

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030122\
 Data File : VW024845.D
 Acq On : 01 Mar 2022 13:48
 Operator : SY/MD
 Sample : N1331-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Mar 02 02:43:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 02 01:20:37 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/02/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	311475	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	303319	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	144165	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.307	65	122043	38.534	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.060%
7) Chloroethane-d5	1.568	69	105136	42.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.620%
11) 1,1-Dichloroethene-d2	2.108	63	171436	32.250	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.500%
21) 2-Butanone-d5	3.886	46	172571	95.745	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.740%
24) Chloroform-d	4.346	84	236827	42.836	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.680%
26) 1,2-Dichloroethane-d4	5.027	65	145980	44.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
32) Benzene-d6	5.047	84	496895	44.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.066	67	159609	45.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.140%
41) Toluene-d8	7.313	98	434548	43.629	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.260%
43) trans-1,3-Dichloroprop...	7.619	79	65515	43.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.080%
47) 2-Hexanone-d5	8.085	63	123145	92.621	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	191050	45.985	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.960%
66) 1,2-Dichlorobenzene-d4	11.622	152	154282	46.458	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.920%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.130	85	7010	2.384	ug/L	98
3) Chloromethane	1.243	50	8183	2.690	ug/L	98
5) Vinyl chloride	1.310	62	8122	2.602	ug/L #	72
6) Bromomethane	1.523	94	5108	2.739	ug/L	97
8) Chloroethane	1.587	64	4563	2.494	ug/L	95
9) Trichlorofluoromethane	1.754	101	9353	2.343	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	7179	3.032	ug/L	86
12) 1,1-Dichloroethene	2.118	96	6713	2.912	ug/L #	1
13) Acetone	2.182	43	6298	4.576	ug/L	93
14) Carbon disulfide	2.294	76	16009	2.273	ug/L	97
15) Methyl Acetate	2.442	43	5947	2.515	ug/L	99
16) Methylene chloride	2.510	84	6816	2.524	ug/L	97
17) trans-1,2-Dichloroethene	2.764	96	5808	2.329	ug/L	96
18) Methyl tert-butyl Ether	2.770	73	17960	2.362	ug/L	97
19) 1,1-Dichloroethane	3.191	63	11179	2.487	ug/L	94
20) cis-1,2-Dichloroethene	3.912	96	6310	2.338	ug/L	90
22) 2-Butanone	4.011	43	9237m	5.853	ug/L	
23) Bromochloromethane	4.256	128	3041	2.253	ug/L	91
25) Chloroform	4.371	83	13367	2.862	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	7665	2.352	ug/L	100
29) Cyclohexane	4.677	56	8856	2.232	ug/L	91
30) 1,1,1-Trichloroethane	4.609	97	9079	2.273	ug/L	98
31) Carbon tetrachloride	4.828	117	7299	2.149	ug/L	96
33) Benzene	5.101	78	24389	2.383	ug/L	100
34) Trichloroethene	5.918	95	7174	2.556	ug/L	98
35) Methylcyclohexane	6.130	83	10131	2.380	ug/L	99
37) 1,2-Dichloropropane	6.175	63	6266	2.439	ug/L #	89
38) Bromodichloromethane	6.513	83	7418	2.204	ug/L	98
39) cis-1,3-Dichloropropene	7.034	75	7648	1.978	ug/L	96
40) 4-Methyl-2-pentanone	7.230	43	13643	4.455	ug/L	99
42) Toluene	7.391	91	32449	3.038	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8343	2.349	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	5845	2.342	ug/L	97
46) Tetrachloroethene	7.976	164	4496	2.481	ug/L	94
48) 2-Hexanone	8.143	43	25327	10.508	ug/L	90
49) Dibromochloromethane	8.246	129	5107	2.117	ug/L	88
50) 1,2-Dibromoethane	8.355	107	5909	2.296	ug/L #	97
51) Chlorobenzene	8.883	112	15943	2.366	ug/L	93
52) Ethylbenzene	9.014	91	26030	2.310	ug/L	98
53) m,p-Xylene	9.140	106	9974	2.304	ug/L	97
54) o-Xylene	9.542	106	10132	2.422	ug/L	89
55) Styrene	9.564	104	14721	2.074	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.236	83	9495	2.720	ug/L #	95
59) Bromoform	9.731	173	2695	2.052	ug/L #	91
60) Isopropylbenzene	9.931	105	24993	2.387	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	7571	2.625	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	16001	2.265	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	19475	2.249	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	11360	2.473	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	11949	2.540	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	11874	2.568	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	1374	2.086	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	7423	2.394	ug/L	96
70) 1,2,4-trichlorobenzene	13.262	180	6310	2.335	ug/L	99
71) Naphthalene	13.503	128	19541	2.232	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	6407	2.405	ug/L	100

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

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MDL-MED-SOIL-QT1-2022-02

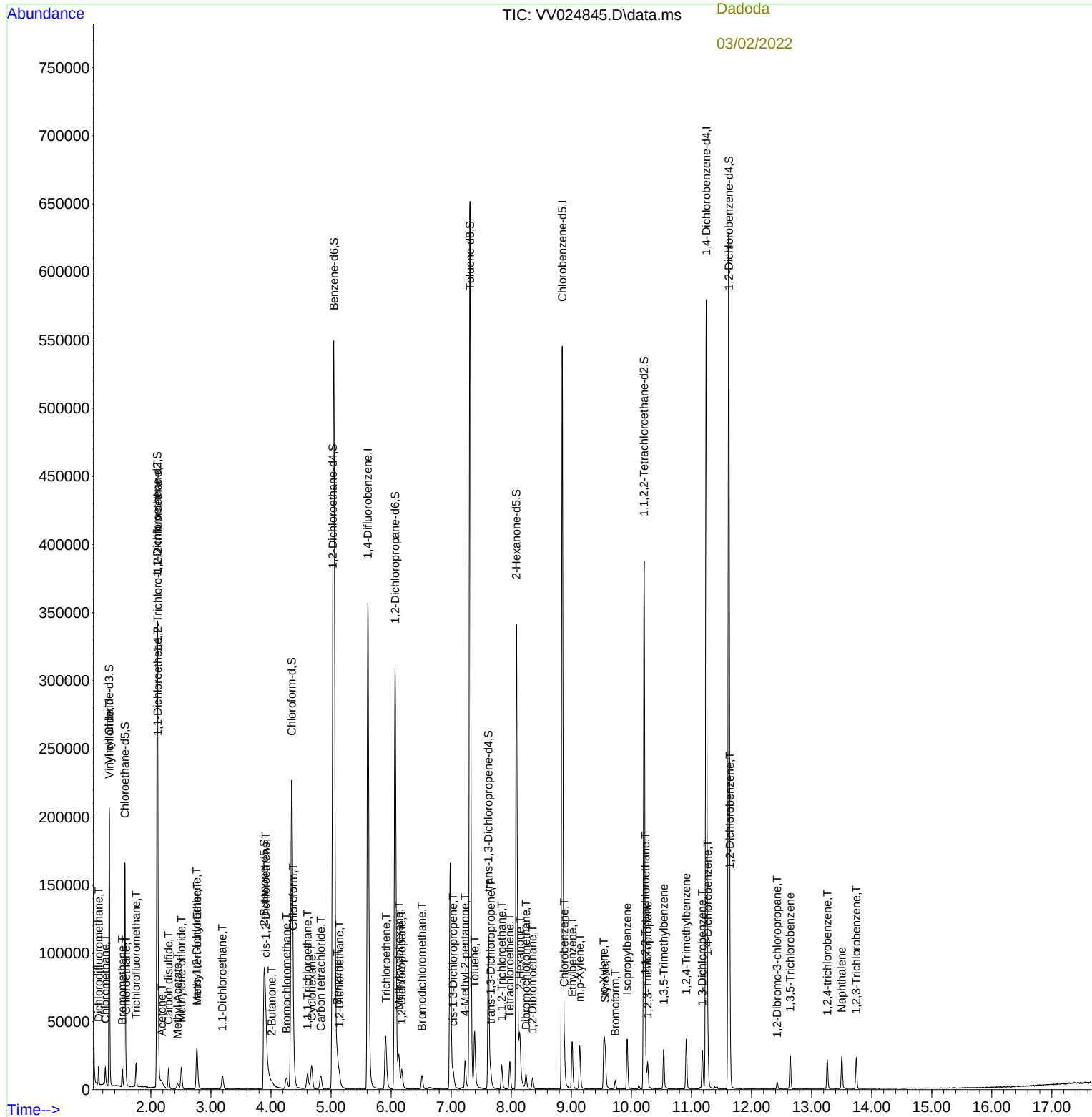
Quant Time: Mar 02 02:43:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

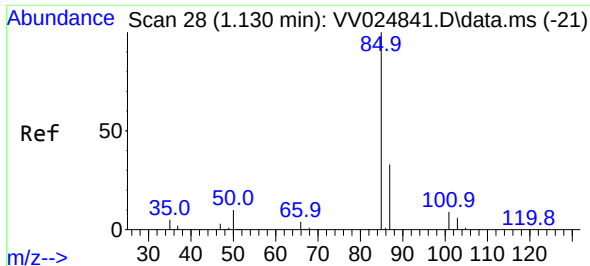
Manual Integrations
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03/02/2022
Supervised By :Mahesh
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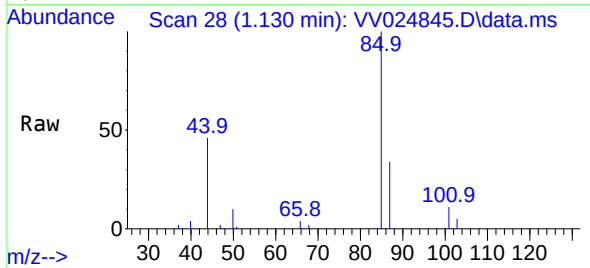
03/02/2022





#2
Dichlorodifluoromethane
Concen: 2.384 ug/L
RT: 1.130 min Scan# 28
Delta R.T. 0.000 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



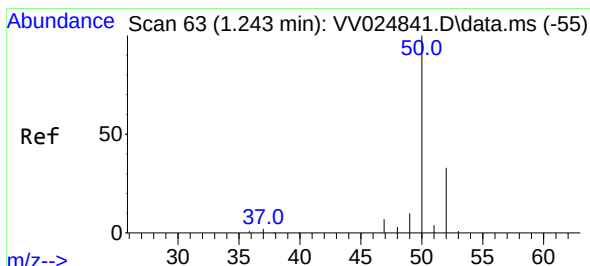
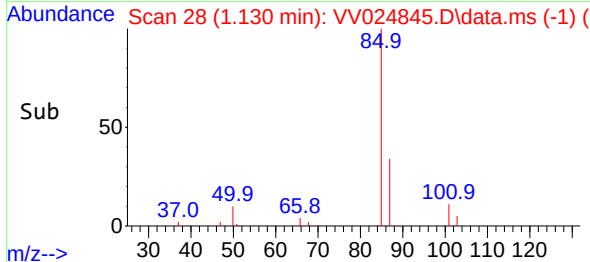
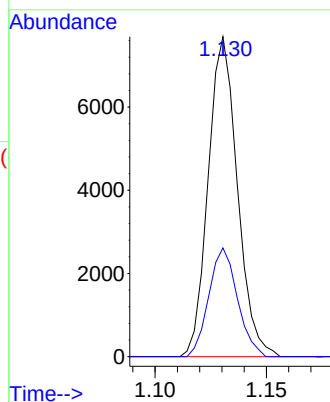
Tgt Ion: 85 Resp: 7010
Ion Ratio Lower Upper
85 100
87 33.3 25.8 38.8

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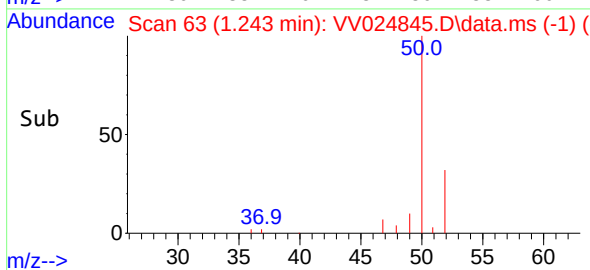
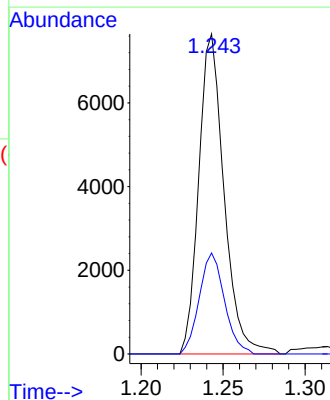
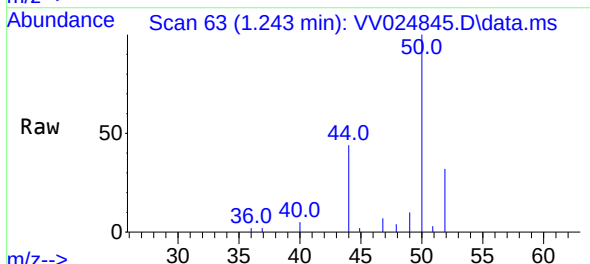
03/02/2022
Supervised By :Mahesh
Dadoda

03/02/2022

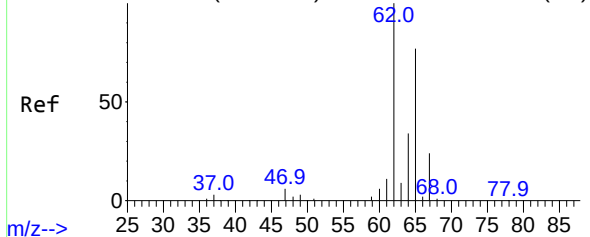


#3
Chloromethane
Concen: 2.690 ug/L
RT: 1.243 min Scan# 63
Delta R.T. 0.000 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion: 50 Resp: 8183
Ion Ratio Lower Upper
50 100
52 31.5 22.8 42.4



Abundance Scan 84 (1.310 min): VV024841.D\data.ms (-77)



#5

Vinyl chloride

Concen: 2.602 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 62 Resp: 812

Ion Ratio Lower Upper

62 100

64 49.2 23.2 43.0

Manual Integrations

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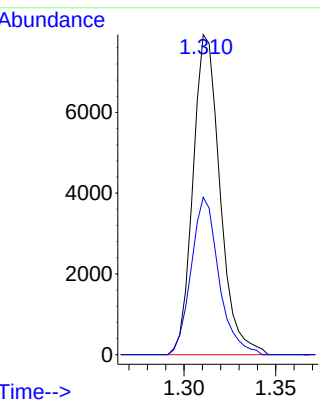
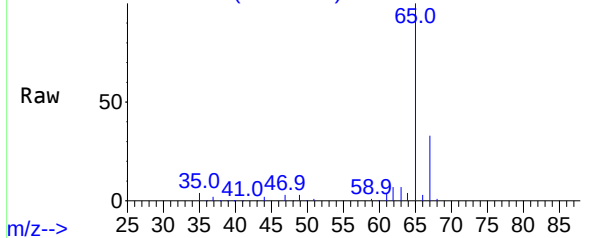
Reviewed By :John
Carlone

03/02/2022

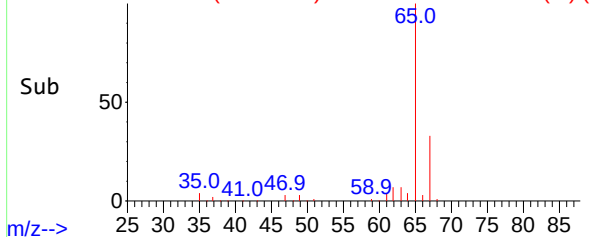
Supervised By :Mahesh
Dadoda

03/02/2022

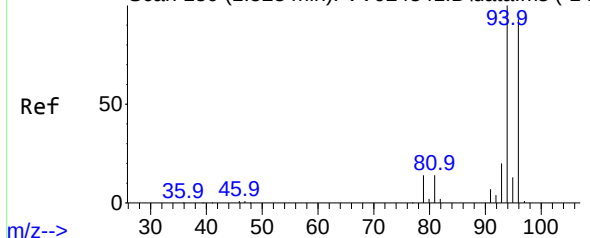
Abundance Scan 84 (1.310 min): VV024845.D\data.ms



Abundance Scan 84 (1.310 min): VV024845.D\data.ms (-1)



Abundance Scan 150 (1.523 min): VV024841.D\data.ms (-14)



#6

Bromomethane

Concen: 2.739 ug/L

RT: 1.523 min Scan# 150

Delta R.T. 0.000 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

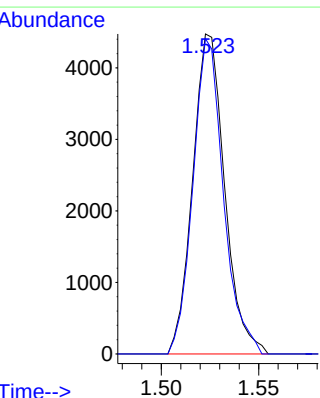
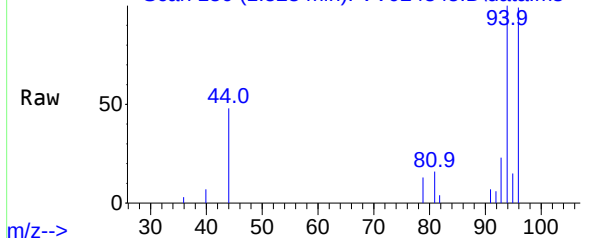
Tgt Ion: 94 Resp: 5108

