

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022822\
 Data File : VW024838.D
 Acq On : 28 Feb 2022 16:43
 Operator : SY/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Mar 01 02:58:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 01 01:37:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	326192	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	313412	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	146918	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	142233	42.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.760%		
7) Chloroethane-d5	1.568	69	117603	45.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.380%		
11) 1,1-Dichloroethene-d2	2.108	63	194054	34.858	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.720%		
21) 2-Butanone-d5	3.889	46	178908	94.782	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.780%		
24) Chloroform-d	4.349	84	262700	45.372	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.740%		
26) 1,2-Dichloroethane-d4	5.030	65	162547	47.582	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.160%		
32) Benzene-d6	5.050	84	552419	47.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.100%		
36) 1,2-Dichloropropane-d6	6.069	67	176431	48.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.500%		
41) Toluene-d8	7.313	98	482983	46.930	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.860%		
43) trans-1,3-Dichloroprop...	7.619	79	72698	46.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.460%		
47) 2-Hexanone-d5	8.085	63	133896	97.464	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.460%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	209263	48.747	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.500%		
66) 1,2-Dichlorobenzene-d4	11.622	152	165648	48.946	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	6430	2.088	ug/L	100
3) Chloromethane	1.243	50	8511	2.671	ug/L	97
5) Vinyl chloride	1.310	62	8255	2.525	ug/L #	69
6) Bromomethane	1.523	94	5515	2.824	ug/L	97
8) Chloroethane	1.587	64	4613	2.408	ug/L	95
9) Trichlorofluoromethane	1.754	101	9223	2.206	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	6751	2.723	ug/L #	85
12) 1,1-Dichloroethene	2.117	96	6643	2.751	ug/L #	1
13) Acetone	2.185	43	6123	4.248	ug/L	78
14) Carbon disulfide	2.297	76	17902	2.427	ug/L	98
15) Methyl Acetate	2.445	43	5818	2.350	ug/L	98
16) Methylene chloride	2.510	84	6837	2.418	ug/L	94
17) trans-1,2-Dichloroethene	2.767	96	5862	2.245	ug/L	97
18) Methyl tert-butyl Ether	2.773	73	18538	2.328	ug/L	99
19) 1,1-Dichloroethane	3.191	63	11055	2.348	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	6745	2.386	ug/L	98
22) 2-Butanone	3.998	43	8567m	5.183	ug/L	
23) Bromochloromethane	4.256	128	3068	2.170	ug/L	86
25) Chloroform	4.378	83	13571	2.775	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	7964	2.333	ug/L	97
29) Cyclohexane	4.677	56	8814	2.150	ug/L	89
30) 1,1,1-Trichloroethane	4.609	97	9393	2.276	ug/L	99
31) Carbon tetrachloride	4.828	117	7564	2.156	ug/L	99
33) Benzene	5.104	78	24121	2.280	ug/L	100
34) Trichloroethene	5.915	95	7065	2.437	ug/L	92
35) Methylcyclohexane	6.133	83	9510	2.162	ug/L	96
37) 1,2-Dichloropropane	6.178	63	6652	2.506	ug/L #	92
38) Bromodichloromethane	6.516	83	7534	2.166	ug/L	99
39) cis-1,3-Dichloropropene	7.037	75	9302	2.329	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	13776	4.353	ug/L	97
42) Toluene	7.391	91	32578	2.952	ug/L	97
44) trans-1,3-Dichloropropene	7.657	75	8520	2.322	ug/L	99
45) 1,1,2-Trichloroethane	7.844	97	6086	2.360	ug/L	96
46) Tetrachloroethene	7.979	164	3886	2.075	ug/L	96
48) 2-Hexanone	8.143	43	20889	8.388	ug/L	99
49) Dibromochloromethane	8.249	129	5438	2.182	ug/L	98
50) 1,2-Dibromoethane	8.355	107	6184	2.325	ug/L #	98
51) Chlorobenzene	8.882	112	15917	2.286	ug/L	99
52) Ethylbenzene	9.014	91	26004	2.234	ug/L	98
53) m,p-Xylene	9.140	106	9735	2.176	ug/L	95
54) o-Xylene	9.545	106	9229	2.135	ug/L	100
55) Styrene	9.564	104	15091	2.058	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	9655	2.677	ug/L #	92
59) Bromoform	9.731	173	2624	1.961	ug/L #	97
60) Isopropylbenzene	9.931	105	24086	2.257	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	7307	2.486	ug/L	95
62) 1,3,5-Trimethylbenzene	10.538	105	15976	2.219	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	19526	2.213	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	11057	2.362	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	11436	2.386	ug/L	93
67) 1,2-Dichlorobenzene	11.641	146	11548	2.451	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.429	75	1442	2.149	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	6533	2.067	ug/L	94
70) 1,2,4-trichlorobenzene	13.262	180	6280	2.281	ug/L	98
71) Naphthalene	13.503	128	20198	2.264	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	6319	2.327	ug/L	98

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

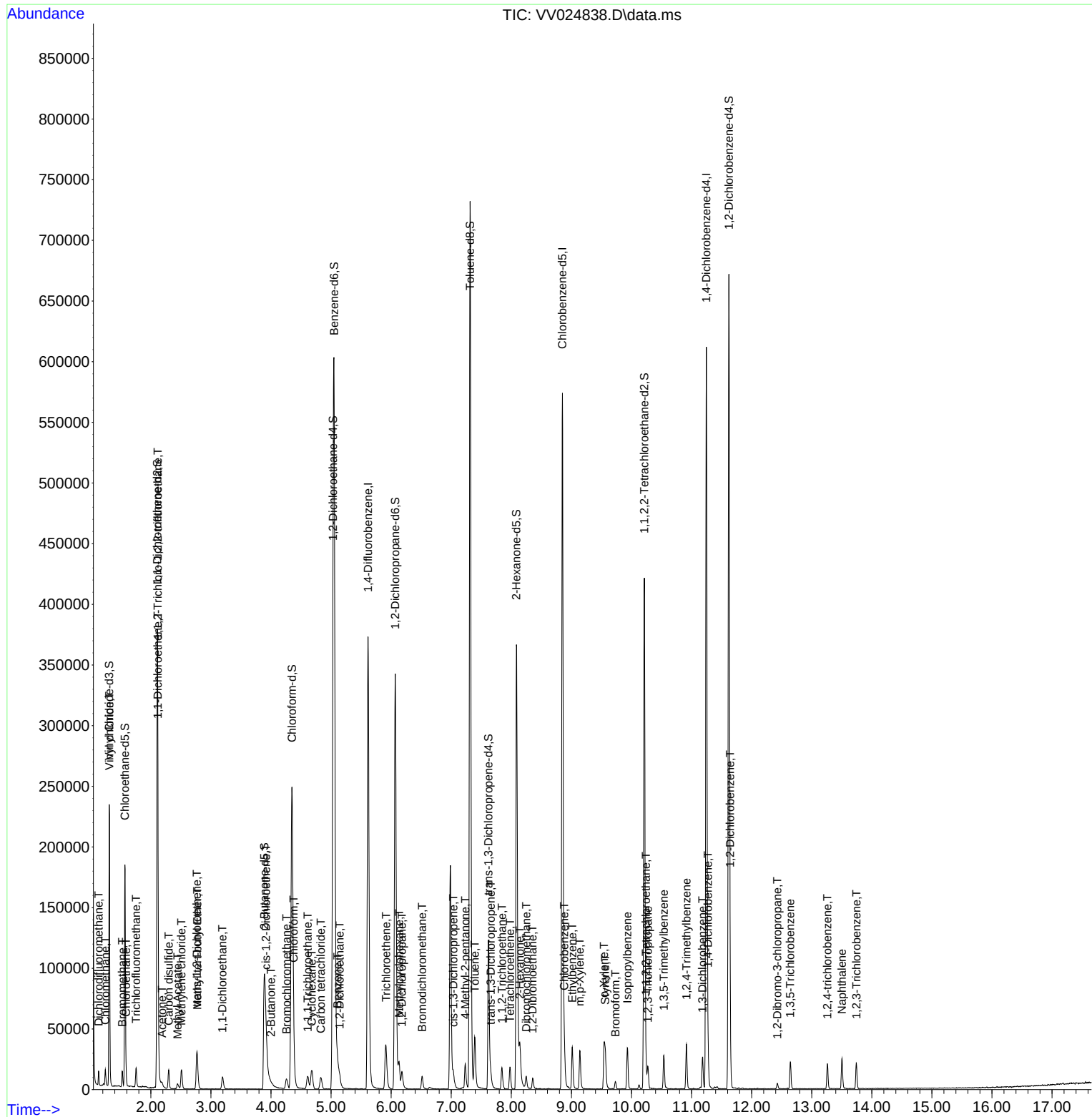
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV022822\
 Data File : VV024838.D
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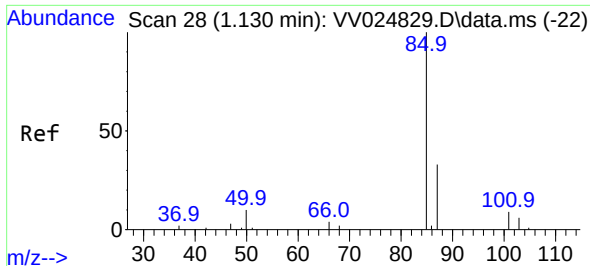
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Manual Integrations APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

