

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031689.D
 Acq On : 12 Jul 2023 12:36
 Operator : SY/MD
 Sample : 03573-06
 Misc : 5.00g/5.0uL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Jul 13 05:07:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/13/2023

Supervised By :Mahesh
 Dadoda
 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	264682	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	284405	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	132979	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	104598	43.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.320%		
7) Chloroethane-d5	1.532	69	96280	55.537	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	111.080%		
11) 1,1-Dichloroethene-d2	2.060	65	53389	50.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.060%		
21) 2-Butanone-d5	3.796	46	115933	75.726	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	75.730%		
24) Chloroform-d	4.256	84	238138	49.808	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.620%		
26) 1,2-Dichloroethane-d4	4.947	65	152504	50.728	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.460%		
32) Benzene-d6	4.966	84	405044	47.500	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.000%		
36) 1,2-Dichloropropane-d6	5.995	67	144611	52.451	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.900%		
41) Toluene-d8	7.249	98	344736	44.964	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
43) trans-1,3-Dichloroprop...	7.558	79	63150	45.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.740%		
47) 2-Hexanone-d5	8.030	63	85028	80.461	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.460%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	213085	51.028	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.060%		
66) 1,2-Dichlorobenzene-d4	11.567	152	129315	53.018	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	8763	2.663	ug/L	95
3) Chloromethane	1.217	50	9105	2.675	ug/L	99
5) Vinyl chloride	1.281	62	8165	2.561	ug/L #	72
6) Bromomethane	1.487	94	6117	3.358	ug/L	84
8) Chloroethane	1.548	64	5549	3.157	ug/L	95
9) Trichlorofluoromethane	1.712	101	13796	3.020	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8721	3.317	ug/L	86
12) 1,1-Dichloroethene	2.069	96	8383	3.668	ug/L #	1
13) Acetone	2.114	43	6833	5.165	ug/L	94
14) Carbon disulfide	2.243	76	20989	2.789	ug/L	99
15) Methyl Acetate	2.381	43	8575	3.075	ug/L #	89
16) Methylene chloride	2.452	84	8666	3.208	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	6425m	2.752	ug/L	
18) Methyl tert-butyl Ether	2.709	73	16586	2.335	ug/L #	94
19) 1,1-Dichloroethane	3.117	63	13263	2.779	ug/L #	94
20) cis-1,2-Dichloroethene	3.825	96	6448	2.693	ug/L	92
22) 2-Butanone	3.899	43	11901m	6.493	ug/L	
23) Bromochloromethane	4.169	128	3140m	2.412	ug/L	
25) Chloroform	4.281	83	17805m	3.638	ug/L	

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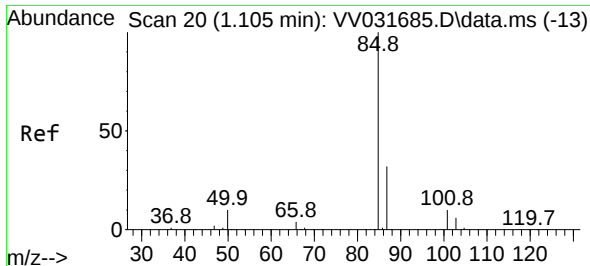
Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/13/2023

Supervised By :Mahesh
 Dadoda
 07/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	10747	2.955	ug/L	100
29) Cyclohexane	4.587	56	7963	2.136	ug/L #	67
30) 1,1,1-Trichloroethane	4.519	97	12124	2.728	ug/L	96
31) Carbon tetrachloride	4.744	117	10826	2.749	ug/L	99
33) Benzene	5.018	78	25370	2.616	ug/L	100
34) Trichloroethene	5.844	95	7108	2.605	ug/L #	74
35) Methylcyclohexane	6.059	83	9069m	2.442	ug/L	
37) 1,2-Dichloropropane	6.104	63	7419	2.736	ug/L #	95
38) Bromodichloromethane	6.445	83	10648	2.897	ug/L	98
39) cis-1,3-Dichloropropene	6.966	75	10214m	2.490	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	14638	4.341	ug/L	93
42) Toluene	7.326	91	24796	2.476	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	9775	2.389	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	7778	2.897	ug/L	96
46) Tetrachloroethene	7.915	164	4665	2.248	ug/L	96
48) 2-Hexanone	8.091	43	17607	6.212	ug/L #	88
49) Dibromochloromethane	8.188	129	7842	2.630	ug/L	92
50) 1,2-Dibromoethane	8.294	107	7828	2.646	ug/L #	97
51) Chlorobenzene	8.821	112	16668	2.510	ug/L	98
52) Ethylbenzene	8.953	91	22373	2.053	ug/L	97
53) m,p-Xylene	9.082	106	7617	1.896	ug/L	99
54) o-Xylene	9.487	106	6867	1.845	ug/L	88
55) Styrene	9.506	104	11899	1.737	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.185	83	13174	3.161	ug/L #	94
59) Bromoform	9.673	173	4692	2.761	ug/L #	80
60) Isopropylbenzene	9.876	105	17774	2.189	ug/L #	96
61) 1,2,3-Trichloropropane	10.217	75	9653	3.490	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	13790	2.078	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	14329	2.168	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	10884	2.581	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	13059	2.855	ug/L	95
67) 1,2-Dichlorobenzene	11.586	146	13121	3.033	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	2911	3.449	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.590	180	8715	2.758	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	7498	2.678	ug/L	92
71) Naphthalene	13.448	128	17964	2.217	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	7314	2.492	ug/L	97

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



#2
Dichlorodifluoromethane
Concen: 2.663 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

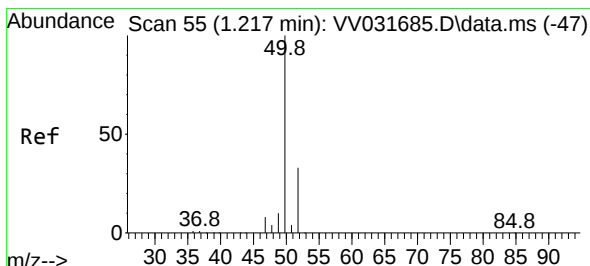
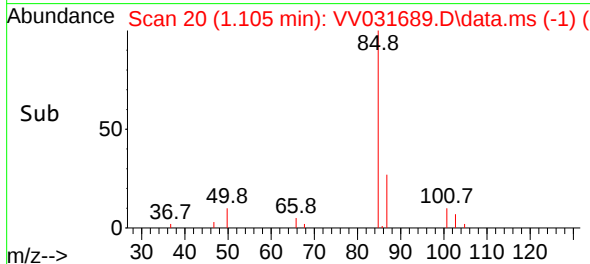
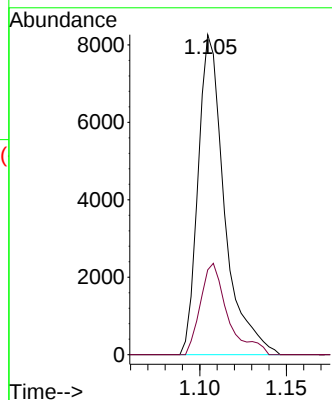
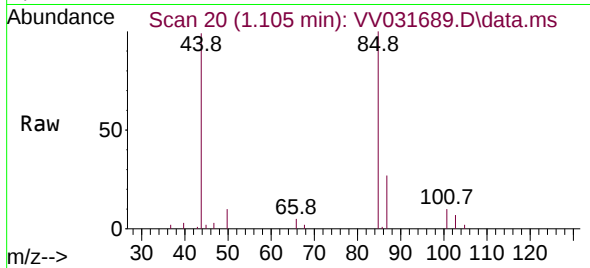
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 85 Resp: 876
Ion Ratio Lower Upper
85 100
87 29.5 25.8 38.6

Manual Integrations
APPROVED

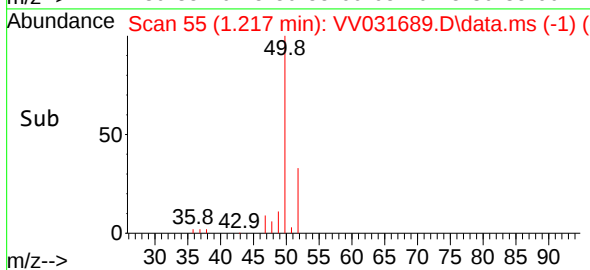
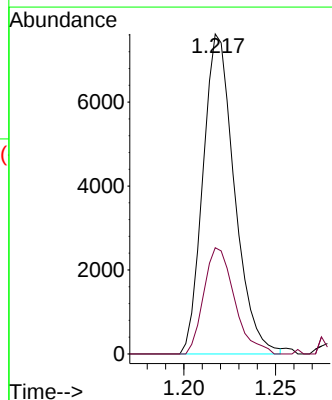
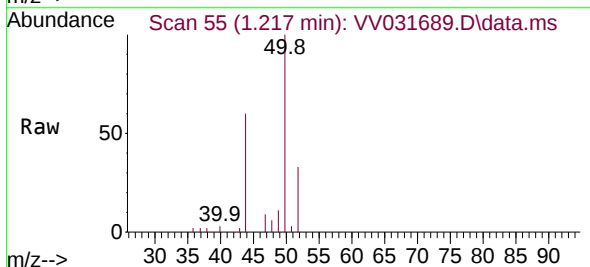
Reviewed By :John
Carlone
07/13/2023

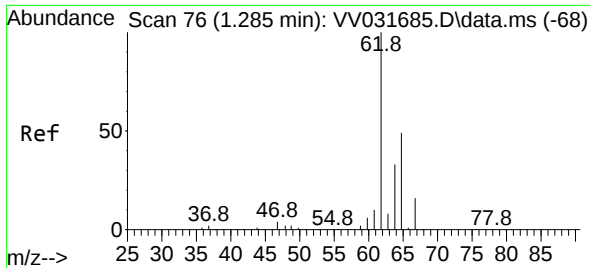
Supervised By :Mahesh
Dadoda
07/13/2023



#3
Chloromethane
Concen: 2.675 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

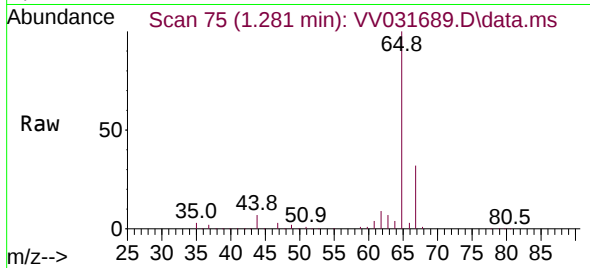
Tgt Ion: 50 Resp: 9105
Ion Ratio Lower Upper
50 100
52 33.2 23.7 44.1





#5
 Vinyl chloride
 Concen: 2.561 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV031689.D
 Acq: 12 Jul 2023 12:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

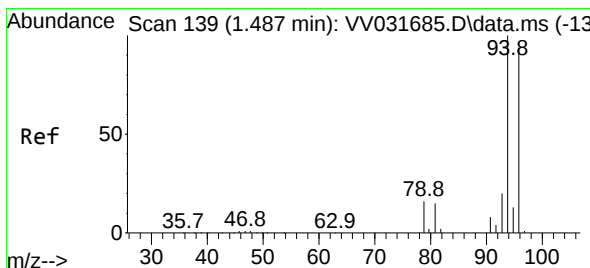
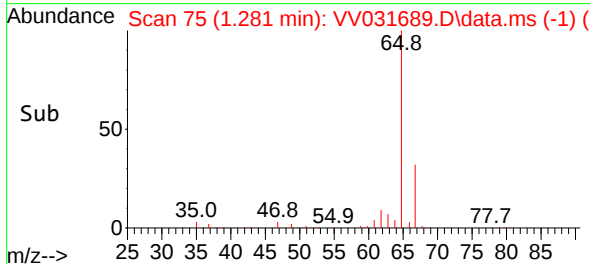
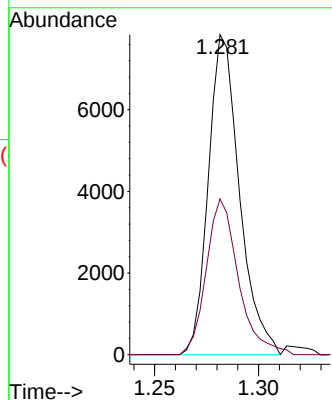


Tgt Ion: 62 Resp: 816
 Ion Ratio Lower Upper
 62 100
 64 48.7 22.9 42.5

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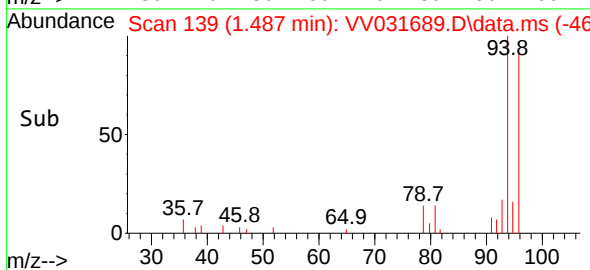
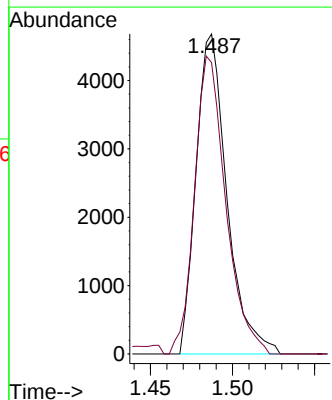
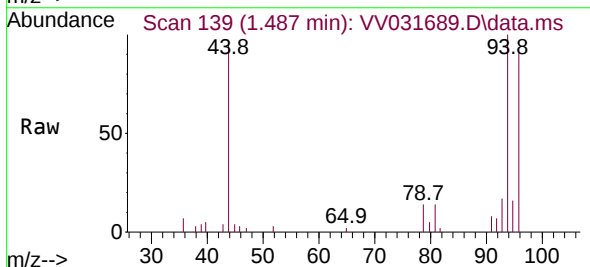
Reviewed By :John
 Carlone
 07/13/2023

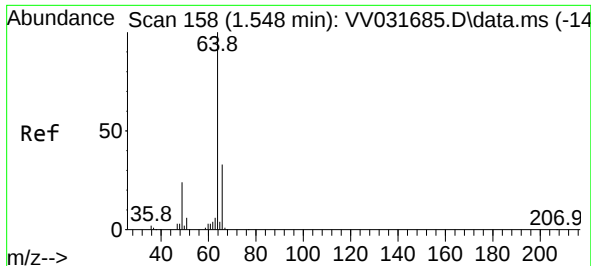
Supervised By :Mahesh
 Dadoda
 07/13/2023



#6
 Bromomethane
 Concen: 3.358 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031689.D
 Acq: 12 Jul 2023 12:36

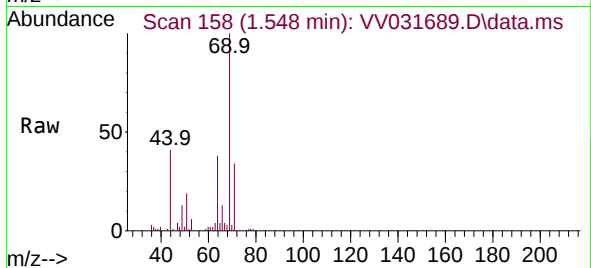
Tgt Ion: 94 Resp: 6117
 Ion Ratio Lower Upper
 94 100
 96 78.5 65.7 121.9





#8
Chloroethane
Concen: 3.157 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

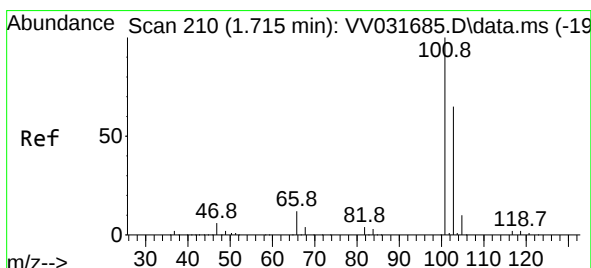
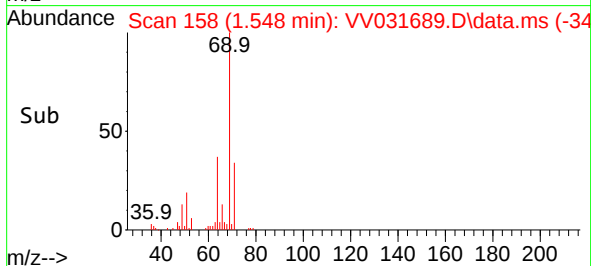
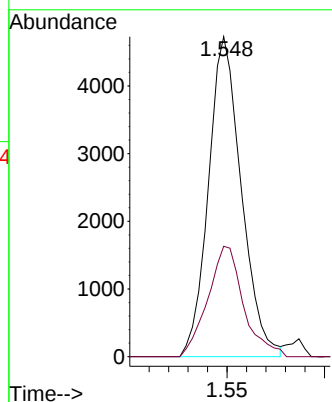