Ion Ratio Lower Upper

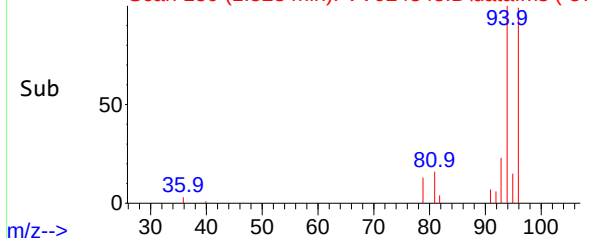
94 100

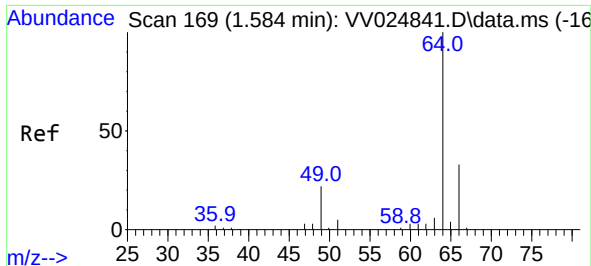
96 98.5 66.7 123.9

Abundance Scan 150 (1.523 min): VV024845.D\data.ms



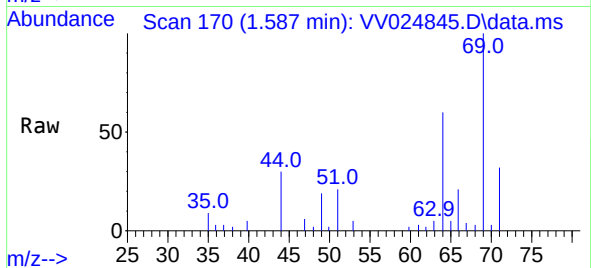
Abundance Scan 150 (1.523 min): VV024845.D\data.ms (-57)





#8
Chloroethane
Concen: 2.494 ug/L
RT: 1.587 min Scan# 169
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-02



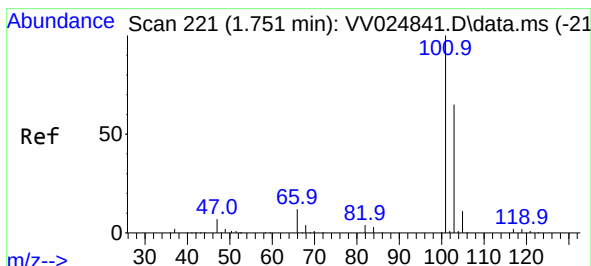
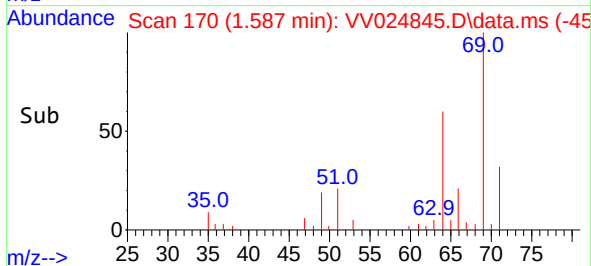
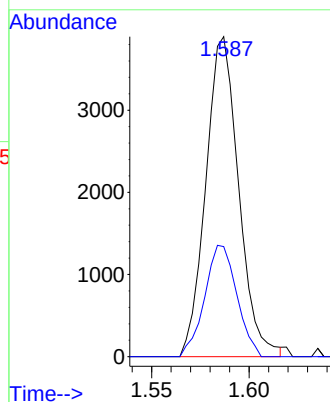
Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 34.4 22.2 41.2

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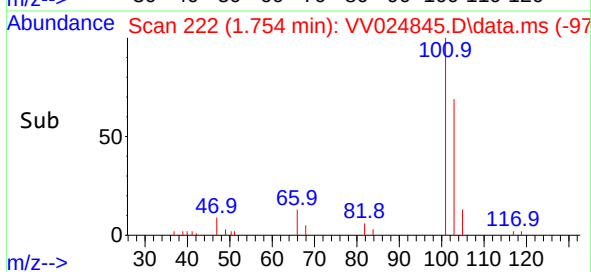
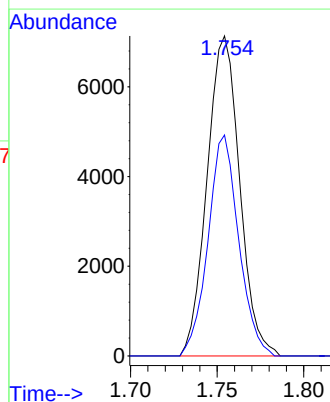
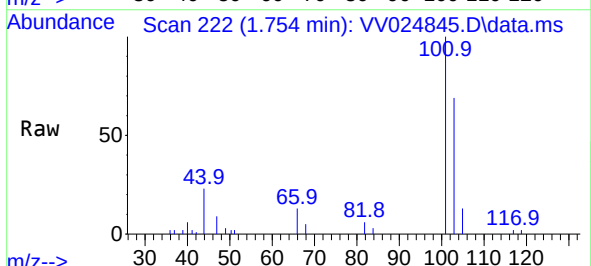
03/02/2022
Supervised By :Mahesh
Dadoda

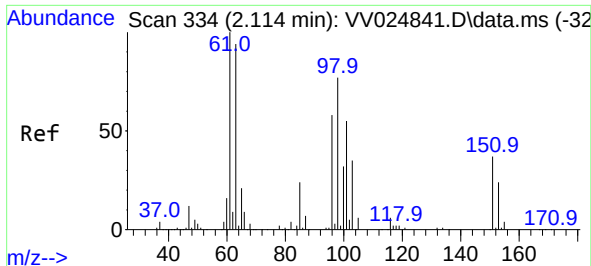
03/02/2022



#9
Trichlorofluoromethane
Concen: 2.343 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

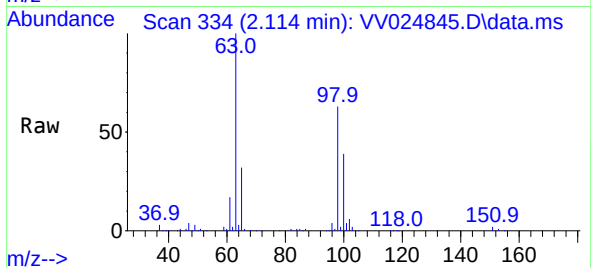
Tgt Ion:101 Resp: 9353
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.032 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
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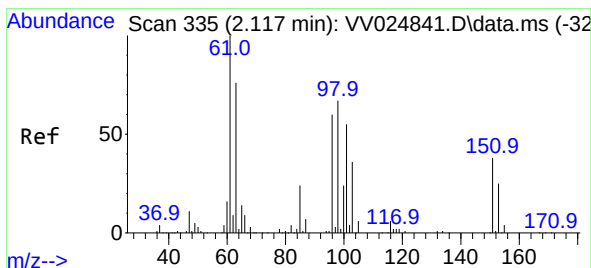
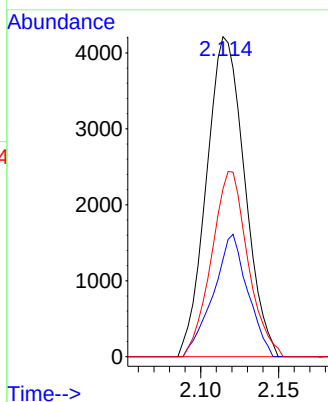
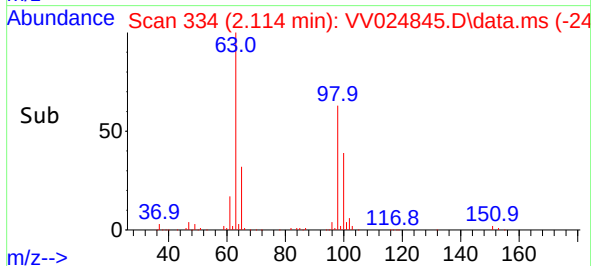
Tgt Ion:101 Resp: 7179
Ion Ratio Lower Upper
101 100
85 34.5 33.8 50.8
151 55.1 54.1 81.1

Manual Integrations
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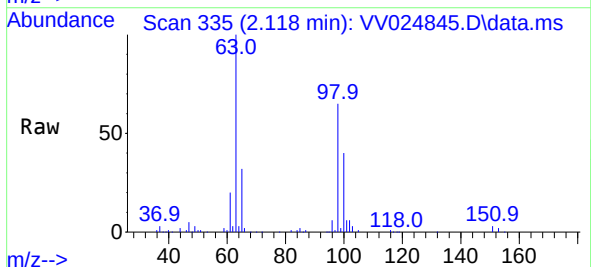
Reviewed By :John
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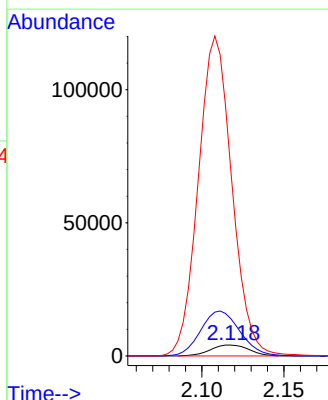
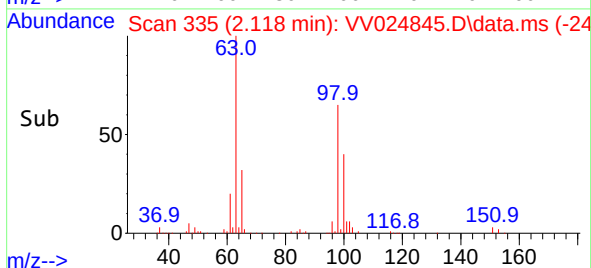
03/02/2022

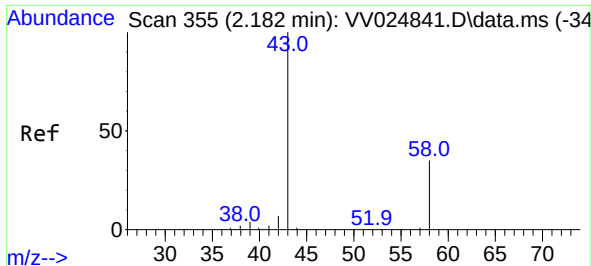


#12
1,1-Dichloroethene
Concen: 2.912 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48



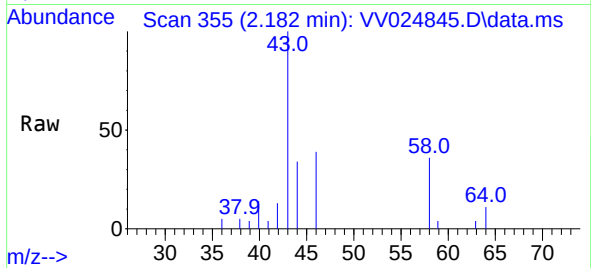
Tgt Ion: 96 Resp: 6713
Ion Ratio Lower Upper
96 100
61 343.2 117.6 218.4#
63 1713.3 105.3 195.5#





#13
Acetone
Concen: 4.576 ug/L
RT: 2.182 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV024845.D
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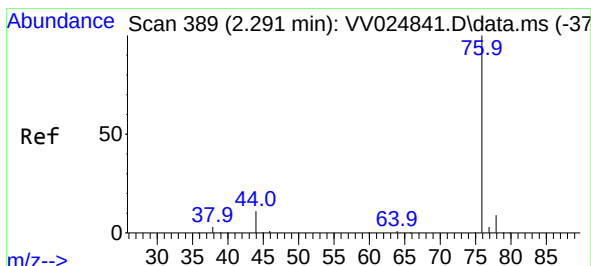
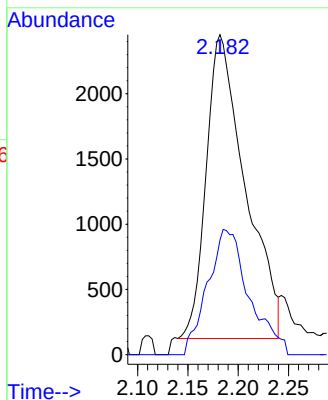
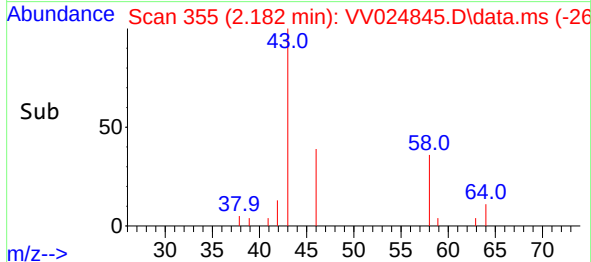
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Ion Ratio Lower Upper
43 100
58 39.0 0.0 70.0

Manual Integrations
APPROVED

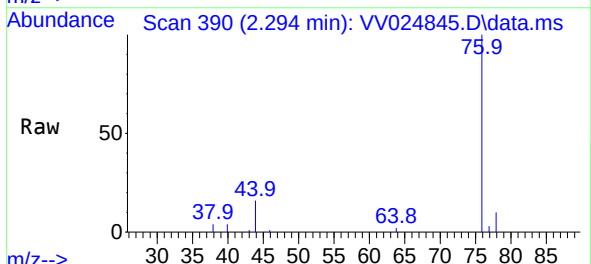
Reviewed By :John
Carlone

03/02/2022
Supervised By :Mahesh
Dadoda

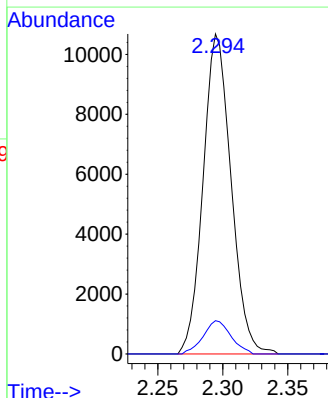
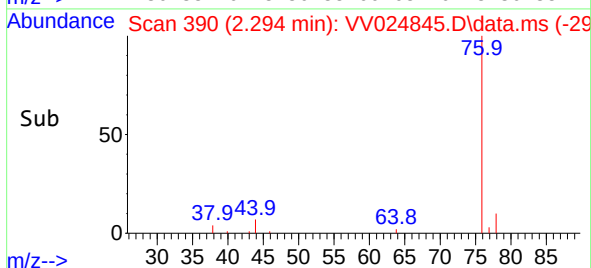
03/02/2022

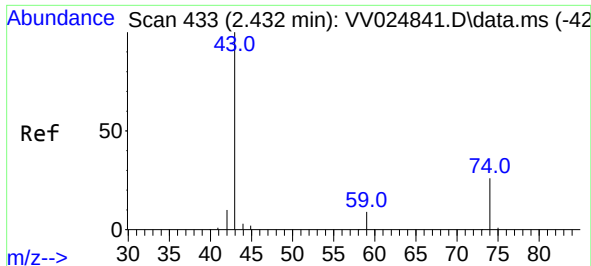


#14
Carbon disulfide
Concen: 2.273 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48



Tgt Ion: 76 Resp: 16009
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0





#15
Methyl Acetate
Concen: 2.515 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

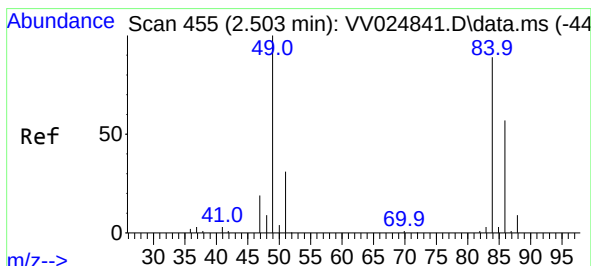
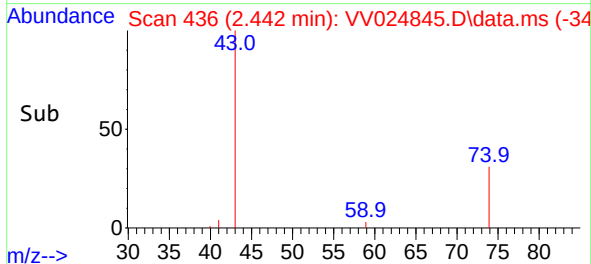
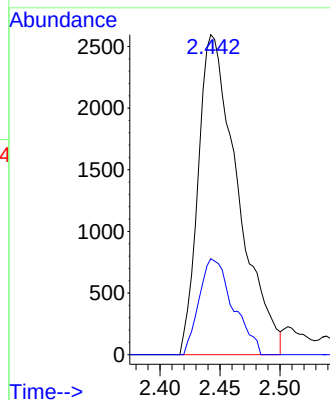
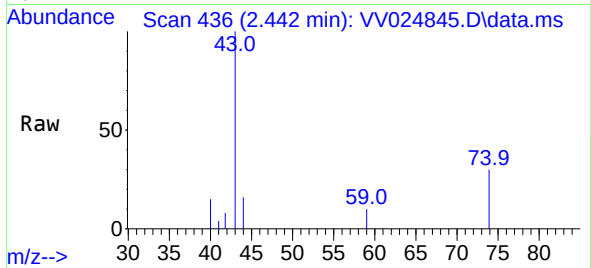
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 25.8 21.0 31.4

