

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
 Data File : VX036514.D
 Acq On : 12 Jul 2023 13:59
 Operator : JC/MD
 Sample : 03573-05 2.5PPB
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 13 01:29:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 01:12:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/13/2023

Supervised By :Semsettin
 Yesilyurt
 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	279772	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	253778	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	125902	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	105956	53.094	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.180%			
7) Chloroethane-d5	1.666	69	94951	43.305	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.620%			
11) 1,1-Dichloroethene-d2	2.306	65	44172	51.876	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.760%			
21) 2-Butanone-d5	4.452	46	150452	107.949	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 107.950%			
24) Chloroform-d	5.056	84	172964	47.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.460%			
26) 1,2-Dichloroethane-d4	5.952	65	125955	50.887	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.780%			
32) Benzene-d6	5.970	84	370568	51.578	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.160%			
36) 1,2-Dichloropropane-d6	7.306	67	119801	52.603	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.200%			
41) Toluene-d8	8.647	98	352213	51.353	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.700%			
43) trans-1,3-Dichloroprop...	8.952	79	52706	48.608	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.220%			
47) 2-Hexanone-d5	9.384	63	111343	111.155	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 111.160%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	162382	54.195	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.380%			
66) 1,2-Dichlorobenzene-d4	12.317	152	127666	53.379	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	5568	2.853	ug/L	93
3) Chloromethane	1.294	50	6451	2.796	ug/L	93
5) Vinyl chloride	1.374	62	6936	2.898	ug/L #	81
6) Bromomethane	1.611	94	6010	2.658	ug/L	94
8) Chloroethane	1.685	64	4356	2.486	ug/L	98
9) Trichlorofluoromethane	1.886	101	10428	2.754	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6345	3.538	ug/L #	86
12) 1,1-Dichloroethene	2.313	96	6213	3.542	ug/L #	1
13) Acetone	2.380	43	5419	5.127	ug/L	99
14) Carbon disulfide	2.514	76	12786	2.718	ug/L	97
15) Methyl Acetate	2.703	43	5550	2.641	ug/L	99
16) Methylene chloride	2.788	84	6039	3.121	ug/L	94
17) trans-1,2-Dichloroethene	3.093	96	4348	2.461	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	15505	2.525	ug/L #	86
19) 1,1-Dichloroethane	3.605	63	8493	2.457	ug/L #	94
20) cis-1,2-Dichloroethene	4.483	96	5735	2.778	ug/L	93
22) 2-Butanone	4.562	43	8116	5.280	ug/L	92
23) Bromochloromethane	4.897	128	2580	2.500	ug/L	82
25) Chloroform	5.093	83	19621	5.406	ug/L	91

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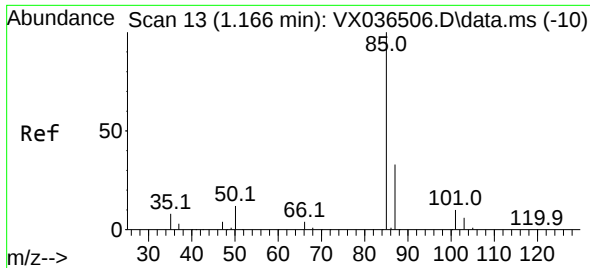
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 07/13/2023

Supervised By :Semsettin
 Yesilyurt
 07/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	7785m	2.711	ug/L	
29) Cyclohexane	5.477	56	8025m	2.860	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	7020	2.380	ug/L #	76
31) Carbon tetrachloride	5.672	117	6072	2.457	ug/L #	62
33) Benzene	6.044	78	18377	2.480	ug/L	100
34) Trichloroethene	7.135	95	5466m	2.704	ug/L	
35) Methylcyclohexane	7.373	83	8461	2.874	ug/L	98
37) 1,2-Dichloropropane	7.427	63	5614	2.756	ug/L #	92
38) Bromodichloromethane	7.818	83	5892	2.319	ug/L #	84
39) cis-1,3-Dichloropropene	8.372	75	7573m	2.359	ug/L	
40) 4-Methyl-2-pentanone	8.574	43	14702	5.177	ug/L	98
42) Toluene	8.720	91	20661	2.621	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	7354	2.488	ug/L	91
45) 1,1,2-Trichloroethane	9.153	97	5271	2.722	ug/L	92
46) Tetrachloroethene	9.275	164	4224	2.941	ug/L	89
48) 2-Hexanone	9.433	43	12194	5.495	ug/L	97
49) Dibromochloromethane	9.525	129	4469	2.299	ug/L	83
50) 1,2-Dibromoethane	9.610	107	5654	2.724	ug/L #	97
51) Chlorobenzene	10.079	112	13091	2.554	ug/L	93
52) Ethylbenzene	10.195	91	22612	2.606	ug/L	98
53) m,p-Xylene	10.299	106	8793	2.656	ug/L	96
54) o-Xylene	10.640	106	8416	2.563	ug/L	89
55) Styrene	10.653	104	13141	2.401	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	8761	2.913	ug/L	98
59) Bromoform	10.799	173	2984	2.168	ug/L #	98
60) Isopropylbenzene	10.963	105	21900	2.588	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	6414	2.699	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	17886	2.529	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	17763	2.504	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	9833	2.597	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	9933	2.598	ug/L	89
67) 1,2-Dichlorobenzene	12.335	146	10272	2.734	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.939	75	1558	2.460	ug/L #	74
69) 1,3,5-Trichlorobenzene	13.109	180	6776	2.697	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	6094	2.571	ug/L	95
71) Naphthalene	13.774	128	20838	2.577	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	6290	2.724	ug/L	96

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



#2
Dichlorodifluoromethane
Concen: 2.853 ug/L
RT: 1.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

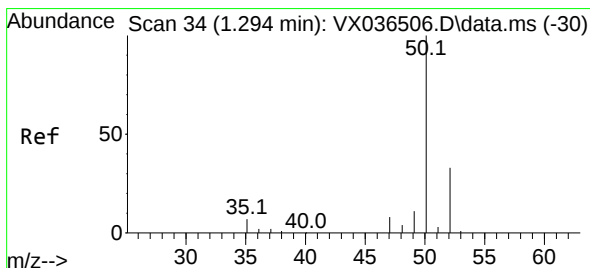
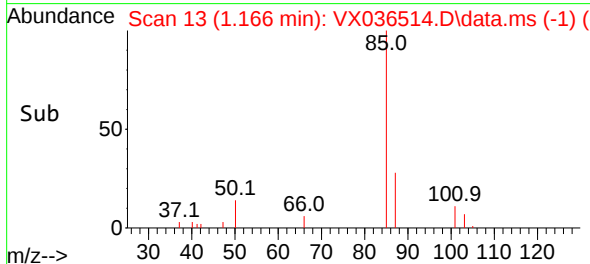
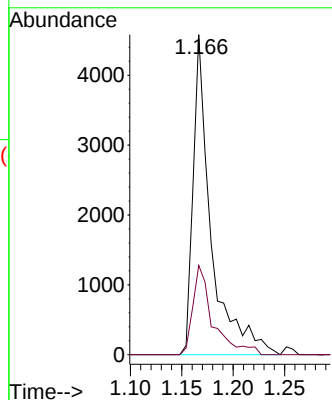
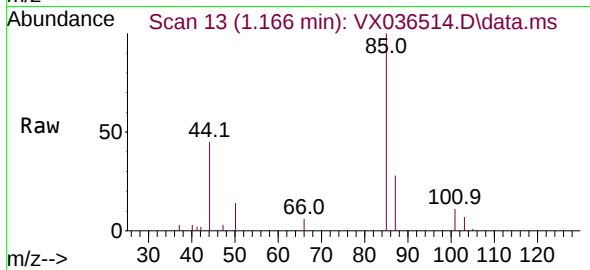
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 85 Resp: 556
Ion Ratio Lower Upper
85 100
87 29.0 26.3 39.5

Manual Integrations
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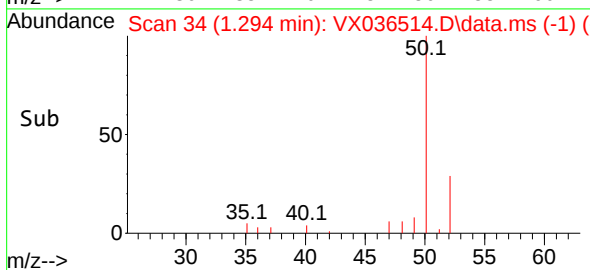
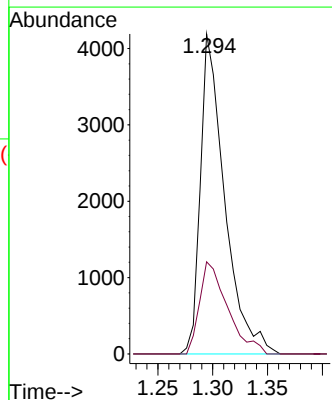
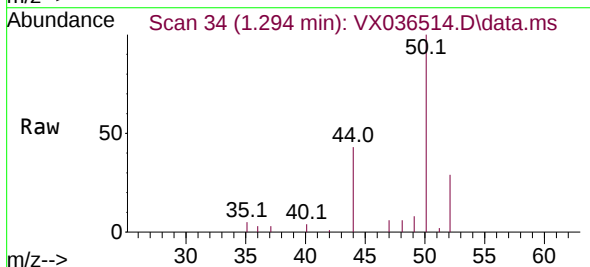
Reviewed By :John
Carlone
07/13/2023

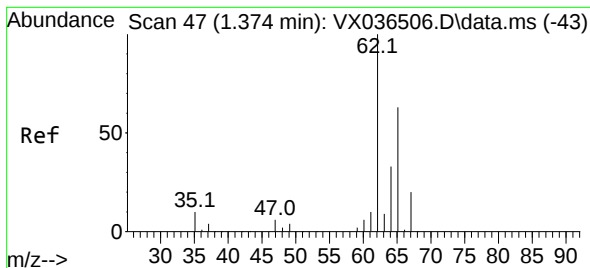
Supervised By :Semsettin
Yesilyurt
07/13/2023



#3
Chloromethane
Concen: 2.796 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

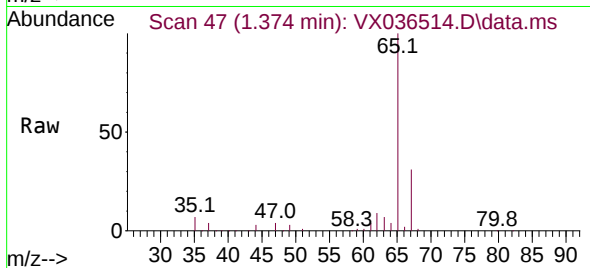
Tgt Ion: 50 Resp: 6451
Ion Ratio Lower Upper
50 100
52 28.8 22.8 42.4





#5
 Vinyl chloride
 Concen: 2.898 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX036514.D
 Acq: 12 Jul 2023 13:59

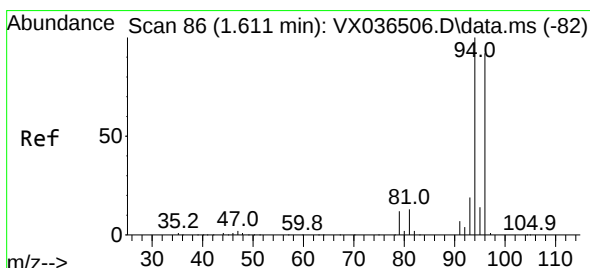
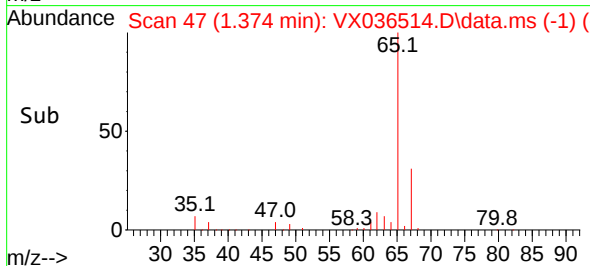
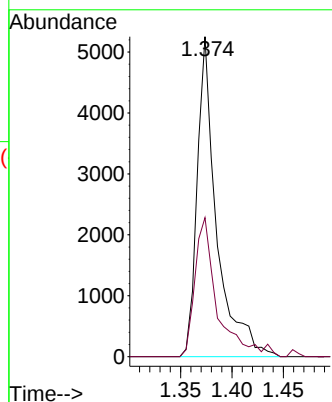
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 62 Resp: 6930
 Ion Ratio Lower Upper
 62 100
 64 43.4 22.8 42.4

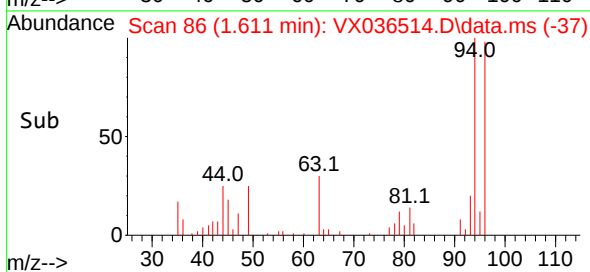
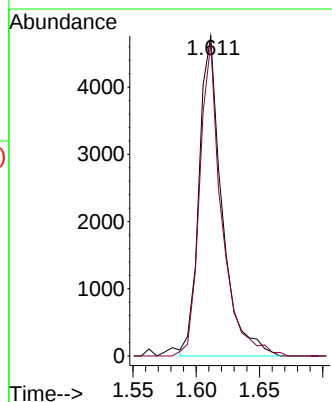
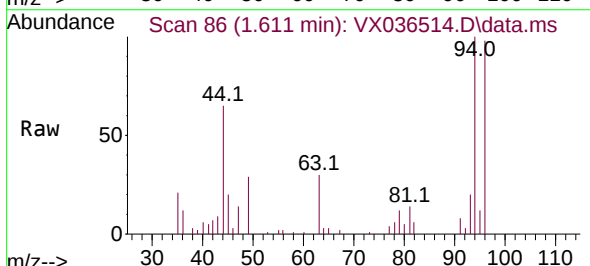
Manual Integrations
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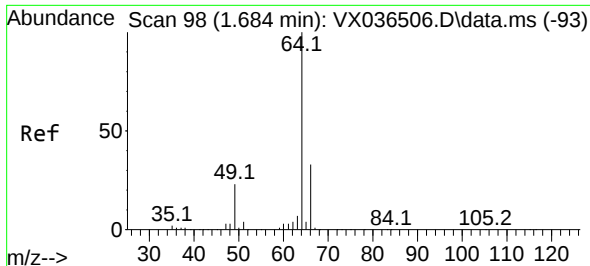
Reviewed By :John
 Carlone
 07/13/2023
 Supervised By :Semsettin
 Yesilyurt
 07/13/2023



#6
 Bromomethane
 Concen: 2.658 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX036514.D
 Acq: 12 Jul 2023 13:59

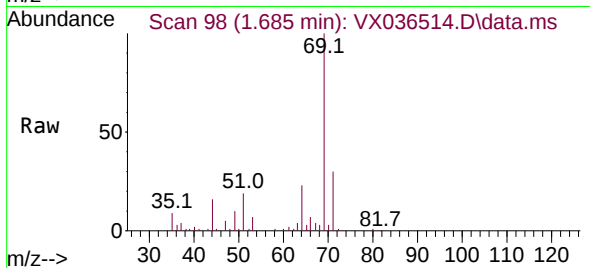
Tgt Ion: 94 Resp: 6010
 Ion Ratio Lower Upper
 94 100
 96 97.9 64.5 119.7





#8
Chloroethane
Concen: 2.486 ug/L
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

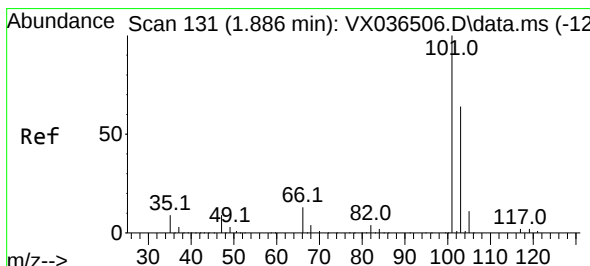
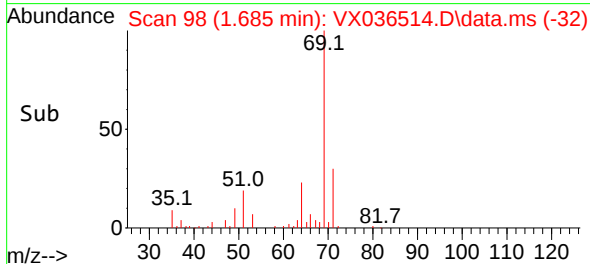
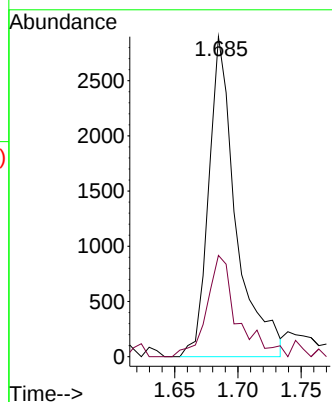