Tgt Ion: 64 Resp: 5549
Ion Ratio Lower Upper
64 100
66 34.5 22.4 41.6

Manual Integrations
APPROVED

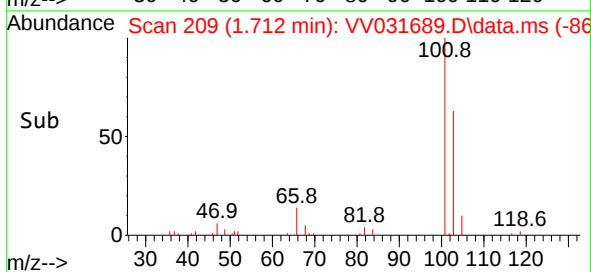
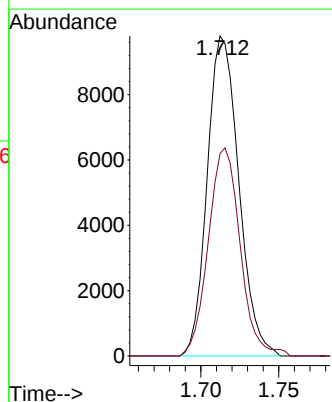
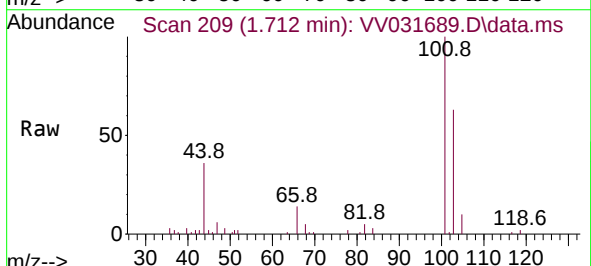
Reviewed By :John
Carlone
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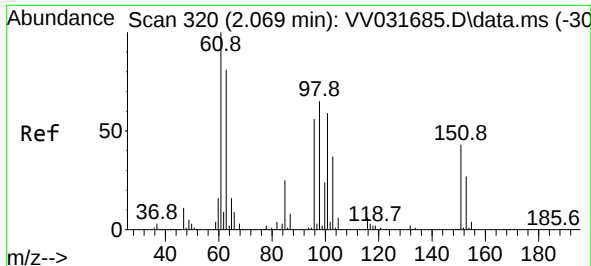
Supervised By :Mahesh
Dadoda
07/13/2023



#9
Trichlorofluoromethane
Concen: 3.020 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion:101 Resp: 13796
Ion Ratio Lower Upper
101 100
103 65.1 51.7 77.5





#10

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

Concen: 3.317 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion:	101	Resp:	872
Ion Ratio	Lower	Upper	
101	100		
85	35.7	33.9	50.9
151	62.9	61.0	91.6

Manual Integrations

APPROVED

Reviewed By :John

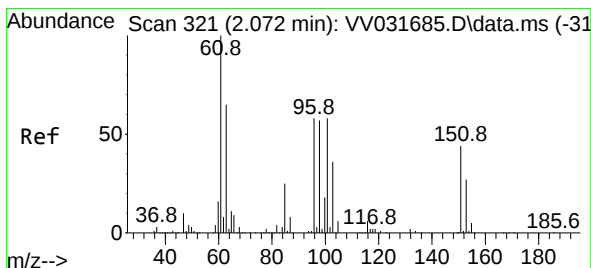
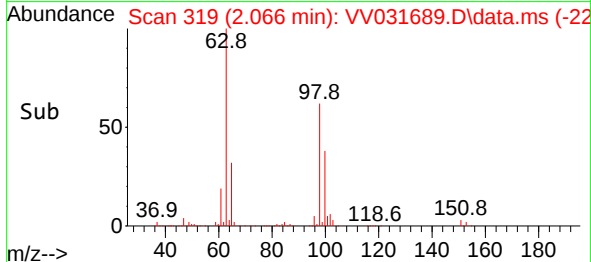
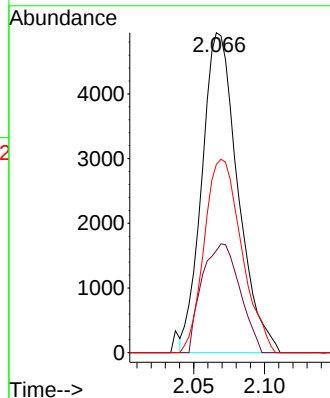
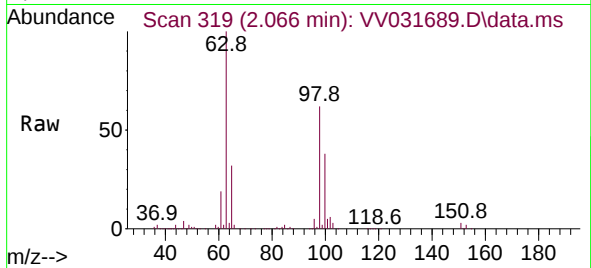
Carlone

07/13/2023

Supervised By :Mahesh

Dadoda

07/13/2023



#12

1,1-Dichloroethene

Concen: 3.668 ug/L

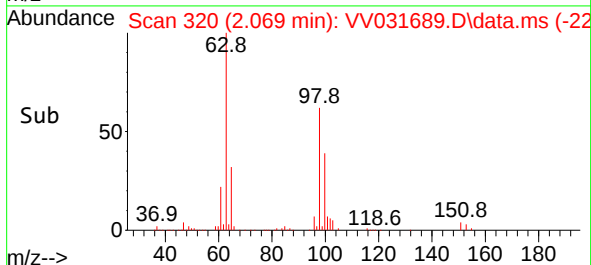
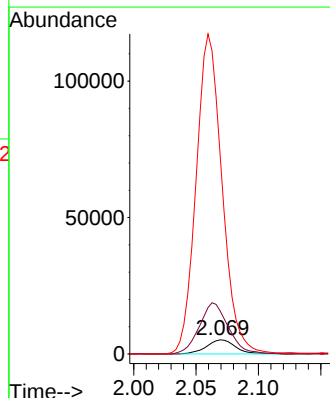
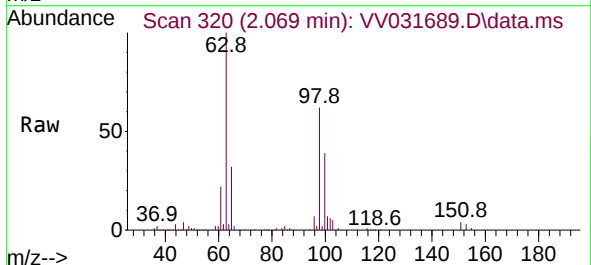
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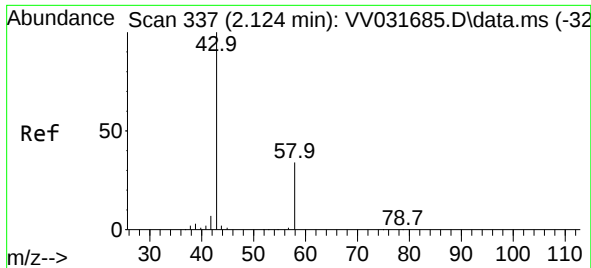
Delta R.T. -0.003 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Tgt Ion:	96	Resp:	8383
Ion Ratio	Lower	Upper	
96	100		
61	308.2	118.3	219.7#
63	1428.5	96.8	179.8#





#13

Acetone

Concen: 5.165 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

58 39.6 0.0 72.0

Manual Integrations

APPROVED

Reviewed By :John

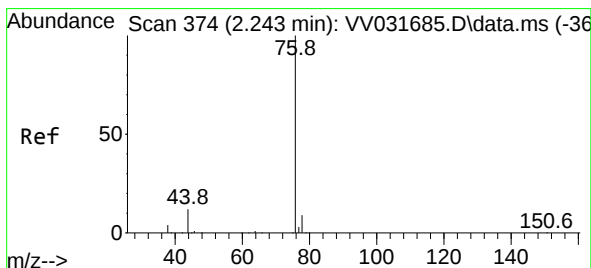
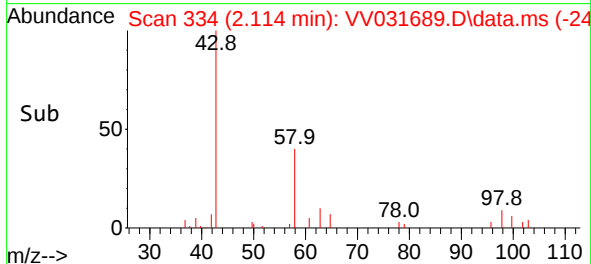
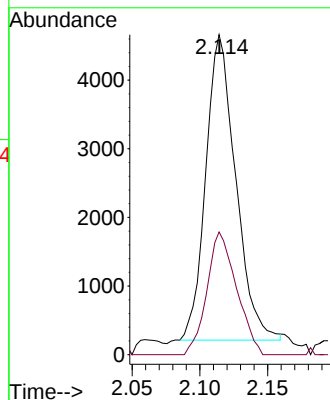
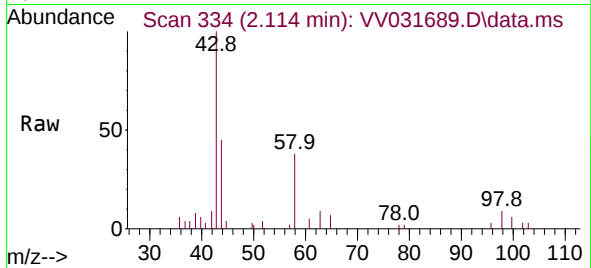
Carlone

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Supervised By :Mahesh

Dadoda

07/13/2023



#14

Carbon disulfide

Concen: 2.789 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031689.D

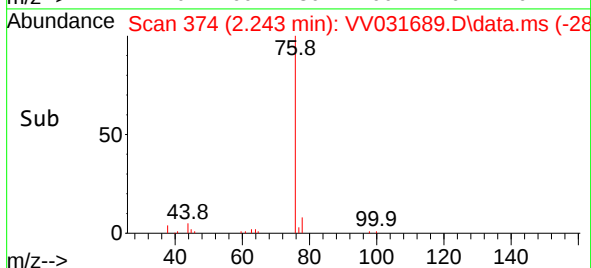
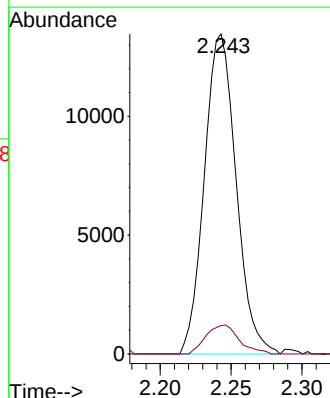
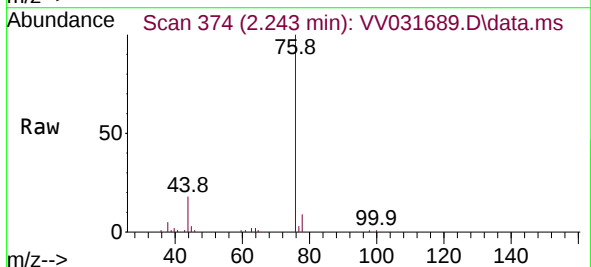
Acq: 12 Jul 2023 12:36

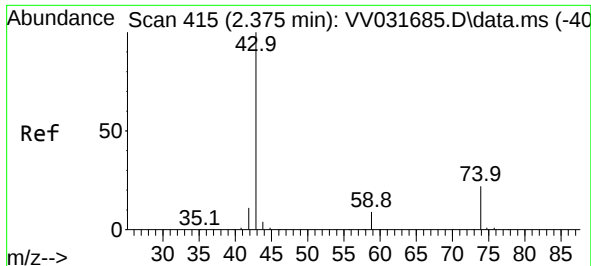
Tgt Ion: 76 Resp: 20989

Ion Ratio Lower Upper

76 100

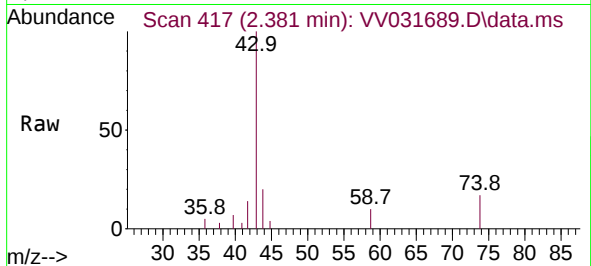
78 8.9 7.4 11.0





#15
Methyl Acetate
Concen: 3.075 ug/L
RT: 2.381 min Scan# 415
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

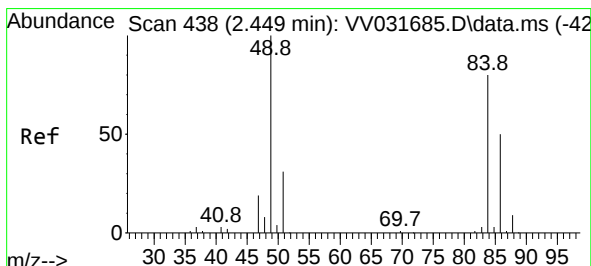
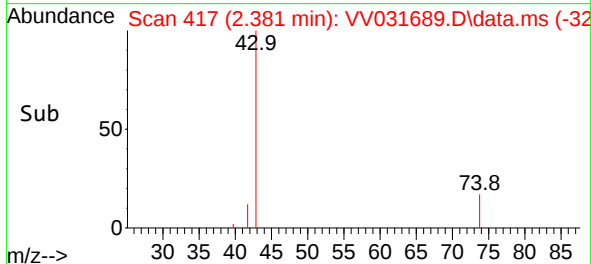
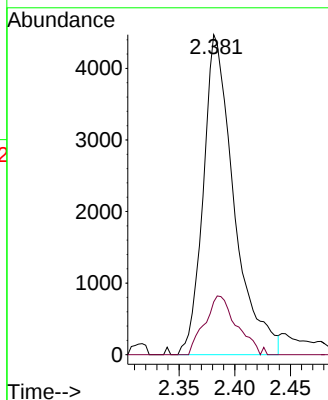


Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
74 18.9 19.5 29.3

Manual Integrations
APPROVED

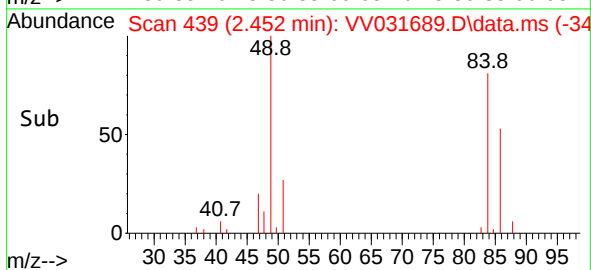
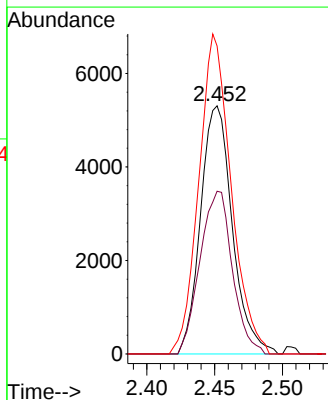
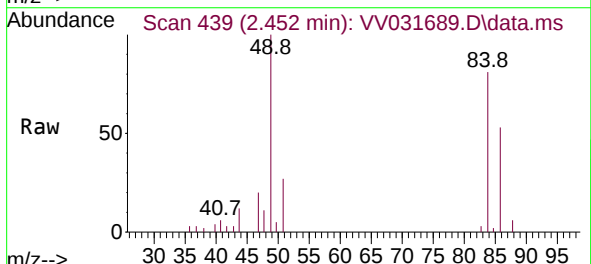
Reviewed By :John
Carlone
07/13/2023

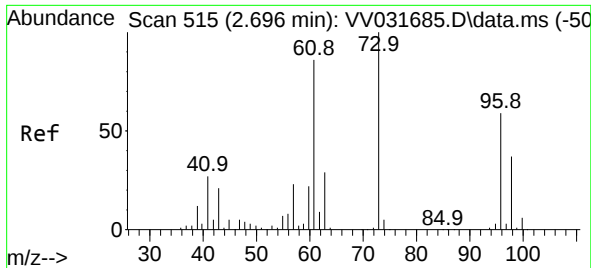
Supervised By :Mahesh
Dadoda
07/13/2023



#16
Methylene chloride
Concen: 3.208 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

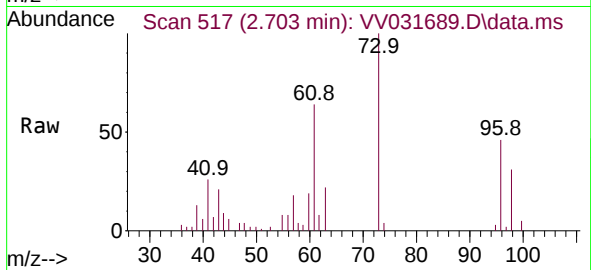
Tgt Ion: 84 Resp: 8666
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 126.1 85.3 158.5