Manual Integrations
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Reviewed By :John
Carlone

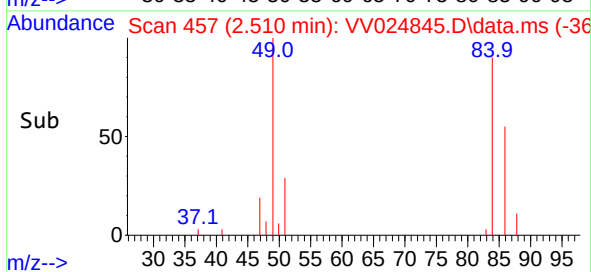
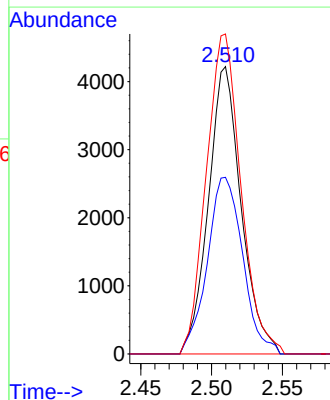
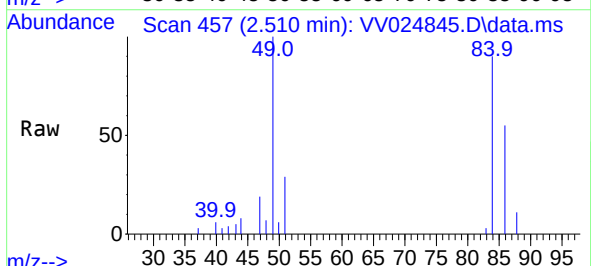
03/02/2022
Supervised By :Mahesh
Dadoda

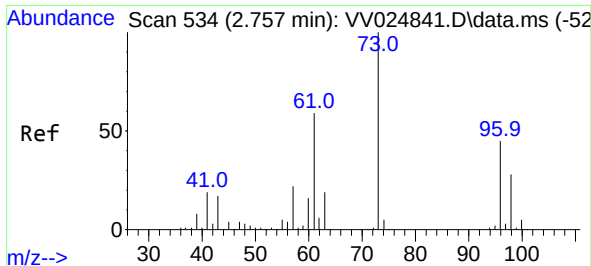
03/02/2022



#16
Methylene chloride
Concen: 2.524 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

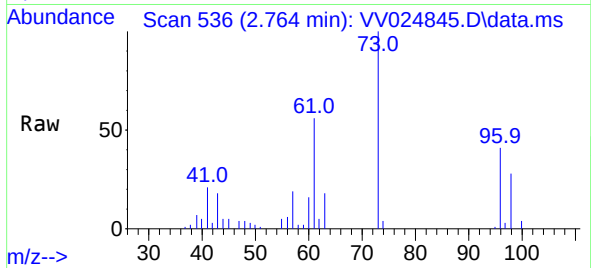
Tgt Ion: 84 Resp: 6816
Ion Ratio Lower Upper
84 100
86 61.5 44.3 82.3
49 111.4 80.7 149.9





#17
trans-1,2-Dichloroethene
Concen: 2.329 ug/L
RT: 2.764 min Scan# 511
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



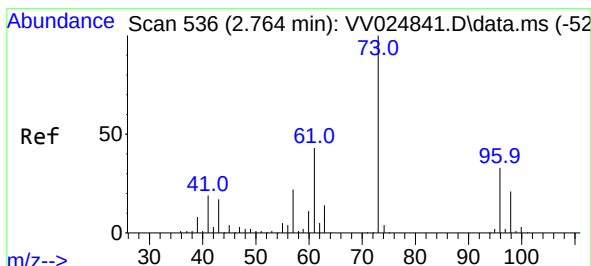
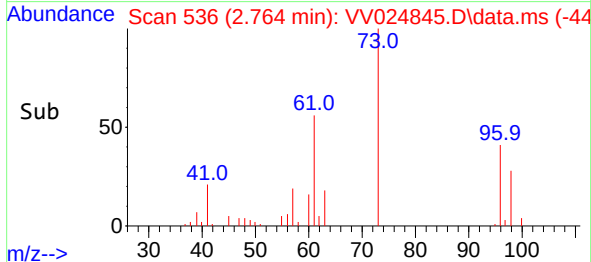
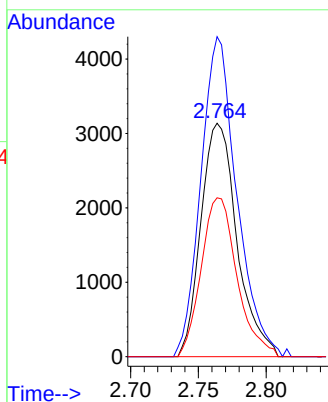
Tgt Ion: 96 Resp: 5808
Ion Ratio Lower Upper
96 100
61 137.1 93.7 173.9
98 68.0 43.7 81.1

Manual Integrations
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Reviewed By :John
Carlone

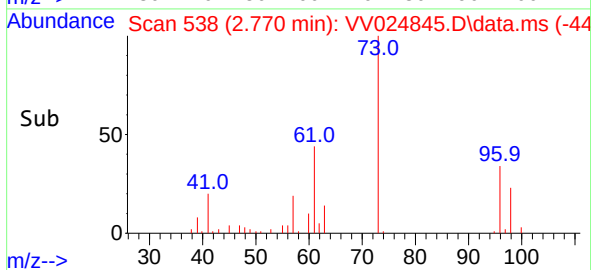
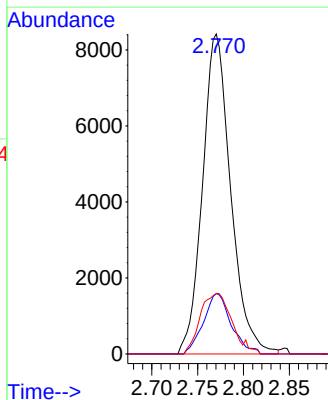
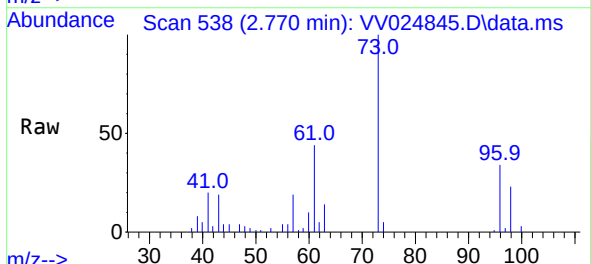
03/02/2022
Supervised By :Mahesh
Dadoda

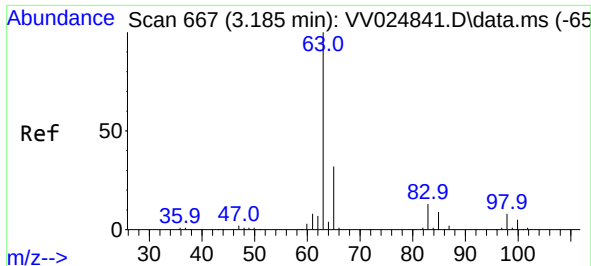
03/02/2022



#18
Methyl tert-butyl Ether
Concen: 2.362 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion: 73 Resp: 17960
Ion Ratio Lower Upper
73 100
43 18.3 13.6 20.4
57 20.3 17.4 26.2





#19
1,1-Dichloroethane
Concen: 2.487 ug/L
RT: 3.191 min Scan# 611
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

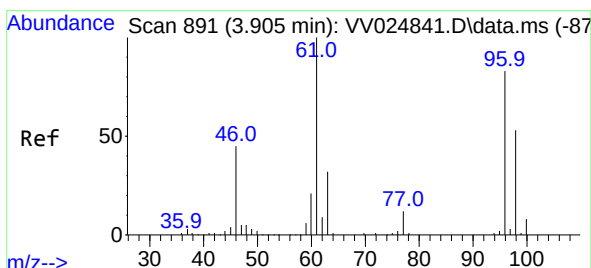
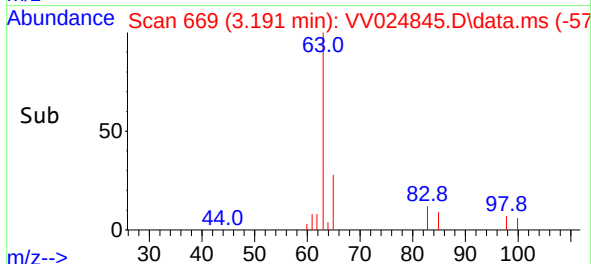
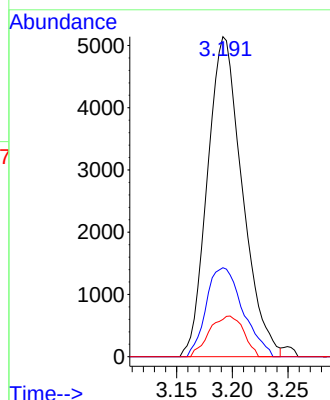
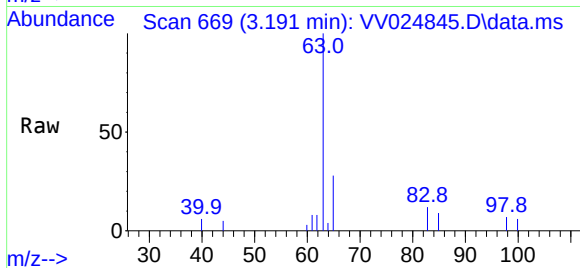
Tgt Ion: 63 Resp: 11179
Ion Ratio Lower Upper
63 100
65 27.8 22.0 40.8
83 11.6 9.2 17.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

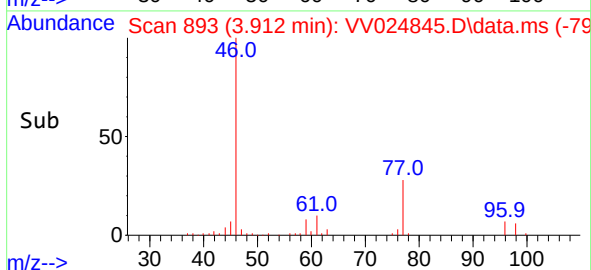
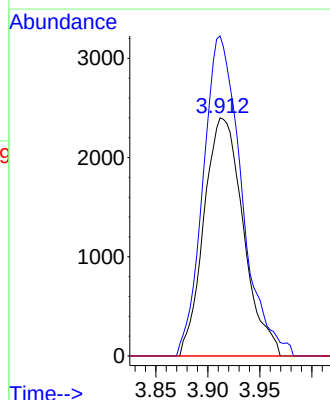
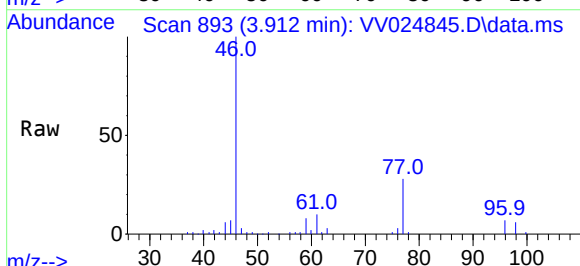
03/02/2022
Supervised By :Mahesh
Dadoda

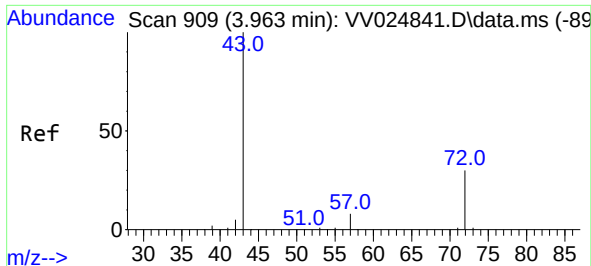
03/02/2022



#20
cis-1,2-Dichloroethene
Concen: 2.338 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

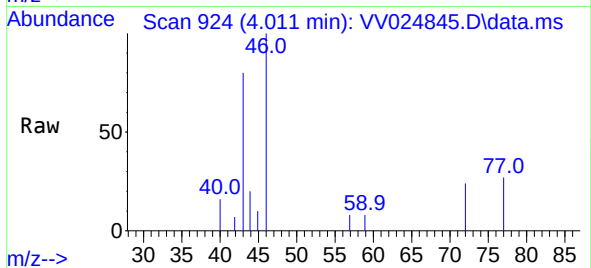
Tgt Ion: 96 Resp: 6310
Ion Ratio Lower Upper
96 100
61 134.4 86.1 159.9
68 0.0 0.0 0.0





#22
2-Butanone
Concen: 5.853 ug/L m
RT: 4.011 min Scan# 91
Delta R.T. 0.048 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



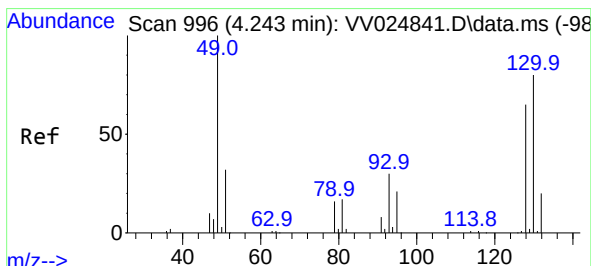
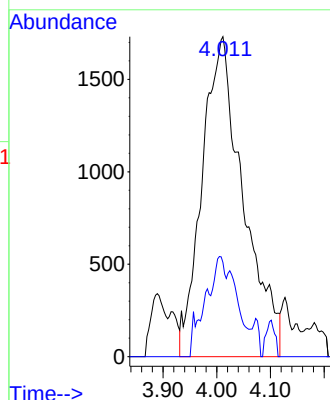
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
72 1.1 13.9 41.6

Manual Integrations
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Reviewed By :John
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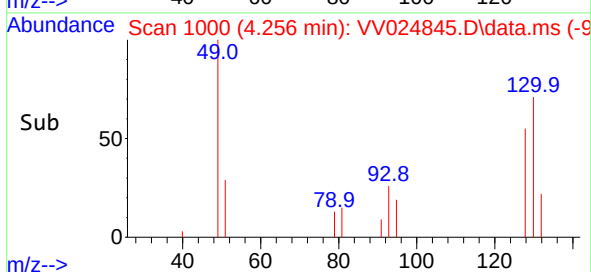
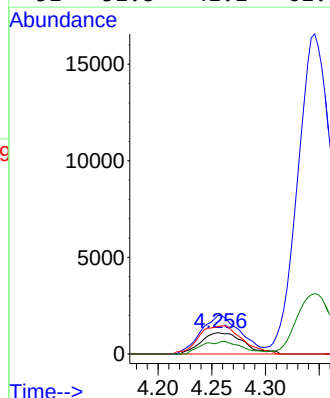
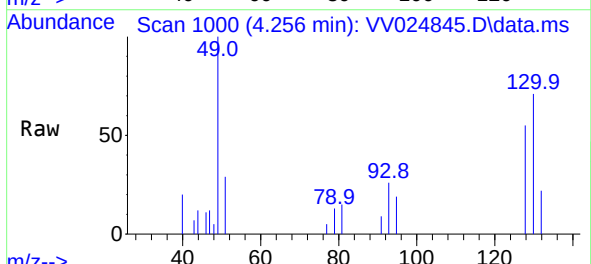
03/02/2022
Supervised By :Mahesh
Dadoda

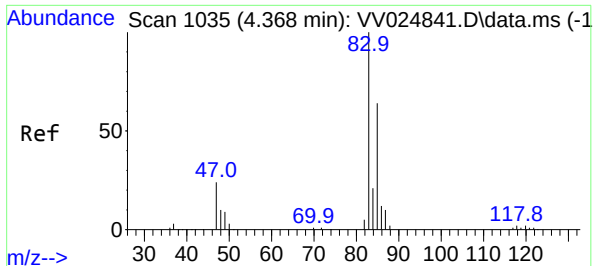
03/02/2022



#23
Bromochloromethane
Concen: 2.253 ug/L
RT: 4.256 min Scan# 1000
Delta R.T. 0.013 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:128 Resp: 3041
Ion Ratio Lower Upper
128 100
49 181.0 110.9 205.9
130 128.6 88.5 164.3
51 51.8 41.1 61.7





