

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030824\
 Data File : VX040617.D
 Acq On : 07 Mar 2024 13:26
 Operator : JC/MD
 Sample : P1601-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-02

Quant Time: Mar 08 01:38:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 01:27:40 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/08/2024
 Supervised By :Semsettin
 Yesilyurt

03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	162629	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	146677	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	76643	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	67954	47.668	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.340%
7) Chloroethane-d5	1.666	69	51902	45.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.307	65	30915	47.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.220%
21) 2-Butanone-d5	4.452	46	116613	106.598	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.600%
24) Chloroform-d	5.056	84	135144m	51.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.100%
26) 1,2-Dichloroethane-d4	5.952	65	99671	50.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.860%
32) Benzene-d6	5.971	84	247317	54.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.920%
36) 1,2-Dichloropropane-d6	7.306	67	77738	55.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.480%
41) Toluene-d8	8.647	98	226189	52.157	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.320%
43) trans-1,3-Dichloroprop...	8.946	79	39900	53.753	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.500%
47) 2-Hexanone-d5	9.378	63	84814	110.214	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.210%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114335	54.755	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.500%
66) 1,2-Dichlorobenzene-d4	12.317	152	85228	53.093	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.180%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.167	85	4138	2.851	ug/L 91
3) Chloromethane	1.301	50	3679	2.916	ug/L 95
5) Vinyl chloride	1.374	62	4370	3.201	ug/L 93
6) Bromomethane	1.605	94	2370	3.270	ug/L 78
8) Chloroethane	1.685	64	2030	2.593	ug/L 94
9) Trichlorofluoromethane	1.886	101	5524	2.908	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4164	3.696	ug/L # 84
12) 1,1-Dichloroethene	2.313	96	3671	3.703	ug/L # 1
13) Acetone	2.380	43	4427	5.667	ug/L 97
14) Carbon disulfide	2.514	76	8532	2.974	ug/L 100
15) Methyl Acetate	2.703	43	3762	2.853	ug/L 94
16) Methylene chloride	2.788	84	3739	3.425	ug/L 78
17) trans-1,2-Dichloroethene	3.087	96	2784	2.736	ug/L # 76
18) Methyl tert-butyl Ether	3.117	73	9600	2.728	ug/L # 92
19) 1,1-Dichloroethane	3.605	63	5780	2.923	ug/L 97
20) cis-1,2-Dichloroethene	4.489	96	3473	3.043	ug/L 81
22) 2-Butanone	4.568	43	5582	5.396	ug/L 92
23) Bromochloromethane	4.898	128	1755	3.015	ug/L # 82
25) Chloroform	5.087	83	9974	4.470	ug/L 92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	6.092	62	6086	3.104	ug/L	#	95
29) Cyclohexane	5.471	56	5098	3.163	ug/L	#	48
30) 1,1,1-Trichloroethane	5.385	97	5361m	2.935	ug/L		
31) Carbon tetrachloride	5.672	117	4571	2.981	ug/L		97
33) Benzene	6.044	78	12205	3.098	ug/L		100
35) Methylcyclohexane	7.373	83	4929	2.900	ug/L		91
37) 1,2-Dichloropropane	7.434	63	3113	2.984	ug/L	#	88
38) Bromodichloromethane	7.824	83	4475	2.900	ug/L		98
39) cis-1,3-Dichloropropene	8.373	75	5020	2.858	ug/L		91
40) 4-Methyl-2-pentanone	8.574	43	9806	5.483	ug/L		99
42) Toluene	8.714	91	13661	3.160	ug/L		84
44) trans-1,3-Dichloropropene	8.976	75	4686	2.739	ug/L		99
45) 1,1,2-Trichloroethane	9.159	97	3175	2.948	ug/L		87
46) Tetrachloroethene	9.275	164	2772	3.319	ug/L		91
48) 2-Hexanone	9.427	43	8442	5.697	ug/L		98
49) Dibromochloromethane	9.525	129	3252	2.890	ug/L		98
50) 1,2-Dibromoethane	9.610	107	3430	2.962	ug/L	#	92
51) Chlorobenzene	10.080	112	8182	2.922	ug/L		94
52) Ethylbenzene	10.195	91	14040	2.764	ug/L		98
53) m,p-Xylene	10.305	106	5009	2.712	ug/L		98
54) o-Xylene	10.640	106	4976	2.807	ug/L		97
55) Styrene	10.659	104	8755	2.834	ug/L		98
57) 1,1,2,2-Tetrachloroethane	11.207	83	5890	3.319	ug/L		96
59) Bromoform	10.799	173	2279	2.564	ug/L		95
60) Isopropylbenzene	10.964	105	14338	2.786	ug/L		99
61) 1,2,3-Trichloropropane	11.238	75	4463	2.922	ug/L		97
62) 1,3,5-Trimethylbenzene	11.451	105	11579	2.714	ug/L		94
63) 1,2,4-Trimethylbenzene	11.750	105	11285	2.645	ug/L		97
64) 1,3-Dichlorobenzene	11.969	146	6551	2.908	ug/L		90
65) 1,4-Dichlorobenzene	12.043	146	7190	3.138	ug/L		93
67) 1,2-Dichlorobenzene	12.335	146	6640	3.100	ug/L		98
68) 1,2-Dibromo-3-chloropr...	12.939	75	1076	2.407	ug/L	#	92
69) 1,3,5-Trichlorobenzene	13.116	180	4360	2.883	ug/L		98
70) 1,2,4-trichlorobenzene	13.585	180	3737	2.665	ug/L		97
71) Naphthalene	13.774	128	10866	2.438	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	3804	2.754	ug/L		96

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

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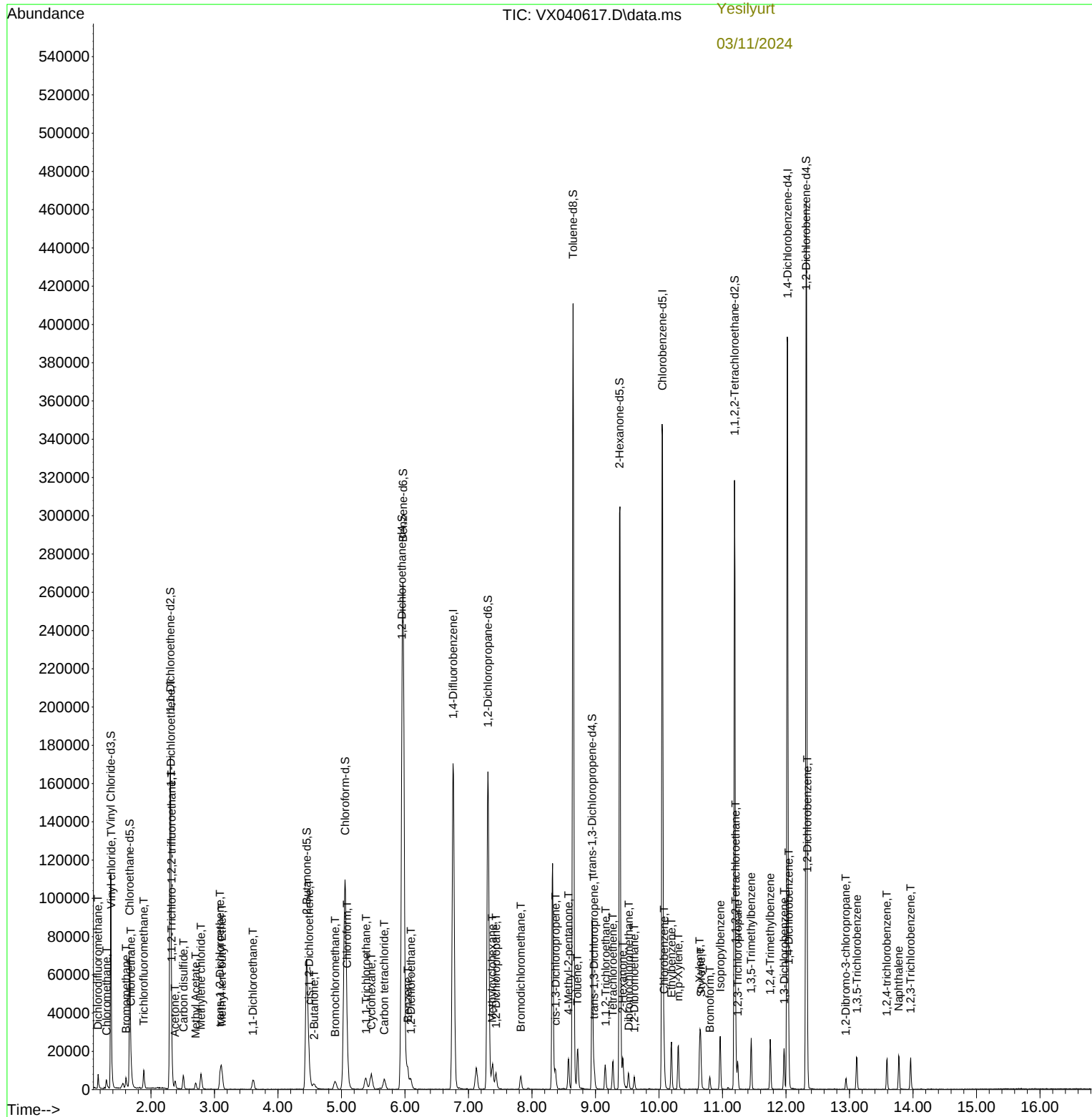
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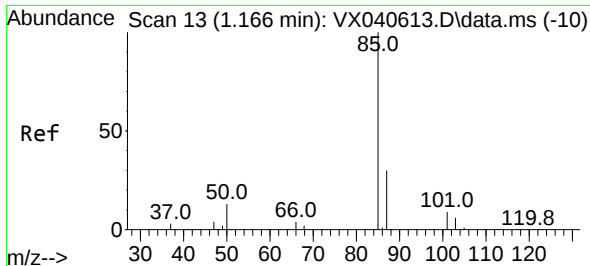
Manual Integrations
APPROVED

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03/08/2024
Supervised By :Semsettin
Yesilyurt

03/11/2024





#2
Dichlorodifluoromethane
Concen: 2.851 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

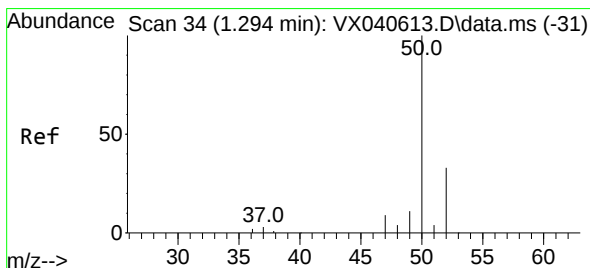
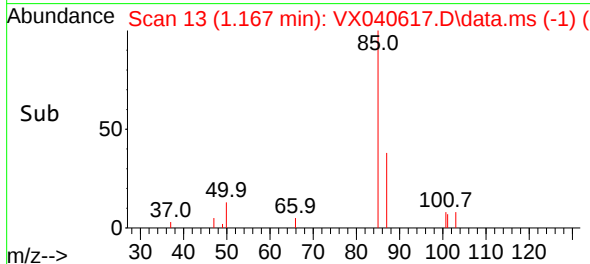
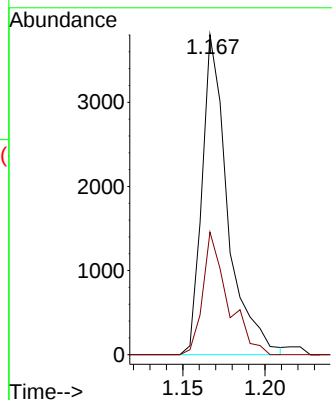
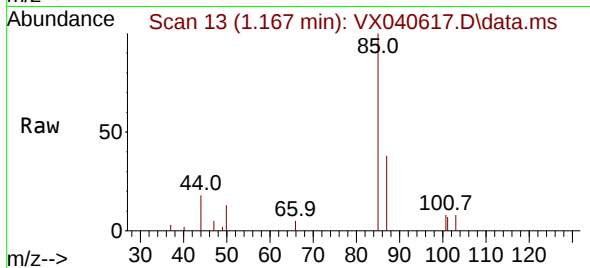
Tgt Ion: 85 Resp: 4138
Ion Ratio Lower Upper
85 100
87 37.4 26.1 39.1

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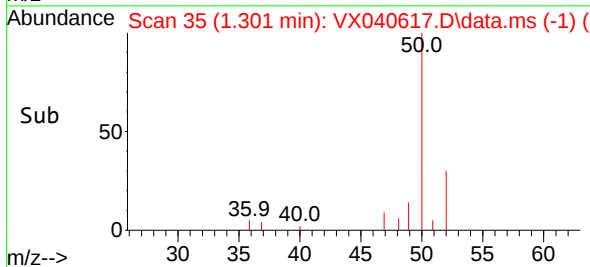
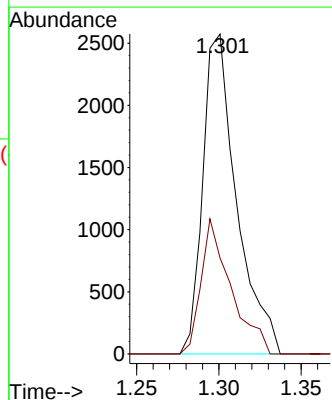
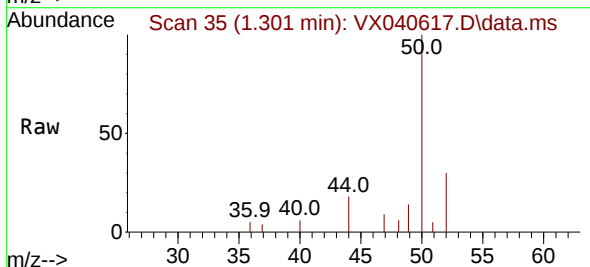
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Supervised By :Semsettin
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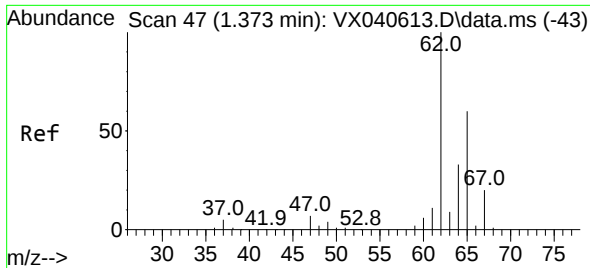
03/11/2024



#3
Chloromethane
Concen: 2.916 ug/L
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

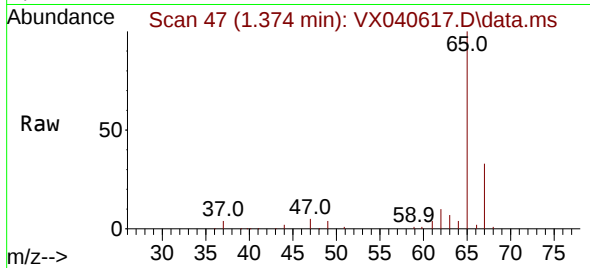
Tgt Ion: 50 Resp: 3679
Ion Ratio Lower Upper
50 100
52 30.0 23.1 42.9





#5
Vinyl chloride
Concen: 3.201 ug/L
RT: 1.374 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
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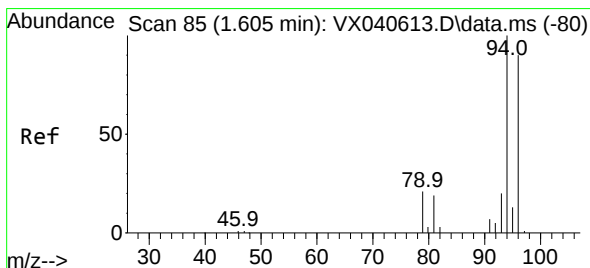
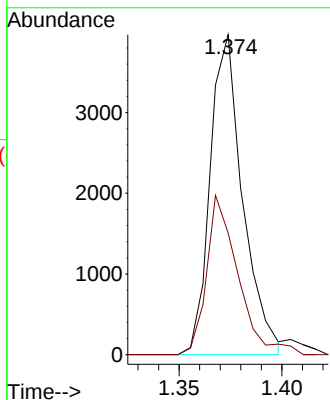
Tgt Ion: 62 Resp: 4370
Ion Ratio Lower Upper
62 100
64 38.1 23.8 44.2