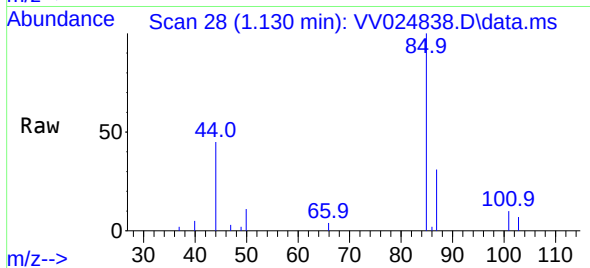
Quant Time: Mar 01 02:58:52 2022
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 Quant Title : VOC Analysis
 QLast Update : Tue Mar 01 01:37:50 2022
 Response via : Initial Calibration





#2
 Dichlorodifluoromethane
 Concen: 2.088 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43

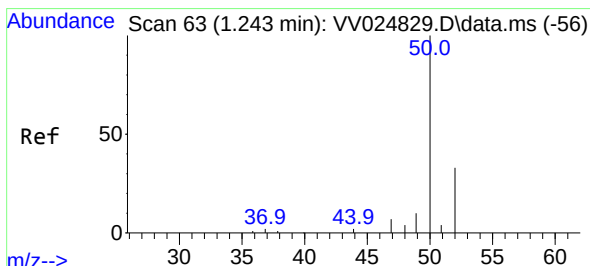
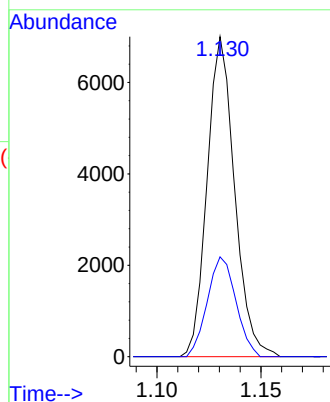
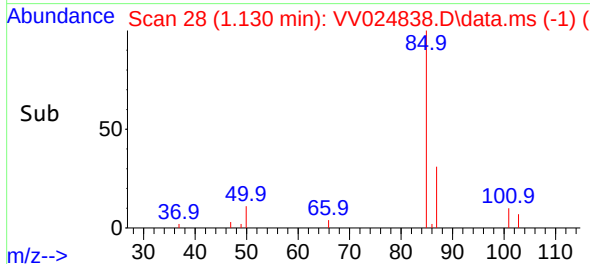
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01



Tgt Ion: 85 Resp: 6430
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8

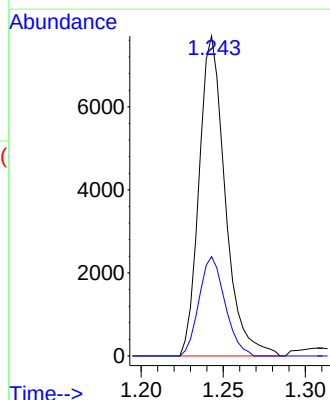
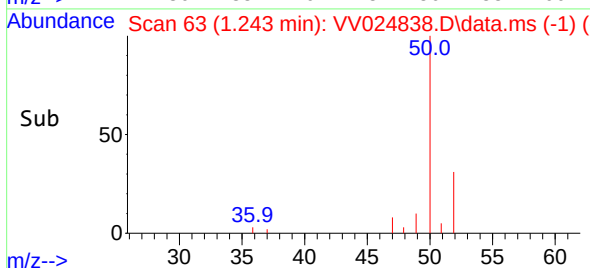
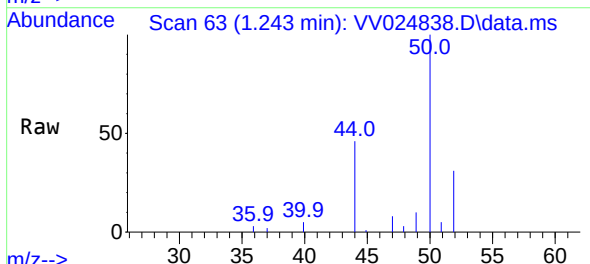
Manual Integrations
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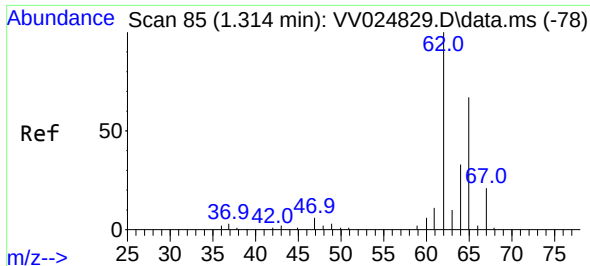
Reviewed By :John Carlone 03/01/2022
 Supervised By :Mahesh Dadoda 03/01/2022



#3
 Chloromethane
 Concen: 2.671 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43

Tgt Ion: 50 Resp: 8511
 Ion Ratio Lower Upper
 50 100
 52 31.1 22.8 42.4





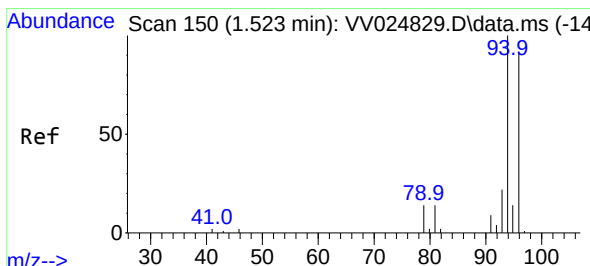
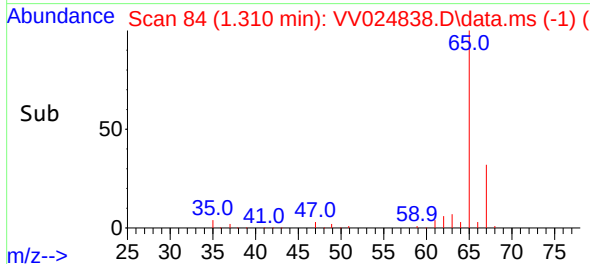
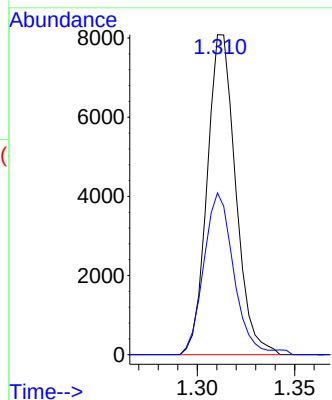
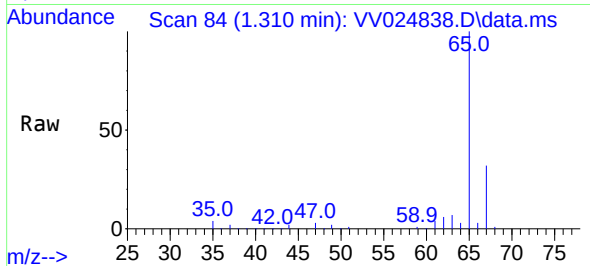
#5
 Vinyl chloride
 Concen: 2.525 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 62 Resp: 825
 Ion Ratio Lower Upper
 62 100
 64 50.5 23.2 43.0