#25

Chloroform

Concen: 2.862 ug/L

RT: 4.371 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 83 Resp: 1336

Ion Ratio Lower Upper

83 100

85 68.3 46.0 85.4

Manual Integrations

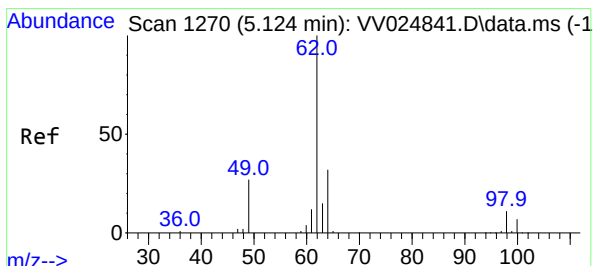
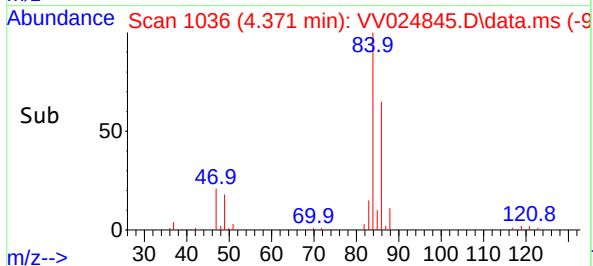
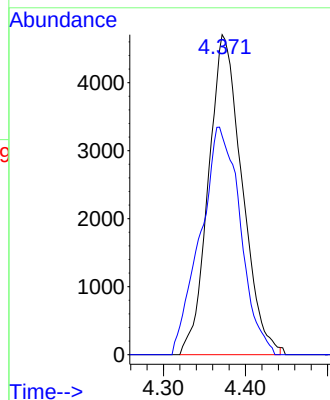
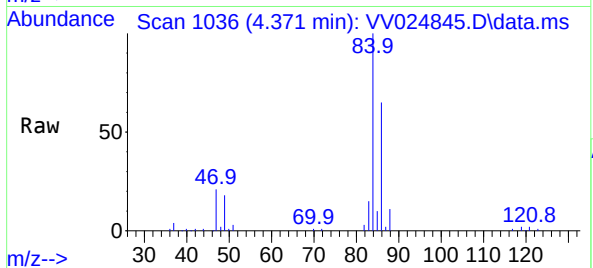
APPROVED

Reviewed By :John
Carlone

03/02/2022

Supervised By :Mahesh
Dadoda

03/02/2022



#27

1,2-Dichloroethane

Concen: 2.352 ug/L

RT: 5.140 min Scan# 1275

Delta R.T. 0.016 min

Lab File: VV024845.D

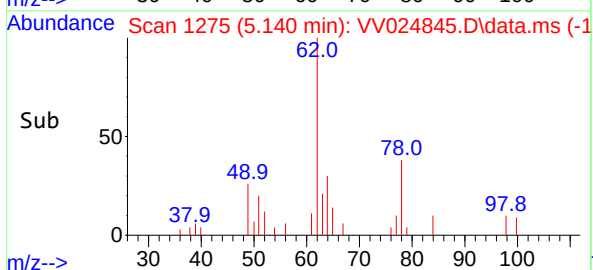
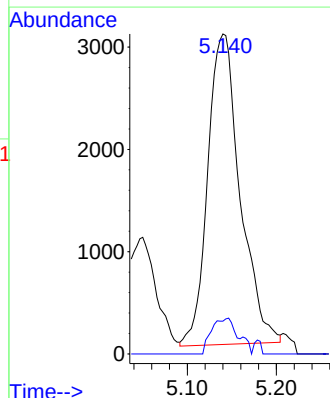
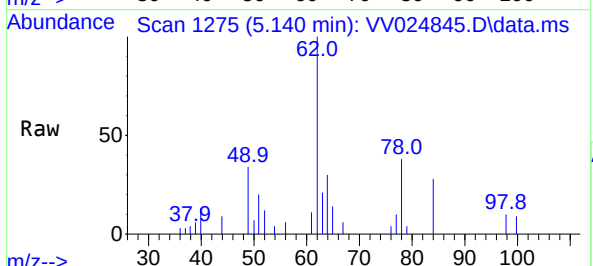
Acq: 01 Mar 2022 13:48

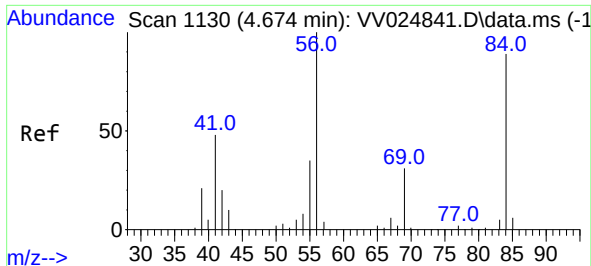
Tgt Ion: 62 Resp: 7665

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4





#29

Cyclohexane

Concen: 2.232 ug/L

RT: 4.677 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 56 Resp: 885

Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.0	37.6
84	102.4	73.4	110.2

Manual Integrations

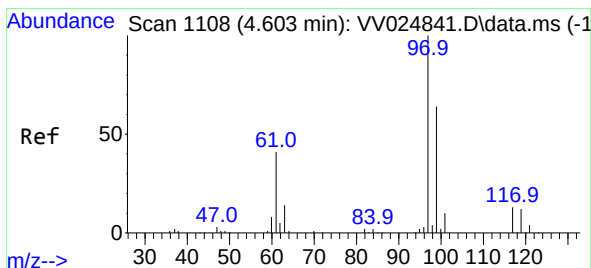
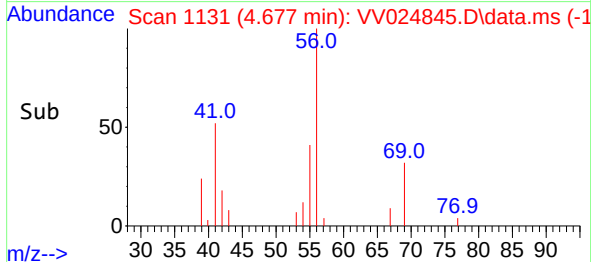
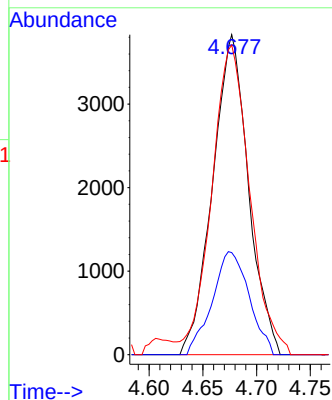
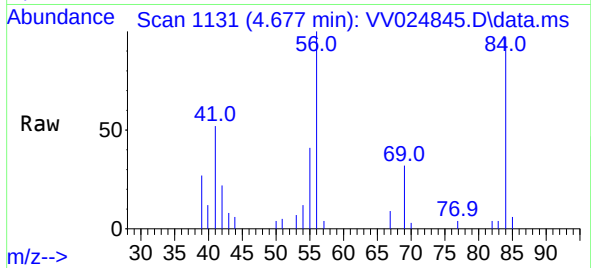
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Reviewed By :John
Carlone

03/02/2022

Supervised By :Mahesh
Dadoda

03/02/2022



#30

1,1,1-Trichloroethane

Concen: 2.273 ug/L

RT: 4.609 min Scan# 1110

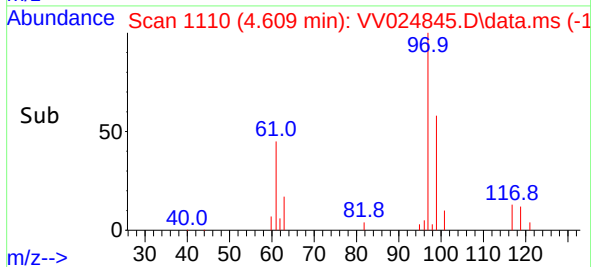
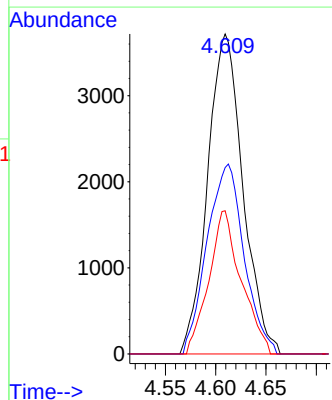
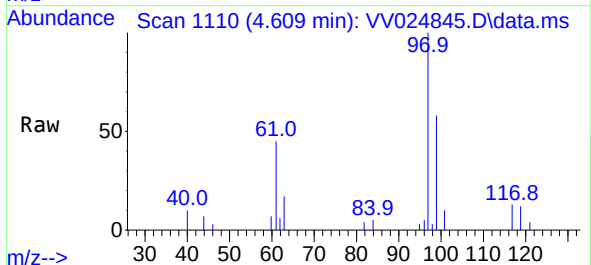
Delta R.T. 0.007 min

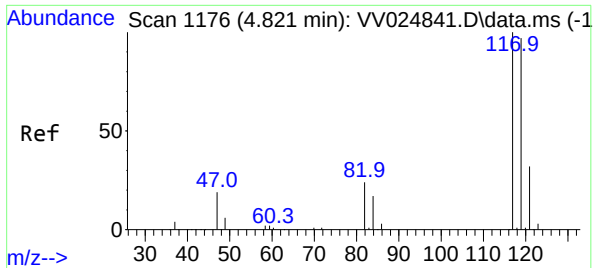
Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Tgt Ion: 97 Resp: 9079

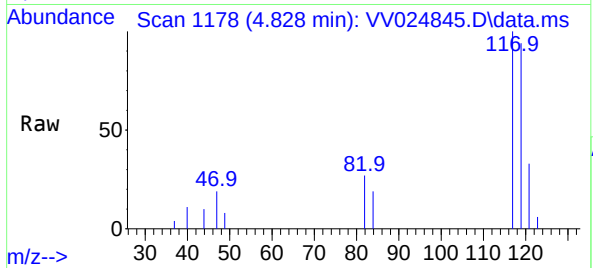
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.5	77.3
61	41.1	33.8	50.8





#31
Carbon tetrachloride
Concen: 2.149 ug/L
RT: 4.828 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-02



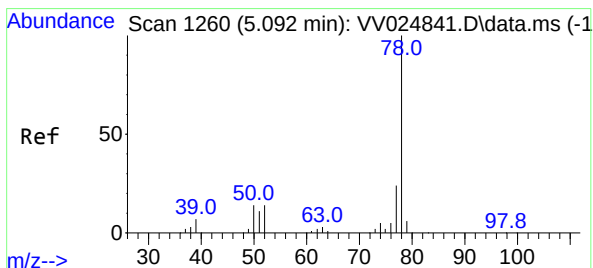
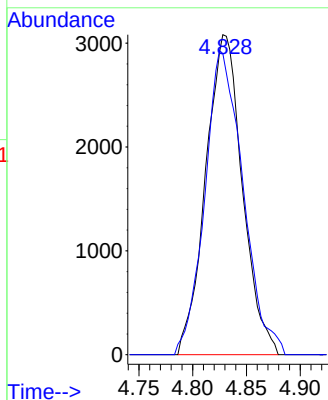
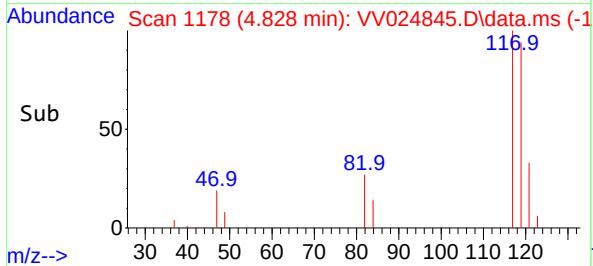
Tgt Ion:117 Resp: 7299
Ion Ratio Lower Upper
117 100
119 99.1 75.8 113.8

Manual Integrations
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Reviewed By :John
Carlone

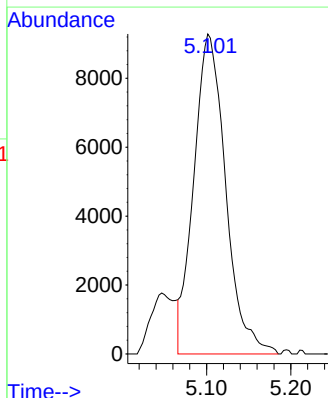
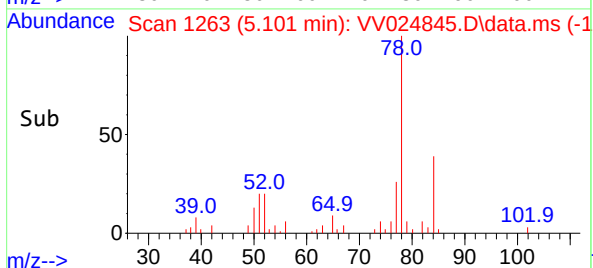
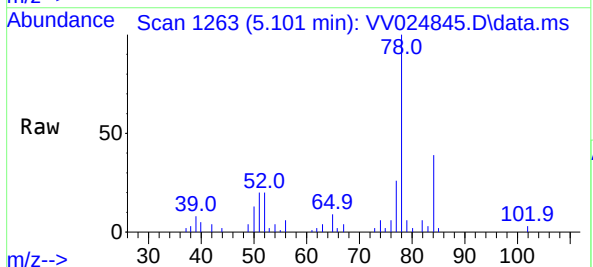
03/02/2022
Supervised By :Mahesh
Dadoda

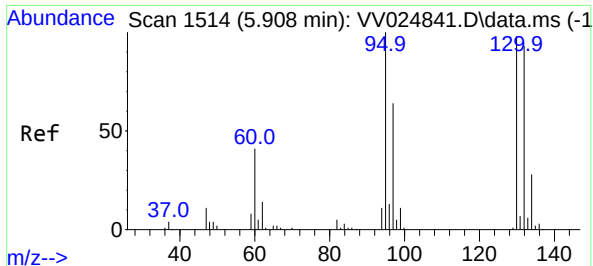
03/02/2022



#33
Benzene
Concen: 2.383 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

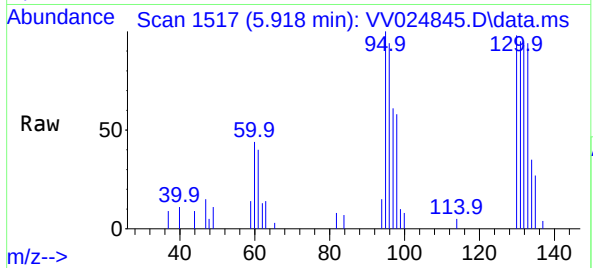
Tgt Ion: 78 Resp: 24389





#34
Trichloroethene
Concen: 2.556 ug/L
RT: 5.918 min Scan# 1514
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



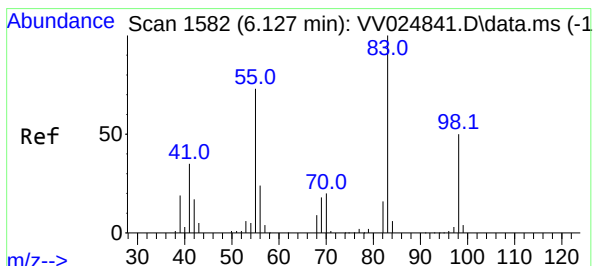
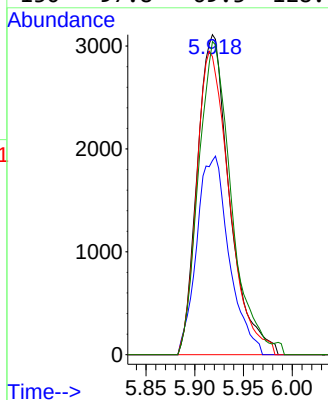
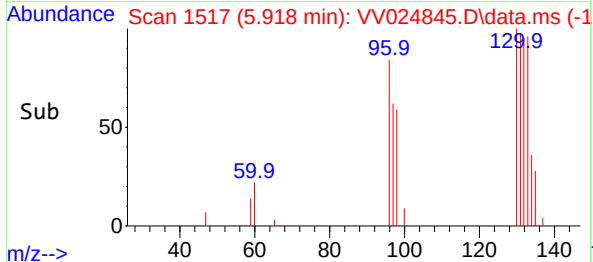
Tgt Ion: 95 Resp: 7174
Ion Ratio Lower Upper
95 100
97 60.7 45.3 84.1
132 93.2 65.0 120.6
130 97.8 69.3 128.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

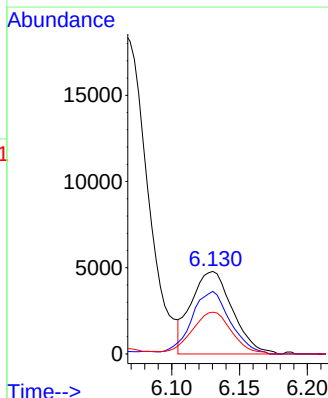
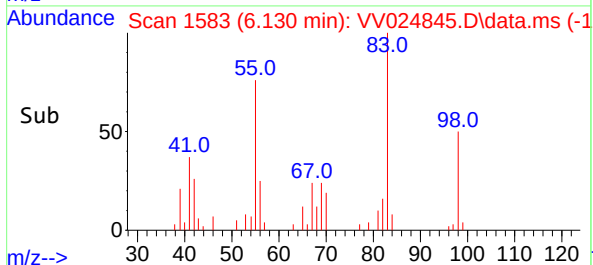
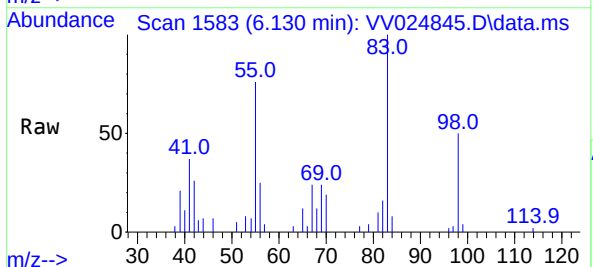
03/02/2022
Supervised By :Mahesh
Dadoda