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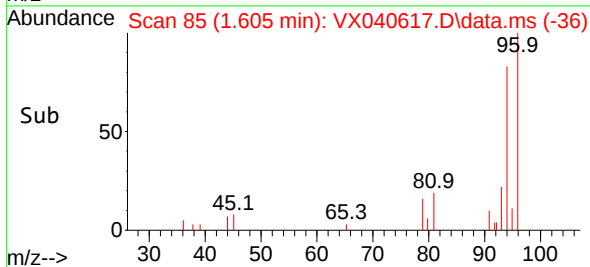
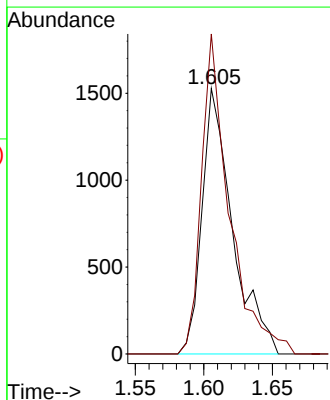
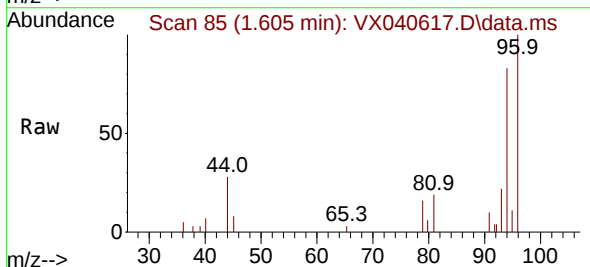
03/08/2024
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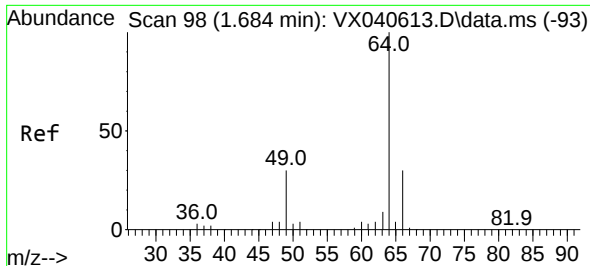
03/11/2024



#6
Bromomethane
Concen: 3.270 ug/L
RT: 1.605 min Scan# 85
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

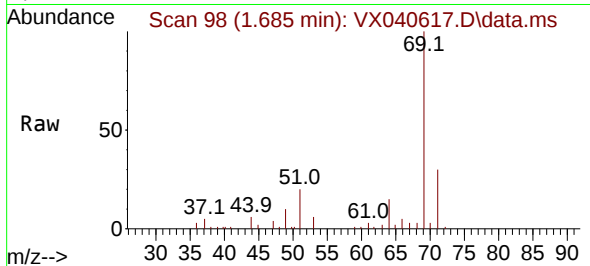
Tgt Ion: 94 Resp: 2370
Ion Ratio Lower Upper
94 100
96 120.6 69.0 128.2





#8
Chloroethane
Concen: 2.593 ug/L
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02



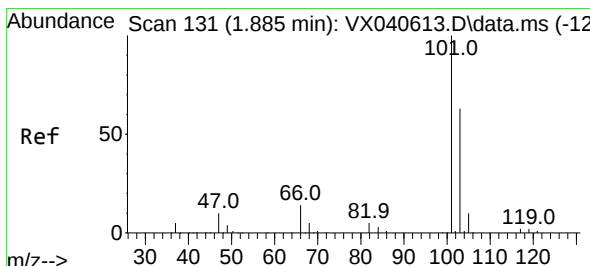
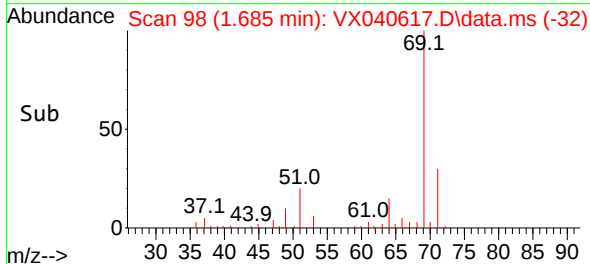
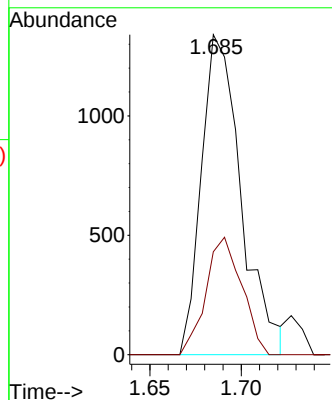
Tgt Ion: 64 Resp: 2030
Ion Ratio Lower Upper
64 100
66 32.2 25.0 46.4

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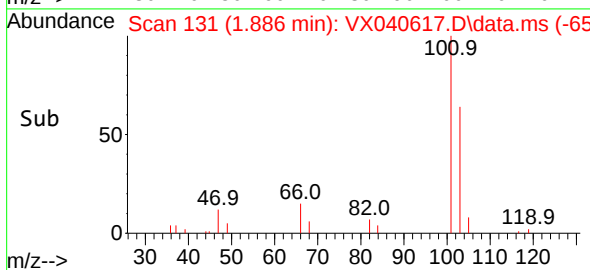
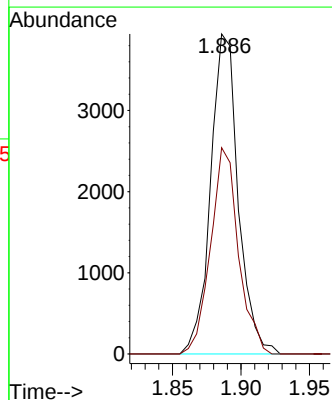
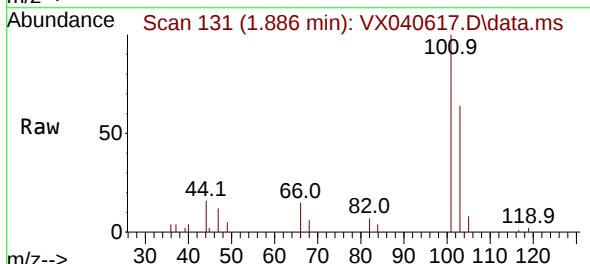
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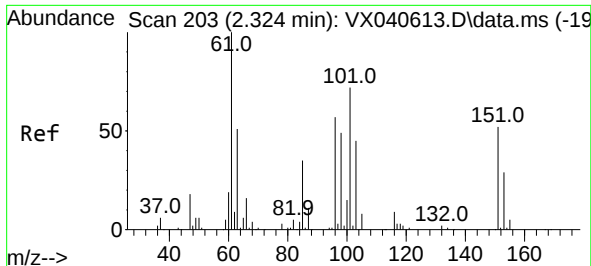
03/11/2024



#9
Trichlorofluoromethane
Concen: 2.908 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion:101 Resp: 5524
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.696 ug/L
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

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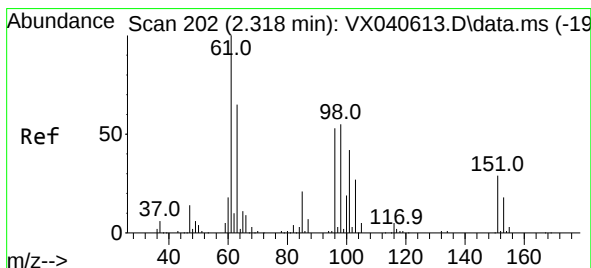
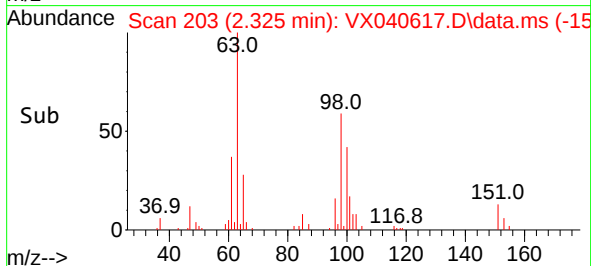
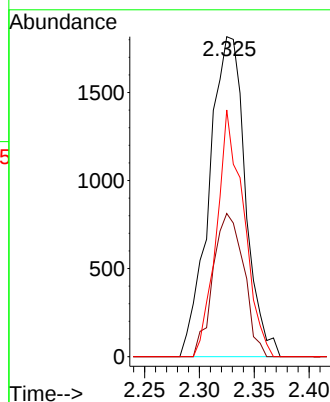
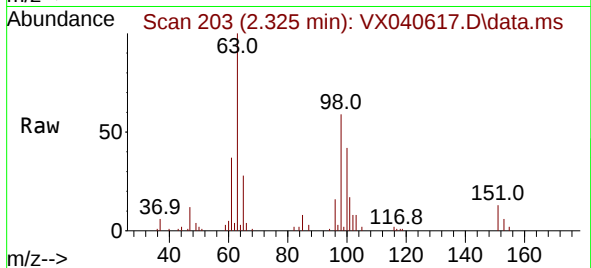
Tgt Ion: 101 Resp: 4164
Ion Ratio Lower Upper
101 100
85 38.1 38.3 57.5
151 58.0 57.7 86.5

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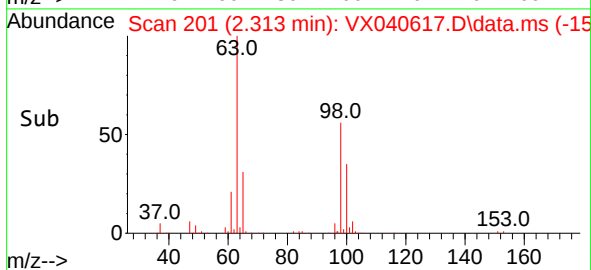
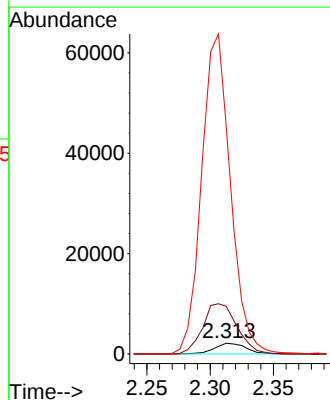
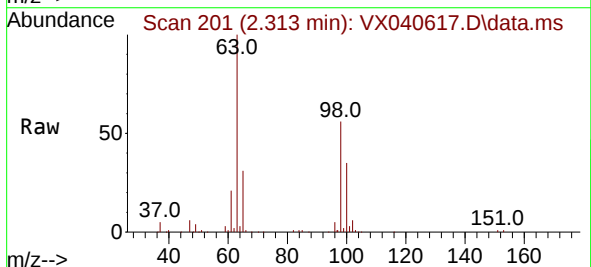
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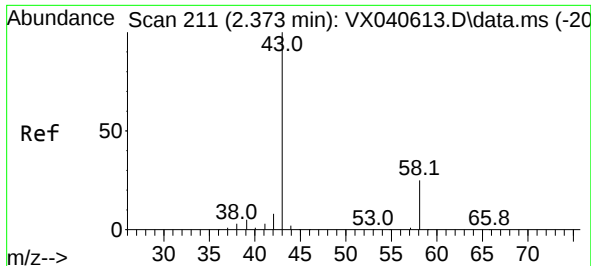
03/11/2024



#12
1,1-Dichloroethene
Concen: 3.703 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 96 Resp: 3671
Ion Ratio Lower Upper
96 100
61 447.1 134.8 250.4#
63 2145.9 92.5 171.9#





#13

Acetone

Concen: 5.667 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.007 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

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ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

58 28.9 0.0 54.6

Manual Integrations

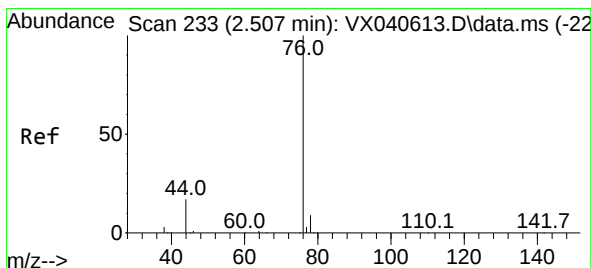
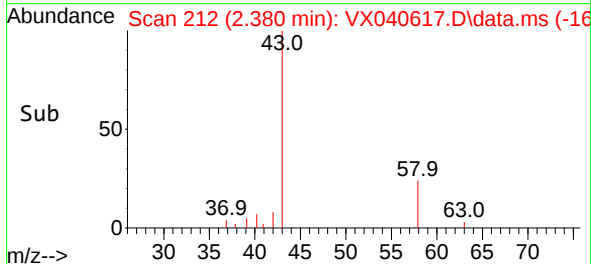
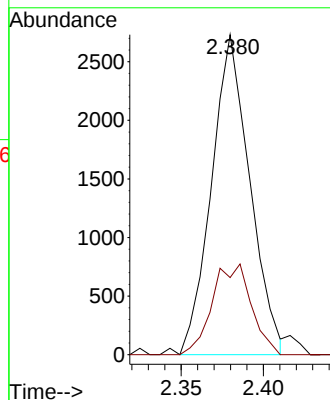
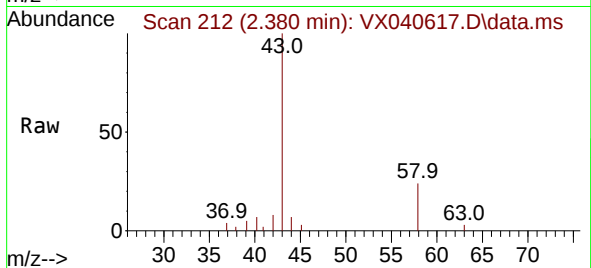
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03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#14

Carbon disulfide

Concen: 2.974 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.007 min

Lab File: VX040617.D

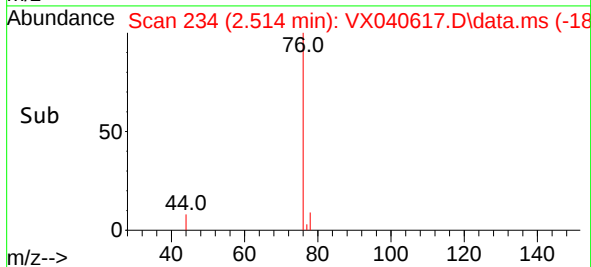
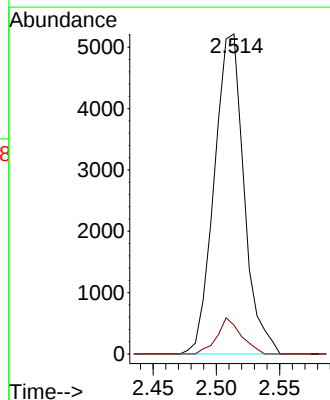
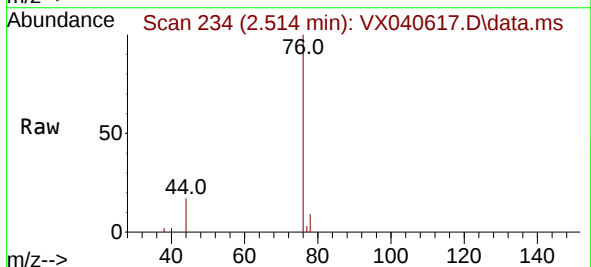
Acq: 07 Mar 2024 13:26

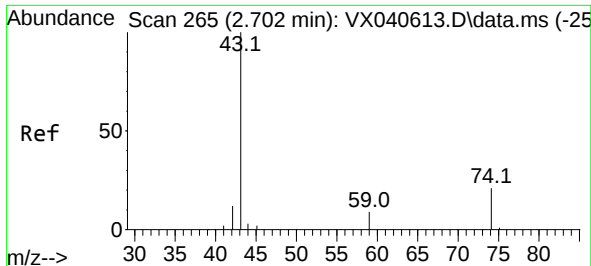
Tgt Ion: 76 Resp: 8532

Ion Ratio Lower Upper

76 100

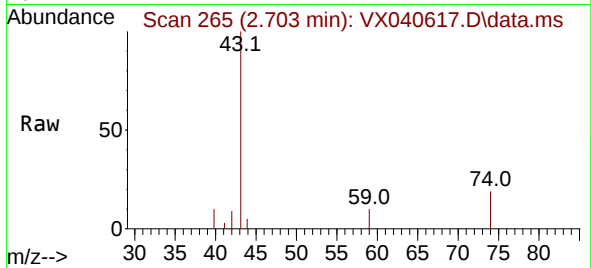
78 9.0 7.2 10.8





#15
Methyl Acetate
Concen: 2.853 ug/L
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02



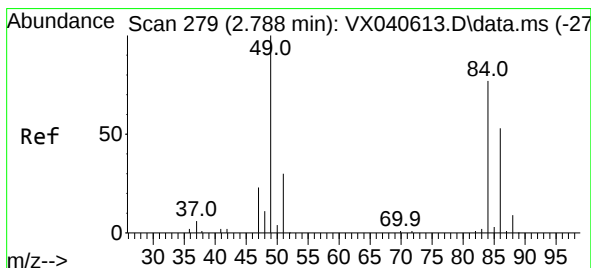
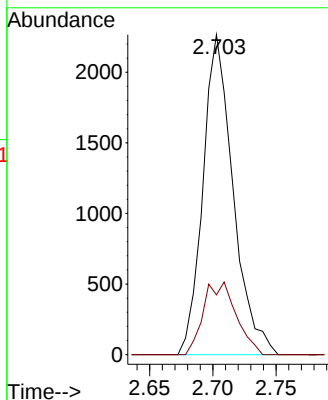
Tgt Ion: 43 Resp: 3762
Ion Ratio Lower Upper
43 100
74 24.6 17.6 26.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