Tgt Ion: 64 Resp: 4350
Ion Ratio Lower Upper
64 100
66 31.7 23.0 42.8

Manual Integrations
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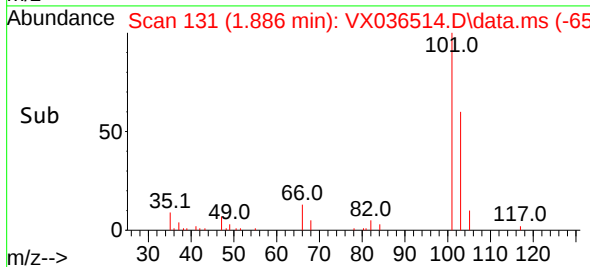
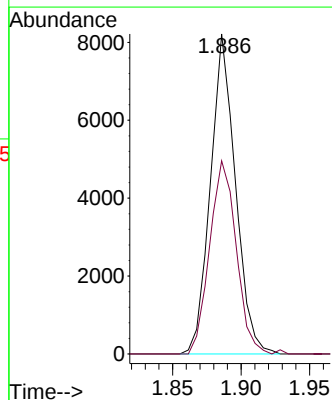
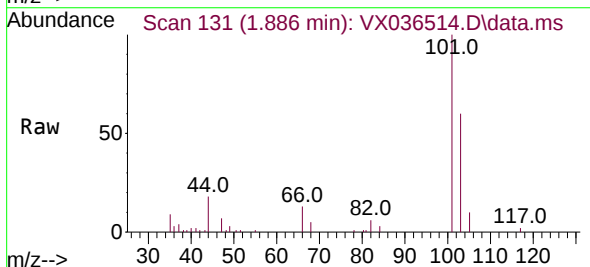
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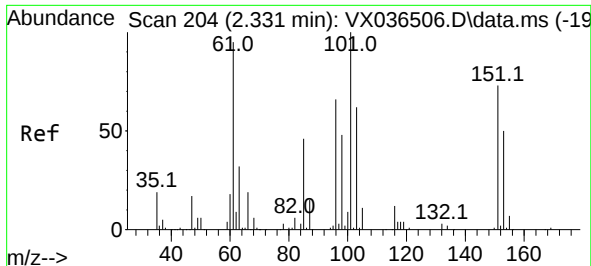
Supervised By :Semsettin
Yesilyurt
07/13/2023



#9
Trichlorofluoromethane
Concen: 2.754 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:101 Resp: 10428
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.538 ug/L
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

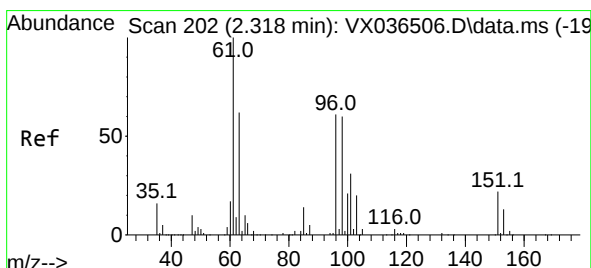
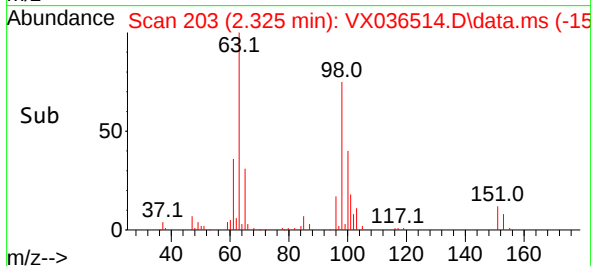
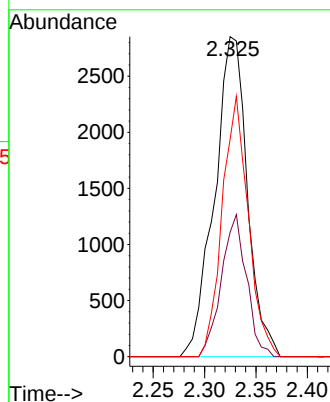
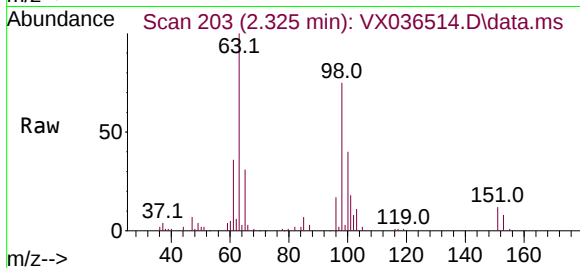
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion:101 Resp: 6349
Ion Ratio Lower Upper
101 100
85 33.8 35.8 53.8
151 64.6 59.8 89.6

Manual Integrations
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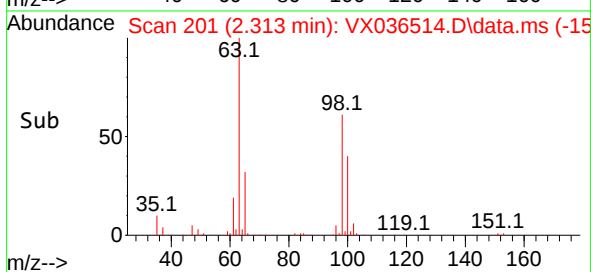
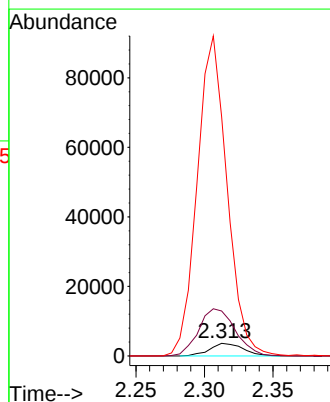
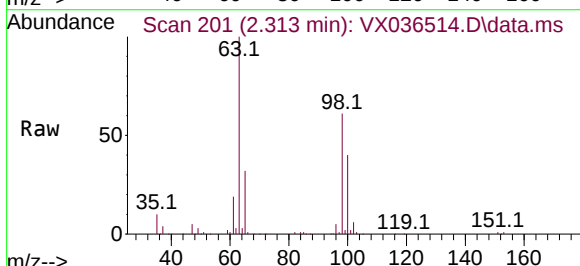
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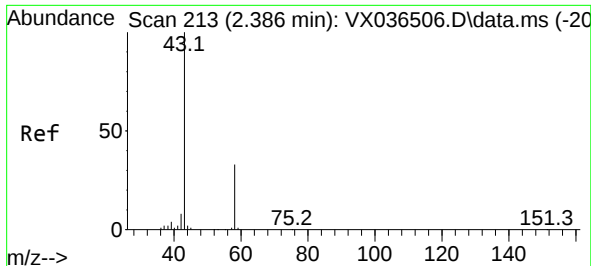
Supervised By :Semsettin
Yesilyurt
07/13/2023



#12
1,1-Dichloroethene
Concen: 3.542 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion: 96 Resp: 6213
Ion Ratio Lower Upper
96 100
61 353.7 115.3 214.1#
63 1879.9 76.3 141.7#





#13

Acetone

Concen: 5.127 ug/L

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 5419

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.6

Manual Integrations

APPROVED

Reviewed By :John

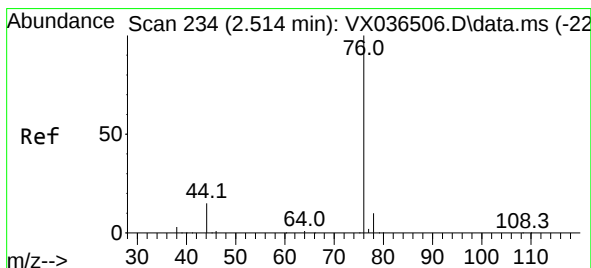
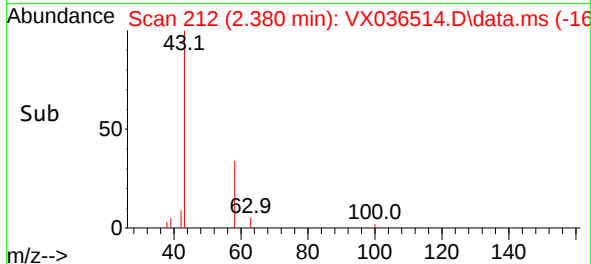
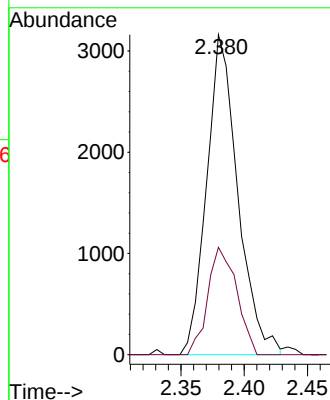
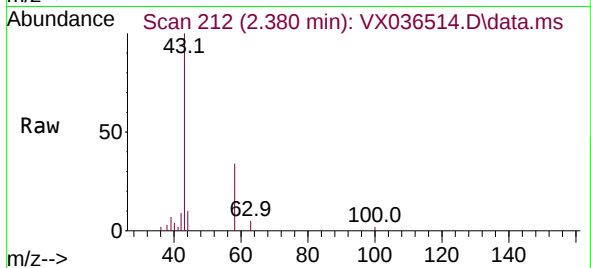
Carlone

07/13/2023

Supervised By :Semsettin

Yesilyurt

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#14

Carbon disulfide

Concen: 2.718 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX036514.D

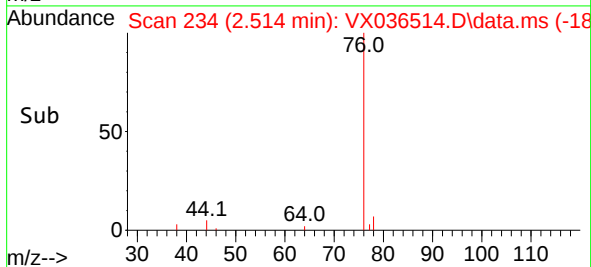
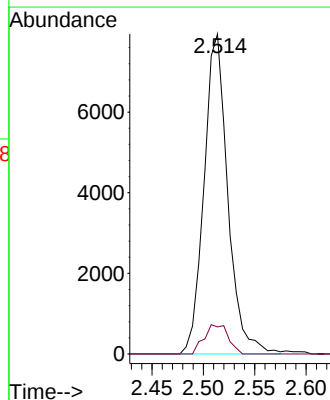
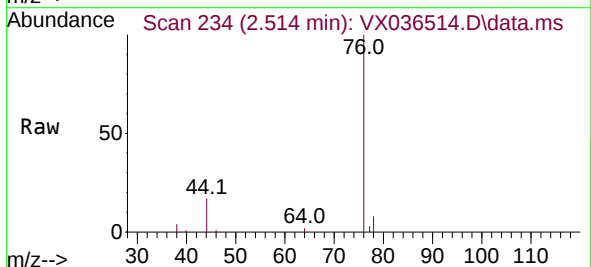
Acq: 12 Jul 2023 13:59

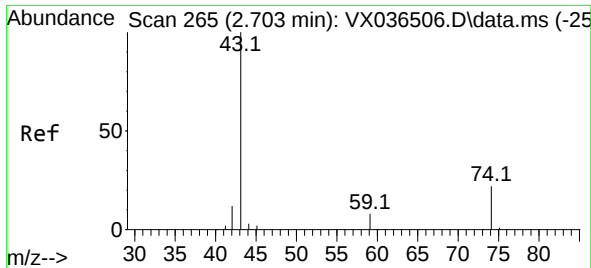
Tgt Ion: 76 Resp: 12786

Ion Ratio Lower Upper

76 100

78 8.4 7.8 11.6





#15
Methyl Acetate
Concen: 2.641 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

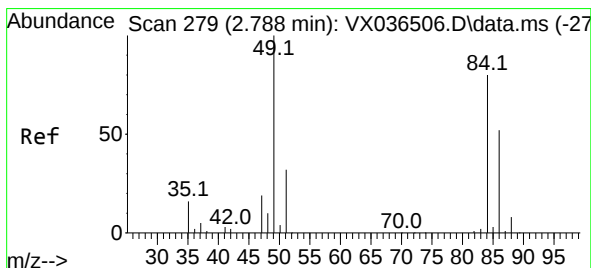
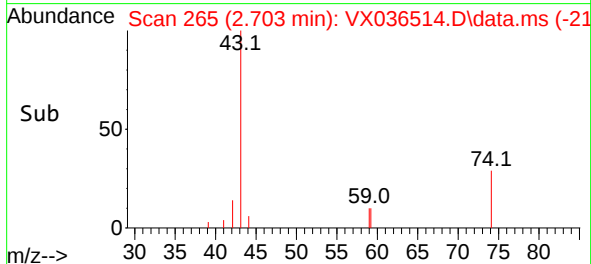
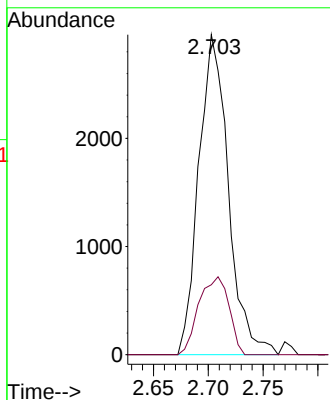
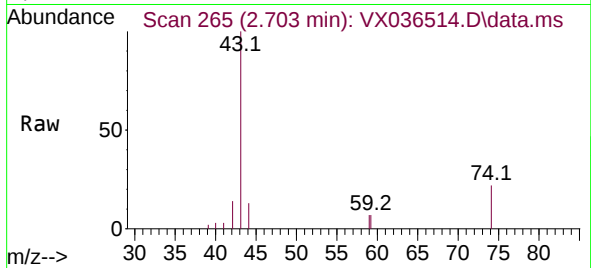
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 5550
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.0

Manual Integrations
APPROVED

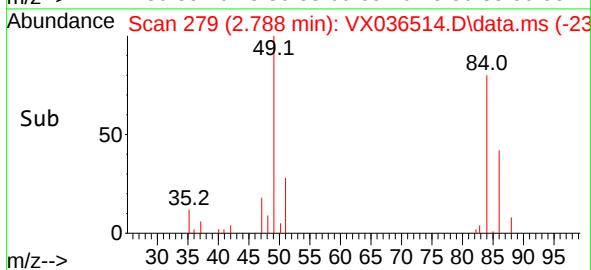
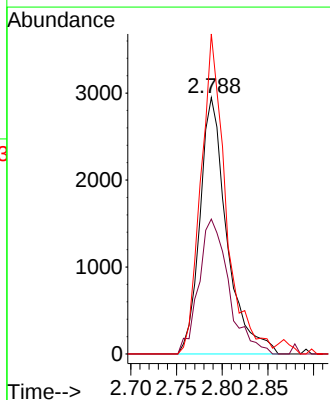
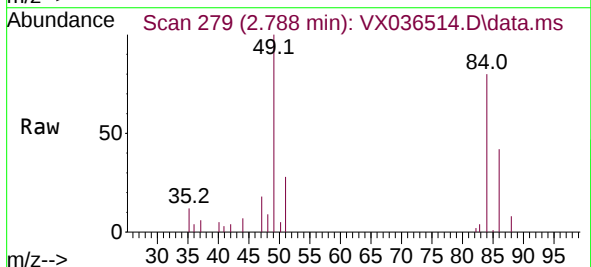
Reviewed By :John
Carlone
07/13/2023

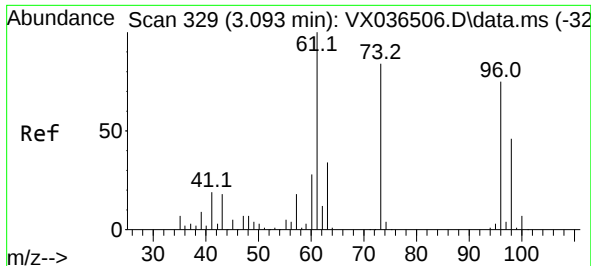
Supervised By :Semsettin
Yesilyurt
07/13/2023



#16
Methylene chloride
Concen: 3.121 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion: 84 Resp: 6039
Ion Ratio Lower Upper
84 100
86 52.7 45.9 85.3
49 124.9 87.6 162.8





