#
 100 7.9 13.2 19.8#





#42

Toluene

Concen: 0.656 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD078361.D

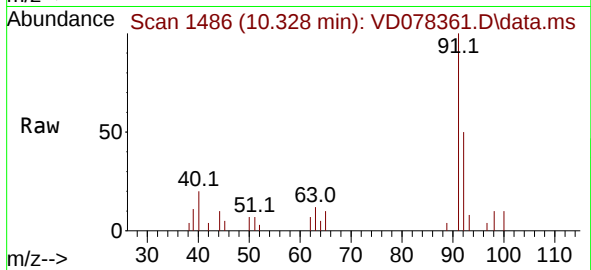
Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:	91	Resp:	8479
Ion Ratio	Lower	Upper	
91	100		
92	50.0	39.5	73.4

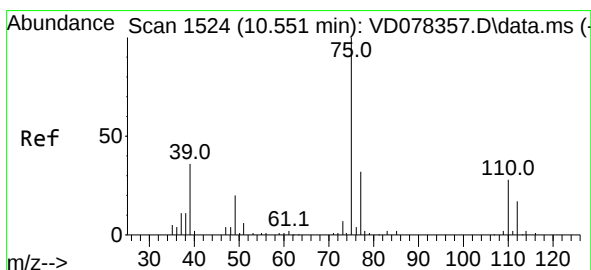
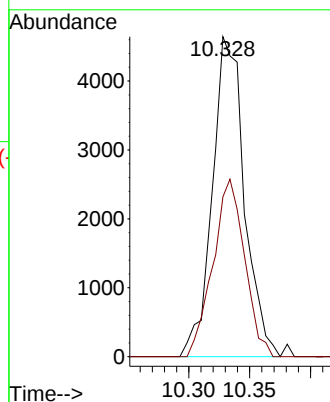
Manual Integrations
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024

Supervised By :Semsettin
Yesilyurt

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#44

trans-1,3-Dichloropropene

Concen: 0.545 ug/L m

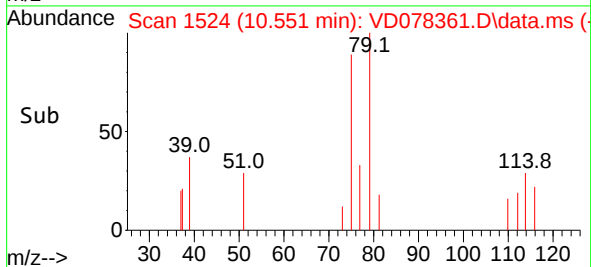
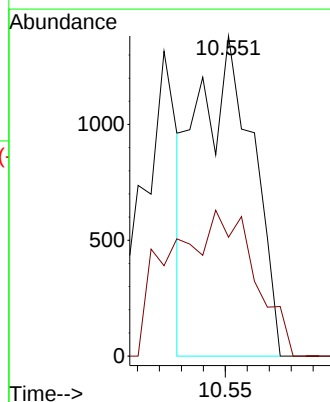
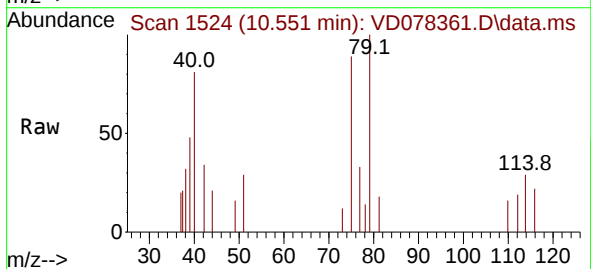
RT: 10.551 min Scan# 1524

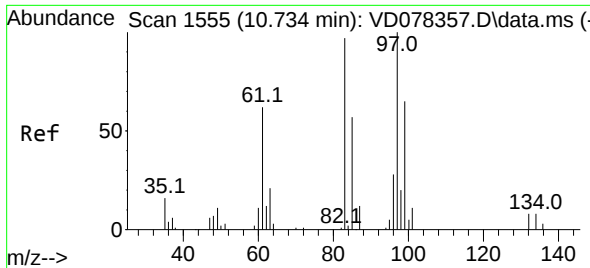
Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

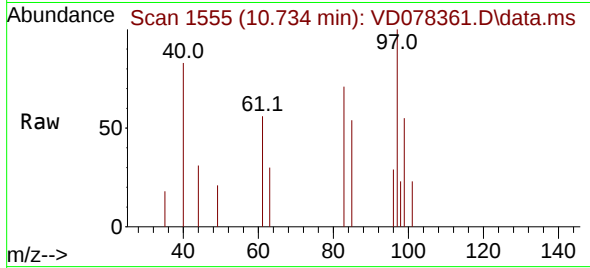
Tgt Ion:	75	Resp:	2430
Ion Ratio	Lower	Upper	
75	100		
77	37.1	20.7	38.5





#45
1,1,2-Trichloroethane
Concen: 0.625 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 97 Resp: 163

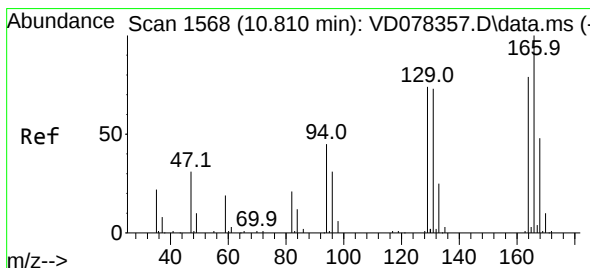
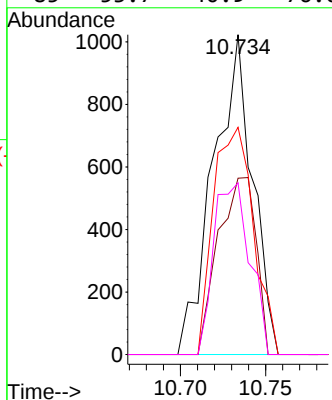
Ion	Ratio	Lower	Upper
97	100		
99	55.1	45.4	84.4
83	71.1	59.5	110.5
85	53.7	40.9	76.0

Manual Integrations
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Reviewed By :Mahesh
Dadoda

02/08/2024
Supervised By :Semsettin
Yesilyurt

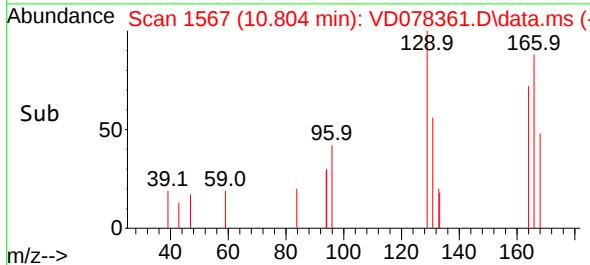
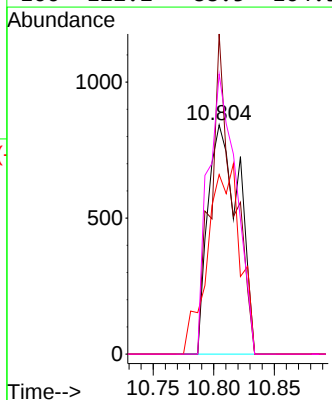
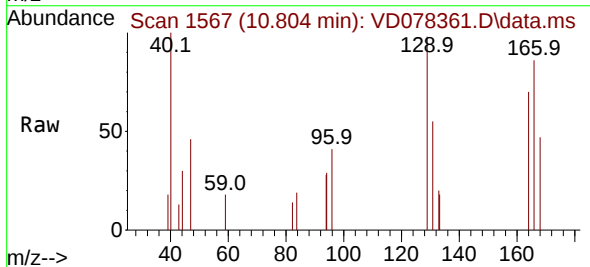
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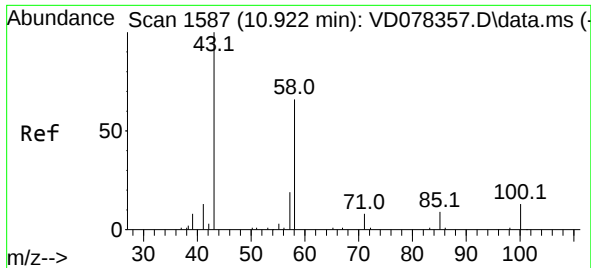