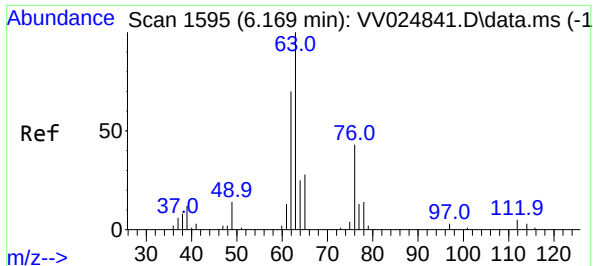
03/02/2022



#35
Methylcyclohexane
Concen: 2.380 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion: 83 Resp: 10131
Ion Ratio Lower Upper
83 100
55 71.4 57.7 86.5
98 48.9 38.9 58.3





#37
1,2-Dichloropropane
Concen: 2.439 ug/L
RT: 6.175 min Scan# 1102
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-02

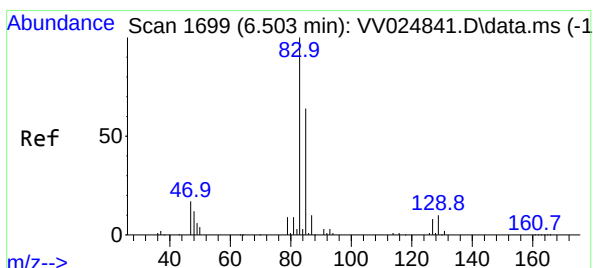
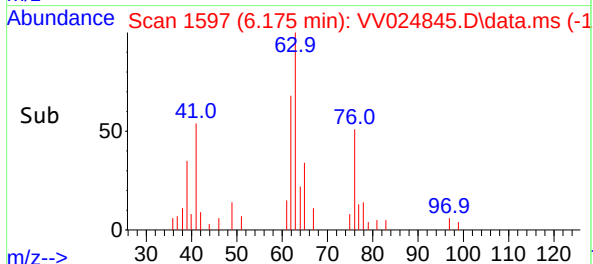
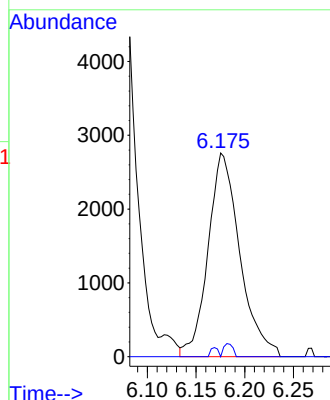
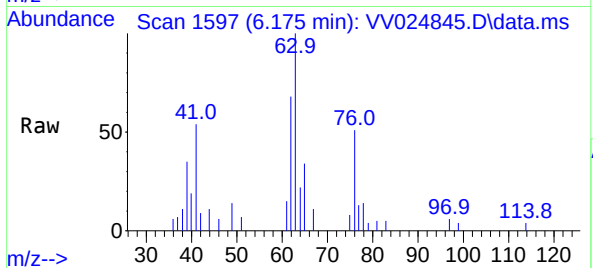
Tgt Ion: 63 Resp: 6260
Ion Ratio Lower Upper
63 100
112 1.0 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

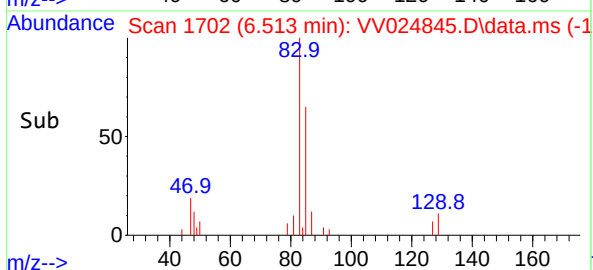
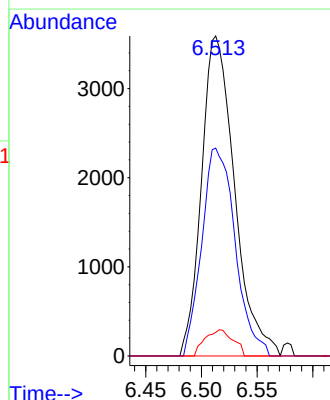
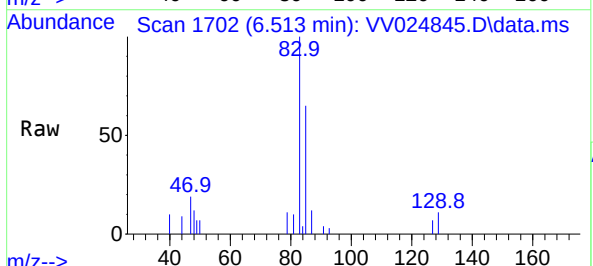
03/02/2022
Supervised By :Mahesh
Dadoda

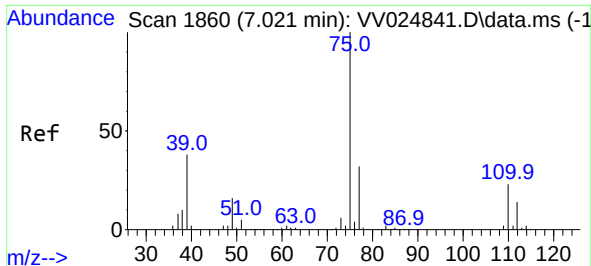
03/02/2022



#38
Bromodichloromethane
Concen: 2.204 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion: 83 Resp: 7418
Ion Ratio Lower Upper
83 100
85 64.9 44.5 82.7
127 7.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 1.978 ug/L

RT: 7.034 min Scan# 1864

Delta R.T. 0.013 min

Lab File: VV024845.D

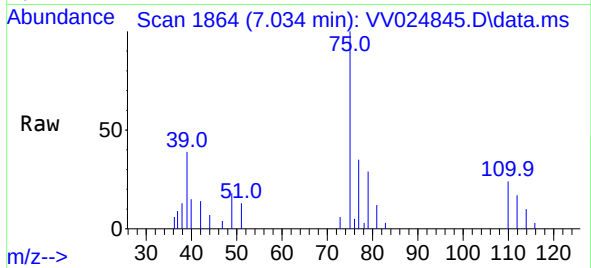
Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02



Tgt Ion: 75 Resp: 7648

Ion Ratio Lower Upper

75 100

77 34.8 22.9 42.5

Manual Integrations

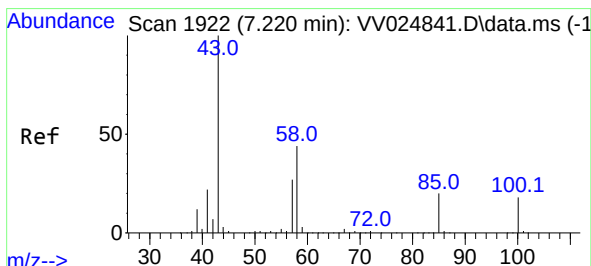
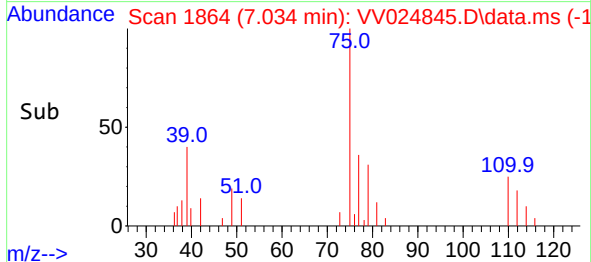
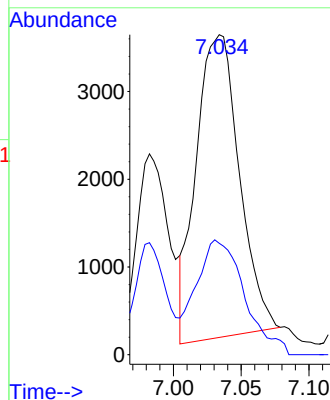
APPROVED

Reviewed By :John
Carlone

03/02/2022

Supervised By :Mahesh
Dadoda

03/02/2022



#40

4-Methyl-2-pentanone

Concen: 4.455 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.010 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

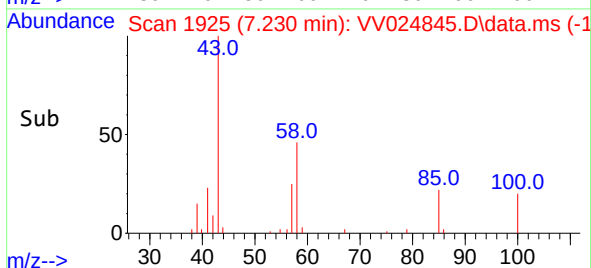
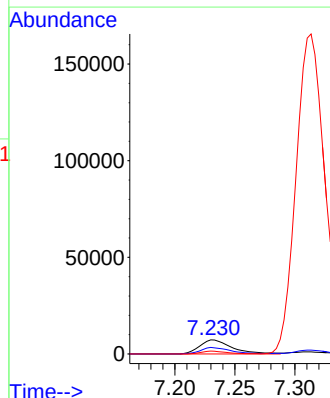
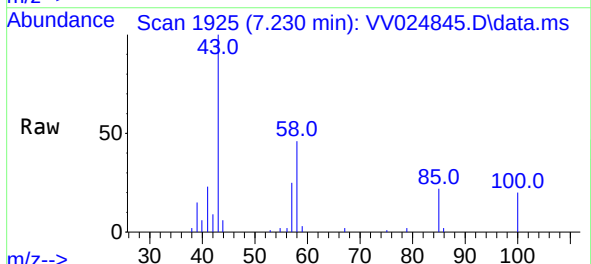
Tgt Ion: 43 Resp: 13643

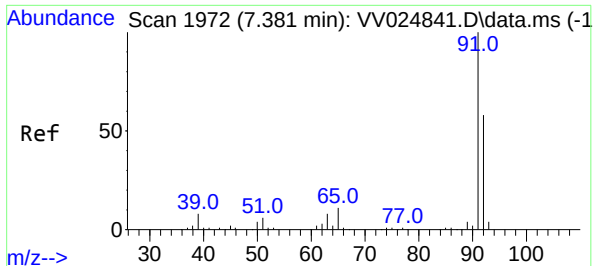
Ion Ratio Lower Upper

43 100

58 43.4 34.8 52.2

100 16.7 14.2 21.2





#42

Toluene

Concen: 3.038 ug/L

RT: 7.391 min Scan# 1972

Delta R.T. 0.010 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 91 Resp: 32449
 Ion Ratio Lower Upper
 91 100
 92 56.1 40.8 75.8

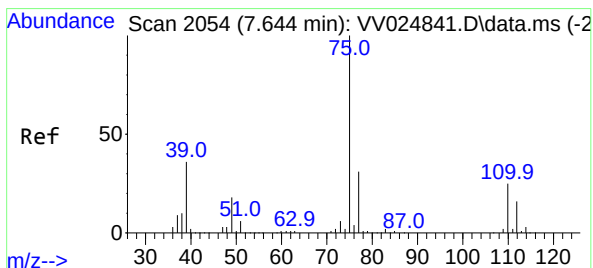
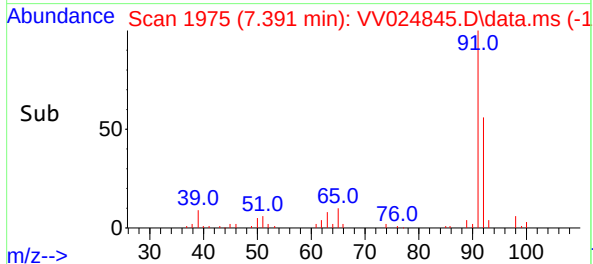
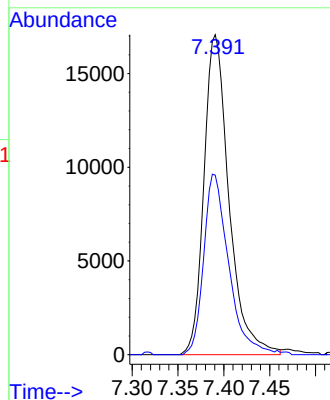
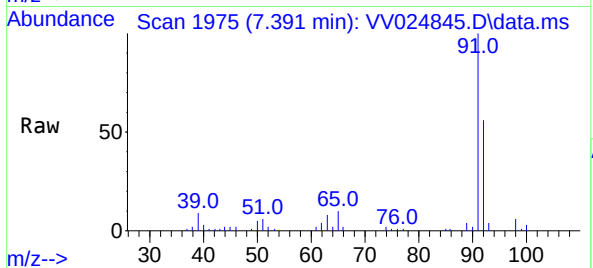
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/02/2022

Supervised By :Mahesh
 Dadoda

03/02/2022



#44

trans-1,3-Dichloropropene

Concen: 2.349 ug/L

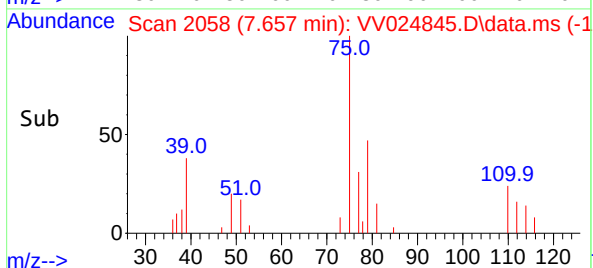
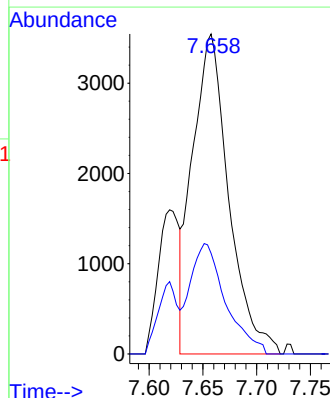
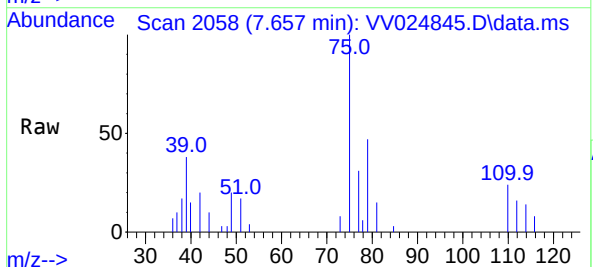
RT: 7.657 min Scan# 2058

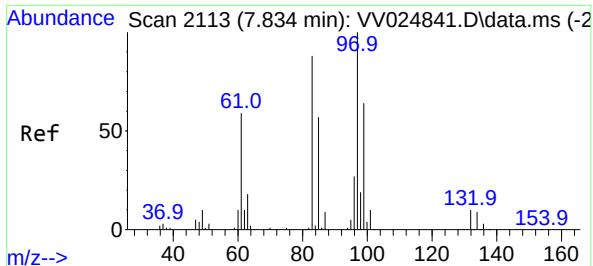
Delta R.T. 0.013 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

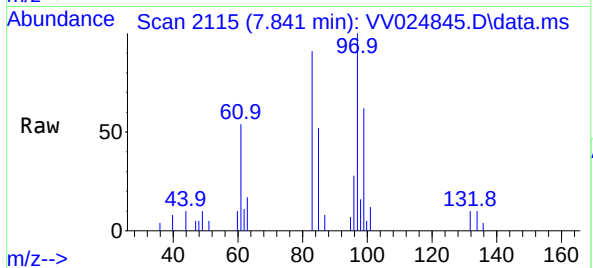
Tgt Ion: 75 Resp: 8343
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.9





#45
1,1,2-Trichloroethane
Concen: 2.342 ug/L
RT: 7.841 min Scan# 2113
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



Tgt Ion: 97 Resp: 584

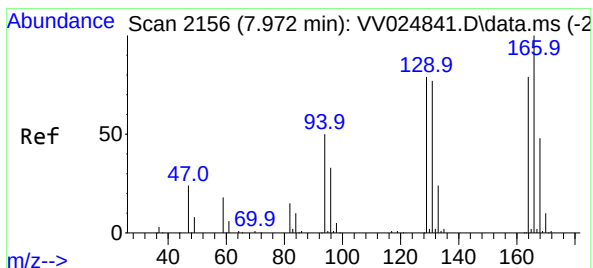
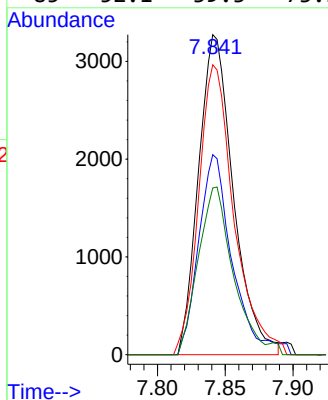
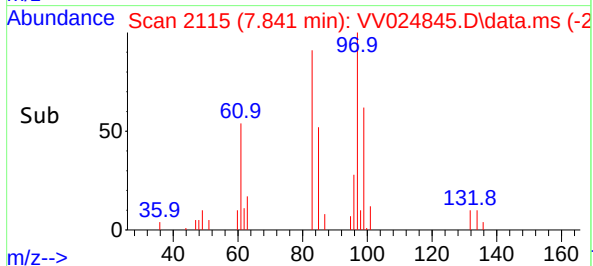
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.9	81.5
83	90.6	61.7	114.5
85	52.1	39.3	73.1