#17
trans-1,2-Dichloroethene
Concen: 2.752 ug/L m
RT: 2.703 min Scan# 515
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

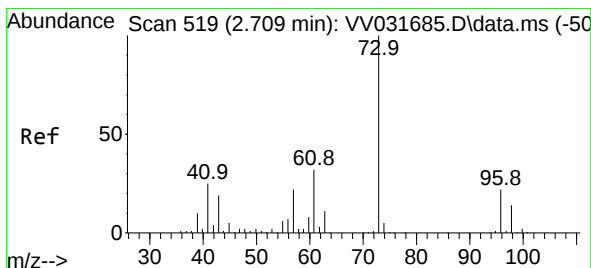
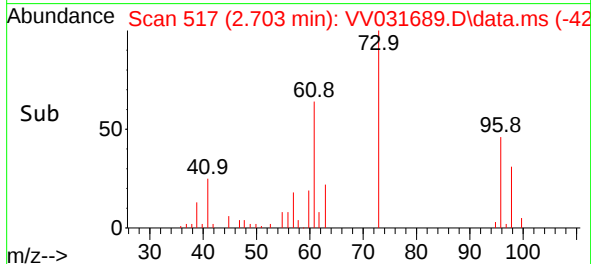
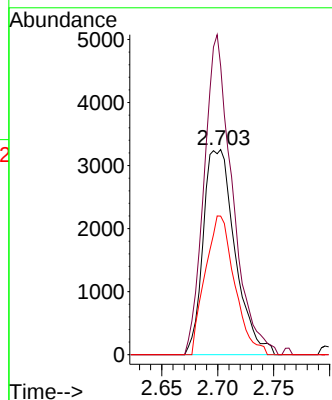


Tgt Ion: 96 Resp: 6425
Ion Ratio Lower Upper
96 100
61 140.6 101.6 188.6
98 67.6 44.7 82.9

Manual Integrations
APPROVED

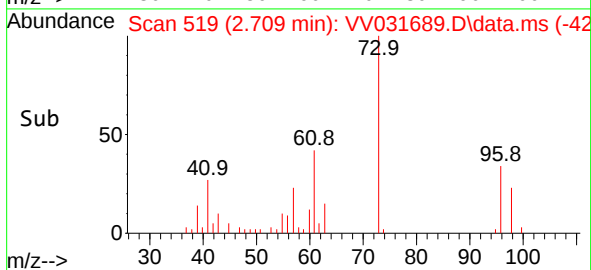
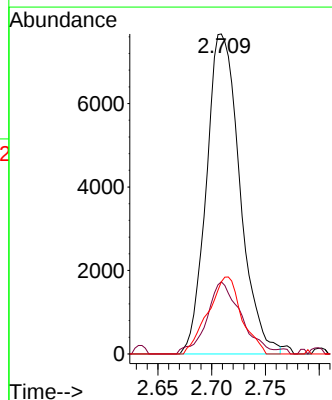
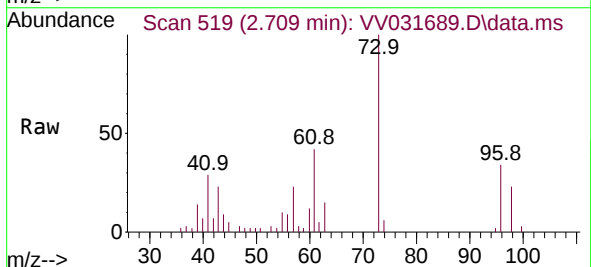
Reviewed By :John
Carlone
07/13/2023

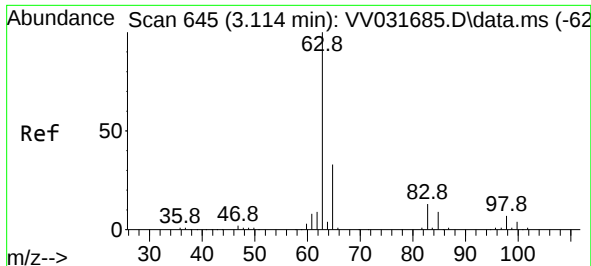
Supervised By :Mahesh
Dadoda
07/13/2023



#18
Methyl tert-butyl Ether
Concen: 2.335 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion: 73 Resp: 16586
Ion Ratio Lower Upper
73 100
43 23.1 15.0 22.4#
57 24.0 18.3 27.5





#19

1,1-Dichloroethane

Concen: 2.779 ug/L

RT: 3.117 min Scan# 645

Delta R.T. 0.003 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 63 Resp: 1326

Ion	Ratio	Lower	Upper
63	100		
65	33.9	22.3	41.5
83	10.4	10.6	19.6

Manual Integrations

APPROVED

Reviewed By :John

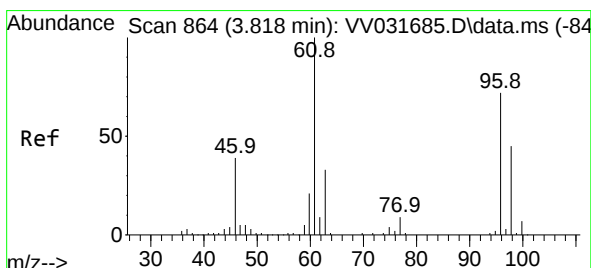
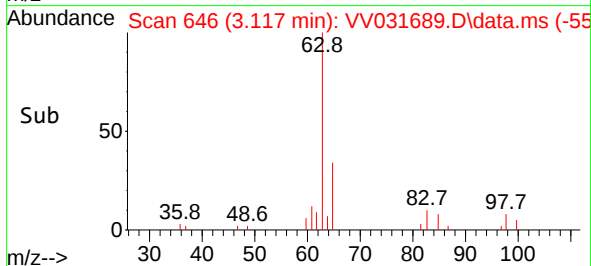
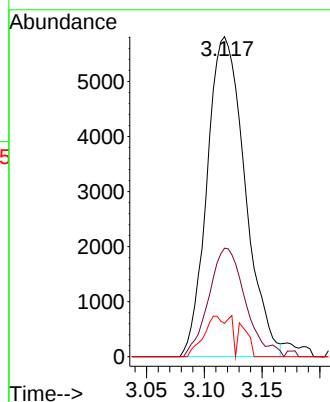
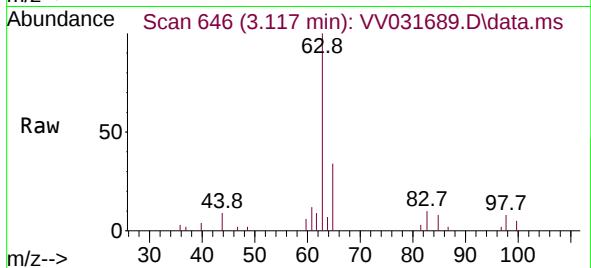
Carlone

07/13/2023

Supervised By :Mahesh

Dadoda

07/13/2023



#20

cis-1,2-Dichloroethene

Concen: 2.693 ug/L

RT: 3.825 min Scan# 866

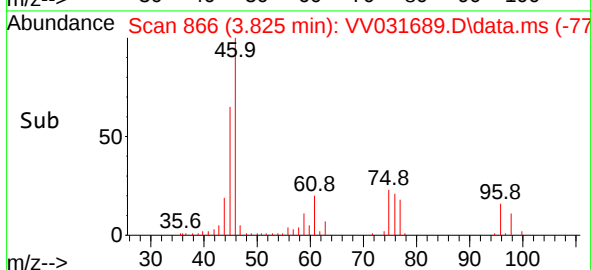
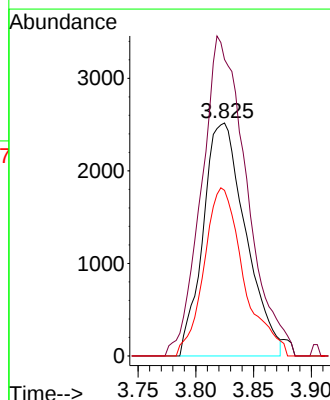
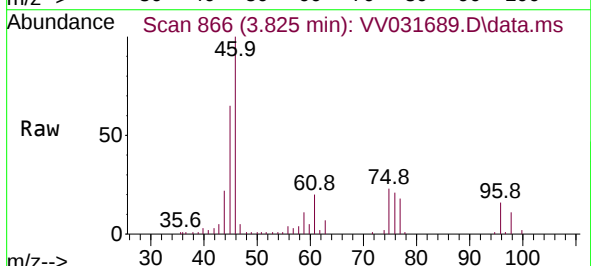
Delta R.T. 0.006 min

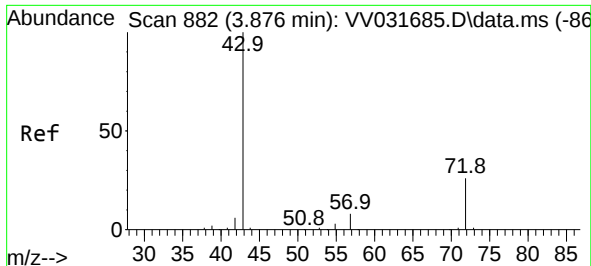
Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Tgt Ion: 96 Resp: 6448

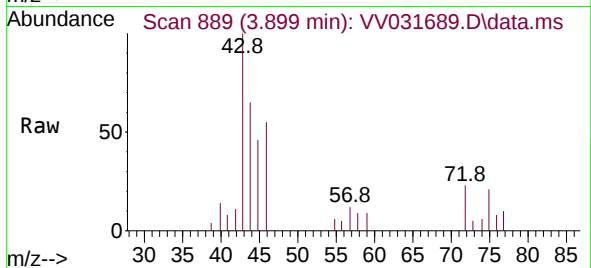
Ion	Ratio	Lower	Upper
96	100		
61	118.3	90.6	168.2
98	66.1	43.8	81.3





#22
2-Butanone
Concen: 6.493 ug/L m
RT: 3.899 min Scan# 889
Delta R.T. 0.023 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

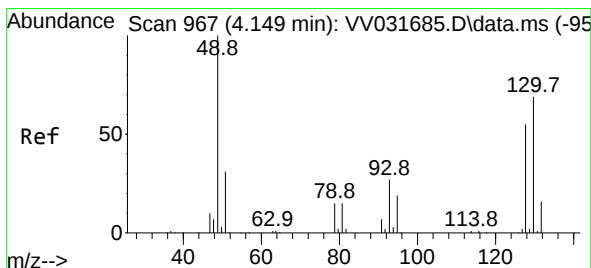
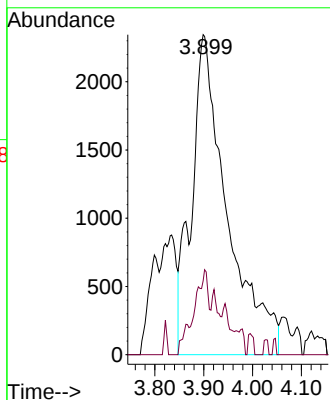
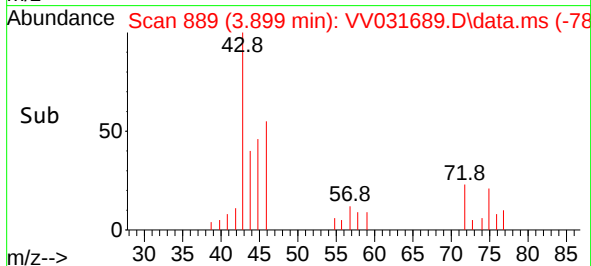


Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
72 0.7 12.7 38.0

Manual Integrations
APPROVED

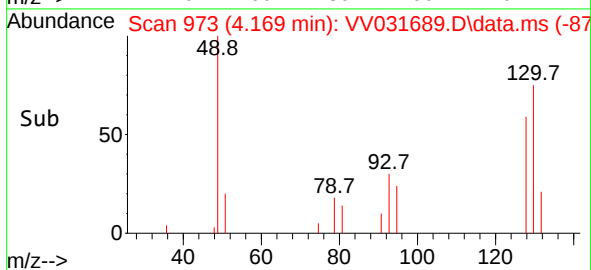
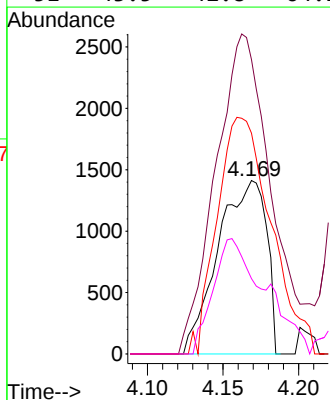
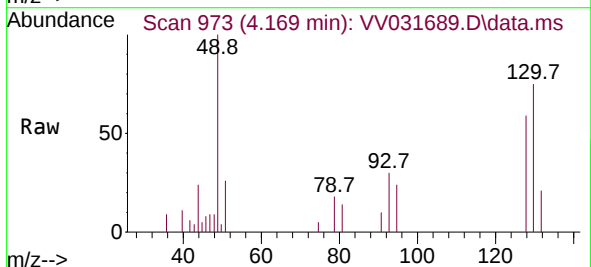
Reviewed By :John
Carlone
07/13/2023

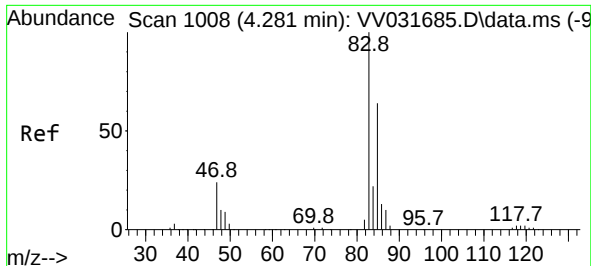
Supervised By :Mahesh
Dadoda
07/13/2023



#23
Bromochloromethane
Concen: 2.412 ug/L m
RT: 4.169 min Scan# 973
Delta R.T. 0.019 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

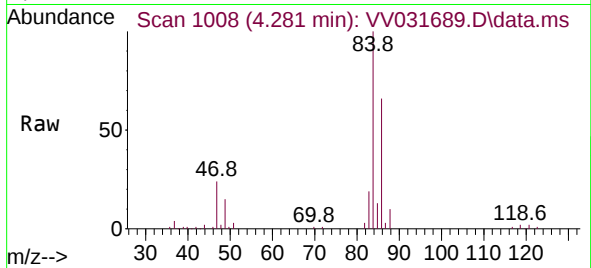
Tgt Ion:128 Resp: 3140
Ion Ratio Lower Upper
128 100
49 169.6 117.9 218.9
130 127.2 89.1 165.5
51 43.5 42.8 64.2





#25
Chloroform
Concen: 3.638 ug/L m
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

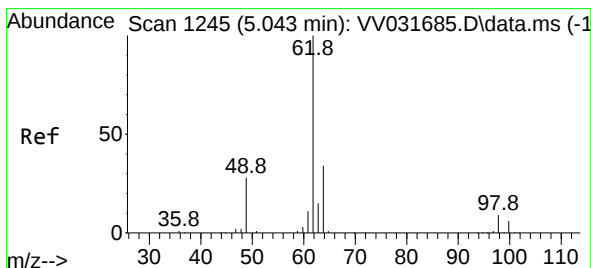
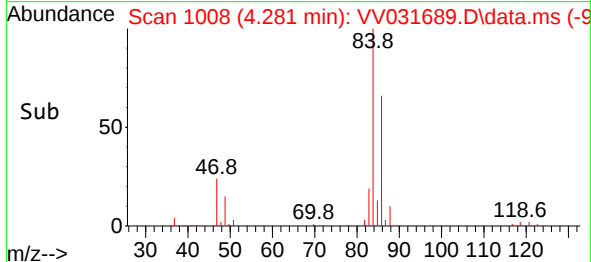
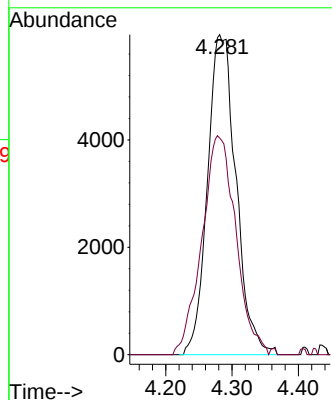