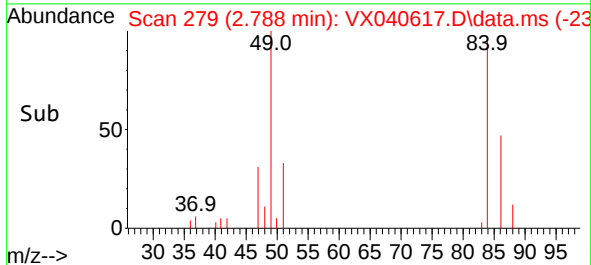
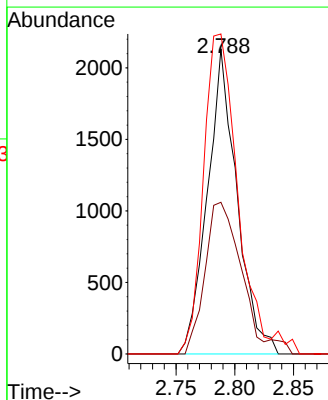
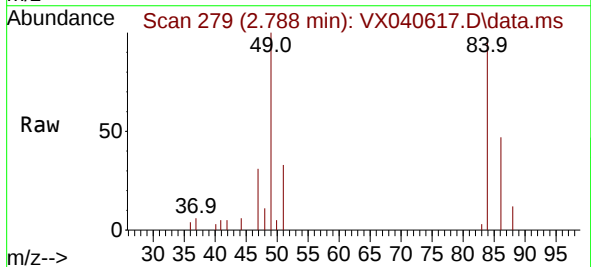
03/08/2024
Supervised By :Semsettin
Yesilyurt

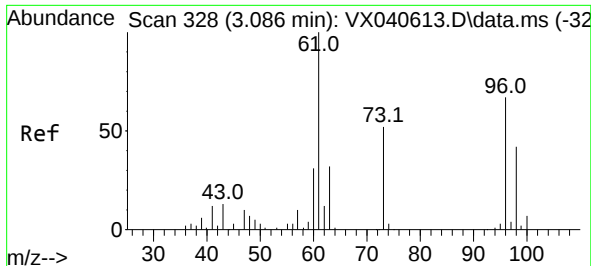
03/11/2024



#16
Methylene chloride
Concen: 3.425 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

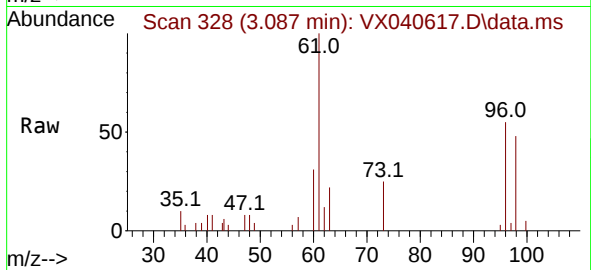
Tgt Ion: 84 Resp: 3739
Ion Ratio Lower Upper
84 100
86 49.7 45.8 85.2
49 104.8 92.6 172.0





#17
trans-1,2-Dichloroethene
Concen: 2.736 ug/L
RT: 3.087 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02



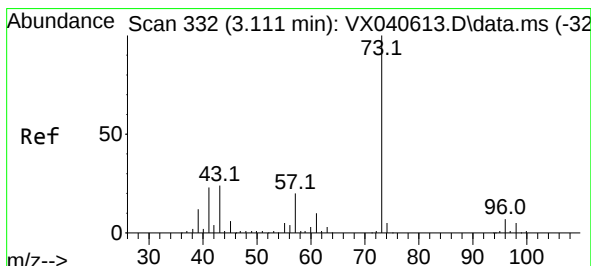
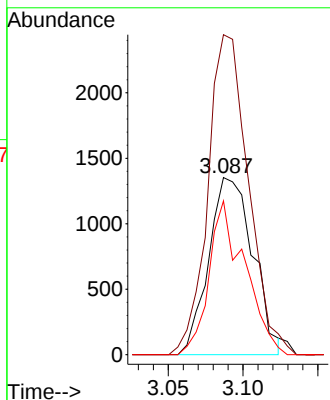
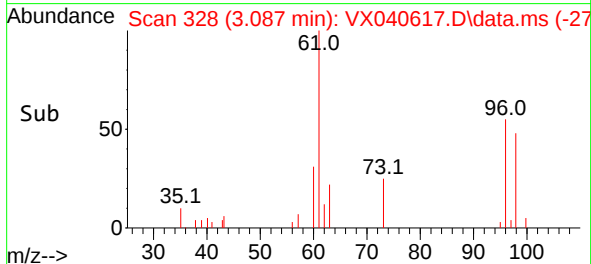
Tgt Ion: 96 Resp: 2784
Ion Ratio Lower Upper
96 100
61 180.6 106.6 198.0
98 86.8 45.1 83.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

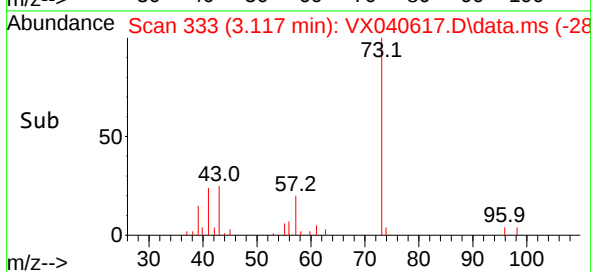
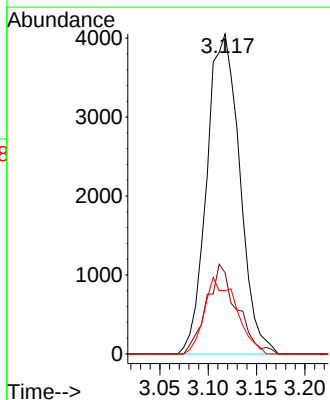
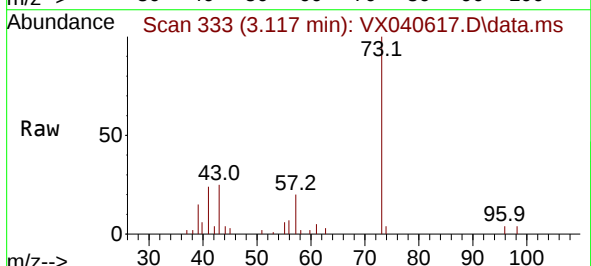
03/08/2024
Supervised By :Semsettin
Yesilyurt

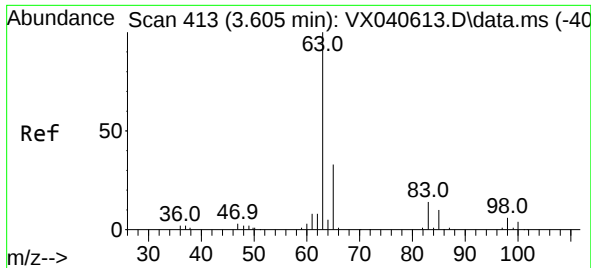
03/11/2024



#18
Methyl tert-butyl Ether
Concen: 2.728 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 73 Resp: 9600
Ion Ratio Lower Upper
73 100
43 25.3 19.3 28.9
57 14.8 17.1 25.7





#19
1,1-Dichloroethane
Concen: 2.923 ug/L
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

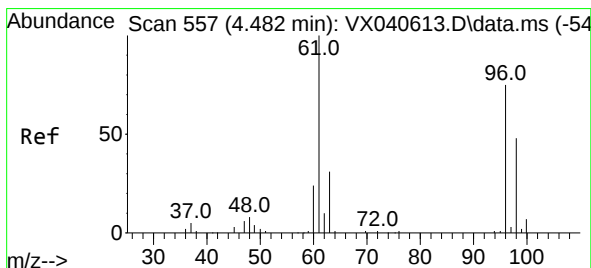
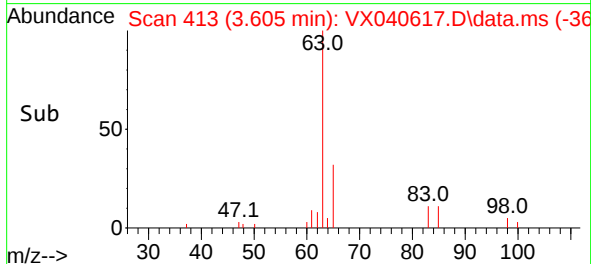
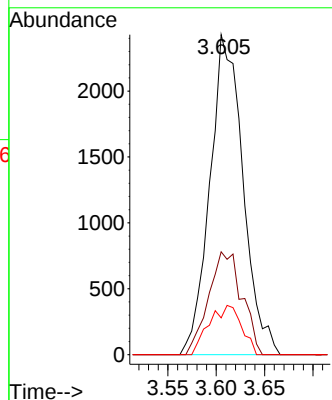
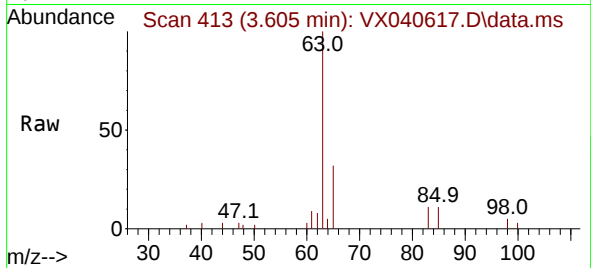
Tgt Ion: 63	Resp: 5780
Ion Ratio	Lower Upper
63	100
65	32.2 23.1 42.9
83	11.5 9.9 18.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

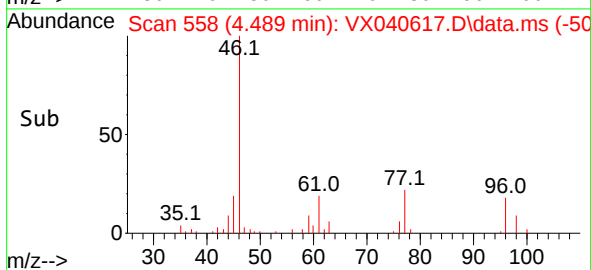
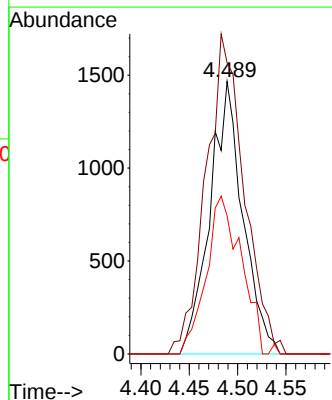
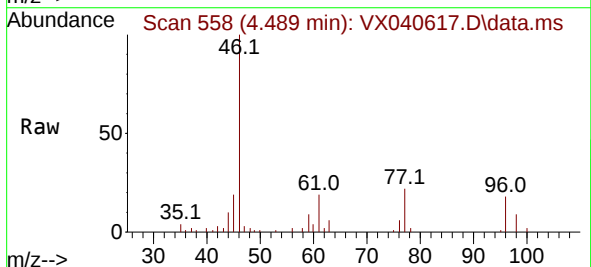
03/08/2024
Supervised By :Semsettin
Yesilyurt

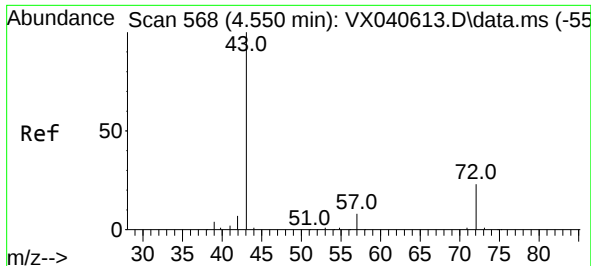
03/11/2024



#20
cis-1,2-Dichloroethene
Concen: 3.043 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 96	Resp: 3473
Ion Ratio	Lower Upper
96	100
61	106.9 93.0 172.8
98	50.8 42.4 78.6





#22

2-Butanone

Concen: 5.396 ug/L

RT: 4.568 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion: 43 Resp: 558

Ion Ratio Lower Upper

43 100

72 21.0 12.4 37.2

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Manual Integrations

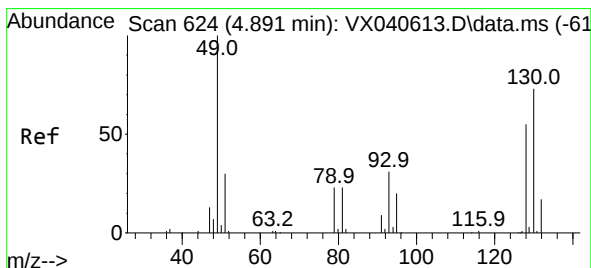
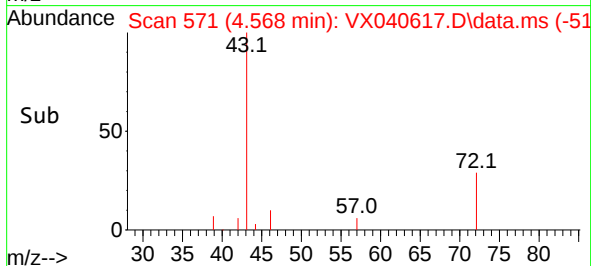
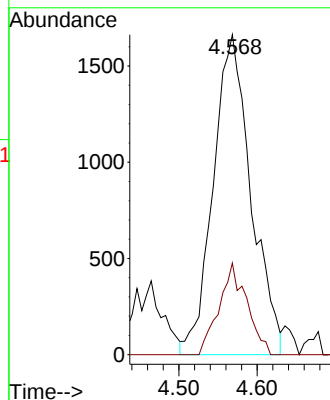
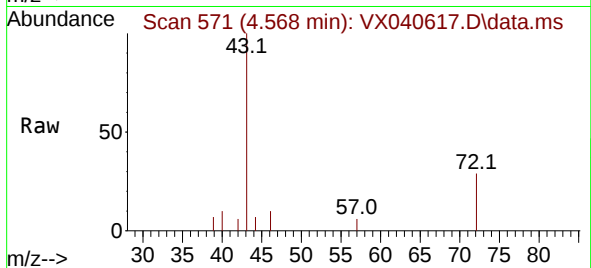
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#23

Bromochloromethane

Concen: 3.015 ug/L

RT: 4.898 min Scan# 625

Delta R.T. 0.007 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion:128 Resp: 1755

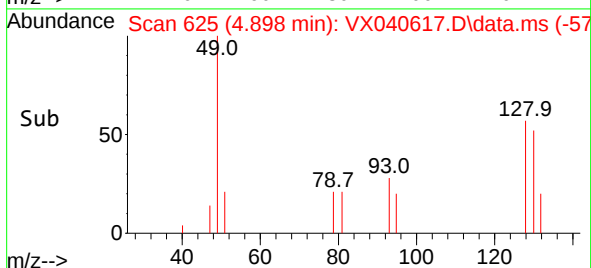
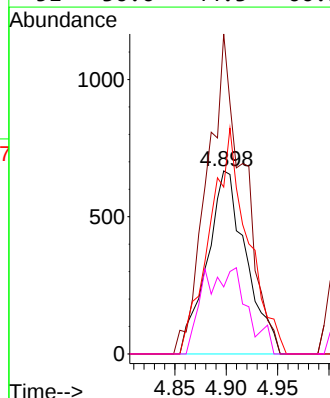
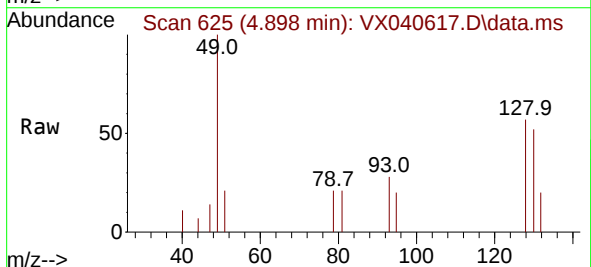
Ion Ratio Lower Upper

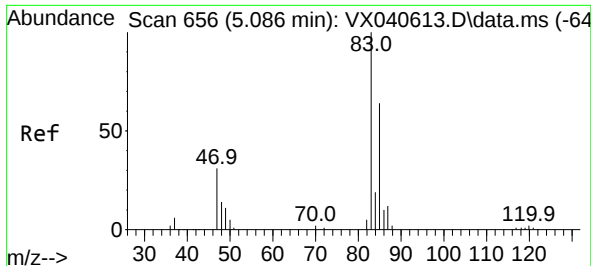
128 100

49 174.8 118.1 219.3

130 91.2 89.4 166.0

51 36.6 44.3 66.5#





#25

Chloroform

Concen: 4.470 ug/L

RT: 5.087 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion: 83 Resp: 9974
Ion Ratio Lower Upper
83 100
85 71.2 45.4 84.4