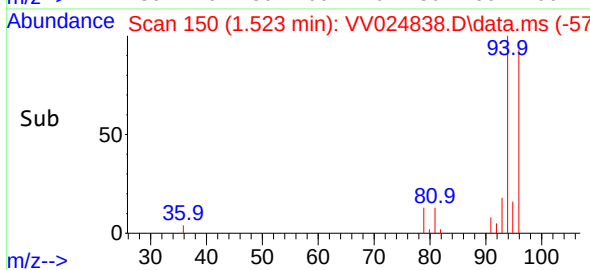
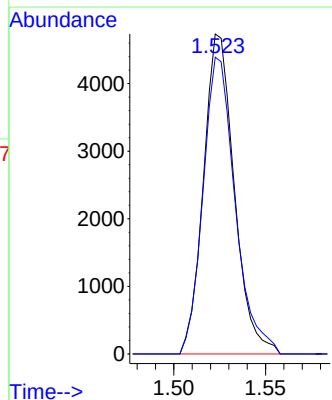
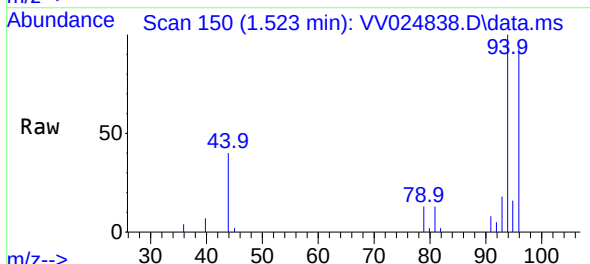
Manual Integrations
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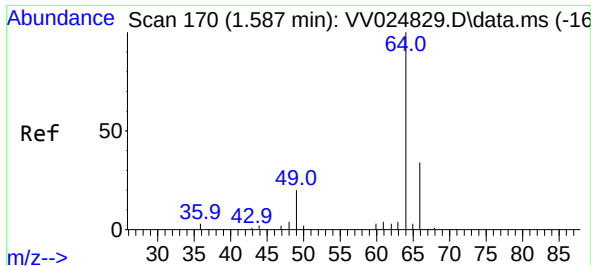
Reviewed By :John Carlone 03/01/2022
 Supervised By :Mahesh Dadoda 03/01/2022



#6
 Bromomethane
 Concen: 2.824 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43

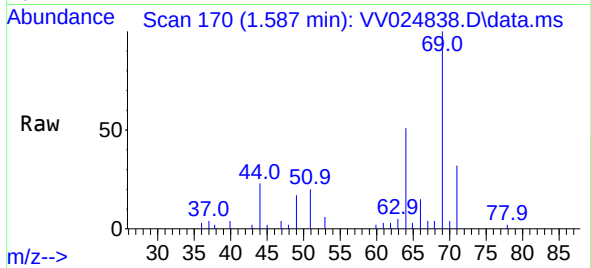
Tgt Ion: 94 Resp: 5515
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.7 123.9





#8
Chloroethane
Concen: 2.408 ug/L
RT: 1.587 min Scan# 170
Delta R.T. -0.000 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

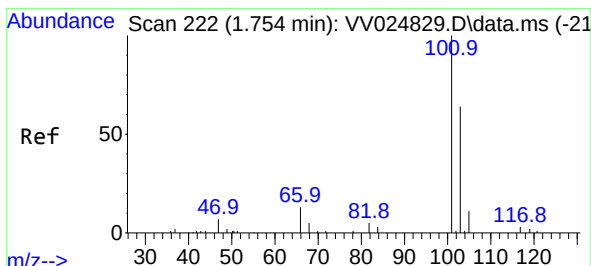
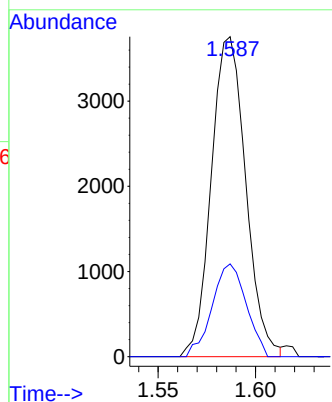
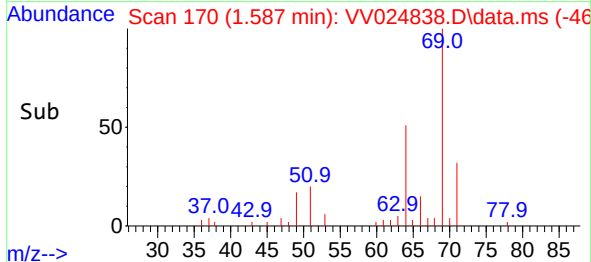
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



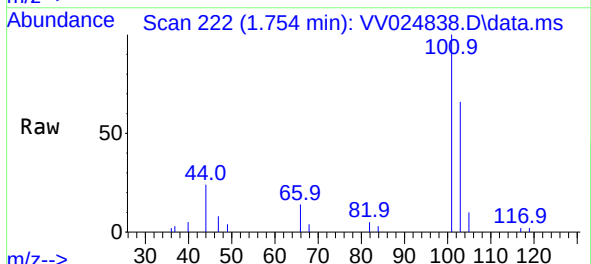
Tgt Ion: 64 Resp: 461
Ion Ratio Lower Upper
64 100
66 29.0 22.2 41.2

Manual Integrations
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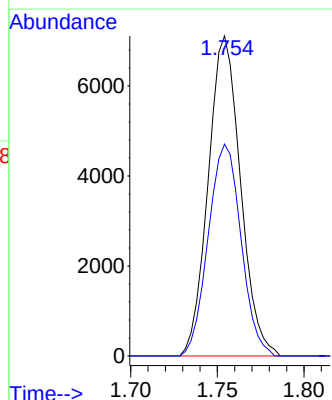
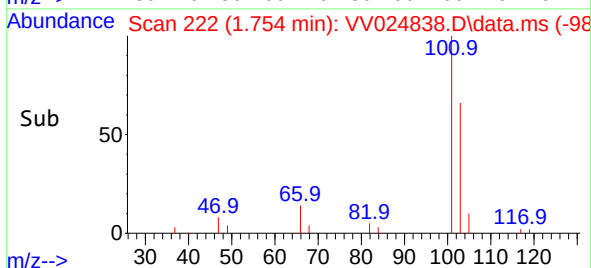
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

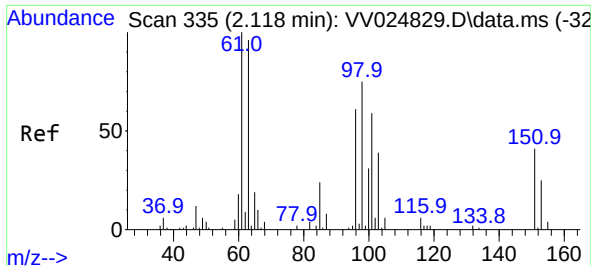


#9
Trichlorofluoromethane
Concen: 2.206 ug/L
RT: 1.754 min Scan# 222
Delta R.T. -0.000 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion:101 Resp: 9223
Ion Ratio Lower Upper
101 100
103 67.2 52.1 78.1