Tgt Ion: 83 Resp: 1780
Ion Ratio Lower Upper
83 100
85 67.6 45.1 83.9

Manual Integrations
APPROVED

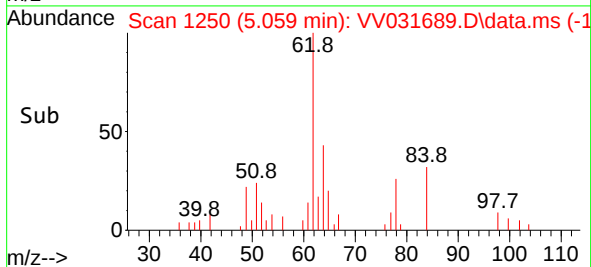
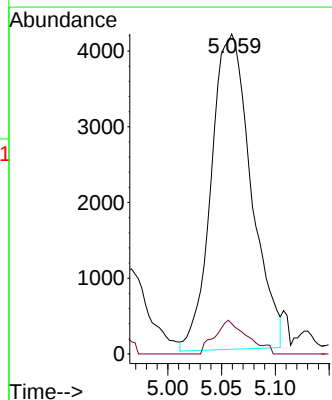
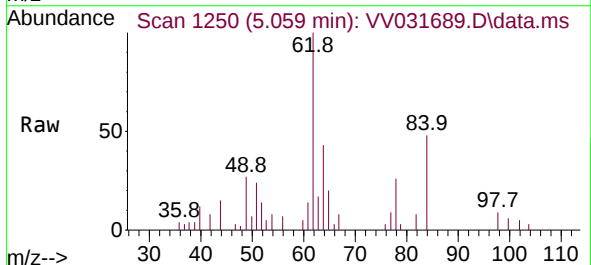
Reviewed By :John
Carlone
07/13/2023

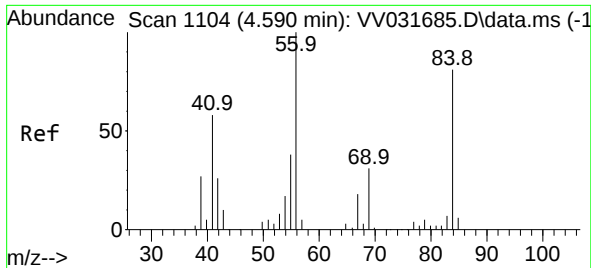
Supervised By :Mahesh
Dadoda
07/13/2023



#27
1,2-Dichloroethane
Concen: 2.955 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.016 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

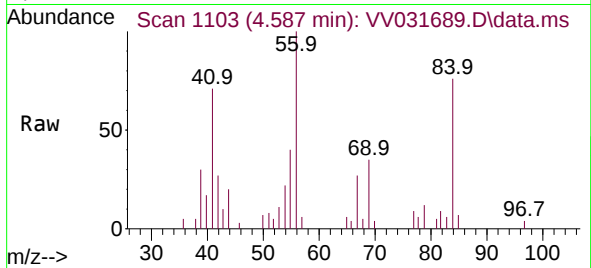
Tgt Ion: 62 Resp: 10747
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3





#29
Cyclohexane
Concen: 2.136 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

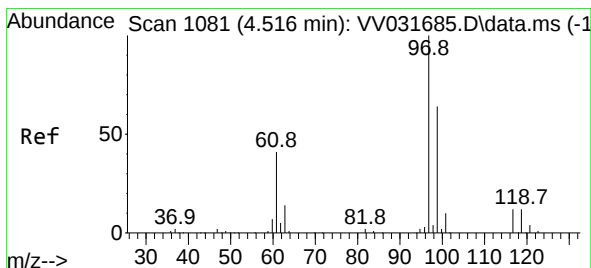
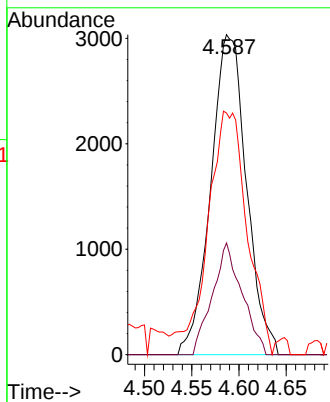
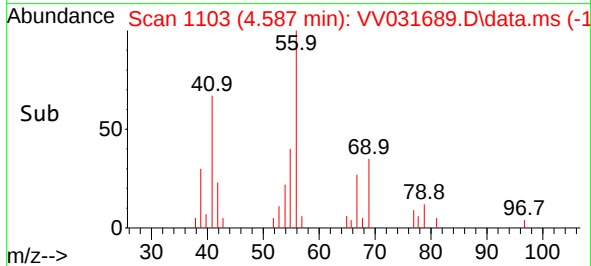


Tgt Ion: 56 Resp: 796
Ion Ratio Lower Upper
56 100
69 29.0 24.1 36.1
84 40.0 63.6 95.4

Manual Integrations
APPROVED

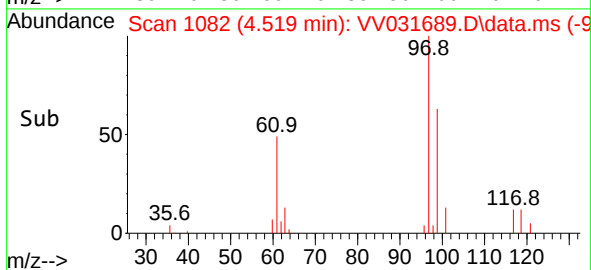
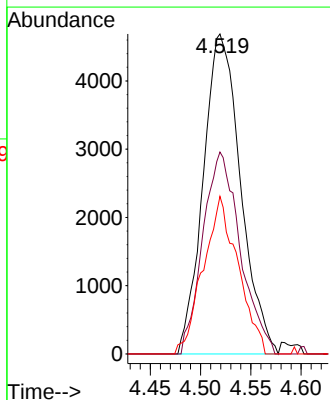
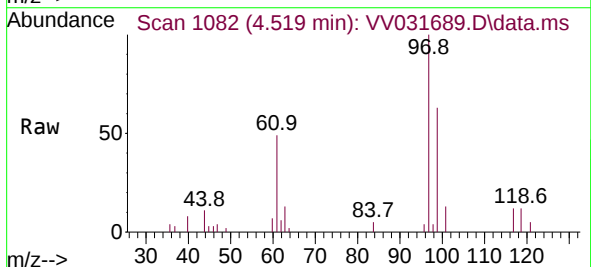
Reviewed By :John
Carlone
07/13/2023

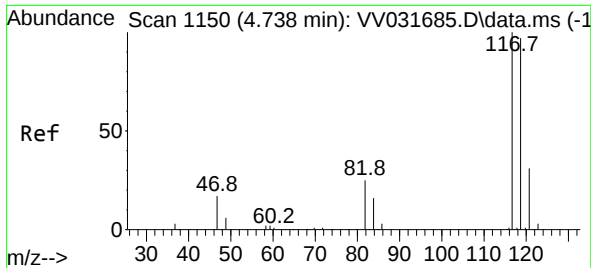
Supervised By :Mahesh
Dadoda
07/13/2023



#30
1,1,1-Trichloroethane
Concen: 2.728 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

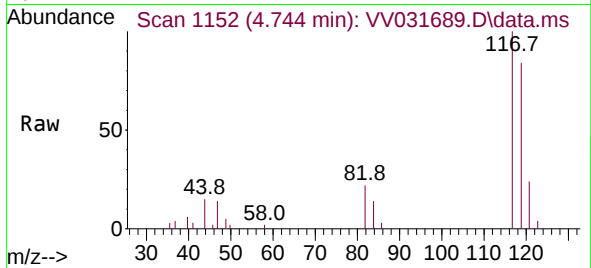
Tgt Ion: 97 Resp: 12124
Ion Ratio Lower Upper
97 100
99 63.1 51.5 77.3
61 45.7 32.2 48.2





#31
Carbon tetrachloride
Concen: 2.749 ug/L
RT: 4.744 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

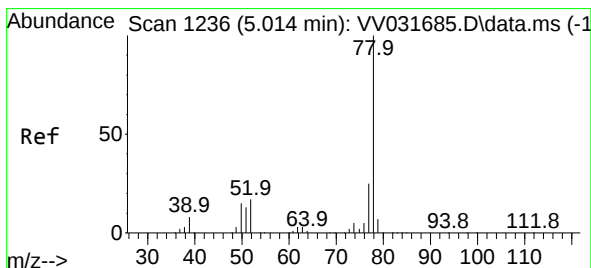
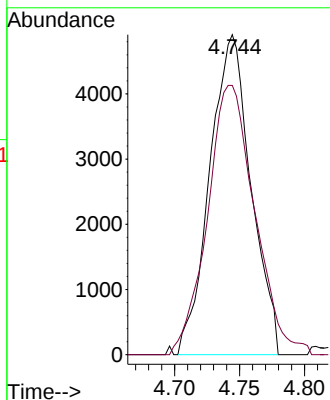
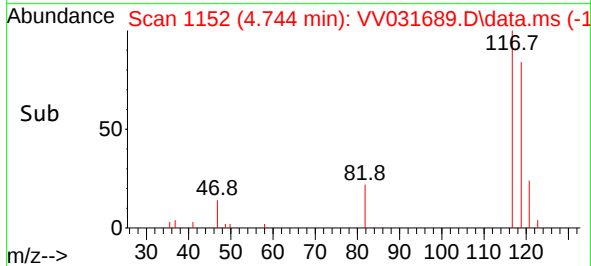


Tgt Ion:117 Resp: 10820
Ion Ratio Lower Upper
117 100
119 96.6 78.0 117.0

Manual Integrations
APPROVED

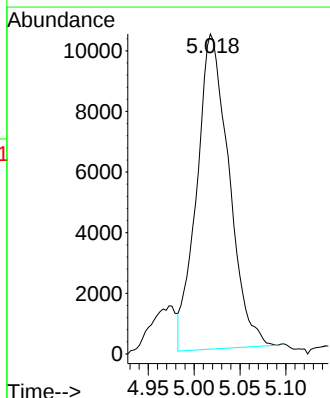
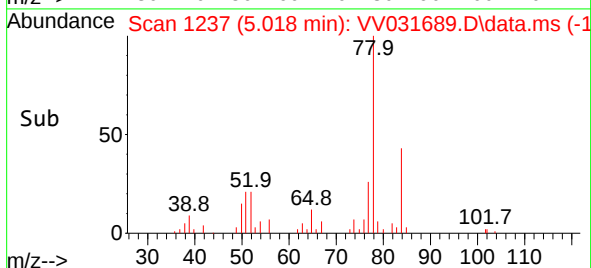
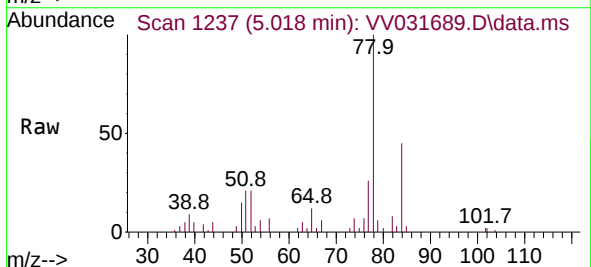
Reviewed By :John
Carlone
07/13/2023

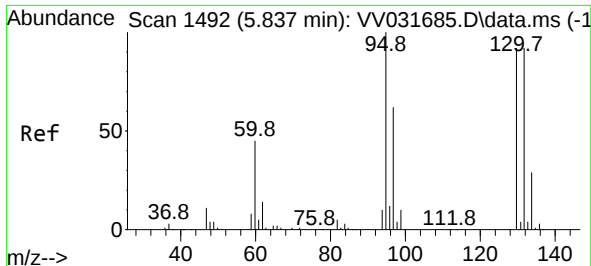
Supervised By :Mahesh
Dadoda
07/13/2023



#33
Benzene
Concen: 2.616 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

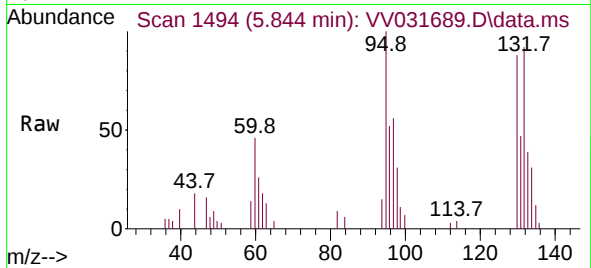
Tgt Ion: 78 Resp: 25370





#34
Trichloroethene
Concen: 2.605 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

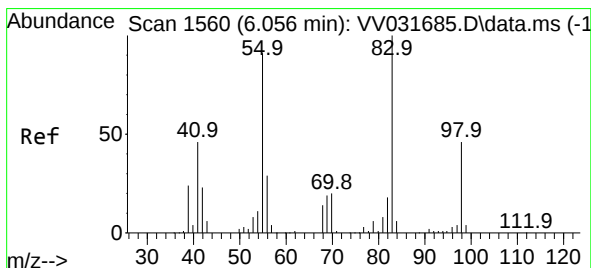
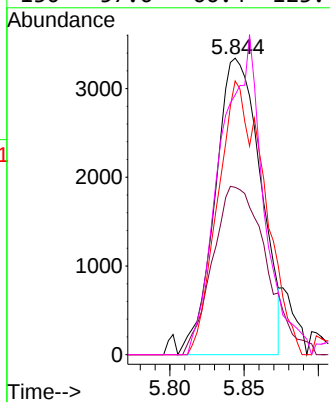
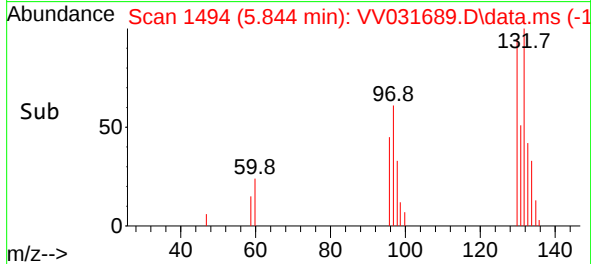


Tgt Ion: 95 Resp: 7108
Ion Ratio Lower Upper
95 100
97 37.2 47.0 87.2
132 86.4 64.8 120.4
130 57.6 66.4 123.4

Manual Integrations
APPROVED

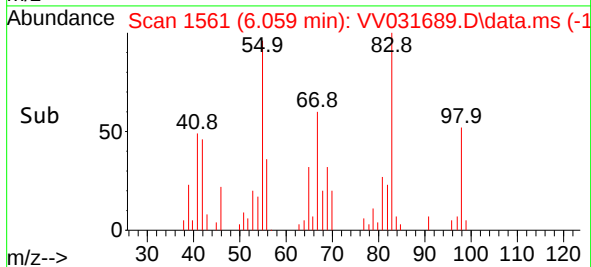
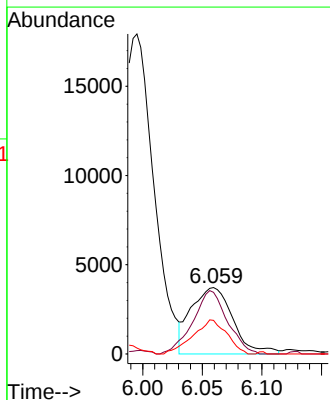
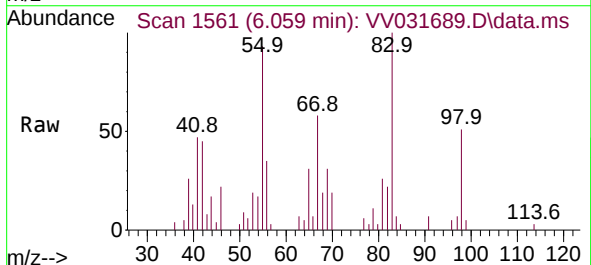
Reviewed By :John
Carlone
07/13/2023

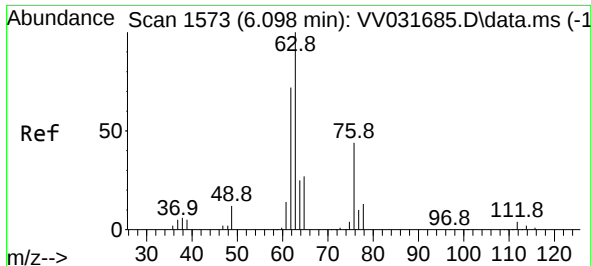
Supervised By :Mahesh
Dadoda
07/13/2023



#35
Methylcyclohexane
Concen: 2.442 ug/L m
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion: 83 Resp: 9069
Ion Ratio Lower Upper
83 100
55 78.6 69.4 104.2
98 41.4 38.2 57.2





#37
1,2-Dichloropropane
Concen: 2.736 ug/L
RT: 6.104 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

