

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035002.D
 Acq On : 11 Apr 2023 11:28
 Operator : JC/MD
 Sample : 02215-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 12 02:04:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 04/12/2023
 Supervised By :Semsettin Yesilyurt 04/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	415300	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	363178	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	170855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	131838	47.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.320%		
7) Chloroethane-d5	1.672	69	107354	52.987	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.980%		
11) 1,1-Dichloroethene-d2	2.306	63	207291	36.969	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.940%		
21) 2-Butanone-d5	4.471	46	211682	115.141	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.140%		
24) Chloroform-d	5.056	84	267164	50.683	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.360%		
26) 1,2-Dichloroethane-d4	5.952	65	188411	52.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.140%		
32) Benzene-d6	5.970	84	537467	53.013	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.020%		
36) 1,2-Dichloropropane-d6	7.306	67	167964	53.855	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	107.700%		
41) Toluene-d8	8.647	98	476892	51.356	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.720%		
43) trans-1,3-Dichloroprop...	8.952	79	66604	46.504	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.000%		
47) 2-Hexanone-d5	9.384	63	137740	110.497	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.500%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	208771	53.865	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	107.720%		
66) 1,2-Dichlorobenzene-d4	12.317	152	173110	55.216	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7029	1.949	ug/L	97
3) Chloromethane	1.294	50	7079	2.088	ug/L	94
5) Vinyl chloride	1.374	62	7172	2.087	ug/L #	70
6) Bromomethane	1.618	94	4183	2.154	ug/L	98
8) Chloroethane	1.691	64	4199	2.172	ug/L	98
9) Trichlorofluoromethane	1.892	101	8757	1.832	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	7760	2.616	ug/L	85
12) 1,1-Dichloroethene	2.319	96	6347	2.404	ug/L #	1
13) Acetone	2.404	43	8007	4.405	ug/L	74
14) Carbon disulfide	2.514	76	11082	1.561	ug/L	99
15) Methyl Acetate	2.715	43	6204	1.989	ug/L #	86
16) Methylene chloride	2.788	84	6764	2.335	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	5079	1.871	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	19064	2.009	ug/L	98
19) 1,1-Dichloroethane	3.611	63	10572	1.955	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	6243	2.010	ug/L	87
22) 2-Butanone	4.593	43	10299m	4.435	ug/L	
23) Bromochloromethane	4.904	128	3228	2.101	ug/L	86
25) Chloroform	5.099	83	15070	2.718	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	9551	2.034	ug/L	99
29) Cyclohexane	5.471	56	9344	1.871	ug/L	94
30) 1,1,1-Trichloroethane	5.385	97	8778	1.828	ug/L	98
31) Carbon tetrachloride	5.672	117	6878	1.662	ug/L	94
33) Benzene	6.037	78	23568	2.035	ug/L	100
34) Trichloroethene	7.129	95	6263	2.006	ug/L	94
35) Methylcyclohexane	7.379	83	9172	2.037	ug/L	97
37) 1,2-Dichloropropane	7.427	63	6133	1.998	ug/L #	95
38) Bromodichloromethane	7.818	83	6533	1.682	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	8663	1.847	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	15657	3.839	ug/L	100
42) Toluene	8.720	91	24142	2.013	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	7861	1.820	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	5787	2.022	ug/L	92
46) Tetrachloroethene	9.275	164	4867	2.092	ug/L	89
48) 2-Hexanone	9.433	43	14005	4.381	ug/L	97
49) Dibromochloromethane	9.519	129	4907	1.743	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5788	1.927	ug/L	93
51) Chlorobenzene	10.079	112	15786	2.042	ug/L	94
52) Ethylbenzene	10.195	91	26873	1.974	ug/L	94
53) m,p-Xylene	10.299	106	9366	1.826	ug/L	96
54) o-Xylene	10.640	106	9482	1.876	ug/L	92
55) Styrene	10.653	104	15096	1.782	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	9774	2.300	ug/L	95
59) Bromoform	10.799	173	2979	1.635	ug/L #	93
60) Isopropylbenzene	10.963	105	23302	1.868	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	7353	2.244	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	19154	1.851	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	18839	1.844	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	11231	2.021	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11688	2.080	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	11878	2.169	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	1409	1.680	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	6928	1.993	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	6084	1.881	ug/L	96
71) Naphthalene	13.780	128	19982	1.808	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	6190	1.906	ug/L	97

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

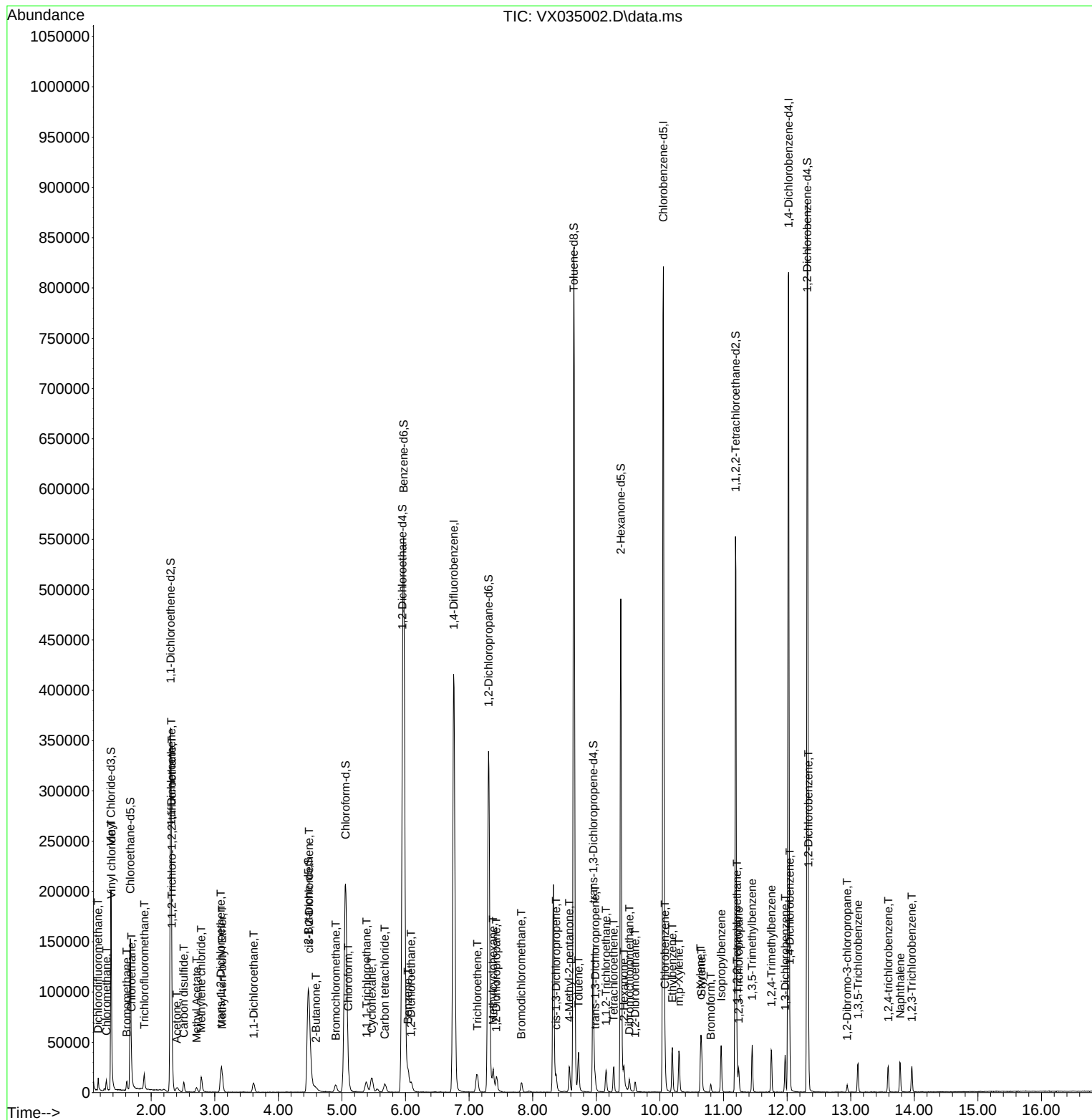
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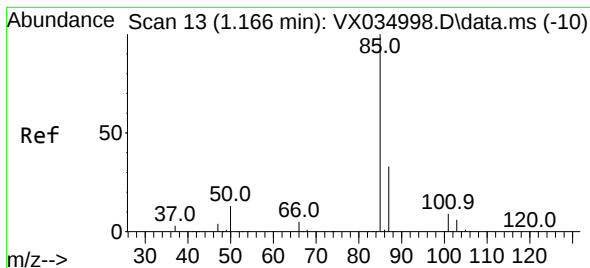
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

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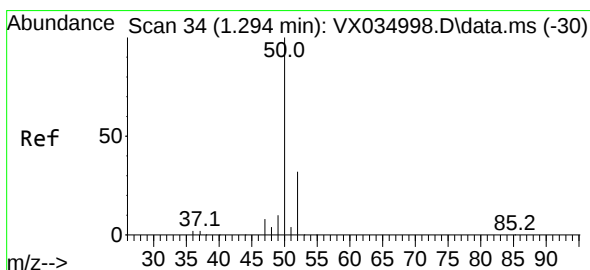
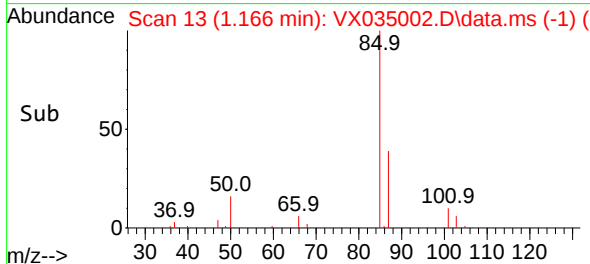
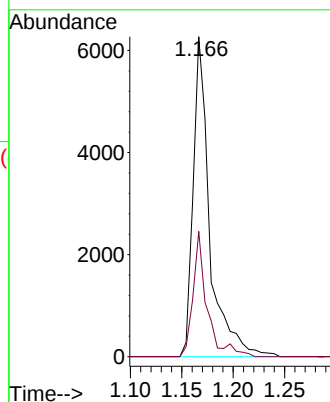
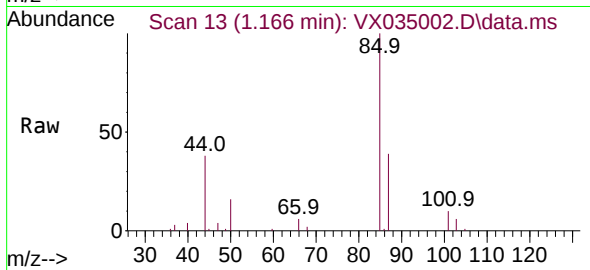
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Dichlorodifluoromethane
Concen: 1.949 ug/L
RT: 1.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 85 Resp: 7029
Ion Ratio Lower Upper
85 100
87 30.4 25.7 38.5

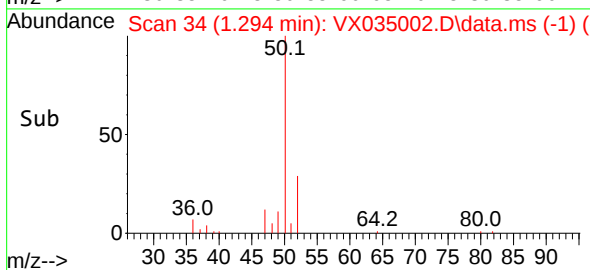
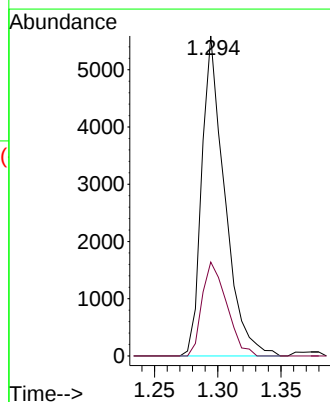
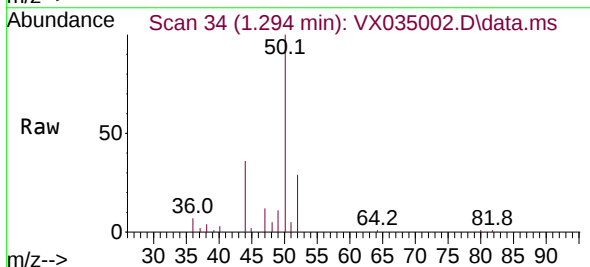
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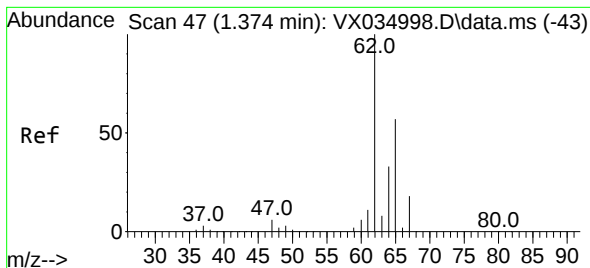
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#3
Chloromethane
Concen: 2.088 ug/L
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

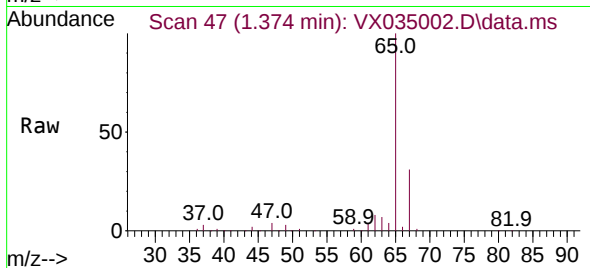
Tgt Ion: 50 Resp: 7079
Ion Ratio Lower Upper
50 100
52 29.3 22.9 42.5





#5
 Vinyl chloride
 Concen: 2.087 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

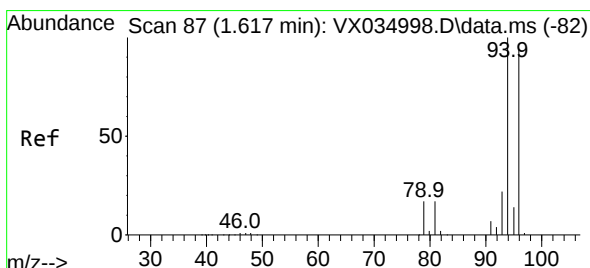
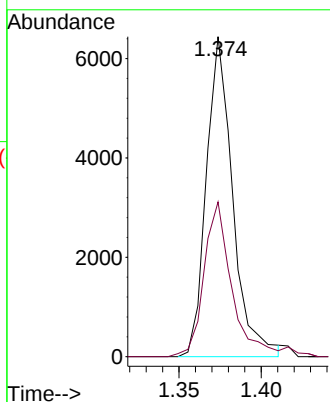
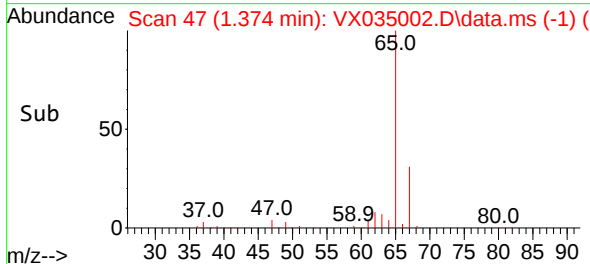
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 62 Resp: 7172
 Ion Ratio Lower Upper
 62 100
 64 48.3 22.3 41.3

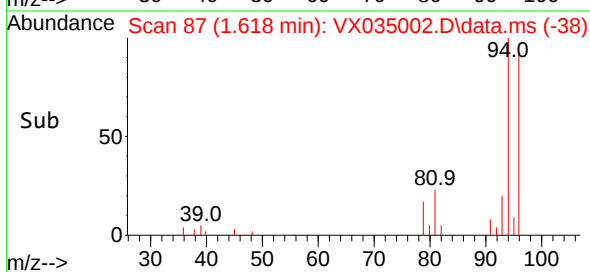
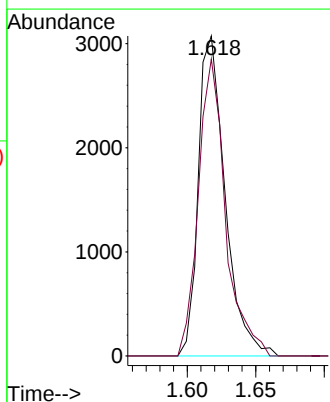
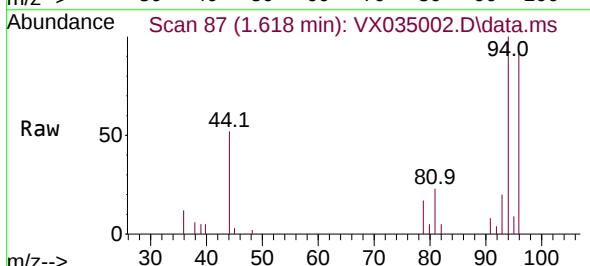
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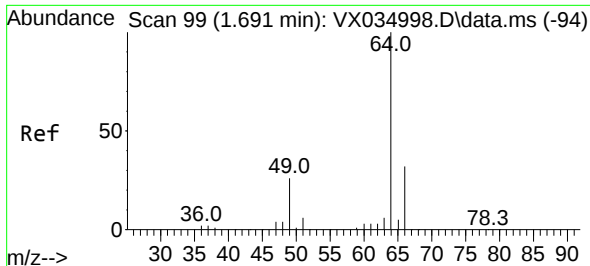
Reviewed By :John Carlone 04/12/2023
 Supervised By :Semsettin Yesilyurt 04/12/2023



