

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034022.D
 Acq On : 06 Feb 2023 12:59
 Operator : JC/MD
 Sample : 01378-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 07 03:43:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/07/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	178976	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	156066	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83868	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	42236	35.434	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.860%
7) Chloroethane-d5	1.666	69	31792	43.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.860%
11) 1,1-Dichloroethene-d2	2.306	63	69301	31.730	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.460%
21) 2-Butanone-d5	4.446	46	73590	107.683	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.680%
24) Chloroform-d	5.056	84	96670	45.213	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.420%
26) 1,2-Dichloroethane-d4	5.952	65	61560	47.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
32) Benzene-d6	5.970	84	200998	44.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
36) 1,2-Dichloropropane-d6	7.306	67	62103	46.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.900%
41) Toluene-d8	8.647	98	188265	44.362	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.720%
43) trans-1,3-Dichloroprop...	8.952	79	26531	44.203	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.400%
47) 2-Hexanone-d5	9.384	63	53376	107.617	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.620%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	86025	51.870	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.740%
66) 1,2-Dichlorobenzene-d4	12.317	152	82919	49.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.166	85	2912m	2.187	ug/L
3) Chloromethane	1.294	50	2450	2.016	ug/L
5) Vinyl chloride	1.374	62	2518	2.049	ug/L #
6) Bromomethane	1.611	94	1491	2.340	ug/L
8) Chloroethane	1.691	64	1424	2.180	ug/L
9) Trichlorofluoromethane	1.892	101	3971	2.280	ug/L
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3489	2.896	ug/L #
12) 1,1-Dichloroethene	2.319	96	2951	2.678	ug/L #
13) Acetone	2.374	43	3419	4.863	ug/L
14) Carbon disulfide	2.514	76	6275	2.104	ug/L
15) Methyl Acetate	2.703	43	2568	2.293	ug/L
16) Methylene chloride	2.788	84	3424	2.934	ug/L
17) trans-1,2-Dichloroethene	3.093	96	2458	2.161	ug/L
18) Methyl tert-butyl Ether	3.111	73	7356	2.221	ug/L
19) 1,1-Dichloroethane	3.611	63	4146	2.088	ug/L
20) cis-1,2-Dichloroethene	4.483	96	3041	2.339	ug/L
22) 2-Butanone	4.562	43	4090	4.682	ug/L #
23) Bromochloromethane	4.891	128	1495m	2.095	ug/L
25) Chloroform	5.093	83	5287	2.579	ug/L

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	3509	2.230	ug/L	97
29) Cyclohexane	5.471	56	3966	2.078	ug/L #	93
30) 1,1,1-Trichloroethane	5.391	97	3858m	2.187	ug/L	
31) Carbon tetrachloride	5.678	117	3357	2.046	ug/L	97
33) Benzene	6.038	78	10082	2.172	ug/L	100
35) Methylcyclohexane	7.379	83	4623	2.305	ug/L	97
37) 1,2-Dichloropropane	7.434	63	2512	2.125	ug/L #	85
38) Bromodichloromethane	7.824	83	3046	2.027	ug/L #	82
39) cis-1,3-Dichloropropene	8.366	75	3783	2.085	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	6247	4.295	ug/L	99
42) Toluene	8.720	91	10860	2.188	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	3426m	2.122	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2782	2.325	ug/L	97
46) Tetrachloroethene	9.275	164	2746	2.274	ug/L	96
48) 2-Hexanone	9.433	43	5921m	5.108	ug/L	
49) Dibromochloromethane	9.519	129	2623	2.032	ug/L	97
50) 1,2-Dibromoethane	9.610	107	2815	2.189	ug/L	99
51) Chlorobenzene	10.079	112	7609	2.269	ug/L	98
52) Ethylbenzene	10.195	91	11622	2.130	ug/L	95
53) m,p-Xylene	10.299	106	4746	2.167	ug/L	98
54) o-Xylene	10.640	106	4479	2.117	ug/L	97
55) Styrene	10.659	104	7207	2.030	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	4620	2.747	ug/L	93
59) Bromoform	10.799	173	2135	2.092	ug/L	99
60) Isopropylbenzene	10.963	105	11761	2.146	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2925	2.297	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	9329	2.080	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	8962	2.027	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	6176	2.267	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	6341	2.300	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	6215	2.333	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	650m	2.084	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	4248	2.068	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	3862	2.071	ug/L	98
71) Naphthalene	13.780	128	10515	2.036	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	3722	2.021	ug/L	96

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

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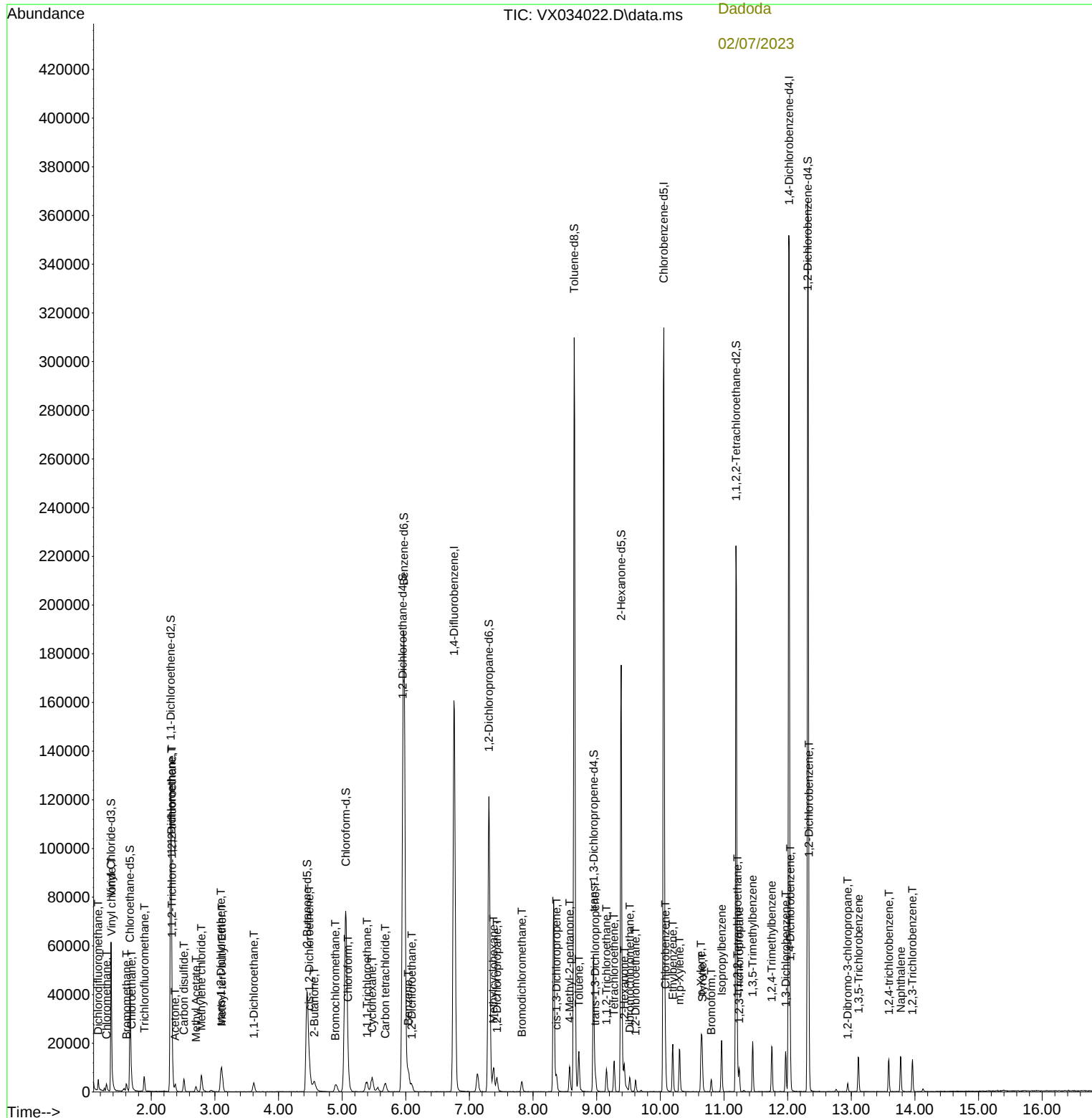
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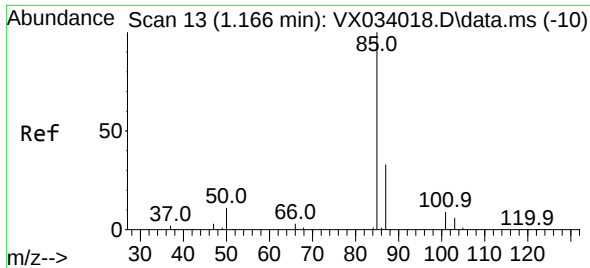
Manual Integrations
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02/07/2023
Supervised By :Mahesh
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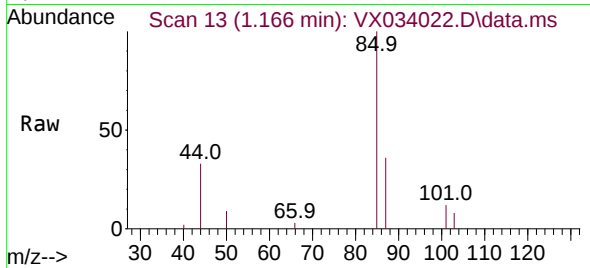
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#2
 Dichlorodifluoromethane
 Concen: 2.187 ug/L m
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034022.D
 Acq: 06 Feb 2023 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02



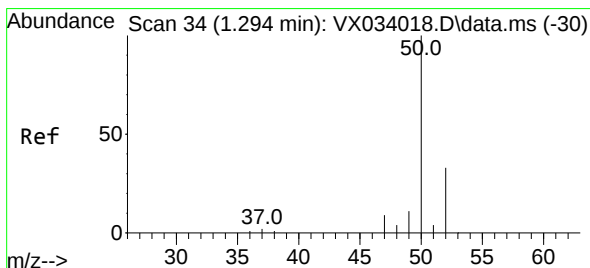
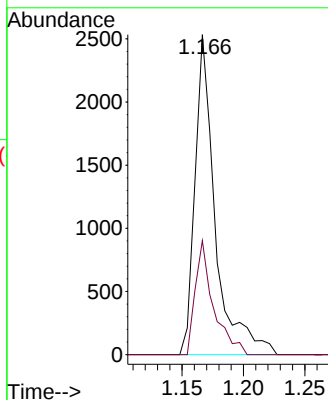
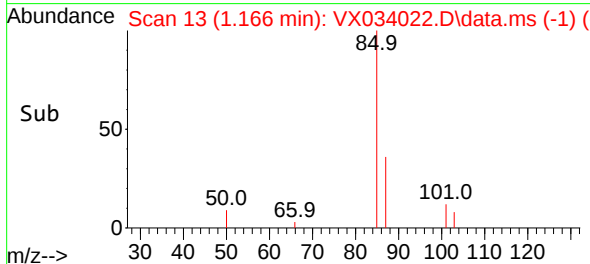
Tgt Ion: 85 Resp: 291
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9

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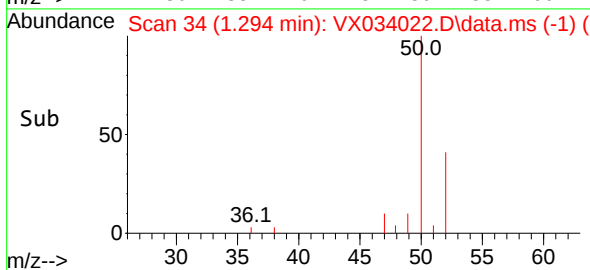
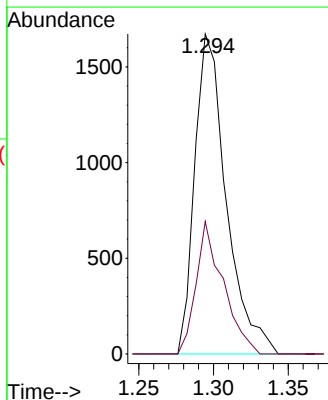
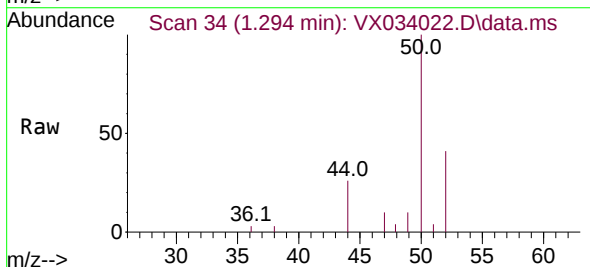
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 Dadoda

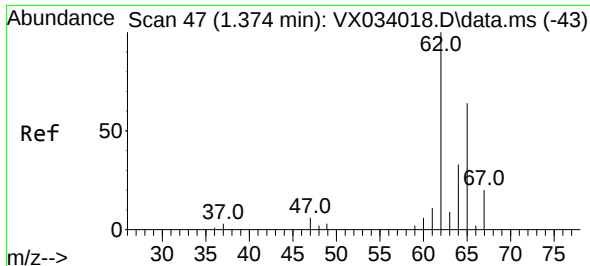
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#3
 Chloromethane
 Concen: 2.016 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX034022.D
 Acq: 06 Feb 2023 12:59

Tgt Ion: 50 Resp: 2450
 Ion Ratio Lower Upper
 50 100
 52 41.4 22.5 41.7





#5
 Vinyl chloride
 Concen: 2.049 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034022.D
 Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT1-2023-02

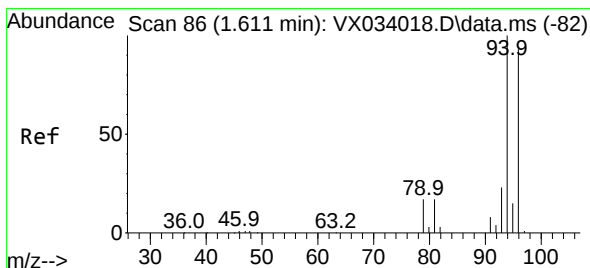
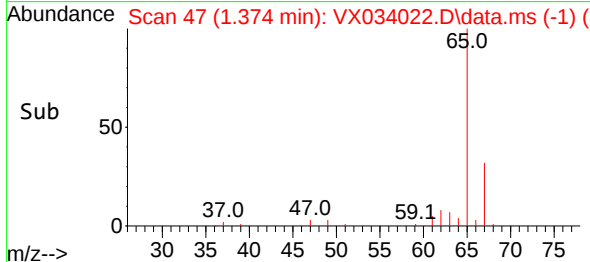
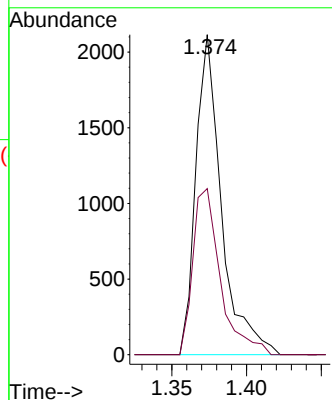
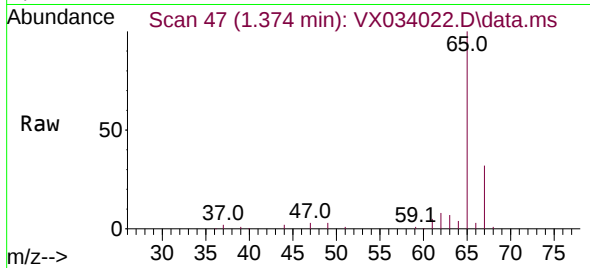
Tgt Ion: 62 Resp: 2518
 Ion Ratio Lower Upper
 62 100
 64 51.9 23.2 43.0