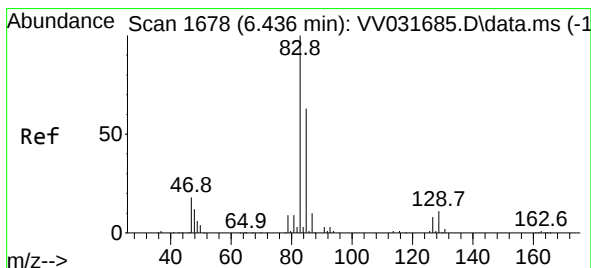
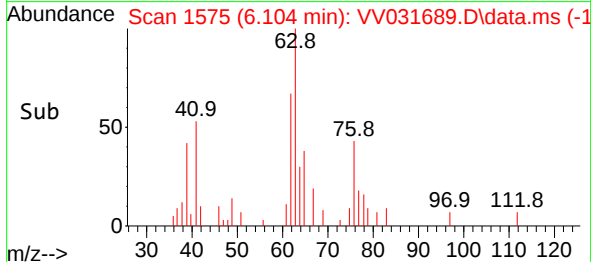
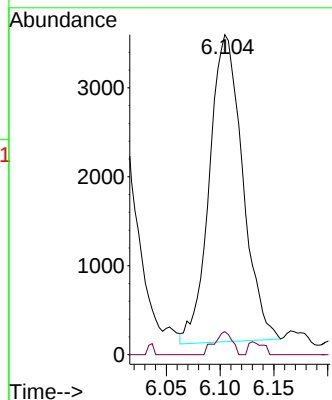
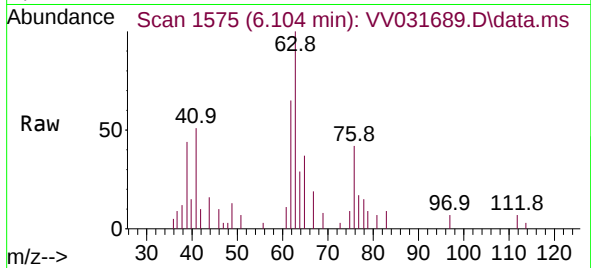
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 63 Resp: 7419
Ion Ratio Lower Upper
63 100
112 3.0 3.7 5.5

Manual Integrations
APPROVED

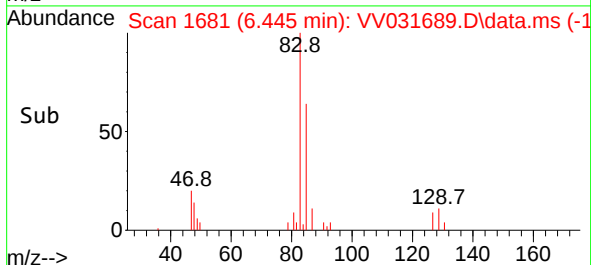
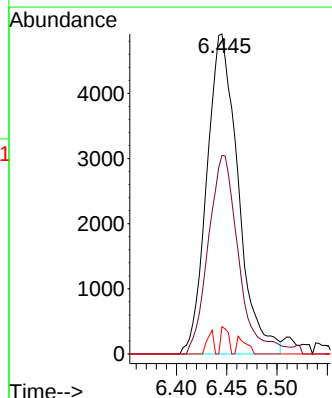
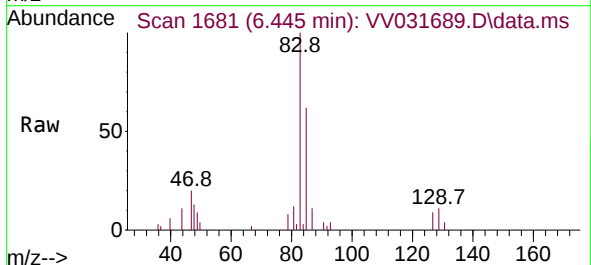
Reviewed By :John
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07/13/2023

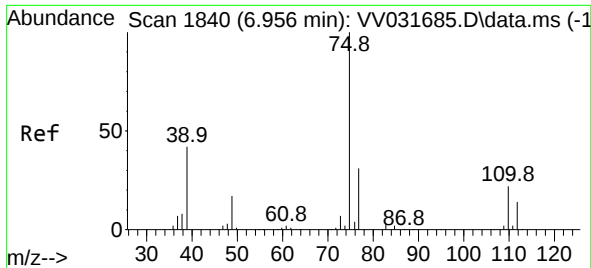
Supervised By :Mahesh
Dadoda
07/13/2023



#38
Bromodichloromethane
Concen: 2.897 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.010 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

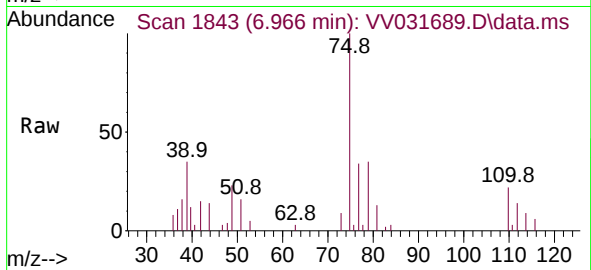
Tgt Ion: 83 Resp: 10648
Ion Ratio Lower Upper
83 100
85 62.1 44.2 82.0
127 8.5 7.8 11.6





#39
cis-1,3-Dichloropropene
Concen: 2.490 ug/L m
RT: 6.966 min Scan# 1840
Delta R.T. 0.010 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

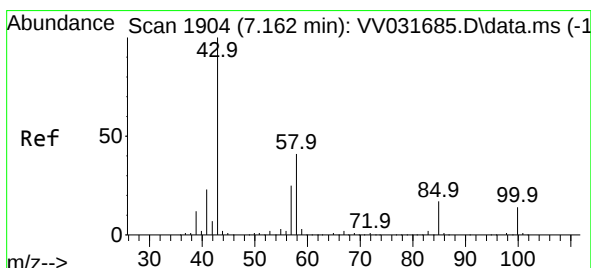
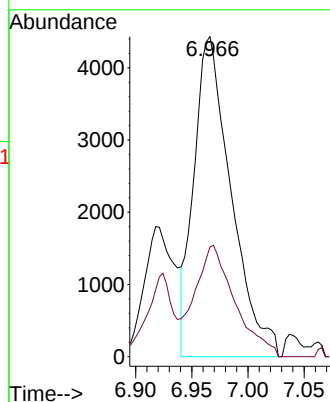
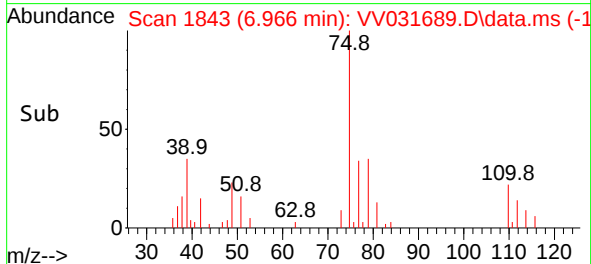


Tgt Ion: 75 Resp: 10214
Ion Ratio Lower Upper
75 100
77 34.3 22.1 41.1

Manual Integrations
APPROVED

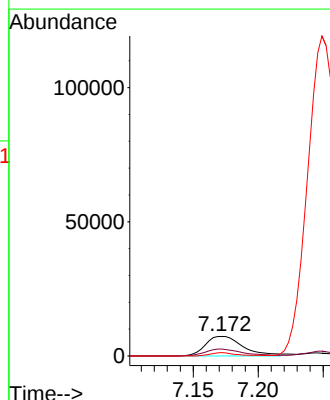
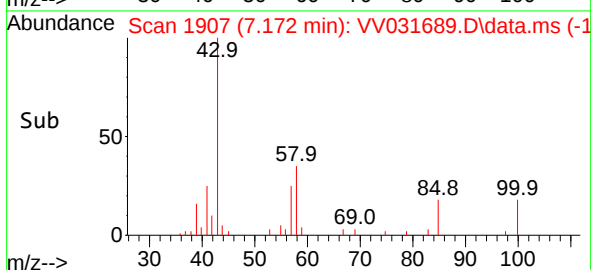
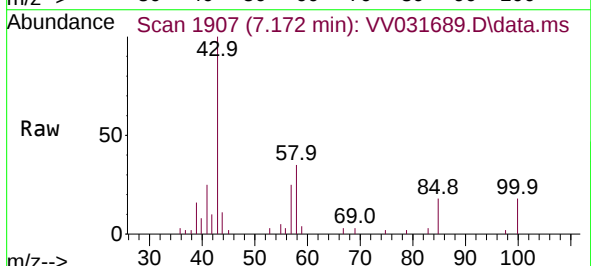
Reviewed By :John
Carlone
07/13/2023

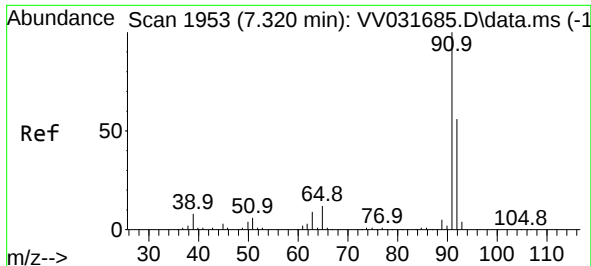
Supervised By :Mahesh
Dadoda
07/13/2023



#40
4-Methyl-2-pentanone
Concen: 4.341 ug/L
RT: 7.172 min Scan# 1907
Delta R.T. 0.010 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion: 43 Resp: 14638
Ion Ratio Lower Upper
43 100
58 35.5 32.1 48.1
100 12.3 12.1 18.1





#42

Toluene

Concen: 2.476 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 91 Resp: 24790
 Ion Ratio Lower Upper
 91 100
 92 57.5 39.8 73.8

Manual Integrations
 APPROVED

Reviewed By :John

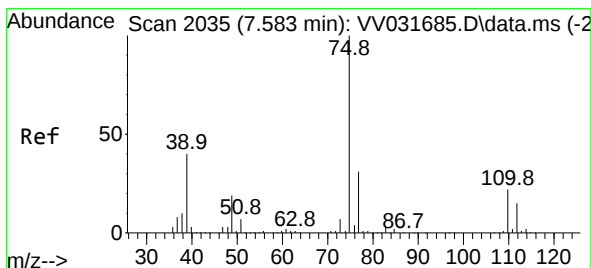
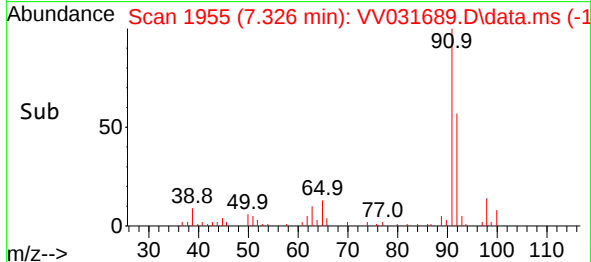
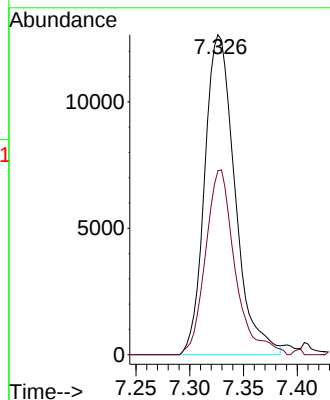
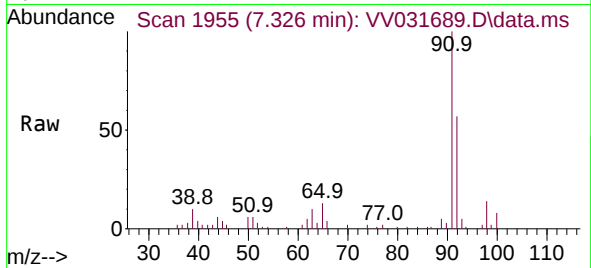
Carlone

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Supervised By :Mahesh

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#44

trans-1,3-Dichloropropene

Concen: 2.389 ug/L

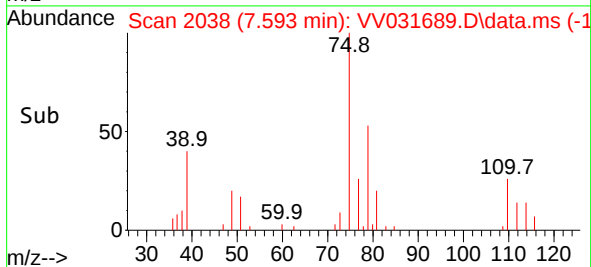
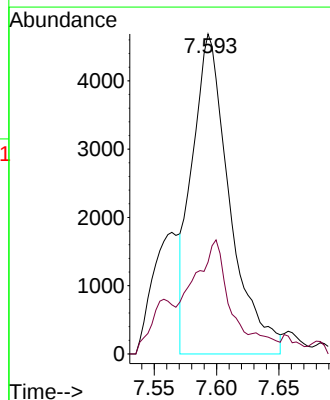
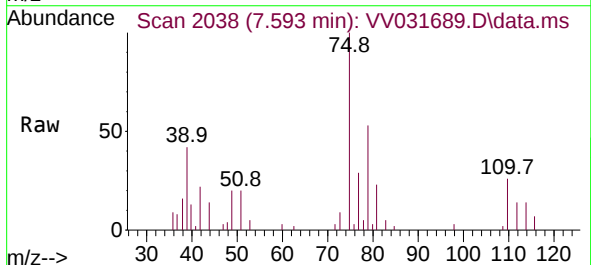
RT: 7.593 min Scan# 2038

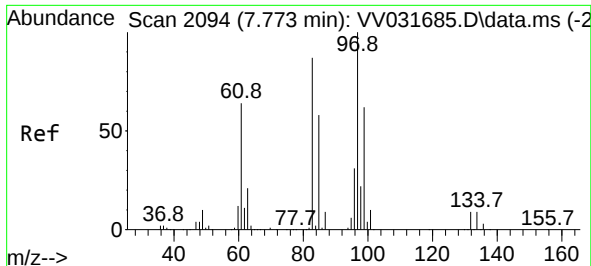
Delta R.T. 0.010 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Tgt Ion: 75 Resp: 9775
 Ion Ratio Lower Upper
 75 100
 77 28.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 2.897 ug/L

RT: 7.780 min Scan# 2094

Delta R.T. 0.006 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 97 Resp: 7778

Ion Ratio Lower Upper

97 100

99 64.5 45.2 84.0

83 93.0 59.5 110.5

85 53.7 38.6 71.8

Manual Integrations

APPROVED

Reviewed By :John

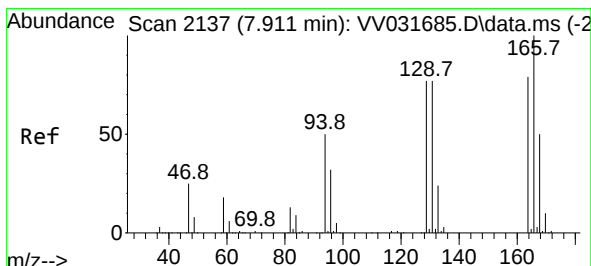
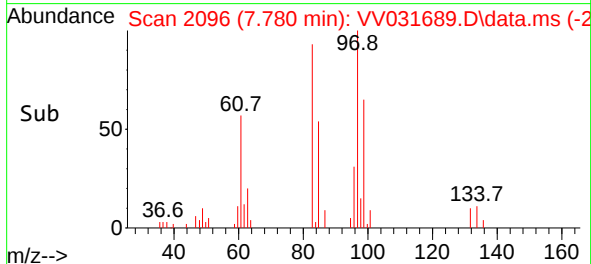
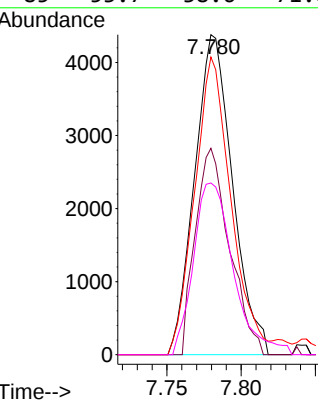
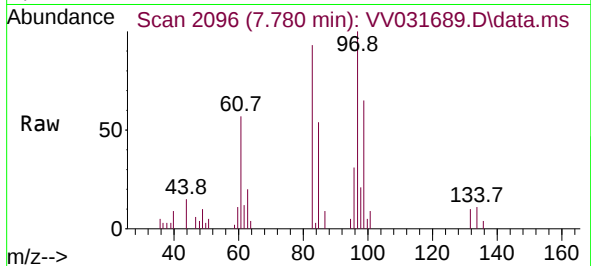
Carlone

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Supervised By :Mahesh

Dadoda

07/13/2023



#46

Tetrachloroethene

Concen: 2.248 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Tgt Ion:164 Resp: 4665

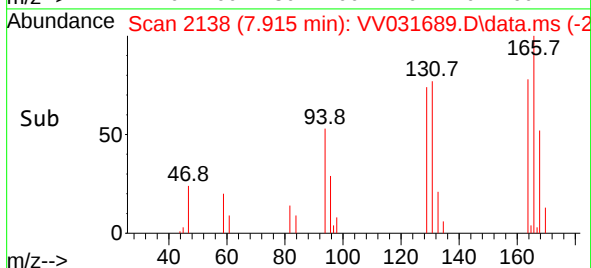
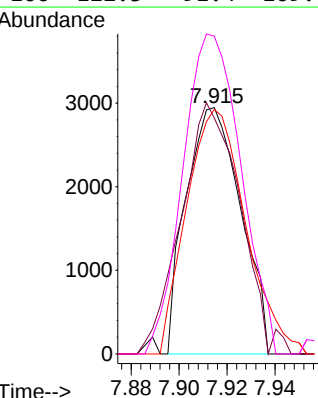
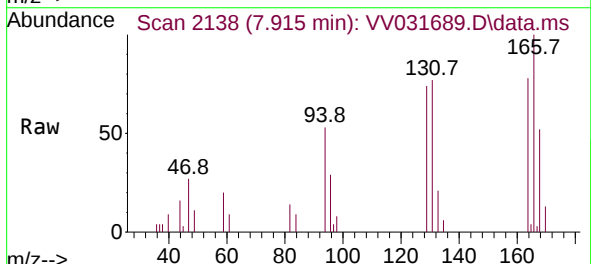
Ion Ratio Lower Upper