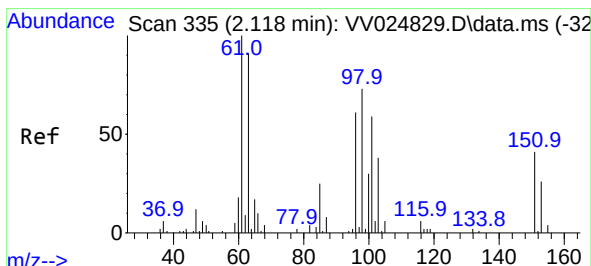
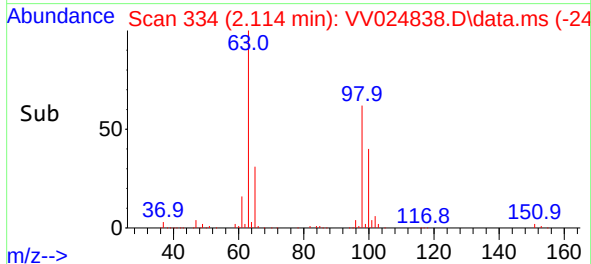
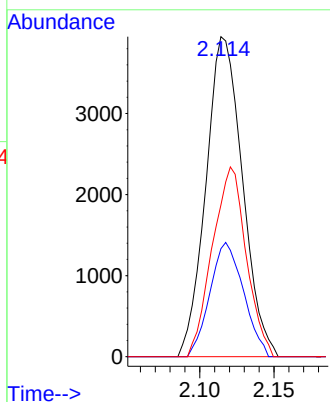
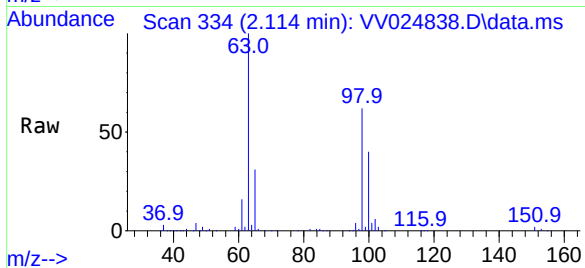
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.723 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion:101 Resp: 675
Ion Ratio Lower Upper
101 100
85 32.8 33.8 50.8
151 55.0 54.1 81.1

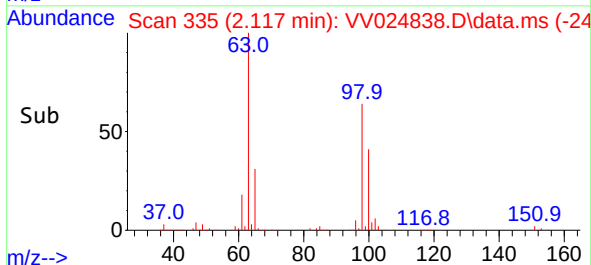
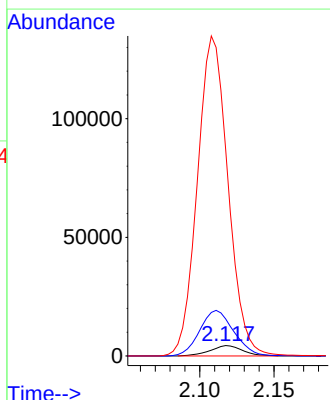
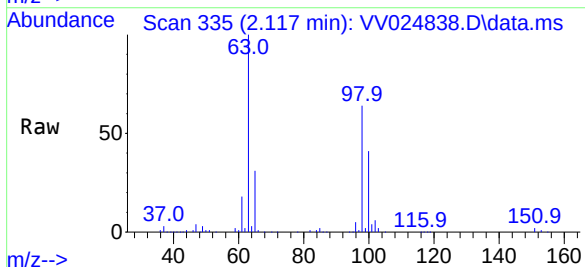
Manual Integrations
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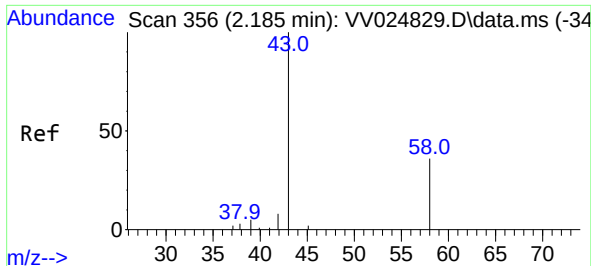
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#12
1,1-Dichloroethene
Concen: 2.751 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

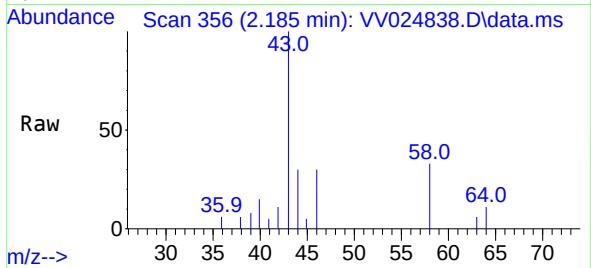
Tgt Ion: 96 Resp: 6643
Ion Ratio Lower Upper
96 100
61 353.6 117.6 218.4#
63 1970.7 105.3 195.5#





#13
Acetone
Concen: 4.248 ug/L
RT: 2.185 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

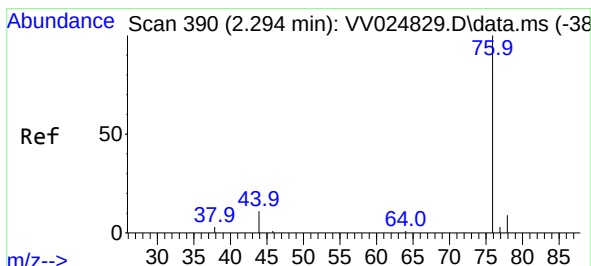
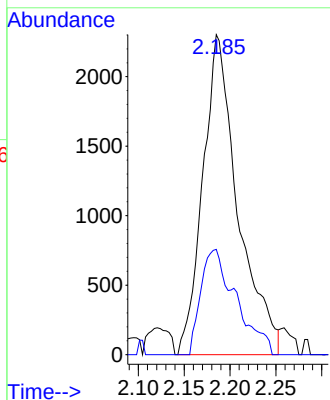
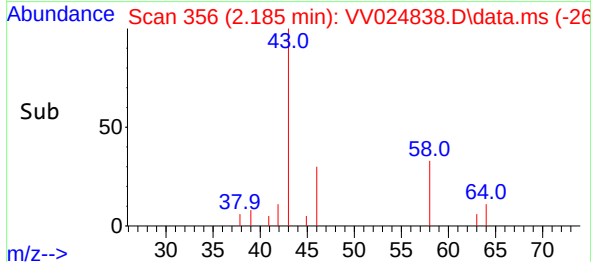
Instrument : MSVOA_V
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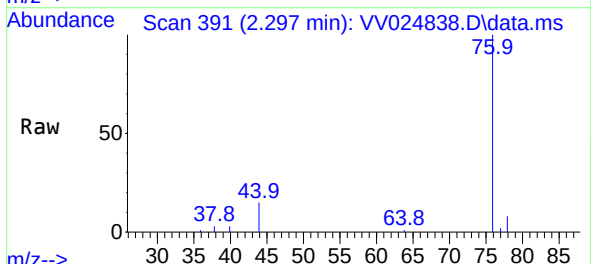
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
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Manual Integrations
APPROVED

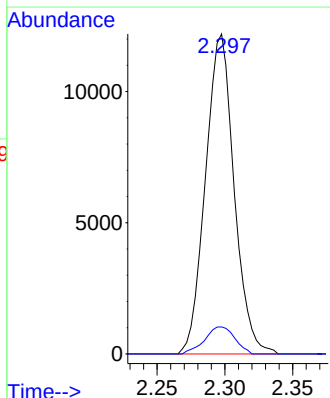
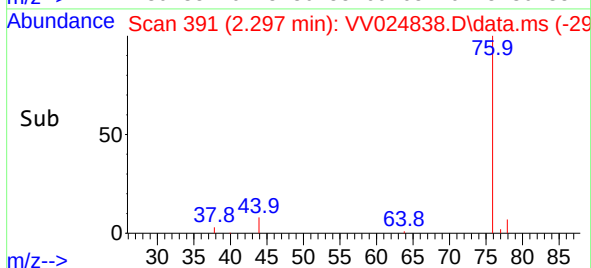
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