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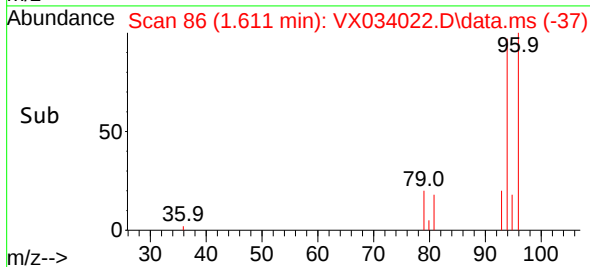
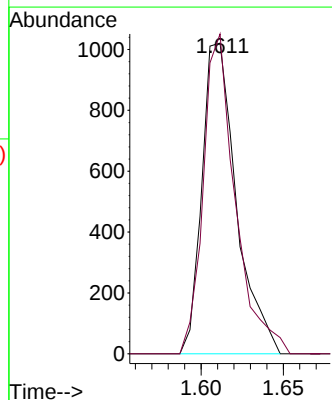
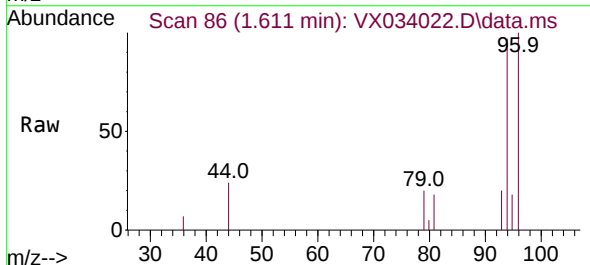
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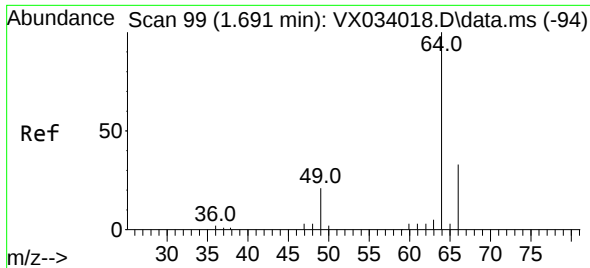
02/07/2023



#6
 Bromomethane
 Concen: 2.340 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. -0.000 min
 Lab File: VX034022.D
 Acq: 06 Feb 2023 12:59

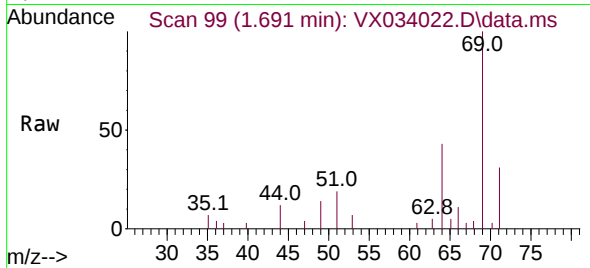
Tgt Ion: 94 Resp: 1491
 Ion Ratio Lower Upper
 94 100
 96 102.9 65.7 122.1





#8
Chloroethane
Concen: 2.180 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02



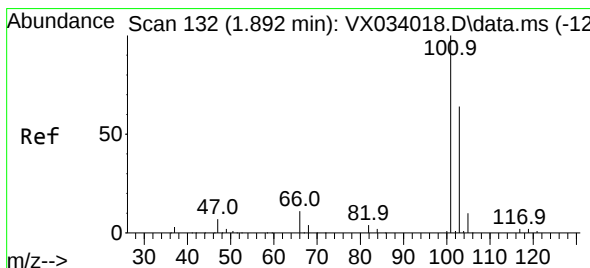
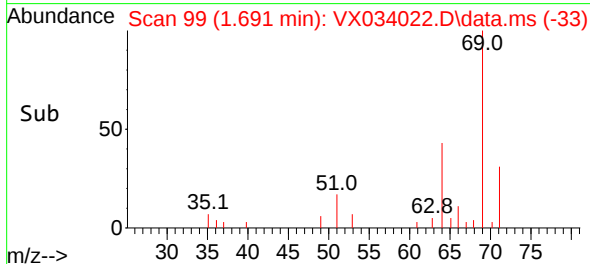
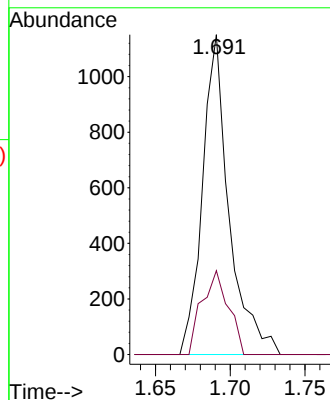
Tgt Ion: 64 Resp: 1424
Ion Ratio Lower Upper
64 100
66 26.2 22.5 41.9

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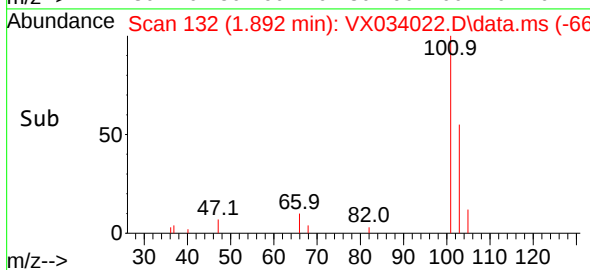
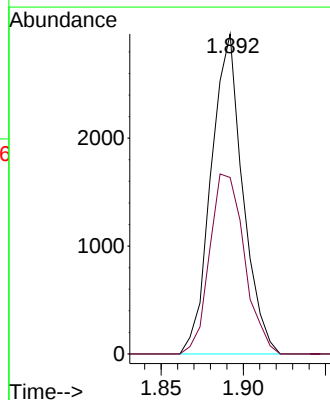
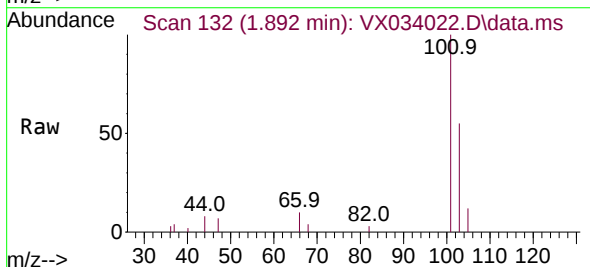
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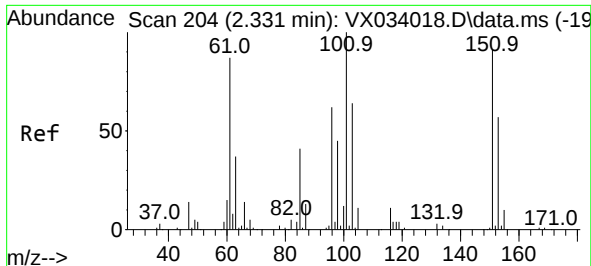
02/07/2023



#9
Trichlorofluoromethane
Concen: 2.280 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:101 Resp: 3971
Ion Ratio Lower Upper
101 100
103 61.8 52.6 78.8





#10

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

Concen: 2.896 ug/L

RT: 2.325 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

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ClientSampleId :

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Tgt Ion:101 Resp: 3489

Ion	Ratio	Lower	Upper
101	100		
85	32.0	32.2	48.4
151	67.0	69.3	103.9

Manual Integrations

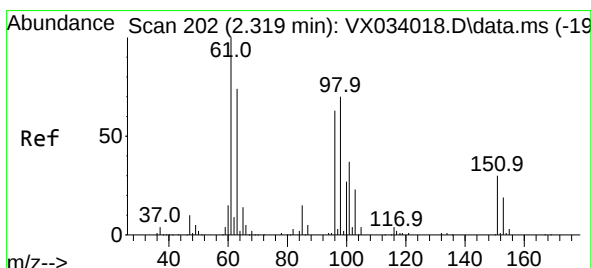
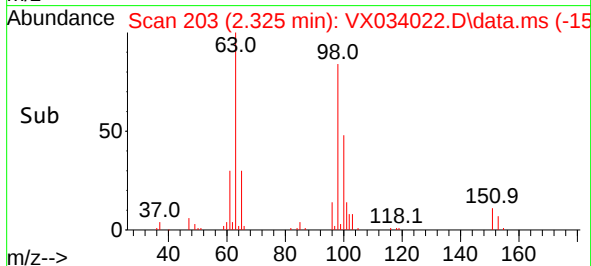
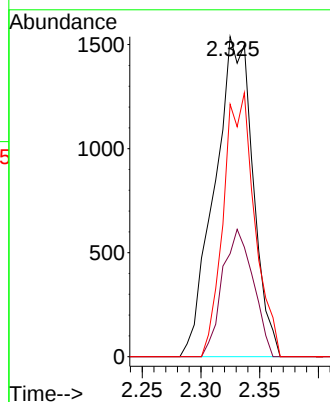
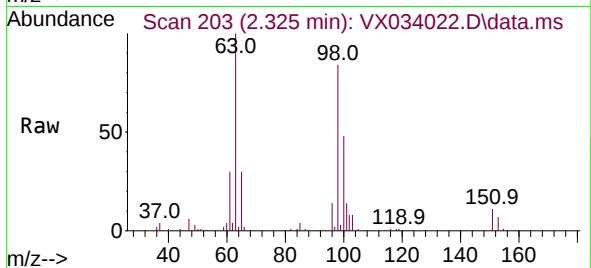
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#12

1,1-Dichloroethene

Concen: 2.678 ug/L

RT: 2.319 min Scan# 202

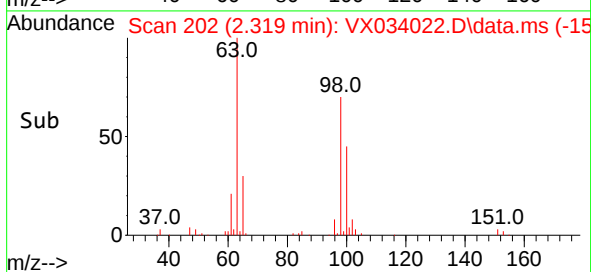
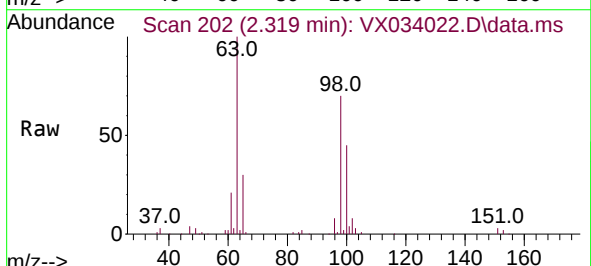
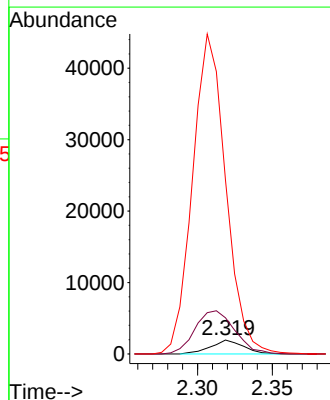
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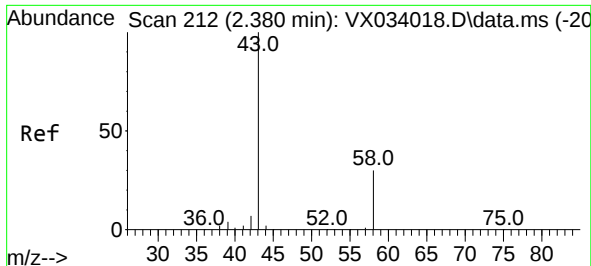
Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Tgt Ion: 96 Resp: 2951

Ion	Ratio	Lower	Upper
96	100		
61	260.8	107.6	199.8#
63	1254.4	69.6	129.2#





#13

Acetone

Concen: 4.863 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

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Tgt Ion: 43 Resp: 3419
 Ion Ratio Lower Upper
 43 100
 58 31.3 0.0 62.8

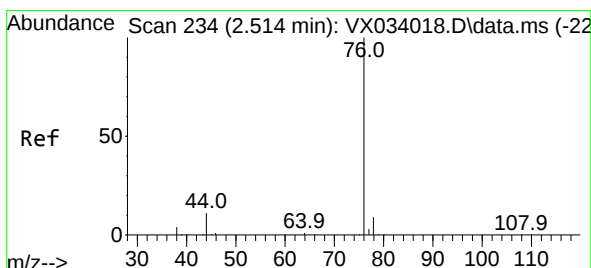
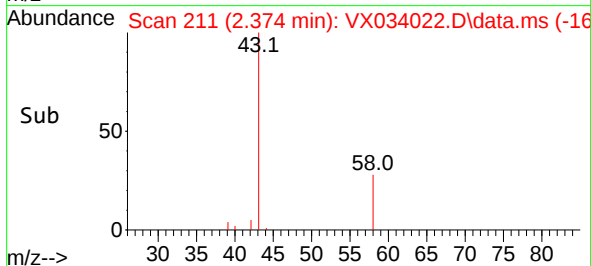
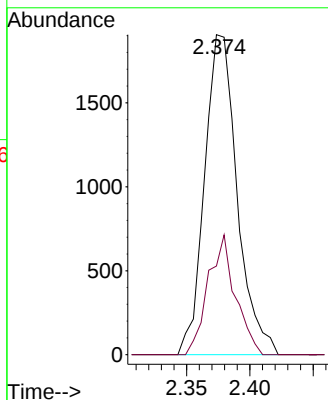
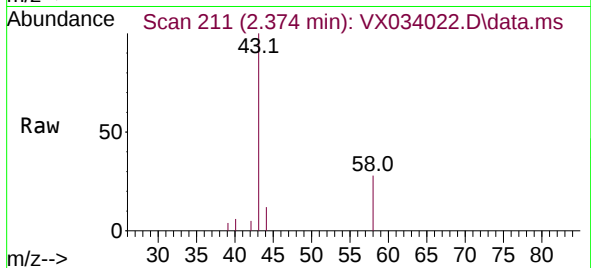
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#14

Carbon disulfide

Concen: 2.104 ug/L

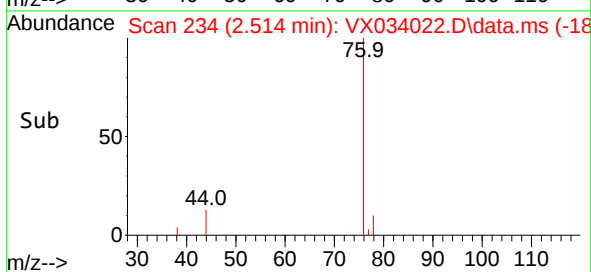
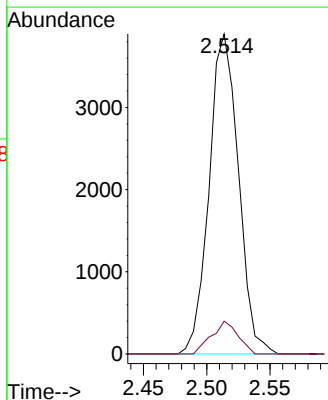
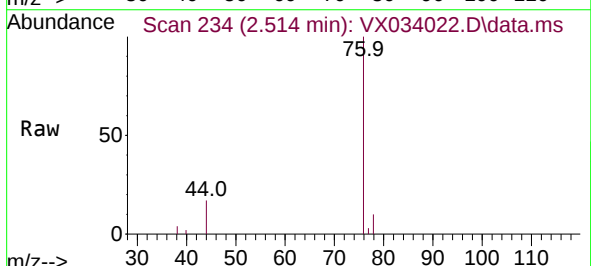
RT: 2.514 min Scan# 234

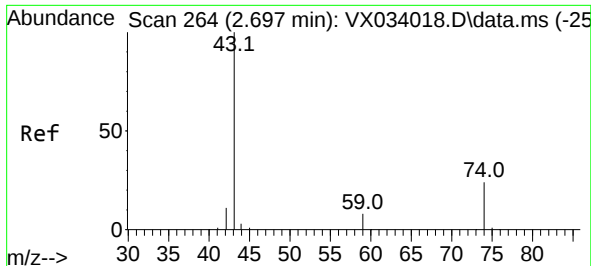
Delta R.T. 0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Tgt Ion: 76 Resp: 6275
 Ion Ratio Lower Upper
 76 100
 78 10.3 7.4 11.2





#15
Methyl Acetate
Concen: 2.293 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

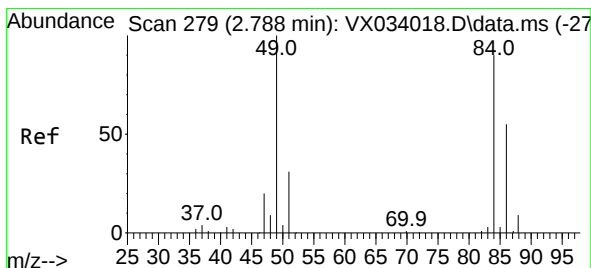
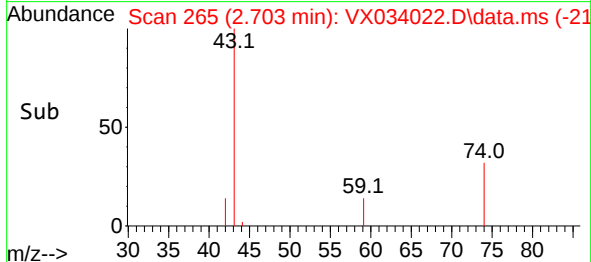
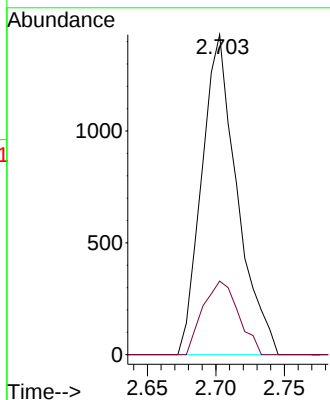
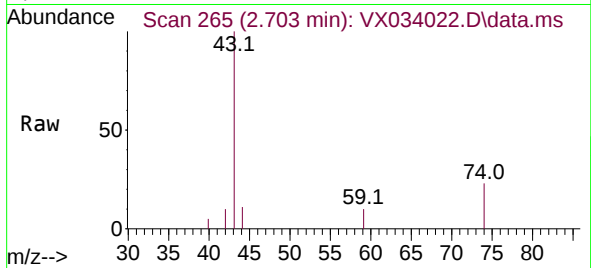
Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