Manual Integrations

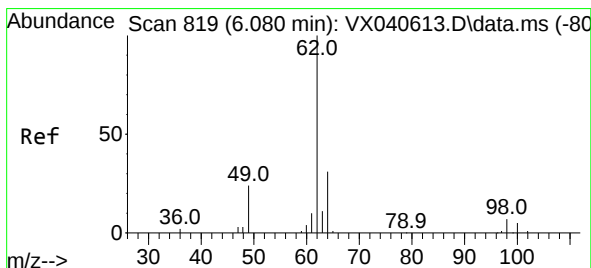
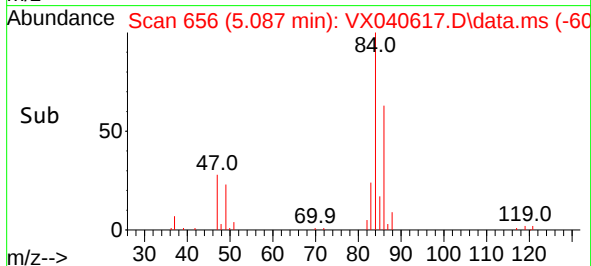
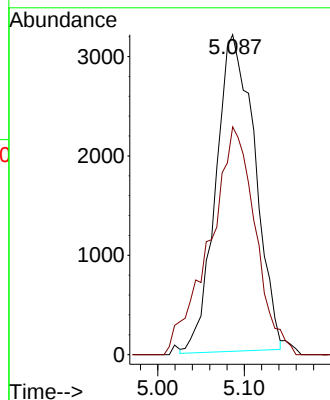
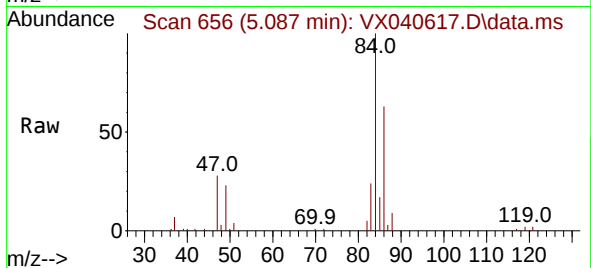
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#27

1,2-Dichloroethane

Concen: 3.104 ug/L

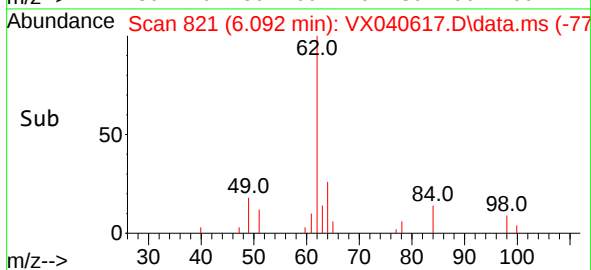
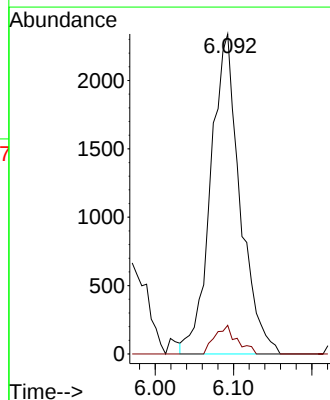
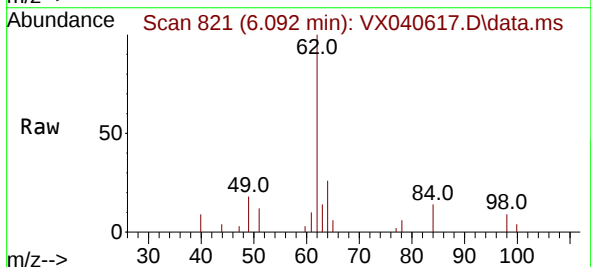
RT: 6.092 min Scan# 821

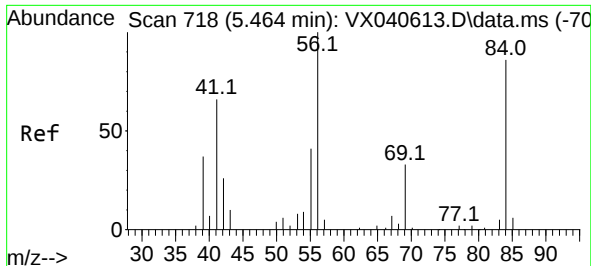
Delta R.T. 0.013 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion: 62 Resp: 6086
Ion Ratio Lower Upper
62 100
98 9.0 5.8 8.6#





#29

Cyclohexane

Concen: 3.163 ug/L

RT: 5.471 min Scan# 718

Delta R.T. 0.007 min

Lab File: VX040617.D

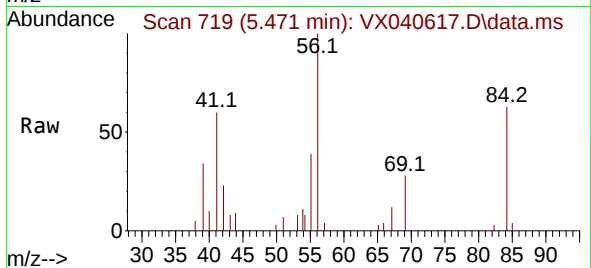
Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02



Tgt Ion: 56 Resp: 5098

Ion	Ratio	Lower	Upper
56	100		
69	9.2	25.0	37.4
84	35.4	70.6	105.8

Manual Integrations

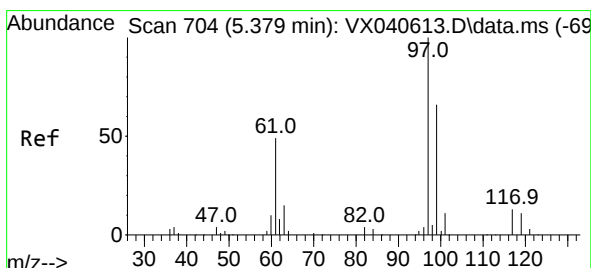
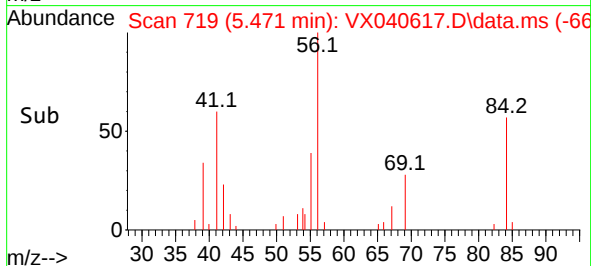
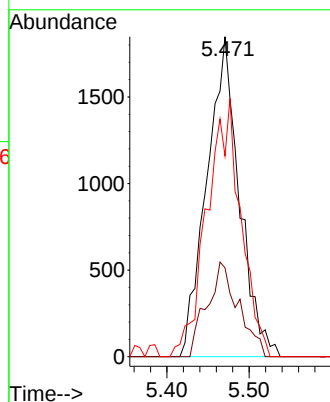
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#30

1,1,1-Trichloroethane

Concen: 2.935 ug/L m

RT: 5.385 min Scan# 705

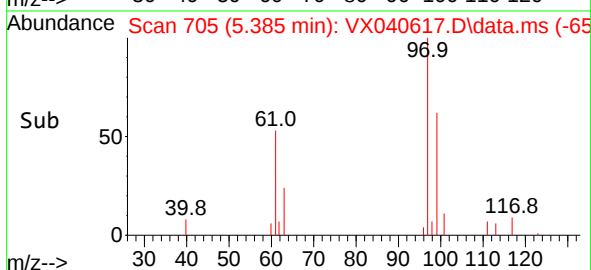
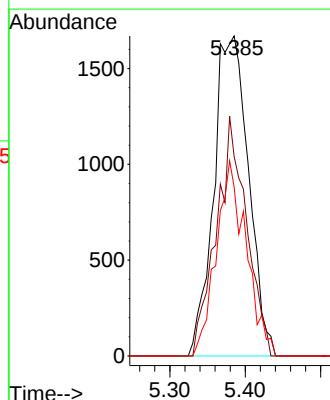
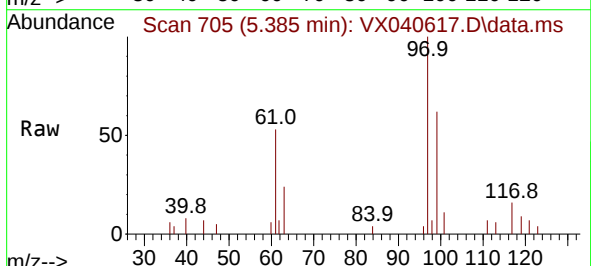
Delta R.T. 0.007 min

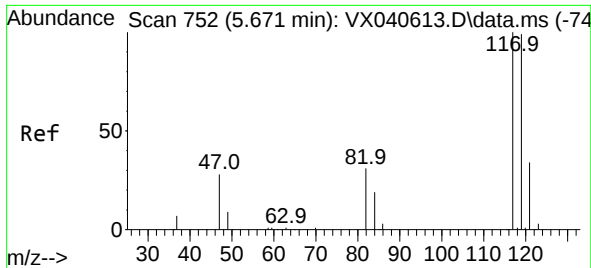
Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion: 97 Resp: 5361

Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	52.4	38.3	57.5





#31
Carbon tetrachloride
Concen: 2.981 ug/L
RT: 5.672 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

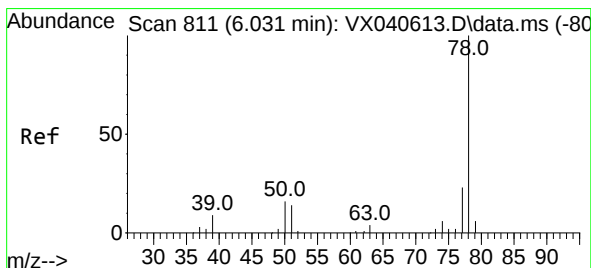
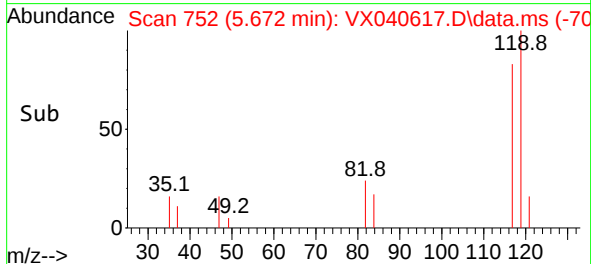
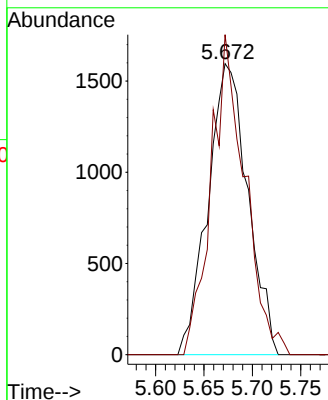
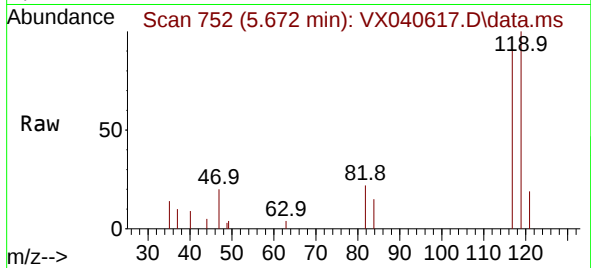
Tgt Ion:117 Resp: 457
Ion Ratio Lower Upper
117 100
119 91.6 75.4 113.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

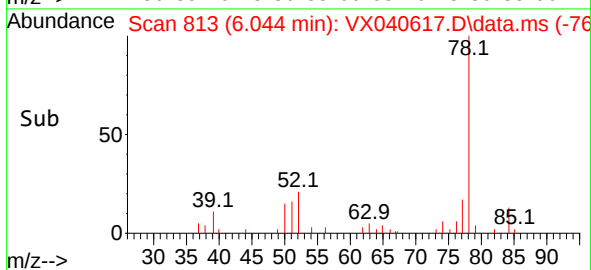
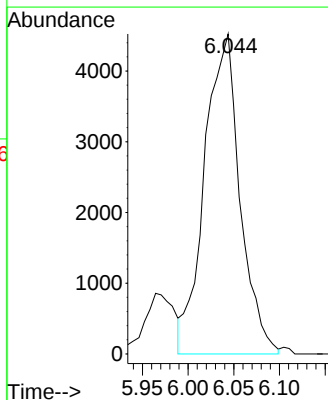
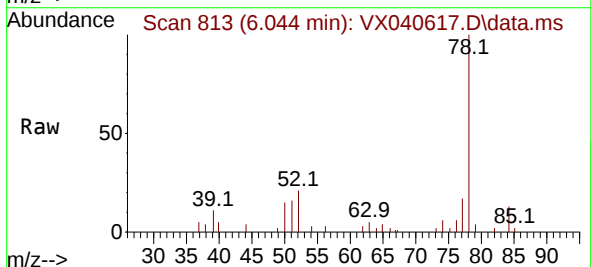
03/08/2024
Supervised By :Semsettin
Yesilyurt

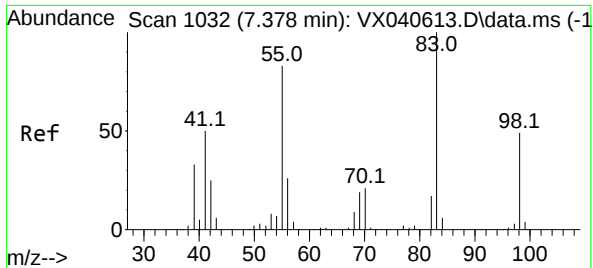
03/11/2024



#33
Benzene
Concen: 3.098 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.013 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

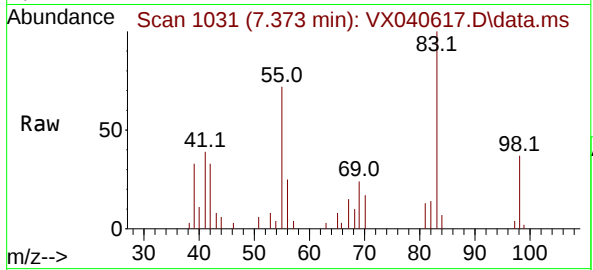
Tgt Ion: 78 Resp: 12205





#35
Methylcyclohexane
Concen: 2.900 ug/L
RT: 7.373 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02



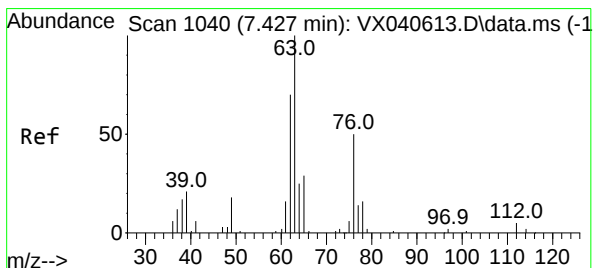
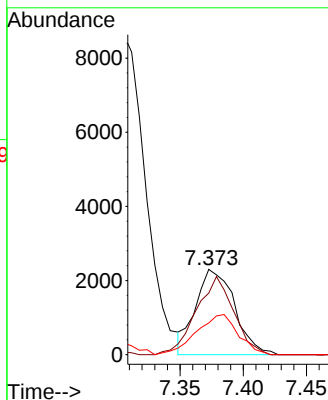
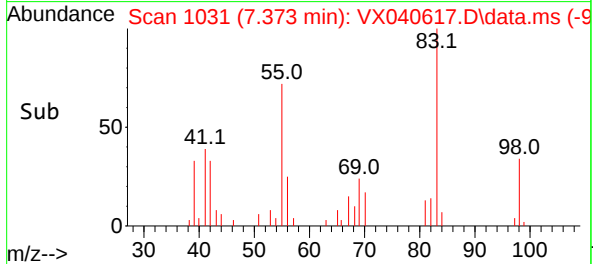
Tgt Ion: 83 Resp: 4929
Ion Ratio Lower Upper
83 100
55 88.3 62.6 94.0
98 50.3 37.4 56.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

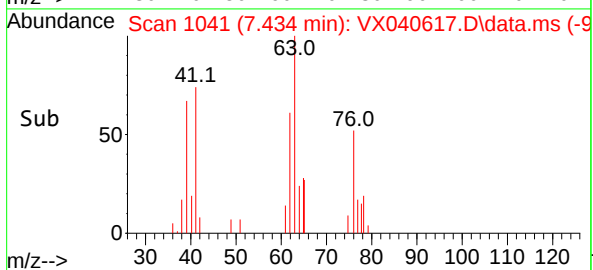
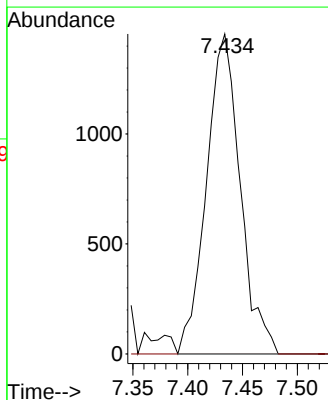
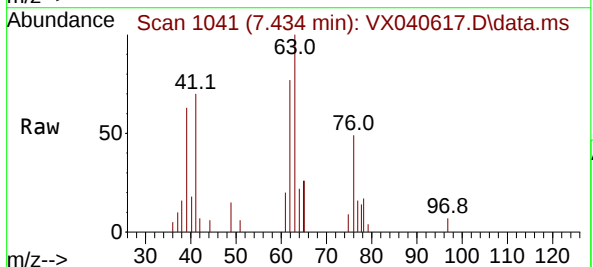
03/08/2024
Supervised By :Semsettin
Yesilyurt