#17

trans-1,2-Dichloroethene

Concen: 2.461 ug/L

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX036514.D

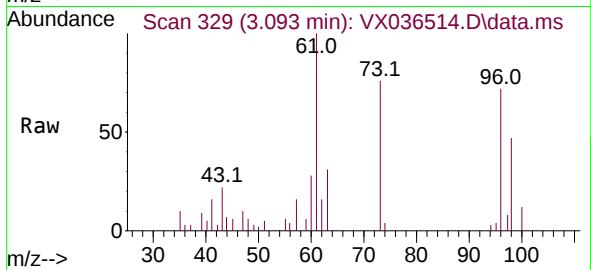
Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05



Tgt Ion: 96 Resp: 4348

Ion	Ratio	Lower	Upper
96	100		
61	139.8	93.7	174.1
98	65.4	42.9	79.7

Manual Integrations

APPROVED

Reviewed By :John

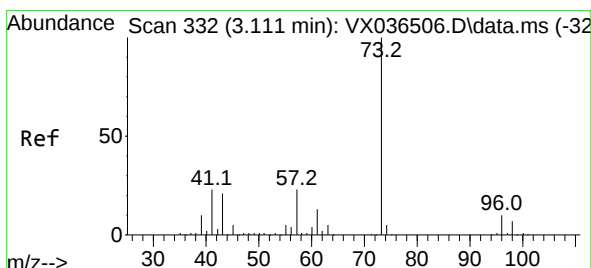
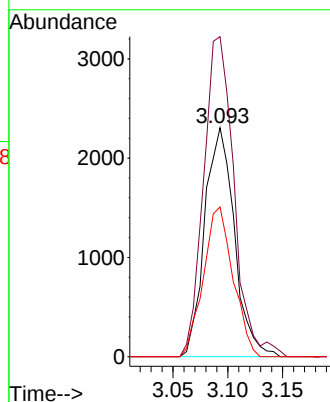
Carlone

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Supervised By :Semsettin

Yesilyurt

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#18

Methyl tert-butyl Ether

Concen: 2.525 ug/L

RT: 3.111 min Scan# 332

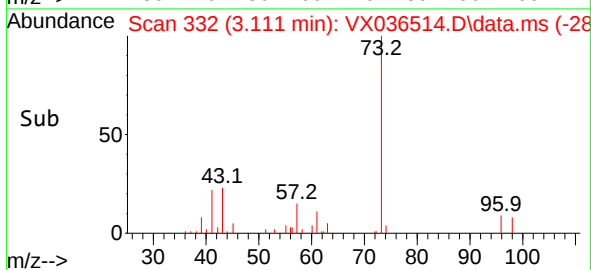
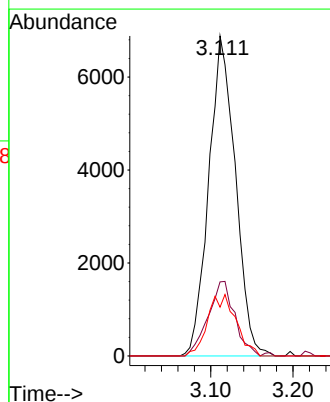
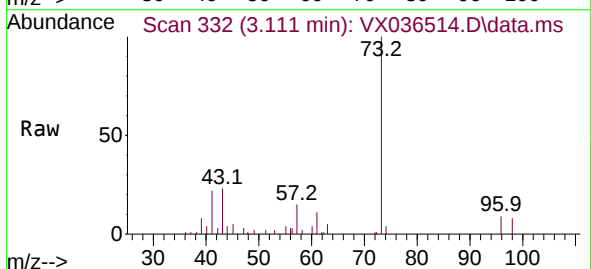
Delta R.T. 0.000 min

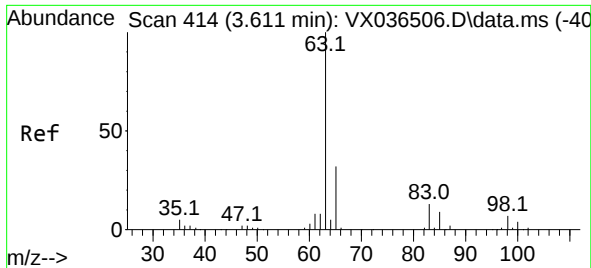
Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Tgt Ion: 73 Resp: 15505

Ion	Ratio	Lower	Upper
73	100		
43	23.2	17.0	25.6
57	10.3	17.4	26.0





#19

1,1-Dichloroethane

Concen: 2.457 ug/L

RT: 3.605 min Scan# 414

Delta R.T. -0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 63	Resp: 849
Ion Ratio	Lower Upper
63 100	
65 33.8	22.3 41.3
83 17.9	9.3 17.3

Manual Integrations

APPROVED

Reviewed By :John

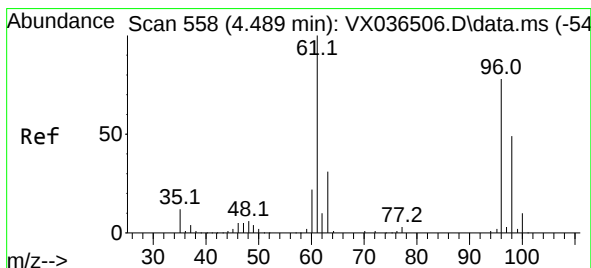
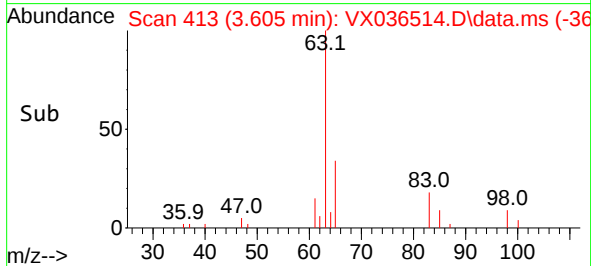
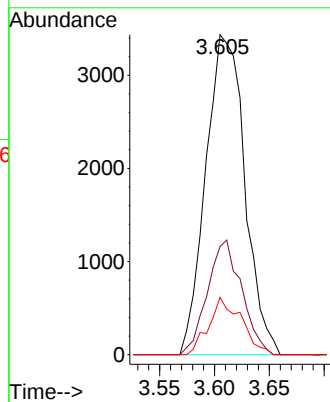
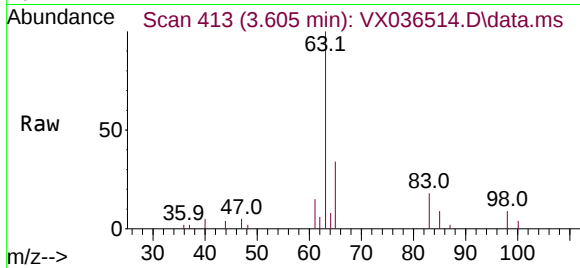
Carlone

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Supervised By :Semsettin

Yesilyurt

07/13/2023



#20

cis-1,2-Dichloroethene

Concen: 2.778 ug/L

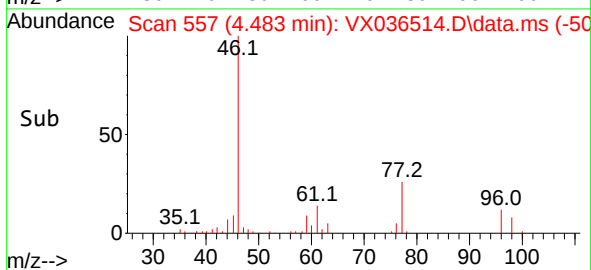
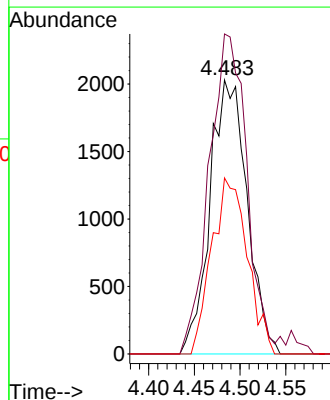
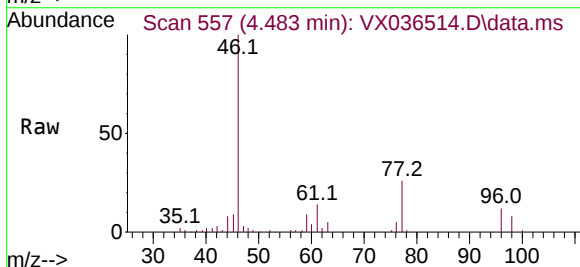
RT: 4.483 min Scan# 557

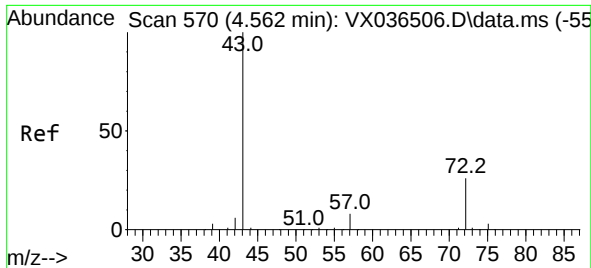
Delta R.T. -0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Tgt Ion: 96	Resp: 5735
Ion Ratio	Lower Upper
96 100	
61 116.8	90.1 167.3
98 64.2	44.1 81.9





#22
2-Butanone
Concen: 5.280 ug/L
RT: 4.562 min Scan# 511
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

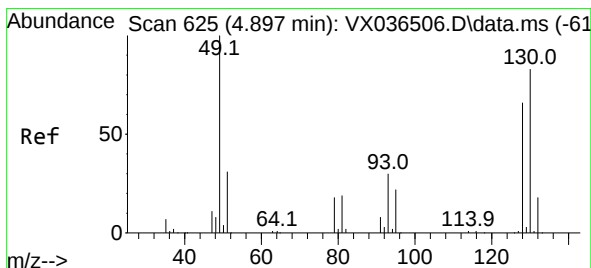
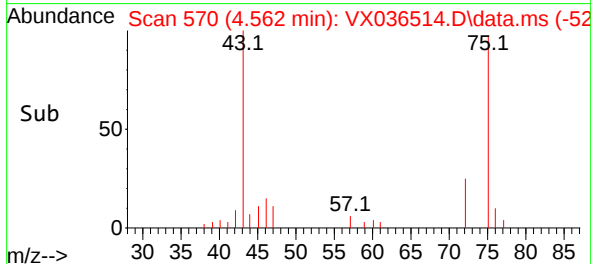
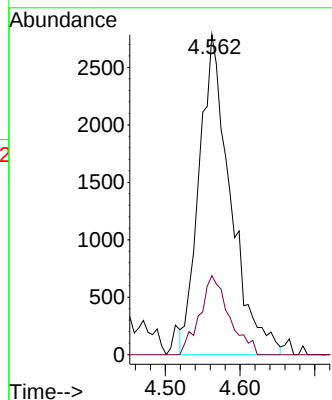
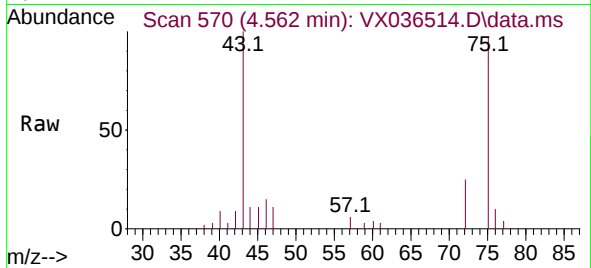
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 8110
Ion Ratio Lower Upper
43 100
72 23.1 13.8 41.3

Manual Integrations
APPROVED

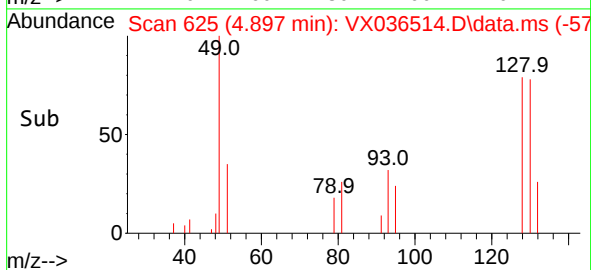
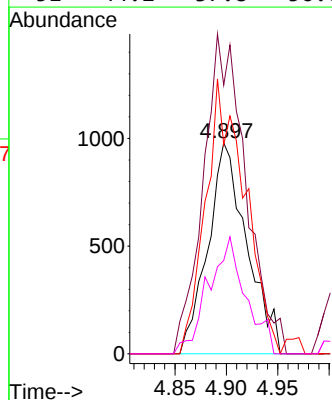
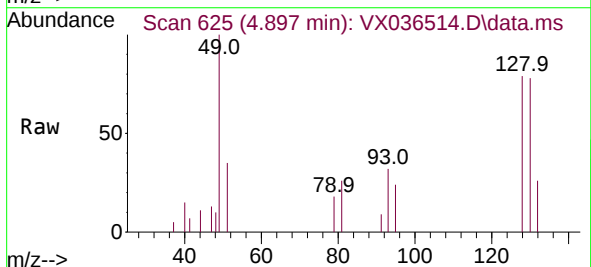
Reviewed By :John
Carlone
07/13/2023

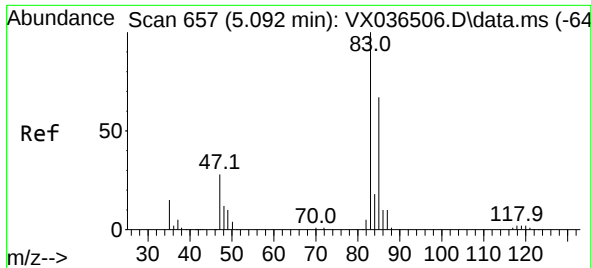
Supervised By :Semsettin
Yesilyurt
07/13/2023



#23
Bromochloromethane
Concen: 2.500 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:128 Resp: 2580
Ion Ratio Lower Upper
128 100
49 127.4 105.8 196.4
130 99.2 88.1 163.7
51 44.2 37.8 56.6





#25
Chloroform
Concen: 5.406 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

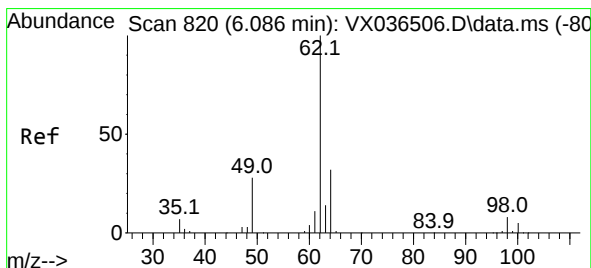
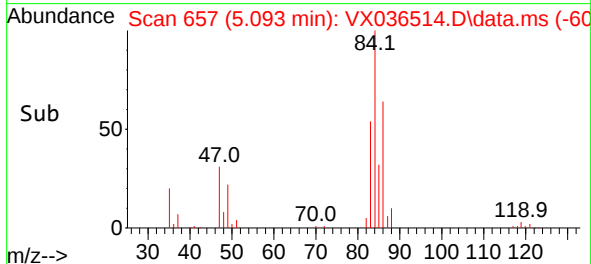
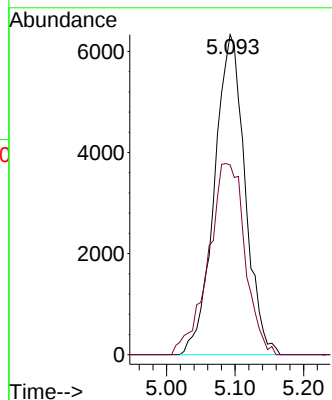
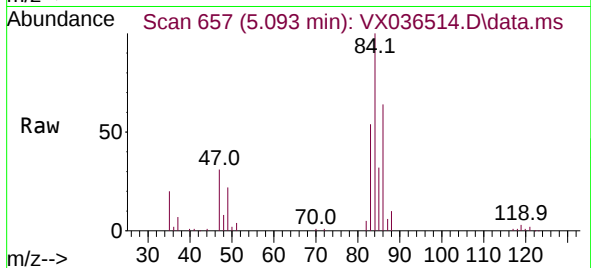
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 1962
Ion Ratio Lower Upper
83 100
85 59.3 46.8 87.0

Manual Integrations
APPROVED

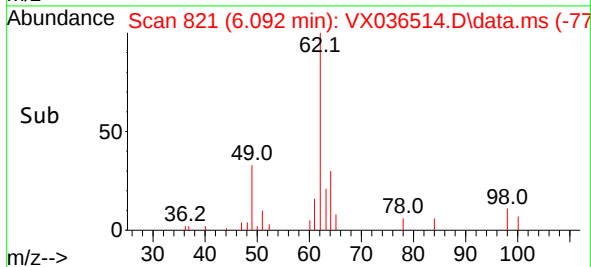
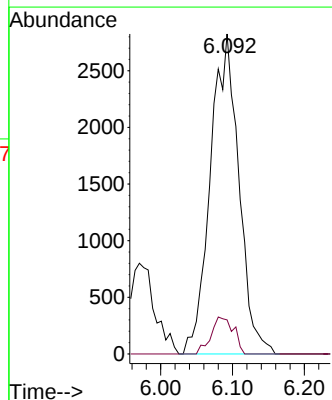
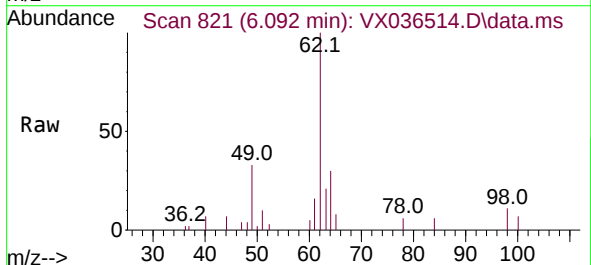
Reviewed By :John
Carlone
07/13/2023