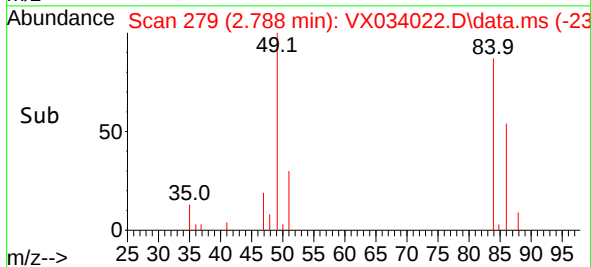
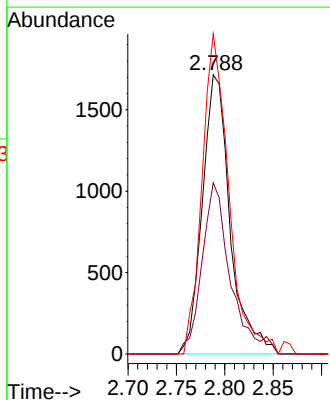
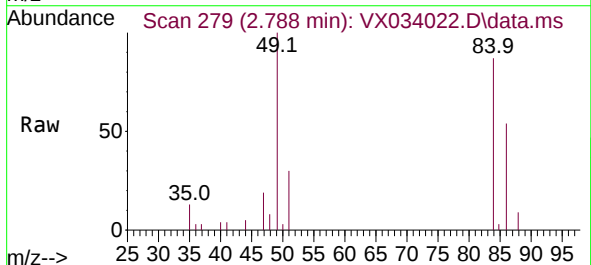
02/07/2023
Supervised By :Mahesh
Dadoda

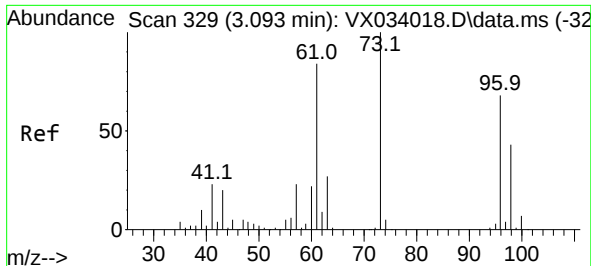
02/07/2023



#16
Methylene chloride
Concen: 2.934 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion: 84 Resp: 3424
Ion Ratio Lower Upper
84 100
86 61.3 45.2 84.0
49 114.6 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 2.161 ug/L

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX034022.D

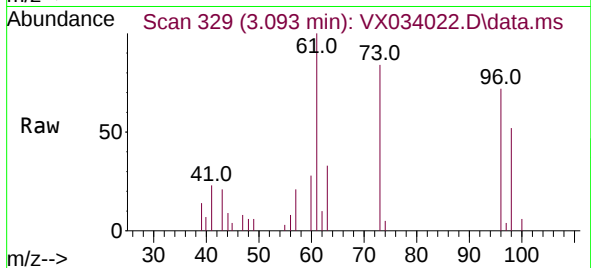
Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02



Tgt Ion: 96 Resp: 2456

Ion	Ratio	Lower	Upper
96	100		
61	139.5	87.7	162.9
98	72.3	45.4	84.4

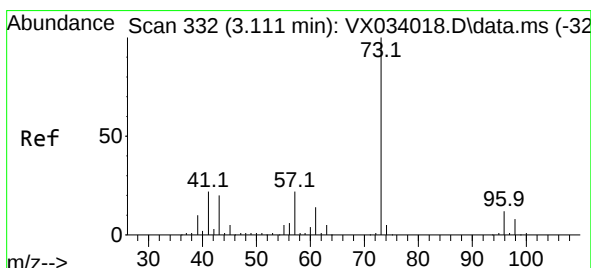
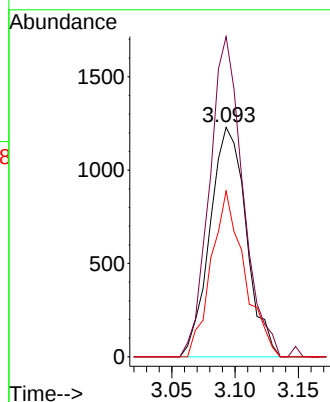
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#18

Methyl tert-butyl Ether

Concen: 2.221 ug/L

RT: 3.111 min Scan# 332

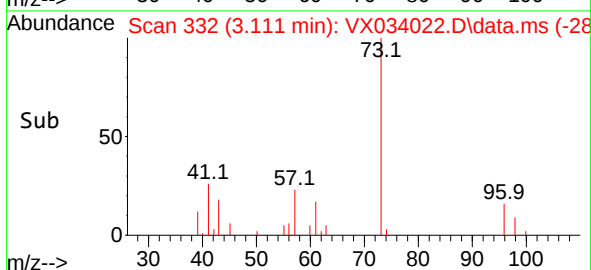
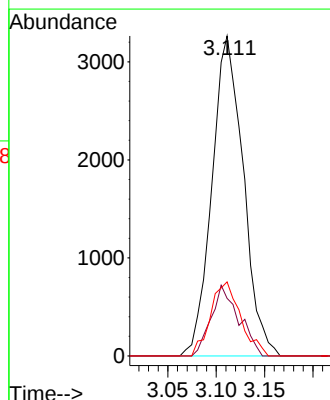
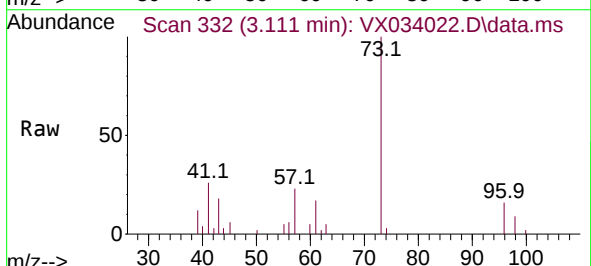
Delta R.T. -0.000 min

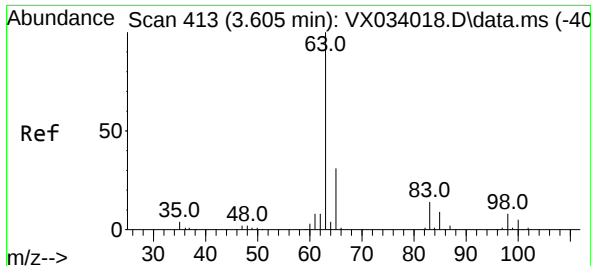
Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Tgt Ion: 73 Resp: 7356

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.6	23.4
57	22.2	17.5	26.3





#19

1,1-Dichloroethane

Concen: 2.088 ug/L

RT: 3.611 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 63	Resp: 414
Ion Ratio	Lower Upper
63 100	
65 30.8	21.9 40.7
83 13.9	10.6 19.6

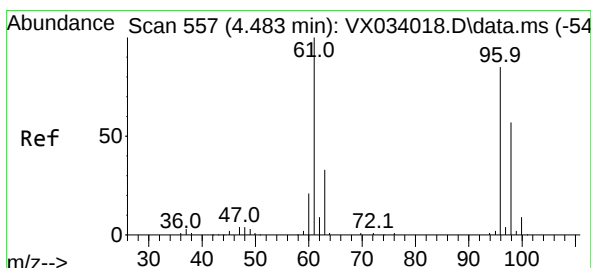
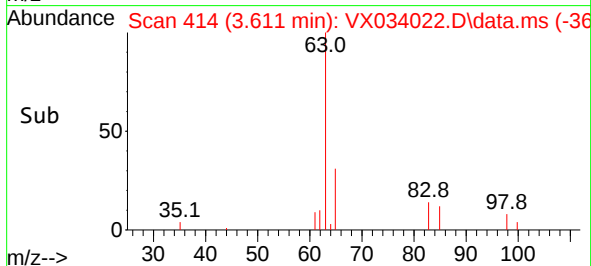
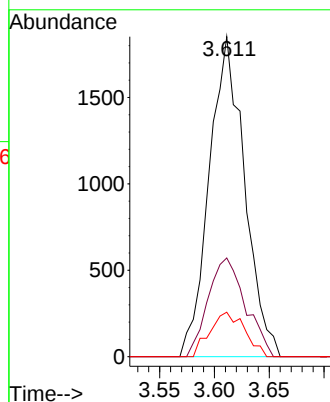
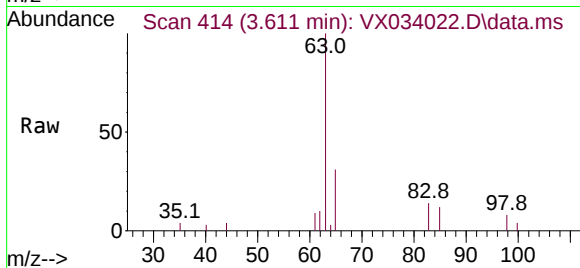
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#20

cis-1,2-Dichloroethene

Concen: 2.339 ug/L

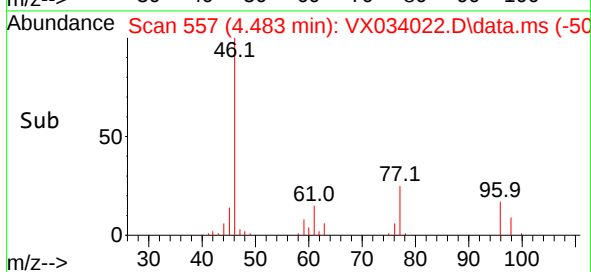
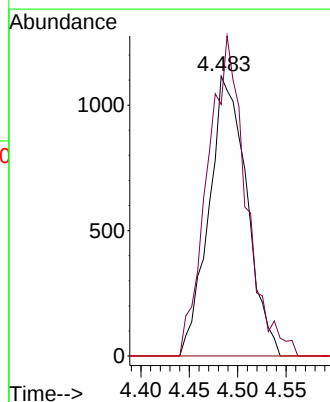
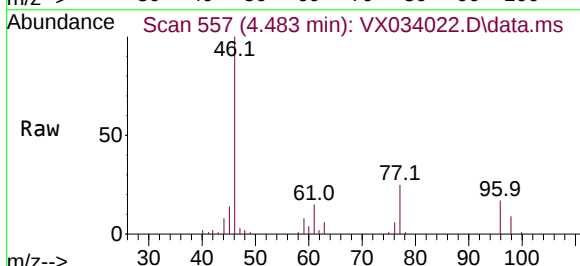
RT: 4.483 min Scan# 557

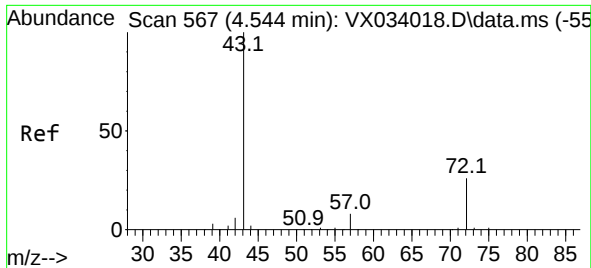
Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Tgt Ion: 96	Resp: 3041
Ion Ratio	Lower Upper
96 100	
61 89.9	80.3 149.1
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 4.682 ug/L
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

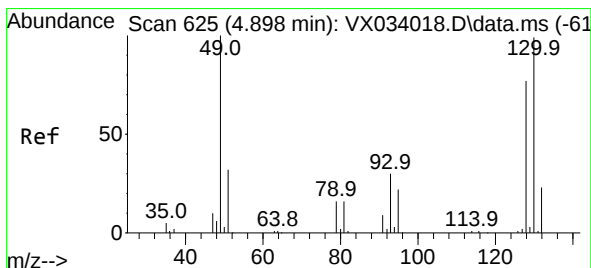
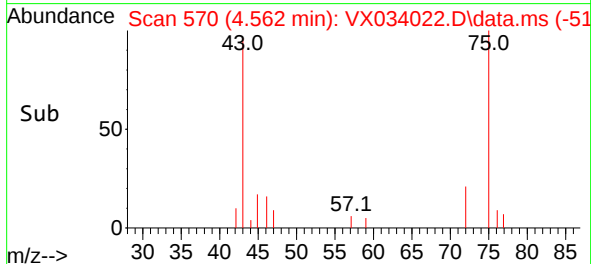
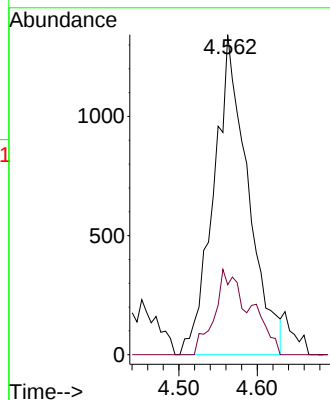
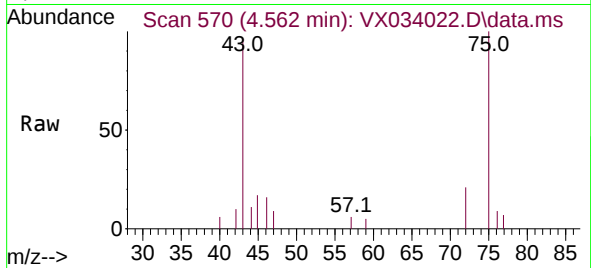
Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
72 9.9 13.2 39.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

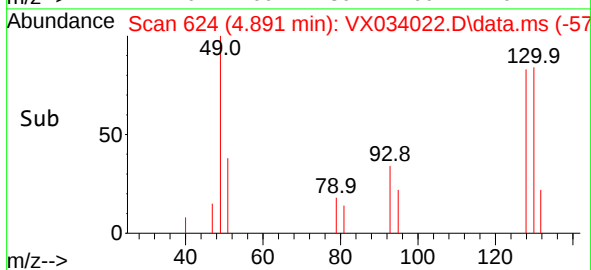
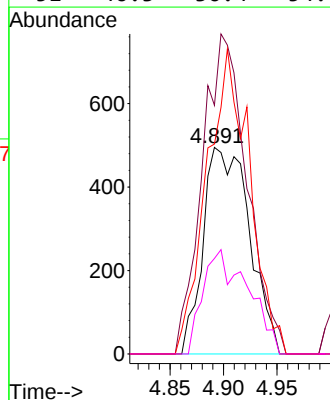
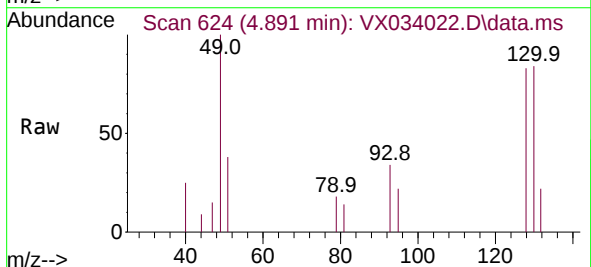
02/07/2023
Supervised By :Mahesh
Dadoda

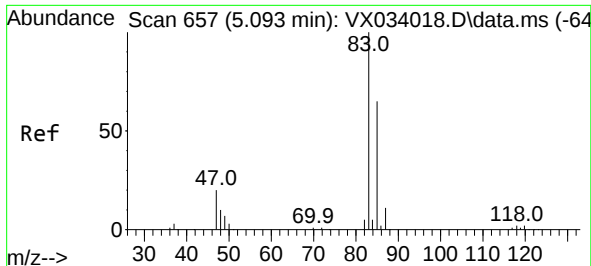
02/07/2023



#23
Bromochloromethane
Concen: 2.095 ug/L m
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:128 Resp: 1495
Ion Ratio Lower Upper
128 100
49 120.4 94.7 175.9
130 101.6 91.3 169.6
51 46.3 36.4 54.6