#6
 Bromomethane
 Concen: 2.154 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

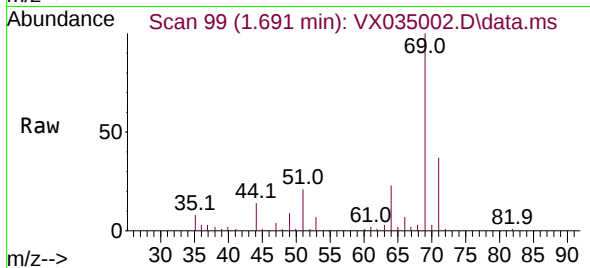
Tgt Ion: 94 Resp: 4183
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.6 123.6





#8
Chloroethane
Concen: 2.172 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

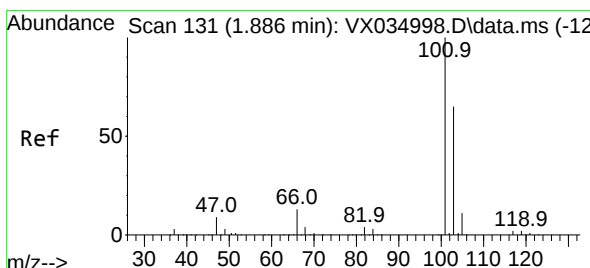
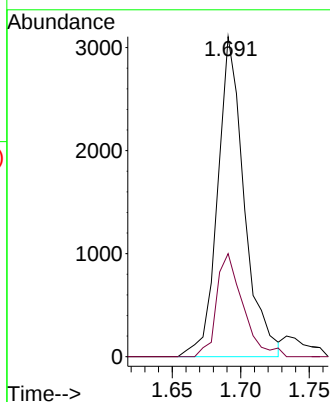
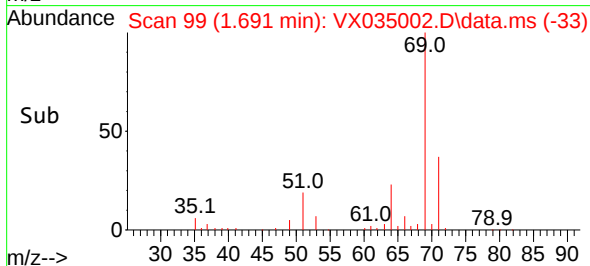
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 64 Resp: 4199
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4

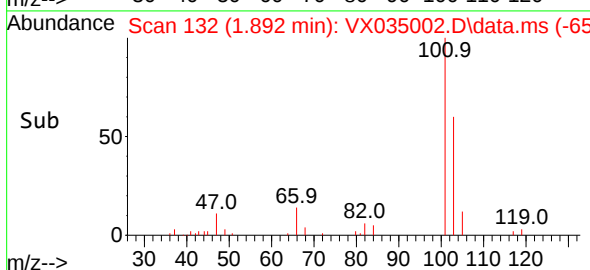
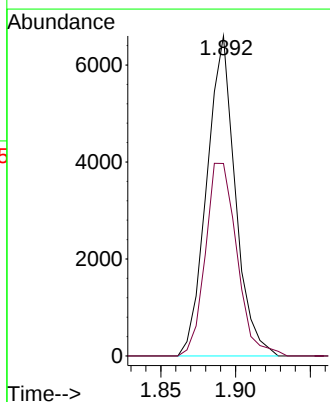
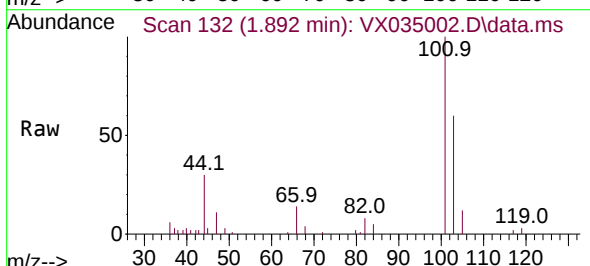
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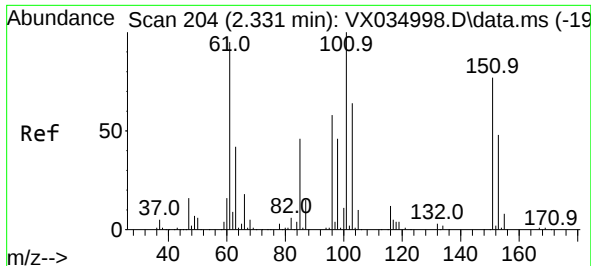
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#9
Trichlorofluoromethane
Concen: 1.832 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:101 Resp: 8757
Ion Ratio Lower Upper
101 100
103 66.3 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.616 ug/L

RT: 2.325 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

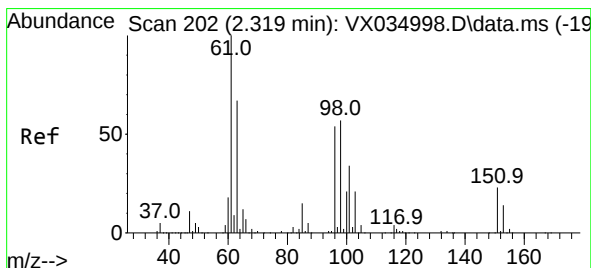
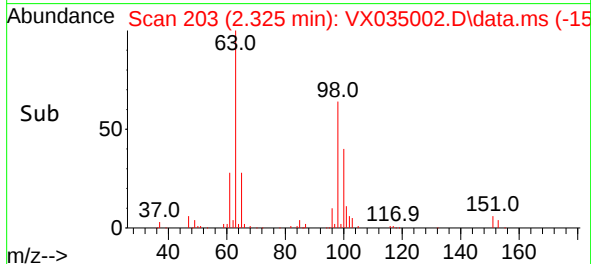
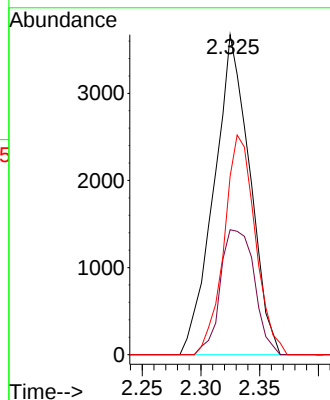
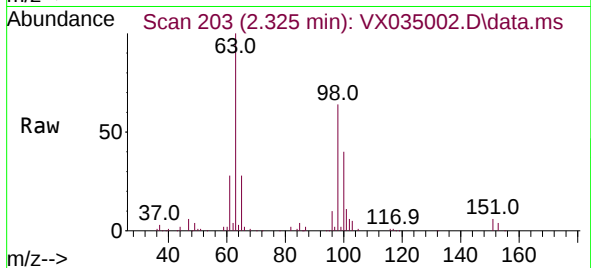
Tgt Ion:101 Resp: 7760
 Ion Ratio Lower Upper
 101 100
 85 37.2 36.4 54.6
 151 60.1 59.7 89.5

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.404 ug/L

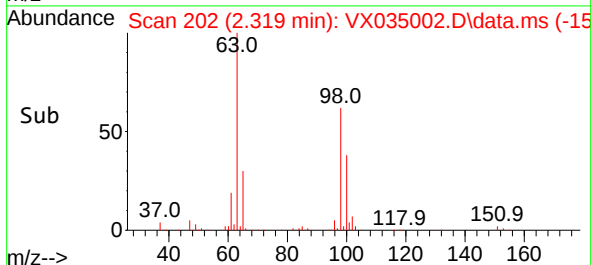
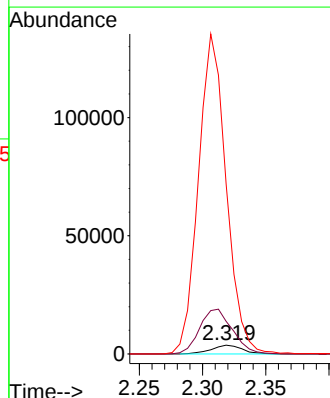
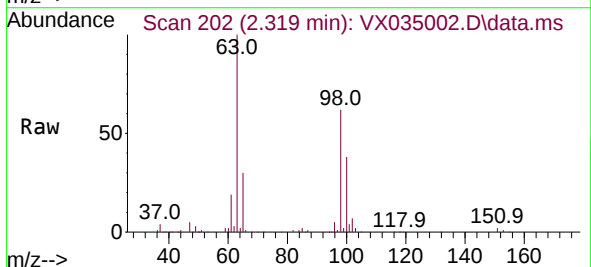
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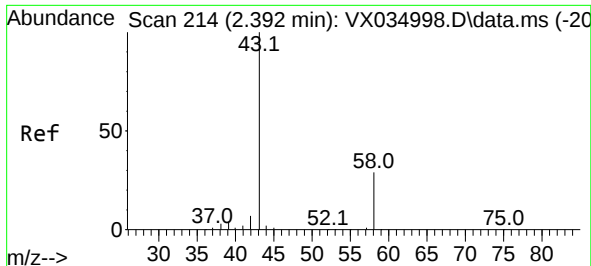
Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion: 96 Resp: 6347
 Ion Ratio Lower Upper
 96 100
 61 371.2 132.4 245.8#
 63 1930.3 105.5 195.9#





#13

Acetone

Concen: 4.405 ug/L

RT: 2.404 min Scan# 214

Delta R.T. 0.012 min

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Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

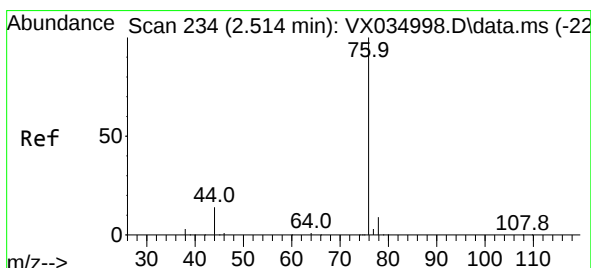
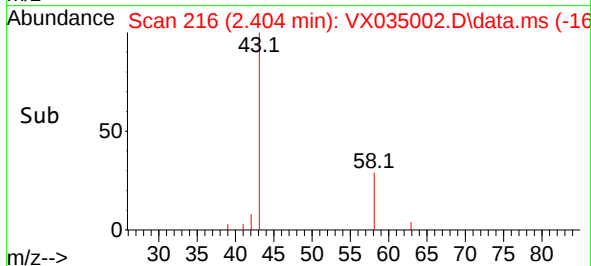
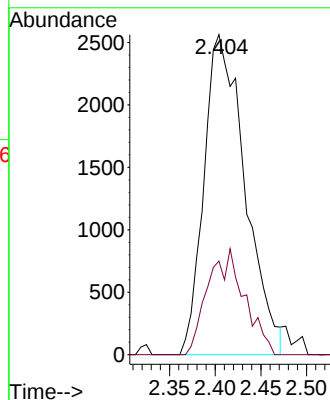
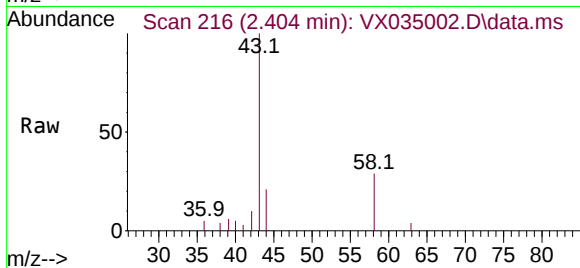
58 15.0 0.0 57.4

Manual Integrations

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#14

Carbon disulfide

Concen: 1.561 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX035002.D

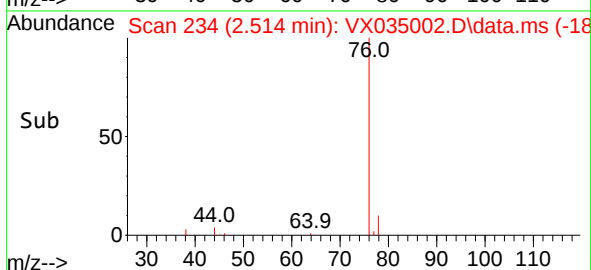
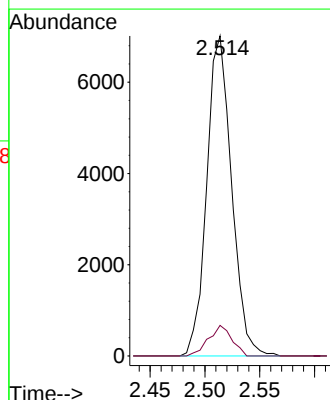
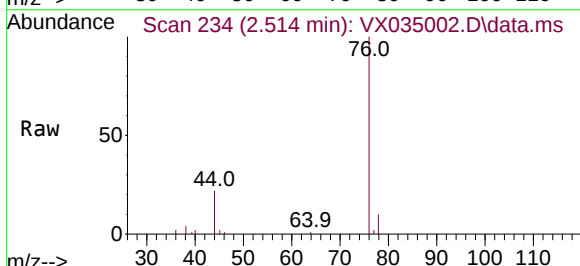
Acq: 11 Apr 2023 11:28

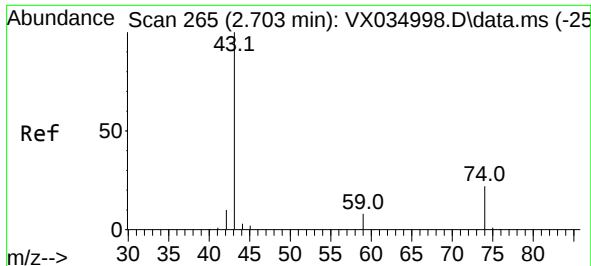
Tgt Ion: 76 Resp: 11082

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





#15

Methyl Acetate

Concen: 1.989 ug/L

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 6204

Ion Ratio Lower Upper

43 100

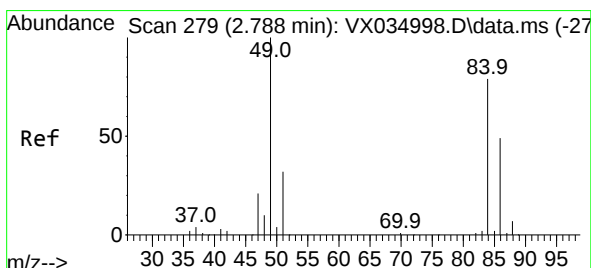
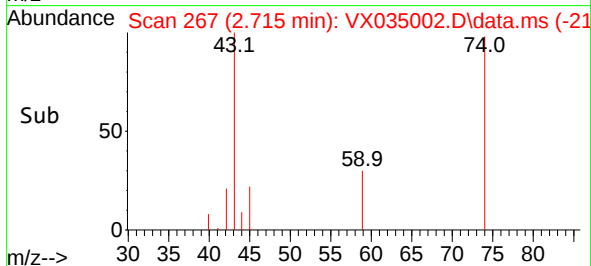
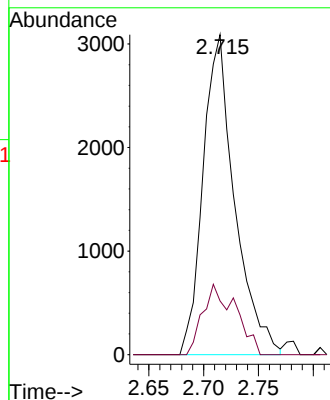
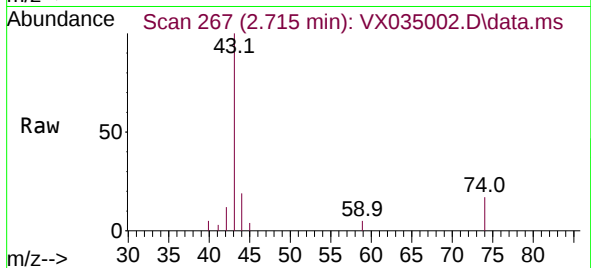
74 15.2 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#16