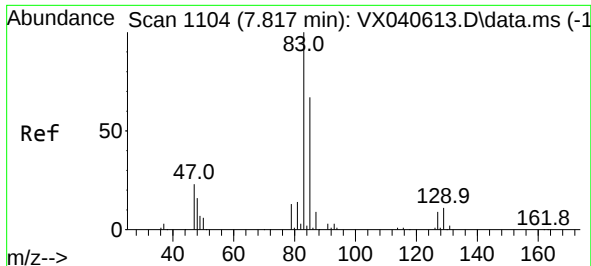
03/11/2024



#37
1,2-Dichloropropane
Concen: 2.984 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

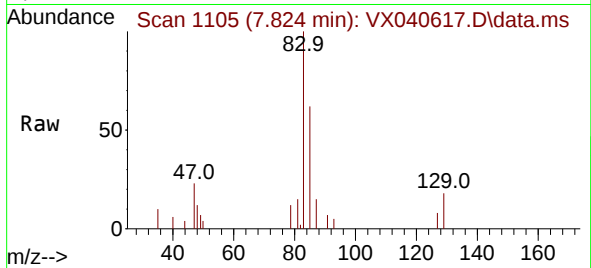
Tgt Ion: 63 Resp: 3113
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38
Bromodichloromethane
Concen: 2.900 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02



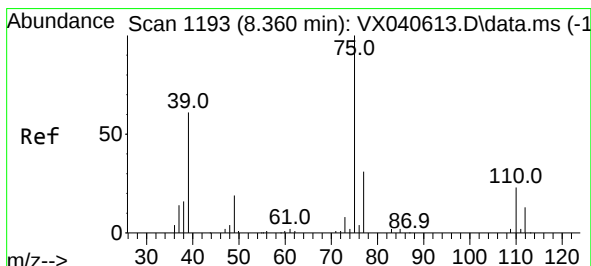
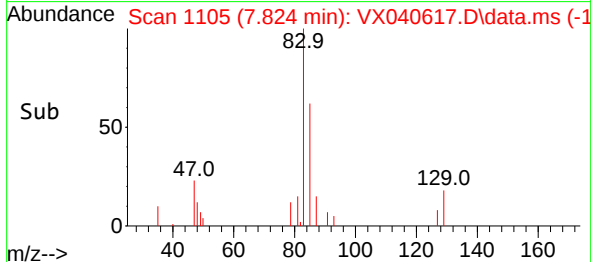
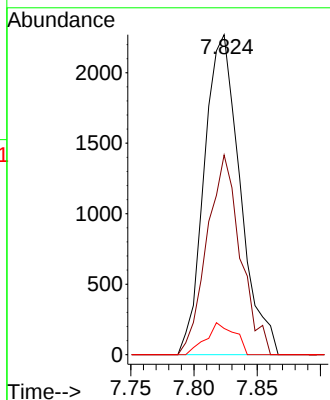
Tgt Ion: 83 Resp: 447
Ion Ratio Lower Upper
83 100
85 62.4 42.8 79.4
127 8.2 6.5 9.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

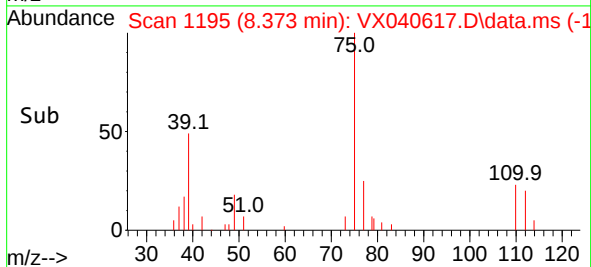
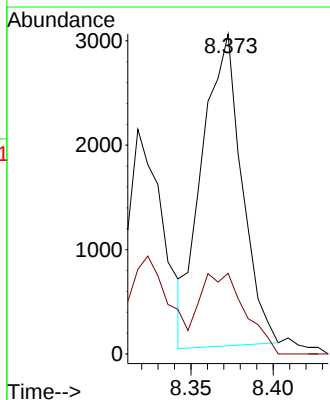
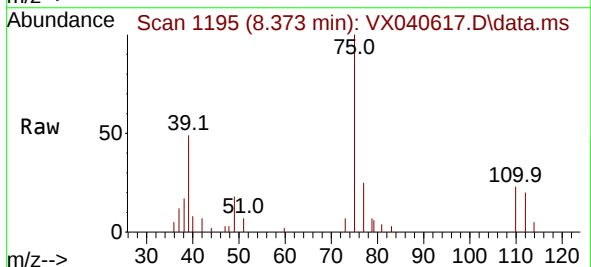
03/08/2024
Supervised By :Semsettin
Yesilyurt

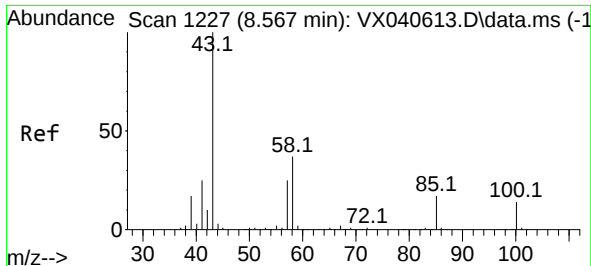
03/11/2024



#39
cis-1,3-Dichloropropene
Concen: 2.858 ug/L
RT: 8.373 min Scan# 1195
Delta R.T. 0.013 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 75 Resp: 5020
Ion Ratio Lower Upper
75 100
77 25.2 21.1 39.3





#40

4-Methyl-2-pentanone

Concen: 5.483 ug/L

RT: 8.574 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion: 43 Resp: 9800

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.3	43.9
100	14.5	10.7	16.1

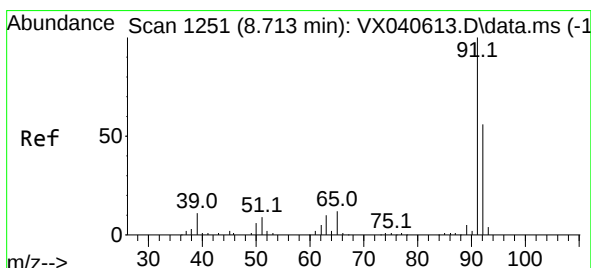
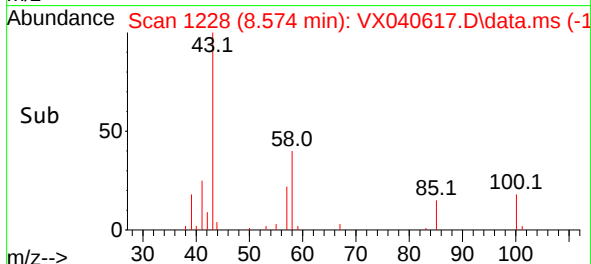
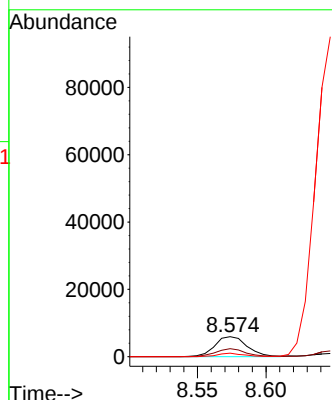
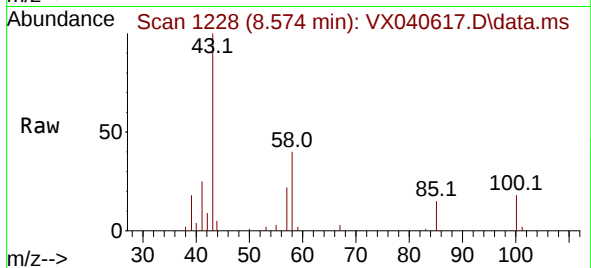
Manual Integrations

APPROVED

Reviewed By :John
Carlone

03/08/2024
Supervised By :Semsettin
Yesilyurt

03/11/2024



#42

Toluene

Concen: 3.160 ug/L

RT: 8.714 min Scan# 1251

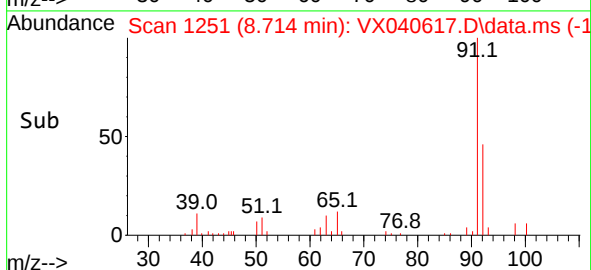
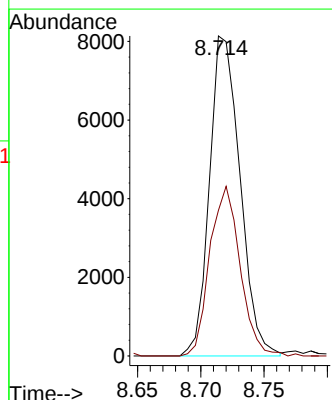
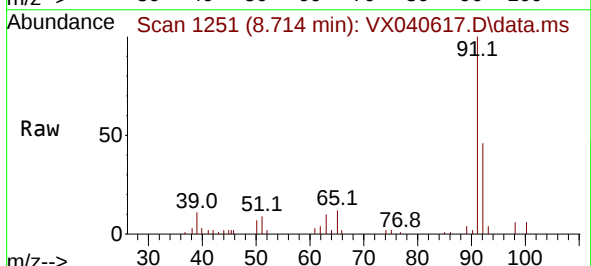
Delta R.T. 0.000 min

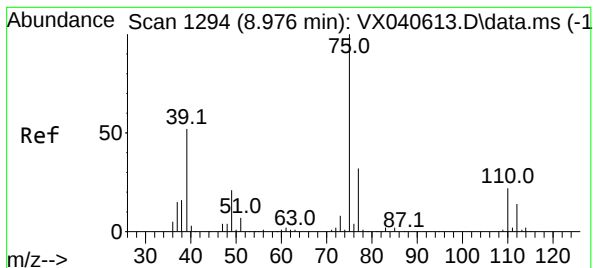
Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion: 91 Resp: 13661

Ion	Ratio	Lower	Upper
91	100		
92	45.5	40.2	74.6





#44

trans-1,3-Dichloropropene

Concen: 2.739 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion: 75 Resp: 4680

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

Manual Integrations

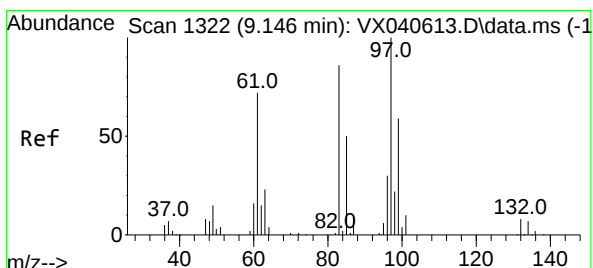
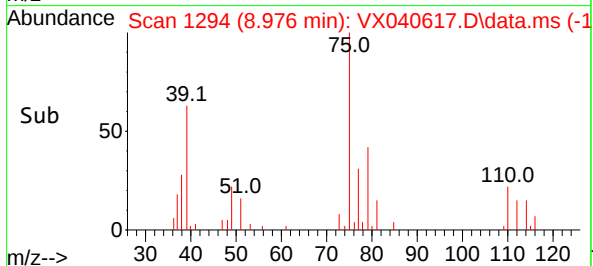
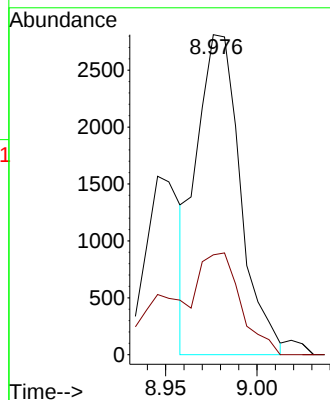
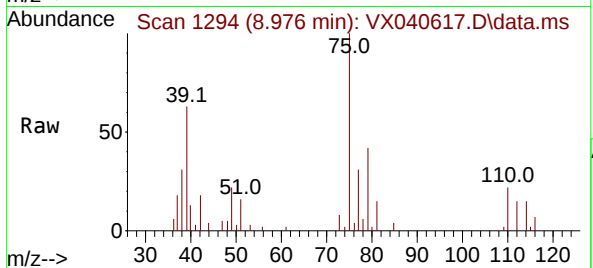
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#45

1,1,2-Trichloroethane

Concen: 2.948 ug/L

RT: 9.159 min Scan# 1324

Delta R.T. 0.013 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Tgt Ion: 97 Resp: 3175

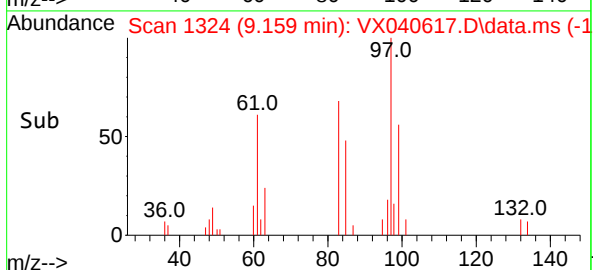
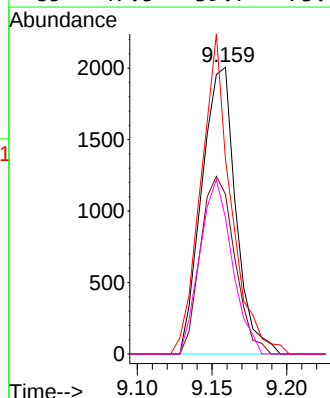
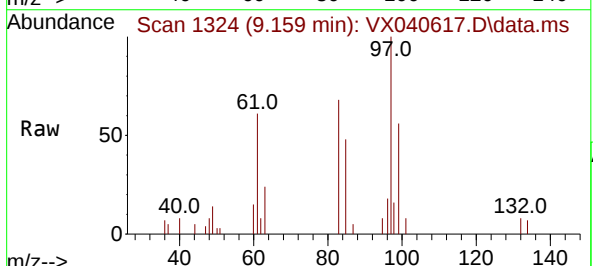
Ion Ratio Lower Upper

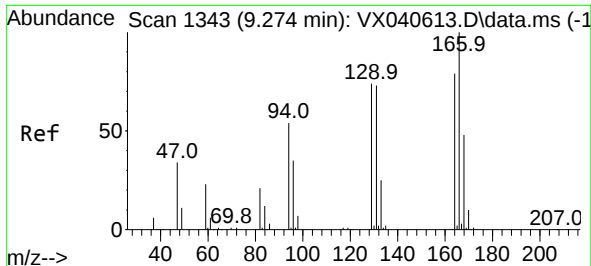
97 100

99 55.7 42.6 79.0

83 67.8 59.2 110.0

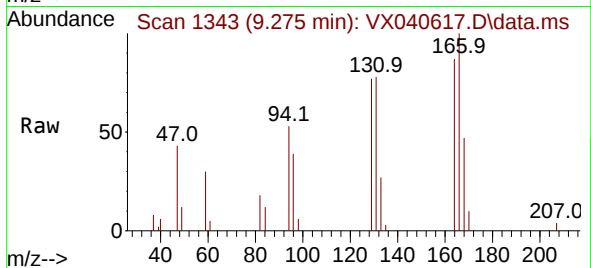
85 47.5 39.7 73.7





#46
Tetrachloroethene
Concen: 3.319 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02



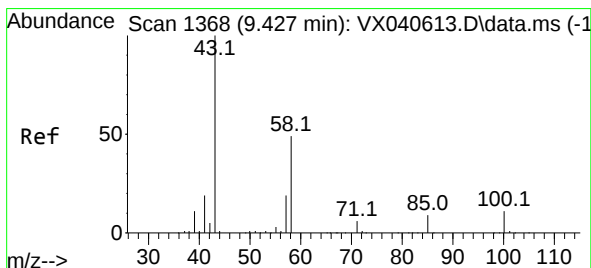
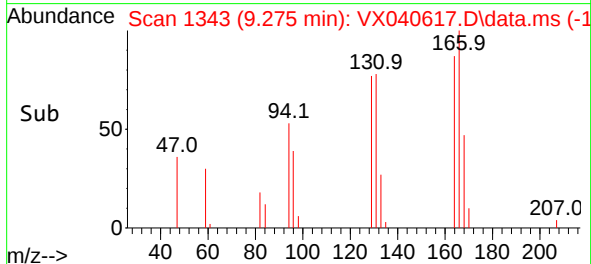
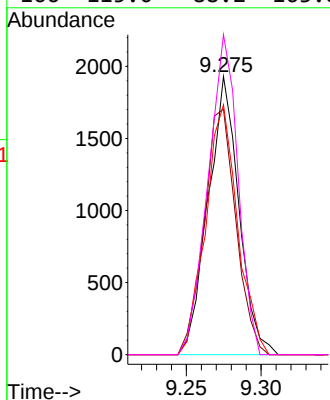
Tgt Ion:164 Resp: 2772
Ion Ratio Lower Upper
164 100
129 88.3 67.8 126.0
131 89.8 67.8 126.0
166 115.0 88.2 163.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