Manual Integrations
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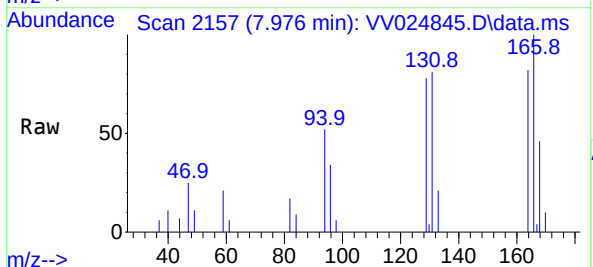
Reviewed By :John
Carlone

03/02/2022
Supervised By :Mahesh
Dadoda

03/02/2022

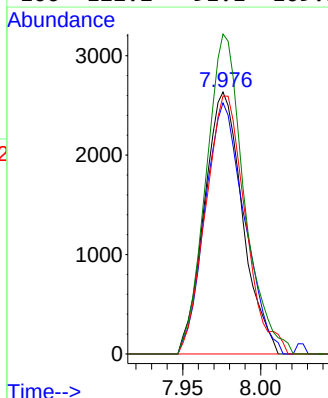
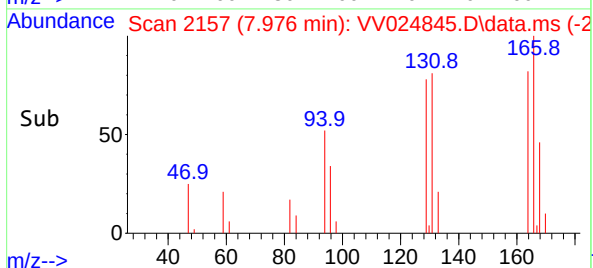


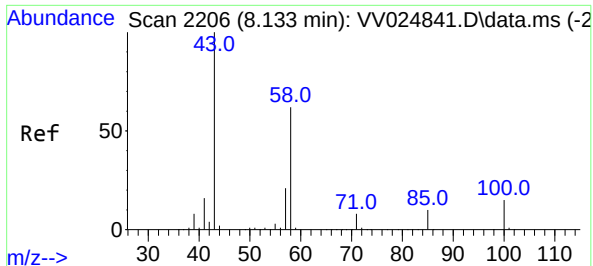
#46
Tetrachloroethene
Concen: 2.481 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48



Tgt Ion:164 Resp: 4496

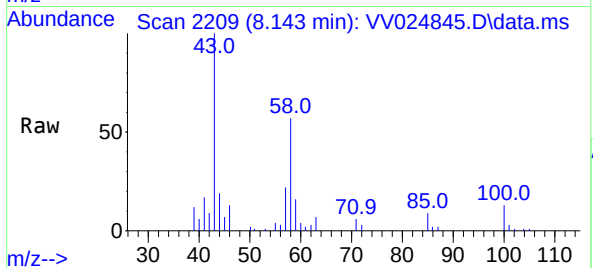
Ion	Ratio	Lower	Upper
164	100		
129	95.9	74.1	137.7
131	98.4	70.1	130.1
166	122.2	91.1	169.1





#48
2-Hexanone
Concen: 10.508 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



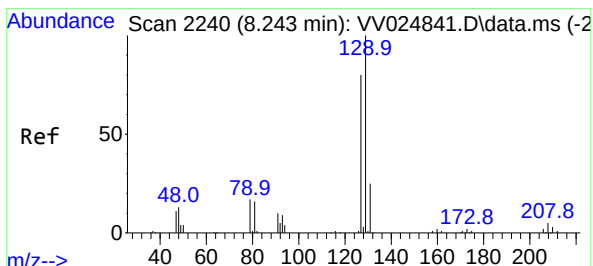
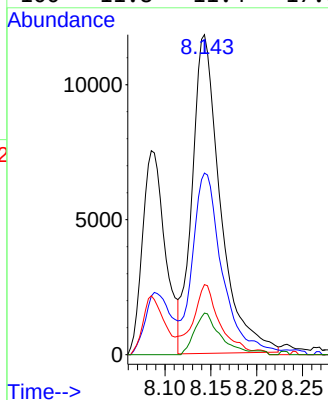
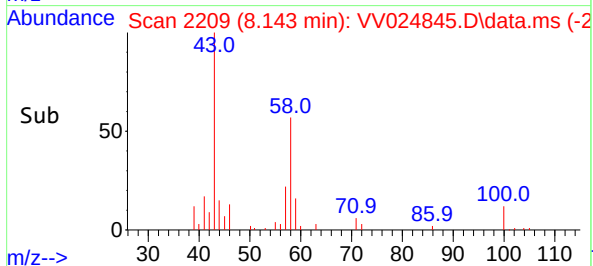
Tgt Ion: 43 Resp: 2532
Ion Ratio Lower Upper
43 100
58 50.3 48.6 72.8
57 19.7 16.5 24.7
100 11.8 11.4 17.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

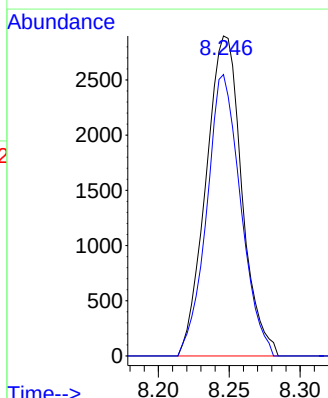
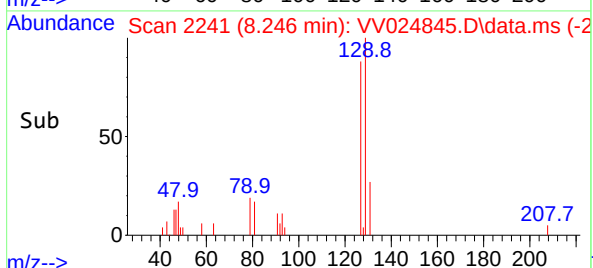
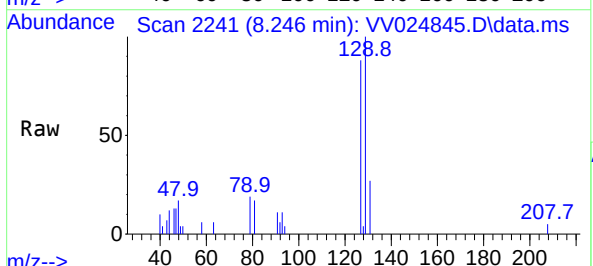
03/02/2022
Supervised By :Mahesh
Dadoda

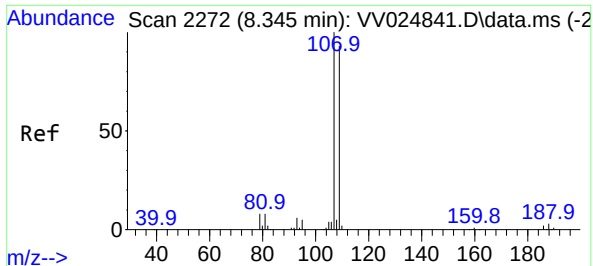
03/02/2022



#49
Dibromochloromethane
Concen: 2.117 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

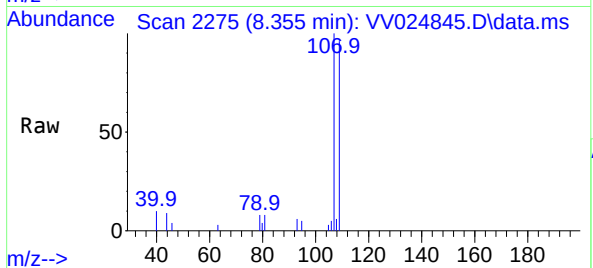
Tgt Ion:129 Resp: 5107
Ion Ratio Lower Upper
129 100
127 88.0 54.2 100.6





#50
1,2-Dibromoethane
Concen: 2.296 ug/L
RT: 8.355 min Scan# 2107
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



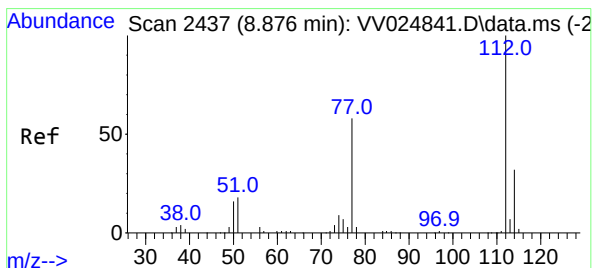
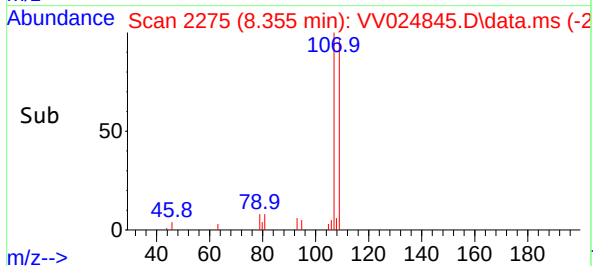
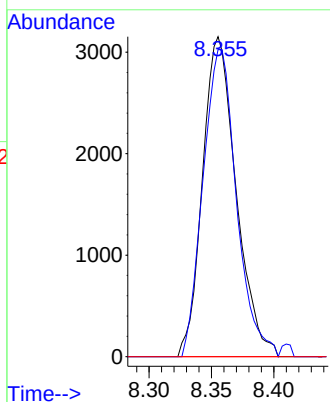
Tgt Ion:107 Resp: 5909
Ion Ratio Lower Upper
107 100
109 95.9 65.6 121.8
188 0.0 2.4 3.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

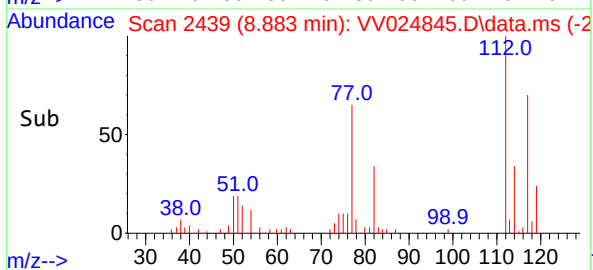
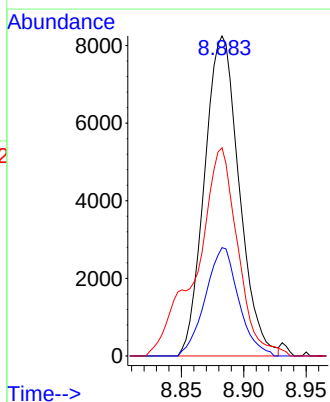
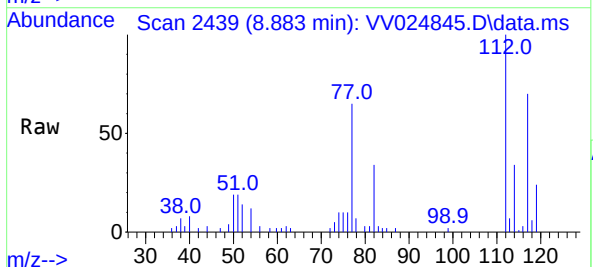
03/02/2022
Supervised By :Mahesh
Dadoda

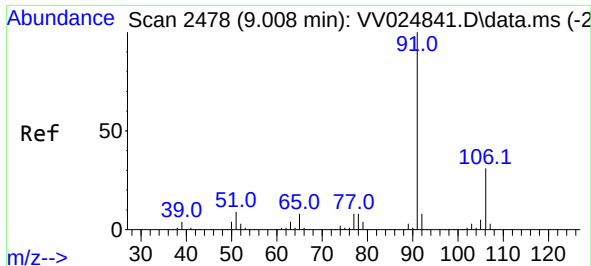
03/02/2022



#51
Chlorobenzene
Concen: 2.366 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:112 Resp: 15943
Ion Ratio Lower Upper
112 100
114 33.8 22.3 41.5
77 65.1 46.7 70.1





#52
Ethylbenzene
Concen: 2.310 ug/L
RT: 9.014 min Scan# 2478
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

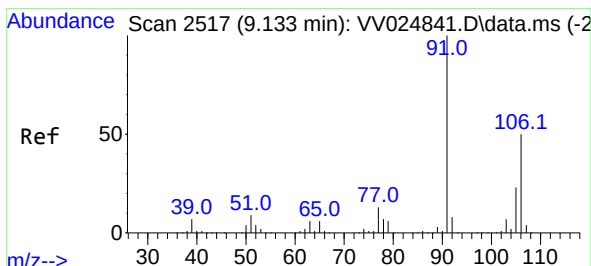
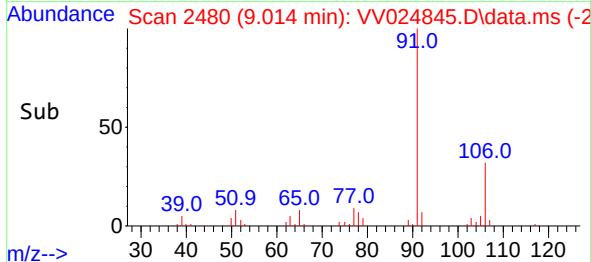
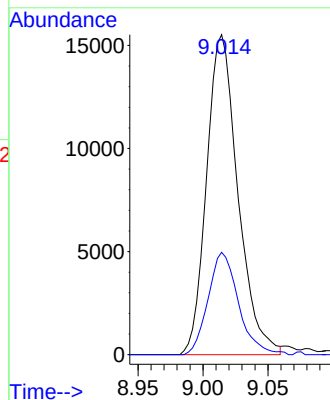
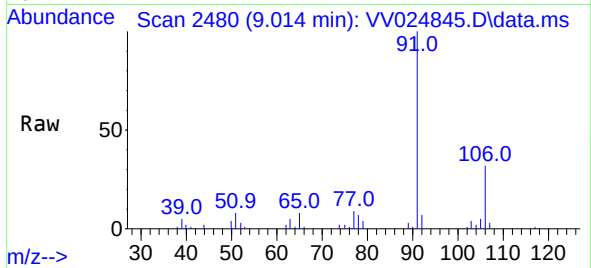
Tgt Ion: 91 Resp: 26030
Ion Ratio Lower Upper
91 100
106 32.0 21.6 40.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone

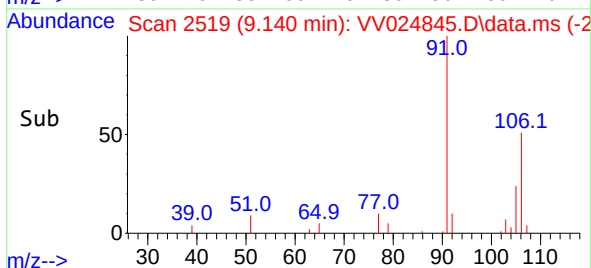
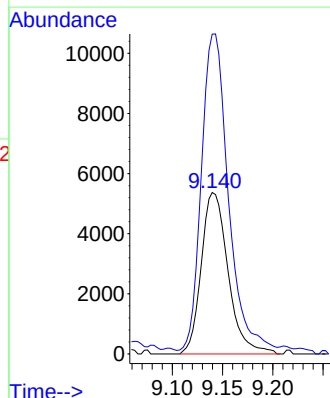
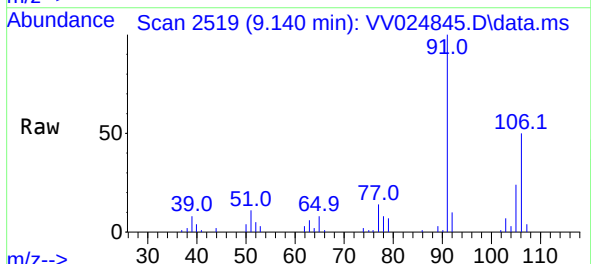
03/02/2022
Supervised By :Mahesh
Dadoda

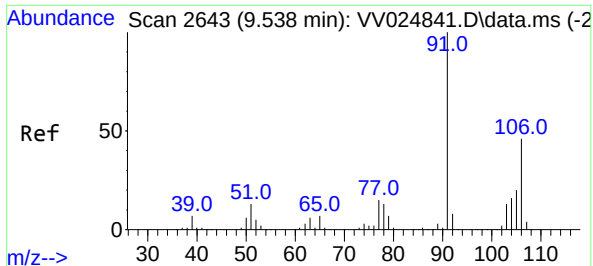
03/02/2022



#53
m,p-Xylene
Concen: 2.304 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:106 Resp: 9974
Ion Ratio Lower Upper
106 100
91 198.0 142.2 264.2





#54
o-Xylene
Concen: 2.422 ug/L
RT: 9.542 min Scan# 2651
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