Methylene chloride

Concen: 2.335 ug/L

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

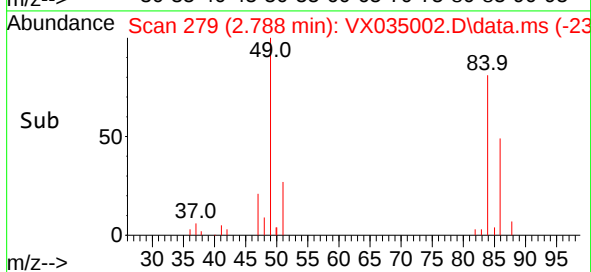
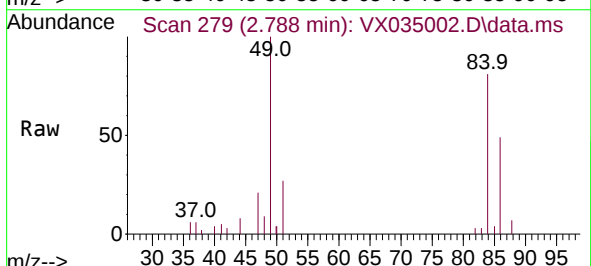
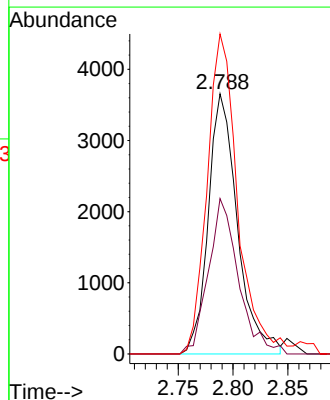
Tgt Ion: 84 Resp: 6764

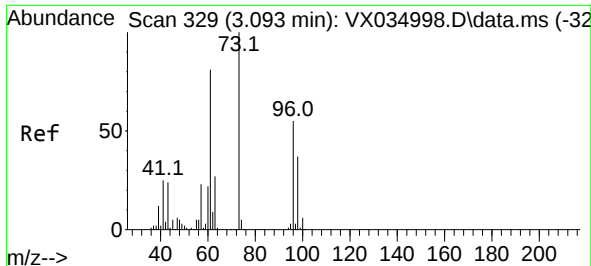
Ion Ratio Lower Upper

84 100

86 59.7 44.7 82.9

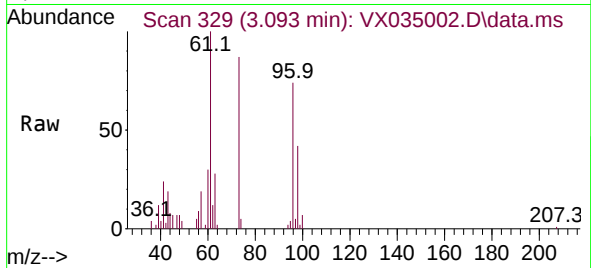
49 123.0 92.3 171.5





#17
trans-1,2-Dichloroethene
Concen: 1.871 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

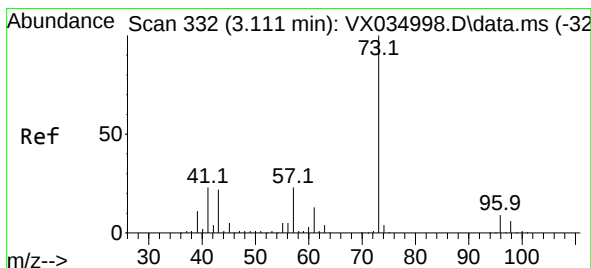
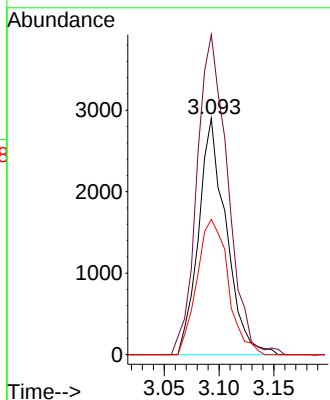
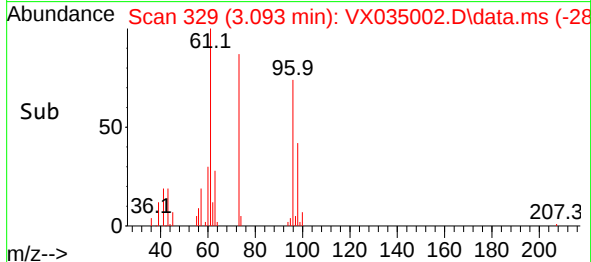
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 96 Resp: 5079
Ion Ratio Lower Upper
96 100
61 135.4 102.0 189.4
98 57.3 44.2 82.0

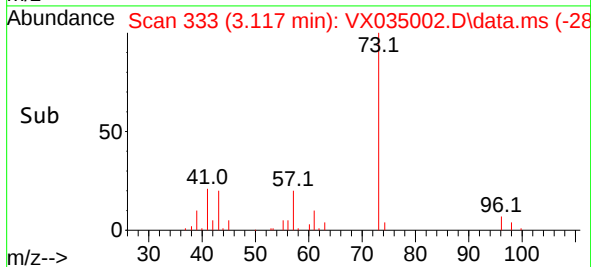
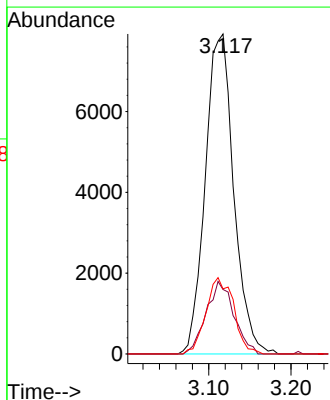
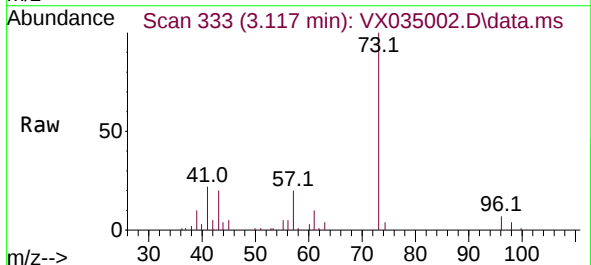
Manual Integrations
APPROVED

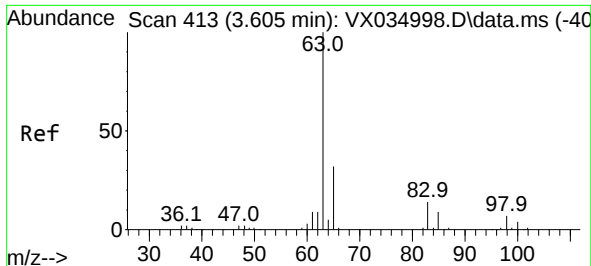
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#18
Methyl tert-butyl Ether
Concen: 2.009 ug/L
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 73 Resp: 19064
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.2
57 23.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 1.955 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

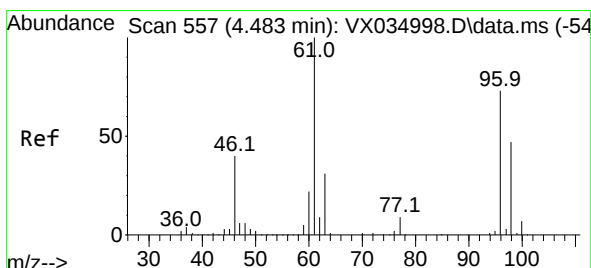
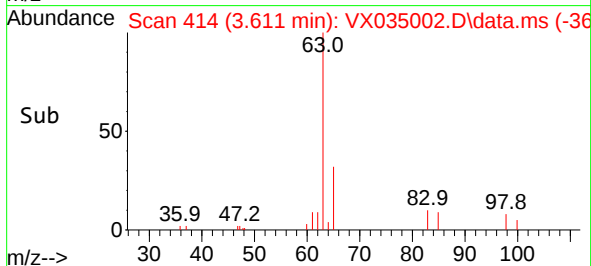
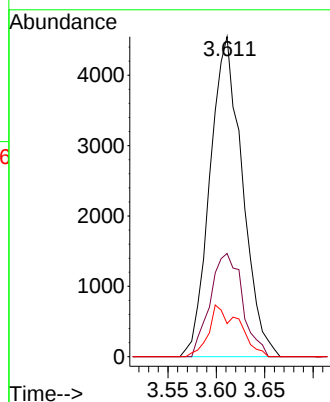
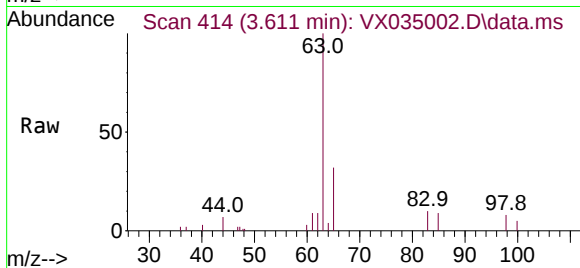
Tgt Ion: 63	Resp: 1057
Ion Ratio	Lower Upper
63 100	
65 32.3	22.1 41.1
83 10.4	9.7 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#20

cis-1,2-Dichloroethene

Concen: 2.010 ug/L

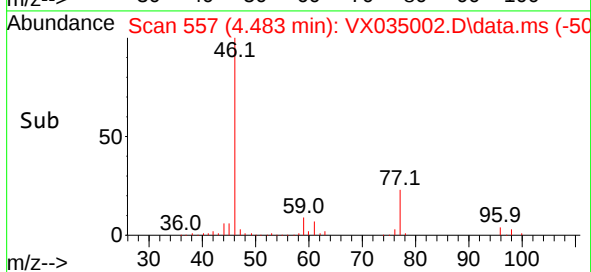
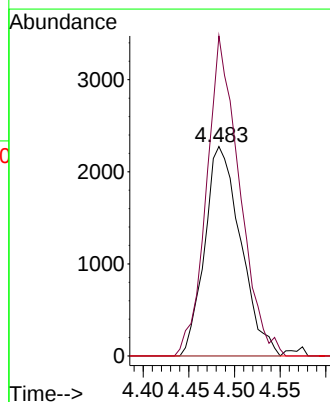
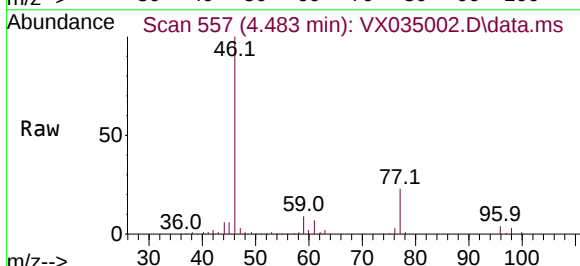
RT: 4.483 min Scan# 557

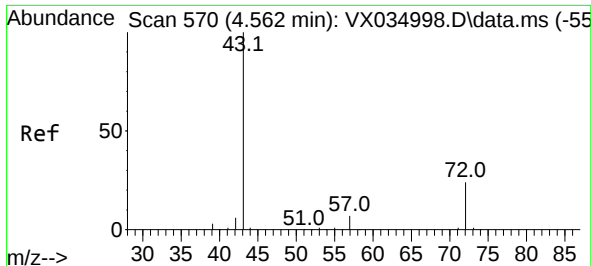
Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

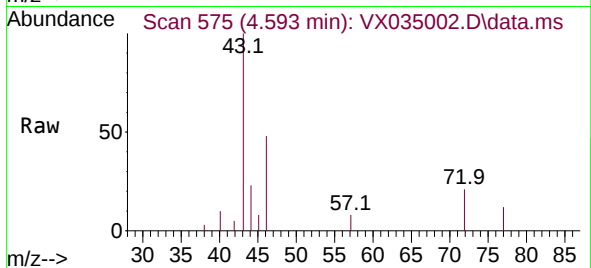
Tgt Ion: 96	Resp: 6243
Ion Ratio	Lower Upper
96 100	
61 152.8	95.7 177.7
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 4.435 ug/L m
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

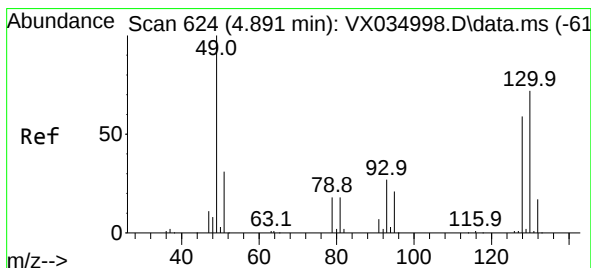
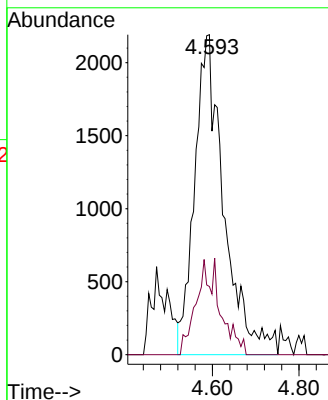
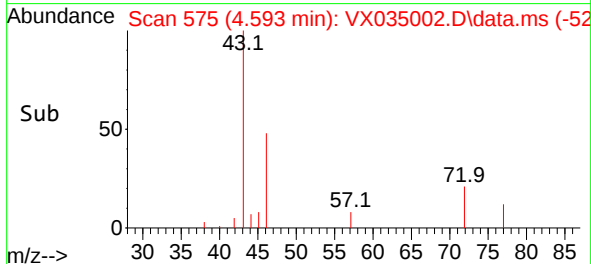
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
72 7.3 11.5 34.5

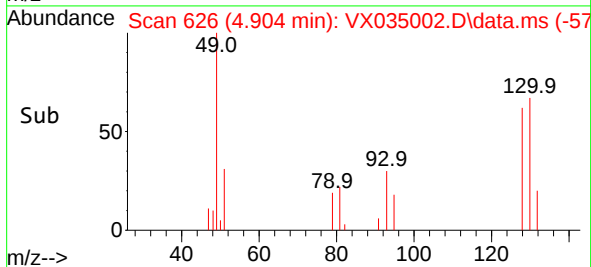
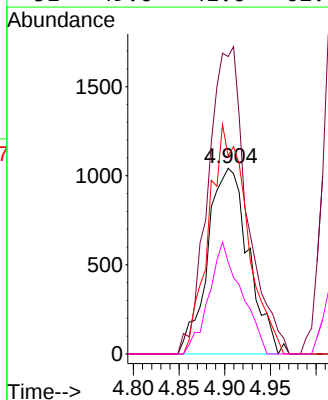
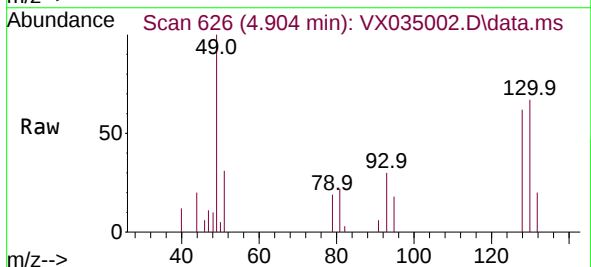
Manual Integrations
APPROVED

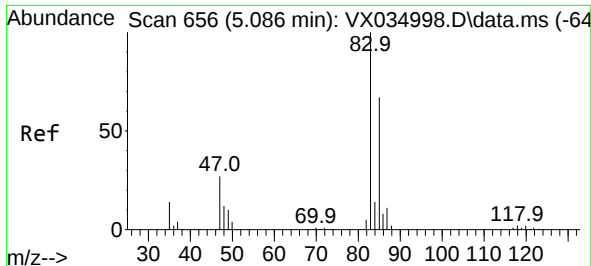
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#23
Bromochloromethane
Concen: 2.101 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

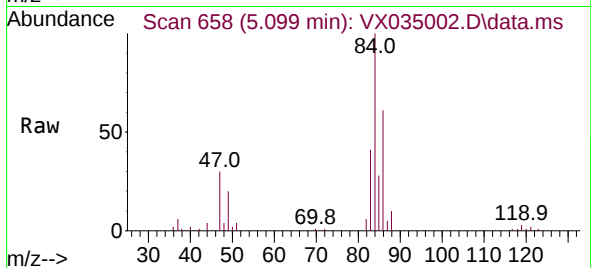
Tgt Ion:128 Resp: 3228
Ion Ratio Lower Upper
128 100
49 160.2 123.9 230.1
130 106.6 92.1 171.1
51 49.6 41.6 62.4





#25
Chloroform
Concen: 2.718 ug/L
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