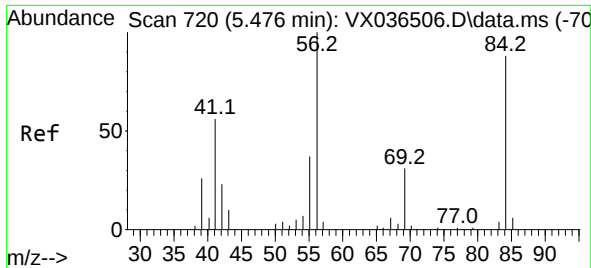
Supervised By :Semsettin
Yesilyurt
07/13/2023



#27
1,2-Dichloroethane
Concen: 2.711 ug/L m
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

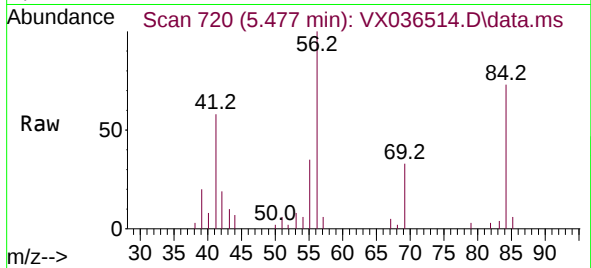
Tgt Ion: 62 Resp: 7785
Ion Ratio Lower Upper
62 100
98 10.7 6.5 9.7#





#29
Cyclohexane
Concen: 2.860 ug/L m
RT: 5.477 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

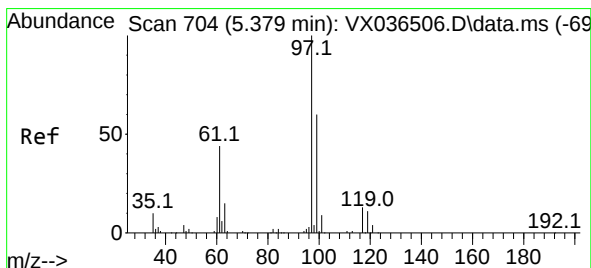
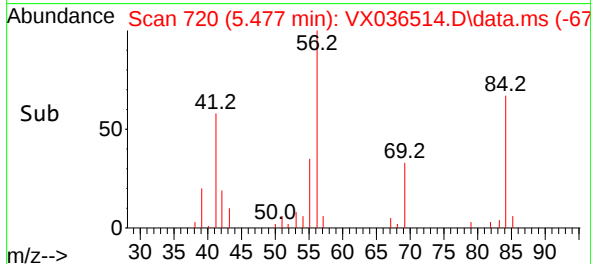
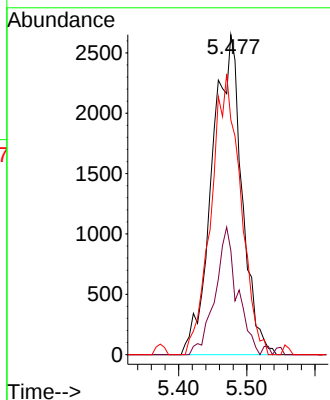


Tgt Ion: 56 Resp: 802
Ion Ratio Lower Upper
56 100
69 19.6 25.3 37.9
84 86.8 73.0 109.4

Manual Integrations
APPROVED

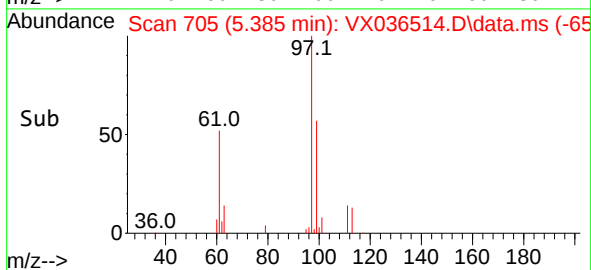
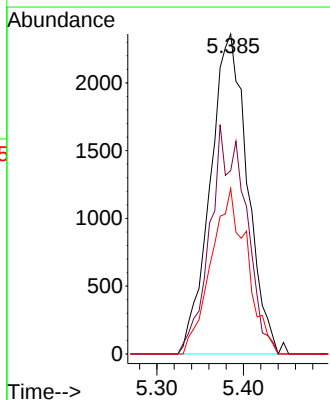
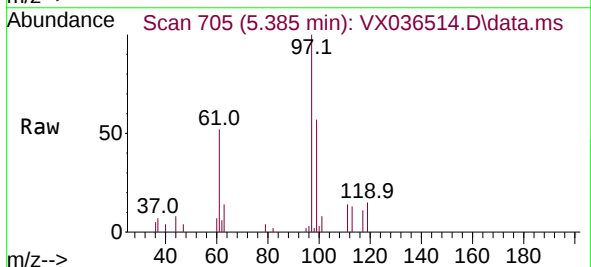
Reviewed By :John
Carlone
07/13/2023

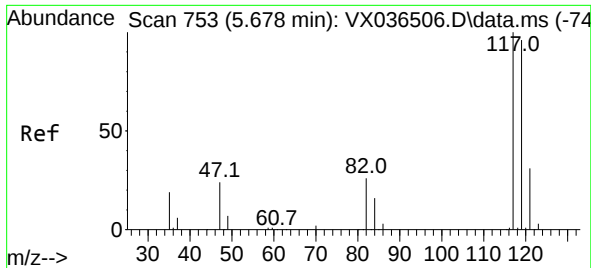
Supervised By :Semsettin
Yesilyurt
07/13/2023



#30
1,1,1-Trichloroethane
Concen: 2.380 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

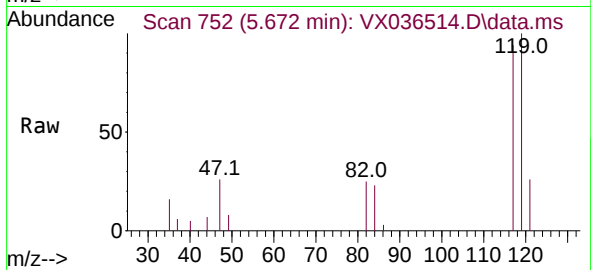
Tgt Ion: 97 Resp: 7020
Ion Ratio Lower Upper
97 100
99 35.3 50.6 76.0
61 39.0 34.7 52.1





#31
Carbon tetrachloride
Concen: 2.457 ug/L
RT: 5.672 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

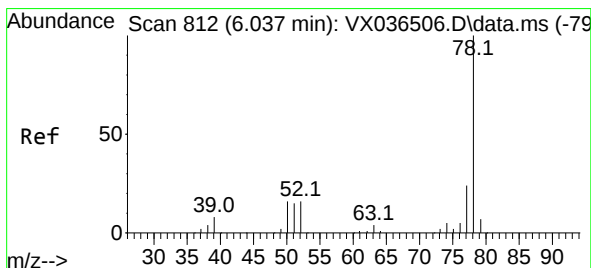
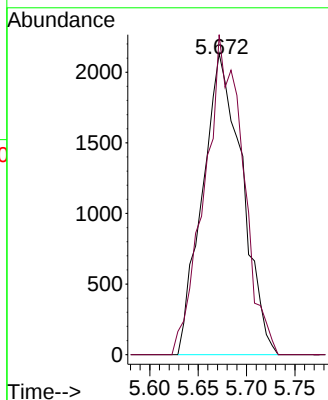


Tgt Ion:117 Resp: 6072
Ion Ratio Lower Upper
117 100
119 59.1 76.6 114.8

Manual Integrations
APPROVED

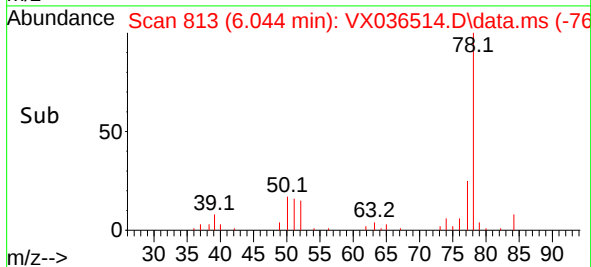
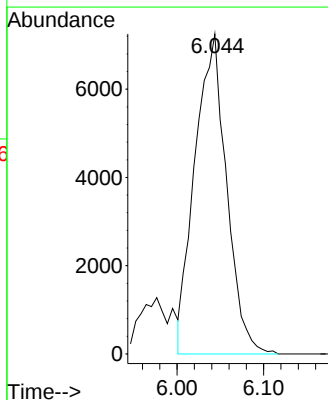
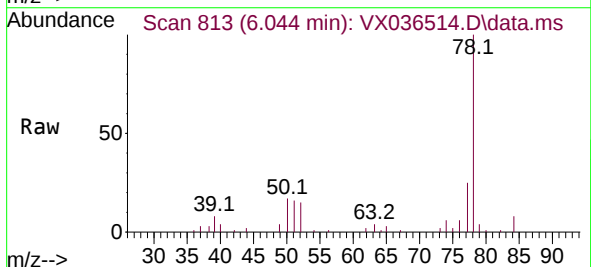
Reviewed By :John
Carlone
07/13/2023

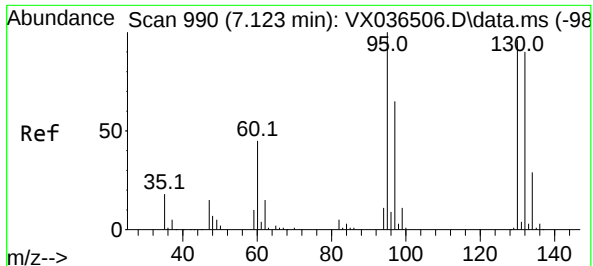
Supervised By :Semsettin
Yesilyurt
07/13/2023



#33
Benzene
Concen: 2.480 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion: 78 Resp: 18377





#34

Trichloroethene

Concen: 2.704 ug/L m

RT: 7.135 min Scan# 990

Delta R.T. 0.012 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 95 Resp: 546

Ion Ratio Lower Upper

95 100

97 56.2 45.3 84.1

132 100.6 63.0 117.0

130 92.6 67.3 125.1

Manual Integrations

APPROVED

Reviewed By :John

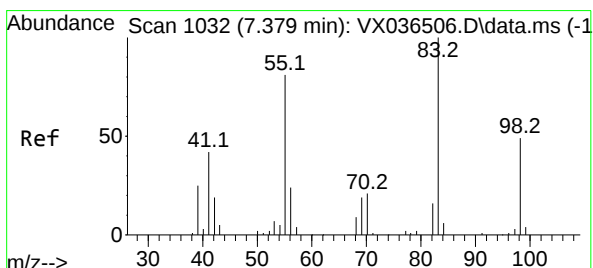
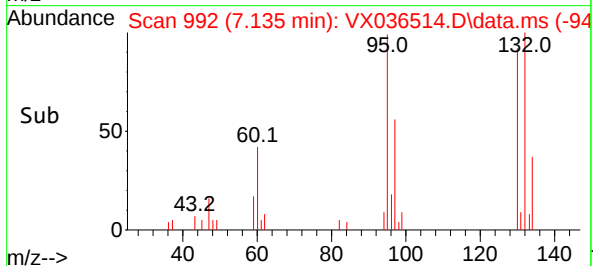
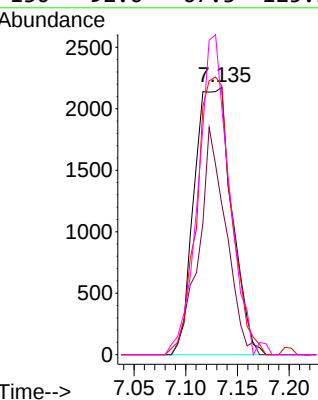
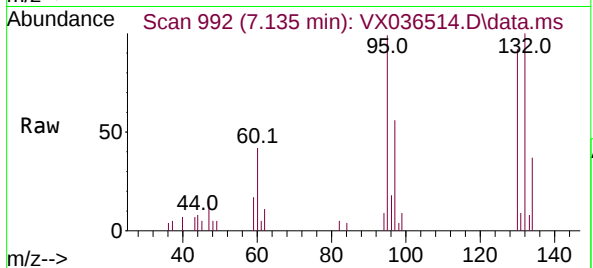
Carlone

07/13/2023

Supervised By :Semsettin

Yesilyurt

07/13/2023



#35

Methylcyclohexane

Concen: 2.874 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

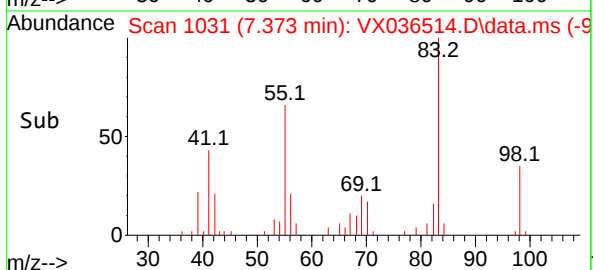
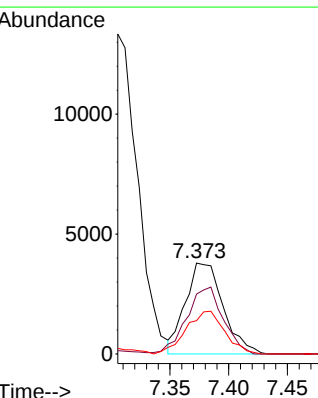
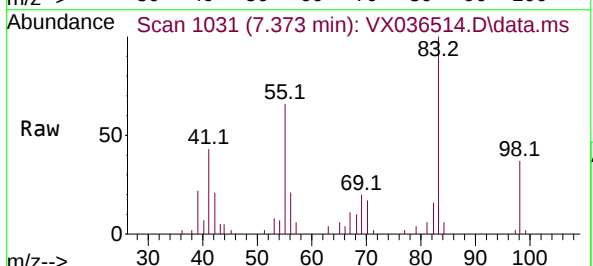
Tgt Ion: 83 Resp: 8461

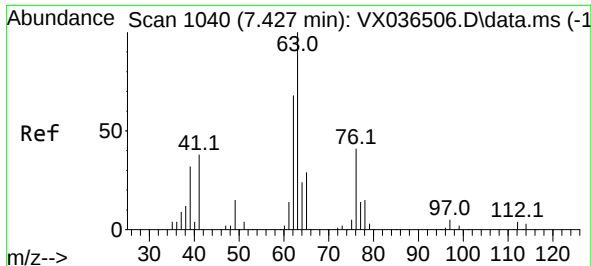
Ion Ratio Lower Upper

83 100

55 71.4 59.0 88.4

98 48.0 37.5 56.3





#37
1,2-Dichloropropane
Concen: 2.756 ug/L
RT: 7.427 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

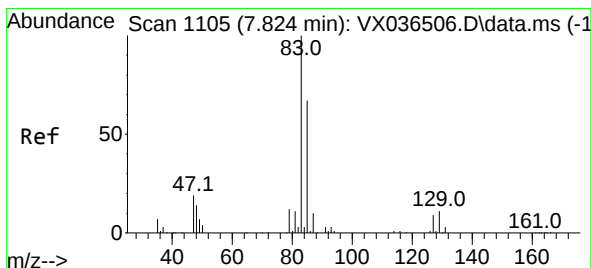
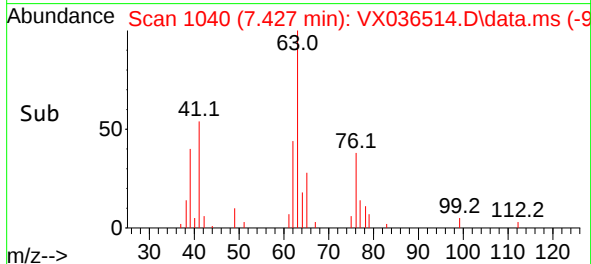
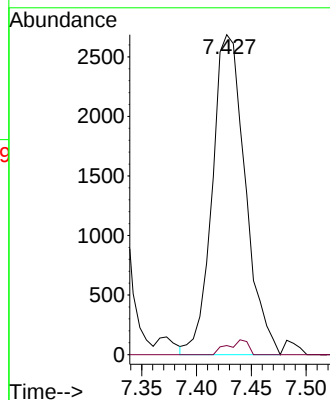
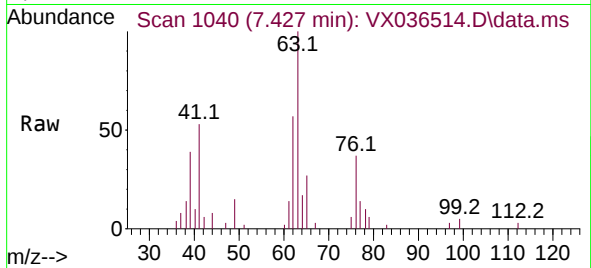
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 63 Resp: 5614
Ion Ratio Lower Upper
63 100
112 1.3 3.1 4.7