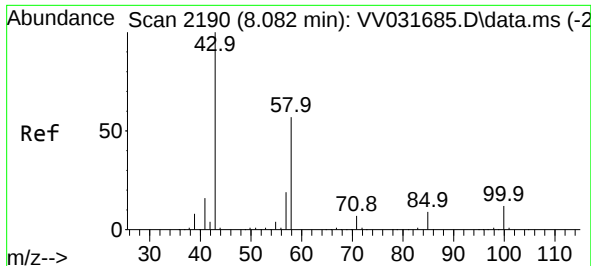
164 100

129 90.8 65.2 121.0

131 94.0 67.1 124.7

166 122.3 91.4 169.8





#48
2-Hexanone
Concen: 6.212 ug/L
RT: 8.091 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

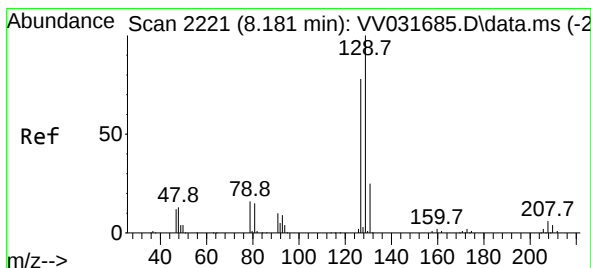
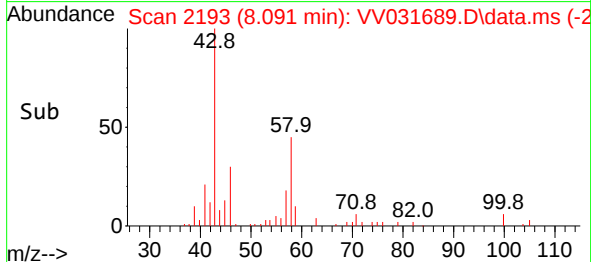
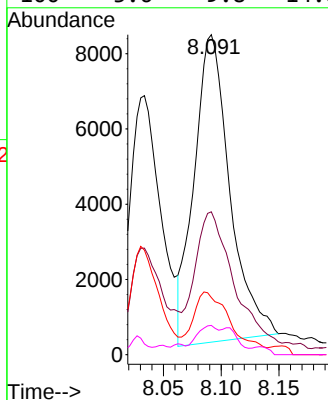
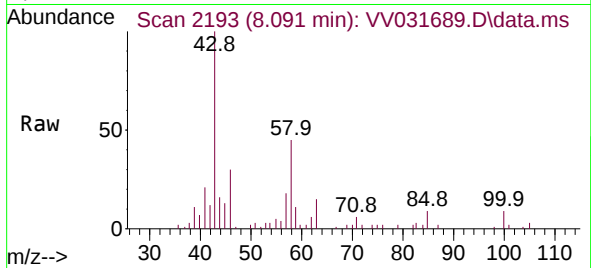
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 47.2 46.3 69.5
57 21.6 16.8 25.2
100 3.6 9.8 14.8

Manual Integrations
APPROVED

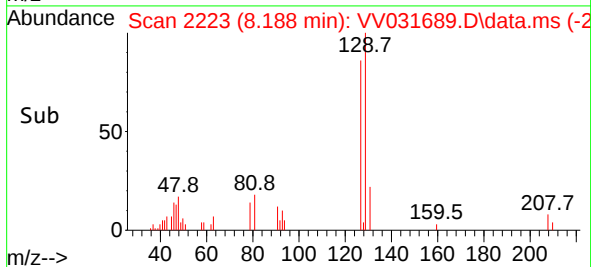
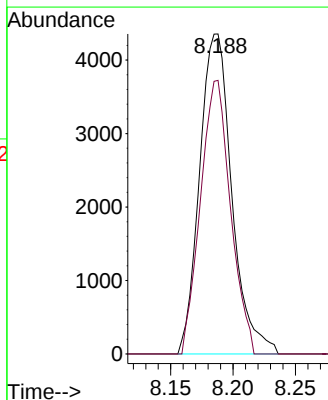
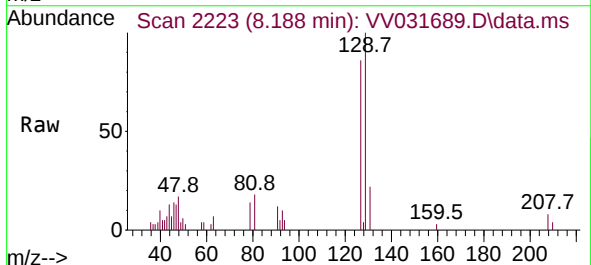
Reviewed By :John
Carlone
07/13/2023

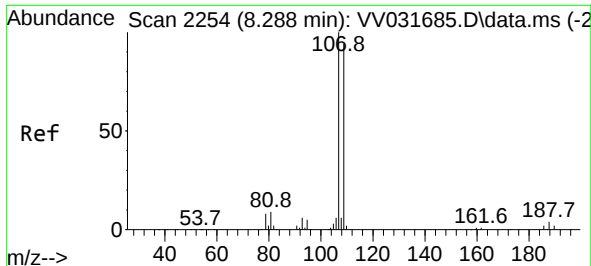
Supervised By :Mahesh
Dadoda
07/13/2023



#49
Dibromochloromethane
Concen: 2.630 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion:129 Resp: 7842
Ion Ratio Lower Upper
129 100
127 85.5 55.2 102.6





#50

1,2-Dibromoethane

Concen: 2.646 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV031689.D

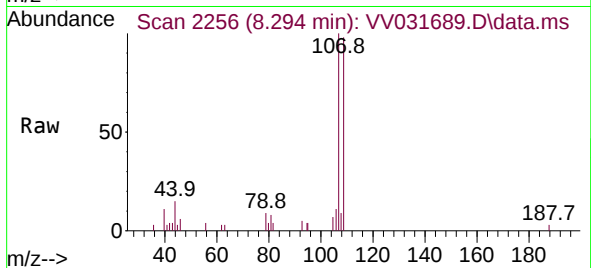
Acq: 12 Jul 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2023-06



Tgt Ion:	107	Resp:	782
Ion Ratio	Lower	Upper	
107	100		
109	90.2	65.4	121.4
188	2.7	2.8	4.2

Manual Integrations

APPROVED

Reviewed By :John

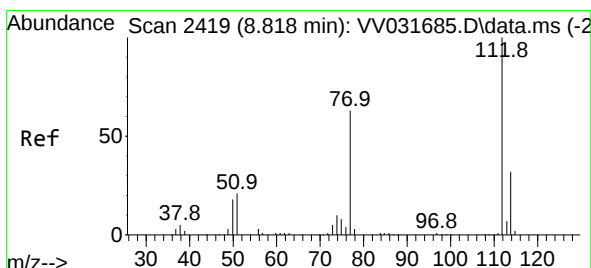
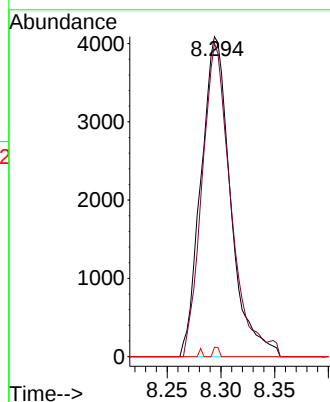
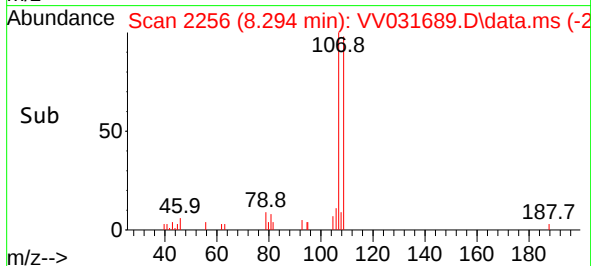
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#51

Chlorobenzene

Concen: 2.510 ug/L

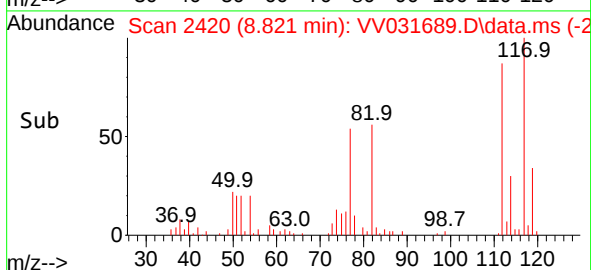
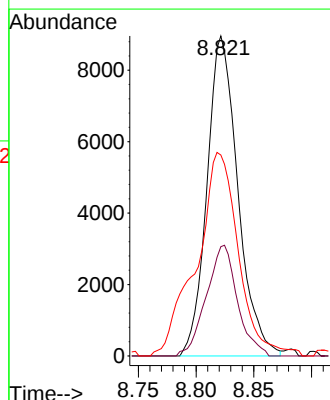
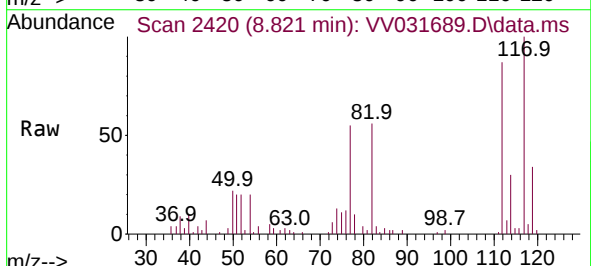
RT: 8.821 min Scan# 2420

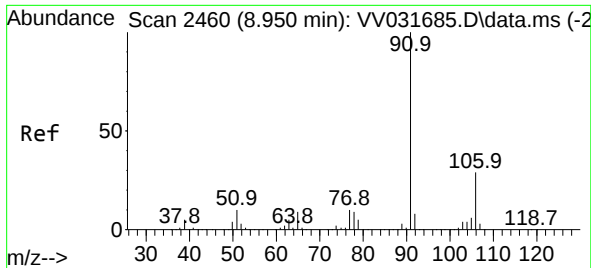
Delta R.T. 0.003 min

Lab File: VV031689.D

Acq: 12 Jul 2023 12:36

Tgt Ion:	112	Resp:	16668
Ion Ratio	Lower	Upper	
112	100		
114	34.2	22.2	41.2
77	62.8	50.6	76.0





#52
Ethylbenzene
Concen: 2.053 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

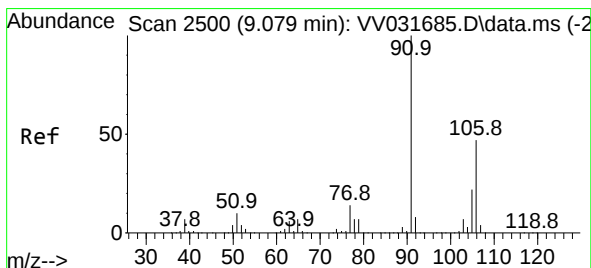
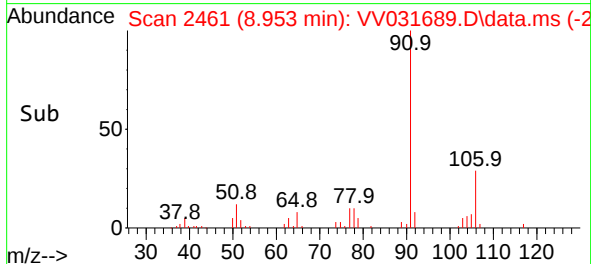
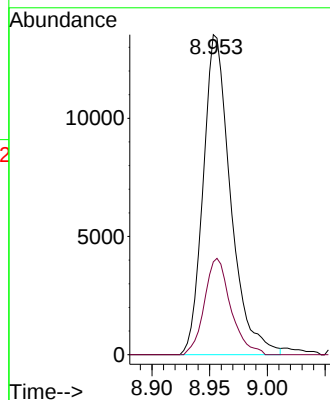
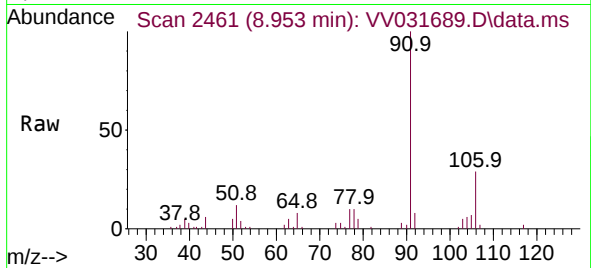
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

Tgt Ion: 91 Resp: 2237
Ion Ratio Lower Upper
91 100
106 29.0 21.5 39.9

Manual Integrations
APPROVED

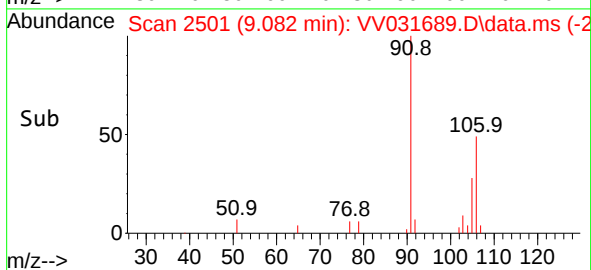
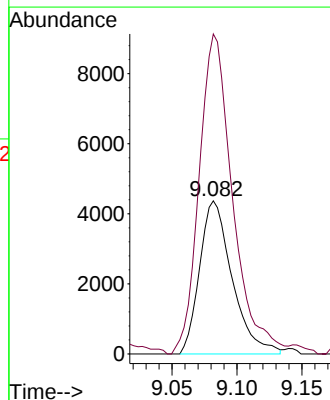
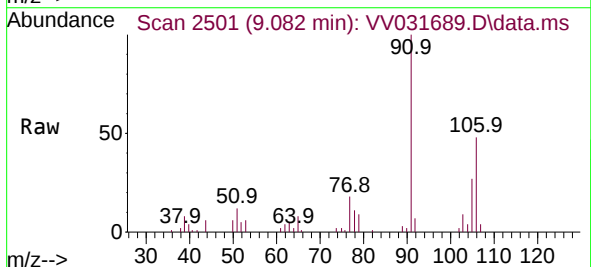
Reviewed By :John
Carlone
07/13/2023

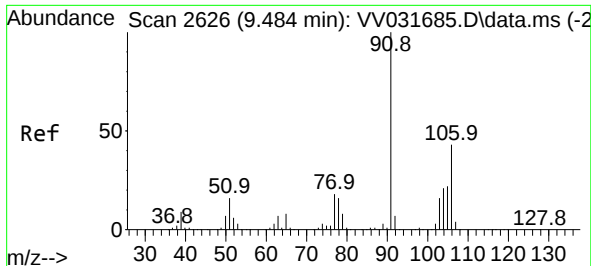
Supervised By :Mahesh
Dadoda
07/13/2023



#53
m,p-Xylene
Concen: 1.896 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion:106 Resp: 7617
Ion Ratio Lower Upper
106 100
91 208.9 145.6 270.4





#54
o-Xylene
Concen: 1.845 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

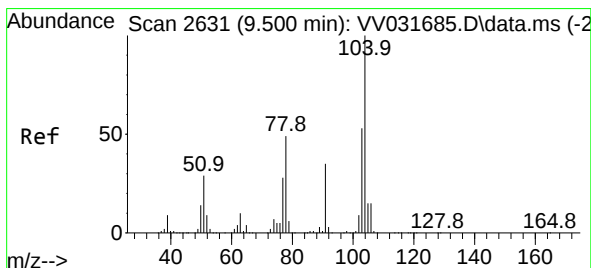
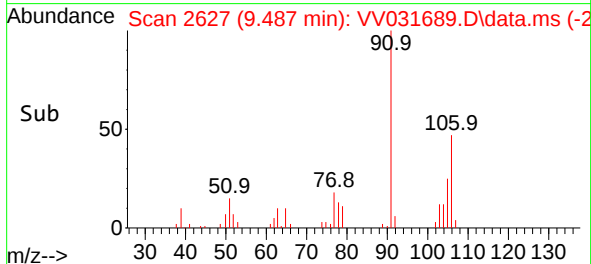
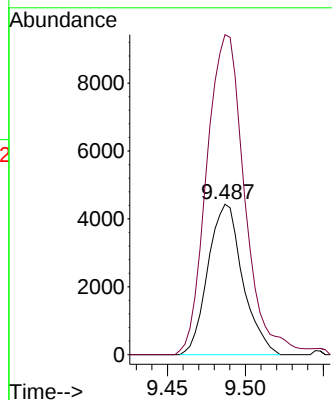
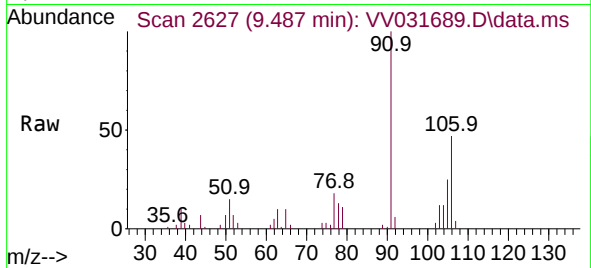
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Tgt Ion:106 Resp: 686
Ion Ratio Lower Upper
106 100
91 212.7 163.0 302.6