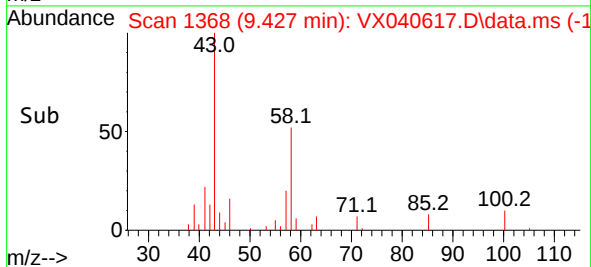
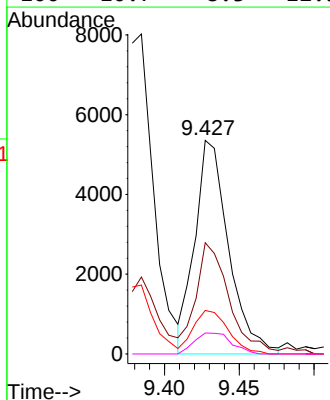
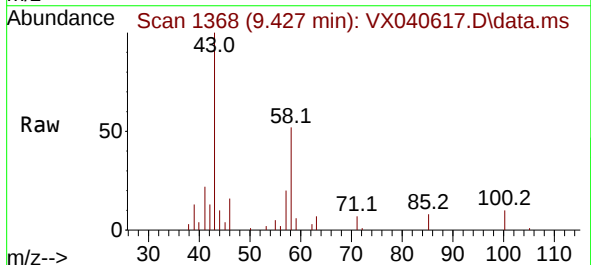
03/08/2024
Supervised By :Semsettin
Yesilyurt

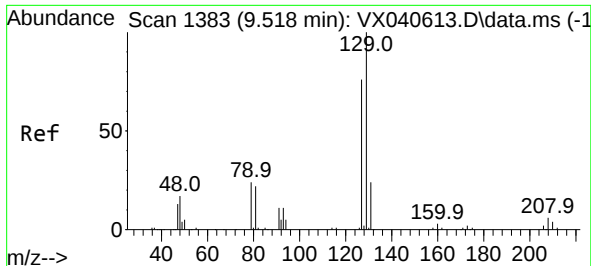
03/11/2024



#48
2-Hexanone
Concen: 5.697 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 43 Resp: 8442
Ion Ratio Lower Upper
43 100
58 51.1 41.0 61.6
57 21.2 14.8 22.2
100 10.7 8.3 12.5





#49

Dibromochloromethane

Concen: 2.890 ug/L

RT: 9.525 min Scan# 1383

Delta R.T. 0.007 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion:129 Resp: 325

Ion Ratio Lower Upper

129 100

127 78.0 55.8 103.6

Manual Integrations

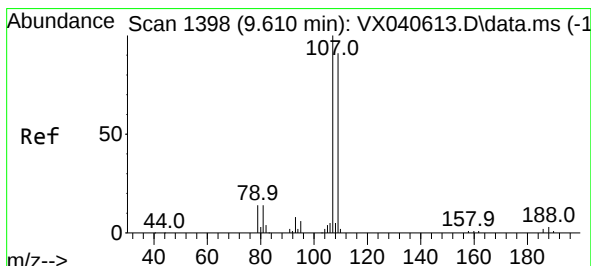
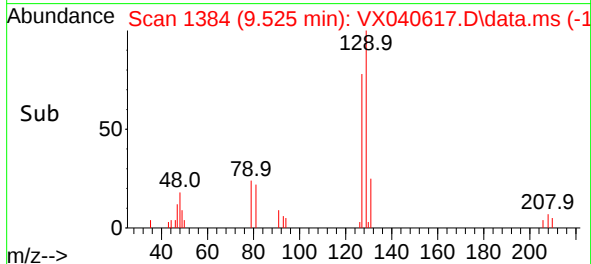
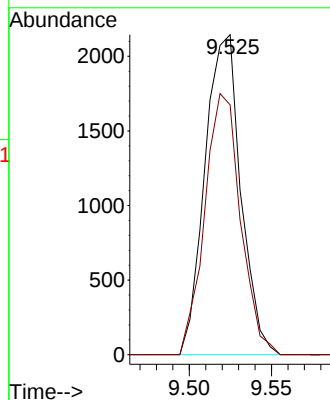
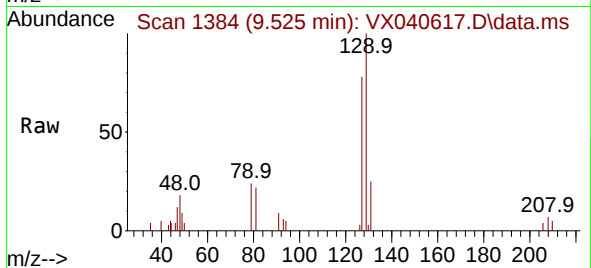
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#50

1,2-Dibromoethane

Concen: 2.962 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

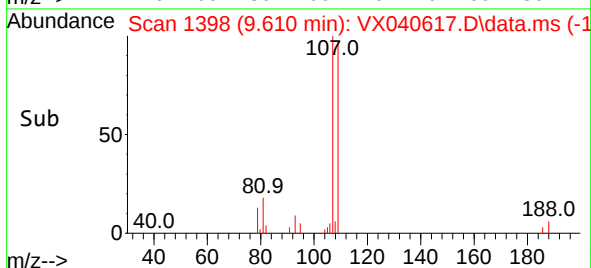
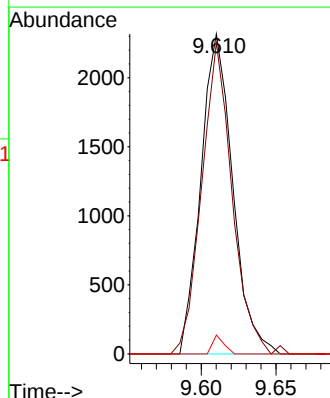
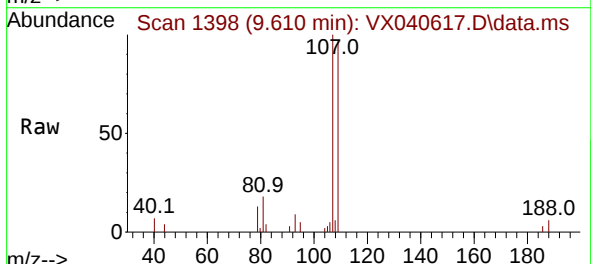
Tgt Ion:107 Resp: 3430

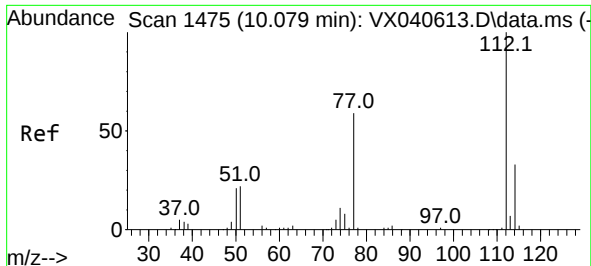
Ion Ratio Lower Upper

107 100

109 97.3 62.9 116.7

188 5.9 2.5 3.7#





#51
Chlorobenzene
Concen: 2.922 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02

Tgt Ion:112 Resp: 818

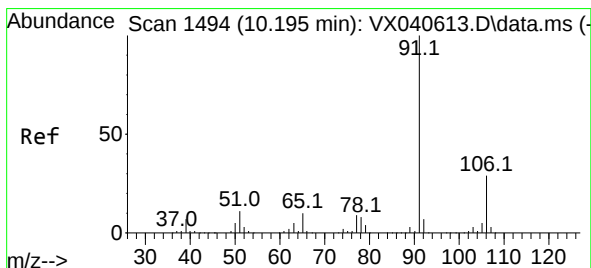
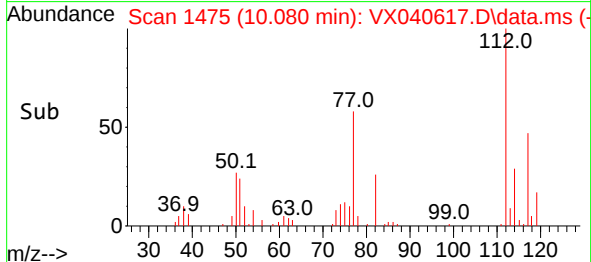
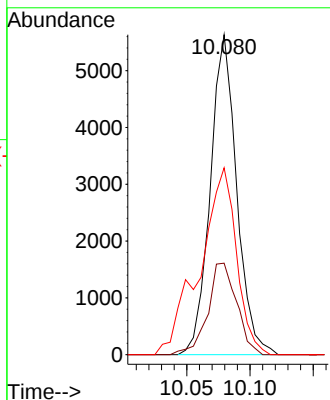
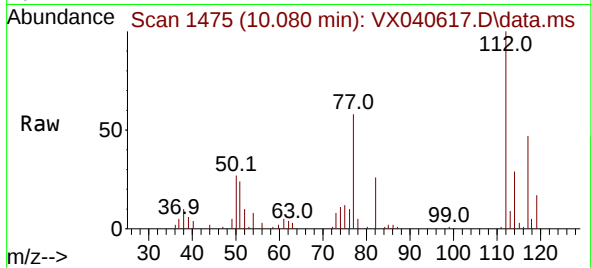
Ion	Ratio	Lower	Upper
112	100		
114	28.6	22.4	41.6
77	58.4	50.6	75.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

03/08/2024
Supervised By :Semsettin
Yesilyurt

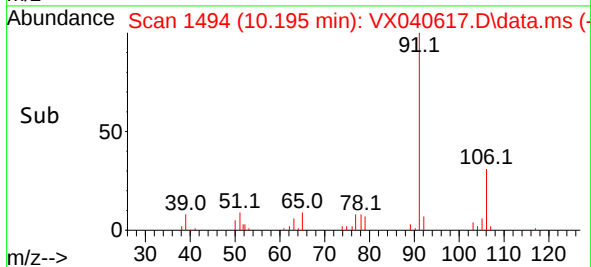
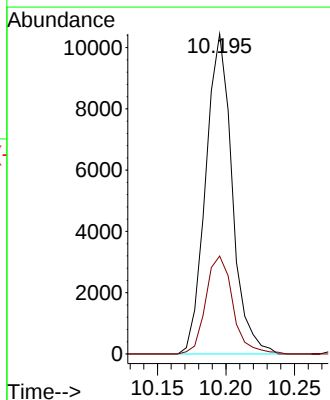
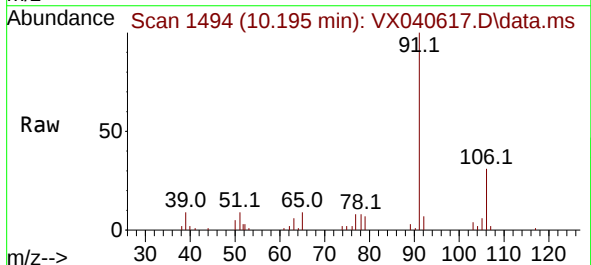
03/11/2024

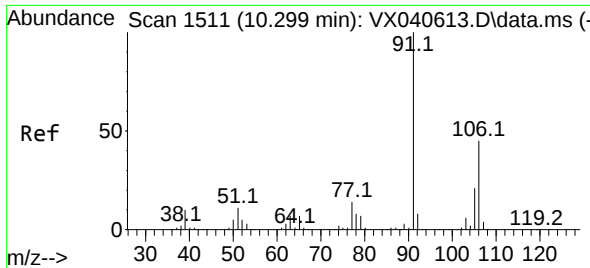


#52
Ethylbenzene
Concen: 2.764 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion: 91 Resp: 14040

Ion	Ratio	Lower	Upper
91	100		
106	30.6	20.6	38.4





#53
m,p-Xylene
Concen: 2.712 ug/L
RT: 10.305 min Scan# 1511
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

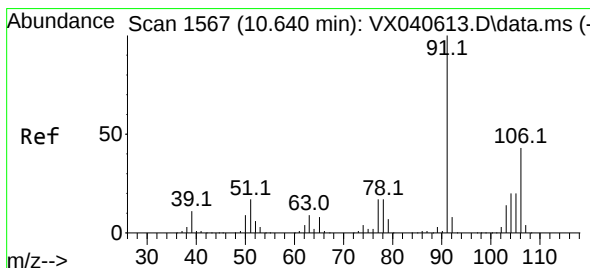
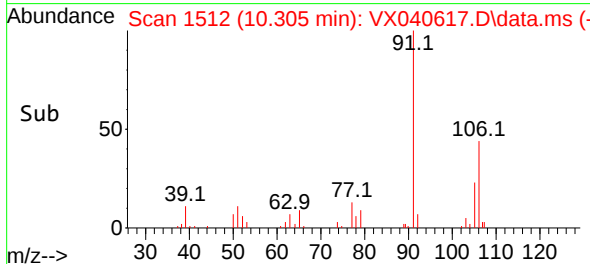
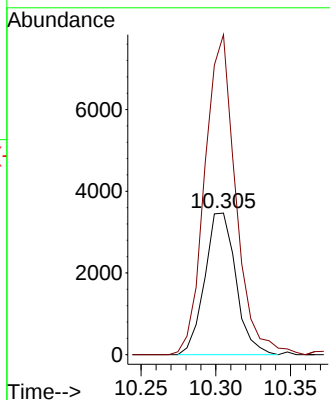
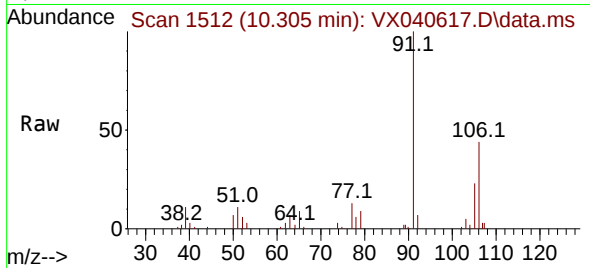
Tgt Ion:106 Resp: 5009
Ion Ratio Lower Upper
106 100
91 225.9 160.4 298.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

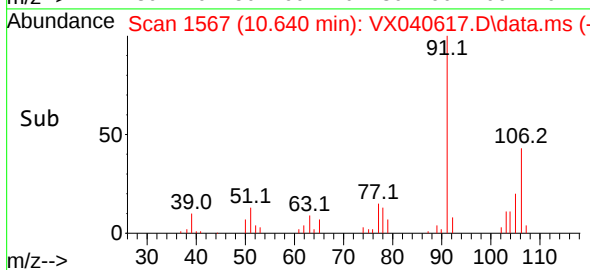
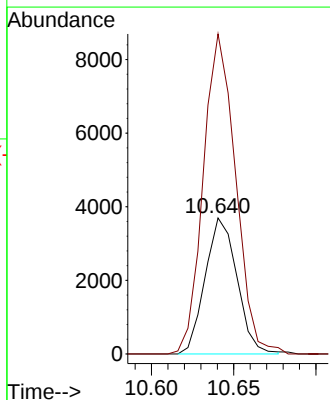
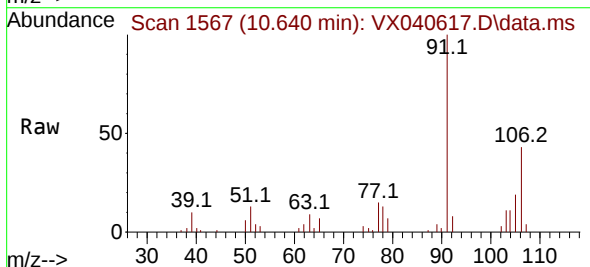
03/08/2024
Supervised By :Semsettin
Yesilyurt

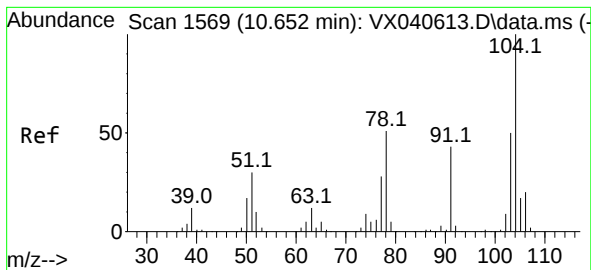
03/11/2024



#54
o-Xylene
Concen: 2.807 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion:106 Resp: 4976
Ion Ratio Lower Upper
106 100
91 235.3 161.7 300.3