#46
Tetrachloroethene
Concen: 0.697 ug/L m
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:164 Resp: 1502

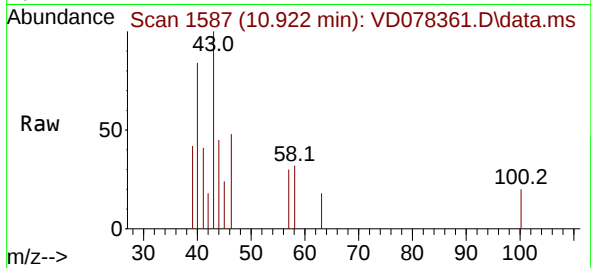
Ion	Ratio	Lower	Upper
164	100		
129	139.6	66.7	123.9#
131	78.3	65.2	121.0
166	122.2	88.5	164.3





#48
2-Hexanone
Concen: 0.975 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08



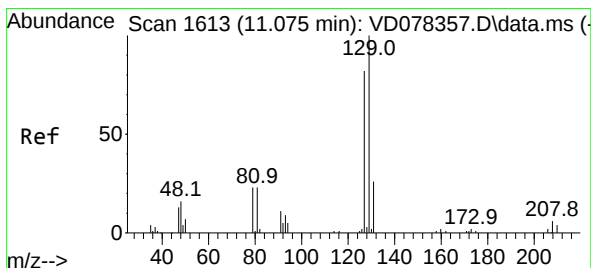
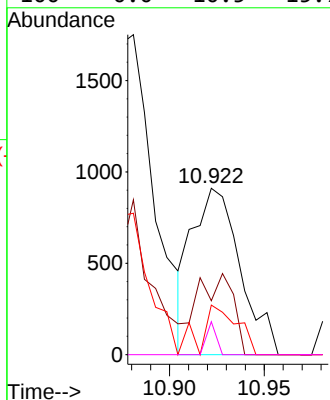
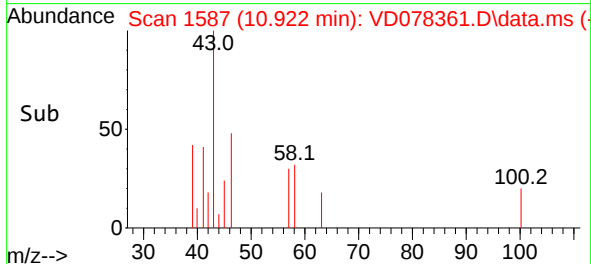
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 36.3 48.5 72.7
57 18.4 15.6 23.4
100 0.0 10.5 15.7

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Reviewed By :Mahesh
Dadoda

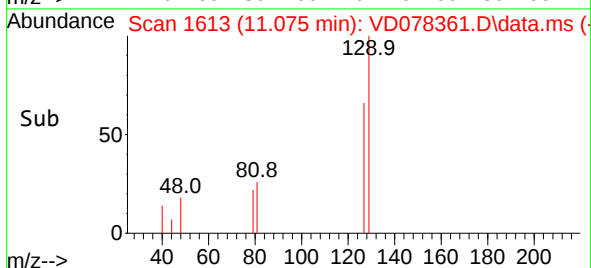
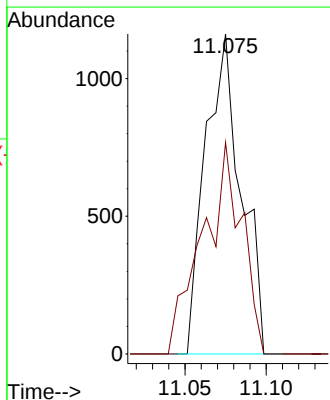
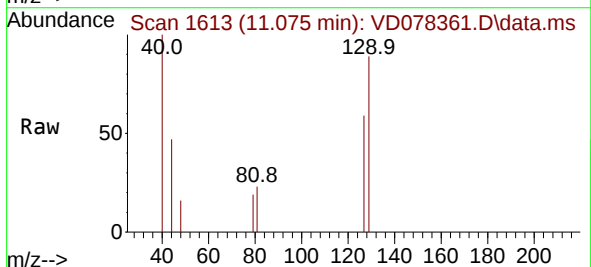
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Supervised By :Semsettin
Yesilyurt

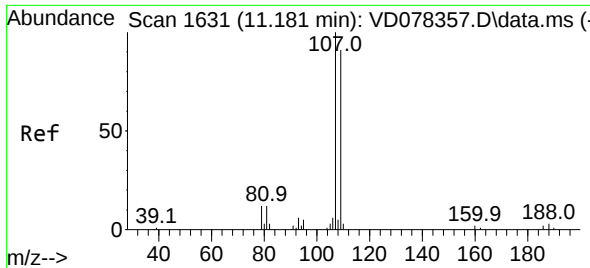
02/08/2024



#49
Dibromochloromethane
Concen: 0.605 ug/L m
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

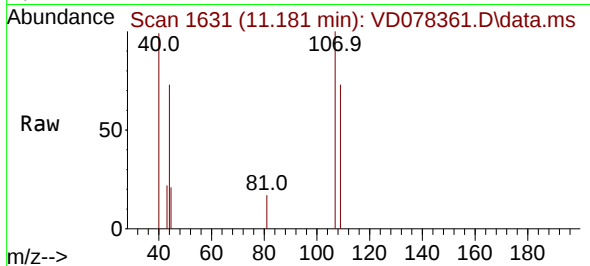
Tgt Ion:129 Resp: 1773
Ion Ratio Lower Upper
129 100
127 66.1 52.7 97.9





#50
1,2-Dibromoethane
Concen: 0.531 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



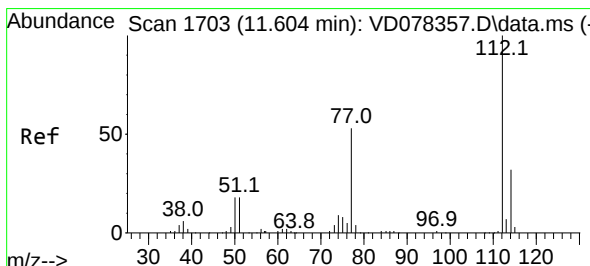
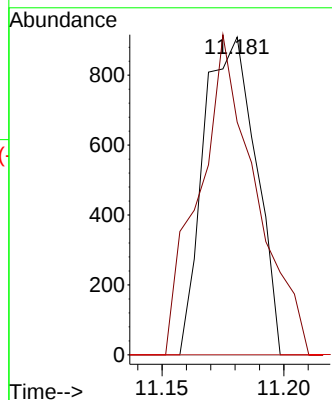
Tgt Ion:107 Resp: 1352
Ion Ratio Lower Upper
107 100
109 73.3 64.0 118.8
188 0.0 3.1 4.7