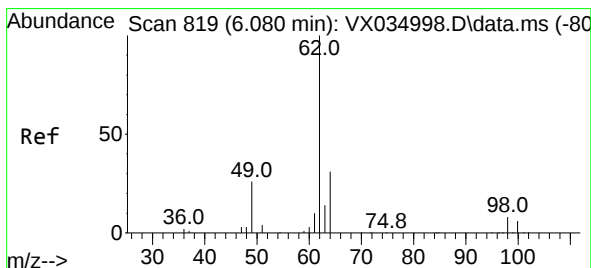
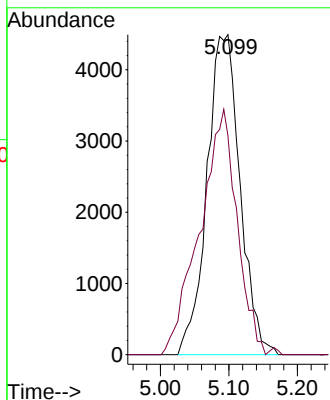
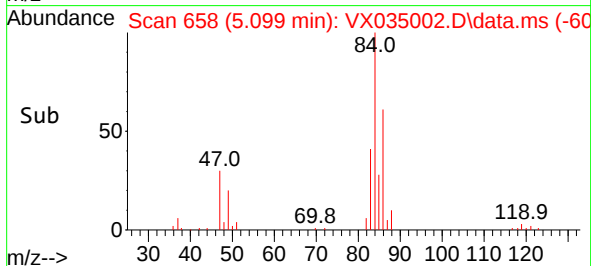
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 83 Resp: 15070
Ion Ratio Lower Upper
83 100
85 68.3 45.1 83.9

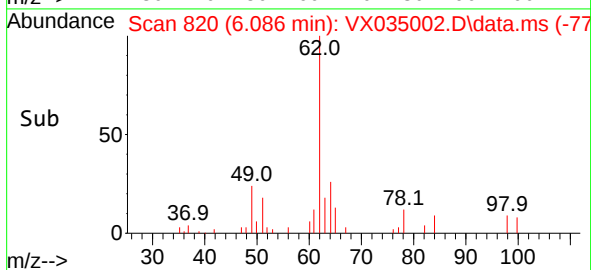
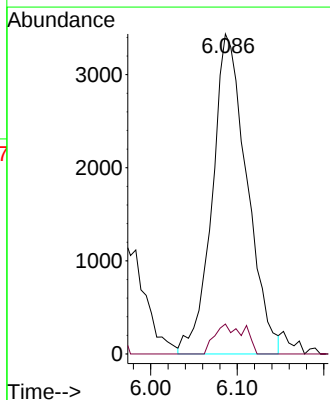
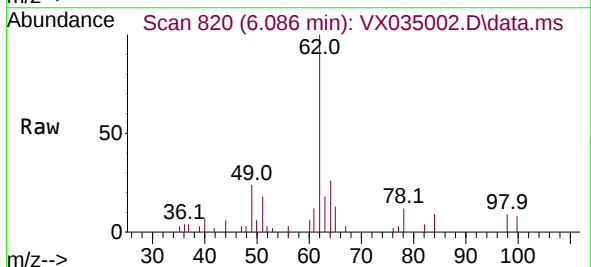
Manual Integrations
APPROVED

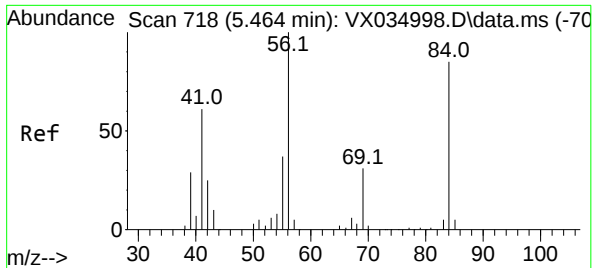
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#27
1,2-Dichloroethane
Concen: 2.034 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

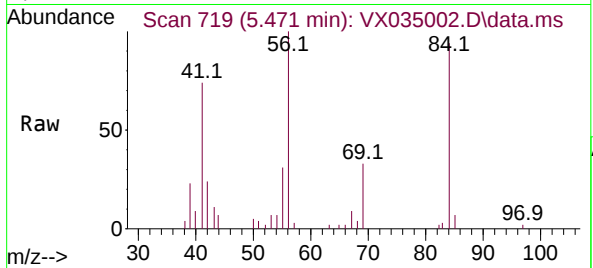
Tgt Ion: 62 Resp: 9551
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.6





#29
Cyclohexane
Concen: 1.871 ug/L
RT: 5.471 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

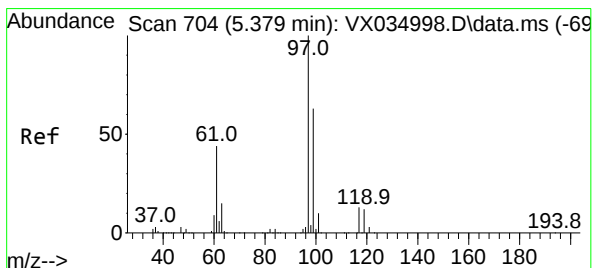
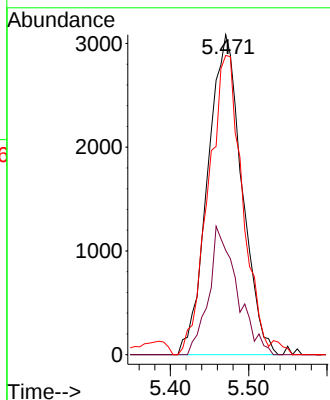
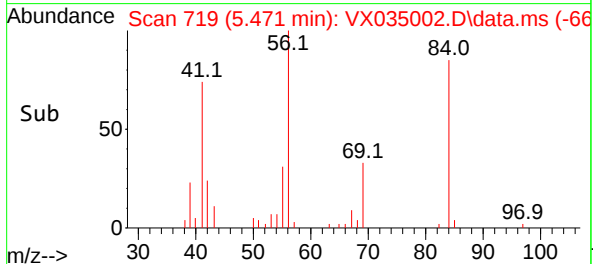
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



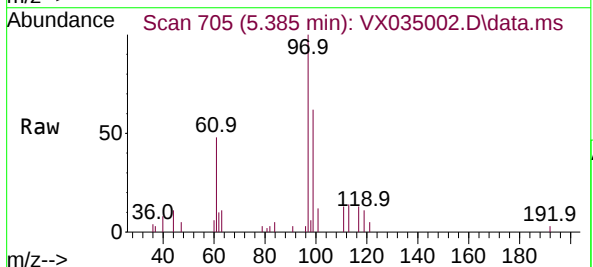
Tgt Ion: 56 Resp: 9344
Ion Ratio Lower Upper
56 100
69 28.2 24.5 36.7
84 92.8 69.4 104.2

Manual Integrations
APPROVED

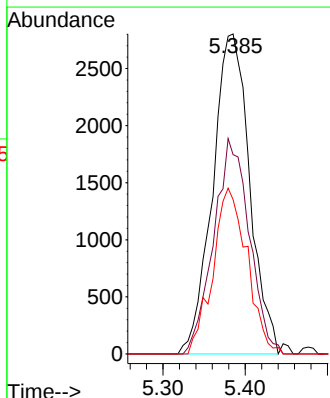
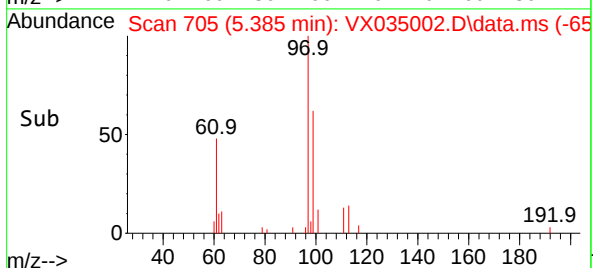
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

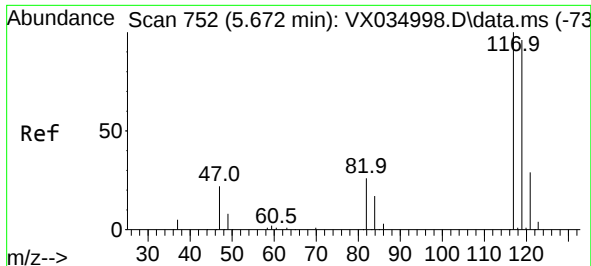


#30
1,1,1-Trichloroethane
Concen: 1.828 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28



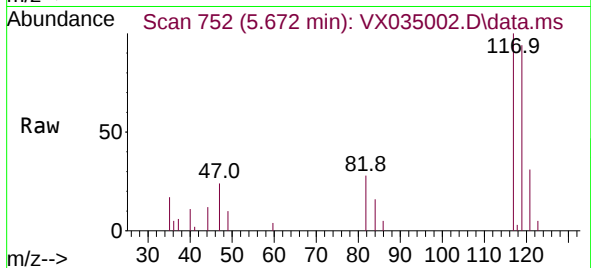
Tgt Ion: 97 Resp: 8778
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 47.9 36.8 55.2





#31
Carbon tetrachloride
Concen: 1.662 ug/L
RT: 5.672 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

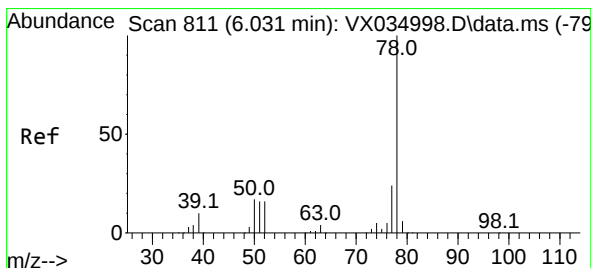
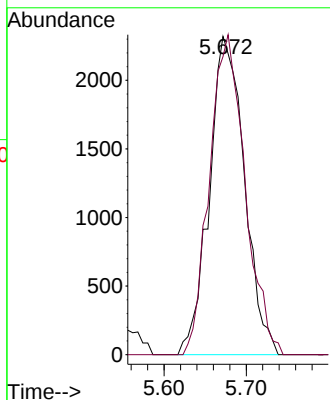
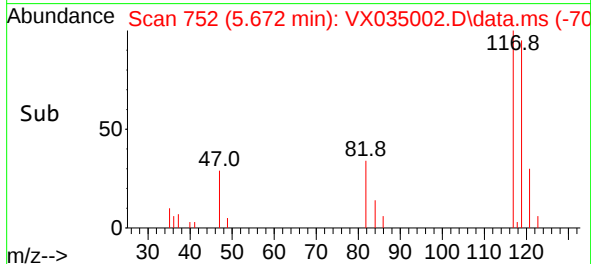
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:117 Resp: 6878
Ion Ratio Lower Upper
117 100
119 102.2 76.7 115.1

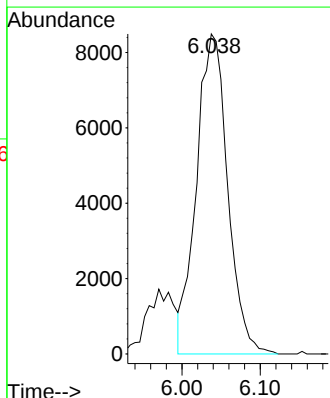
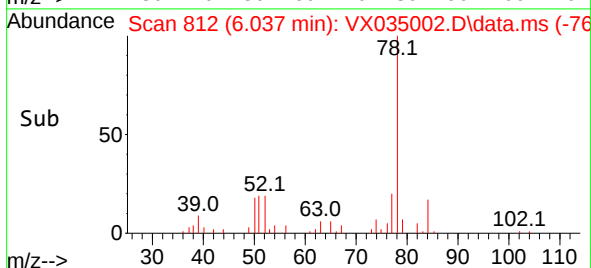
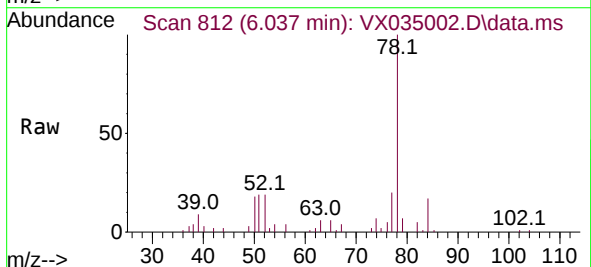
Manual Integrations
APPROVED

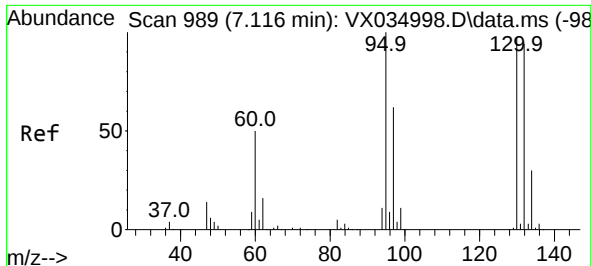
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#33
Benzene
Concen: 2.035 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

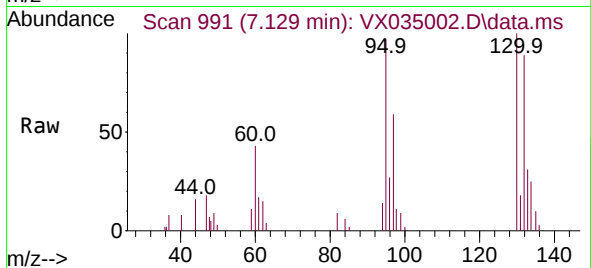
Tgt Ion: 78 Resp: 23568





#34
Trichloroethene
Concen: 2.006 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

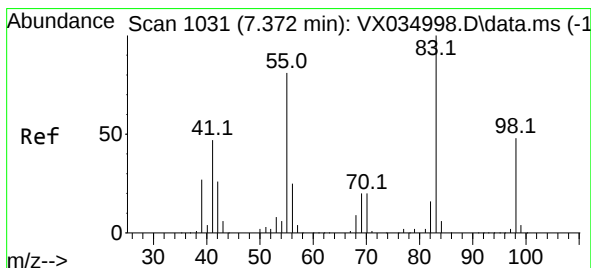
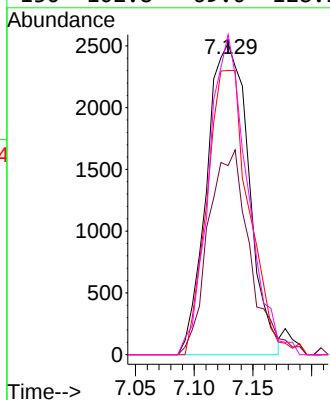
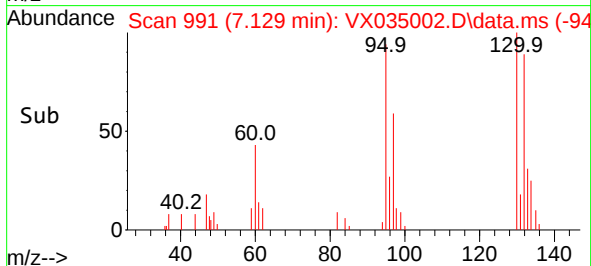
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 95 Resp: 626
Ion Ratio Lower Upper
95 100
97 72.4 45.4 84.2
132 91.3 66.8 124.0
130 102.8 69.0 128.1

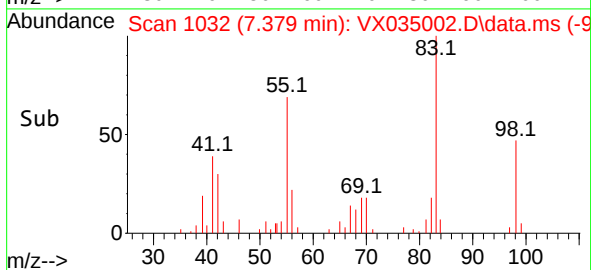
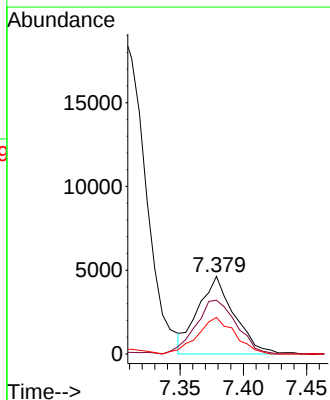
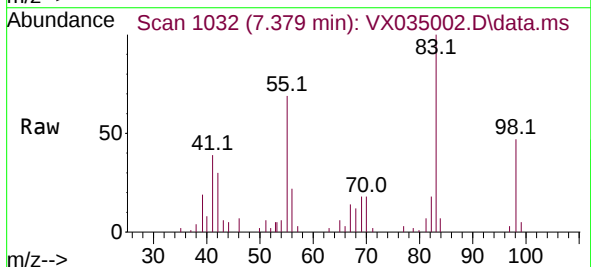
Manual Integrations
APPROVED