#25

Chloroform

Concen: 2.579 ug/L

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 83 Resp: 528

Ion Ratio Lower Upper

83 100

85 63.2 47.0 87.4

Manual Integrations

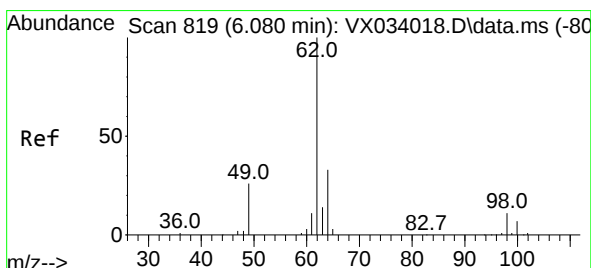
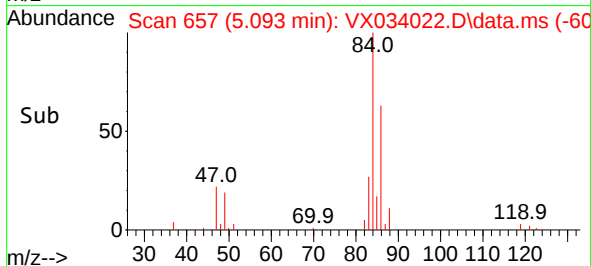
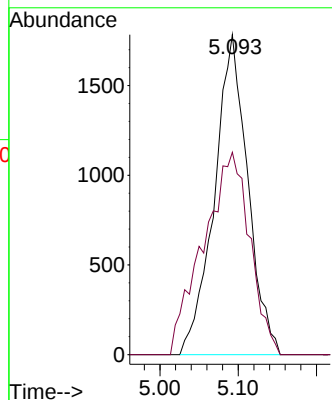
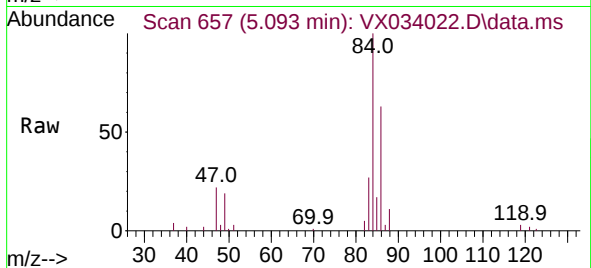
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#27

1,2-Dichloroethane

Concen: 2.230 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.012 min

Lab File: VX034022.D

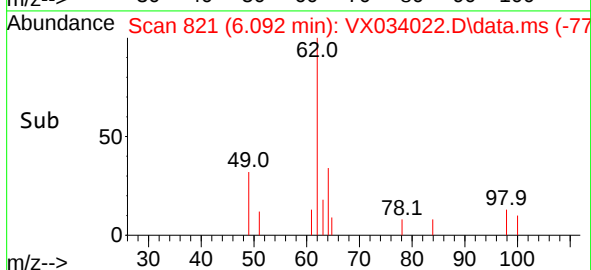
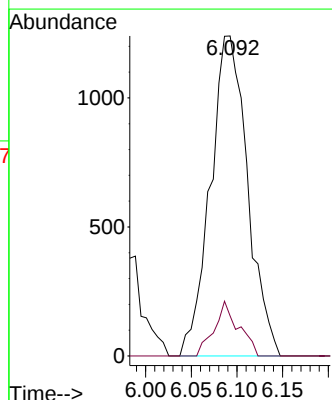
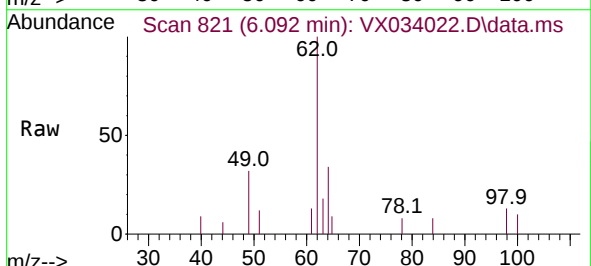
Acq: 06 Feb 2023 12:59

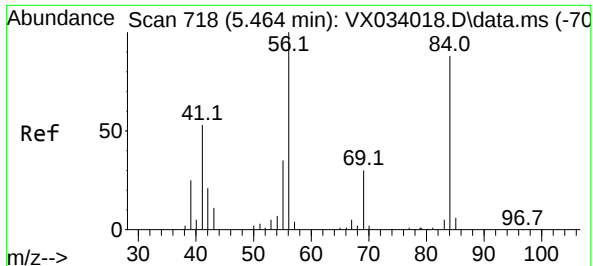
Tgt Ion: 62 Resp: 3509

Ion Ratio Lower Upper

62 100

98 12.5 9.1 13.7





#29

Cyclohexane

Concen: 2.078 ug/L

RT: 5.471 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 56	Resp: 396
Ion Ratio	Lower Upper
56	100
69	21.0 24.8 37.2
84	94.3 73.2 109.8

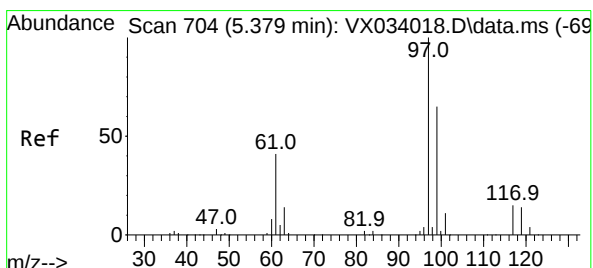
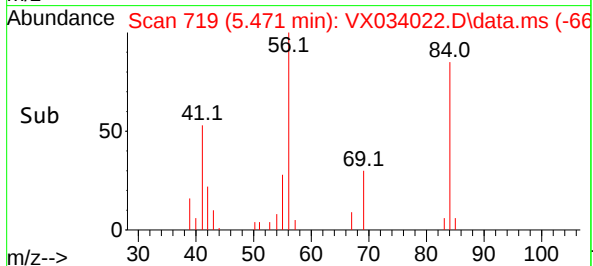
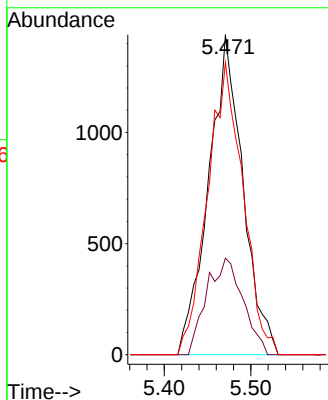
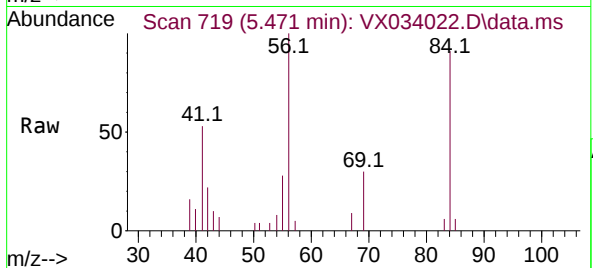
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#30

1,1,1-Trichloroethane

Concen: 2.187 ug/L m

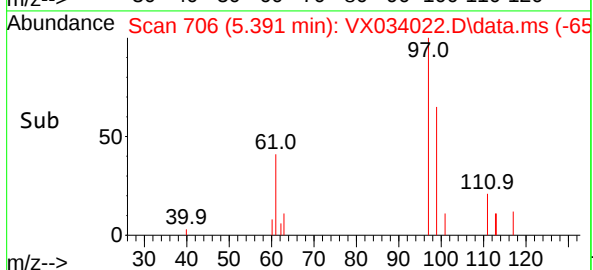
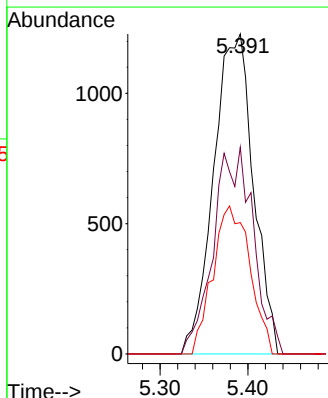
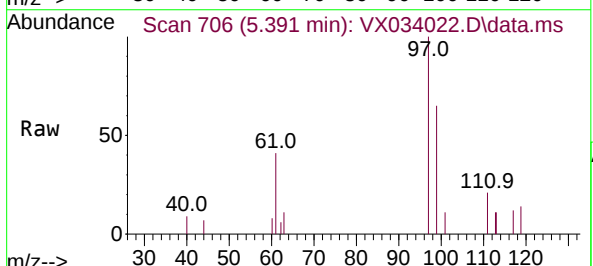
RT: 5.391 min Scan# 706

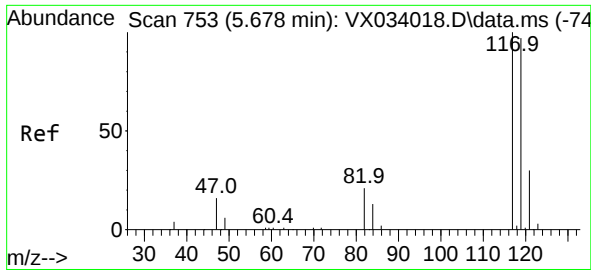
Delta R.T. 0.012 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

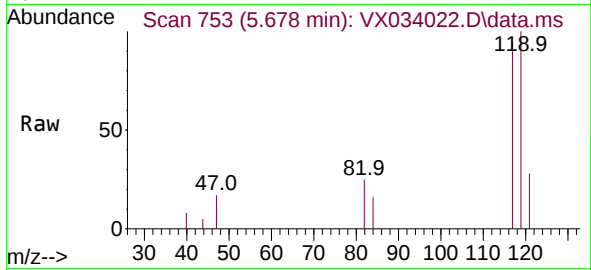
Tgt Ion: 97	Resp: 3858
Ion Ratio	Lower Upper
97	100
99	37.0 51.8 77.8
61	43.2 34.7 52.1





#31
Carbon tetrachloride
Concen: 2.046 ug/L
RT: 5.678 min Scan# 711
Delta R.T. 0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02



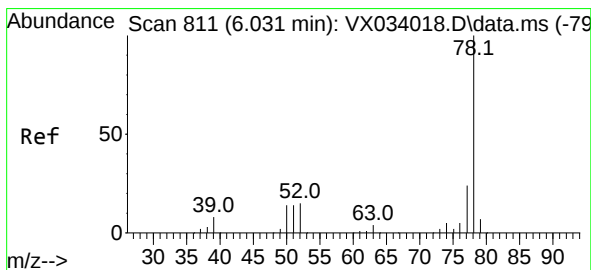
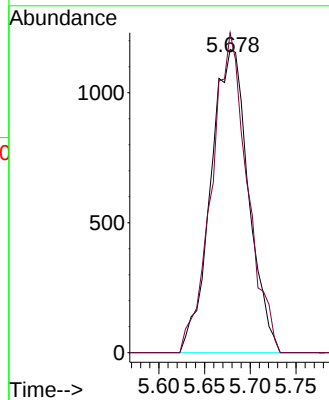
Tgt Ion:117 Resp: 335
Ion Ratio Lower Upper
117 100
119 99.4 77.1 115.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

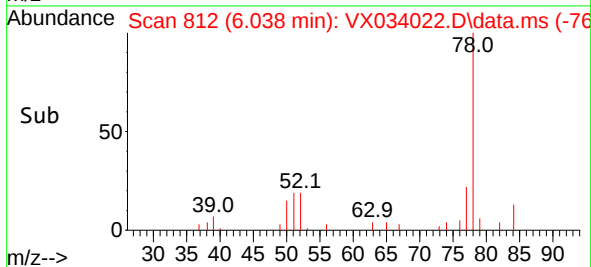
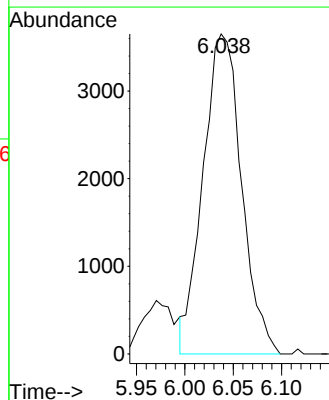
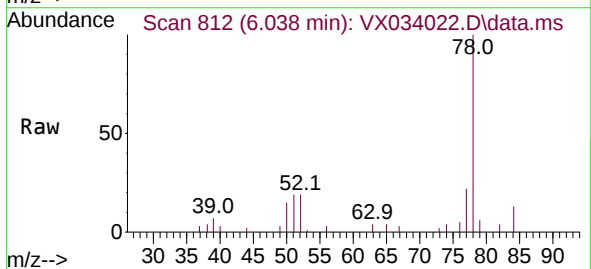
02/07/2023
Supervised By :Mahesh
Dadoda

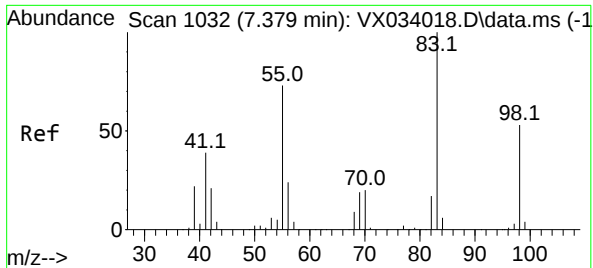
02/07/2023



#33
Benzene
Concen: 2.172 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

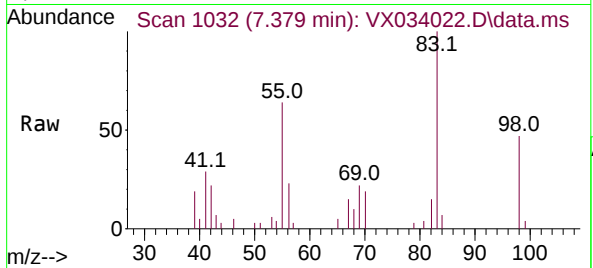
Tgt Ion: 78 Resp: 10082





#35
Methylcyclohexane
Concen: 2.305 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02



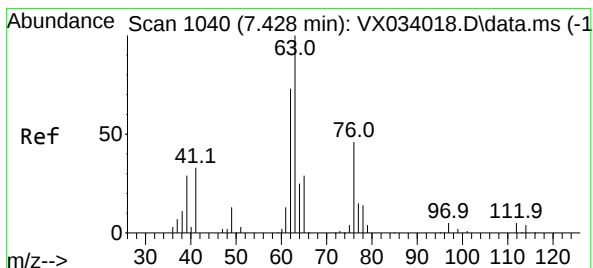
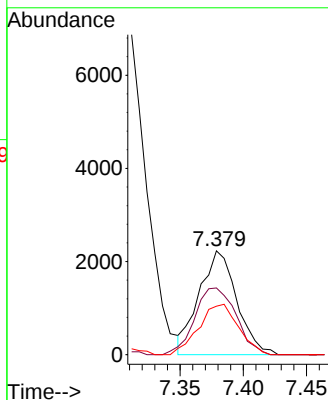
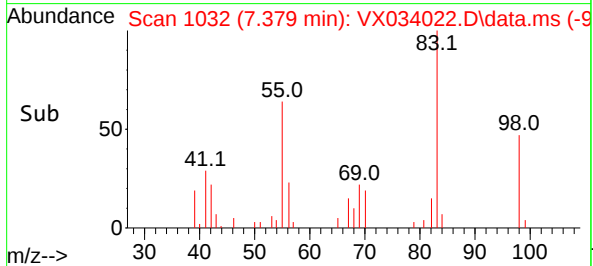
Tgt Ion: 83 Resp: 462
Ion Ratio Lower Upper
83 100
55 70.4 59.0 88.4
98 51.1 40.6 60.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

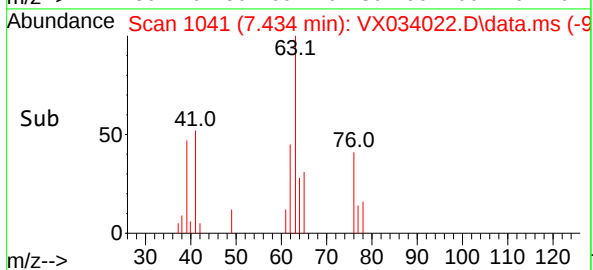
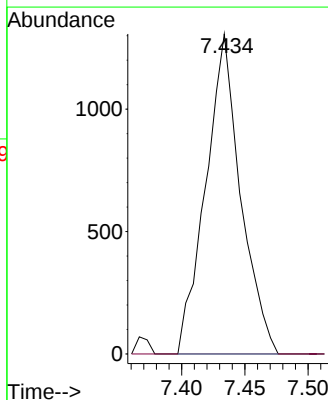
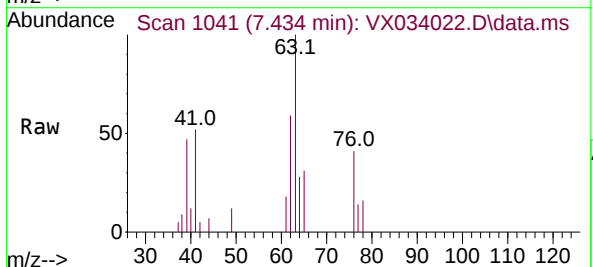
02/07/2023
Supervised By :Mahesh
Dadoda