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Dadoda

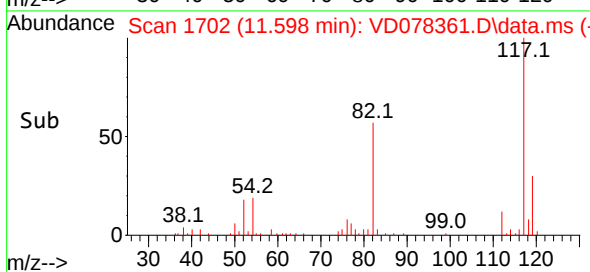
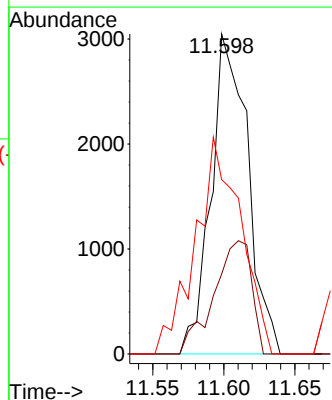
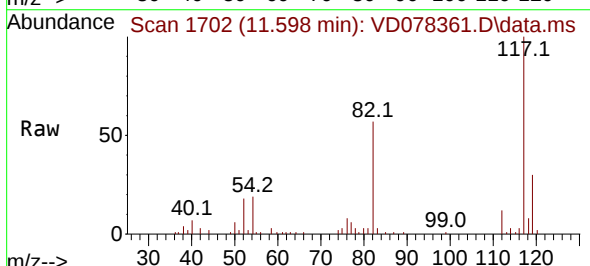
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Supervised By :Semsettin
Yesilyurt

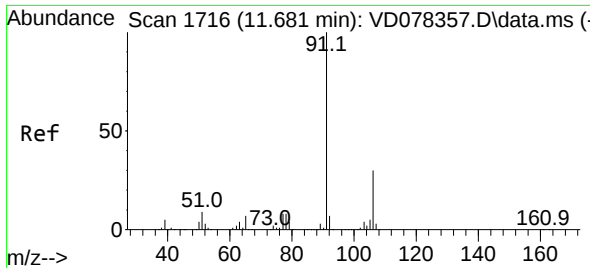
02/08/2024



#51
Chlorobenzene
Concen: 0.654 ug/L
RT: 11.598 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

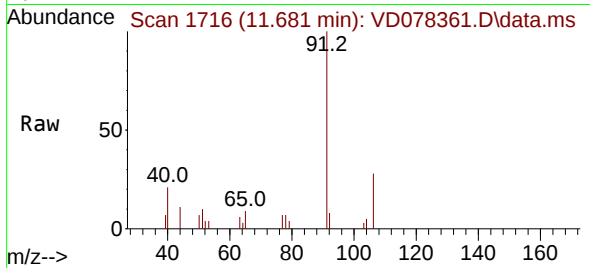
Tgt Ion:112 Resp: 5473
Ion Ratio Lower Upper
112 100
114 25.0 22.3 41.3
77 54.5 42.3 63.5





#52
Ethylbenzene
Concen: 0.584 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



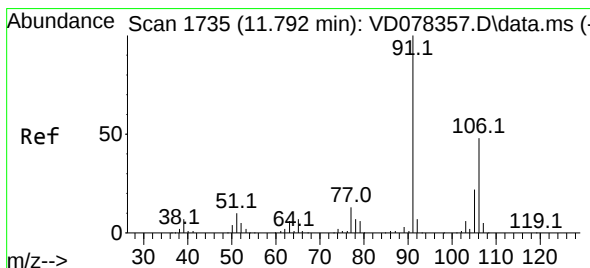
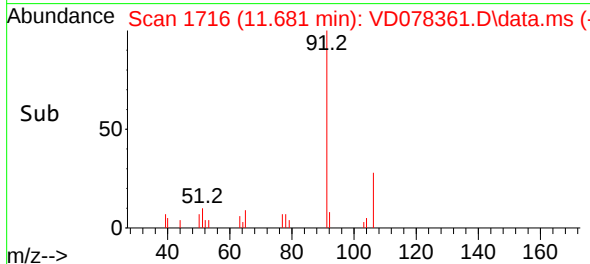
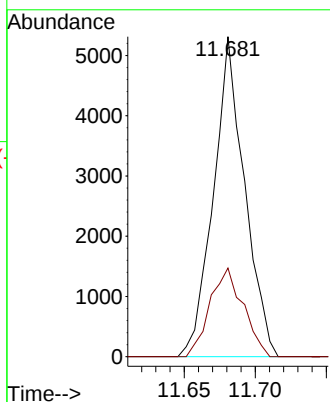
Tgt Ion: 91 Resp: 8110
Ion Ratio Lower Upper
91 100
106 27.7 22.5 41.7

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Reviewed By :Mahesh
Dadoda

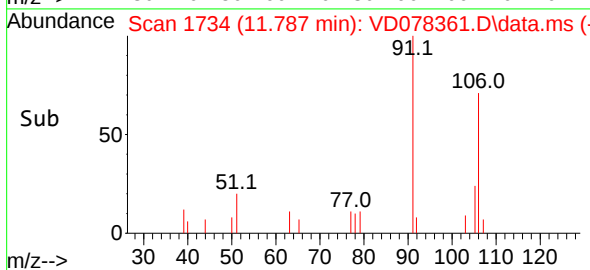
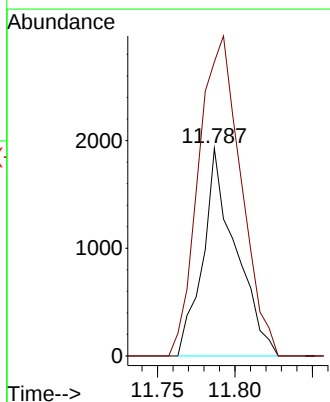
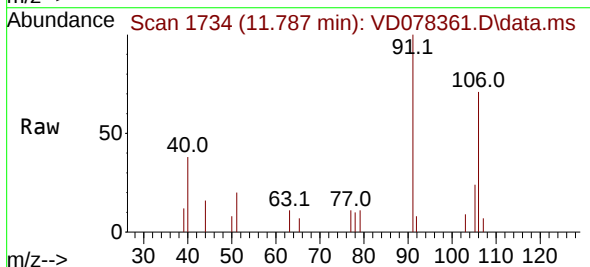
02/08/2024
Supervised By :Semsettin
Yesilyurt

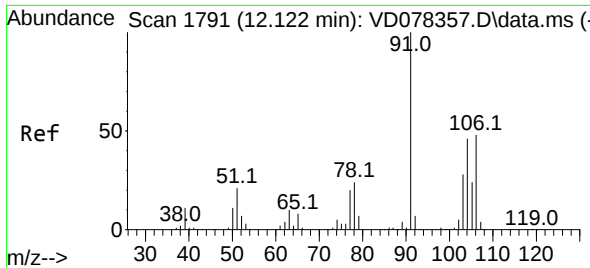
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#53
m,p-Xylene
Concen: 0.533 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:106 Resp: 2844
Ion Ratio Lower Upper
106 100
91 141.7 138.3 256.8