Manual Integrations
APPROVED

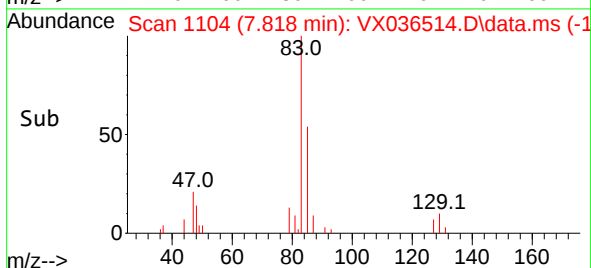
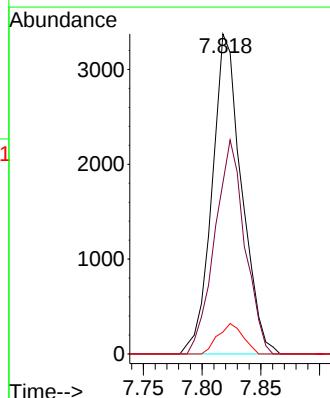
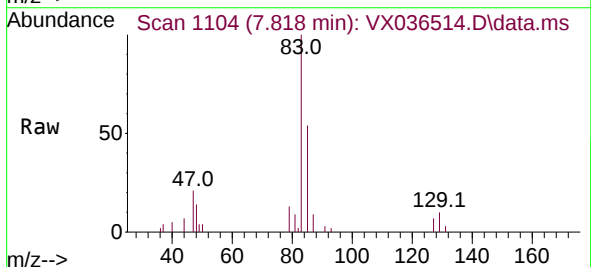
Reviewed By :John
Carlone
07/13/2023

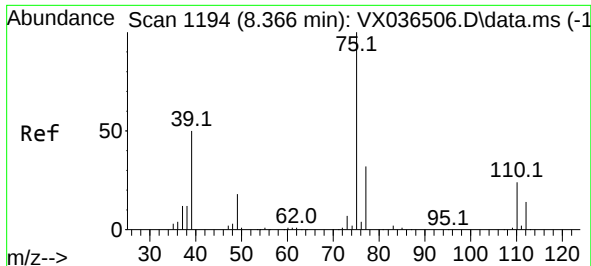
Supervised By :Semsettin
Yesilyurt
07/13/2023



#38
Bromodichloromethane
Concen: 2.319 ug/L
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion: 83 Resp: 5892
Ion Ratio Lower Upper
83 100
85 53.5 46.9 87.1
127 6.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 2.359 ug/L m

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 757

Ion Ratio Lower Upper

75 100

77 31.6 22.7 42.1

Manual Integrations

APPROVED

Reviewed By :John

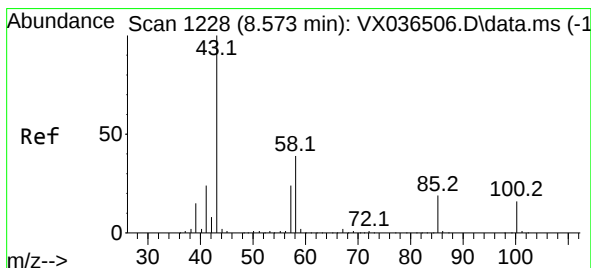
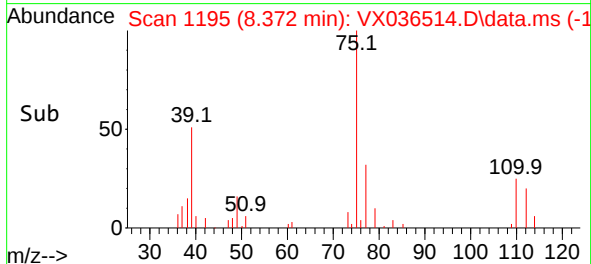
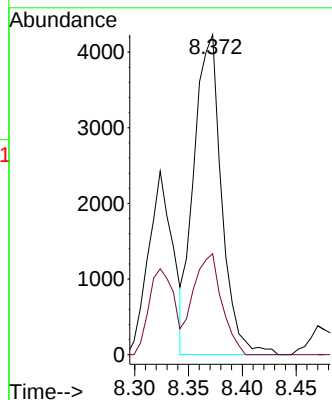
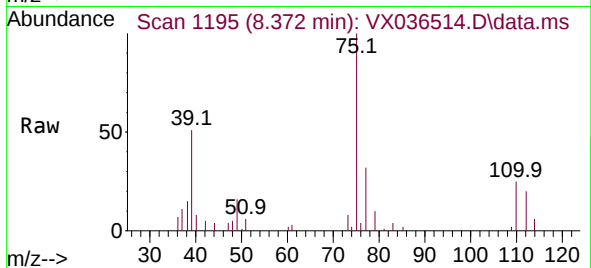
Carlone

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Supervised By :Semsettin

Yesilyurt

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#40

4-Methyl-2-pentanone

Concen: 5.177 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

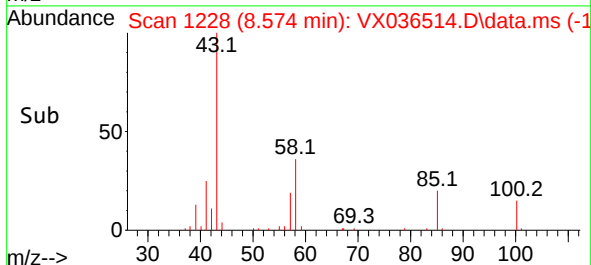
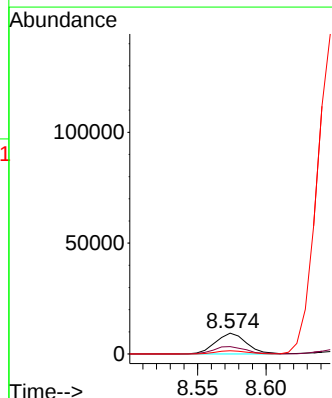
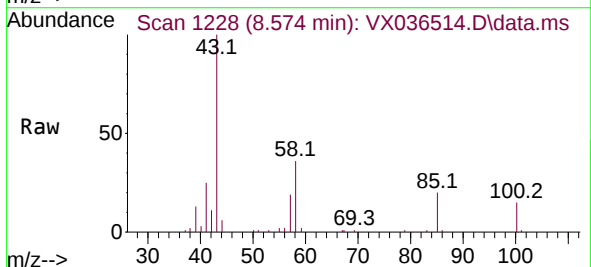
Tgt Ion: 43 Resp: 14702

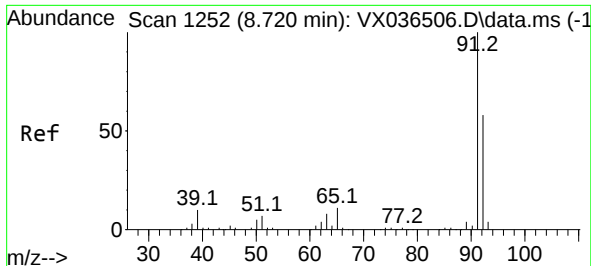
Ion Ratio Lower Upper

43 100

58 37.3 31.4 47.0

100 15.3 12.3 18.5





#42

Toluene

Concen: 2.621 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 91 Resp: 2066

Ion Ratio Lower Upper

91 100

92 54.9 40.3 74.9

Manual Integrations

APPROVED

Reviewed By :John

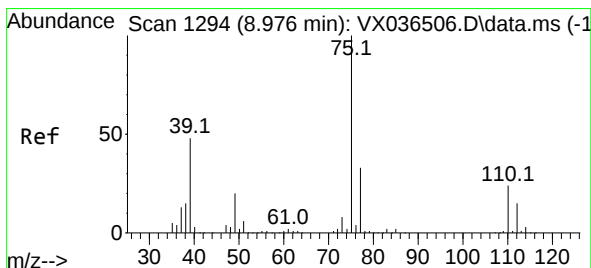
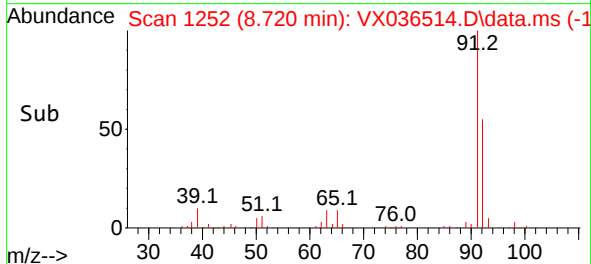
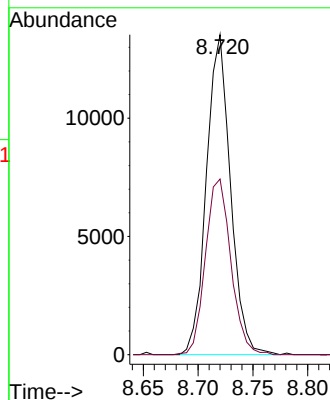
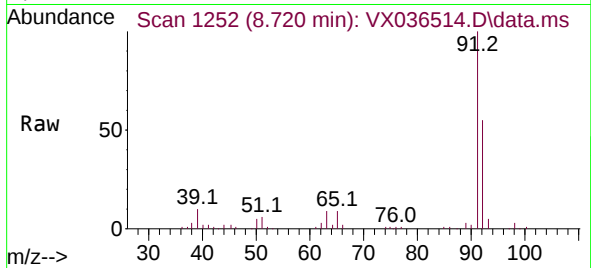
Carlone

07/13/2023

Supervised By :Semsettin

Yesilyurt

07/13/2023



#44

trans-1,3-Dichloropropene

Concen: 2.488 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX036514.D

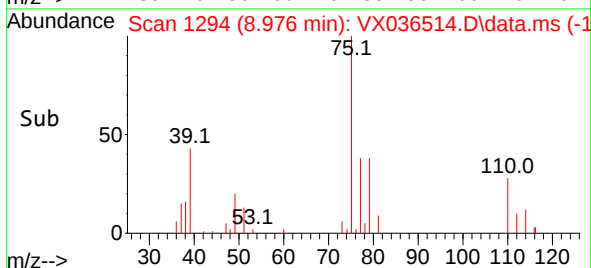
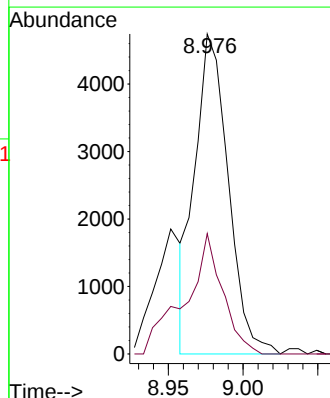
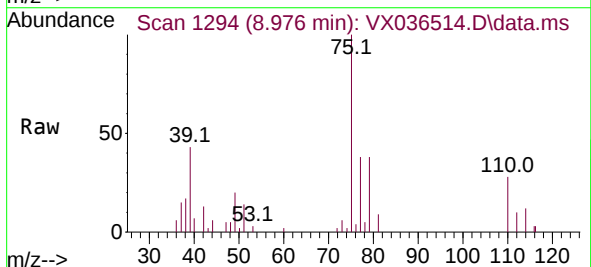
Acq: 12 Jul 2023 13:59

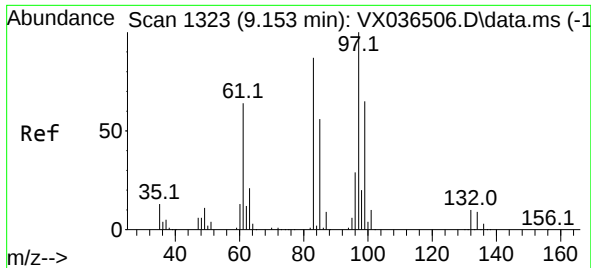
Tgt Ion: 75 Resp: 7354

Ion Ratio Lower Upper

75 100

77 37.6 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.722 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 97 Resp: 527

Ion Ratio Lower Upper

97 100

99 61.7 45.1 83.9

83 97.0 60.6 112.6

85 61.6 39.4 73.2

Manual Integrations

APPROVED

Reviewed By :John

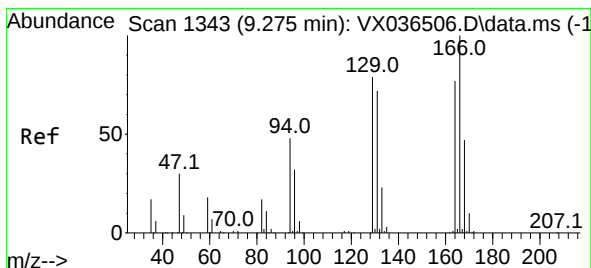
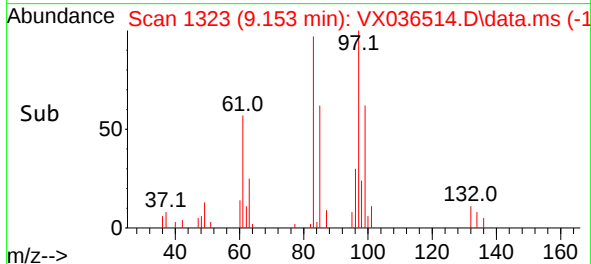
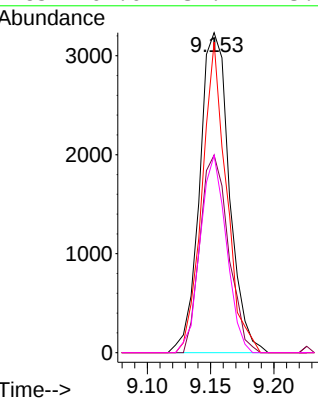
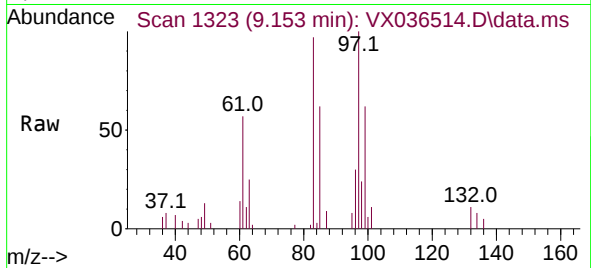
Carlone

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Supervised By :Semsettin

Yesilyurt

07/13/2023



#46

Tetrachloroethene

Concen: 2.941 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Tgt Ion:164 Resp: 4224

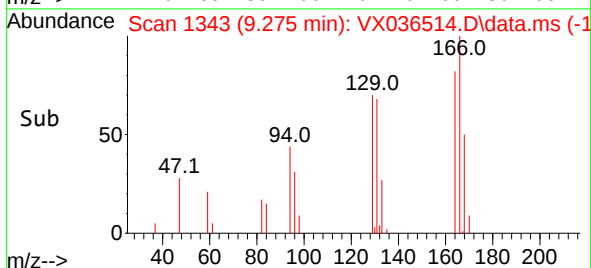
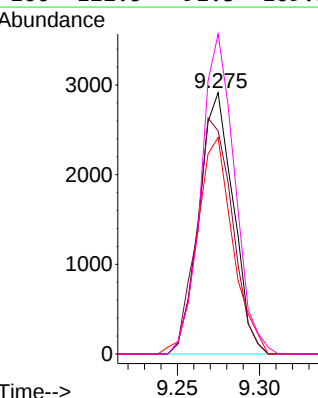
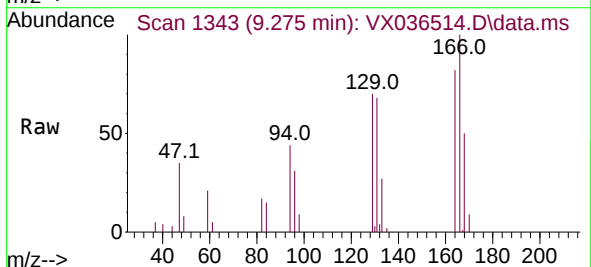
Ion Ratio Lower Upper