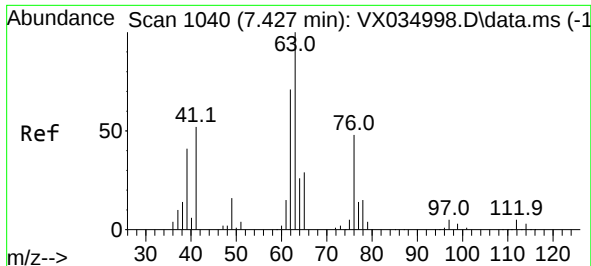
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#35
Methylcyclohexane
Concen: 2.037 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 83 Resp: 9172
Ion Ratio Lower Upper
83 100
55 77.9 65.0 97.6
98 48.7 38.7 58.1





#37

1,2-Dichloropropane

Concen: 1.998 ug/L

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

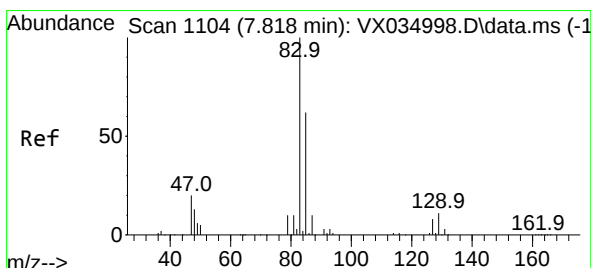
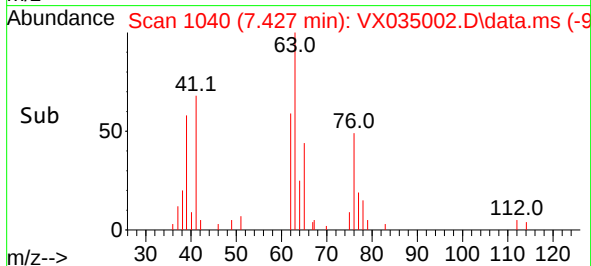
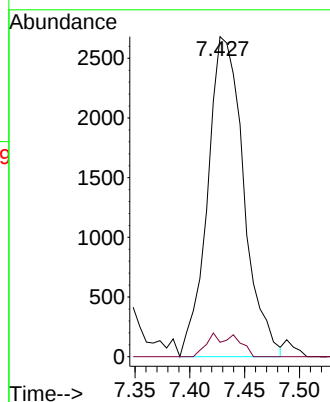
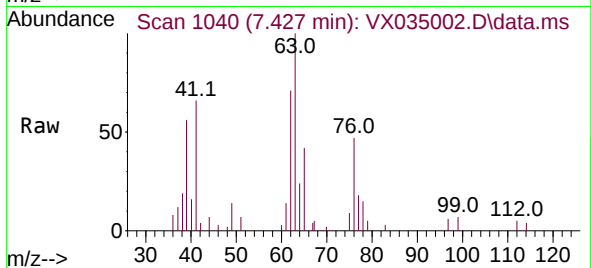
Tgt Ion: 63 Resp: 613
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#38

Bromodichloromethane

Concen: 1.682 ug/L

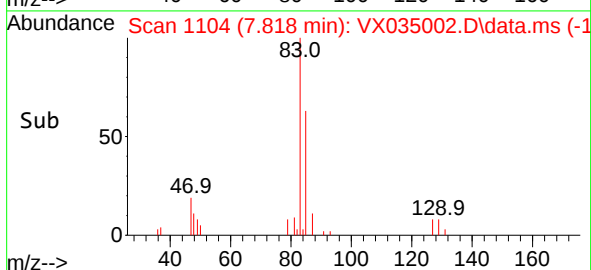
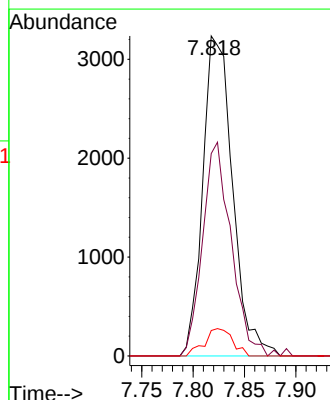
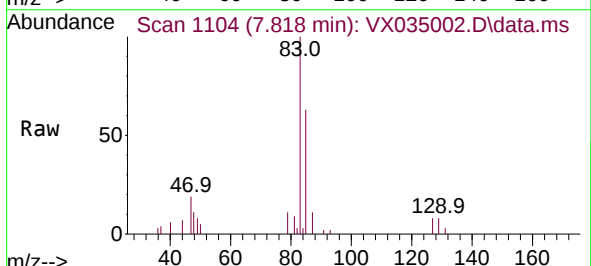
RT: 7.818 min Scan# 1104

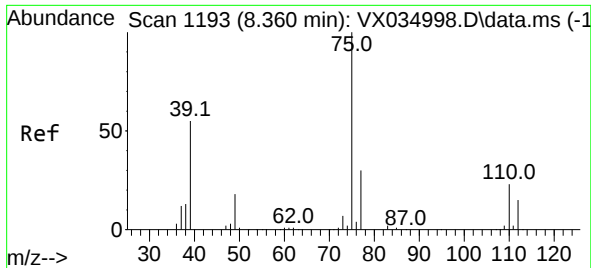
Delta R.T. 0.000 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion: 83 Resp: 6533
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.6 84.6
 127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 1.847 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 75 Resp: 866

Ion Ratio Lower Upper

75 100

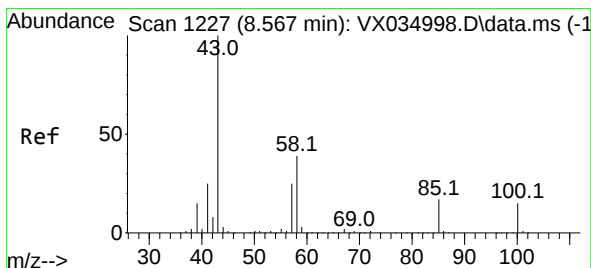
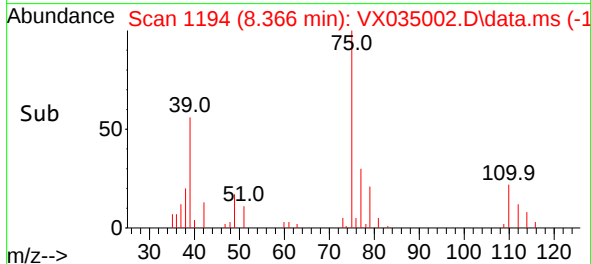
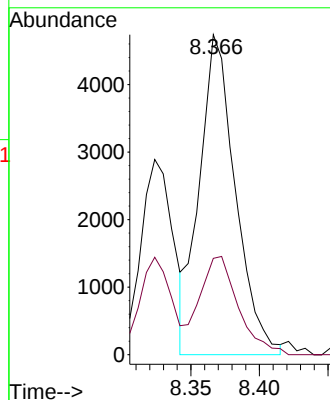
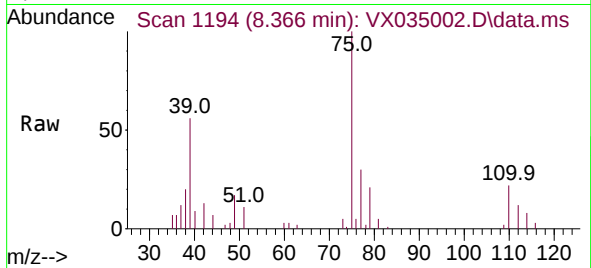
77 30.1 21.9 40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#40

4-Methyl-2-pentanone

Concen: 3.839 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

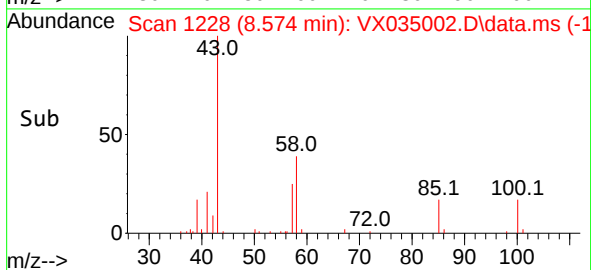
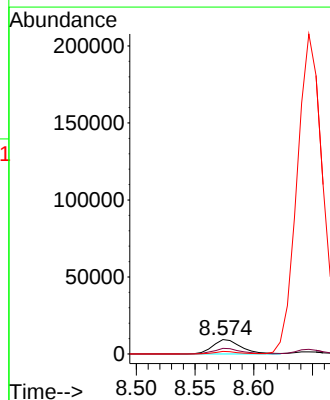
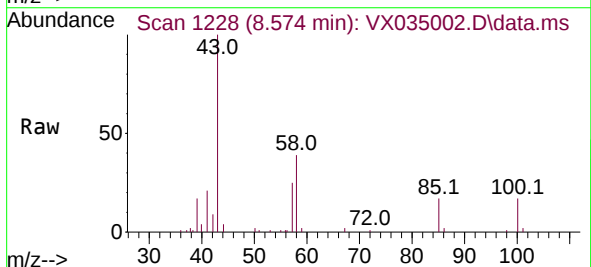
Tgt Ion: 43 Resp: 15657

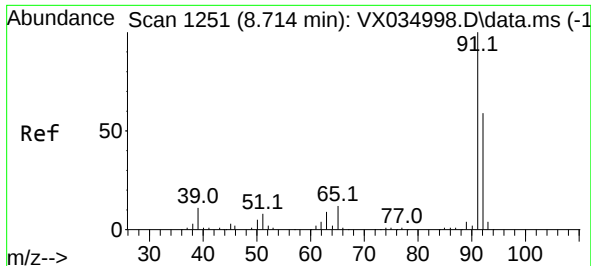
Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1

100 15.1 11.9 17.9





#42

Toluene

Concen: 2.013 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 2414

Ion Ratio Lower Upper

91 100

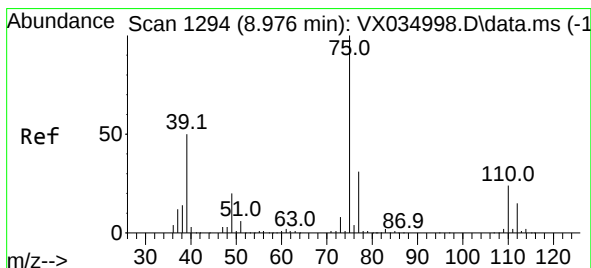
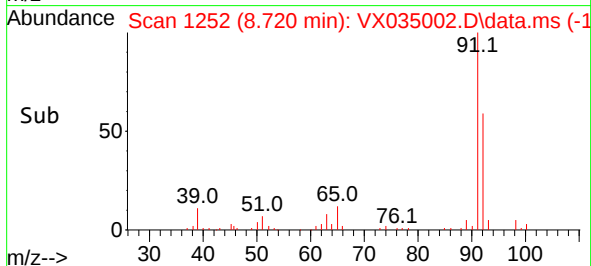
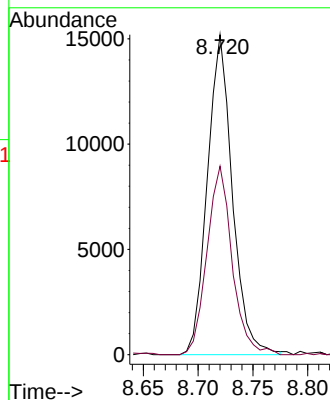
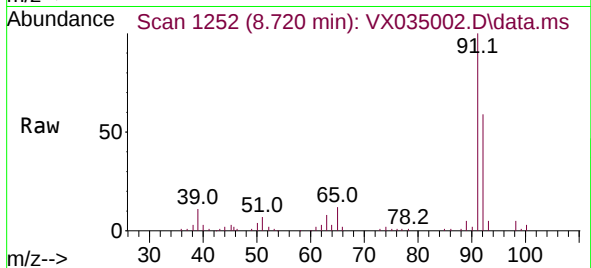
92 58.9 41.4 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#44

trans-1,3-Dichloropropene

Concen: 1.820 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX035002.D

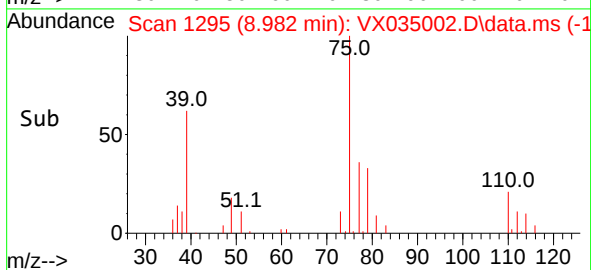
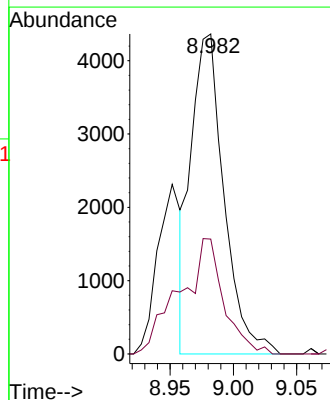
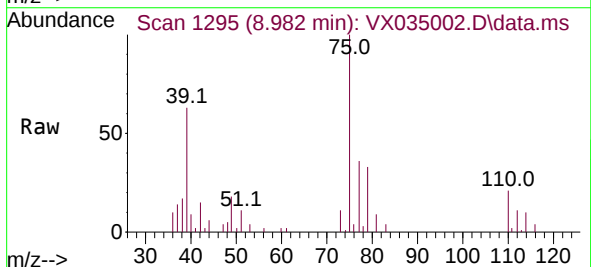
Acq: 11 Apr 2023 11:28

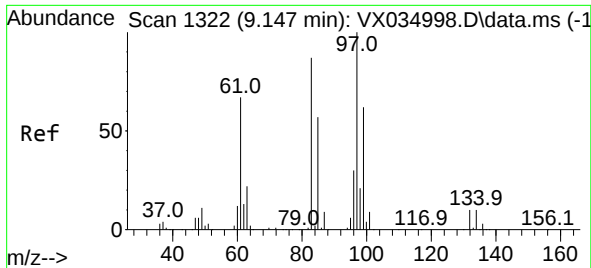
Tgt Ion: 75 Resp: 7861

Ion Ratio Lower Upper

75 100

77 35.9 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.022 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 97 Resp: 578

Ion Ratio Lower Upper

97 100

99 59.9 44.8 83.2

83 98.5 60.5 112.3

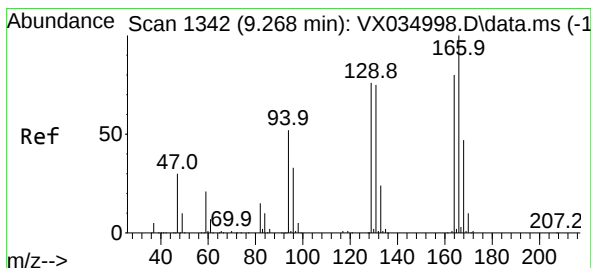
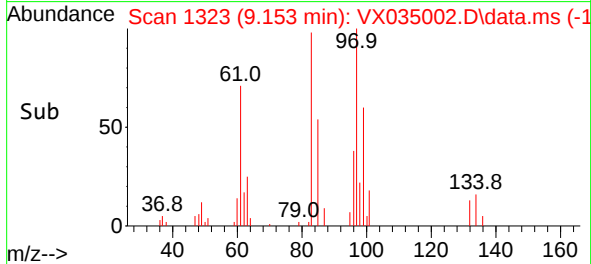
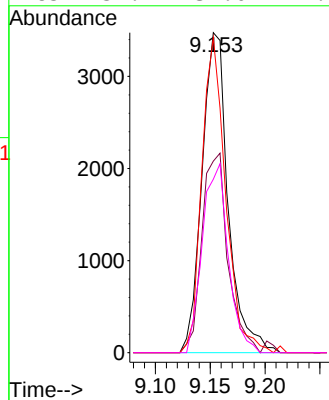
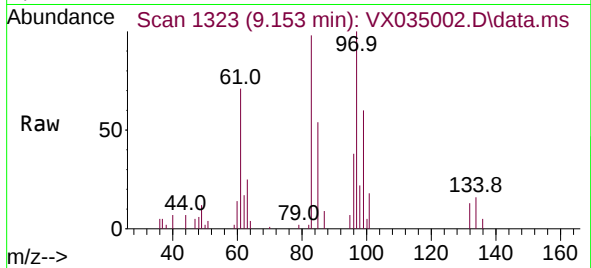
85 54.2 39.0 72.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#46

Tetrachloroethene

Concen: 2.092 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion:164 Resp: 4867