#54
o-Xylene
Concen: 0.451 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

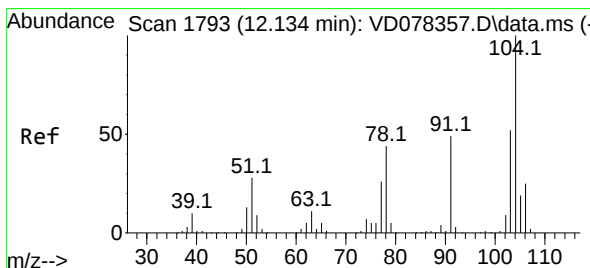
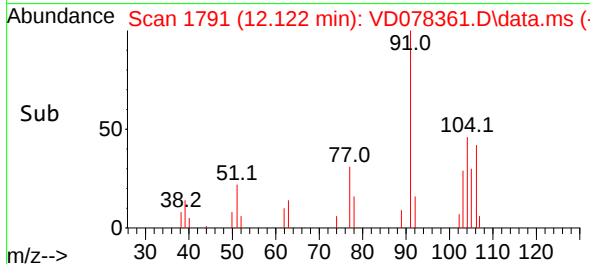
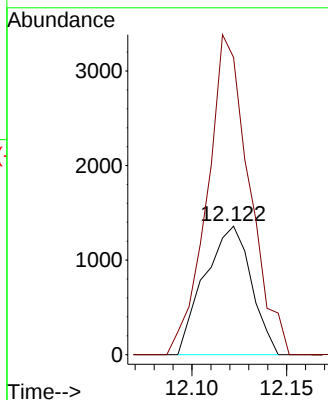
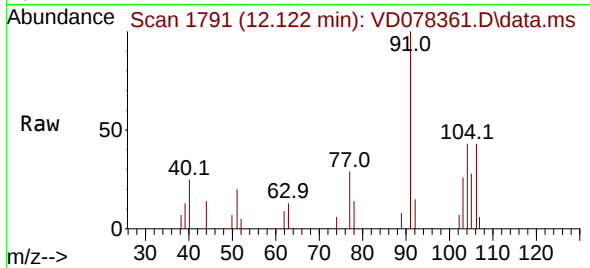
Tgt Ion:106 Resp: 232.0
Ion Ratio Lower Upper
106 100
91 231.5 148.0 274.8

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Reviewed By :Mahesh
Dadoda

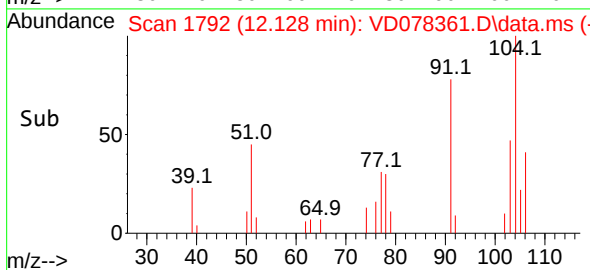
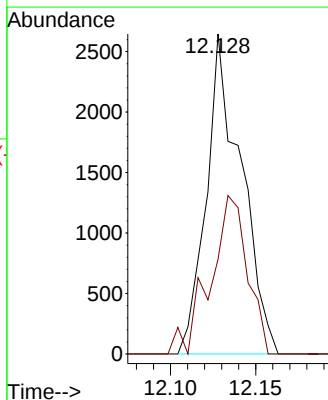
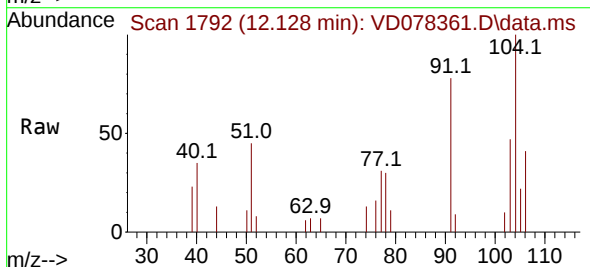
02/08/2024
Supervised By :Semsettin
Yesilyurt

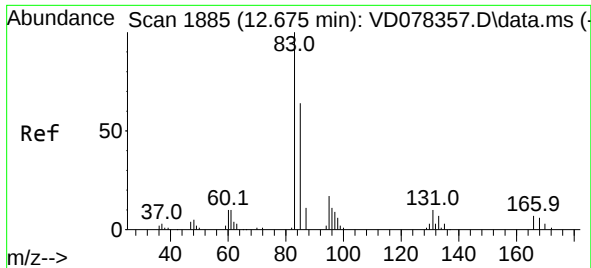
02/08/2024



#55
Styrene
Concen: 0.404 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:104 Resp: 3751
Ion Ratio Lower Upper
104 100
78 29.6 29.5 54.7





#57
1,1,2,2-Tetrachloroethane
Concen: 0.647 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08

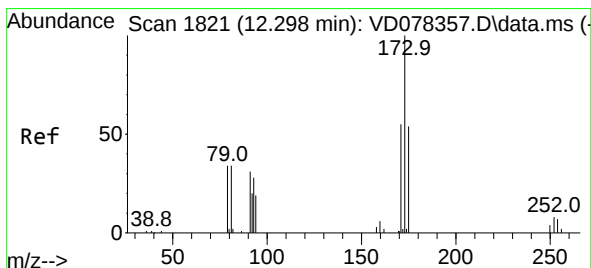
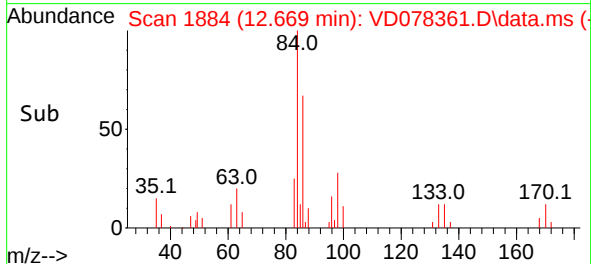
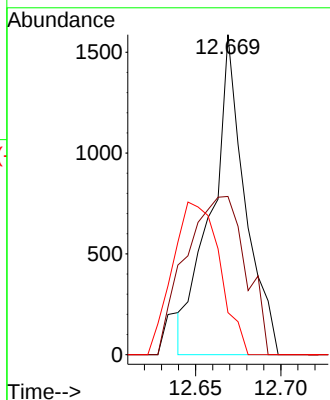
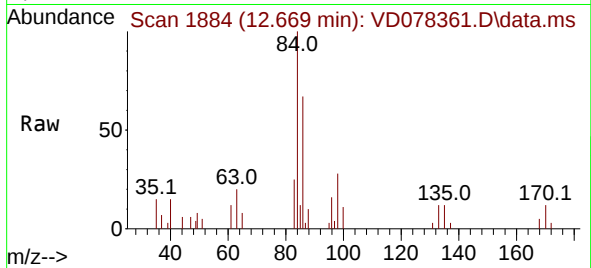
Tgt Ion: 83 Resp: 216
Ion Ratio Lower Upper
83 100
85 49.5 42.6 79.0
131 13.1 6.0 9.0

Manual Integrations
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Reviewed By :Mahesh
Dadoda