Manual Integrations
APPROVED

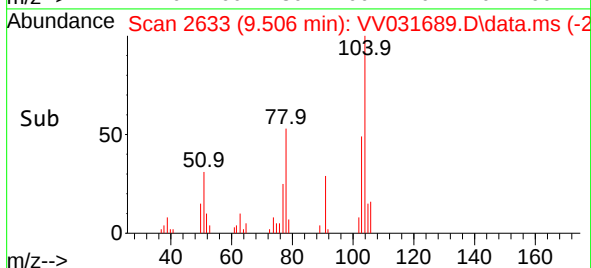
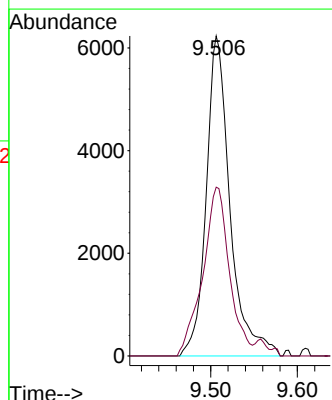
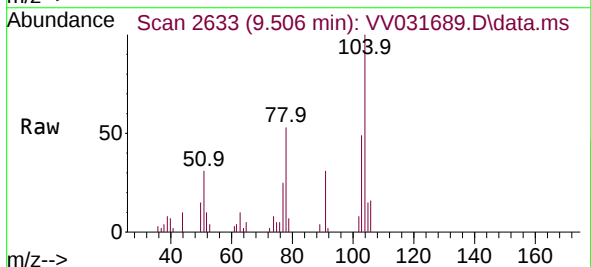
Reviewed By :John
Carlone
07/13/2023

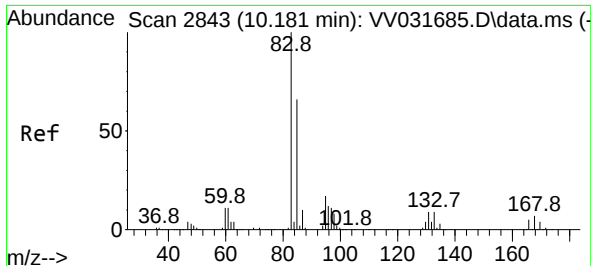
Supervised By :Mahesh
Dadoda
07/13/2023



#55
Styrene
Concen: 1.737 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

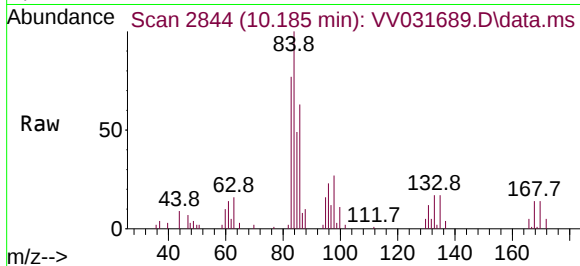
Tgt Ion:104 Resp: 11899
Ion Ratio Lower Upper
104 100
78 52.8 34.4 64.0





#57
1,1,2,2-Tetrachloroethane
Concen: 3.161 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

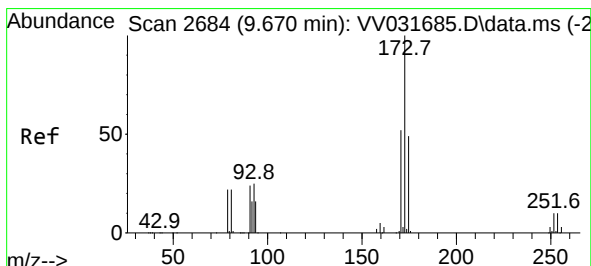
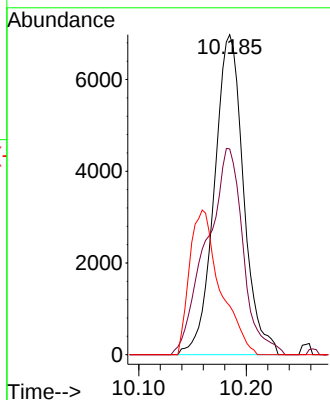
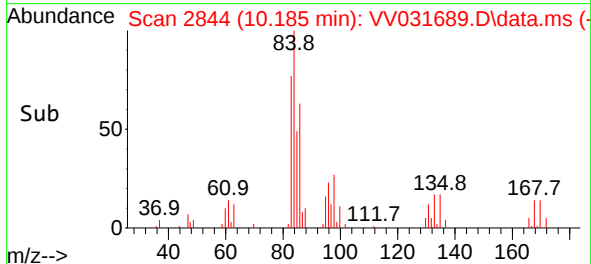


Tgt Ion: 83 Resp: 13174
Ion Ratio Lower Upper
83 100
85 64.3 43.4 80.6
131 21.4 10.9 16.3

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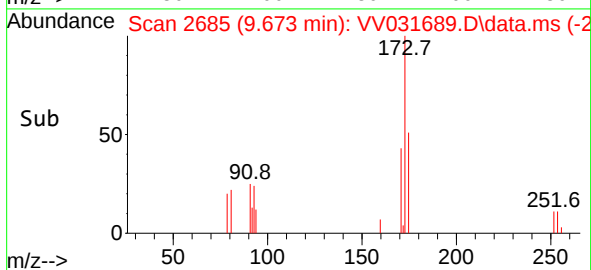
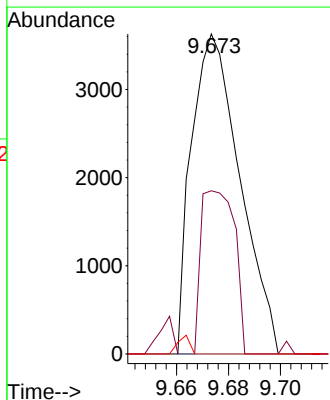
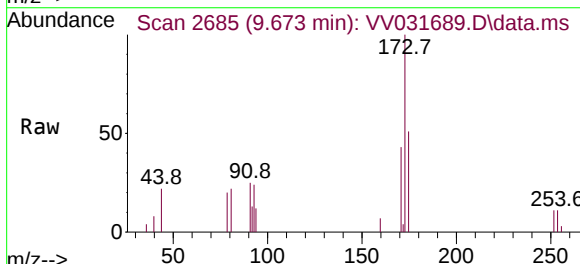
Reviewed By :John
Carlone
07/13/2023

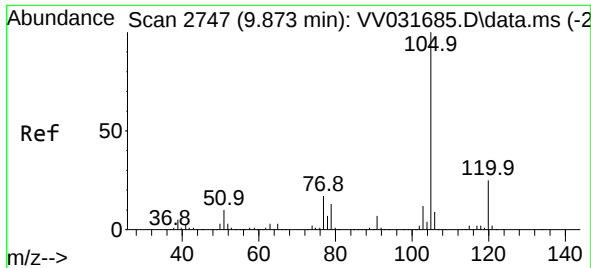
Supervised By :Mahesh
Dadoda
07/13/2023



#59
Bromoform
Concen: 2.761 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

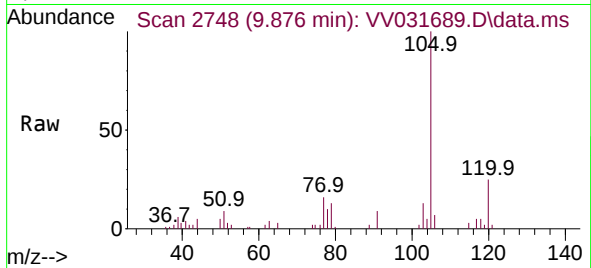
Tgt Ion:173 Resp: 4692
Ion Ratio Lower Upper
173 100
175 35.5 38.6 58.0#
254 0.0 6.9 10.3#





#60
Isopropylbenzene
Concen: 2.189 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

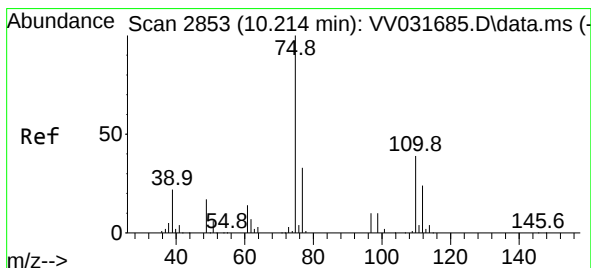
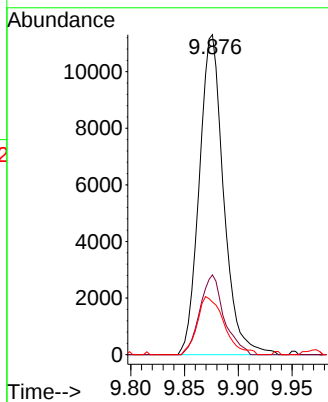
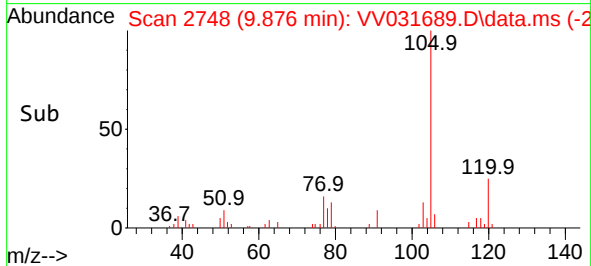


Tgt Ion: 105 Resp: 17774
Ion Ratio Lower Upper
105 100
120 24.7 20.6 30.8
77 20.0 13.2 19.8

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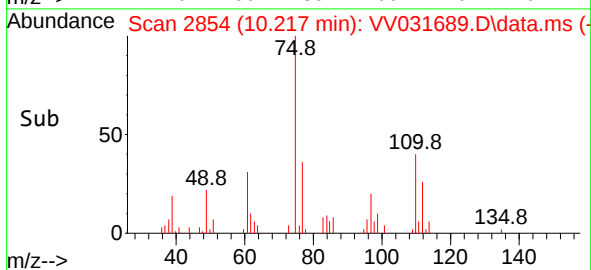
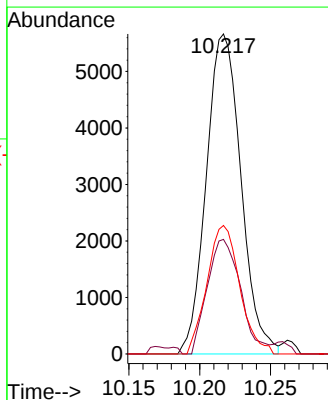
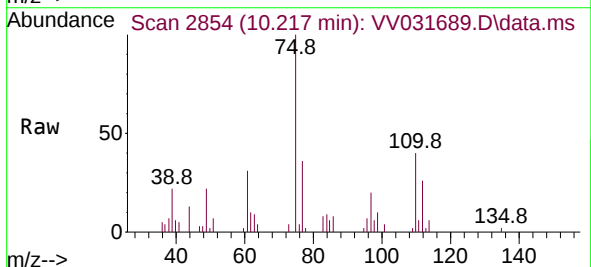
Reviewed By :John
Carlone
07/13/2023

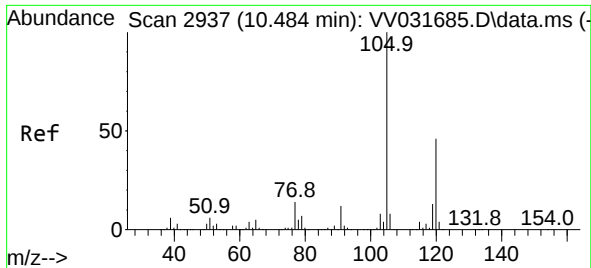
Supervised By :Mahesh
Dadoda
07/13/2023



#61
1,2,3-Trichloropropane
Concen: 3.490 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

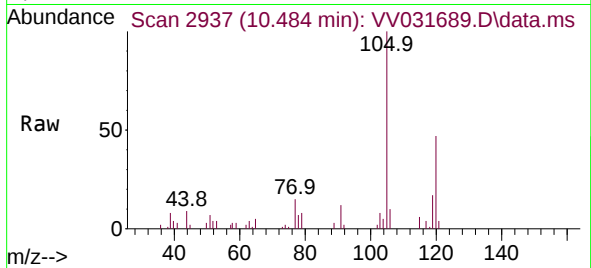
Tgt Ion: 75 Resp: 9653
Ion Ratio Lower Upper
75 100
77 34.4 25.1 37.7
110 37.8 31.4 47.0





#62
 1,3,5-Trimethylbenzene
 Concen: 2.078 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031689.D
 Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

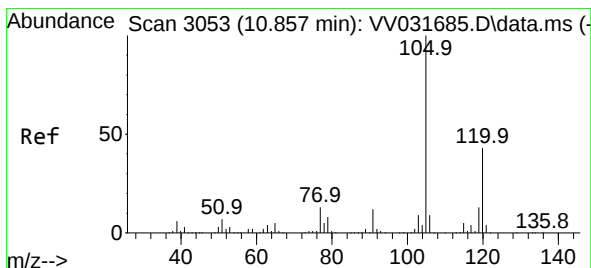
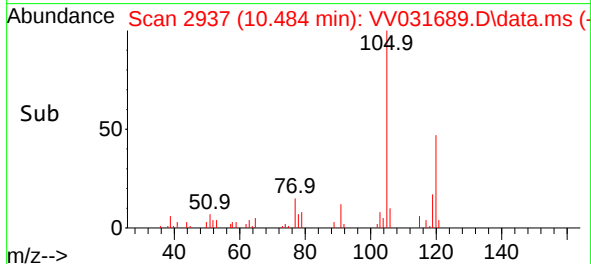
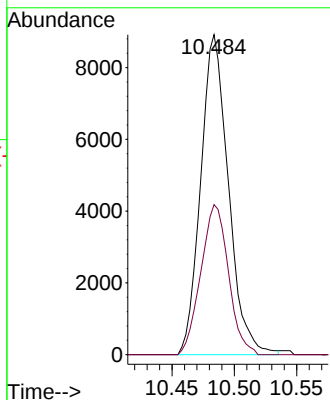


Tgt Ion:105 Resp: 13790
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.4 56.0

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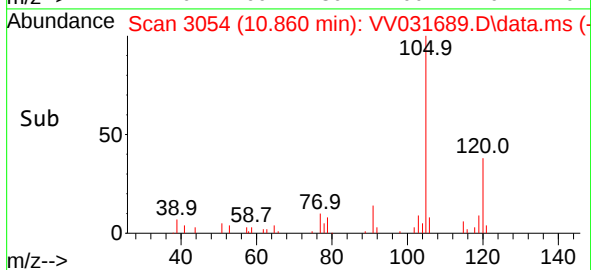
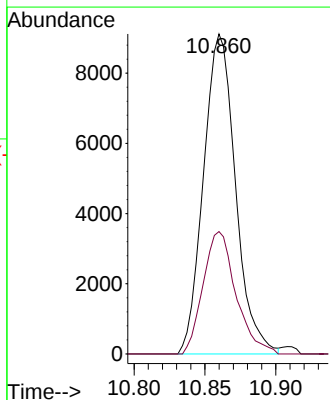
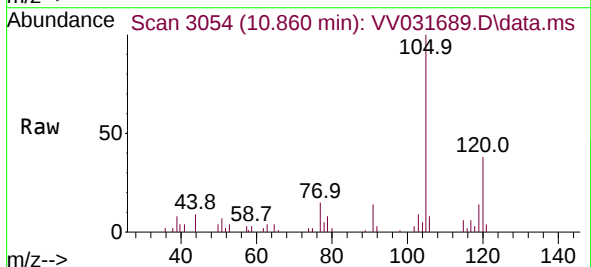
Reviewed By :John
 Carlone
 07/13/2023

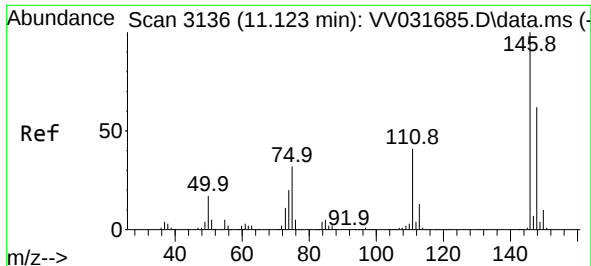
Supervised By :Mahesh
 Dadoda
 07/13/2023



#63
 1,2,4-Trimethylbenzene
 Concen: 2.168 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.003 min
 Lab File: VV031689.D
 Acq: 12 Jul 2023 12:36