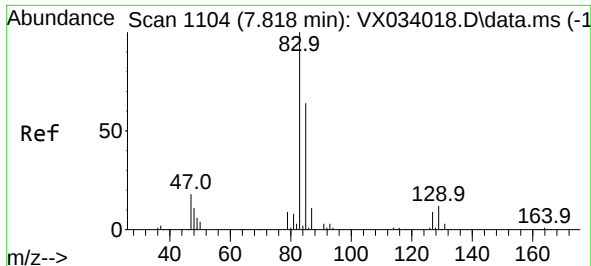
02/07/2023



#37
1,2-Dichloropropane
Concen: 2.125 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

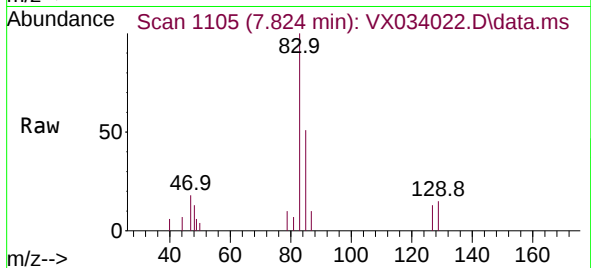
Tgt Ion: 63 Resp: 2512
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#





#38
Bromodichloromethane
Concen: 2.027 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02



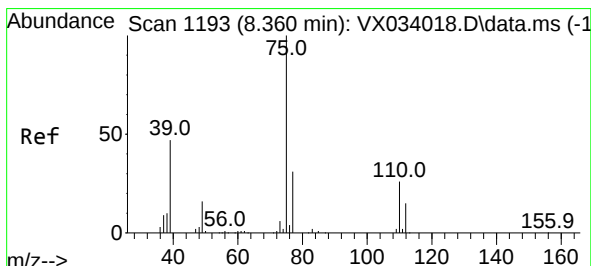
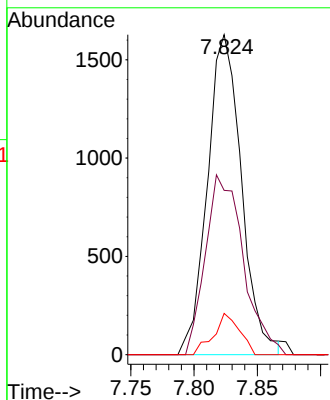
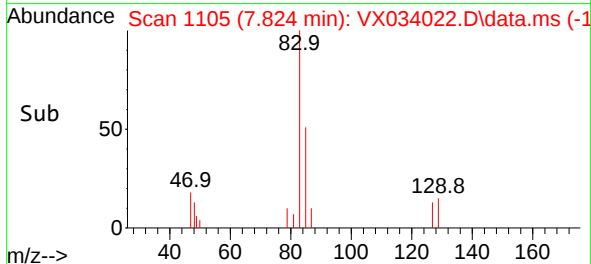
Tgt Ion: 83 Resp: 3040
Ion Ratio Lower Upper
83 100
85 51.4 46.3 85.9
127 12.9 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

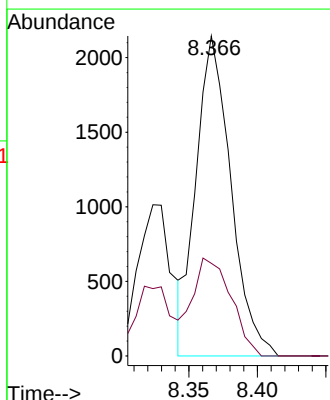
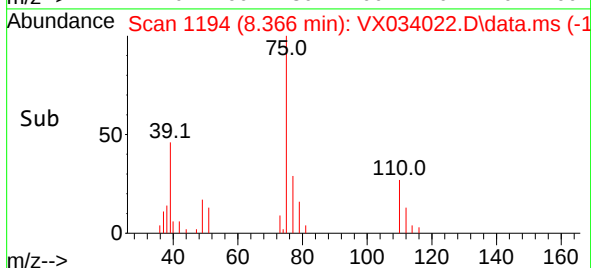
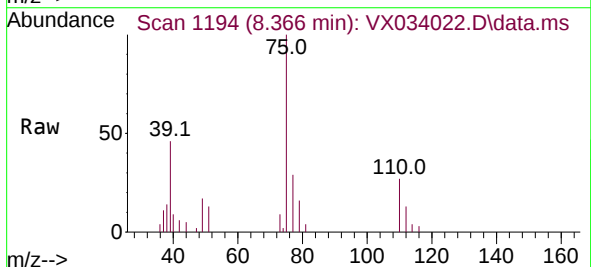
02/07/2023
Supervised By :Mahesh
Dadoda

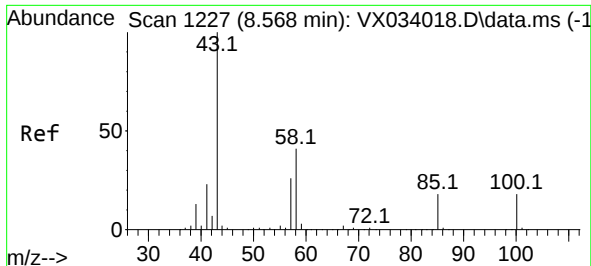
02/07/2023



#39
cis-1,3-Dichloropropene
Concen: 2.085 ug/L
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion: 75 Resp: 3783
Ion Ratio Lower Upper
75 100
77 29.0 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 4.295 ug/L

RT: 8.574 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 43 Resp: 624
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.9 47.9
 100 18.2 14.4 21.6

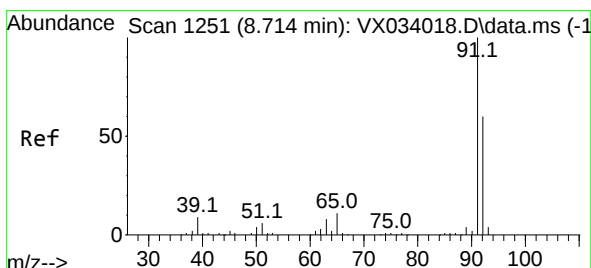
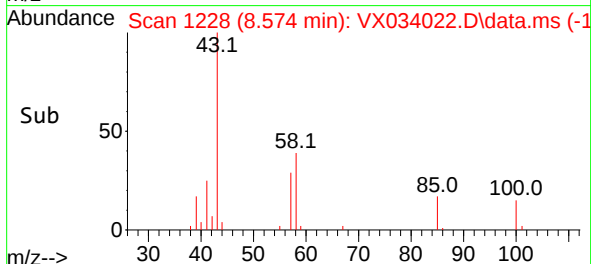
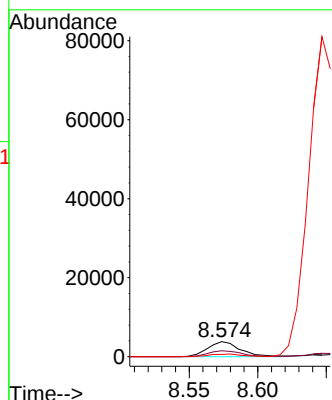
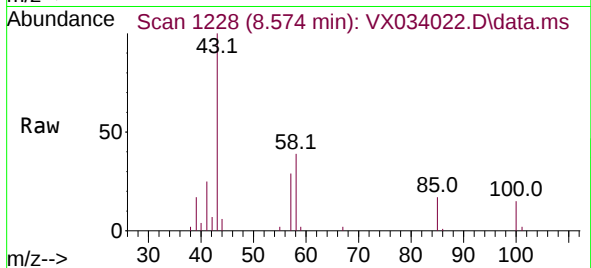
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/07/2023

Supervised By :Mahesh
 Dadoda

02/07/2023



#42

Toluene

Concen: 2.188 ug/L

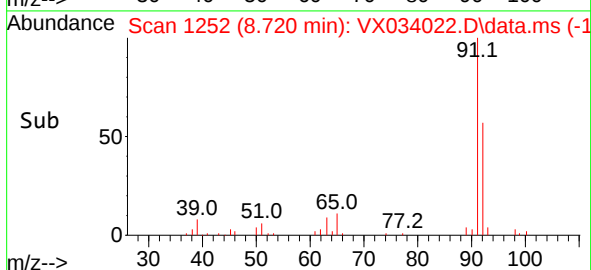
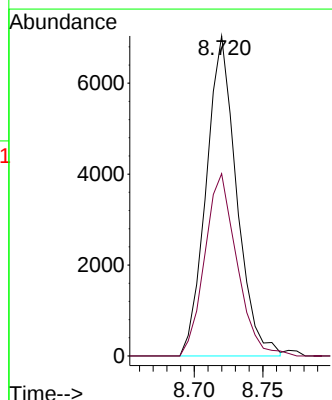
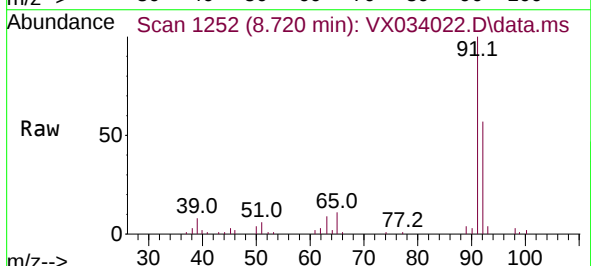
RT: 8.720 min Scan# 1252

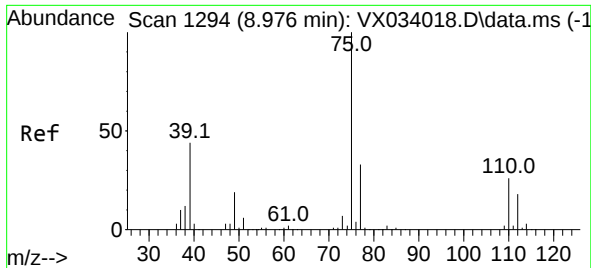
Delta R.T. 0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

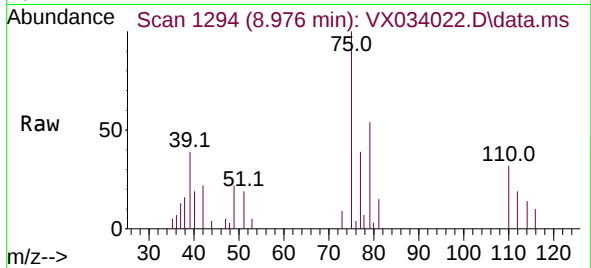
Tgt Ion: 91 Resp: 10860
 Ion Ratio Lower Upper
 91 100
 92 57.0 41.6 77.3





#44
trans-1,3-Dichloropropene
Concen: 2.122 ug/L m
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02



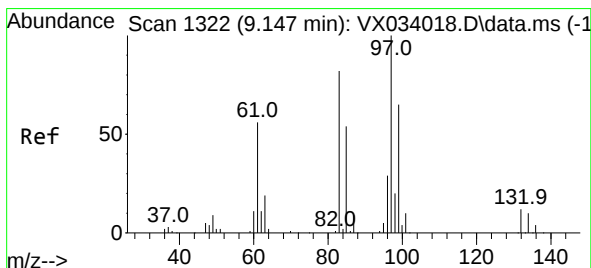
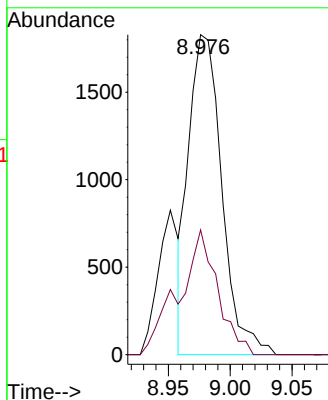
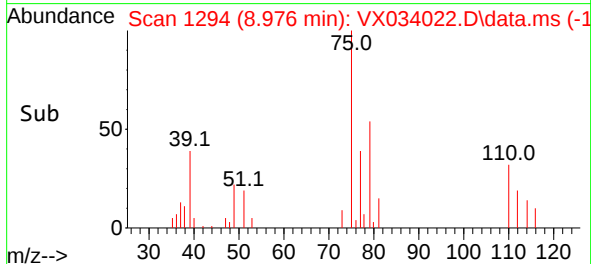
Tgt Ion: 75 Resp: 3420
Ion Ratio Lower Upper
75 100
77 39.0 22.3 41.3

Manual Integrations
APPROVED

Reviewed By :John
Carlone

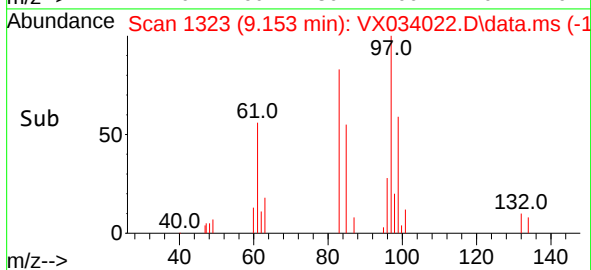
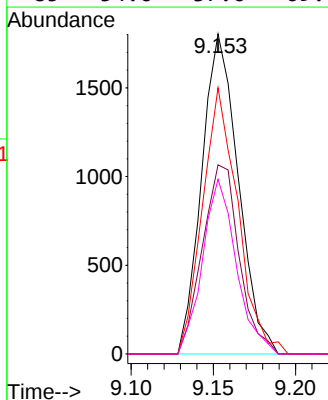
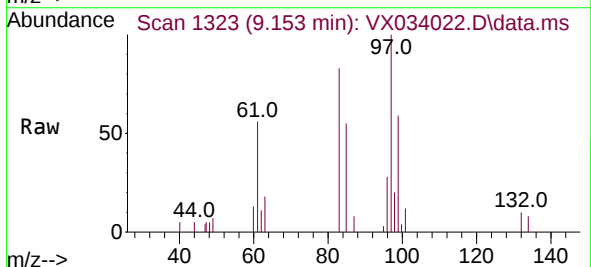
02/07/2023
Supervised By :Mahesh
Dadoda

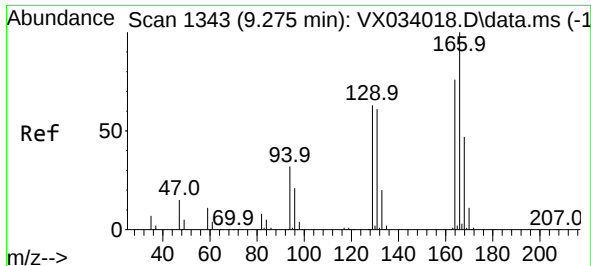
02/07/2023



#45
1,1,2-Trichloroethane
Concen: 2.325 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

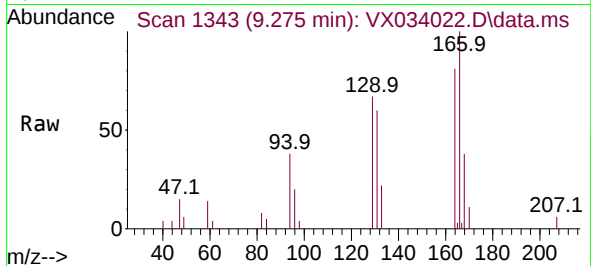
Tgt Ion: 97 Resp: 2782
Ion Ratio Lower Upper
97 100
99 59.1 43.5 80.9
83 83.2 56.8 105.4
85 54.6 37.6 69.8





#46
Tetrachloroethene
Concen: 2.274 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02



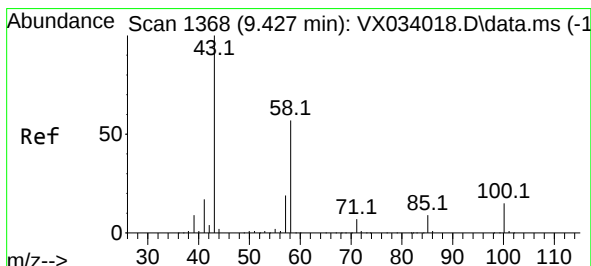
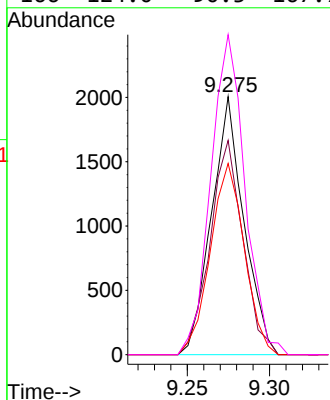
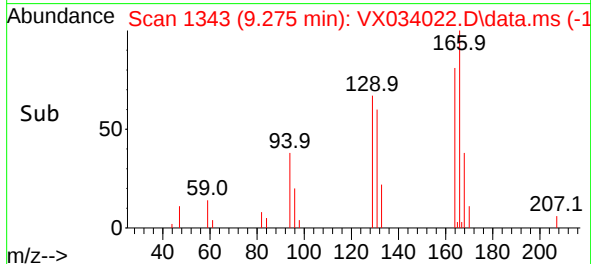
Tgt Ion:164 Resp: 2740
Ion Ratio Lower Upper
164 100
129 83.0 59.3 110.1
131 74.0 56.1 104.3
166 124.0 90.3 167.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