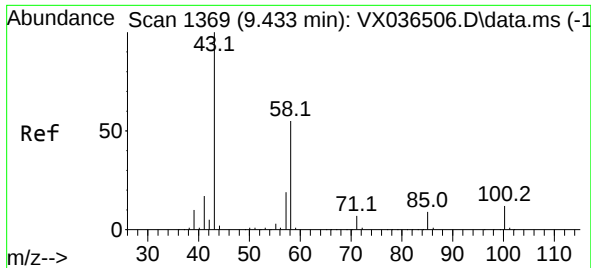
164 100

129 85.3 72.0 133.8

131 82.9 65.7 121.9

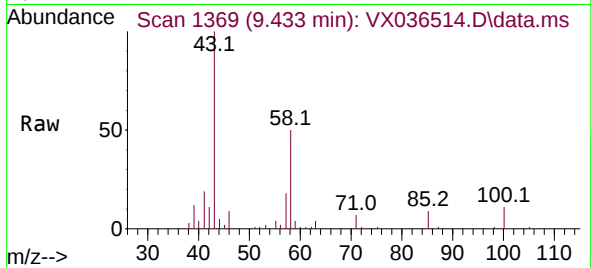
166 122.5 91.3 169.5





#48
2-Hexanone
Concen: 5.495 ug/L
RT: 9.433 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

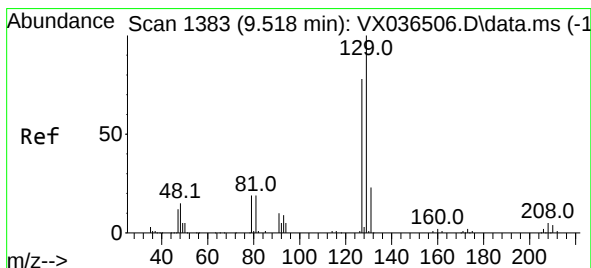
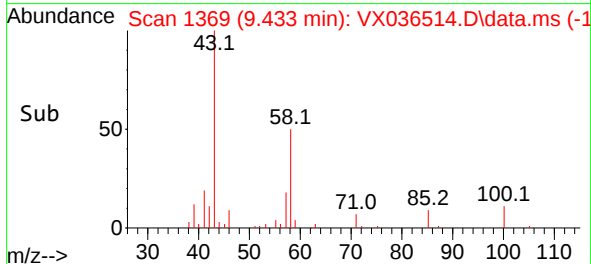
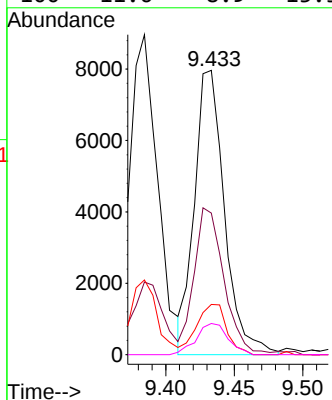


Tgt Ion: 43 Resp: 12194
Ion Ratio Lower Upper
43 100
58 51.0 42.5 63.7
57 17.7 15.0 22.4
100 11.6 8.9 13.3

Manual Integrations
APPROVED

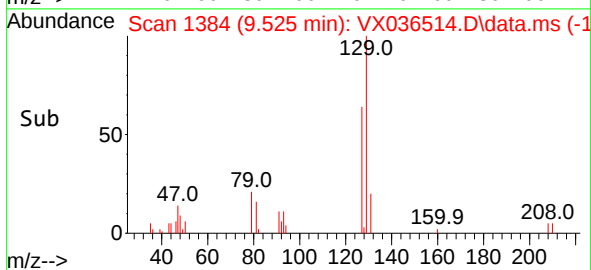
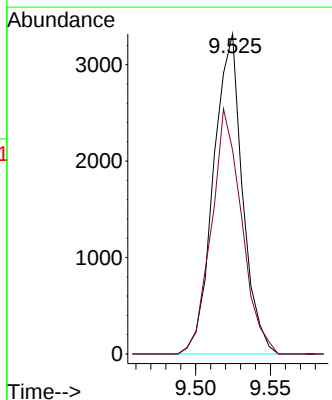
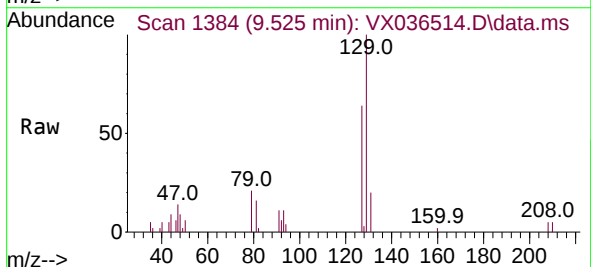
Reviewed By :John
Carlone
07/13/2023

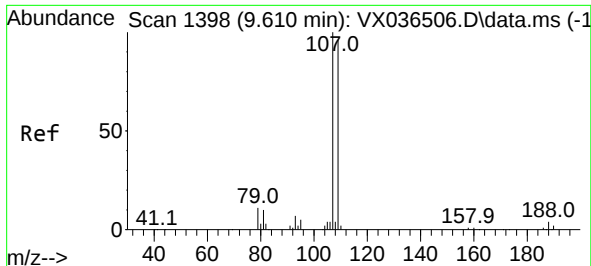
Supervised By :Semsettin
Yesilyurt
07/13/2023



#49
Dibromochloromethane
Concen: 2.299 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

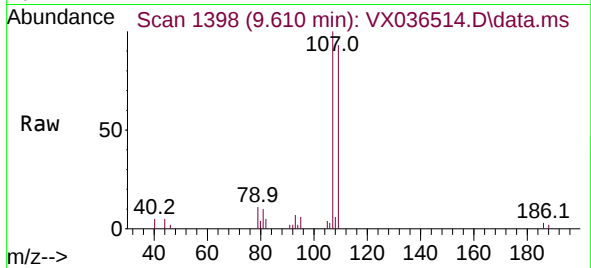
Tgt Ion:129 Resp: 4469
Ion Ratio Lower Upper
129 100
127 63.6 54.8 101.8





#50
1,2-Dibromoethane
Concen: 2.724 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

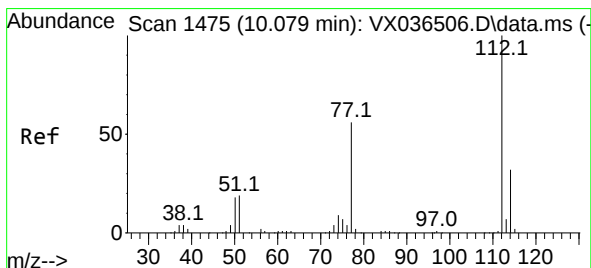
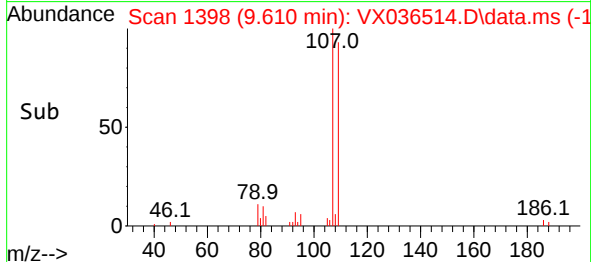
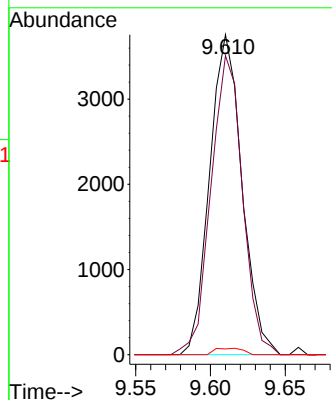


Tgt Ion:107 Resp: 5654
Ion Ratio Lower Upper
107 100
109 93.5 67.3 124.9
188 1.8 2.8 4.2

Manual Integrations APPROVED

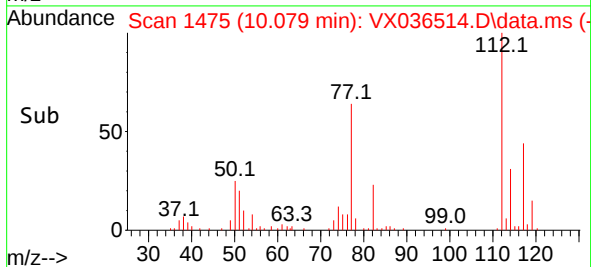
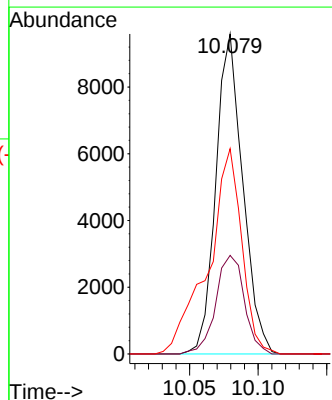
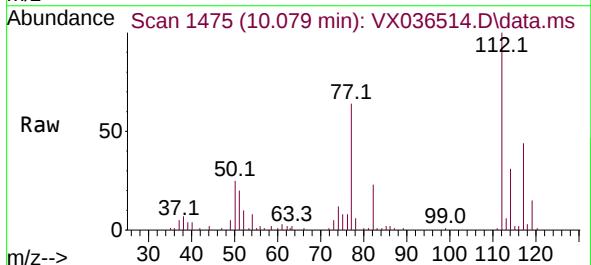
Reviewed By :John
Carlone
07/13/2023

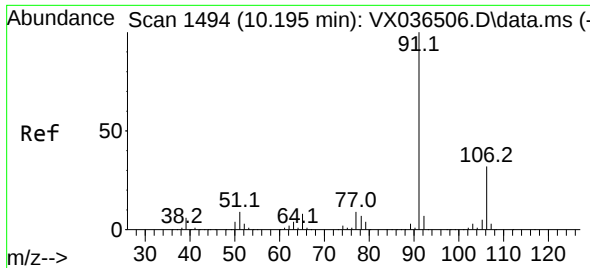
Supervised By :Semsettin
Yesilyurt
07/13/2023



#51
Chlorobenzene
Concen: 2.554 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:112 Resp: 13091
Ion Ratio Lower Upper
112 100
114 30.8 22.3 41.3
77 64.1 45.2 67.8





#52
Ethylbenzene
Concen: 2.606 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

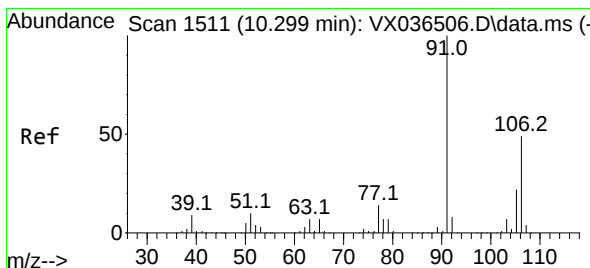
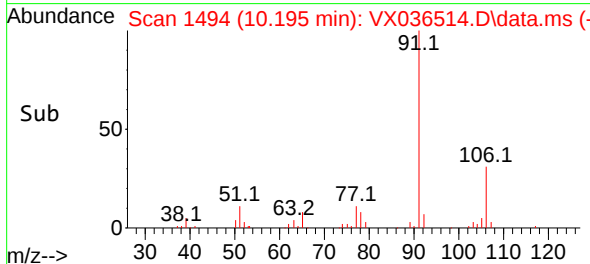
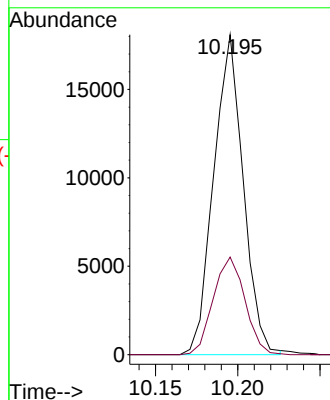
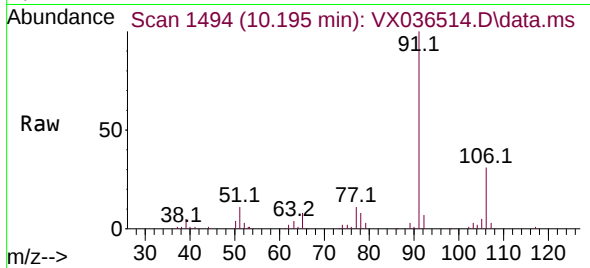
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 91 Resp: 2261
Ion Ratio Lower Upper
91 100
106 30.5 22.1 41.1

Manual Integrations
APPROVED

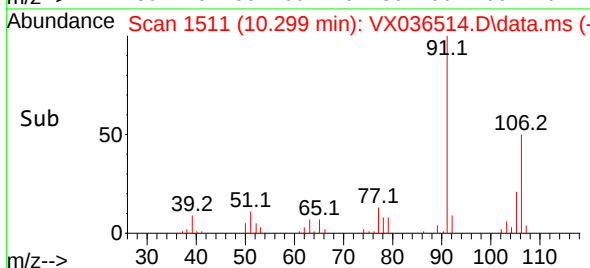
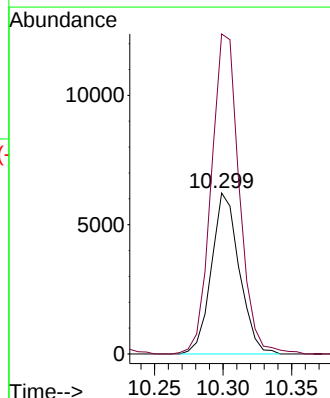
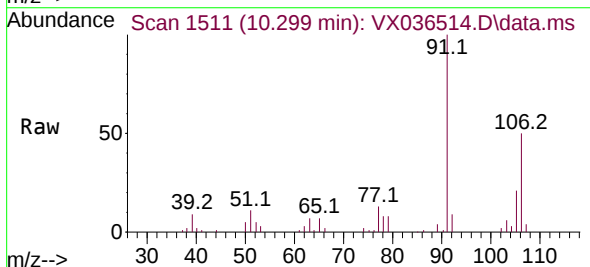
Reviewed By :John
Carlone
07/13/2023

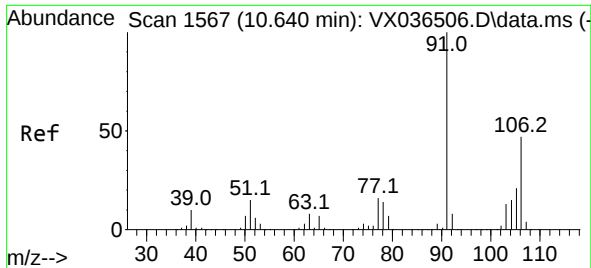
Supervised By :Semsettin
Yesilyurt
07/13/2023



#53
m,p-Xylene
Concen: 2.656 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:106 Resp: 8793
Ion Ratio Lower Upper
106 100
91 198.8 143.1 265.9





#54
o-Xylene
Concen: 2.563 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

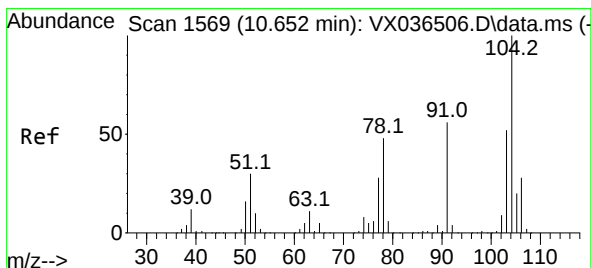
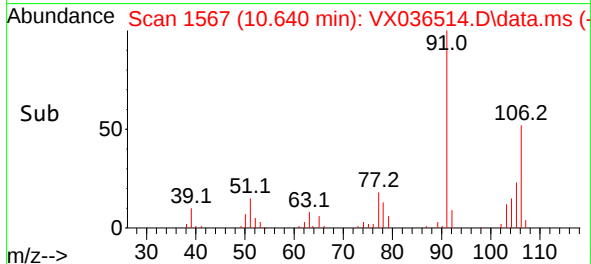
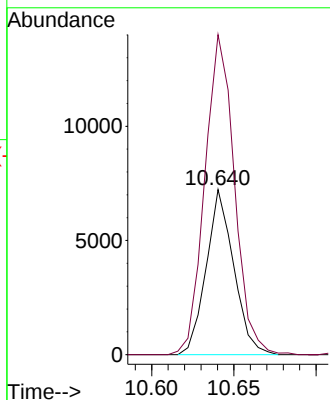
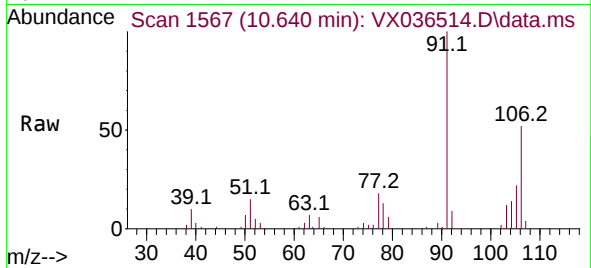
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion:106 Resp: 8410
Ion Ratio Lower Upper
106 100
91 193.8 147.8 274.4