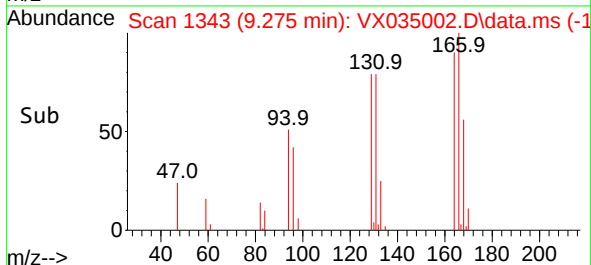
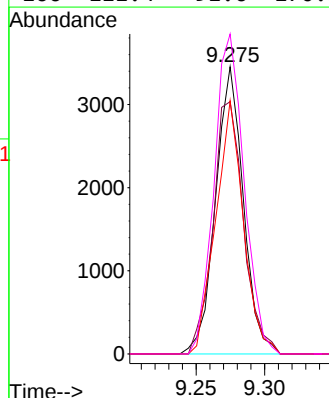
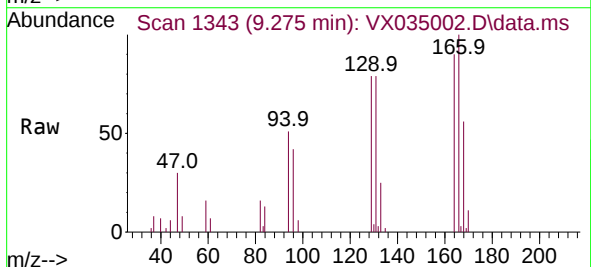
Ion Ratio Lower Upper

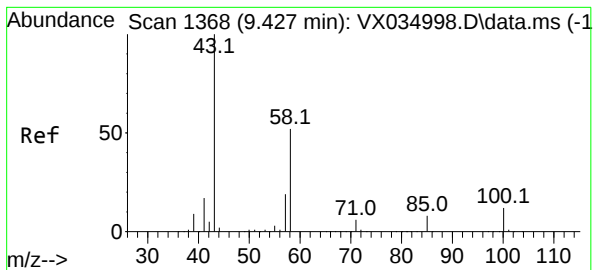
164 100

129 87.8 67.7 125.7

131 88.2 65.8 122.2

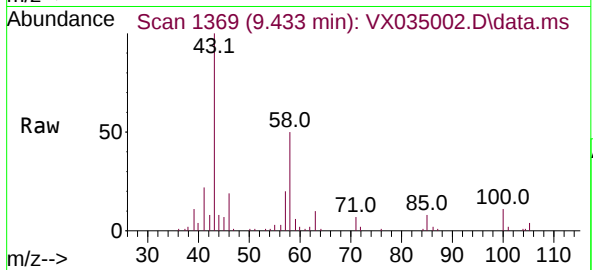
166 111.4 91.6 170.2





#48
2-Hexanone
Concen: 4.381 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

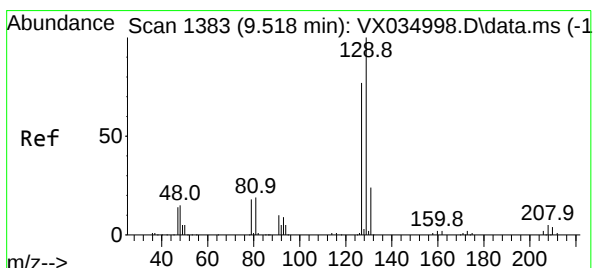
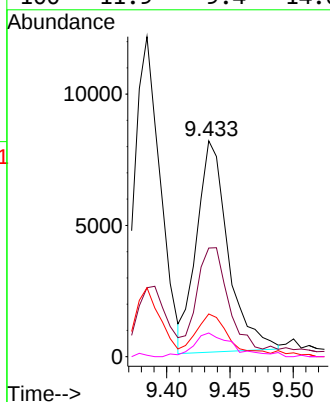
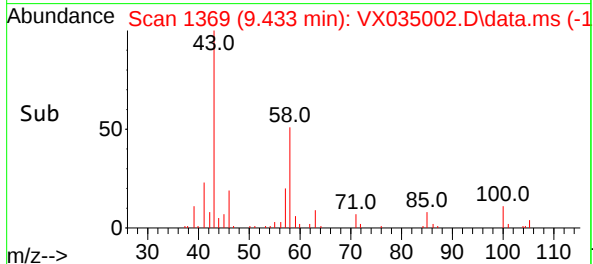
Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 50.0 42.1 63.1
57 20.8 15.0 22.6
100 11.9 9.4 14.0

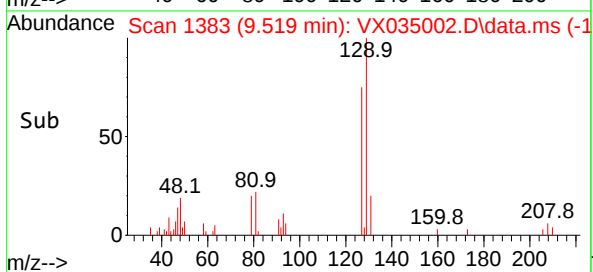
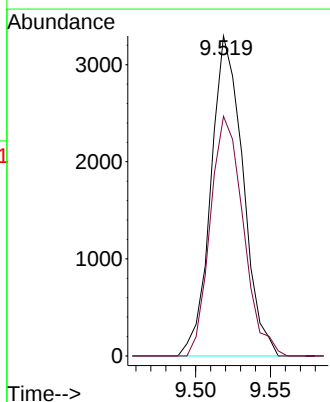
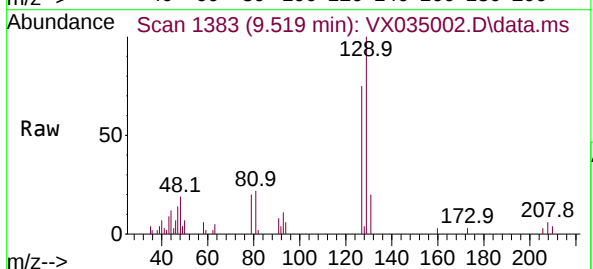
Manual Integrations
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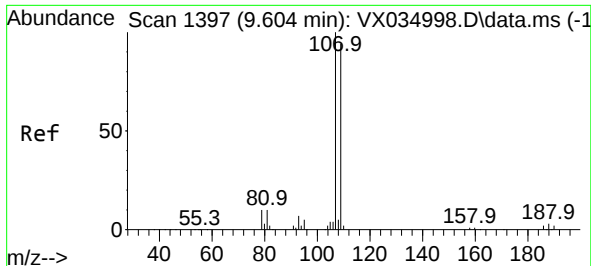
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#49
Dibromochloromethane
Concen: 1.743 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:129 Resp: 4907
Ion Ratio Lower Upper
129 100
127 74.9 55.0 102.2





#50

1,2-Dibromoethane

Concen: 1.927 ug/L

RT: 9.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

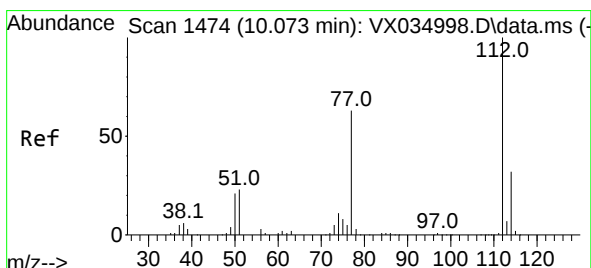
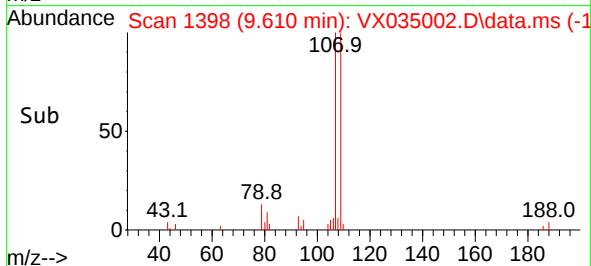
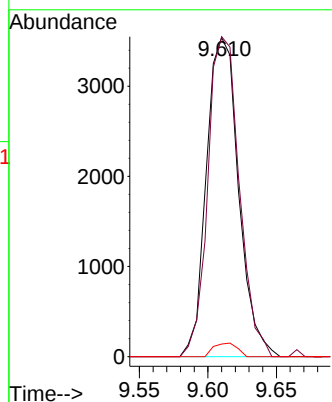
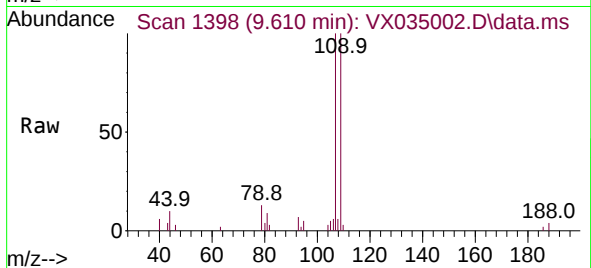
Tgt Ion:	107	Resp:	578
Ion Ratio	Lower	Upper	
107	100		
109	100.3	65.4	121.4
188	4.0	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/12/2023

Supervised By :Semsettin Yesilyurt 04/12/2023



#51

Chlorobenzene

Concen: 2.042 ug/L

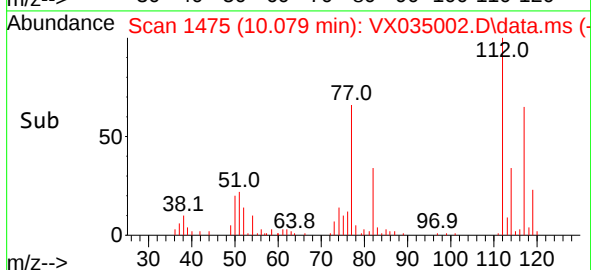
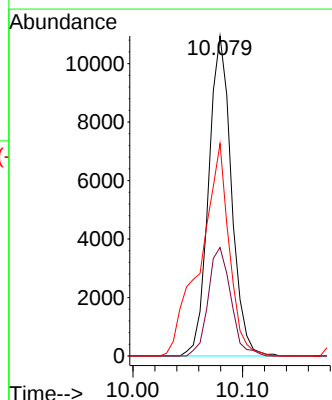
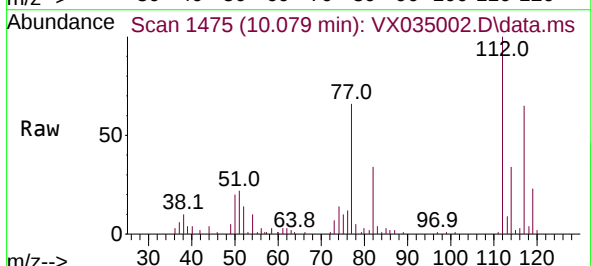
RT: 10.079 min Scan# 1475

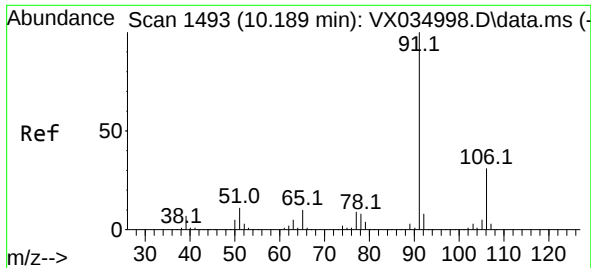
Delta R.T. 0.006 min

Lab File: VX035002.D

Acq: 11 Apr 2023 11:28

Tgt Ion:	112	Resp:	15786
Ion Ratio	Lower	Upper	
112	100		
114	33.9	22.6	42.0
77	66.4	48.8	73.2





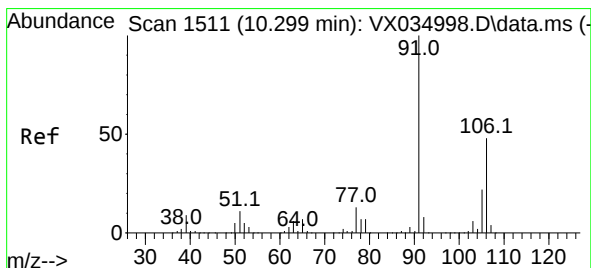
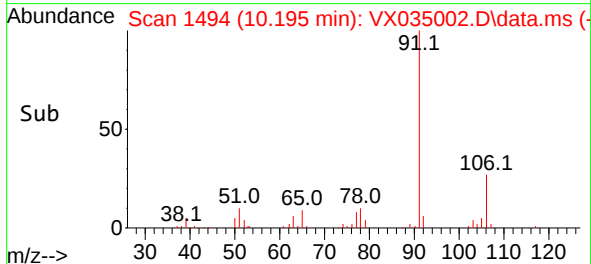
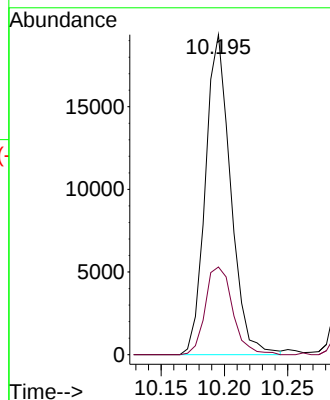
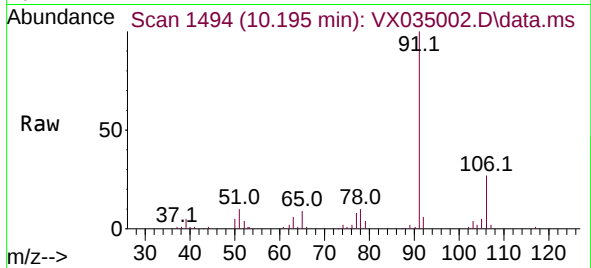
#52
Ethylbenzene
Concen: 1.974 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 2687
Ion Ratio Lower Upper
91 100
106 27.4 21.3 39.6

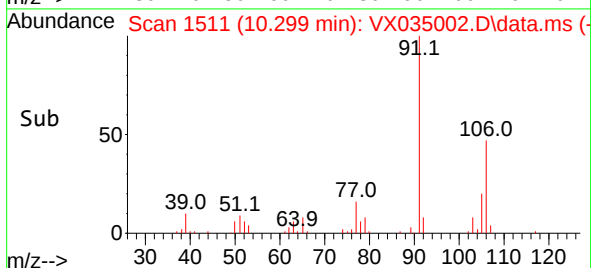
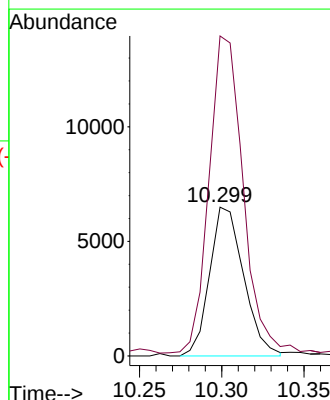
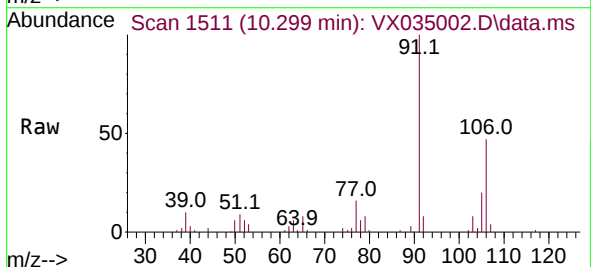
Manual Integrations
APPROVED

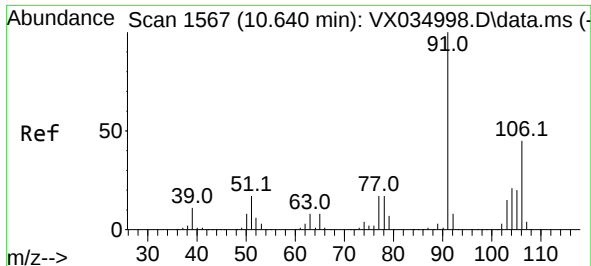
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#53
m,p-Xylene
Concen: 1.826 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:106 Resp: 9366
Ion Ratio Lower Upper
106 100
91 215.0 146.4 272.0





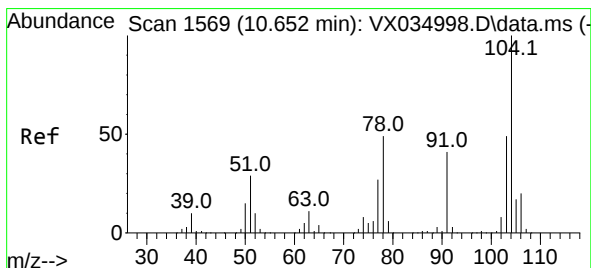
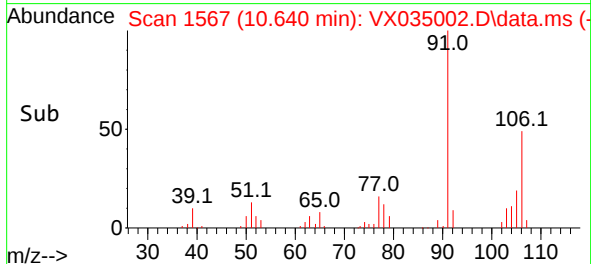
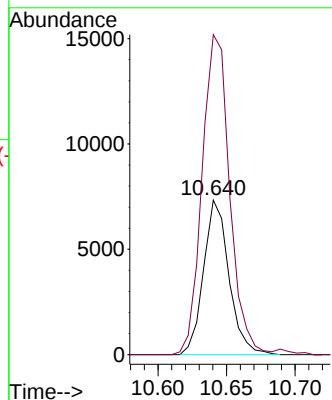
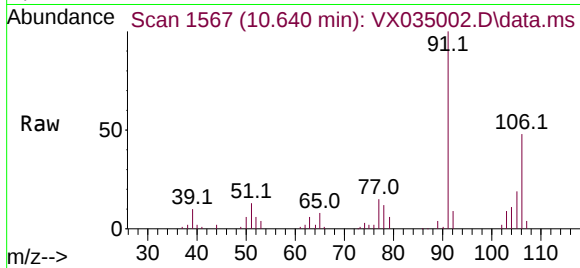
#54
o-Xylene
Concen: 1.876 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:106 Resp: 948
Ion Ratio Lower Upper
106 100
91 207.0 154.0 286.0