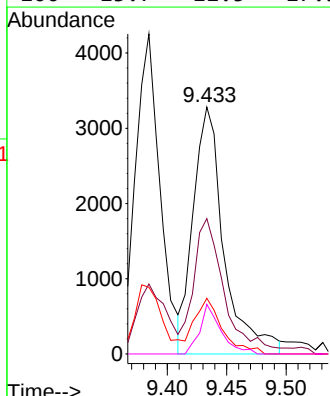
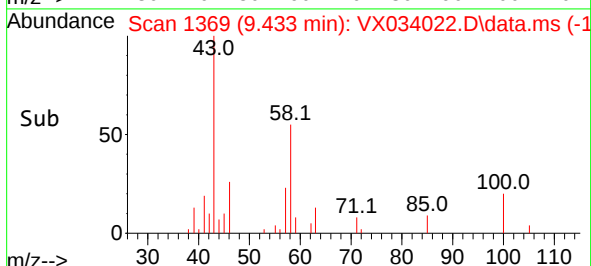
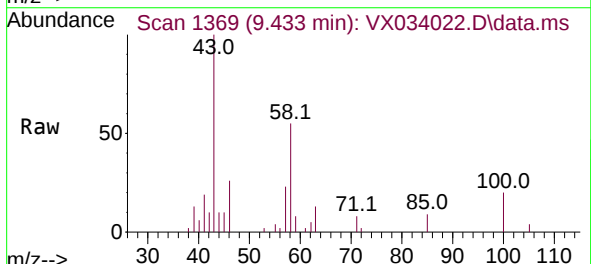
02/07/2023
Supervised By :Mahesh
Dadoda

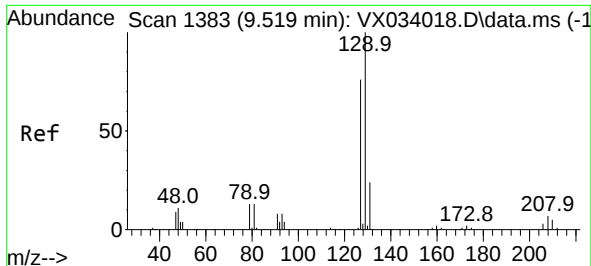
02/07/2023



#48
2-Hexanone
Concen: 5.108 ug/L m
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion: 43 Resp: 5921
Ion Ratio Lower Upper
43 100
58 50.9 45.7 68.5
57 20.0 15.8 23.8
100 13.7 11.5 17.3





#49

Dibromochloromethane

Concen: 2.032 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion:129 Resp: 262

Ion Ratio Lower Upper

129 100

127 73.8 53.3 98.9

Manual Integrations

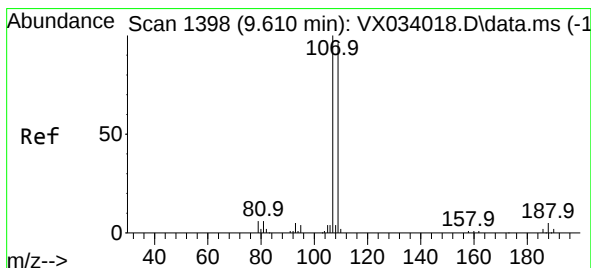
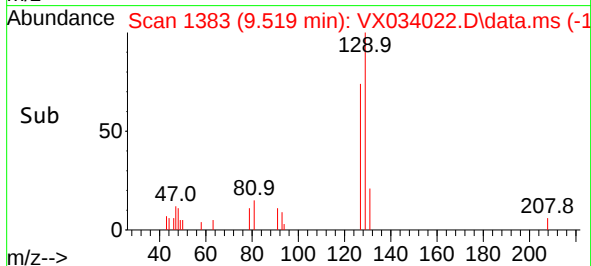
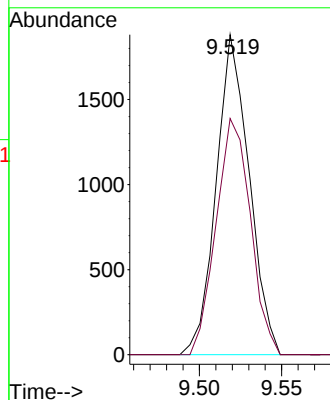
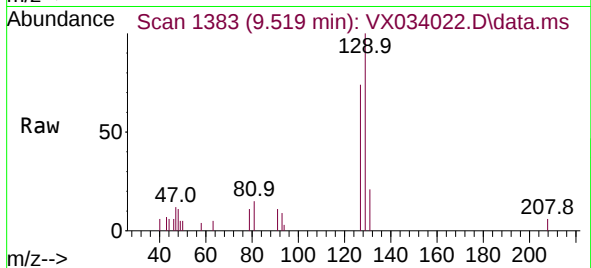
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#50

1,2-Dibromoethane

Concen: 2.189 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

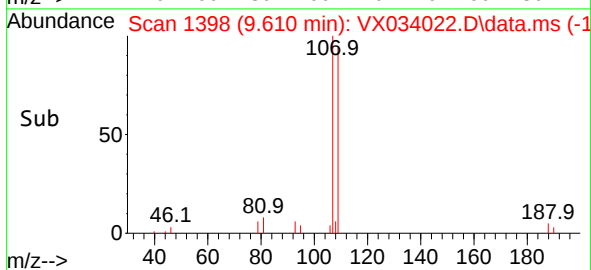
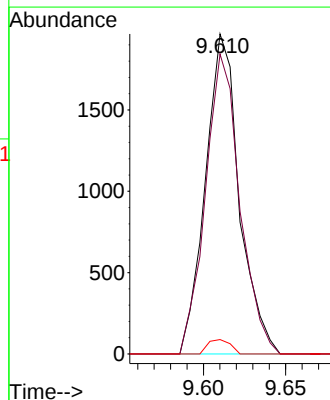
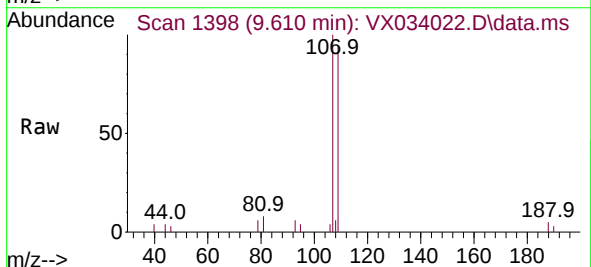
Tgt Ion:107 Resp: 2815

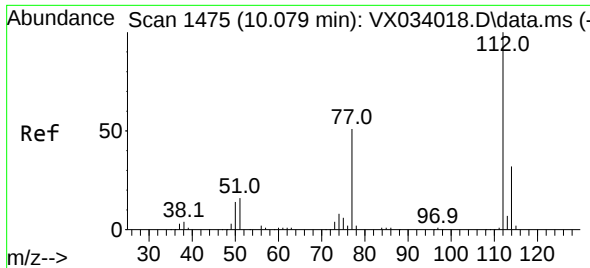
Ion Ratio Lower Upper

107 100

109 93.7 64.9 120.5

188 4.5 3.3 4.9





#51
Chlorobenzene
Concen: 2.269 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

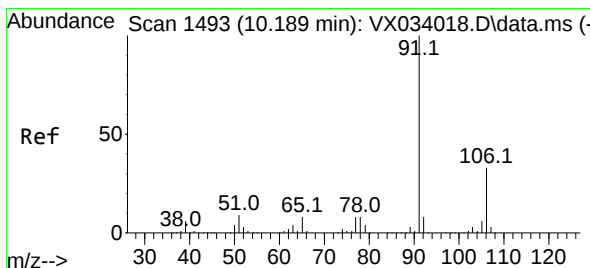
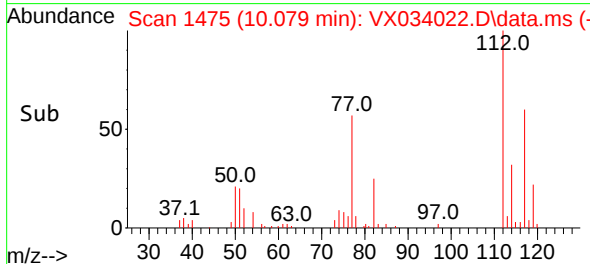
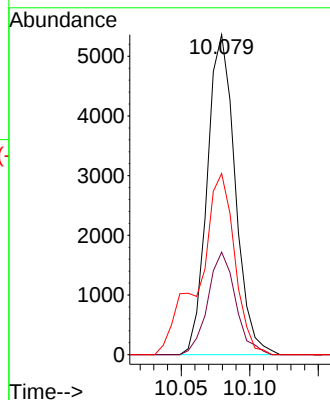
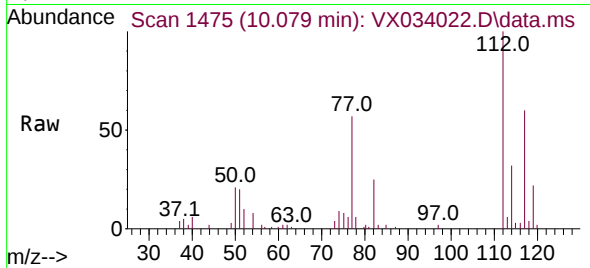
Tgt Ion:	112	Resp:	7609
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	56.6	43.4	65.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

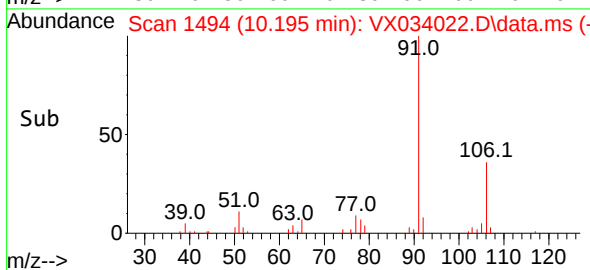
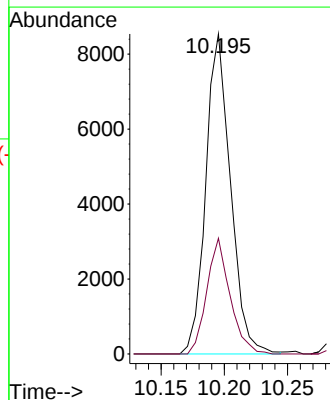
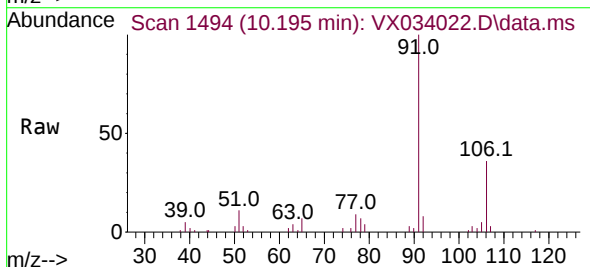
02/07/2023
Supervised By :Mahesh
Dadoda

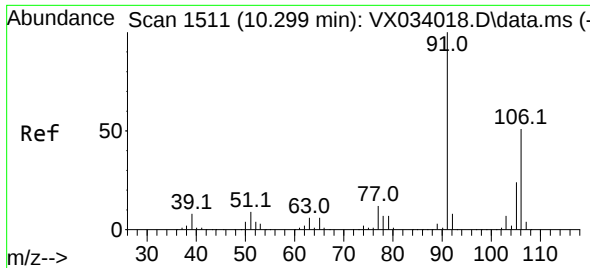
02/07/2023



#52
Ethylbenzene
Concen: 2.130 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:	91	Resp:	11622
Ion	Ratio	Lower	Upper
91	100		
106	36.1	23.2	43.0





#53
m,p-Xylene
Concen: 2.167 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

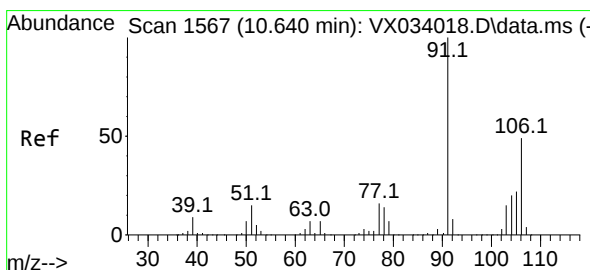
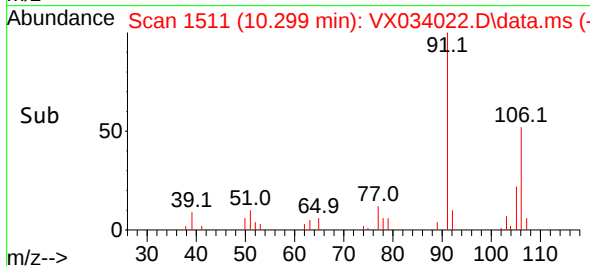
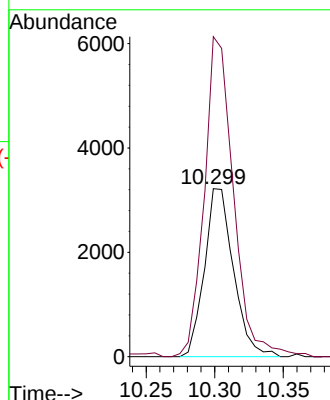
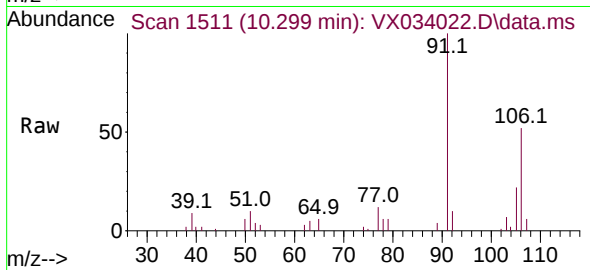
Tgt Ion:106 Resp: 4740
Ion Ratio Lower Upper
106 100
91 190.5 135.2 251.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

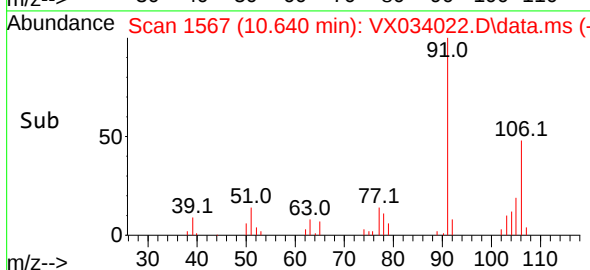
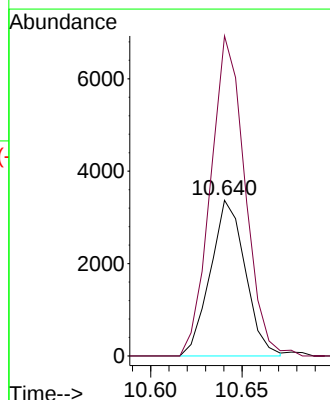
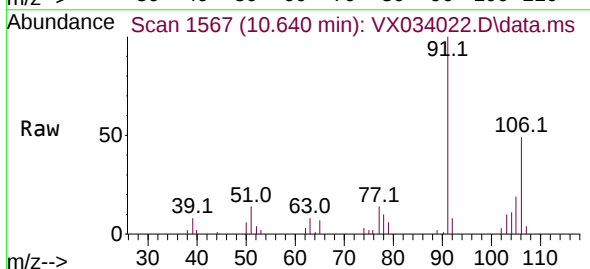
02/07/2023
Supervised By :Mahesh
Dadoda

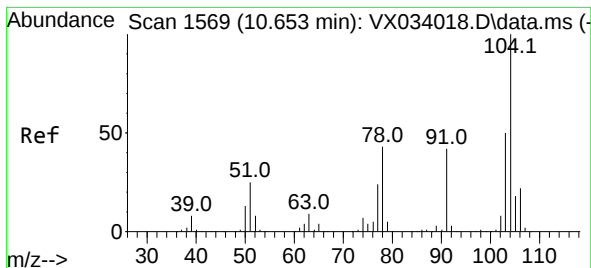
02/07/2023



#54
o-Xylene
Concen: 2.117 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:106 Resp: 4479
Ion Ratio Lower Upper
106 100
91 205.5 140.2 260.4