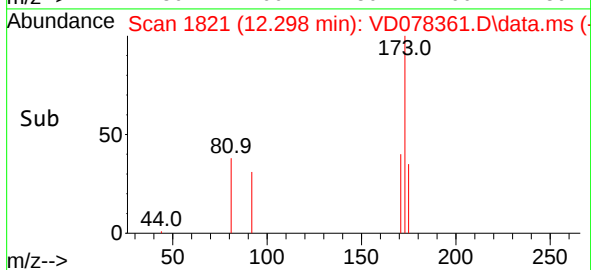
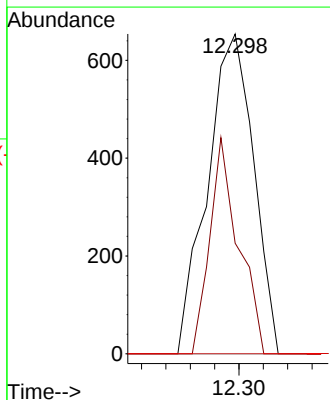
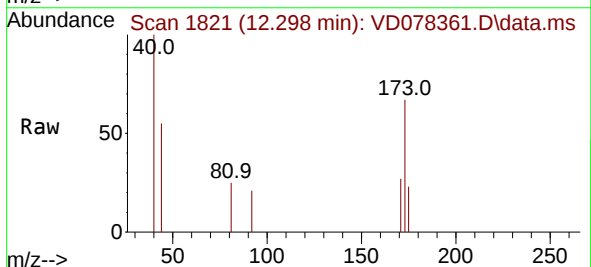
02/08/2024
Supervised By :Semsettin
Yesilyurt

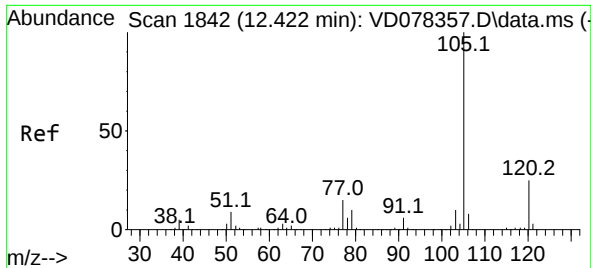
02/08/2024



#59
Bromoform
Concen: 0.570 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

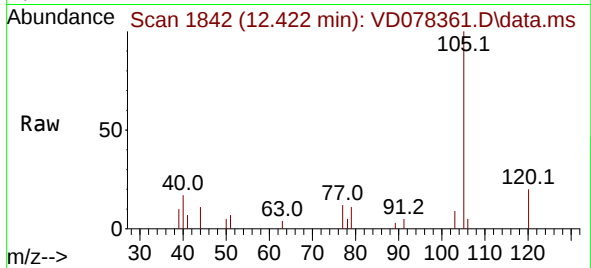
Tgt Ion:173 Resp: 861
Ion Ratio Lower Upper
173 100
175 41.9 40.2 60.4
254 0.0 6.6 9.8





#60
Isopropylbenzene
Concen: 0.599 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



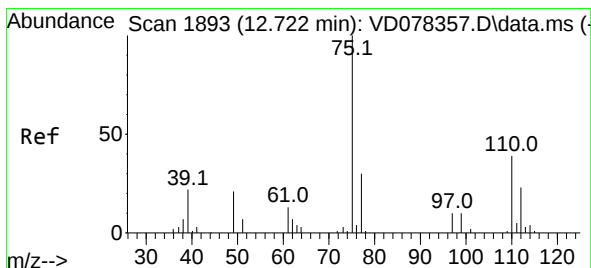
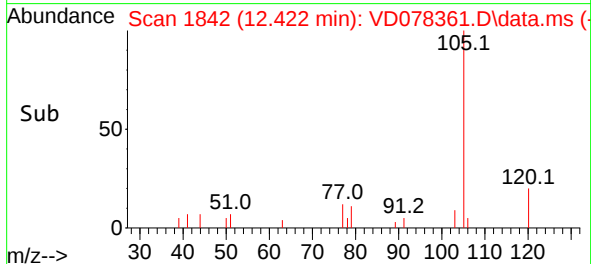
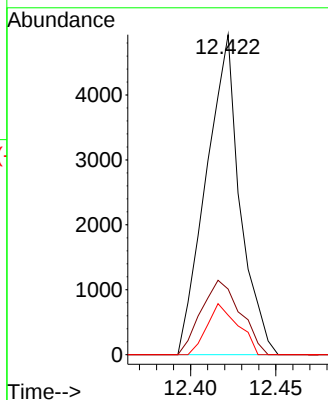
Tgt Ion:105 Resp: 6820
Ion Ratio Lower Upper
105 100
120 27.0 20.4 30.6
77 14.6 12.4 18.6

Manual Integrations
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Reviewed By :Mahesh
Dadoda

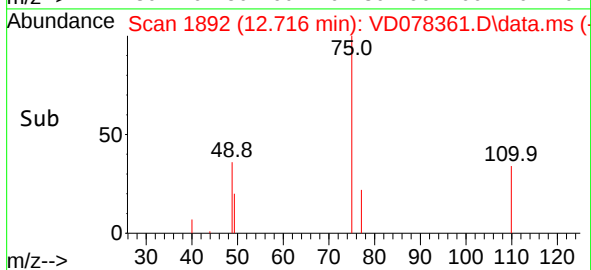
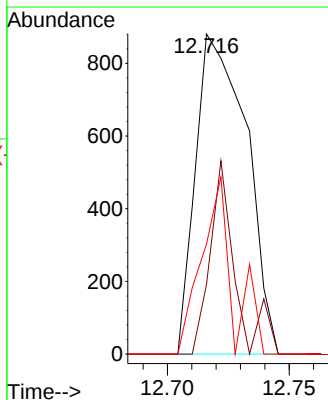
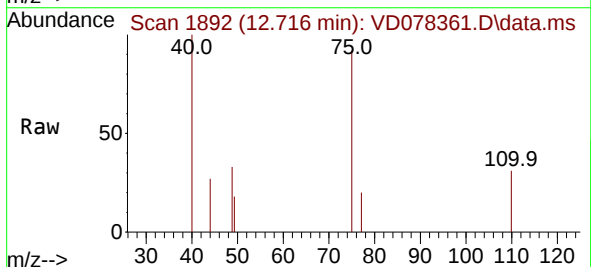
02/08/2024
Supervised By :Semsettin
Yesilyurt

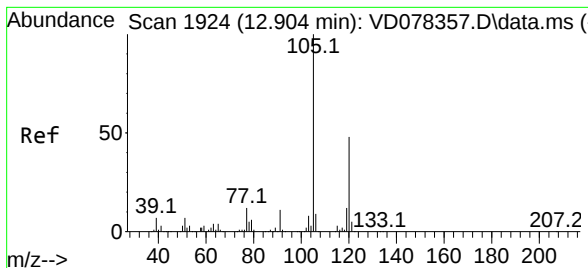
02/08/2024



#61
1,2,3-Trichloropropane
Concen: 0.663 ug/L
RT: 12.716 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
77 25.6 26.5 39.7#
110 27.0 31.8 47.8#





#62
1,3,5-Trimethylbenzene
Concen: 0.536 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