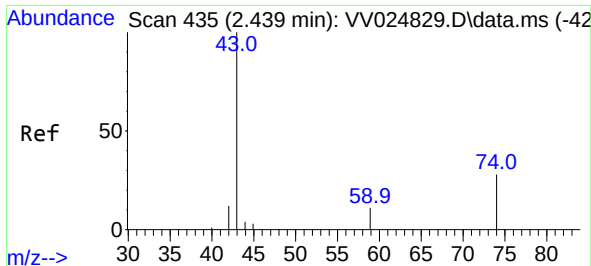


#14
Carbon disulfide
Concen: 2.427 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



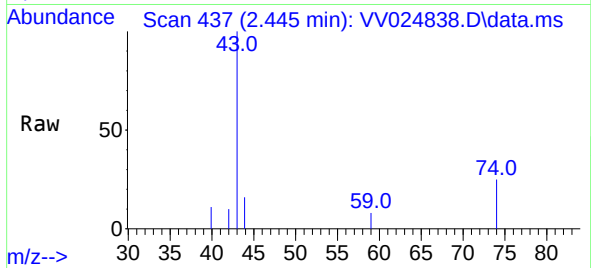
Tgt Ion: 76 Resp: 17902
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





#15
Methyl Acetate
Concen: 2.350 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

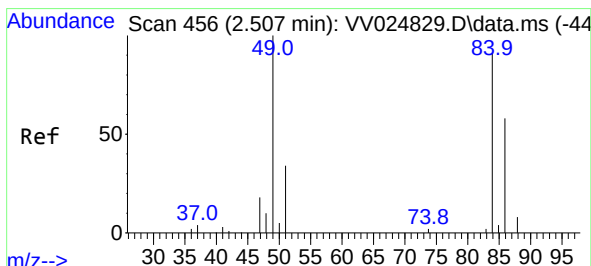
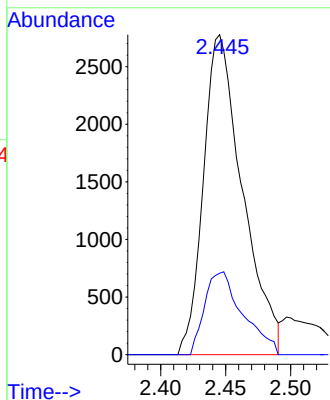
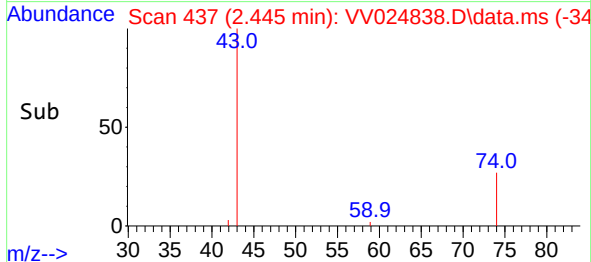
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



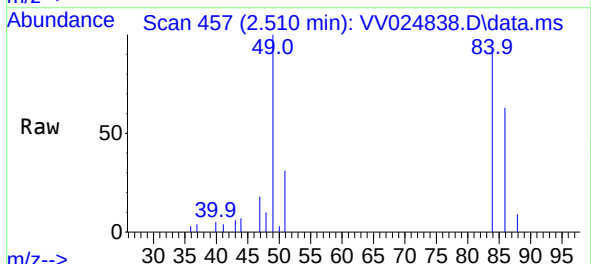
Tgt Ion: 43 Resp: 5818
Ion Ratio Lower Upper
43 100
74 25.3 21.0 31.4

Manual Integrations
APPROVED

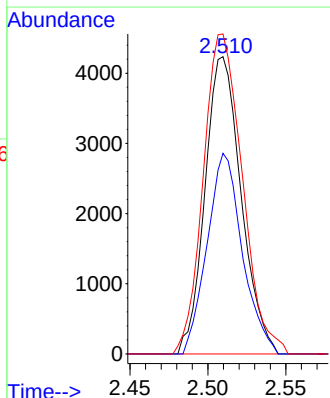
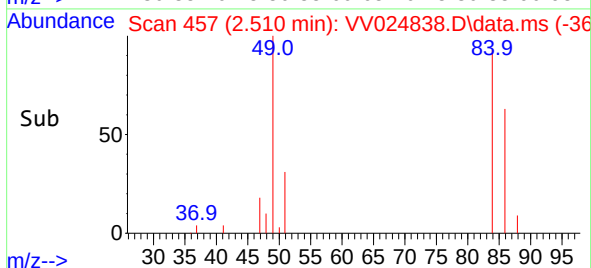
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

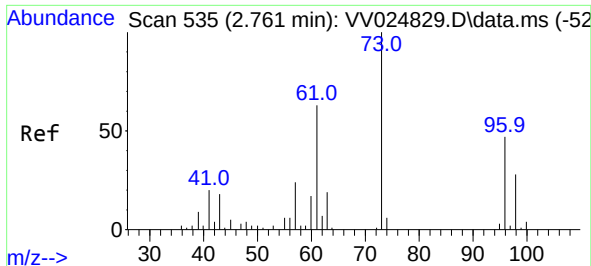


#16
Methylene chloride
Concen: 2.418 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



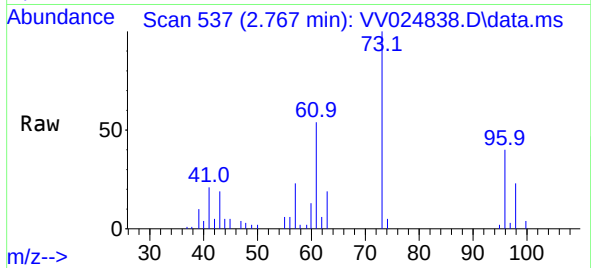
Tgt Ion: 84 Resp: 6837
Ion Ratio Lower Upper
84 100
86 67.5 44.3 82.3
49 107.6 80.7 149.9





#17
trans-1,2-Dichloroethene
Concen: 2.245 ug/L
RT: 2.767 min Scan# 511
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

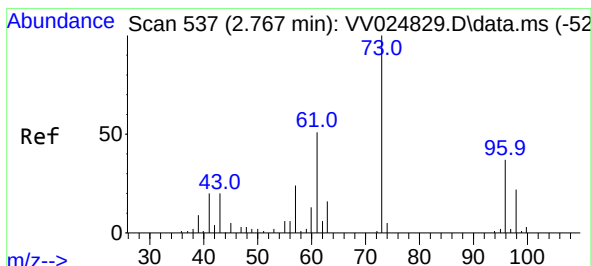
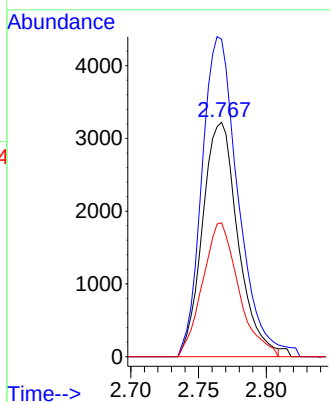
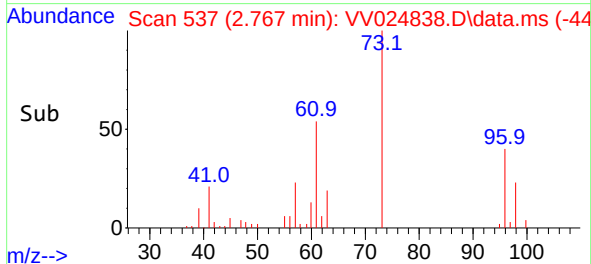
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



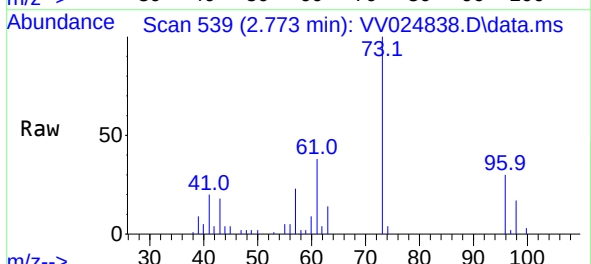
Tgt Ion: 96 Resp: 5862
Ion Ratio Lower Upper
96 100
61 135.5 93.7 173.9
98 57.1 43.7 81.1