#55

Styrene

Concen: 2.834 ug/L

RT: 10.659 min Scan# 1569

Delta R.T. 0.007 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion:104 Resp: 875

Ion Ratio Lower Upper

104 100

78 54.2 37.2 69.0

Manual Integrations

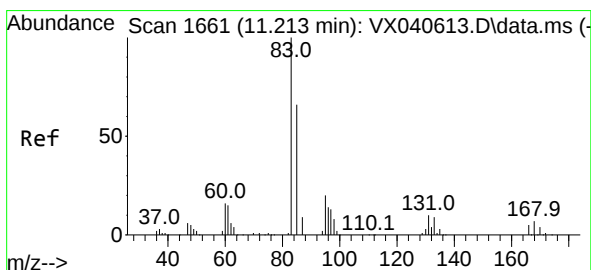
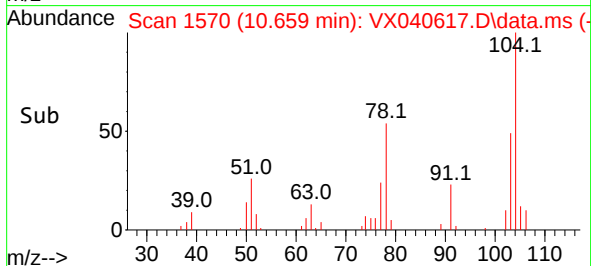
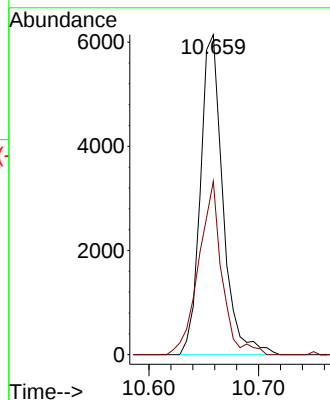
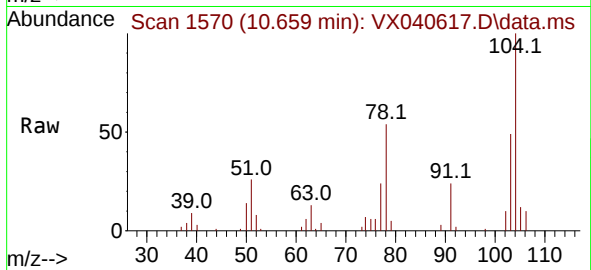
APPROVED

Reviewed By :John
Carlone

03/08/2024

Supervised By :Semsettin
Yesilyurt

03/11/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 3.319 ug/L

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

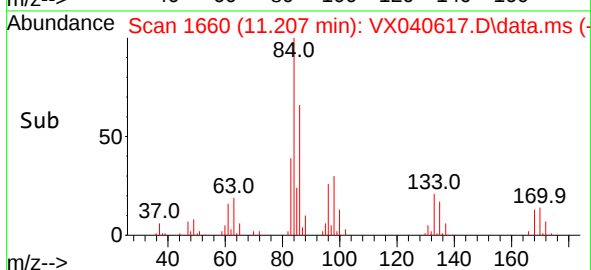
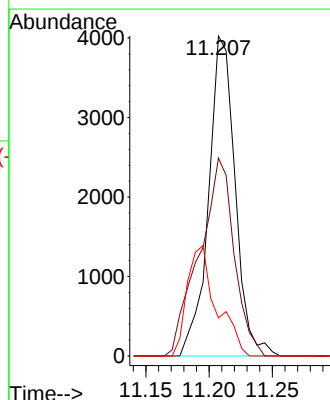
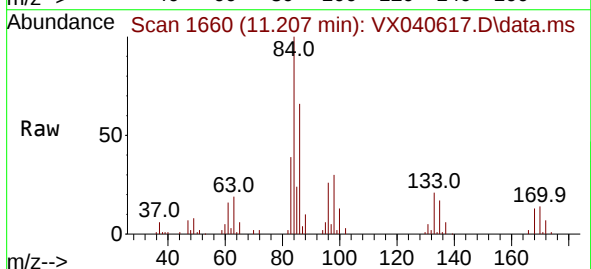
Tgt Ion: 83 Resp: 5890

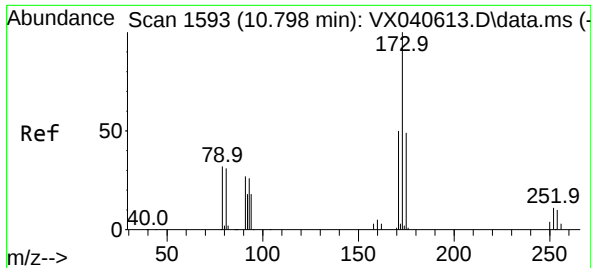
Ion Ratio Lower Upper

83 100

85 61.9 45.2 84.0

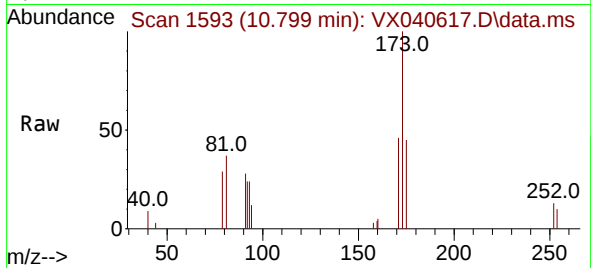
131 11.9 8.2 12.2





#59
Bromoform
Concen: 2.564 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02



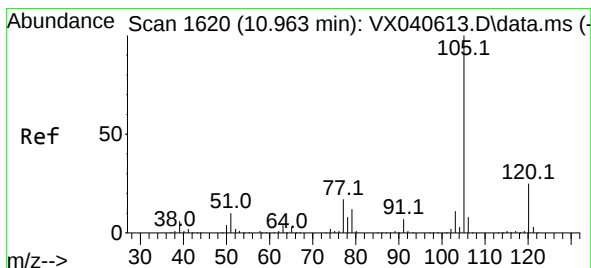
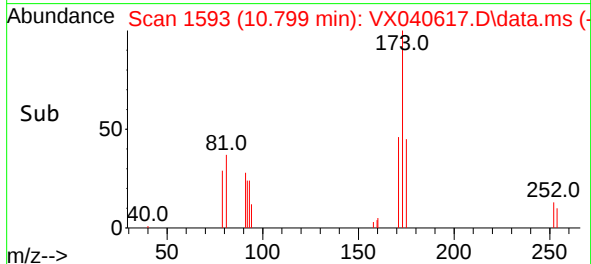
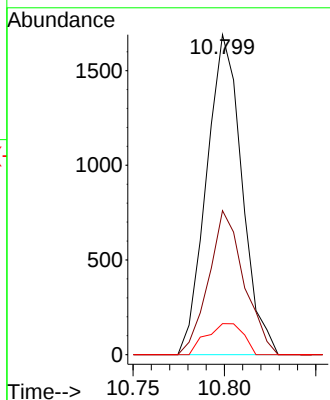
Tgt Ion:173 Resp: 2279
Ion Ratio Lower Upper
173 100
175 44.9 39.4 59.0
254 10.1 7.9 11.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

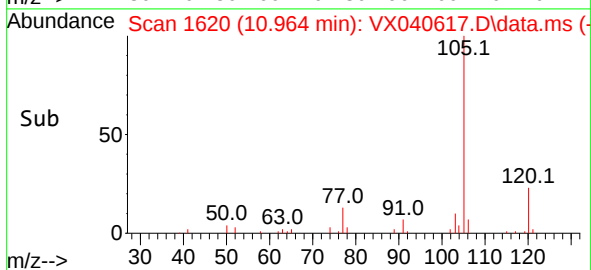
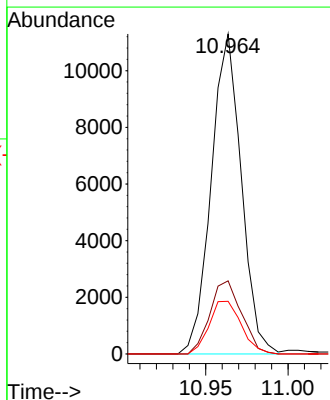
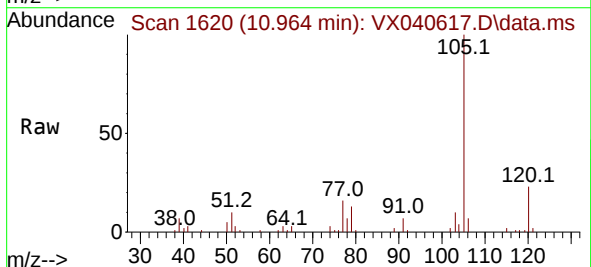
03/08/2024
Supervised By :Semsettin
Yesilyurt

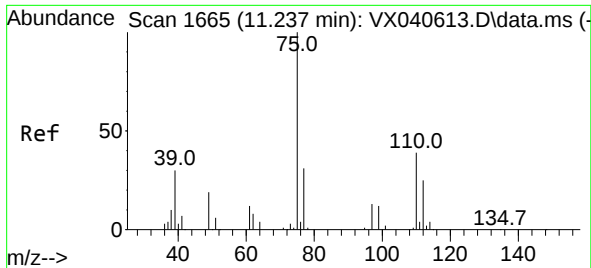
03/11/2024



#60
Isopropylbenzene
Concen: 2.786 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion:105 Resp: 14338
Ion Ratio Lower Upper
105 100
120 24.1 20.1 30.1
77 17.7 13.9 20.9





#61
1,2,3-Trichloropropane
Concen: 2.922 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

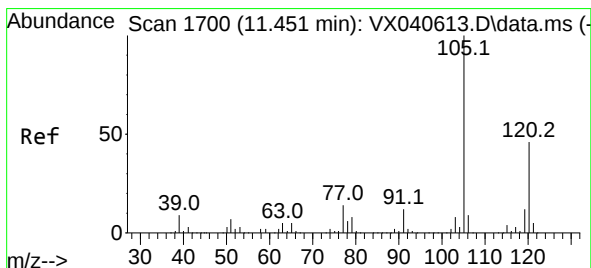
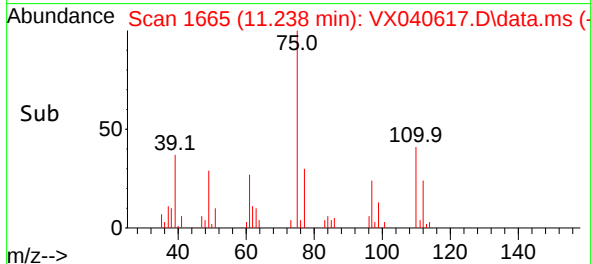
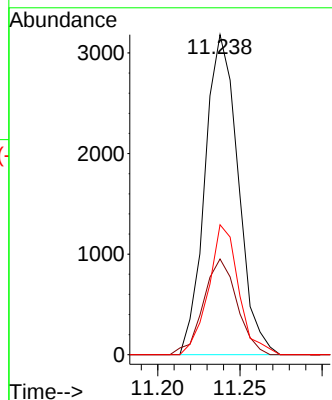
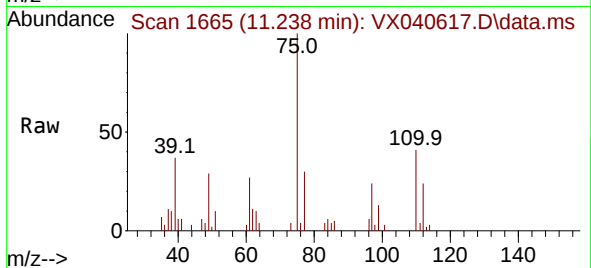
Tgt Ion: 75 Resp: 446
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5
110 36.9 31.0 46.4

Manual Integrations
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Reviewed By :John
Carlone

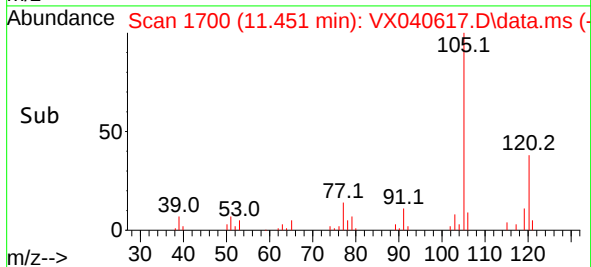
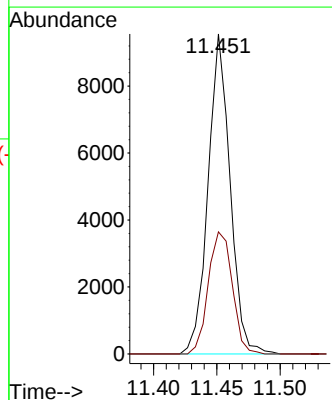
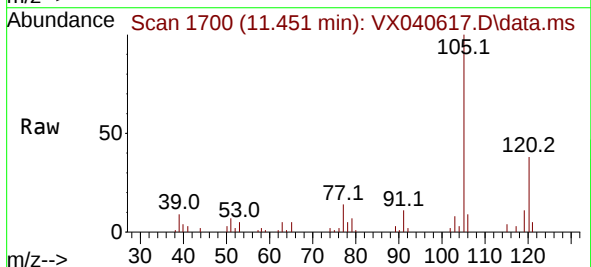
03/08/2024
Supervised By :Semsettin
Yesilyurt

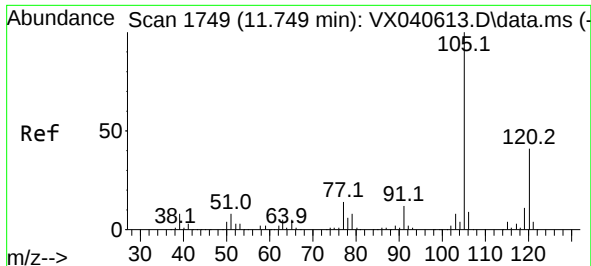
03/11/2024



#62
1,3,5-Trimethylbenzene
Concen: 2.714 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion:105 Resp: 11579
Ion Ratio Lower Upper
105 100
120 41.5 36.2 54.2





#63
1,2,4-Trimethylbenzene
Concen: 2.645 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

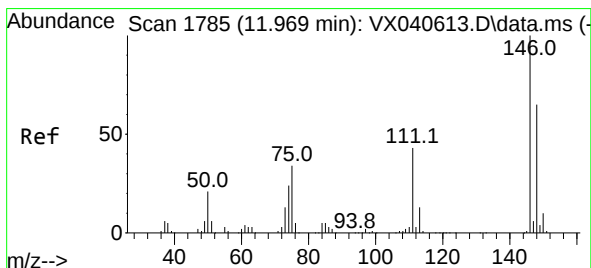
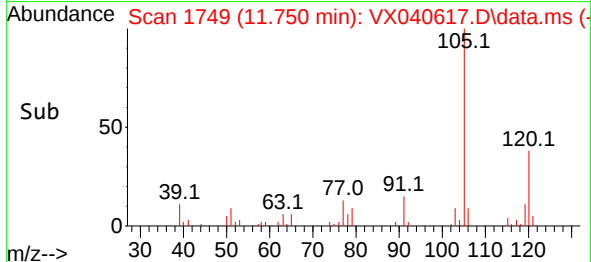
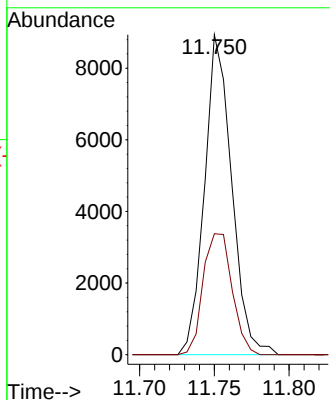
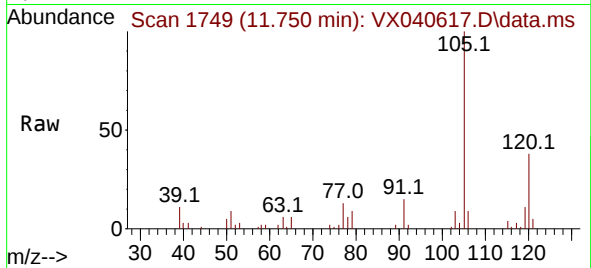
Tgt Ion:105 Resp: 1128
Ion Ratio Lower Upper
105 100
120 40.4 33.9 50.9

Manual Integrations
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Reviewed By :John
Carlone