#55

Styrene

Concen: 2.030 ug/L

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion:104 Resp: 720

Ion Ratio Lower Upper

104 100

78 41.4 30.0 55.8

Manual Integrations

APPROVED

Reviewed By :John

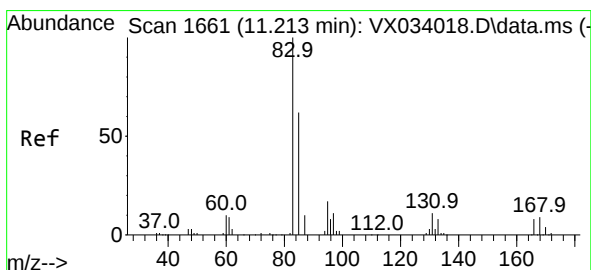
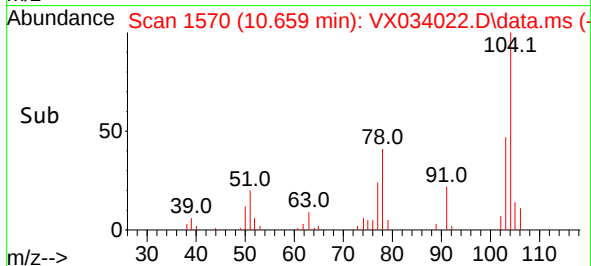
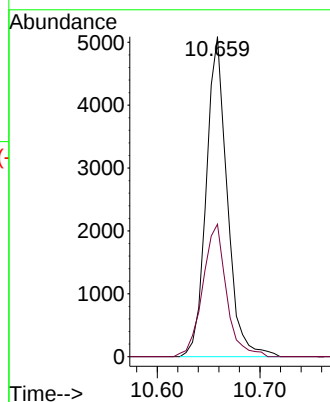
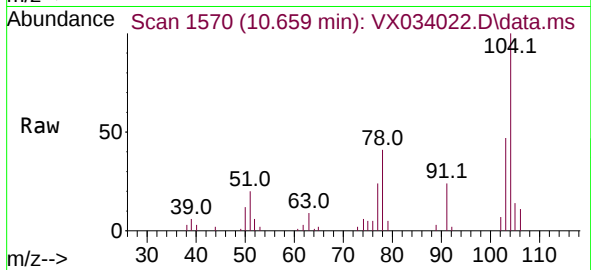
Carlone

02/07/2023

Supervised By :Mahesh

Dadoda

02/07/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 2.747 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

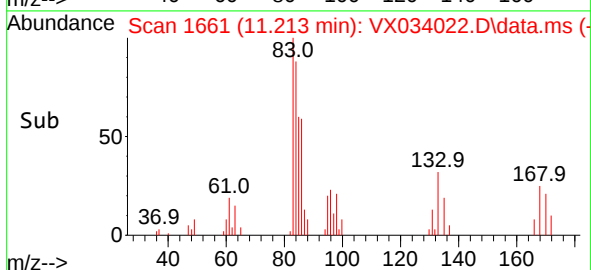
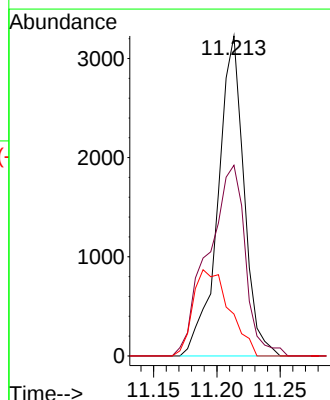
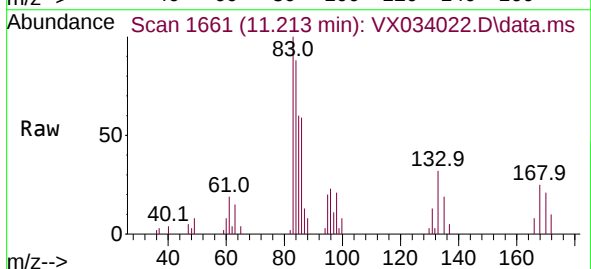
Tgt Ion: 83 Resp: 4620

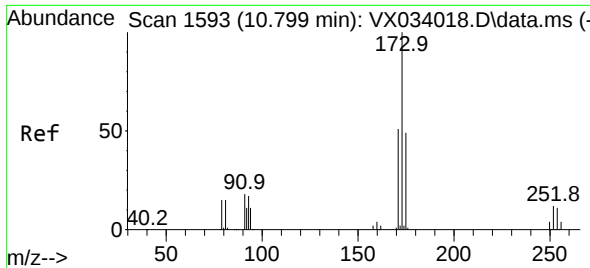
Ion Ratio Lower Upper

83 100

85 59.6 45.8 85.0

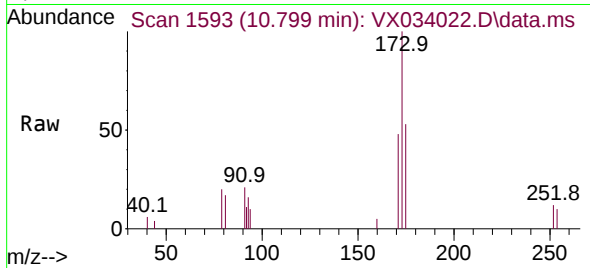
131 13.1 9.1 13.7





#59
Bromoform
Concen: 2.092 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02



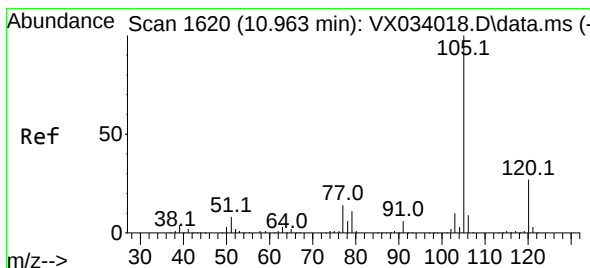
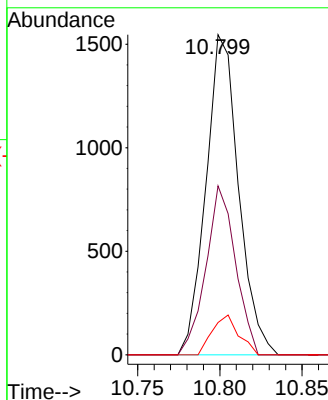
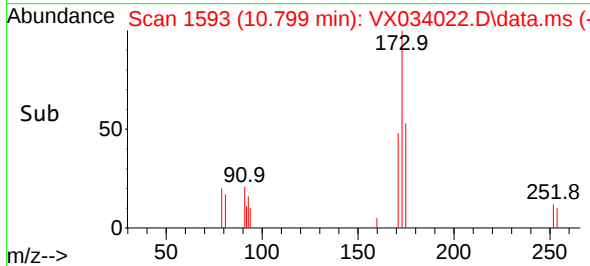
Tgt Ion:173 Resp: 2135
Ion Ratio Lower Upper
173 100
175 47.7 38.3 57.5
254 10.0 9.1 13.7

Manual Integrations
APPROVED

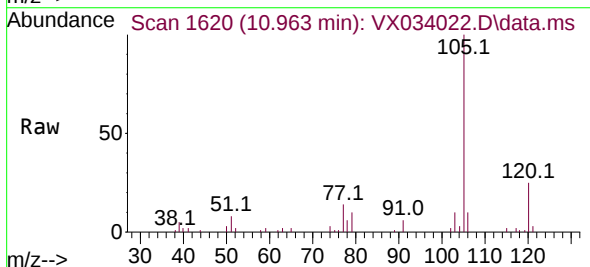
Reviewed By :John
Carlone

02/07/2023
Supervised By :Mahesh
Dadoda

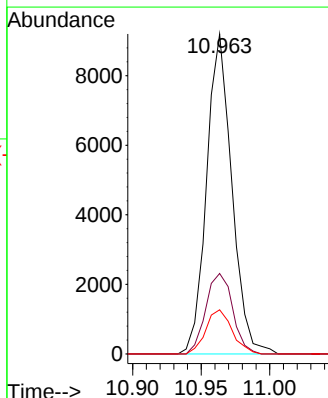
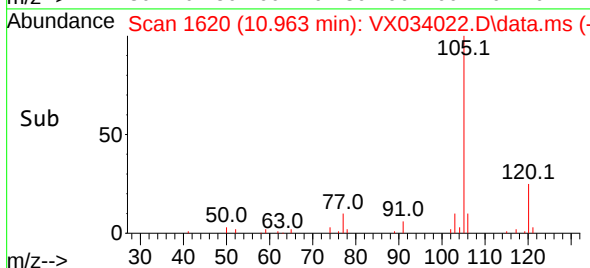
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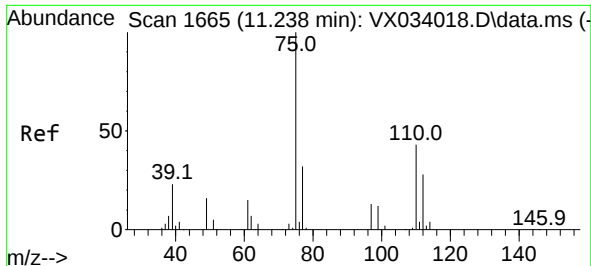


#60
Isopropylbenzene
Concen: 2.146 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59



Tgt Ion:105 Resp: 11761
Ion Ratio Lower Upper
105 100
120 26.7 21.8 32.6
77 14.4 11.3 16.9





#61
1,2,3-Trichloropropane
Concen: 2.297 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

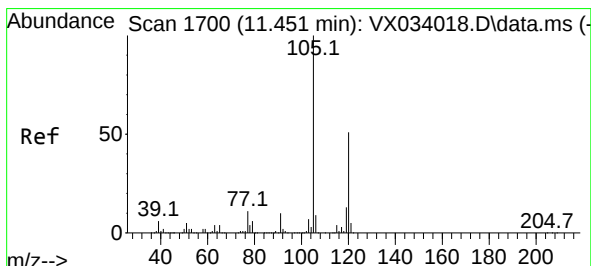
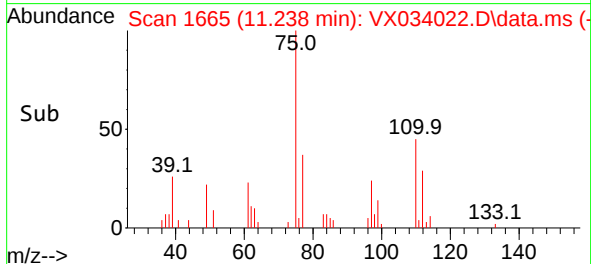
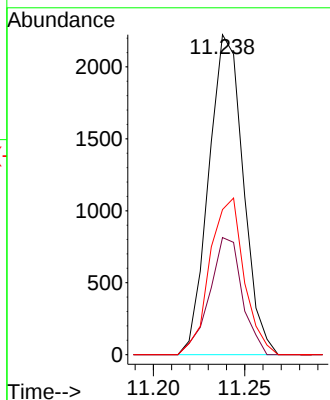
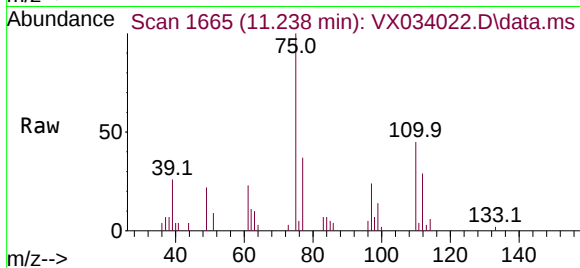
Tgt Ion: 75 Resp: 2925
Ion Ratio Lower Upper
75 100
77 34.6 26.1 39.1
110 48.5 34.2 51.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

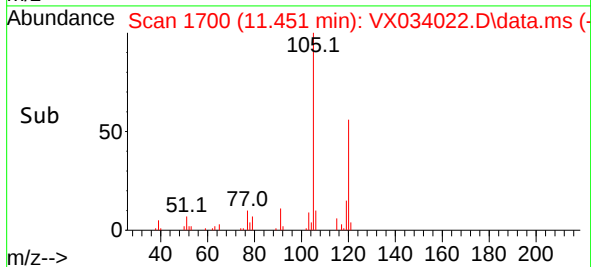
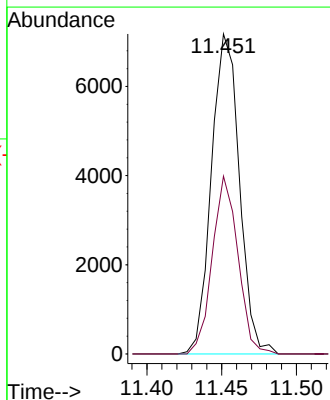
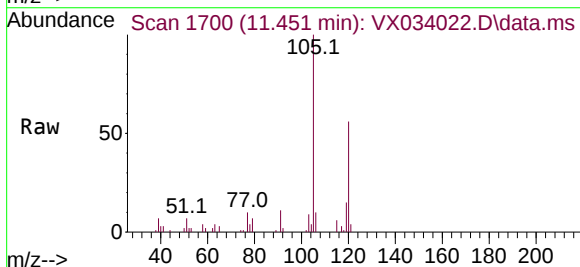
02/07/2023
Supervised By :Mahesh
Dadoda

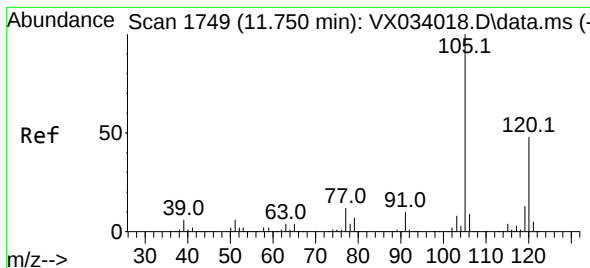
02/07/2023



#62
1,3,5-Trimethylbenzene
Concen: 2.080 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:105 Resp: 9329
Ion Ratio Lower Upper
105 100
120 50.9 41.3 61.9





#63

1,2,4-Trimethylbenzene

Concen: 2.027 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion:105 Resp: 896

Ion Ratio Lower Upper

105 100

120 50.6 38.5 57.7

Manual Integrations

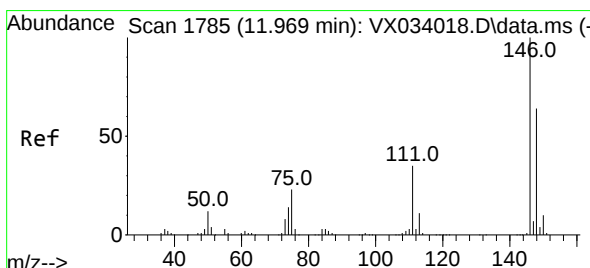
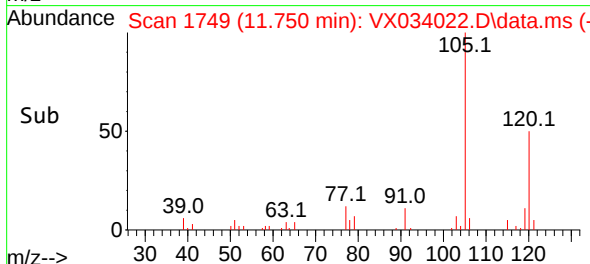
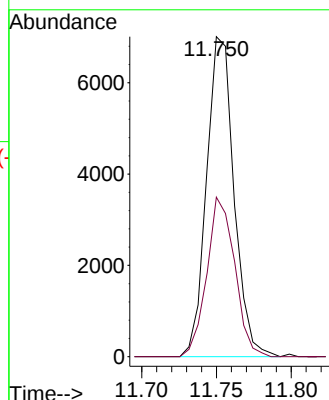
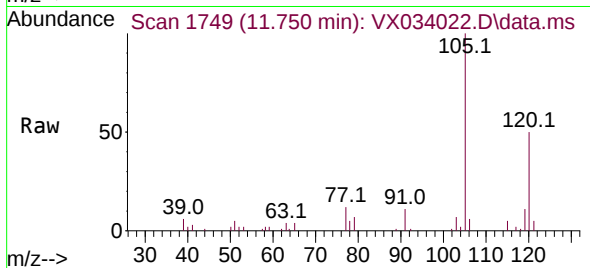
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