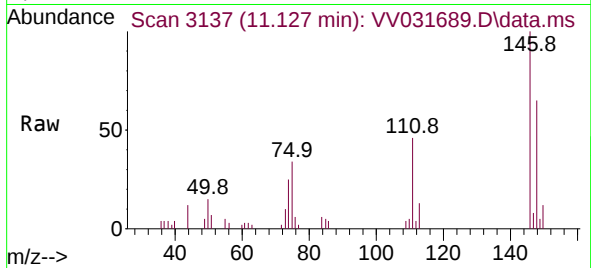
Tgt Ion:105 Resp: 14329
 Ion Ratio Lower Upper
 105 100
 120 39.2 34.7 52.1





#64
1,3-Dichlorobenzene
Concen: 2.581 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT3-2023-06

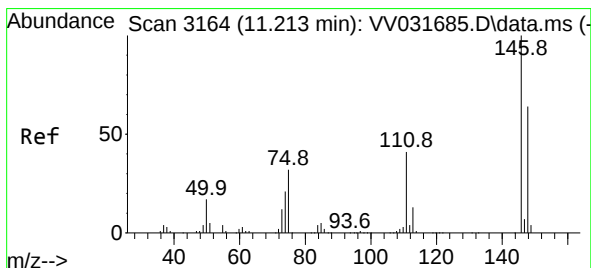
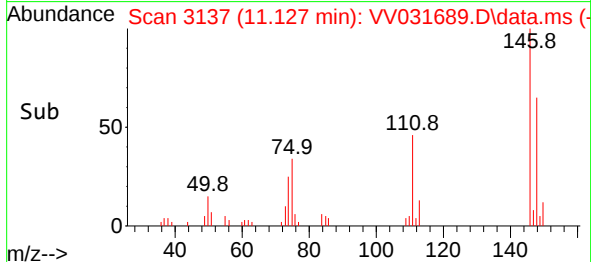
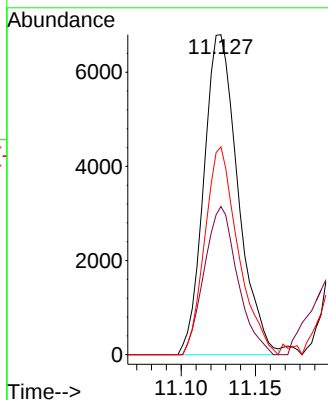


Tgt Ion:146 Resp: 10884
Ion Ratio Lower Upper
146 100
111 46.3 28.3 52.5
148 65.0 44.2 82.2

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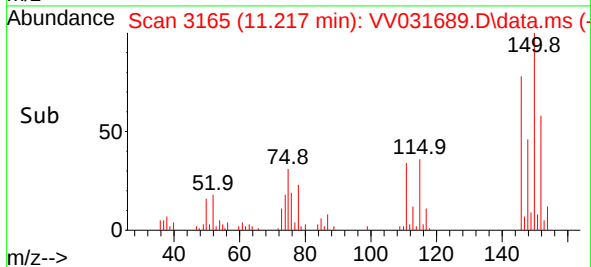
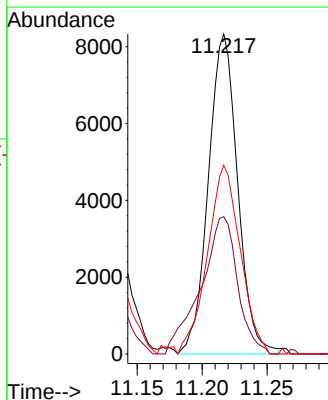
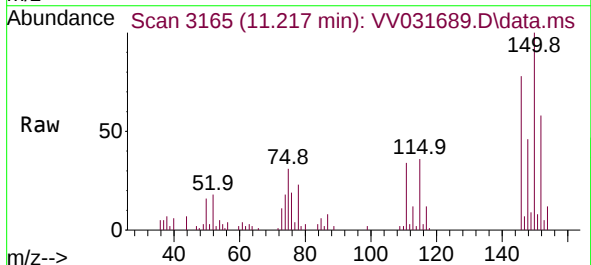
Reviewed By :John
Carlone
07/13/2023

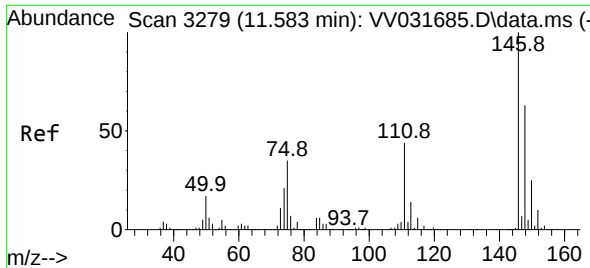
Supervised By :Mahesh
Dadoda
07/13/2023



#65
1,4-Dichlorobenzene
Concen: 2.855 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

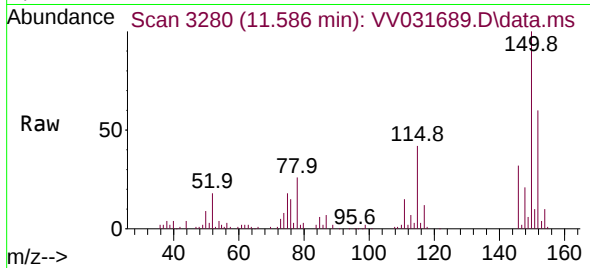
Tgt Ion:146 Resp: 13059
Ion Ratio Lower Upper
146 100
111 42.9 28.3 52.7
148 59.0 44.1 81.9





#67
1,2-Dichlorobenzene
Concen: 3.033 ug/L
RT: 11.586 min Scan# 312
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

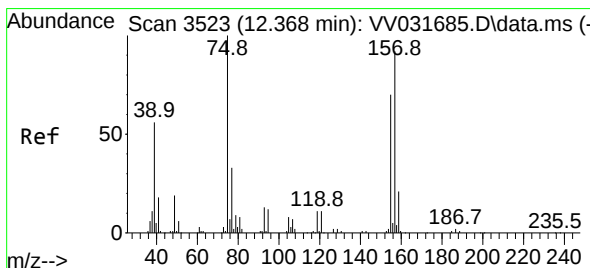
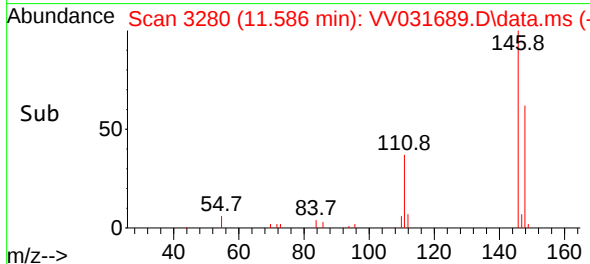
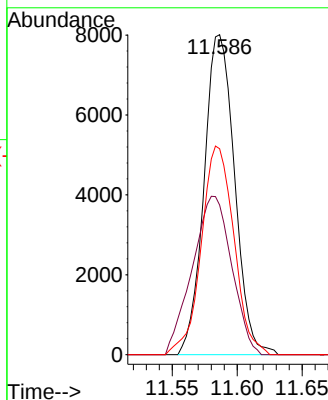


Tgt Ion:146 Resp: 1312
Ion Ratio Lower Upper
146 100
111 46.7 34.8 52.2
148 64.4 49.8 74.6

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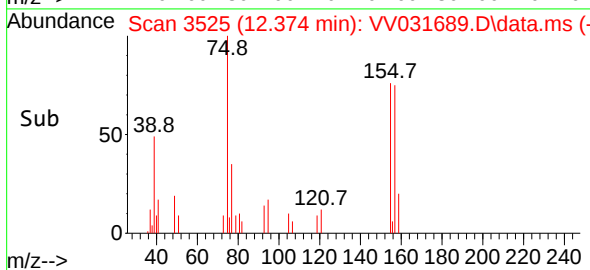
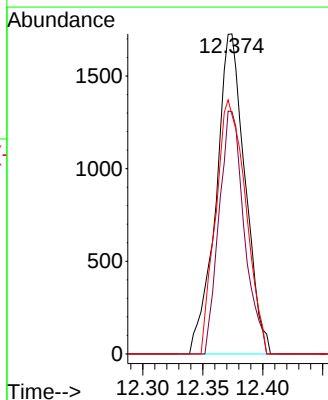
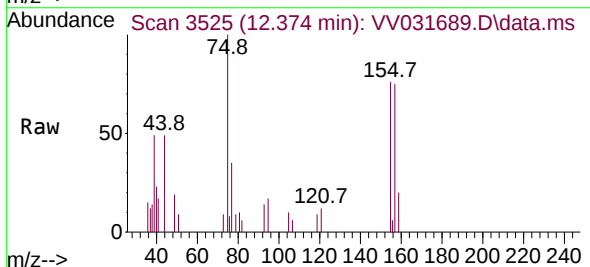
Reviewed By :John
Carlone
07/13/2023

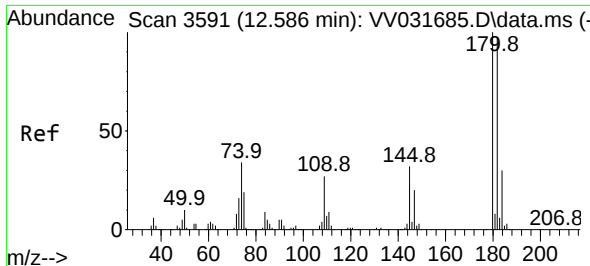
Supervised By :Mahesh
Dadoda
07/13/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 3.449 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.006 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion: 75 Resp: 2911
Ion Ratio Lower Upper
75 100
155 76.0 59.9 89.9
157 69.0 77.6 116.4#





#69
1,3,5-Trichlorobenzene
Concen: 2.758 ug/L
RT: 12.590 min Scan# 3591
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

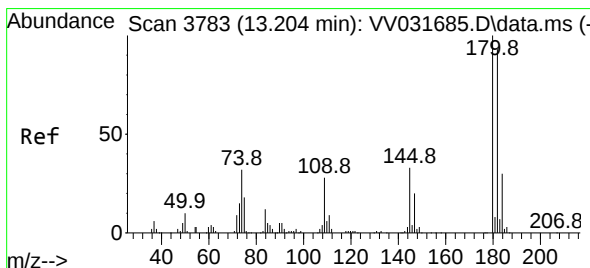
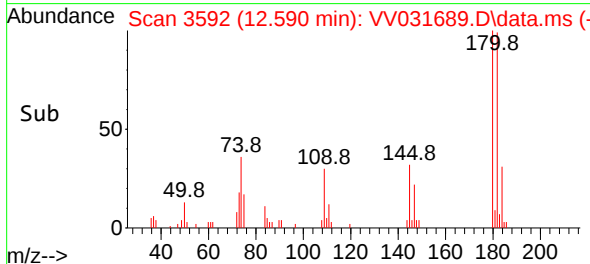
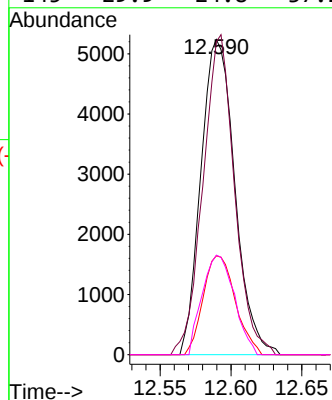
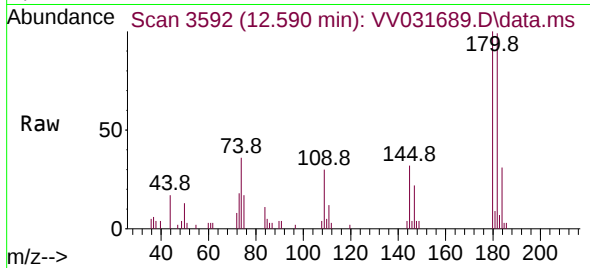
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

Tgt Ion:180 Resp: 871
Ion Ratio Lower Upper
180 100
182 94.3 75.5 113.3
184 29.7 23.7 35.5
145 29.9 24.8 37.2

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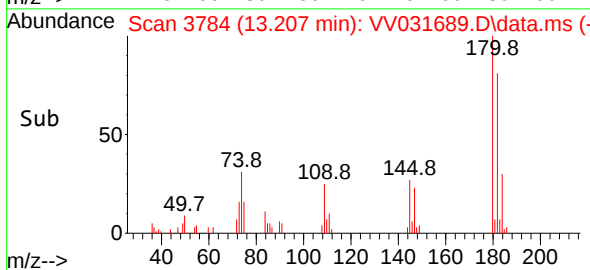
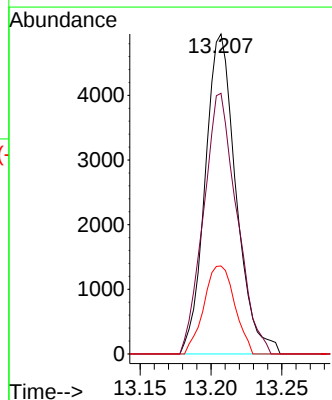
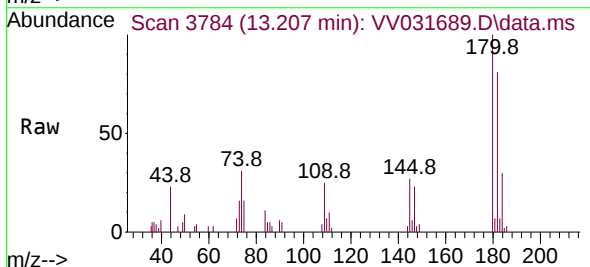
Reviewed By :John
Carlone
07/13/2023

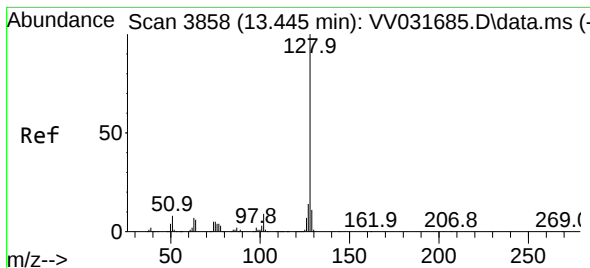
Supervised By :Mahesh
Dadoda
07/13/2023



#70
1,2,4-trichlorobenzene
Concen: 2.678 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

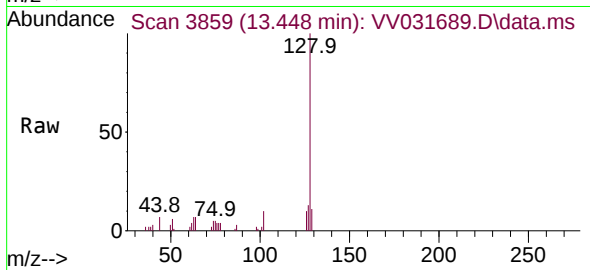
Tgt Ion:180 Resp: 7498
Ion Ratio Lower Upper
180 100
182 87.7 76.6 114.8
145 27.4 25.4 38.2





#71
Naphthalene
Concen: 2.217 ug/L
RT: 13.448 min Scan# 3858
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2023-06

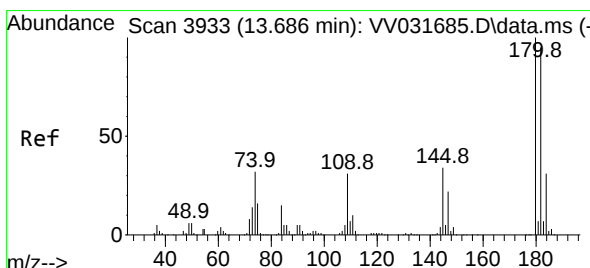
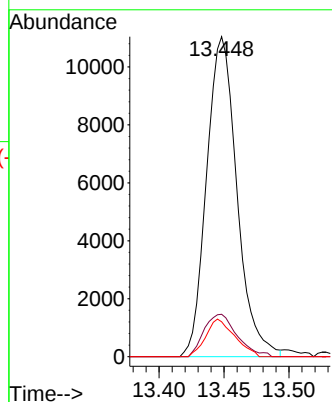
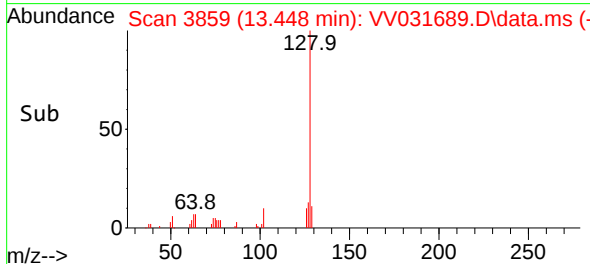


Tgt Ion:128 Resp: 17964
Ion Ratio Lower Upper
128 100
127 14.1 11.0 16.4
129 11.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone
07/13/2023

Supervised By :Mahesh
Dadoda
07/13/2023



#72
1,2,3-Trichlorobenzene
Concen: 2.492 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.003 min
Lab File: VV031689.D
Acq: 12 Jul 2023 12:36

Tgt Ion:180 Resp: 7314
Ion Ratio Lower Upper
180 100
182 99.3 76.7 115.1
145 34.3 27.7 41.5