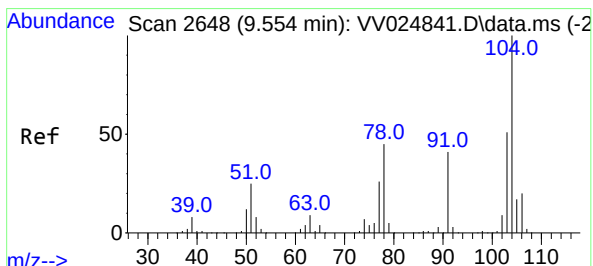
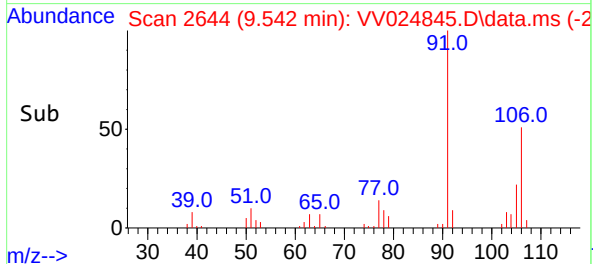
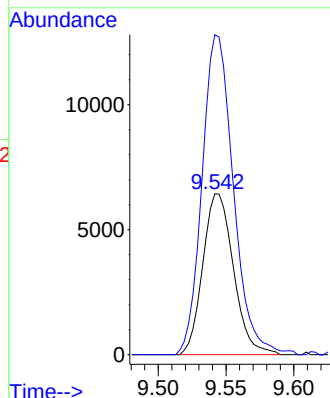
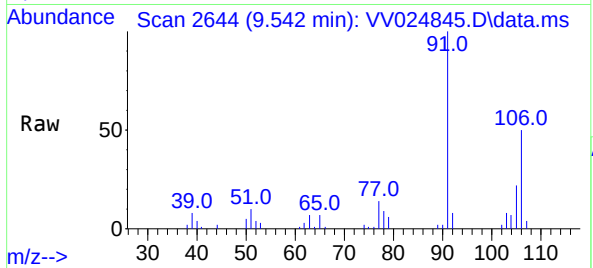
Tgt Ion:106 Resp: 1013
Ion Ratio Lower Upper
106 100
91 199.1 151.6 281.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

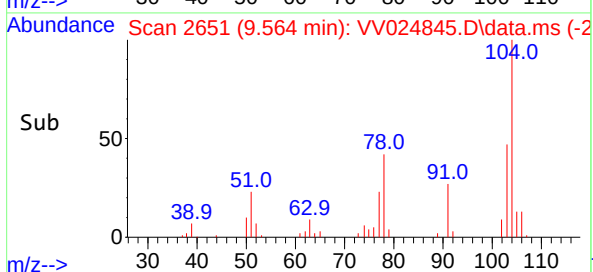
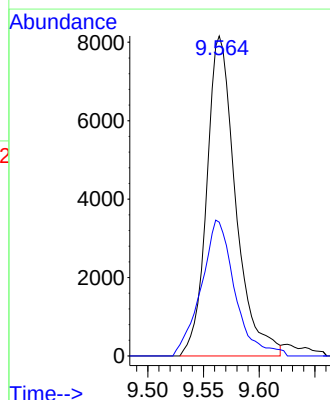
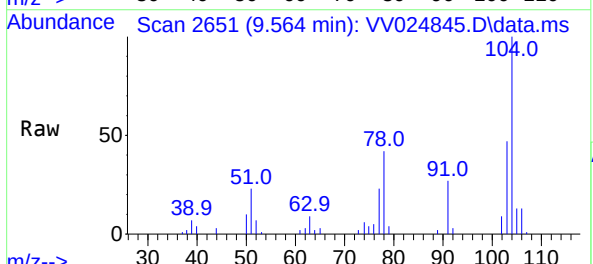
03/02/2022
Supervised By :Mahesh
Dadoda

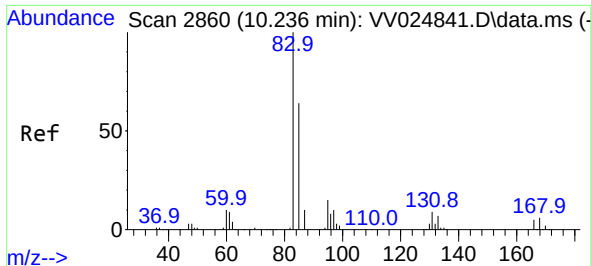
03/02/2022



#55
Styrene
Concen: 2.074 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.010 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

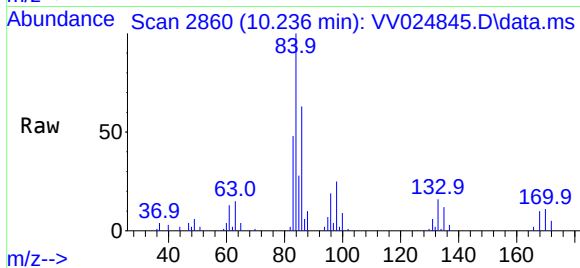
Tgt Ion:104 Resp: 14721
Ion Ratio Lower Upper
104 100
78 41.8 30.9 57.3





#57
1,1,2,2-Tetrachloroethane
Concen: 2.720 ug/L
RT: 10.236 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



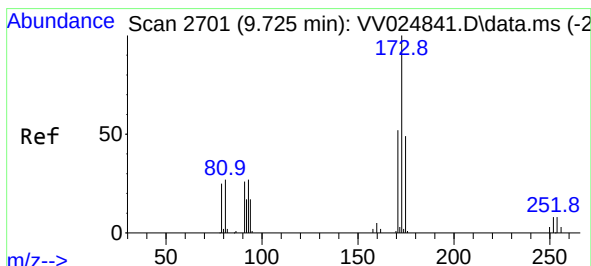
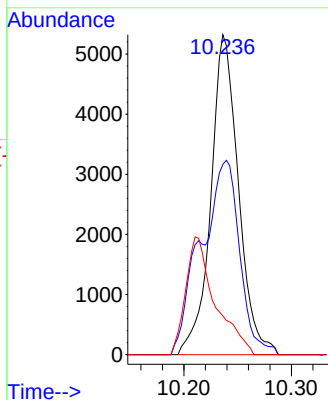
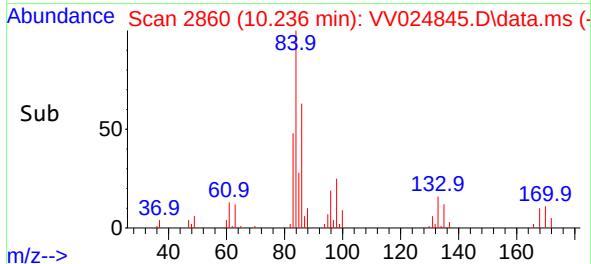
Tgt Ion: 83 Resp: 949
Ion Ratio Lower Upper
83 100
85 59.4 44.2 82.2
131 12.1 7.0 10.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

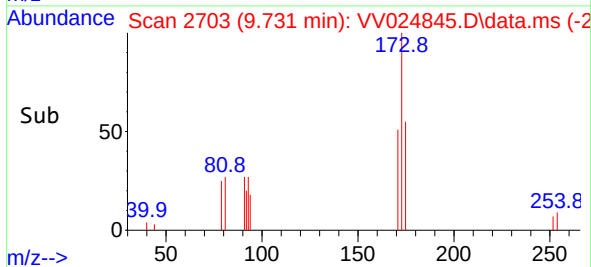
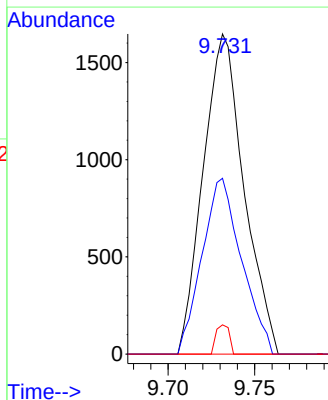
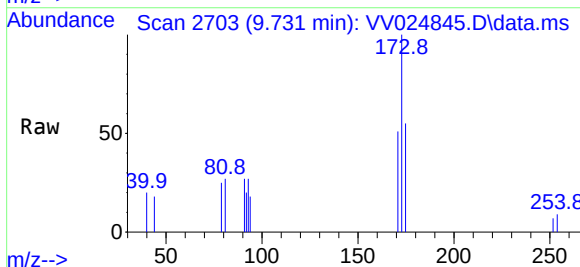
03/02/2022
Supervised By :Mahesh
Dadoda

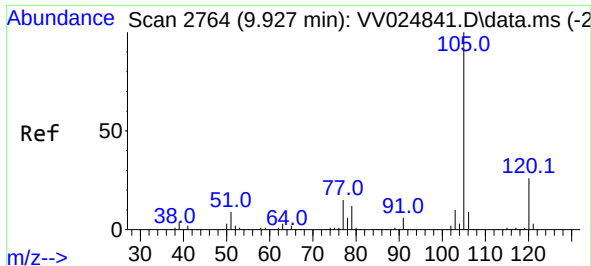
03/02/2022



#59
Bromoform
Concen: 2.052 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:173 Resp: 2695
Ion Ratio Lower Upper
173 100
175 53.1 37.9 56.9
254 3.0 6.2 9.4





#60
Isopropylbenzene
Concen: 2.387 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

Tgt Ion: 105 Resp: 2499

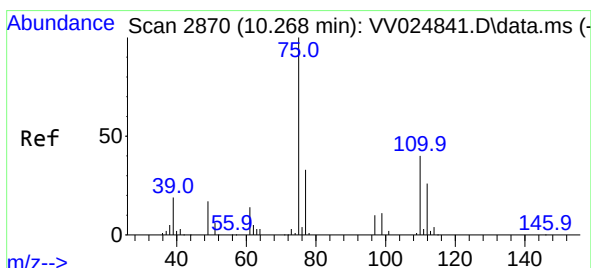
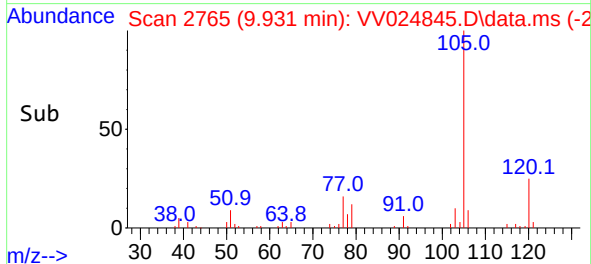
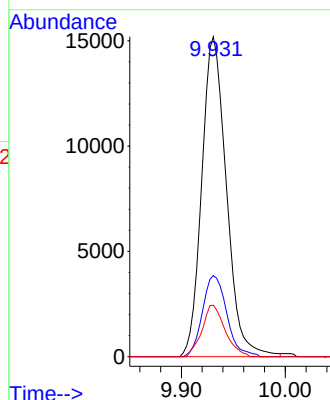
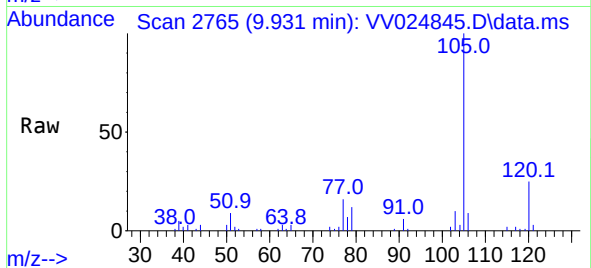
Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.6	31.0
77	15.1	12.3	18.5

Manual Integrations
APPROVED

Reviewed By : John
Carlone

03/02/2022
Supervised By : Mahesh
Dadoda

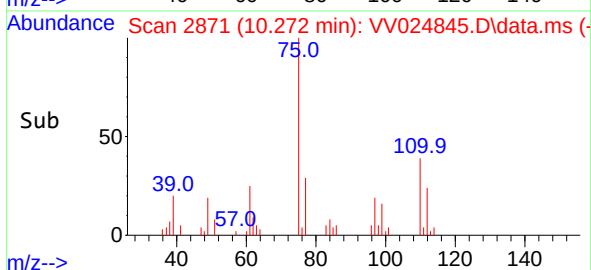
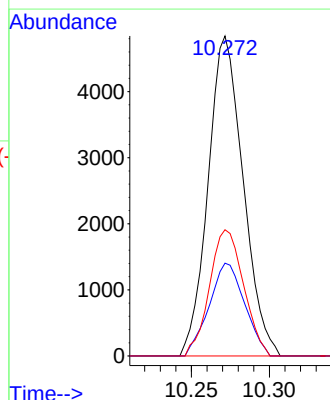
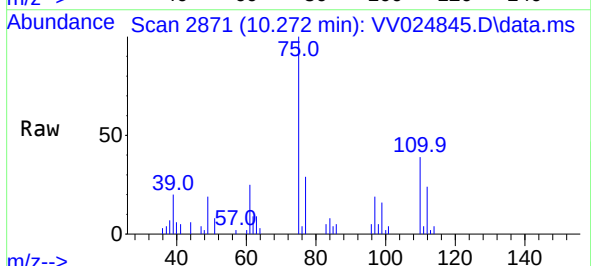
03/02/2022

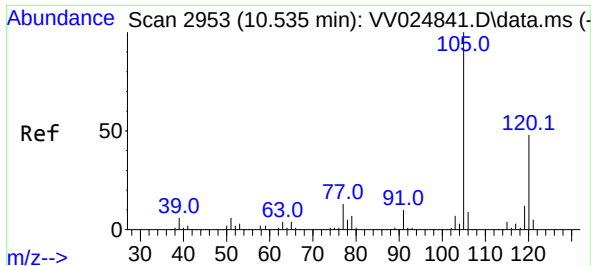


#61
1,2,3-Trichloropropane
Concen: 2.625 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion: 75 Resp: 7571

Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.4	38.0
110	38.3	31.4	47.2





#62
1,3,5-Trimethylbenzene
Concen: 2.265 ug/L
RT: 10.538 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02

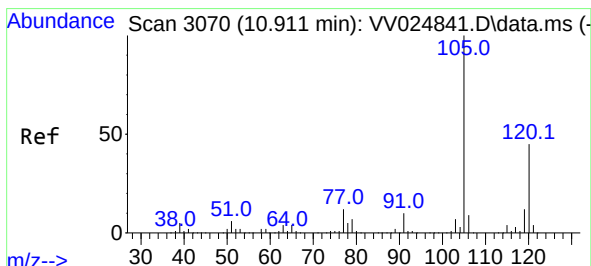
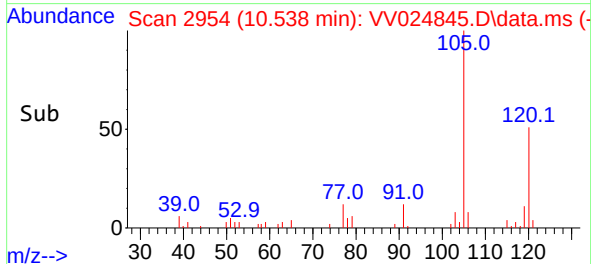
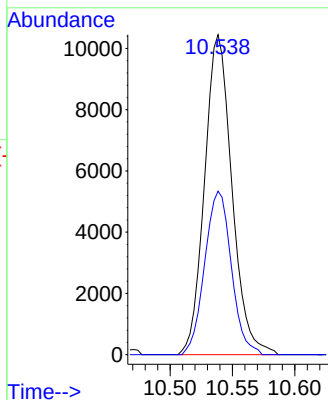
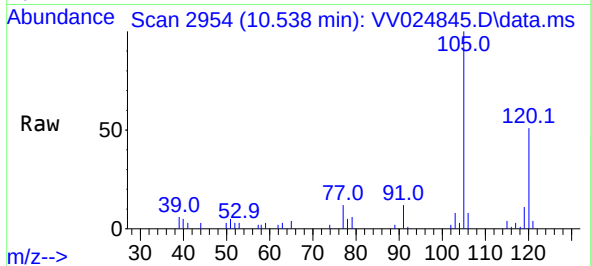
Tgt Ion:105 Resp: 1600
Ion Ratio Lower Upper
105 100
120 49.7 38.6 58.0

Manual Integrations
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Reviewed By :John
Carlone

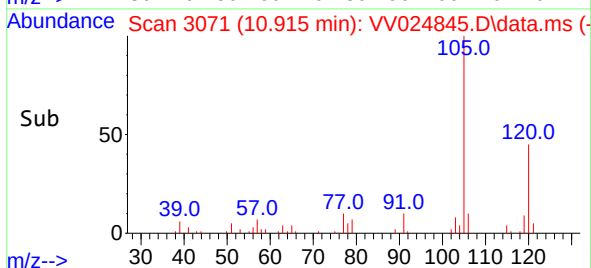
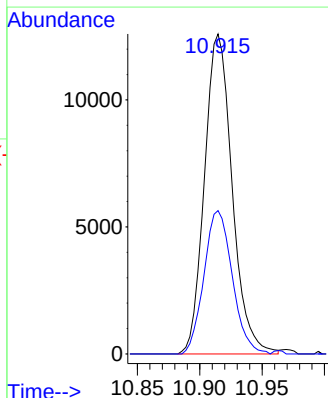
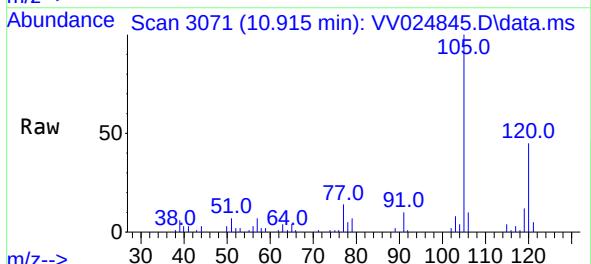
03/02/2022
Supervised By :Mahesh
Dadoda