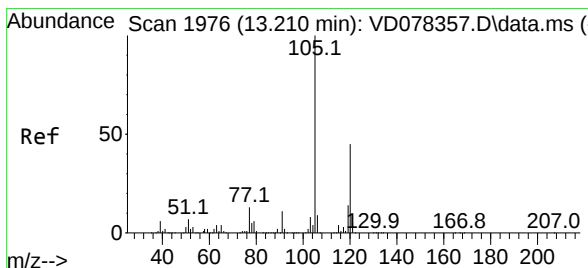
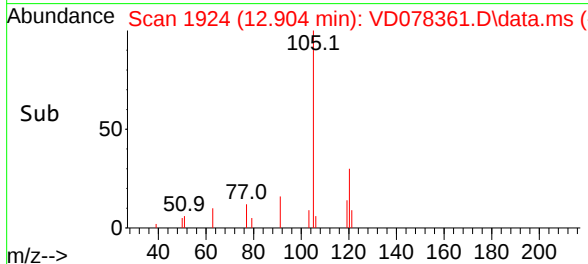
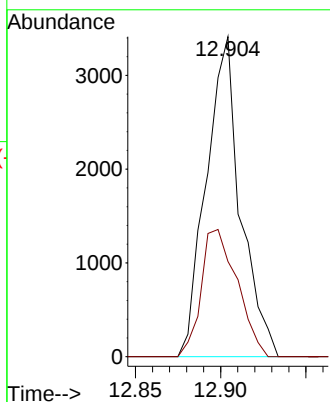
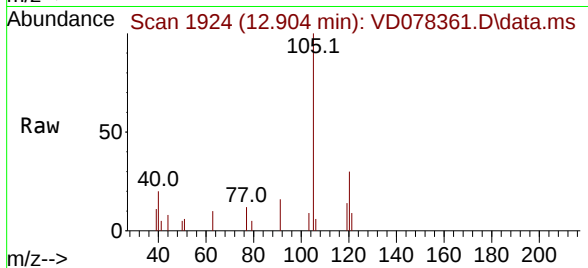
Tgt Ion:105 Resp: 4769
Ion Ratio Lower Upper
105 100
120 41.8 39.5 59.3

Manual Integrations
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Reviewed By :Mahesh
Dadoda

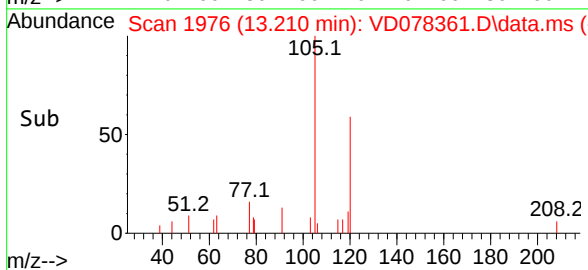
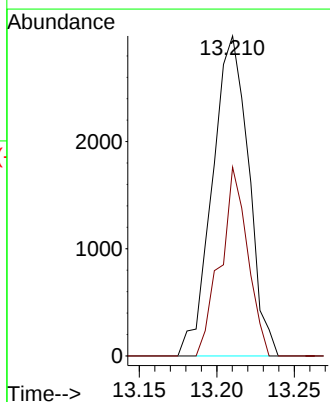
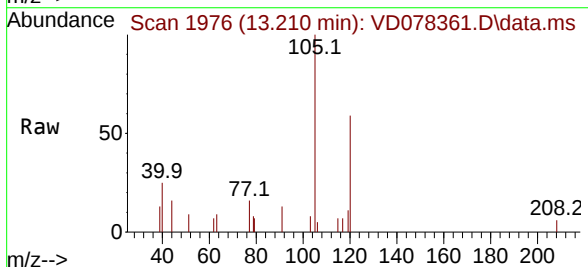
02/08/2024
Supervised By :Semsettin
Yesilyurt

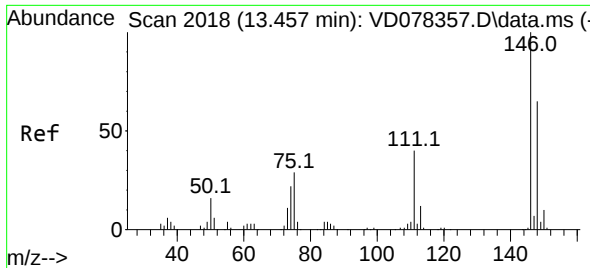
02/08/2024



#63
1,2,4-Trimethylbenzene
Concen: 0.549 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

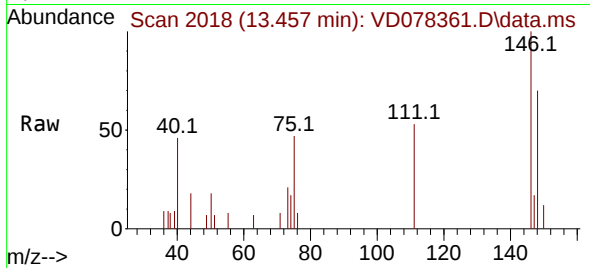
Tgt Ion:105 Resp: 4842
Ion Ratio Lower Upper
105 100
120 44.3 37.0 55.4





#64
1,3-Dichlorobenzene
Concen: 0.651 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



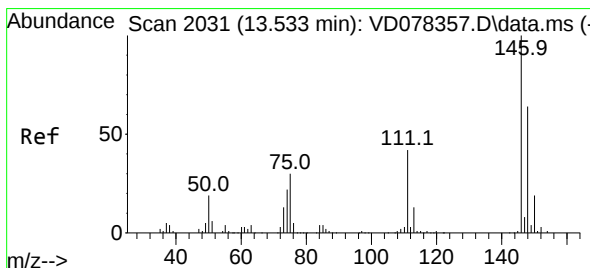
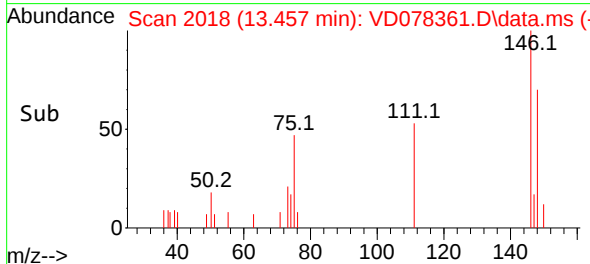
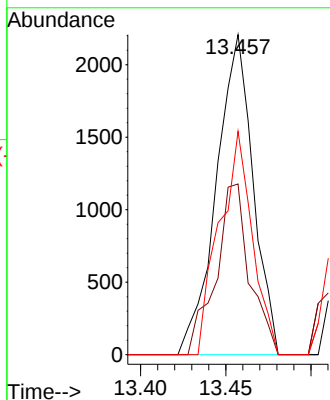
Tgt Ion:146 Resp: 3309
Ion Ratio Lower Upper
146 100
111 53.4 28.6 53.0
148 69.8 46.5 86.3

Manual Integrations
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Reviewed By :Mahesh
Dadoda