Manual Integrations
APPROVED

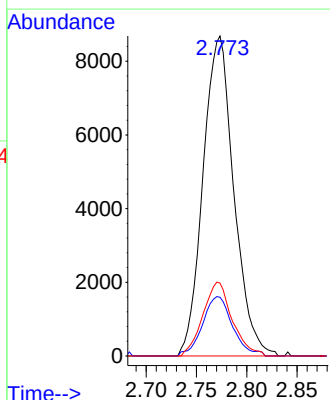
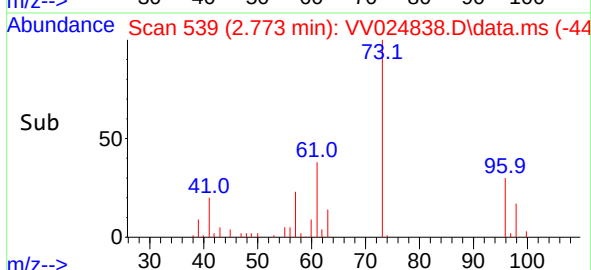
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

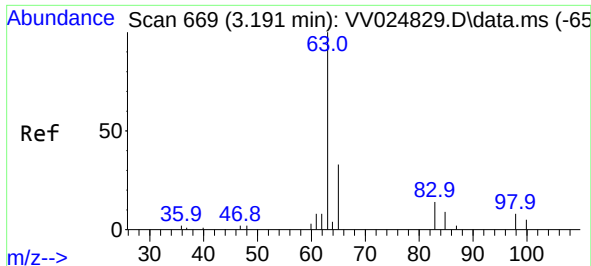


#18
Methyl tert-butyl Ether
Concen: 2.328 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion: 73 Resp: 18538
Ion Ratio Lower Upper
73 100
43 17.7 13.6 20.4
57 21.9 17.4 26.2





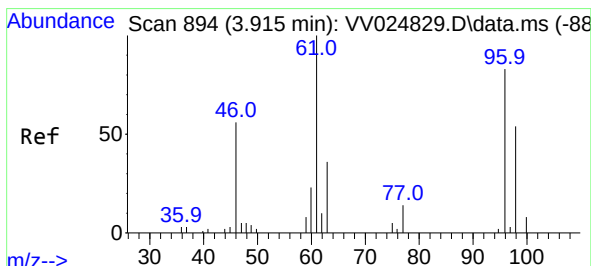
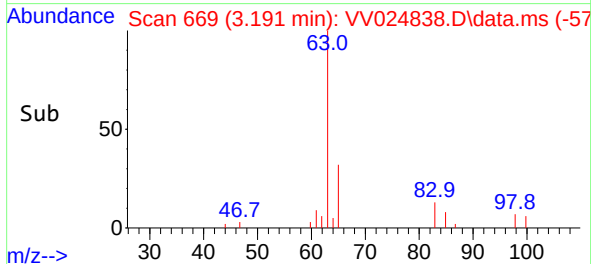
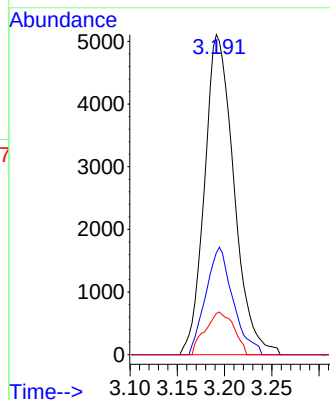
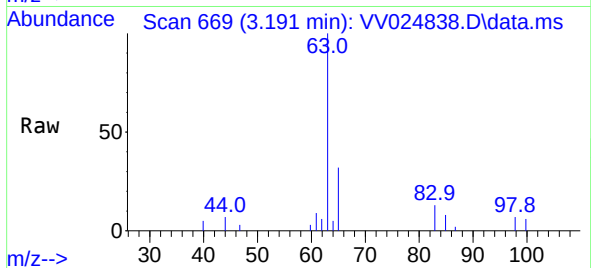
#19
1,1-Dichloroethane
Concen: 2.348 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 63 Resp: 1105
Ion Ratio Lower Upper
63 100
65 31.9 22.0 40.8
83 12.9 9.2 17.0

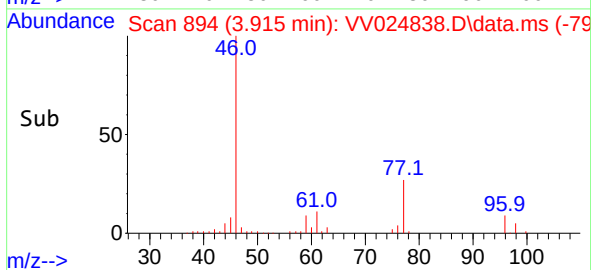
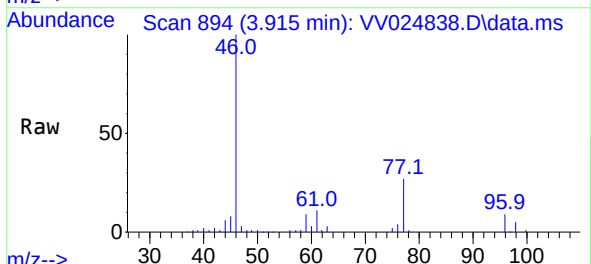
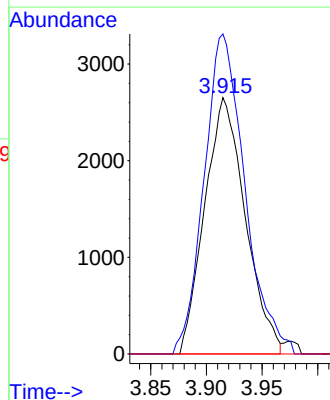
Manual Integrations
APPROVED

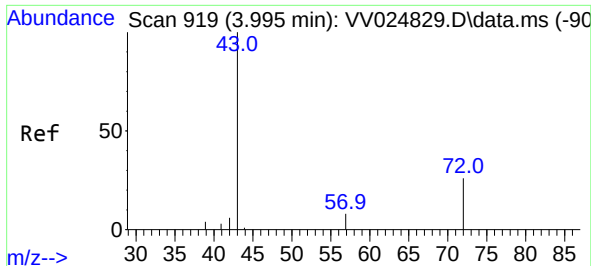
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#20
cis-1,2-Dichloroethene
Concen: 2.386 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

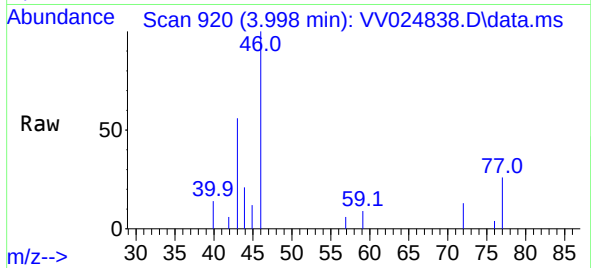
Tgt Ion: 96 Resp: 6745
Ion Ratio Lower Upper
96 100
61 124.8 86.1 159.9
68 0.0 0.0 0.0





#22
2-Butanone
Concen: 5.183 ug/L m
RT: 3.998 min Scan# 919
Delta R.T. 0.025 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