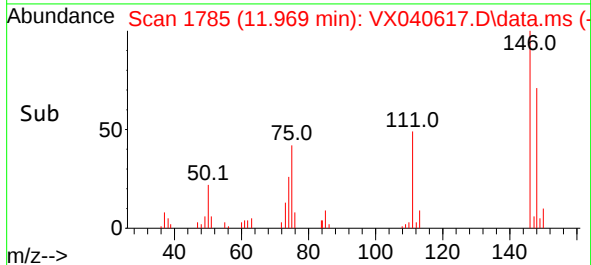
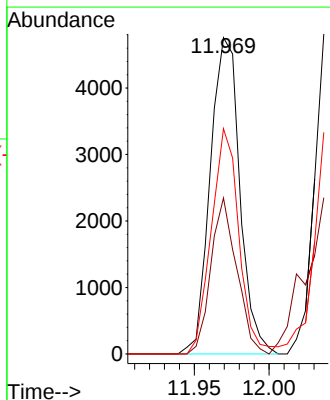
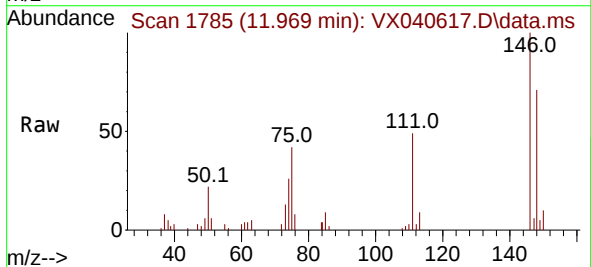
03/08/2024
Supervised By :Semsettin
Yesilyurt

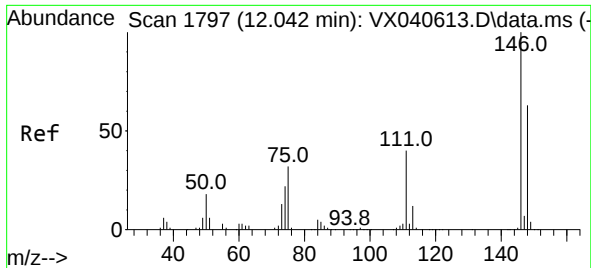
03/11/2024



#64
1,3-Dichlorobenzene
Concen: 2.908 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

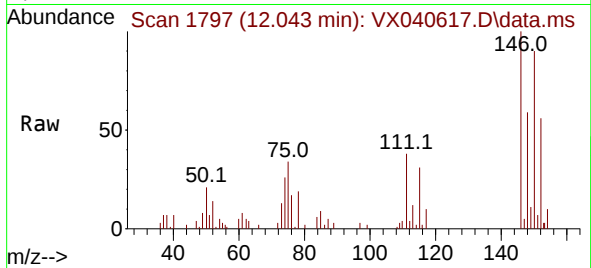
Tgt Ion:146 Resp: 6551
Ion Ratio Lower Upper
146 100
111 49.3 30.0 55.6
148 71.2 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 3.138 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02



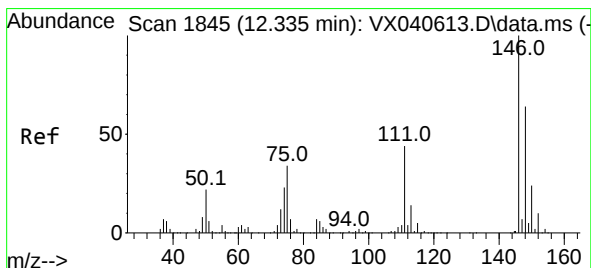
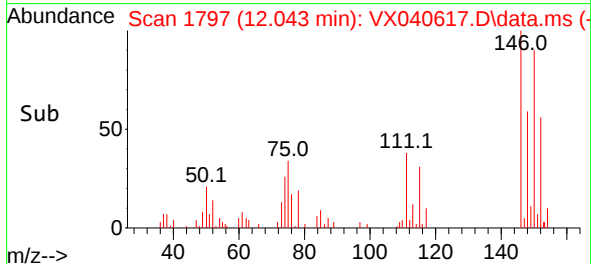
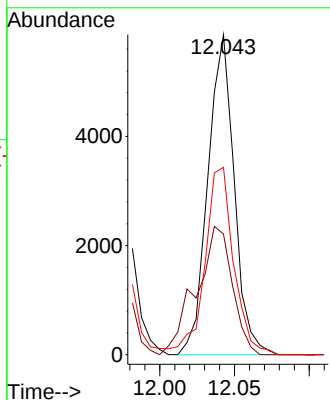
Tgt Ion:146 Resp: 7190
Ion Ratio Lower Upper
146 100
111 37.7 28.8 53.4
148 58.5 45.1 83.7

Manual Integrations
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Reviewed By :John
Carlone

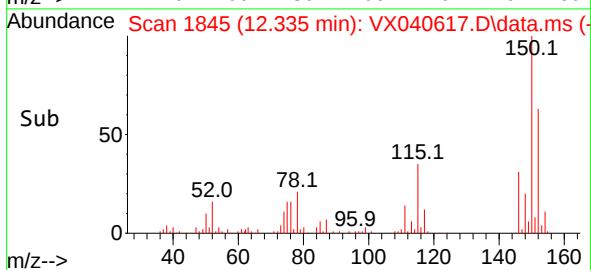
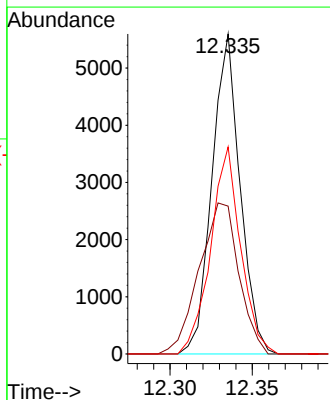
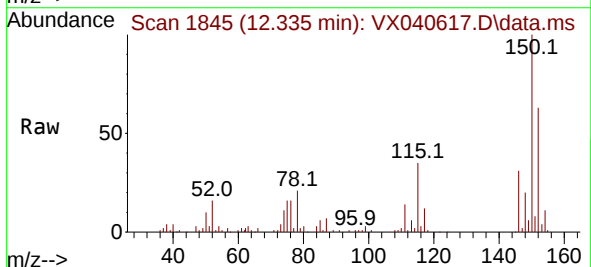
03/08/2024
Supervised By :Semsettin
Yesilyurt

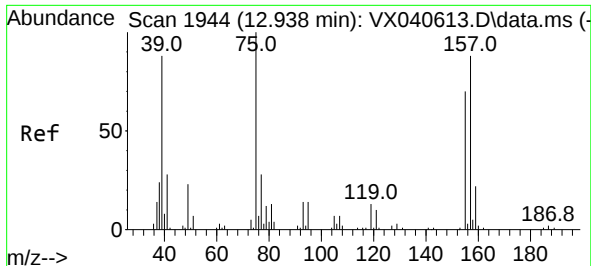
03/11/2024



#67
1,2-Dichlorobenzene
Concen: 3.100 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

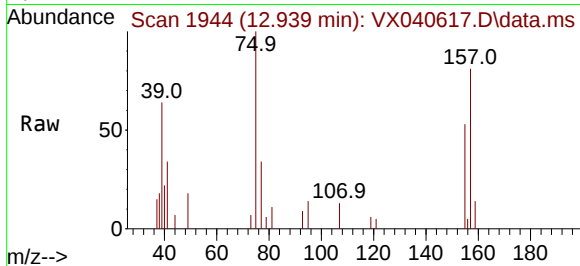
Tgt Ion:146 Resp: 6640
Ion Ratio Lower Upper
146 100
111 46.2 35.8 53.8
148 64.7 51.0 76.4





#68
1,2-Dibromo-3-chloropropane
Concen: 2.407 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2024-02



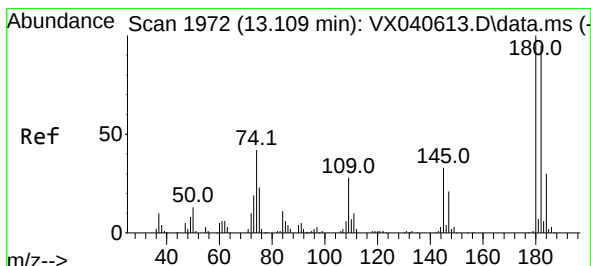
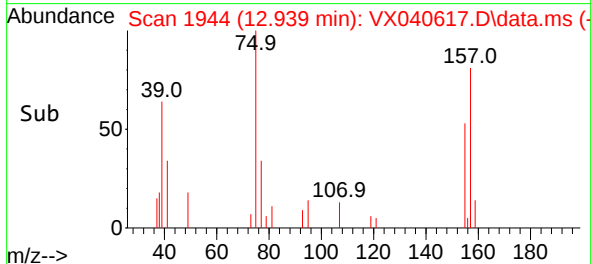
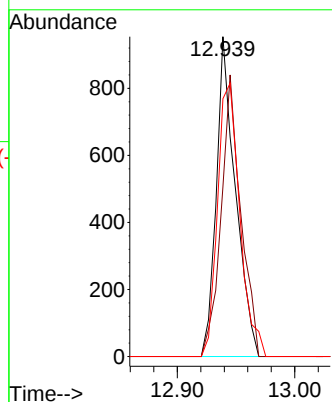
Tgt Ion: 75 Resp: 1070
Ion Ratio Lower Upper
75 100
155 53.0 53.9 80.9
157 80.6 64.5 96.7

Manual Integrations
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Reviewed By :John
Carlone

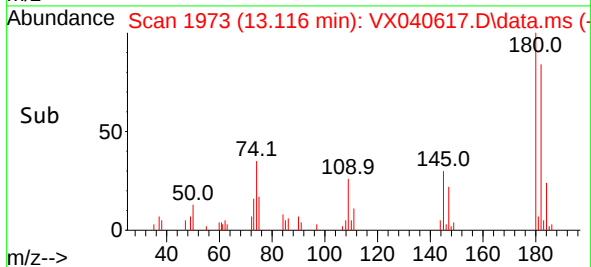
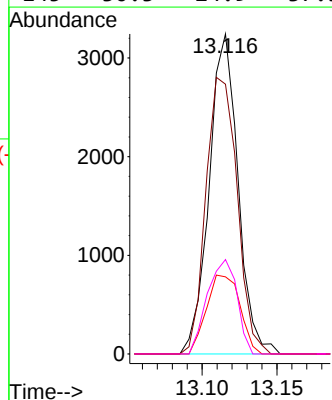
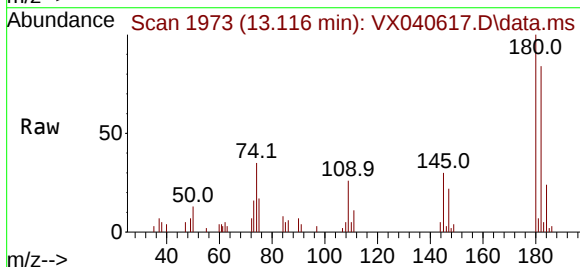
03/08/2024
Supervised By :Semsettin
Yesilyurt

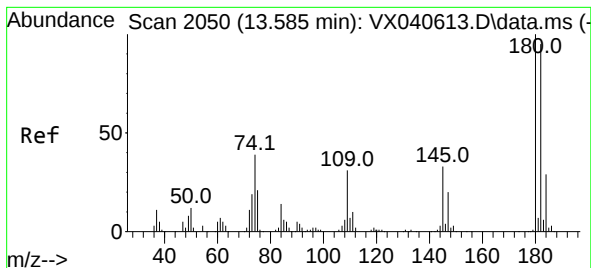
03/11/2024



#69
1,3,5-Trichlorobenzene
Concen: 2.883 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.007 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Tgt Ion:180 Resp: 4360
Ion Ratio Lower Upper
180 100
182 93.4 76.6 115.0
184 28.5 24.3 36.5
145 30.3 24.9 37.3





#70

1,2,4-trichlorobenzene

Concen: 2.665 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2024-02

Tgt Ion:180	Resp:	373
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.1 112.7
145	29.9	26.2 39.4

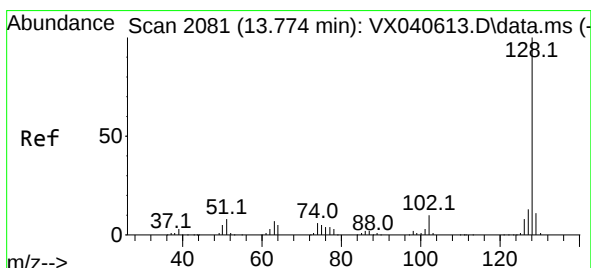
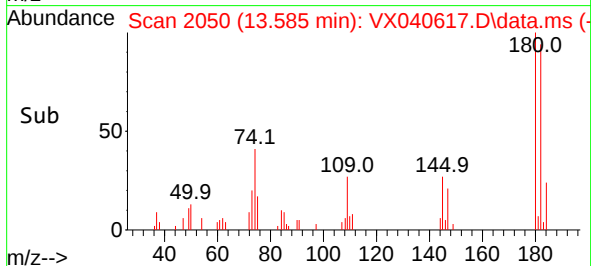
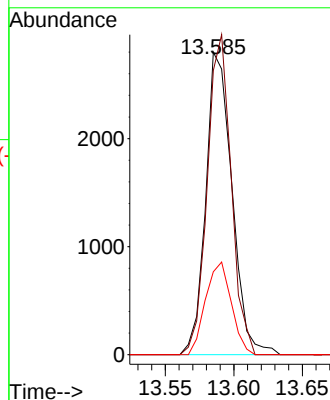
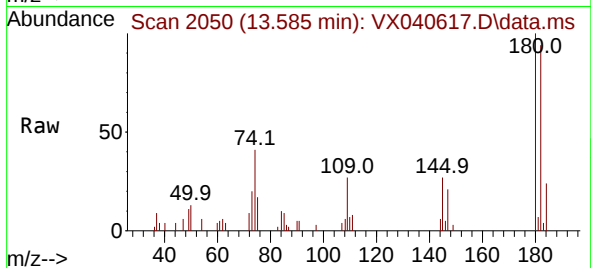
Manual Integrations

APPROVED

Reviewed By :John
Carlone

03/08/2024
Supervised By :Semsettin
Yesilyurt

03/11/2024



#71

Naphthalene

Concen: 2.438 ug/L

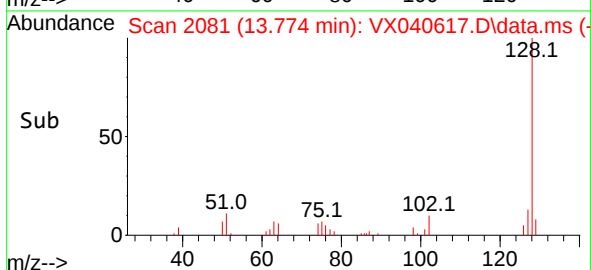
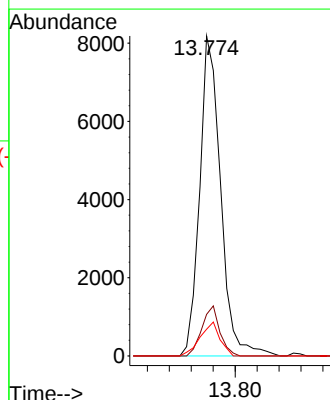
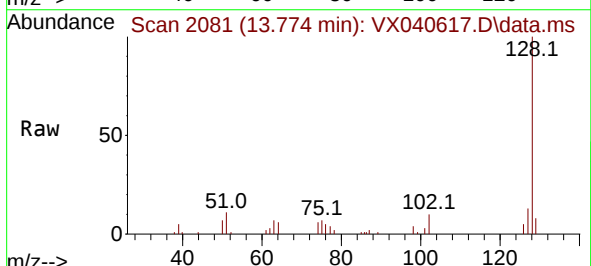
RT: 13.774 min Scan# 2081

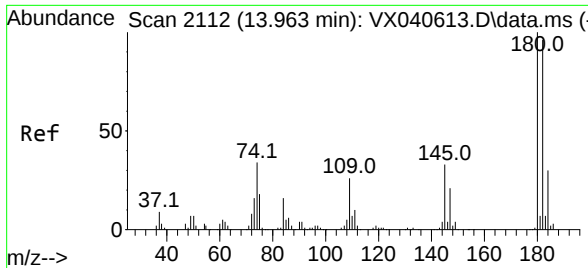
Delta R.T. 0.000 min

Lab File: VX040617.D

Acq: 07 Mar 2024 13:26

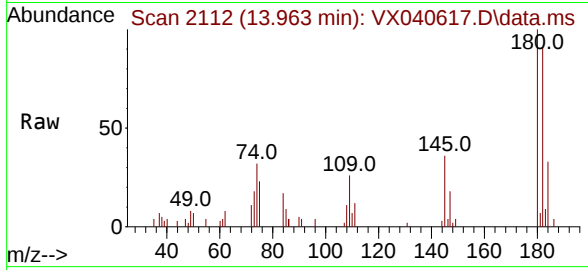
Tgt Ion:128	Resp:	10866
Ion Ratio	Lower	Upper
128	100	
127	13.4	10.4 15.6
129	9.9	8.8 13.2





#72
1,2,3-Trichlorobenzene
Concen: 2.754 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX040617.D
Acq: 07 Mar 2024 13:26

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02



Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.9	115.3
145	33.6	27.8	41.8

Manual Integrations
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Reviewed By :John
Carlone

03/08/2024
Supervised By :Semsettin
Yesilyurt

03/11/2024