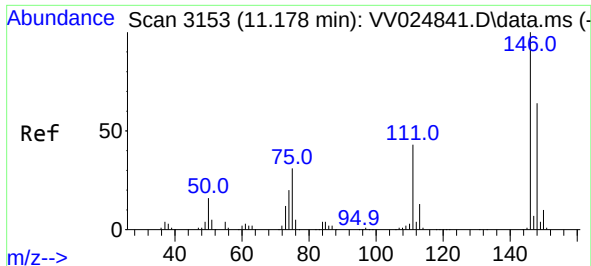
03/02/2022



#63
1,2,4-Trimethylbenzene
Concen: 2.249 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

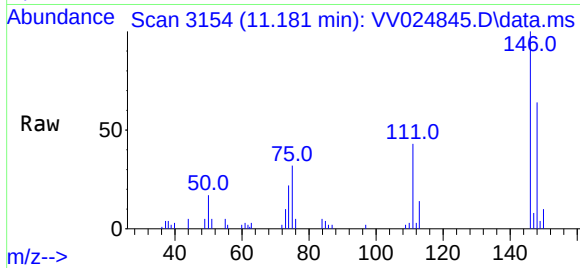
Tgt Ion:105 Resp: 19475
Ion Ratio Lower Upper
105 100
120 45.8 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.473 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



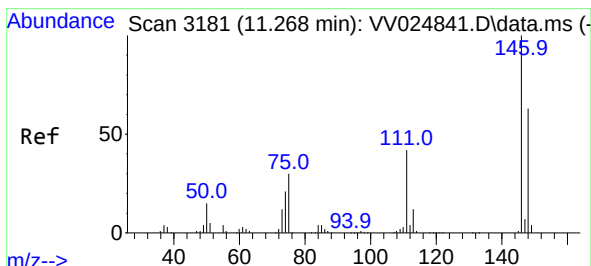
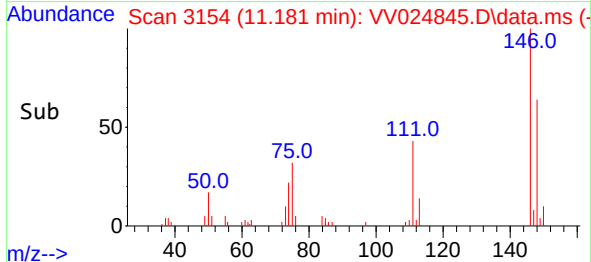
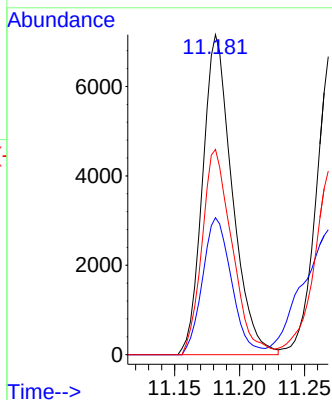
Tgt Ion:146 Resp: 11360
Ion Ratio Lower Upper
146 100
111 42.8 29.7 55.1
148 64.2 43.9 81.5

Manual Integrations
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Reviewed By :John
Carlone

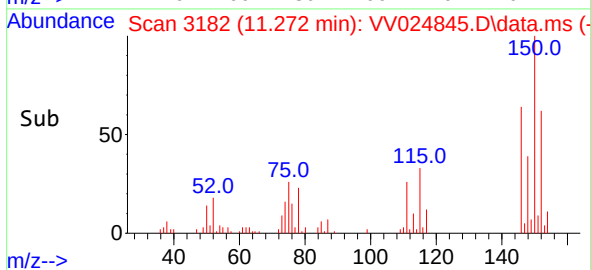
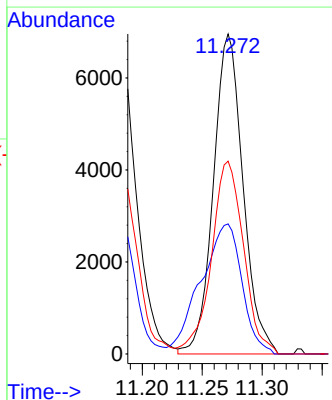
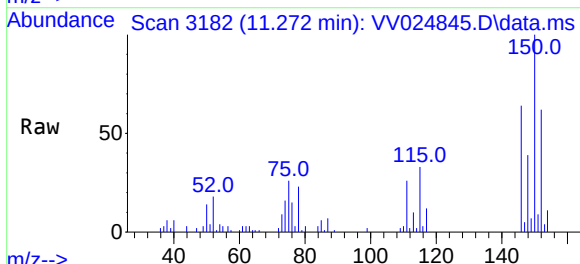
03/02/2022
Supervised By :Mahesh
Dadoda

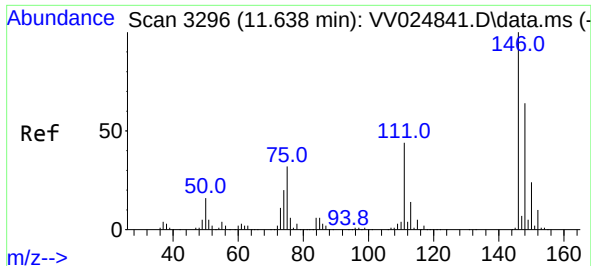
03/02/2022



#65
1,4-Dichlorobenzene
Concen: 2.540 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:146 Resp: 11949
Ion Ratio Lower Upper
146 100
111 40.7 28.6 53.0
148 60.2 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 2.568 ug/L

RT: 11.641 min Scan# 3296

Delta R.T. 0.003 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02

Tgt Ion:146 Resp: 11874

Ion	Ratio	Lower	Upper
146	100		
111	46.3	34.9	52.3
148	64.9	51.4	77.2

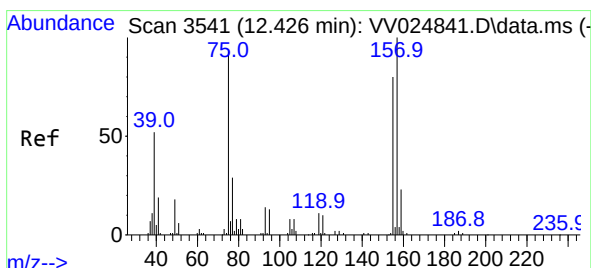
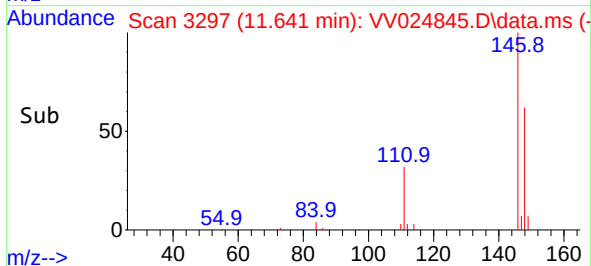
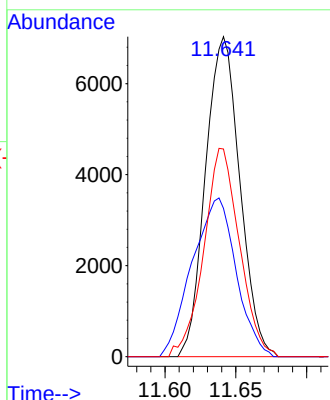
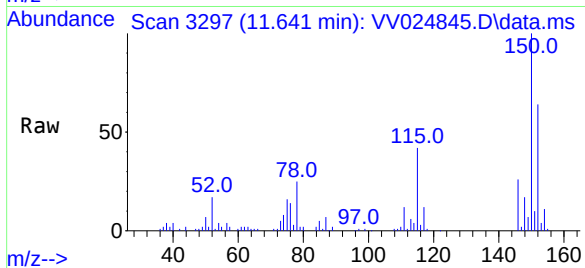
Manual Integrations
APPROVED

Reviewed By :John
Carlone

03/02/2022

Supervised By :Mahesh
Dadoda

03/02/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.086 ug/L

RT: 12.426 min Scan# 3541

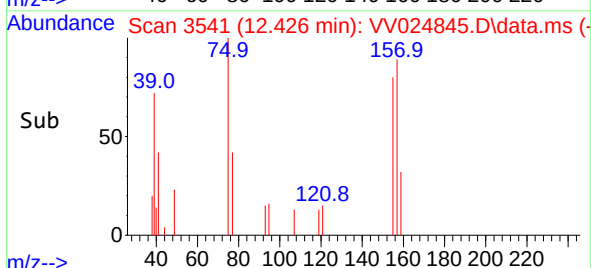
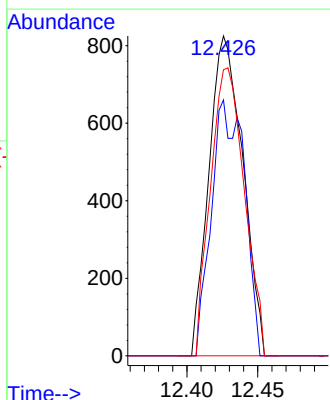
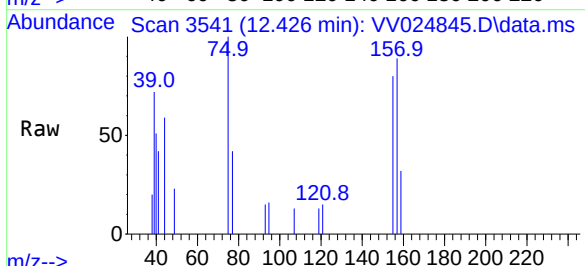
Delta R.T. 0.000 min

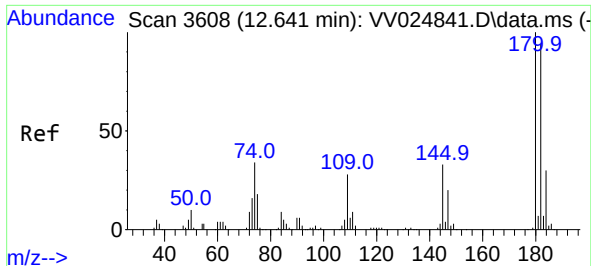
Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

Tgt Ion: 75 Resp: 1374

Ion	Ratio	Lower	Upper
75	100		
155	80.0	63.8	95.8
157	89.5	79.3	118.9





#69

1,3,5-Trichlorobenzene

Concen: 2.394 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV024845.D

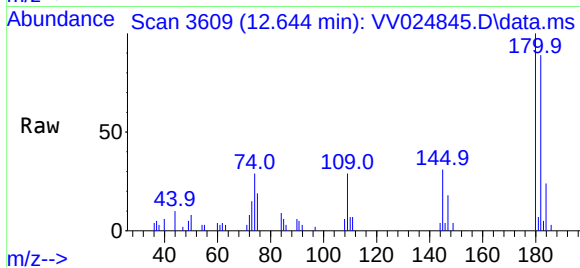
Acq: 01 Mar 2022 13:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-02



Tgt Ion:180 Resp: 742

Ion Ratio Lower Upper

180 100

182 89.3 75.1 112.7

184 27.2 23.9 35.9

145 31.9 26.1 39.1

Manual Integrations

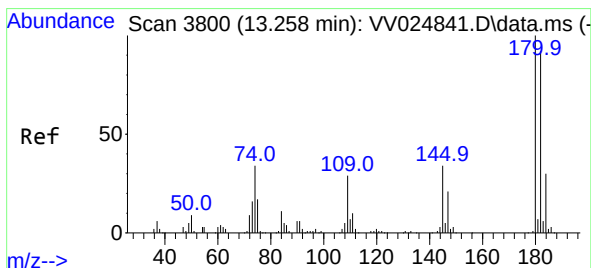
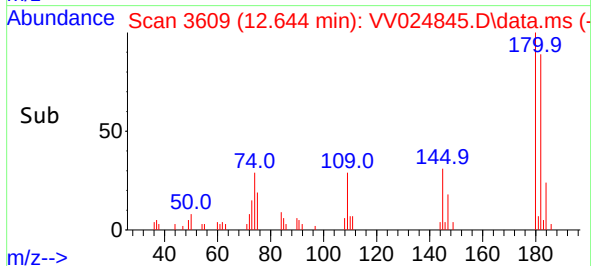
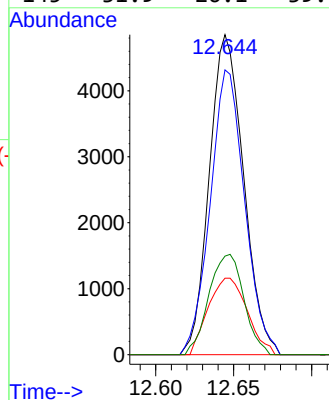
APPROVED

Reviewed By :John
Carlone

03/02/2022

Supervised By :Mahesh
Dadoda

03/02/2022



#70

1,2,4-trichlorobenzene

Concen: 2.335 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV024845.D

Acq: 01 Mar 2022 13:48

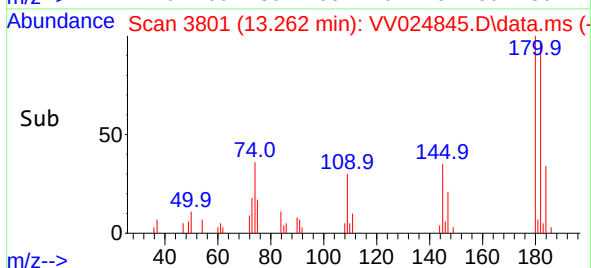
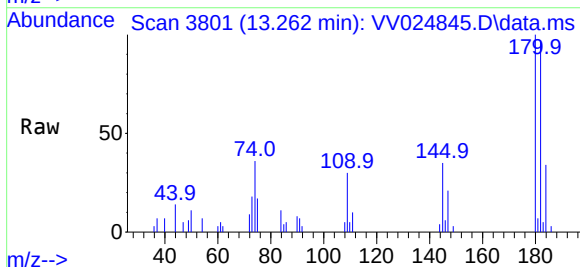
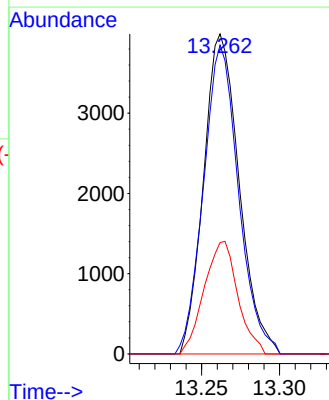
Tgt Ion:180 Resp: 6310

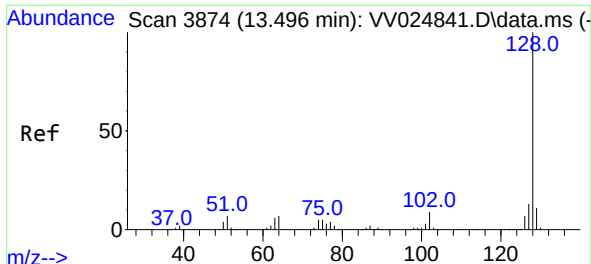
Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

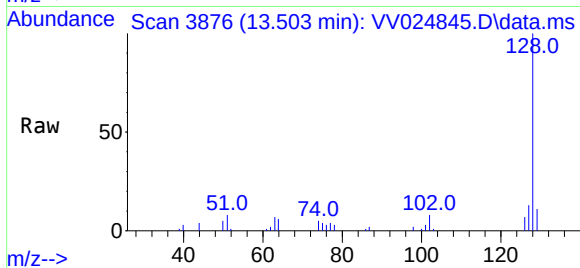
145 33.3 27.6 41.4





#71
Naphthalene
Concen: 2.232 ug/L
RT: 13.503 min Scan# 3874
Delta R.T. 0.007 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-02



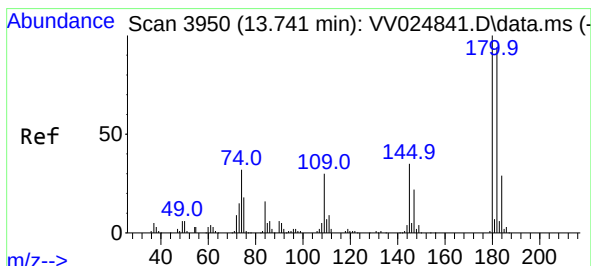
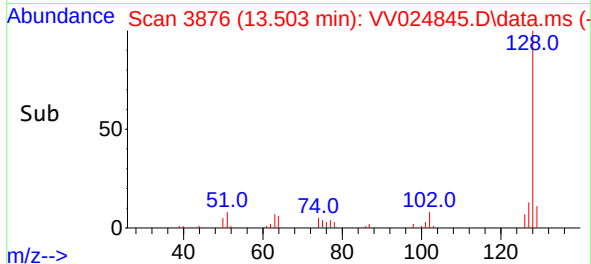
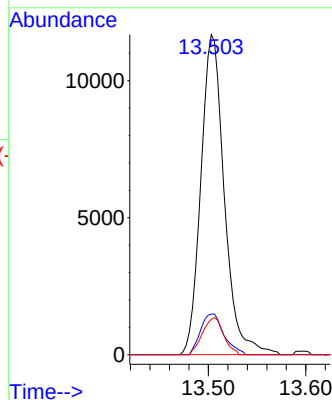
Tgt Ion:128 Resp: 1954
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

03/02/2022
Supervised By :Mahesh
Dadoda

03/02/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.405 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024845.D
Acq: 01 Mar 2022 13:48

Tgt Ion:180 Resp: 6407
Ion Ratio Lower Upper
180 100
182 94.9 75.9 113.9
145 36.6 28.7 43.1