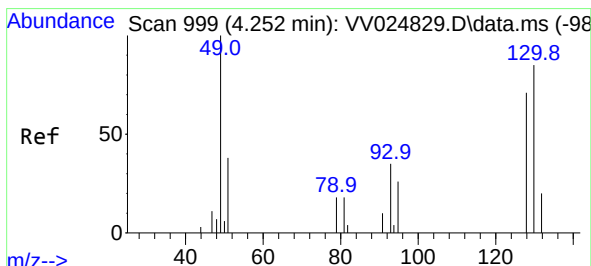
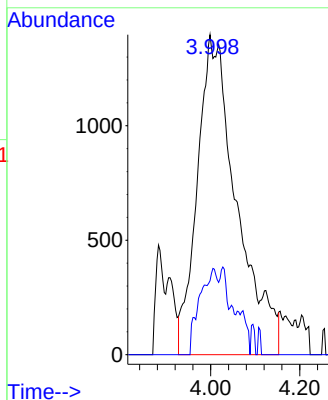
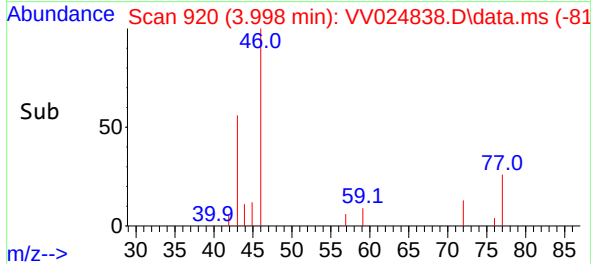
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



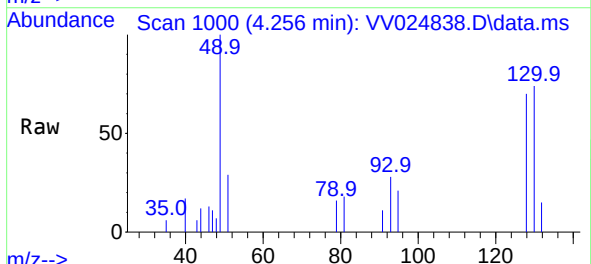
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
72 2.6 13.9 41.6

Manual Integrations
APPROVED

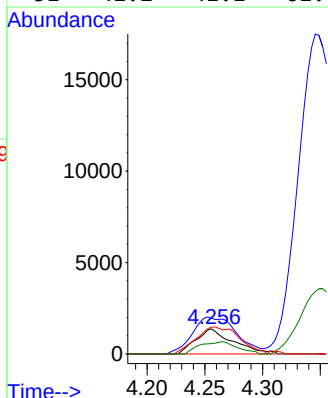
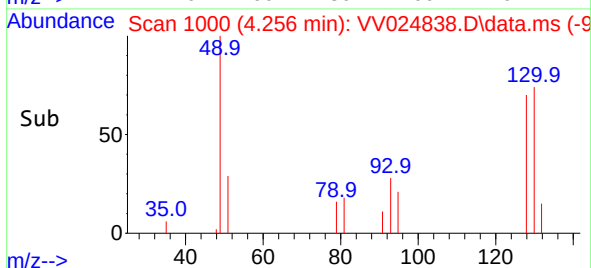
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

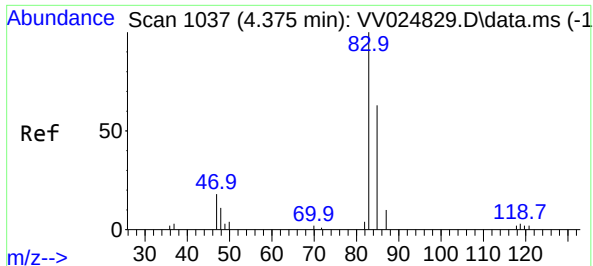


#23
Bromochloromethane
Concen: 2.170 ug/L
RT: 4.256 min Scan# 1000
Delta R.T. 0.010 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion:128 Resp: 3068
Ion Ratio Lower Upper
128 100
49 142.9 110.9 205.9
130 106.3 88.5 164.3
51 41.2 41.1 61.7





#25

Chloroform

Concen: 2.775 ug/L

RT: 4.378 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 83 Resp: 1357

Ion Ratio Lower Upper

83 100

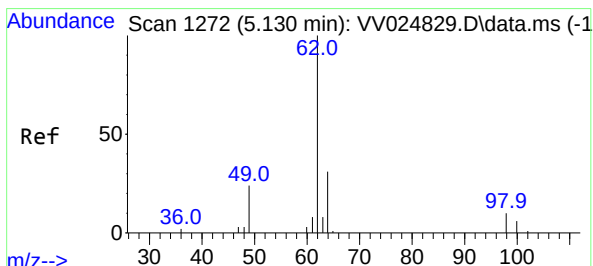
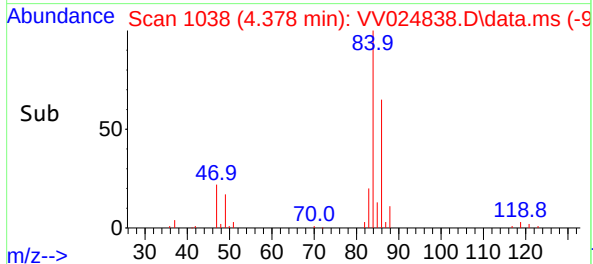
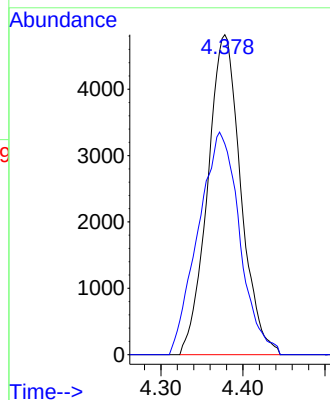
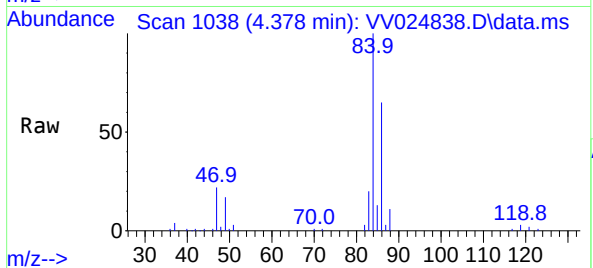
85 65.8 46.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#27

1,2-Dichloroethane

Concen: 2.333 ug/L

RT: 5.143 min Scan# 1276

Delta R.T. 0.016 min

Lab File: VV024838.D

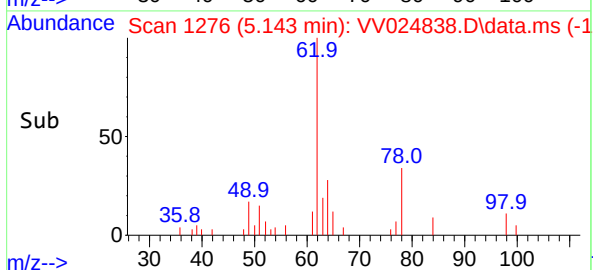
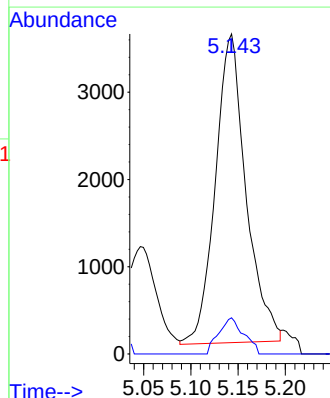
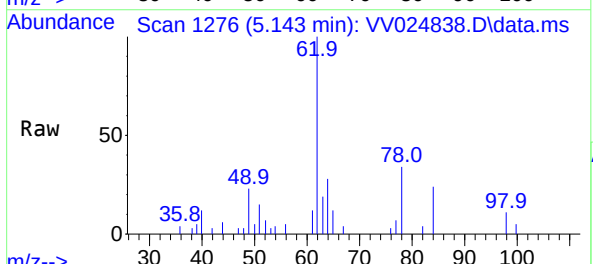
Acq: 28 Feb 2022 16:43