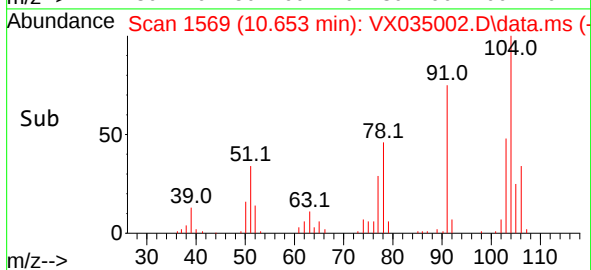
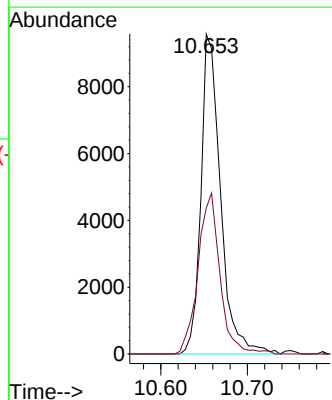
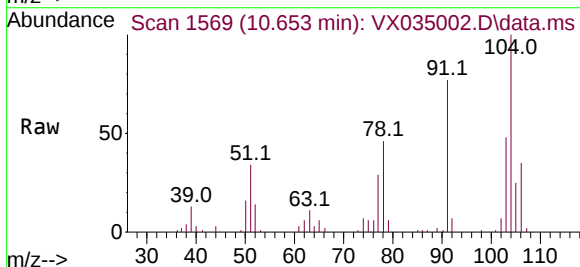
Manual Integrations
APPROVED

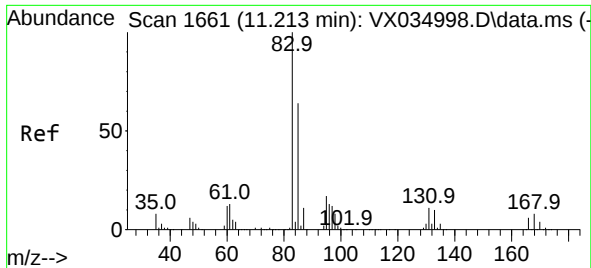
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#55
Styrene
Concen: 1.782 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:104 Resp: 15096
Ion Ratio Lower Upper
104 100
78 45.6 35.4 65.8





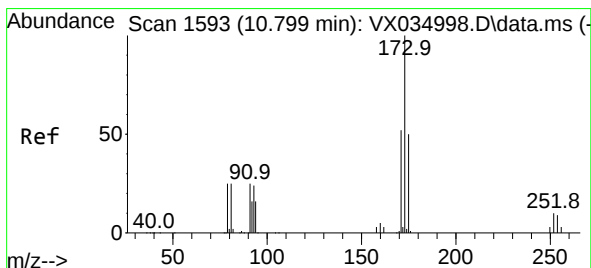
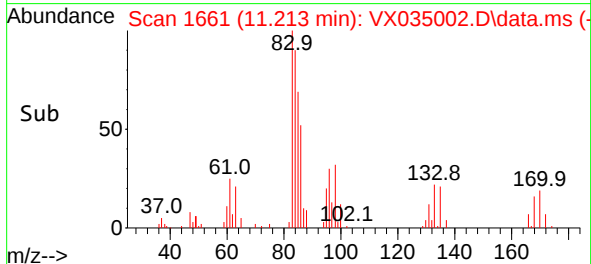
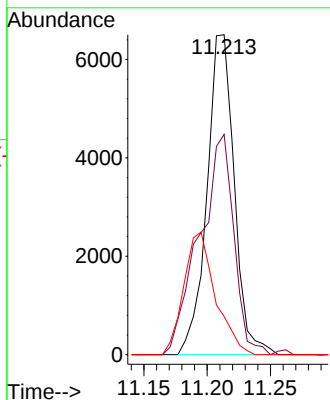
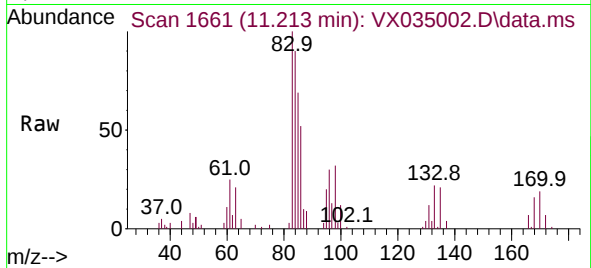
#57
1,1,2,2-Tetrachloroethane
Concen: 2.300 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 83 Resp: 9774
Ion Ratio Lower Upper
83 100
85 68.9 45.5 84.5
131 12.0 8.6 12.8

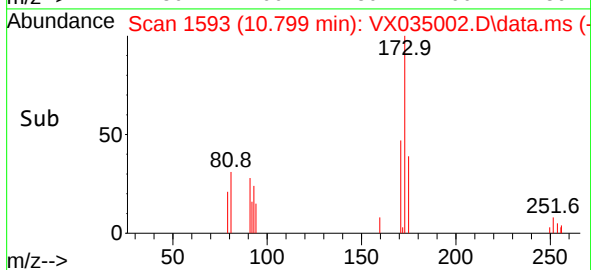
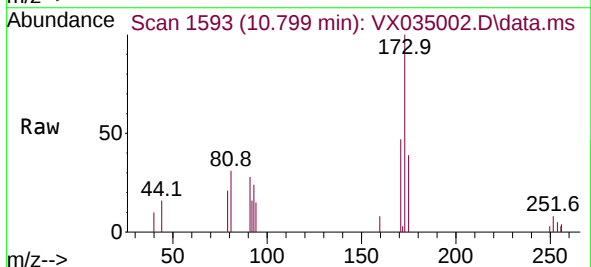
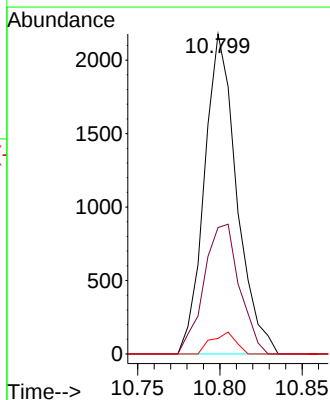
Manual Integrations
APPROVED

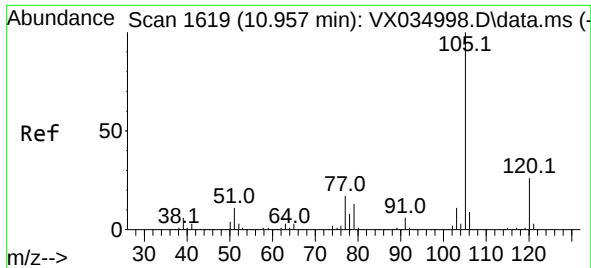
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#59
Bromoform
Concen: 1.635 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:173 Resp: 2979
Ion Ratio Lower Upper
173 100
175 44.5 39.0 58.4
254 5.1 7.3 10.9#





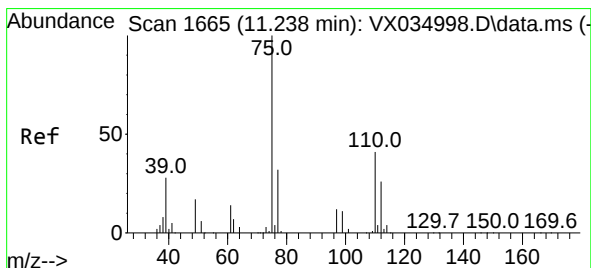
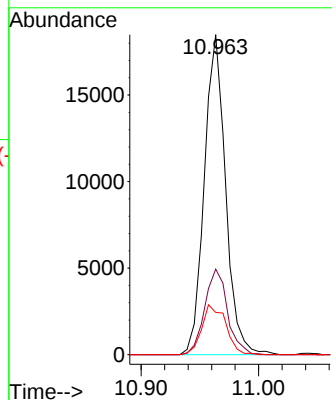
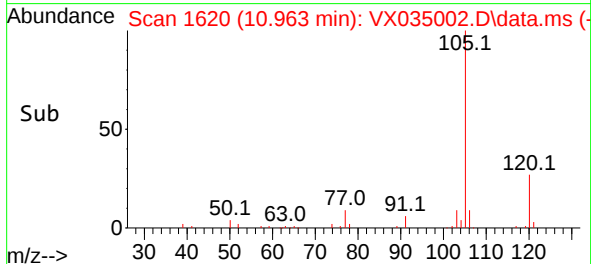
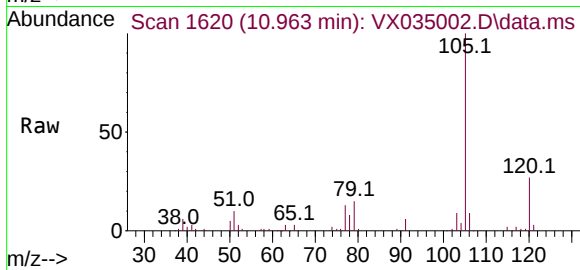
#60
Isopropylbenzene
Concen: 1.868 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 2330
Ion Ratio Lower Upper
105 100
120 28.6 21.1 31.7
77 17.6 13.3 19.9

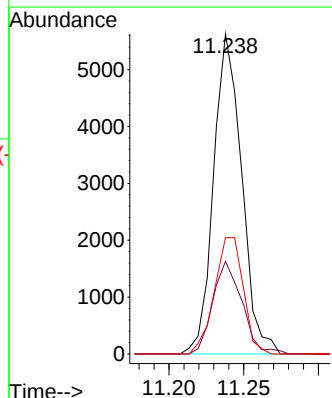
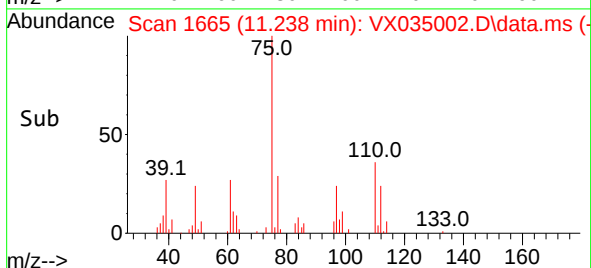
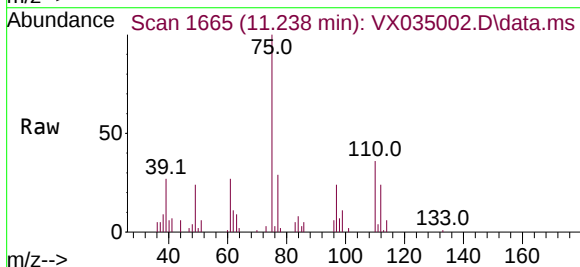
Manual Integrations
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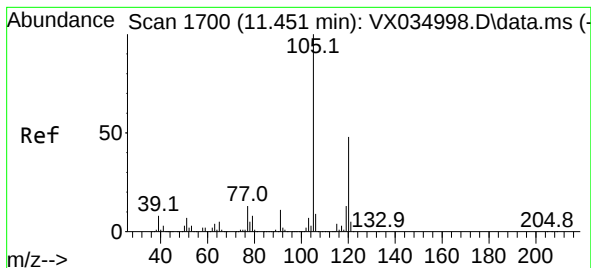
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#61
1,2,3-Trichloropropane
Concen: 2.244 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion: 75 Resp: 7353
Ion Ratio Lower Upper
75 100
77 29.3 25.3 37.9
110 37.3 31.8 47.8





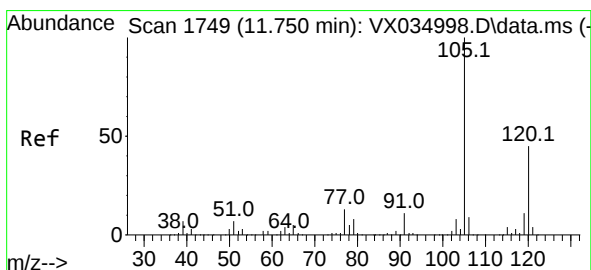
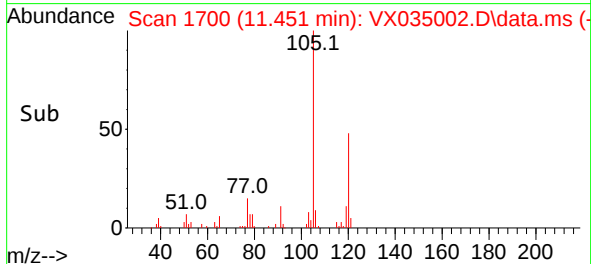
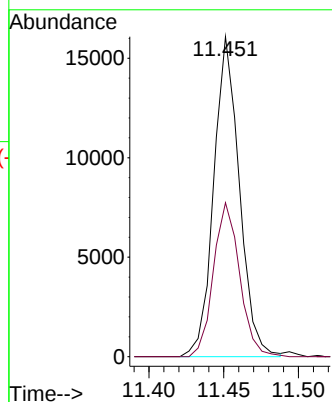
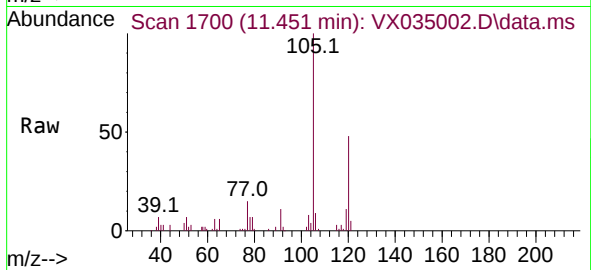
#62
1,3,5-Trimethylbenzene
Concen: 1.851 ug/L
RT: 11.451 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 19154
Ion Ratio Lower Upper
105 100
120 49.1 38.0 57.0

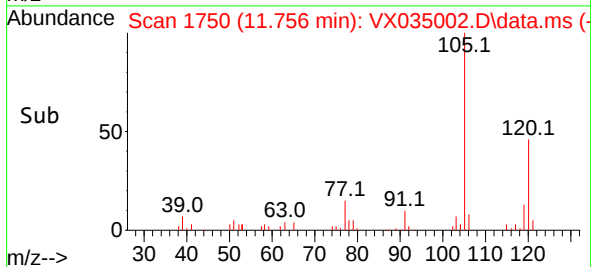
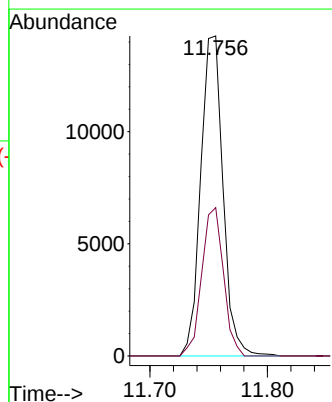
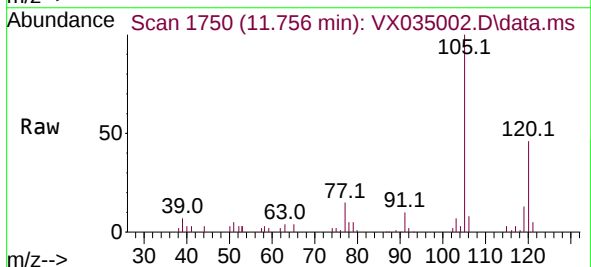
Manual Integrations
APPROVED

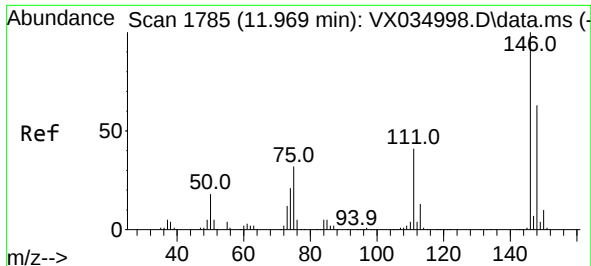
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#63
1,2,4-Trimethylbenzene
Concen: 1.844 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