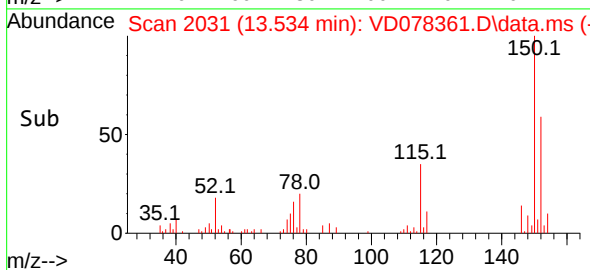
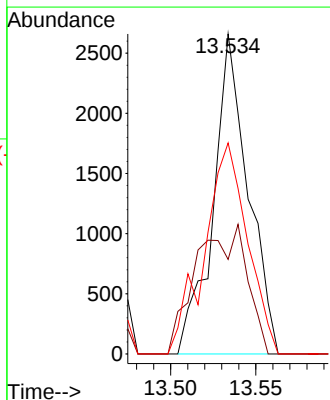
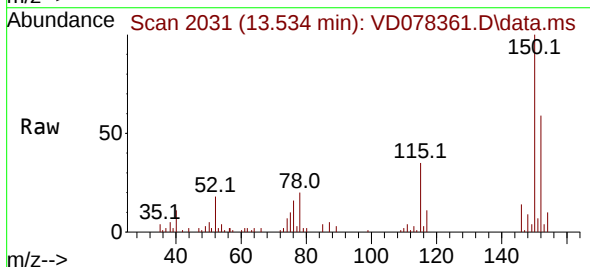
02/08/2024
Supervised By :Semsettin
Yesilyurt

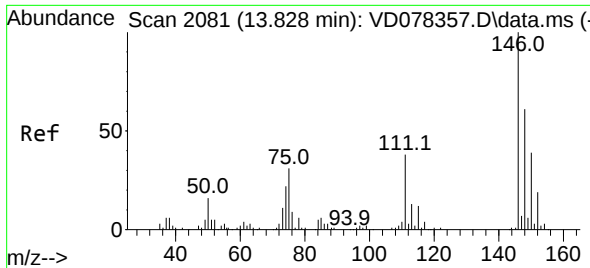
02/08/2024



#65
1,4-Dichlorobenzene
Concen: 0.714 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:146 Resp: 3796
Ion Ratio Lower Upper
146 100
111 29.5 26.4 49.0
148 65.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.742 ug/L

RT: 13.822 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion:146	Resp:	356
Ion Ratio	Lower	Upper
146	100	
111	64.6	33.6 50.4
148	43.3	48.4 72.6

Manual Integrations

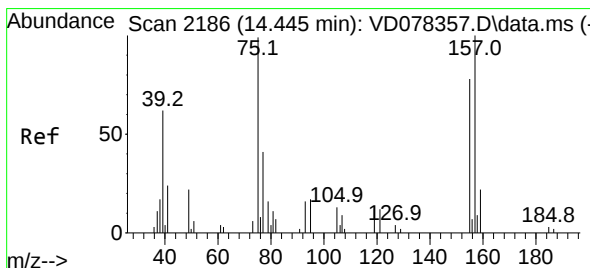
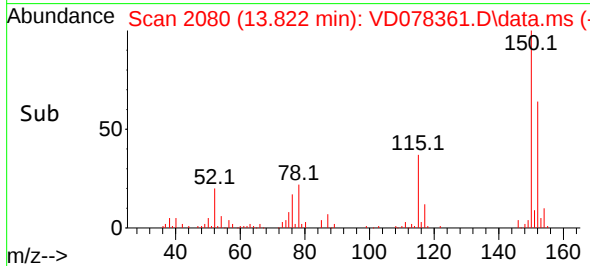
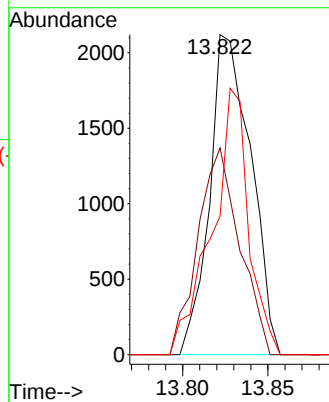
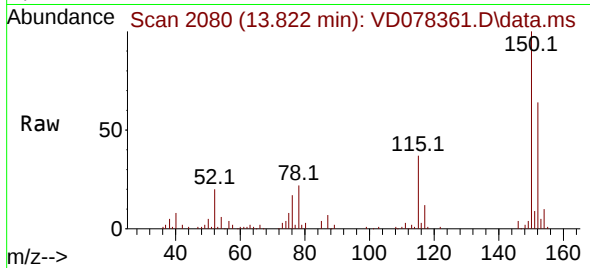
APPROVED

Reviewed By :Mahesh
Dadoda

02/08/2024

Supervised By :Semsettin
Yesilyurt

02/08/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 0.651 ug/L m

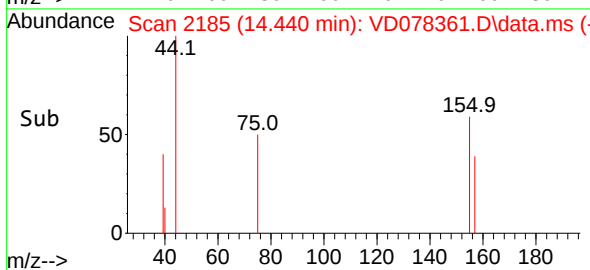
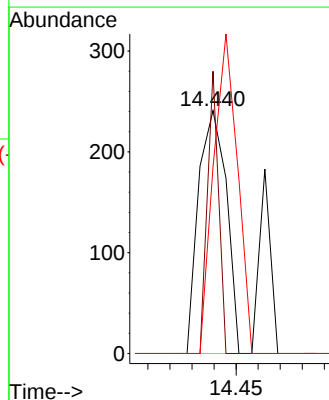
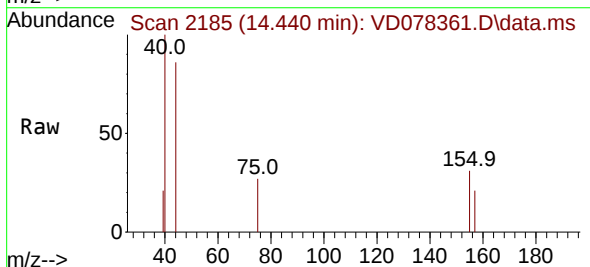
RT: 14.440 min Scan# 2185

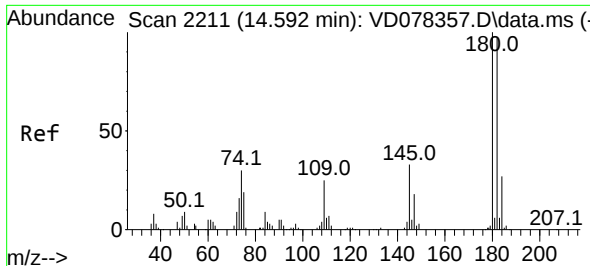
Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

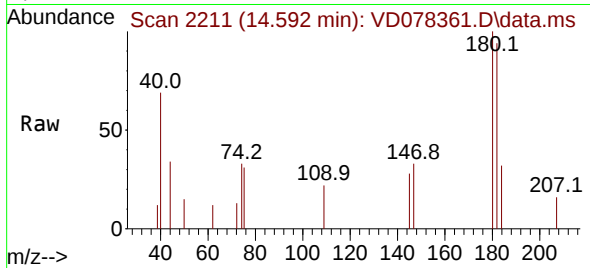
Tgt Ion: 75	Resp:	277
Ion Ratio	Lower	Upper
75	100	
155	116.2	61.6 92.4
157	76.8	78.1 117.1