02/07/2023



#64

1,3-Dichlorobenzene

Concen: 2.267 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX034022.D

Acq: 06 Feb 2023 12:59

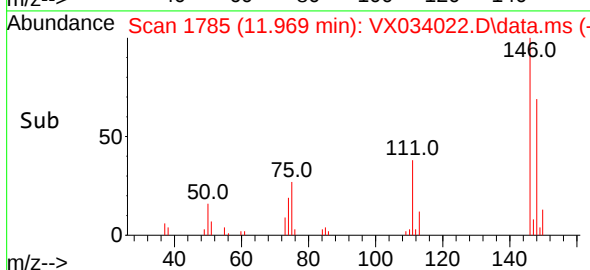
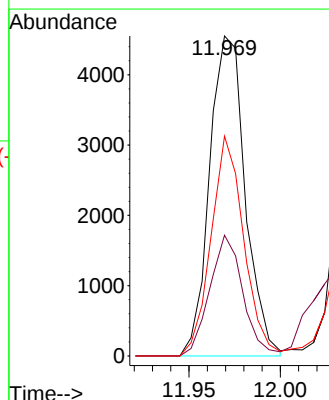
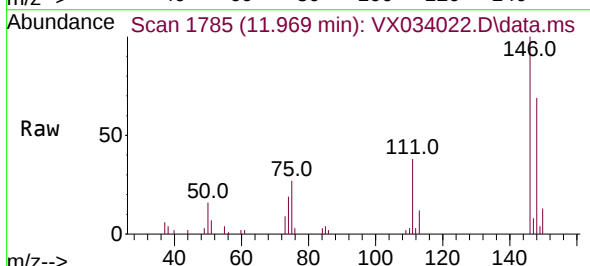
Tgt Ion:146 Resp: 6176

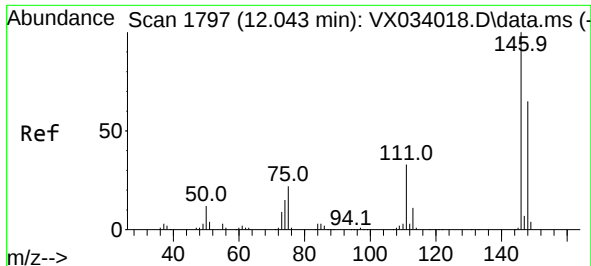
Ion Ratio Lower Upper

146 100

111 37.8 25.5 47.3

148 68.7 44.9 83.3





#65
1,4-Dichlorobenzene
Concen: 2.300 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

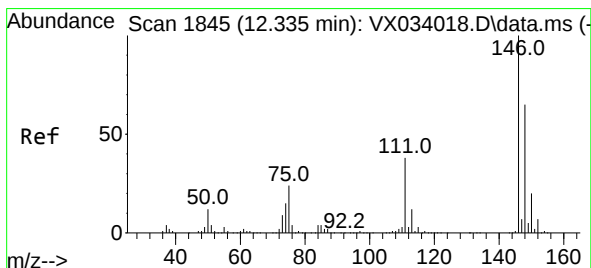
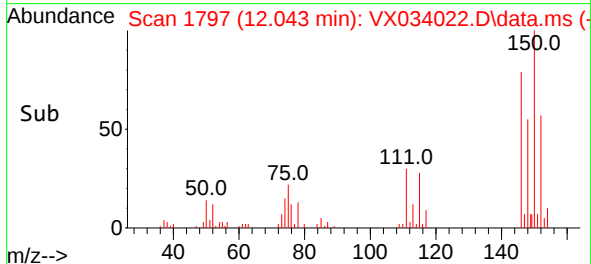
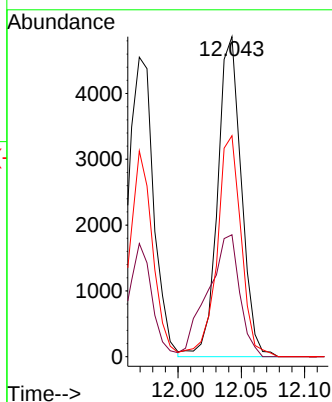
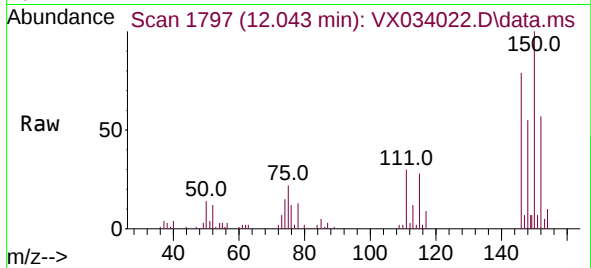
Tgt Ion:146 Resp: 634
Ion Ratio Lower Upper
146 100
111 38.1 23.7 44.1
148 69.1 45.0 83.6

Manual Integrations
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Reviewed By :John
Carlone

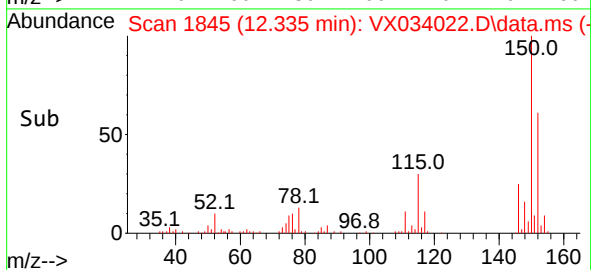
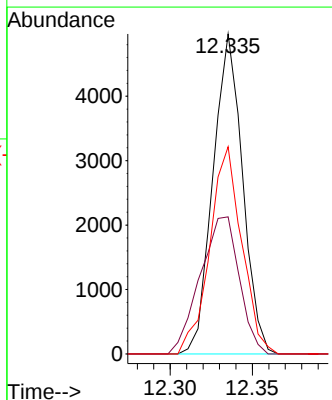
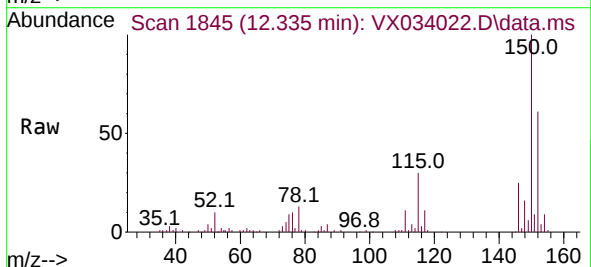
02/07/2023
Supervised By :Mahesh
Dadoda

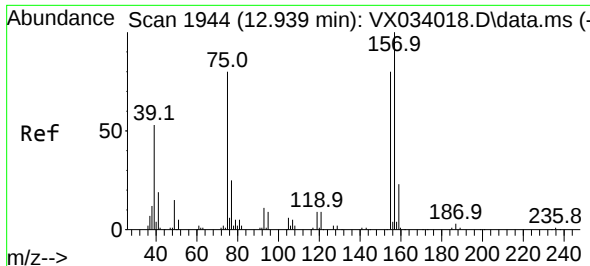
02/07/2023



#67
1,2-Dichlorobenzene
Concen: 2.333 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Tgt Ion:146 Resp: 6215
Ion Ratio Lower Upper
146 100
111 42.8 30.4 45.6
148 64.7 51.4 77.2





#68

1,2-Dibromo-3-chloropropane

Concen: 2.084 ug/L m

RT: 12.945 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VX034022.D

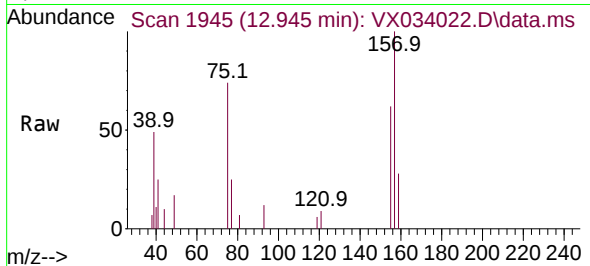
Acq: 06 Feb 2023 12:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02



Tgt Ion: 75 Resp: 650

Ion	Ratio	Lower	Upper
75	100		
155	83.8	89.0	133.6
157	134.4	116.9	175.3

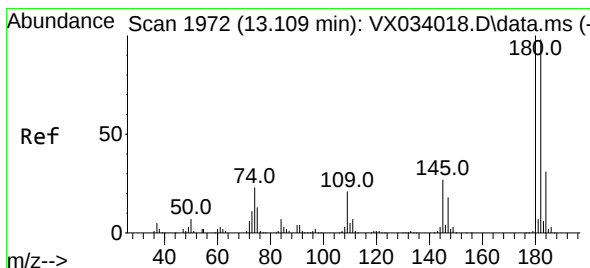
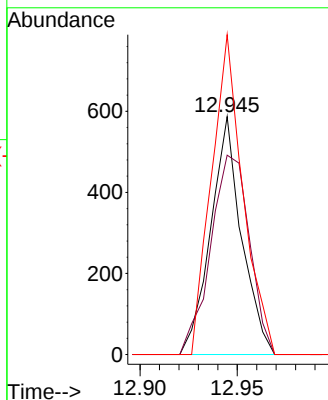
Manual Integrations
APPROVED

Reviewed By :John
Carlone

02/07/2023

Supervised By :Mahesh
Dadoda

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#69

1,3,5-Trichlorobenzene

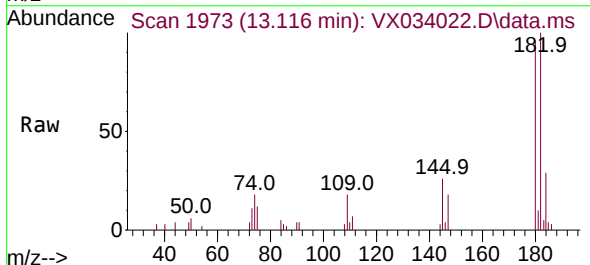
Concen: 2.068 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.006 min

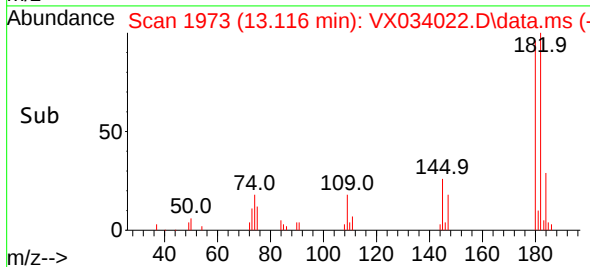
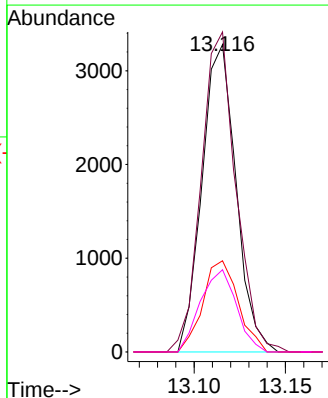
Lab File: VX034022.D

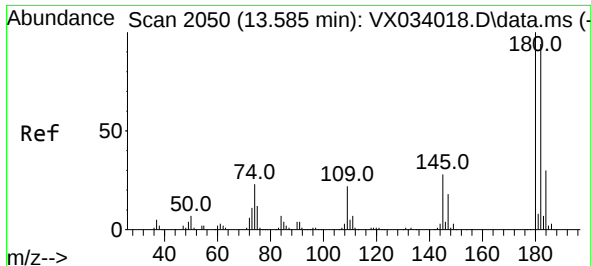
Acq: 06 Feb 2023 12:59



Tgt Ion:180 Resp: 4248

Ion	Ratio	Lower	Upper
180	100		
182	106.0	77.3	115.9
184	31.0	24.5	36.7
145	28.3	21.9	32.9





#70
1,2,4-trichlorobenzene
Concen: 2.071 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

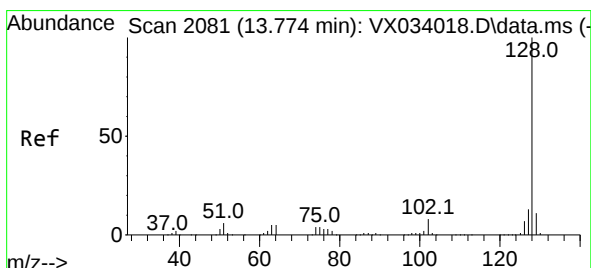
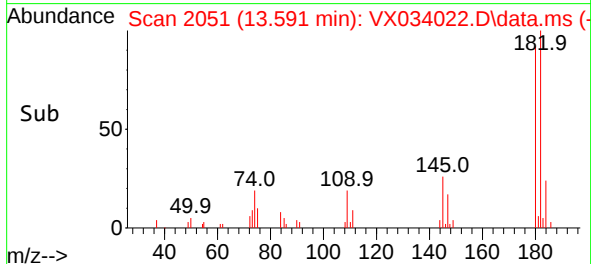
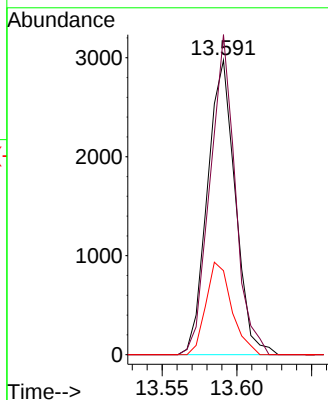
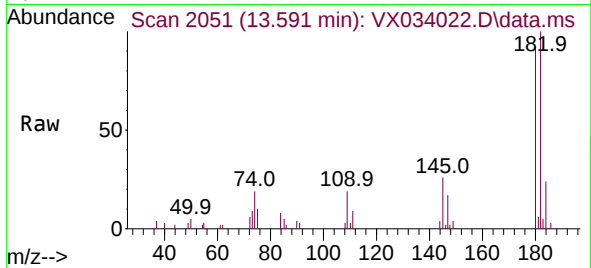
Tgt Ion:180 Resp: 3862
Ion Ratio Lower Upper
180 100
182 98.0 76.5 114.7
145 29.0 22.3 33.5

Manual Integrations
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Reviewed By :John
Carlone

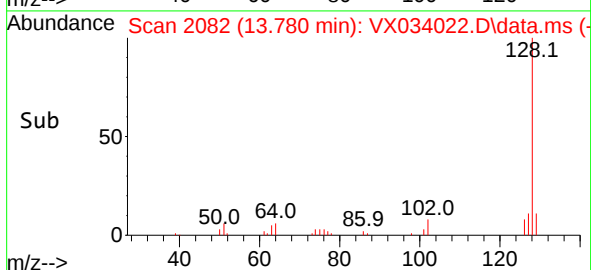
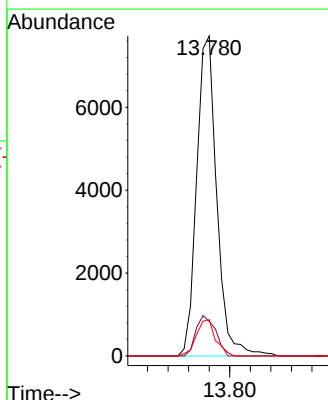
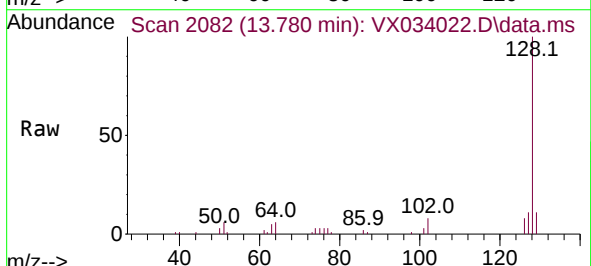
02/07/2023
Supervised By :Mahesh
Dadoda

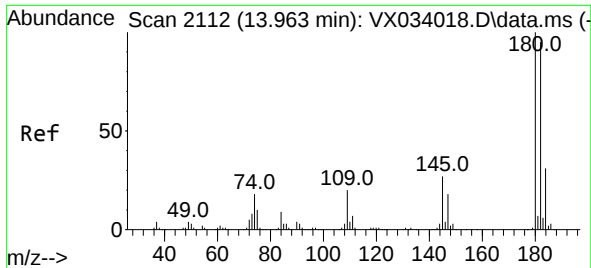
02/07/2023



#71
Naphthalene
Concen: 2.036 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034022.D
Acq: 06 Feb 2023 12:59

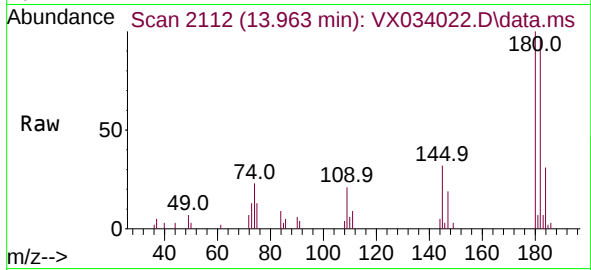
Tgt Ion:128 Resp: 10515
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.6 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 2.021 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX034022.D
 Acq: 06 Feb 2023 12:59

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT1-2023-02



Tgt Ion:180 Resp: 372
 Ion Ratio Lower Upper
 180 100
 182 99.4 77.1 115.7
 145 32.5 23.5 35.3

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

02/07/2023
 Supervised By :Mahesh
 Dadoda

02/07/2023