Manual Integrations
APPROVED

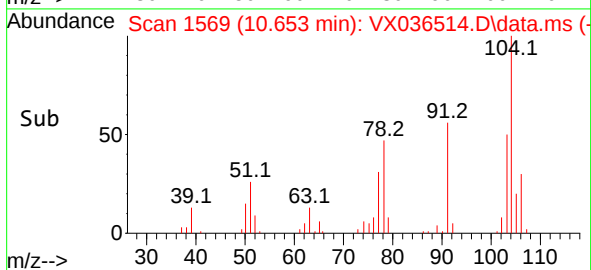
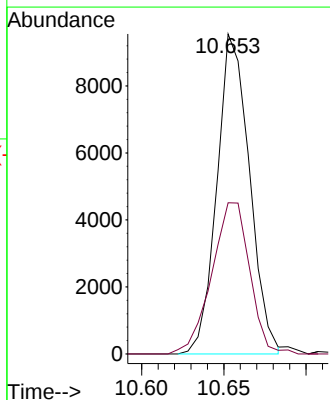
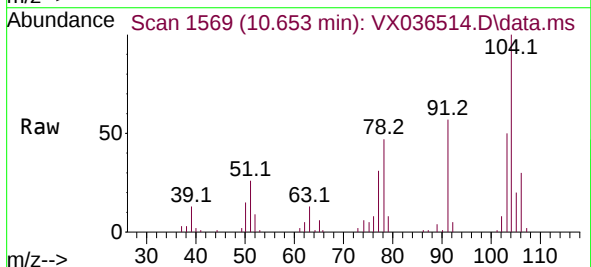
Reviewed By :John
Carlone
07/13/2023

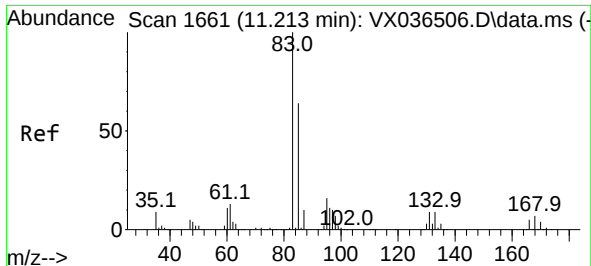
Supervised By :Semsettin
Yesilyurt
07/13/2023



#55
Styrene
Concen: 2.401 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:104 Resp: 13141
Ion Ratio Lower Upper
104 100
78 47.3 33.5 62.3





#57
1,1,2,2-Tetrachloroethane
Concen: 2.913 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

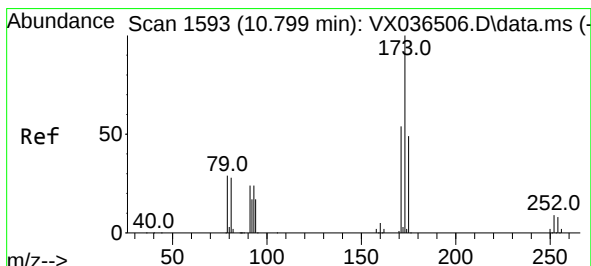
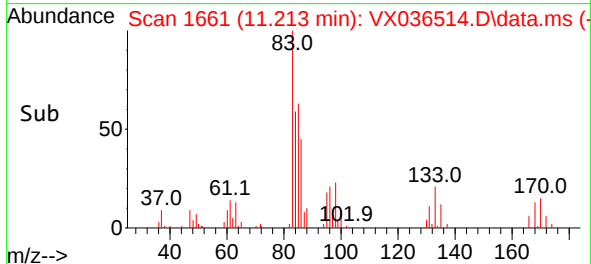
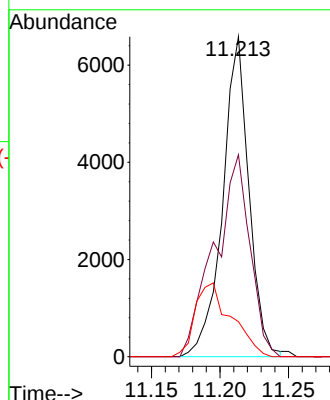
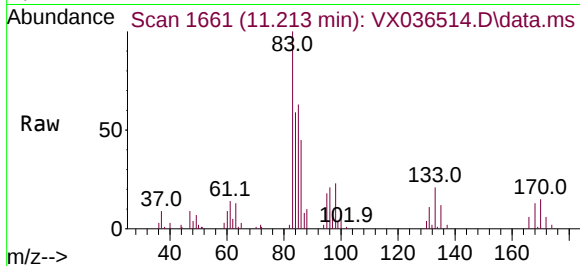
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 876
Ion Ratio Lower Upper
83 100
85 63.1 44.9 83.3
131 11.0 7.4 11.0

Manual Integrations
APPROVED

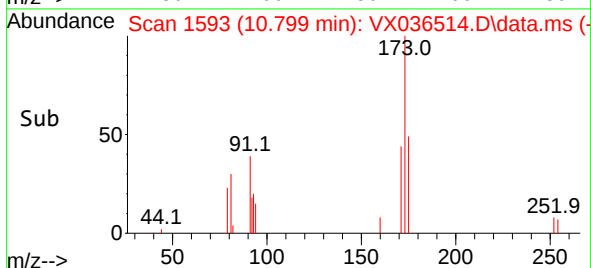
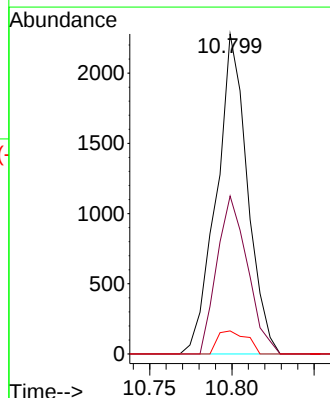
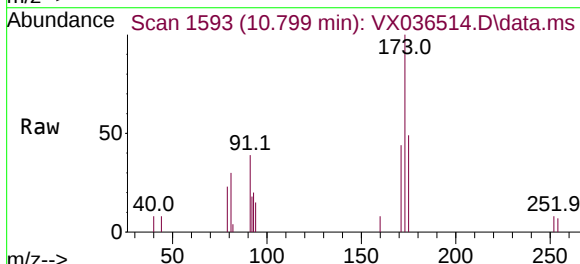
Reviewed By :John
Carlone
07/13/2023

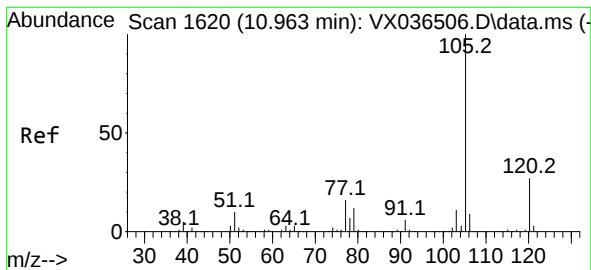
Supervised By :Semsettin
Yesilyurt
07/13/2023



#59
Bromoform
Concen: 2.168 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:173 Resp: 2984
Ion Ratio Lower Upper
173 100
175 48.7 39.5 59.3
254 6.9 7.0 10.4#





#60

Isopropylbenzene

Concen: 2.588 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:105 Resp: 21900

Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.5	32.3
77	16.7	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John

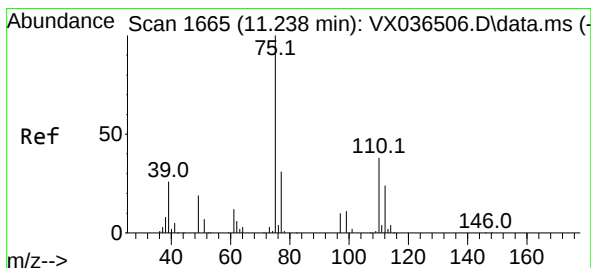
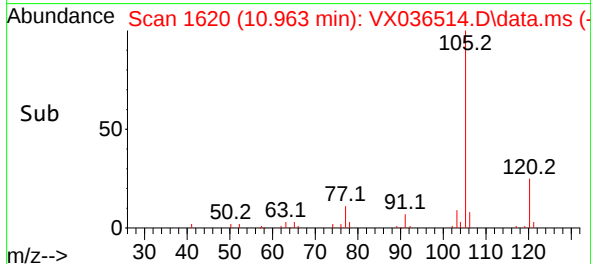
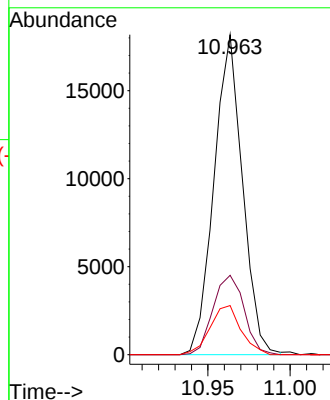
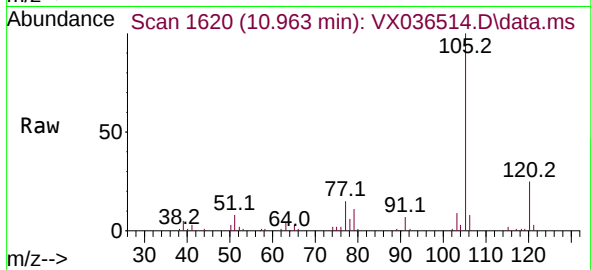
Carlone

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Supervised By :Semsettin

Yesilyurt

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#61

1,2,3-Trichloropropane

Concen: 2.699 ug/L

RT: 11.238 min Scan# 1665

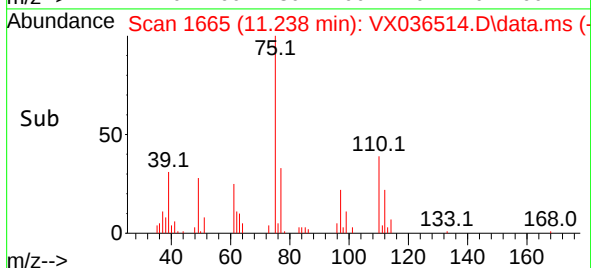
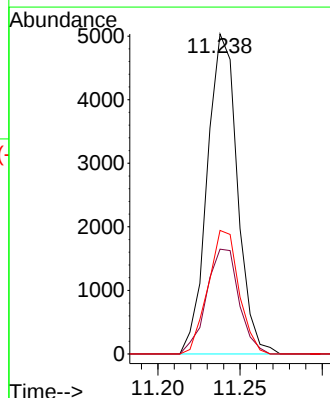
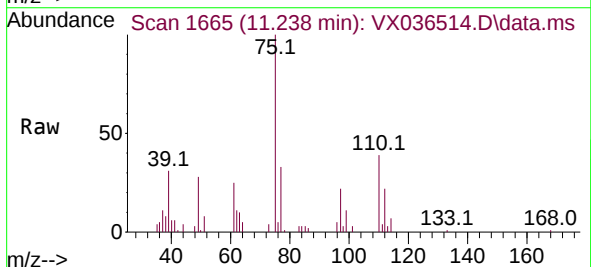
Delta R.T. 0.000 min

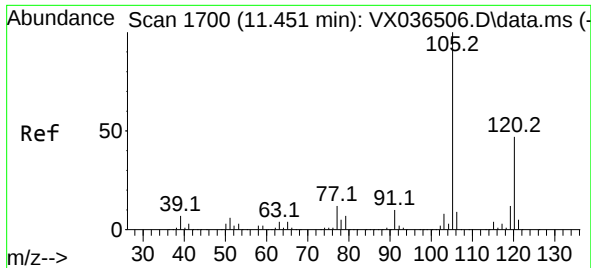
Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Tgt Ion: 75 Resp: 6414

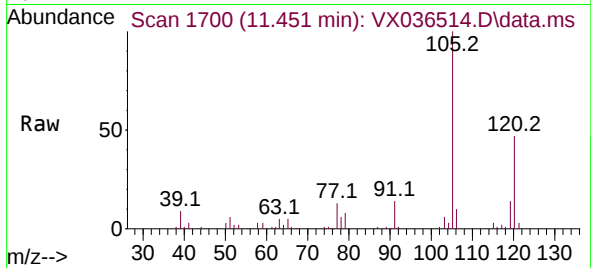
Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.4	38.0
110	39.5	29.9	44.9





#62
1,3,5-Trimethylbenzene
Concen: 2.529 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

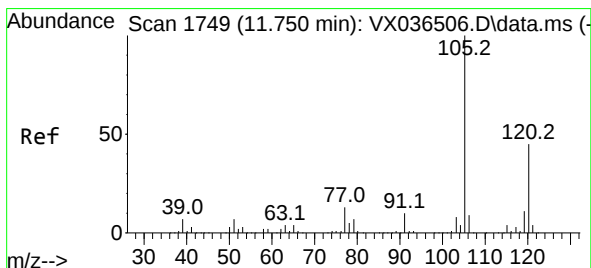
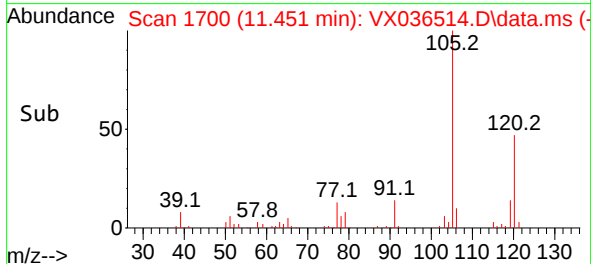
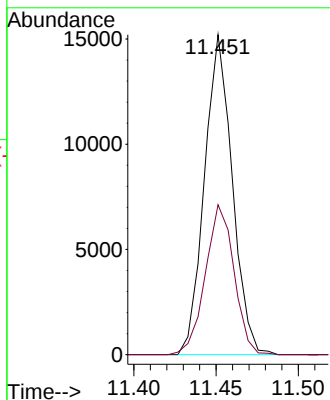


Tgt Ion:105 Resp: 17880
Ion Ratio Lower Upper
105 100
120 48.3 38.3 57.5

Manual Integrations
APPROVED

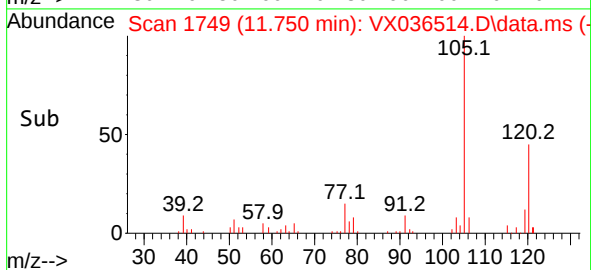
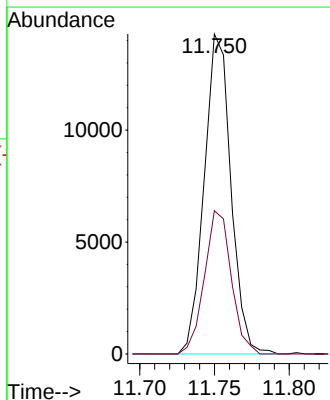
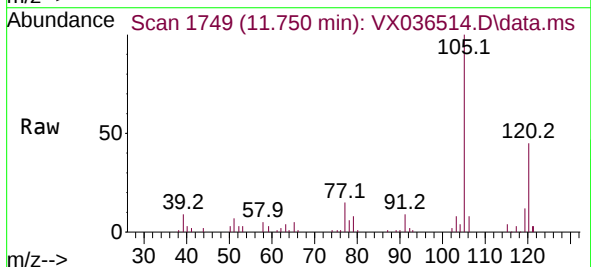
Reviewed By :John
Carlone
07/13/2023

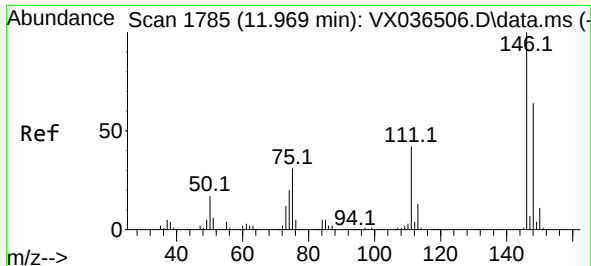
Supervised By :Semsettin
Yesilyurt
07/13/2023



#63
1,2,4-Trimethylbenzene
Concen: 2.504 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

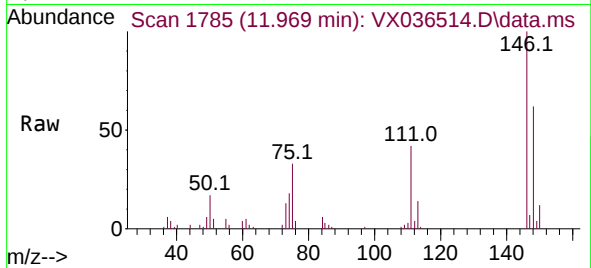
Tgt Ion:105 Resp: 17763
Ion Ratio Lower Upper
105 100
120 44.9 36.7 55.1