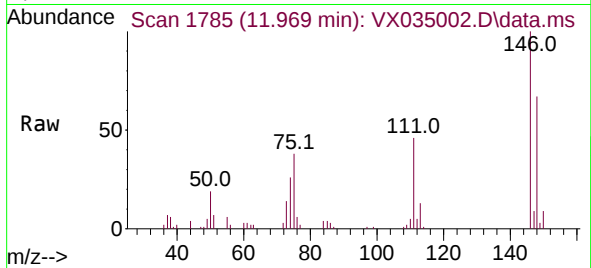
Tgt Ion:105 Resp: 18839
Ion Ratio Lower Upper
105 100
120 45.0 35.6 53.4





#64
1,3-Dichlorobenzene
Concen: 2.021 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

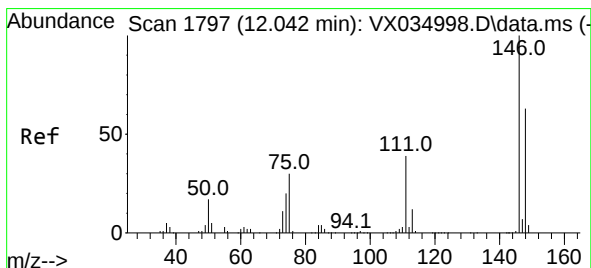
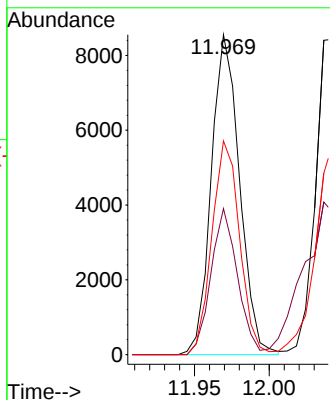
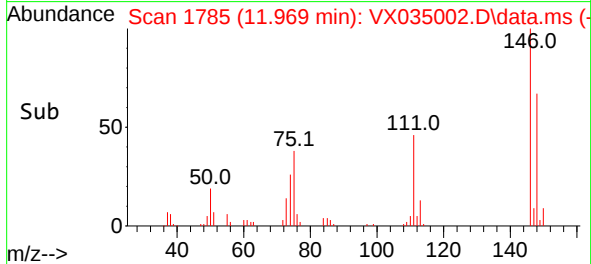
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



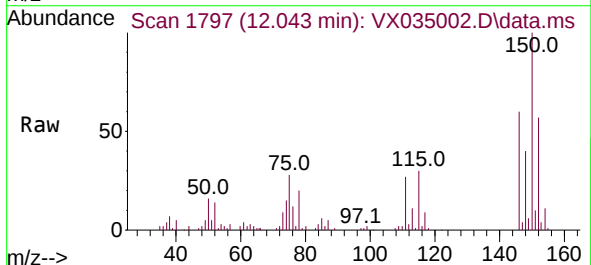
Tgt Ion:146 Resp: 1123
Ion Ratio Lower Upper
146 100
111 45.6 30.3 56.3
148 66.8 44.2 82.2

Manual Integrations
APPROVED

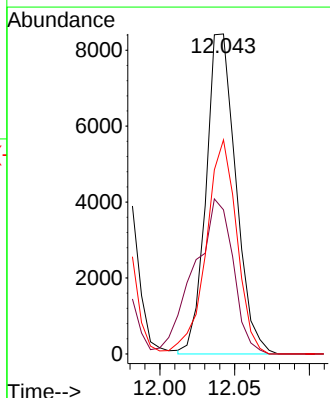
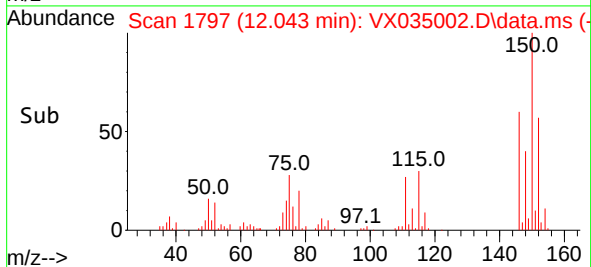
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

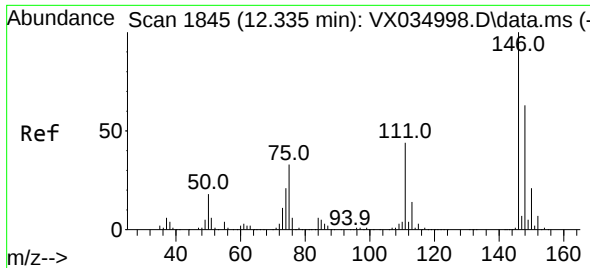


#65
1,4-Dichlorobenzene
Concen: 2.080 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28



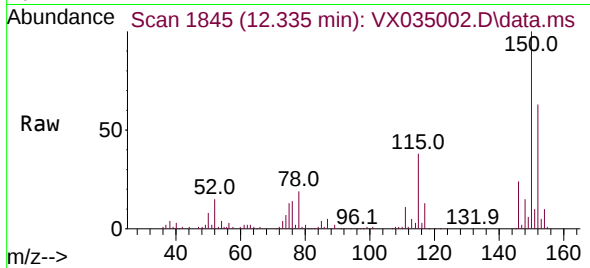
Tgt Ion:146 Resp: 11688
Ion Ratio Lower Upper
146 100
111 45.1 27.5 51.1
148 66.9 44.4 82.4





#67
1,2-Dichlorobenzene
Concen: 2.169 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

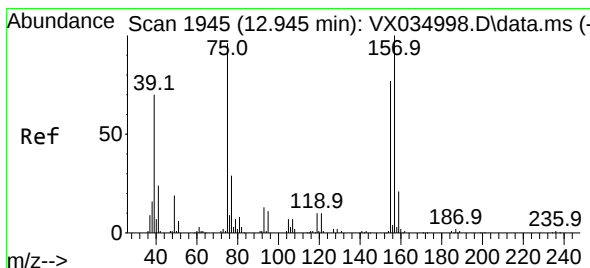
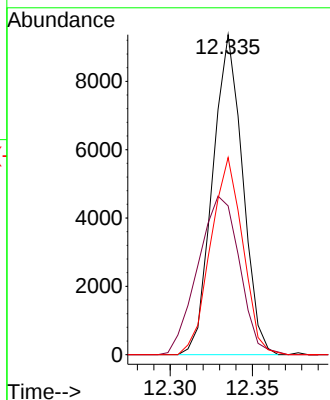
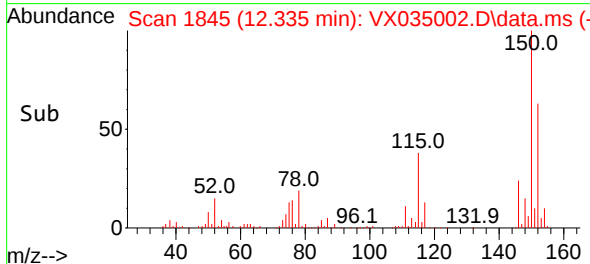
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04



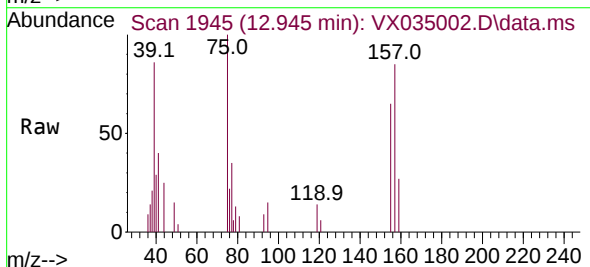
Tgt Ion:146 Resp: 11878
Ion Ratio Lower Upper
146 100
111 46.5 34.4 51.6
148 61.6 51.0 76.4

Manual Integrations
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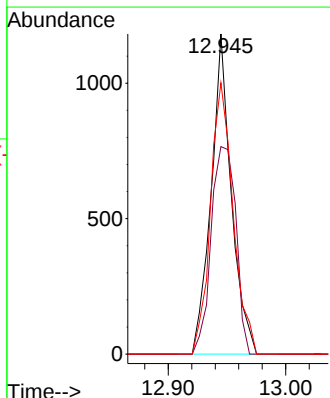
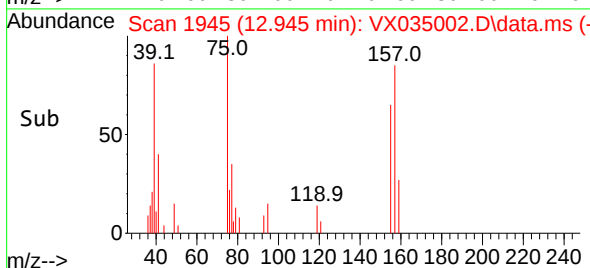
Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023

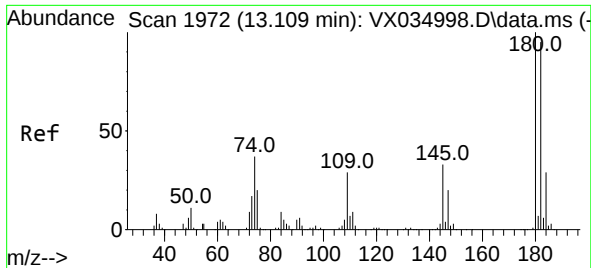


#68
1,2-Dibromo-3-chloropropane
Concen: 1.680 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28



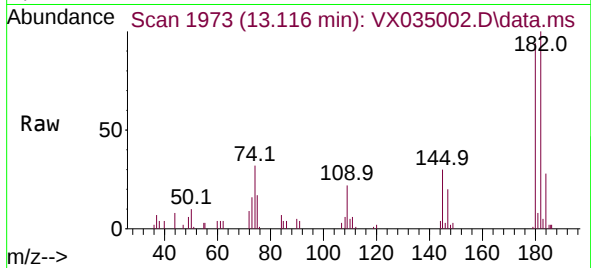
Tgt Ion: 75 Resp: 1409
Ion Ratio Lower Upper
75 100
155 64.8 58.0 87.0
157 84.8 75.3 112.9





#69
 1,3,5-Trichlorobenzene
 Concen: 1.993 ug/L
 RT: 13.116 min Scan# 1973
 Delta R.T. 0.006 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28

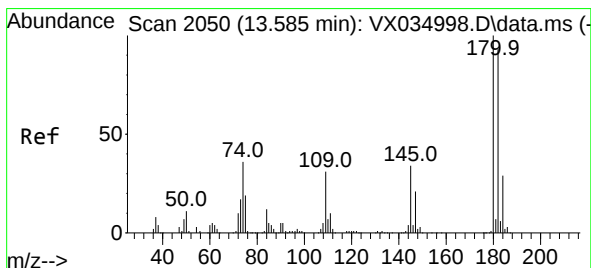
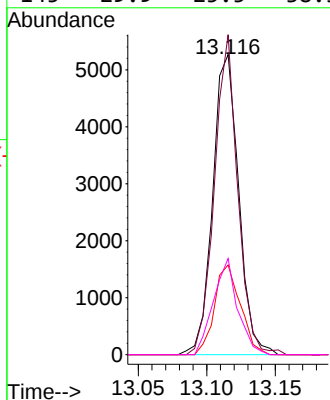
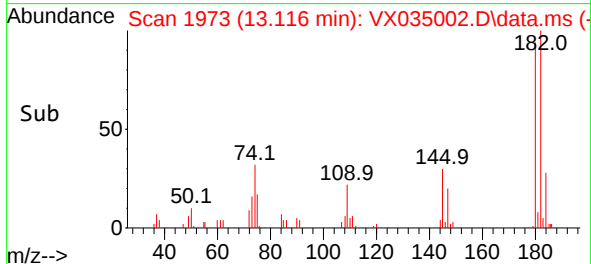
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04



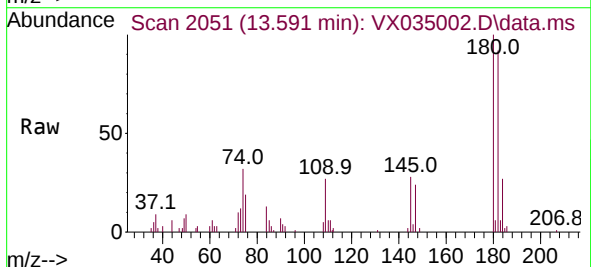
Tgt Ion:180 Resp: 6928
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 184 30.0 23.8 35.8
 145 29.9 25.5 38.3

Manual Integrations
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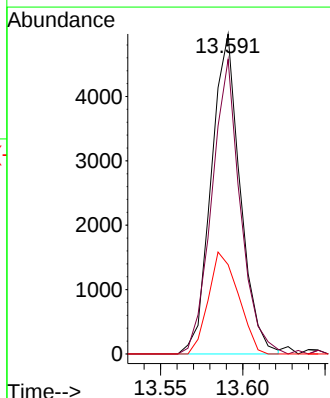
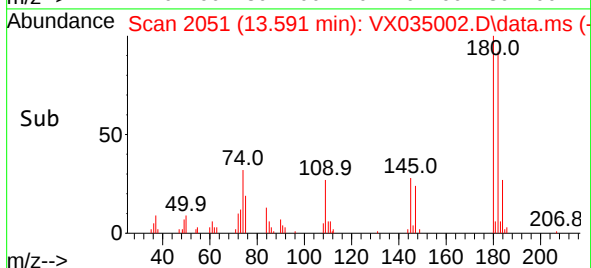
Reviewed By :John Carlone 04/12/2023
 Supervised By :Semsettin Yesilyurt 04/12/2023

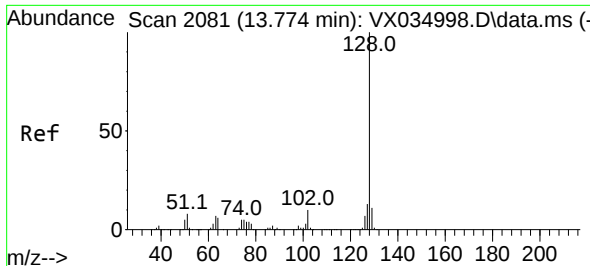


#70
 1,2,4-trichlorobenzene
 Concen: 1.881 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX035002.D
 Acq: 11 Apr 2023 11:28



Tgt Ion:180 Resp: 6084
 Ion Ratio Lower Upper
 180 100
 182 90.7 77.0 115.4
 145 32.9 26.7 40.1





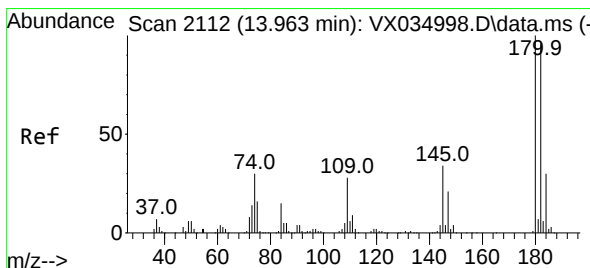
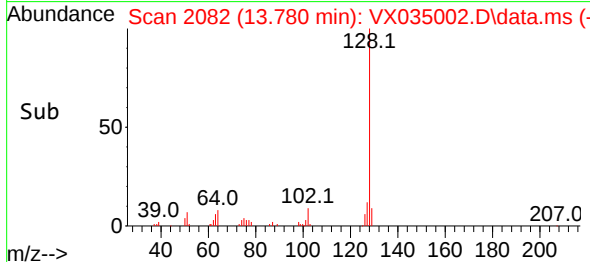
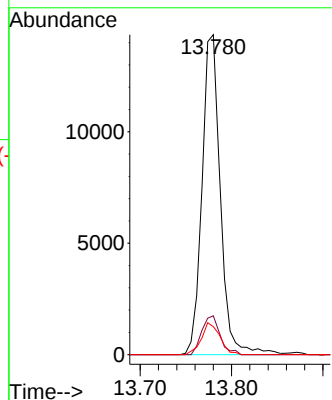
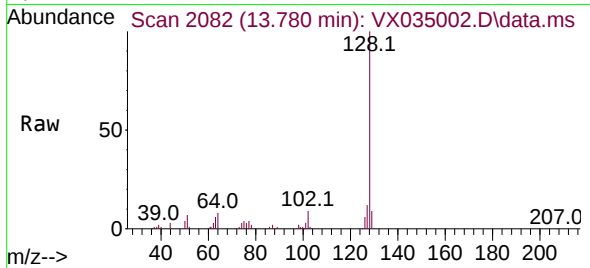
#71
Naphthalene
Concen: 1.808 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:128 Resp: 1998
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.0 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/12/2023
Supervised By :Semsettin Yesilyurt 04/12/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.906 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX035002.D
Acq: 11 Apr 2023 11:28

Tgt Ion:180 Resp: 6190
Ion Ratio Lower Upper
180 100
182 98.6 76.6 114.8
145 36.7 28.0 42.0