#69
1,3,5-Trichlorobenzene
Concen: 0.622 ug/L
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



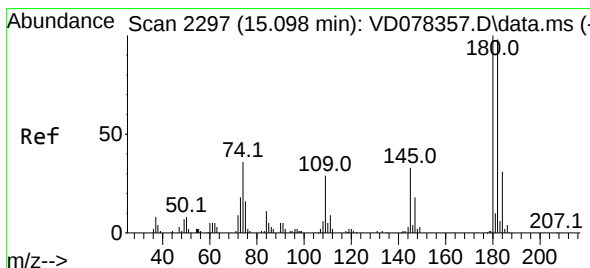
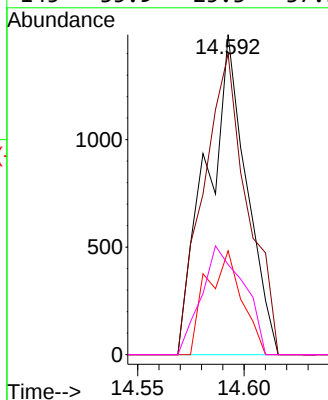
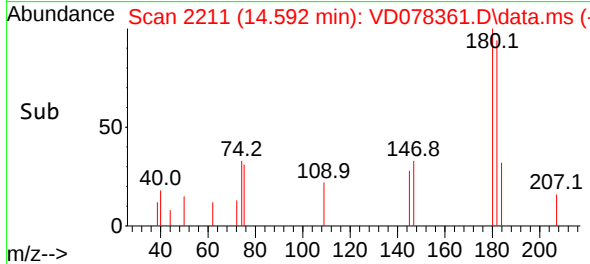
Tgt Ion:180 Resp: 1940
Ion Ratio Lower Upper
180 100
182 102.7 75.6 113.4
184 28.6 23.2 34.8
145 35.9 25.3 37.9

Manual Integrations
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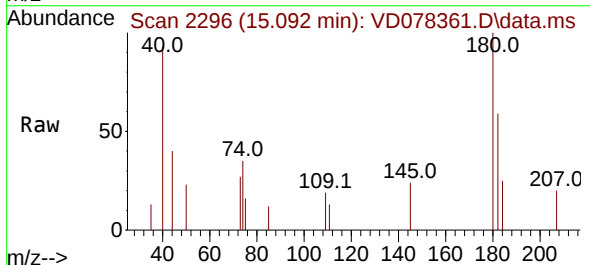
Reviewed By :Mahesh
Dadoda

02/08/2024
Supervised By :Semsettin
Yesilyurt

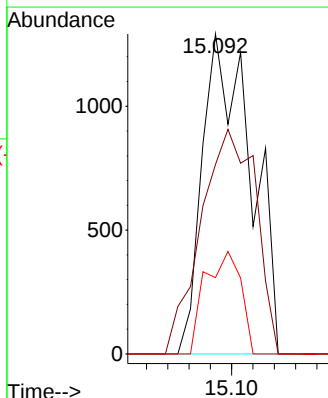
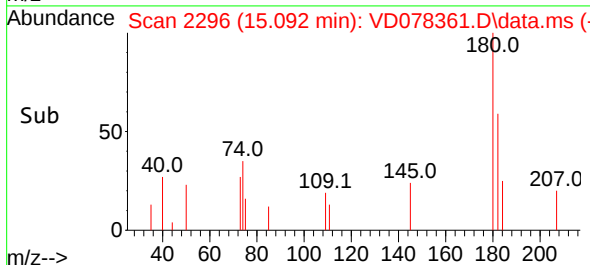
02/08/2024

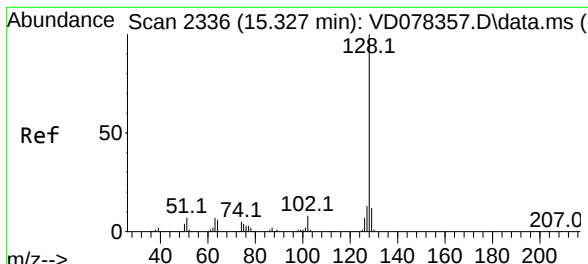


#70
1,2,4-trichlorobenzene
Concen: 0.758 ug/L
RT: 15.092 min Scan# 2296
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48



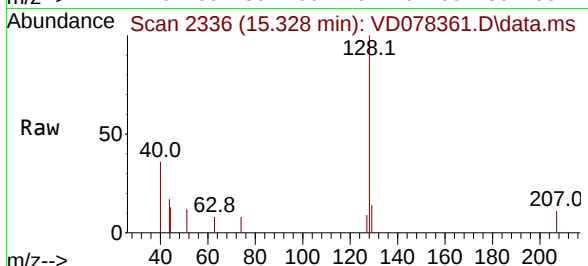
Tgt Ion:180 Resp: 2052
Ion Ratio Lower Upper
180 100
182 79.1 76.2 114.4
145 23.4 25.0 37.6#





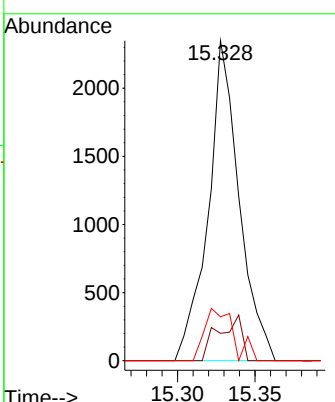
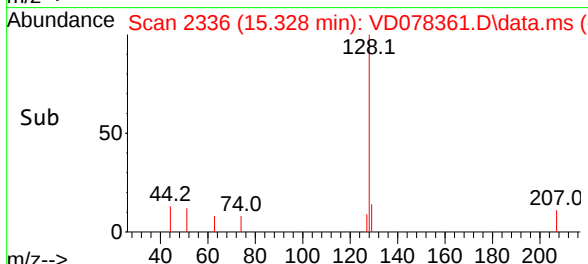
#71
Naphthalene
Concen: 0.515 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08

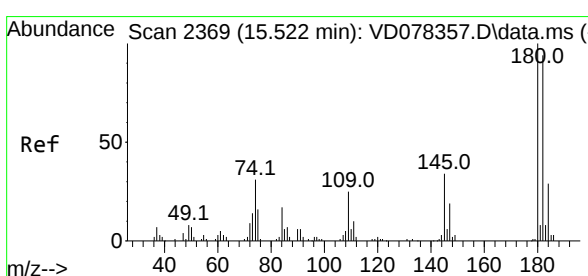


Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.8	11.0	16.4
129	13.3	8.6	12.8

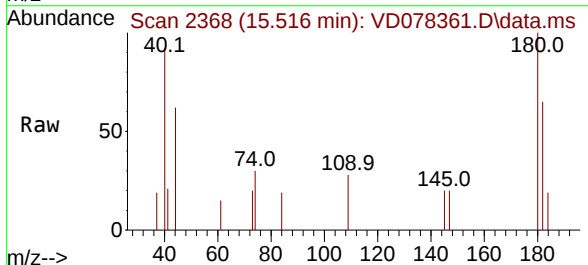
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda
02/08/2024



Supervised By :Semsettin Yesilyurt
02/08/2024



#72
1,2,3-Trichlorobenzene
Concen: 0.597 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48



Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.9	75.4	113.0
145	14.1	26.8	40.2