#64
1,3-Dichlorobenzene
Concen: 2.597 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

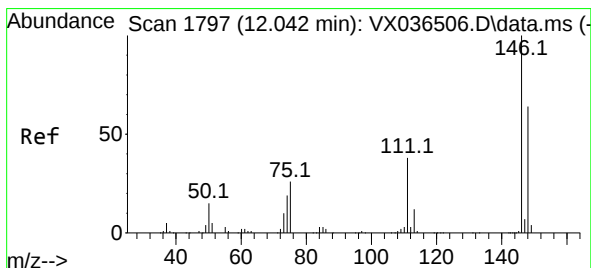
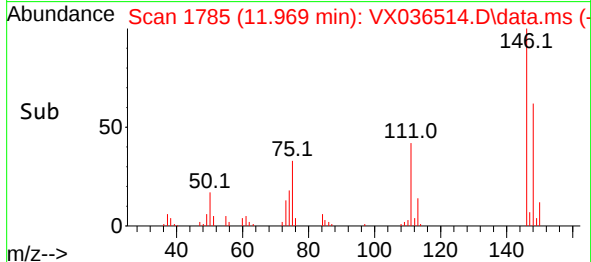
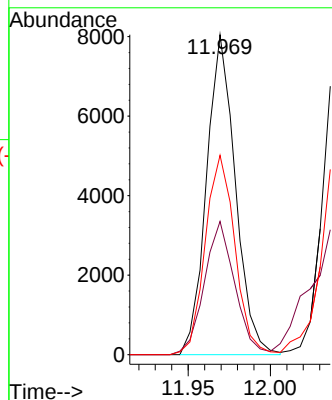


Tgt Ion:146 Resp: 983
Ion Ratio Lower Upper
146 100
111 41.6 29.5 54.7
148 62.3 44.9 83.5

Manual Integrations
APPROVED

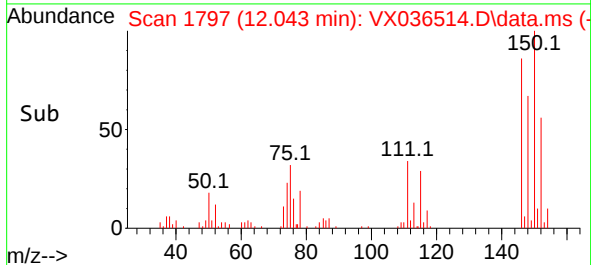
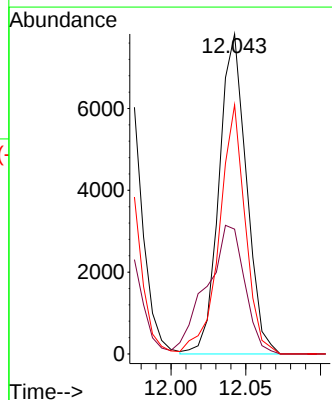
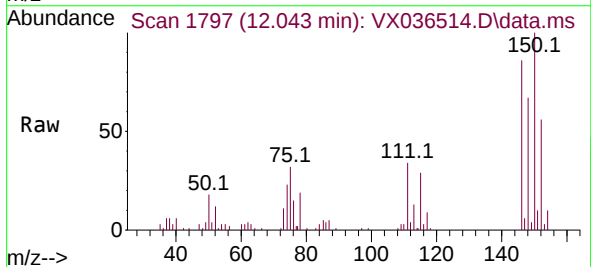
Reviewed By :John
Carlone
07/13/2023

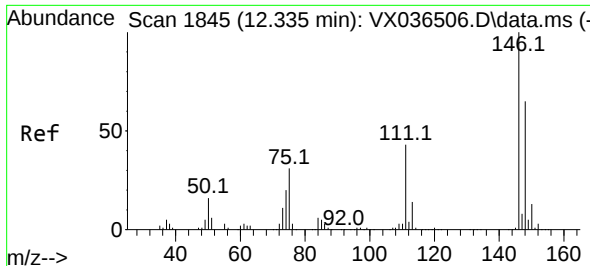
Supervised By :Semsettin
Yesilyurt
07/13/2023



#65
1,4-Dichlorobenzene
Concen: 2.598 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:146 Resp: 9933
Ion Ratio Lower Upper
146 100
111 39.0 27.1 50.3
148 77.9 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 2.734 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT3-2023-05

Tgt Ion:146	Resp:	1027
Ion Ratio	Lower	Upper
146	100	
111	45.0	34.4 51.6
148	58.9	51.9 77.9

Manual Integrations

APPROVED

Reviewed By :John

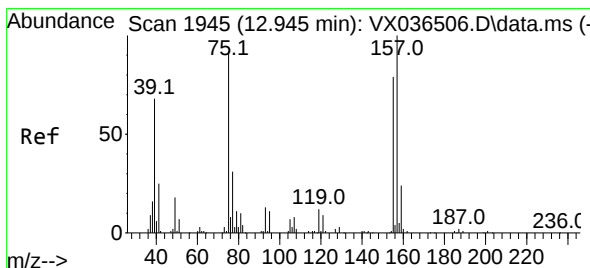
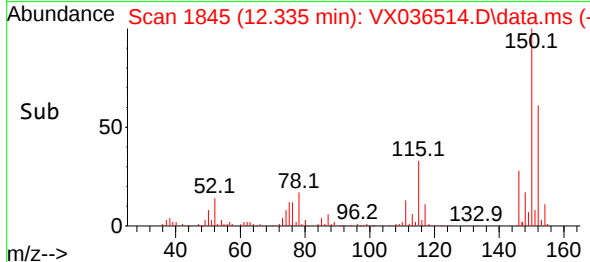
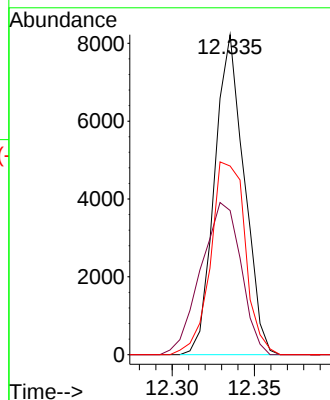
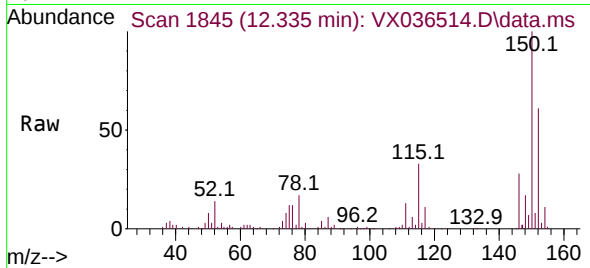
Carlone

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Supervised By :Semsettin

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#68

1,2-Dibromo-3-chloropropane

Concen: 2.460 ug/L

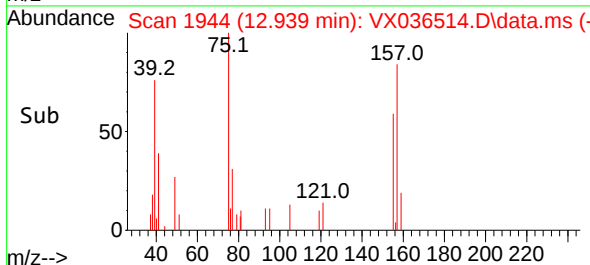
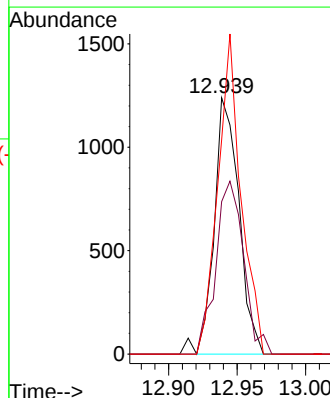
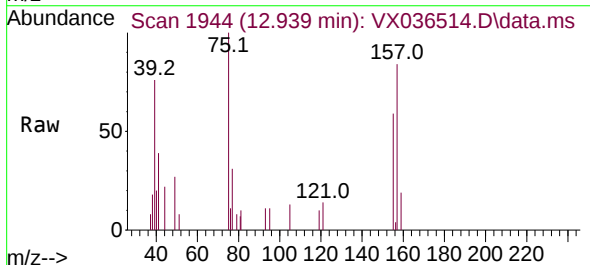
RT: 12.939 min Scan# 1944

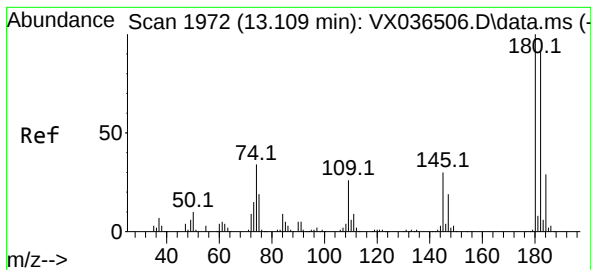
Delta R.T. -0.006 min

Lab File: VX036514.D

Acq: 12 Jul 2023 13:59

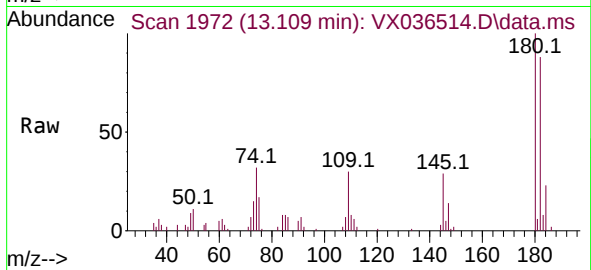
Tgt Ion: 75	Resp:	1558
Ion Ratio	Lower	Upper
75	100	
155	59.5	68.4 102.6#
157	83.6	86.8 130.2#





#69
1,3,5-Trichlorobenzene
Concen: 2.697 ug/L
RT: 13.109 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT3-2023-05

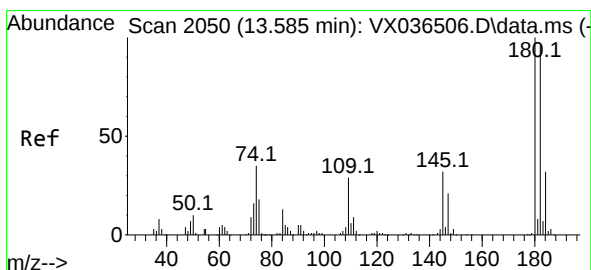
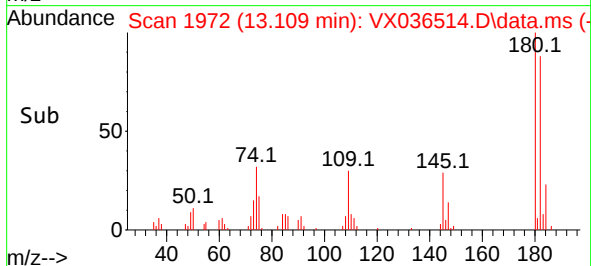
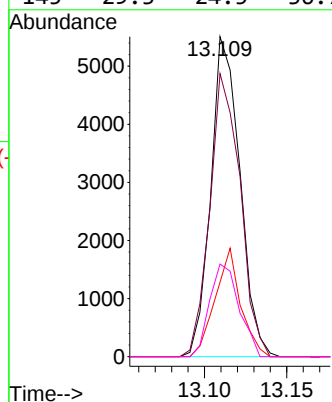


Tgt Ion:180 Resp: 6770
Ion Ratio Lower Upper
180 100
182 91.9 75.2 112.8
184 29.7 23.9 35.9
145 29.3 24.5 36.7

Manual Integrations
APPROVED

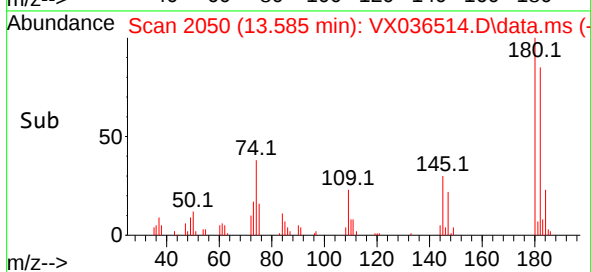
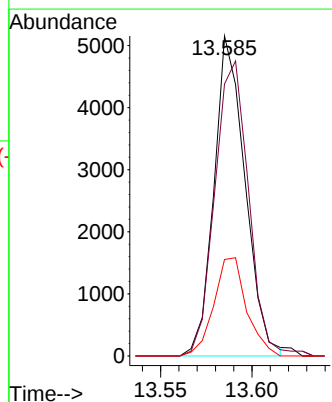
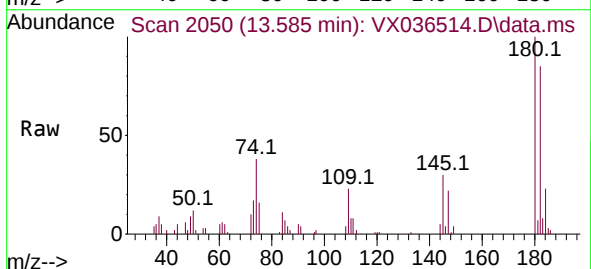
Reviewed By :John
Carlone
07/13/2023

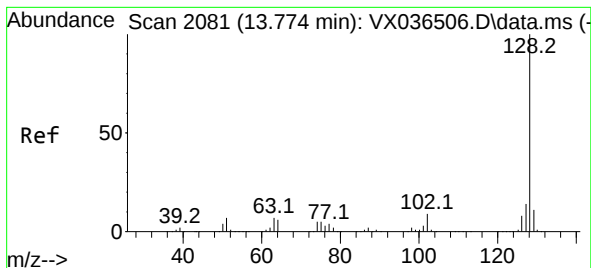
Supervised By :Semsettin
Yesilyurt
07/13/2023



#70
1,2,4-trichlorobenzene
Concen: 2.571 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

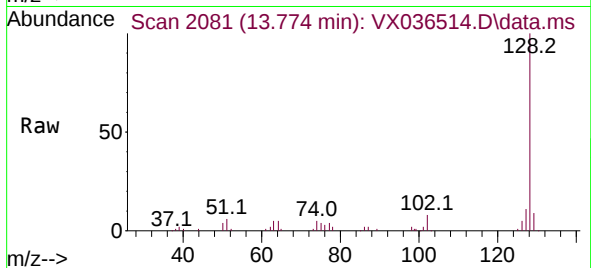
Tgt Ion:180 Resp: 6094
Ion Ratio Lower Upper
180 100
182 99.6 74.7 112.1
145 32.5 25.3 37.9





#71
Naphthalene
Concen: 2.577 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

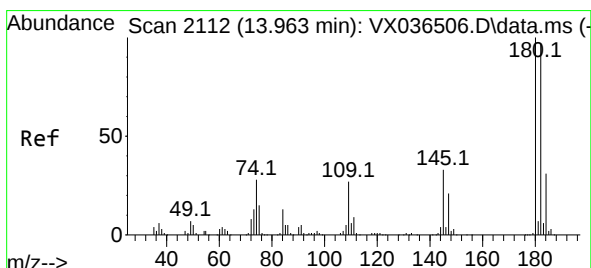
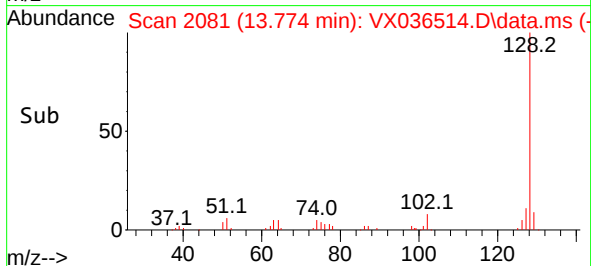
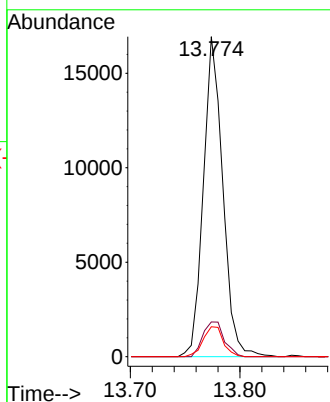


Tgt Ion:128 Resp: 20838
Ion Ratio Lower Upper
128 100
127 12.0 10.6 16.0
129 9.7 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone
07/13/2023

Supervised By :Semsettin
Yesilyurt
07/13/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.724 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX036514.D
Acq: 12 Jul 2023 13:59

Tgt Ion:180 Resp: 6290
Ion Ratio Lower Upper
180 100
182 95.2 78.6 117.8
145 31.5 27.5 41.3