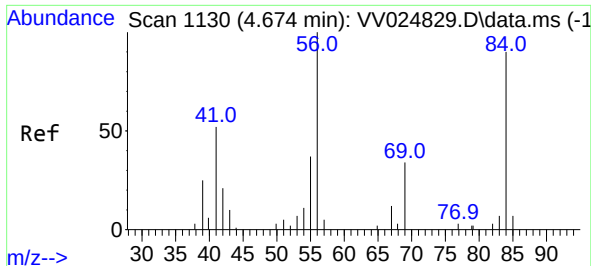
Tgt Ion: 62 Resp: 7964

Ion Ratio Lower Upper

62 100

98 11.3 8.2 12.4





#29

Cyclohexane

Concen: 2.150 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VV024838.D

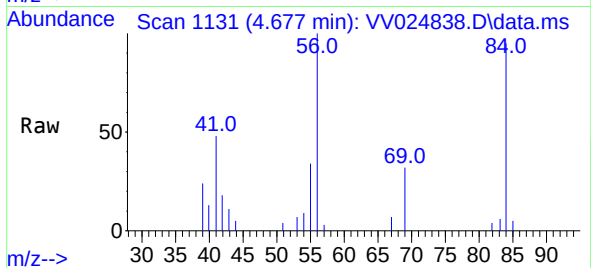
Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01



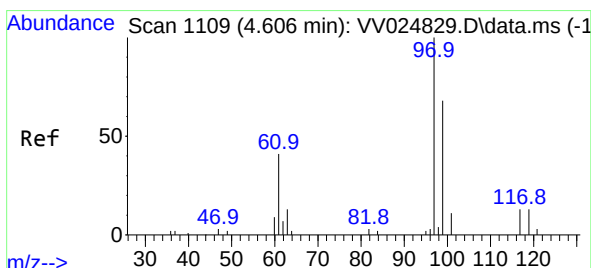
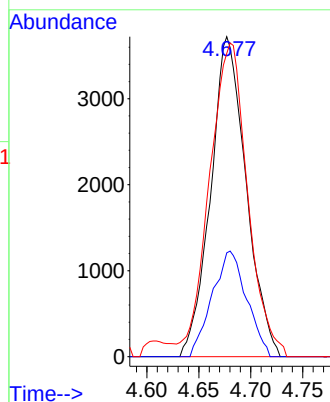
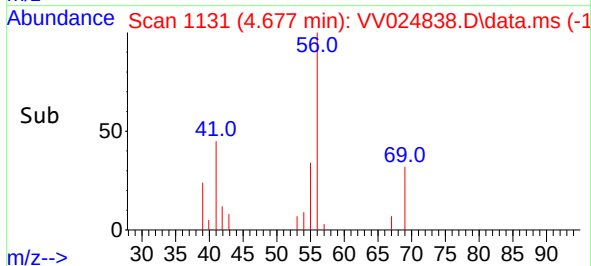
Tgt Ion:	56	Resp:	8814
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.0	37.6
84	105.7	73.4	110.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#30

1,1,1-Trichloroethane

Concen: 2.276 ug/L

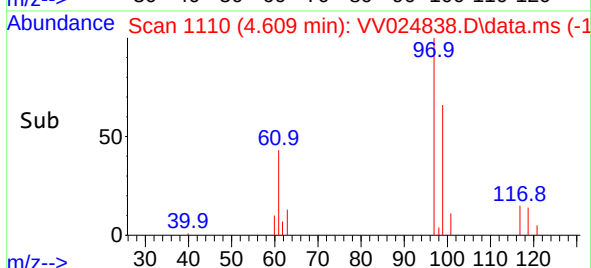
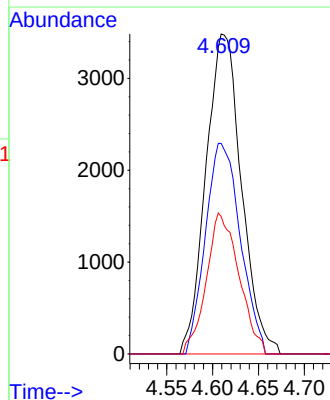
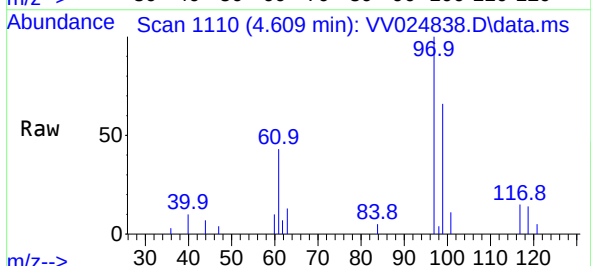
RT: 4.609 min Scan# 1110

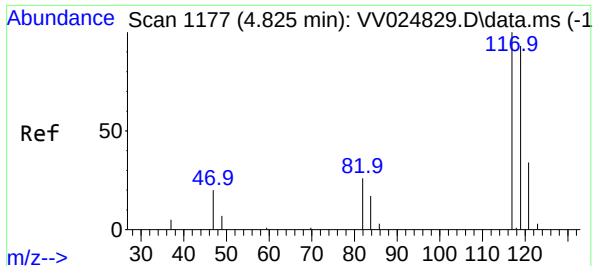
Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

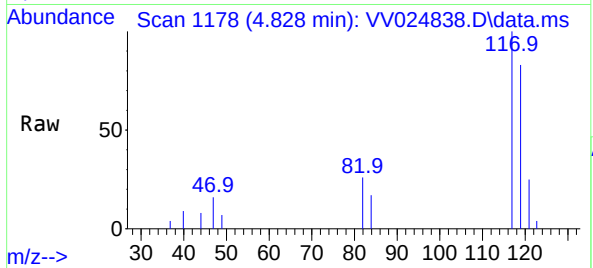
Tgt Ion:	97	Resp:	9393
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.5	77.3
61	40.5	33.8	50.8





#31
Carbon tetrachloride
Concen: 2.156 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

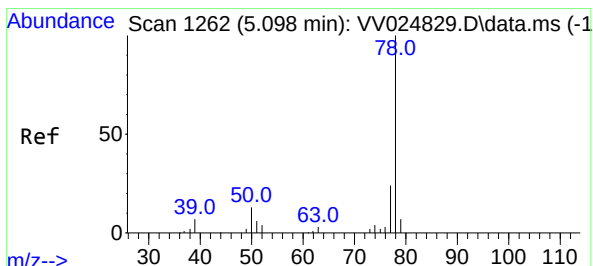
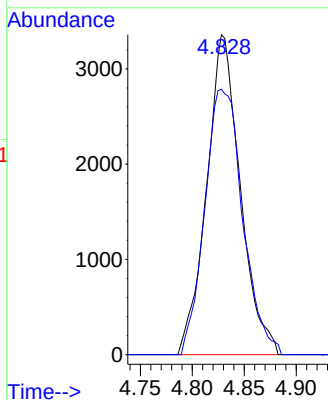
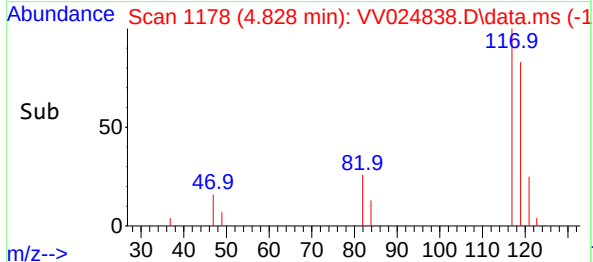
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



Tgt Ion:117 Resp: 7564
Ion Ratio Lower Upper
117 100
119 93.4 75.8 113.8

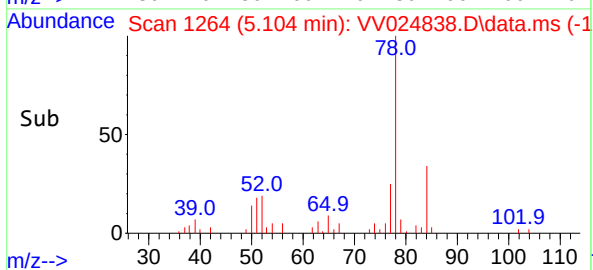
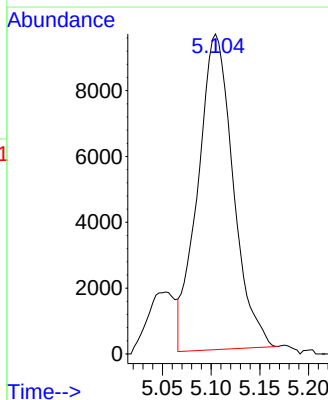
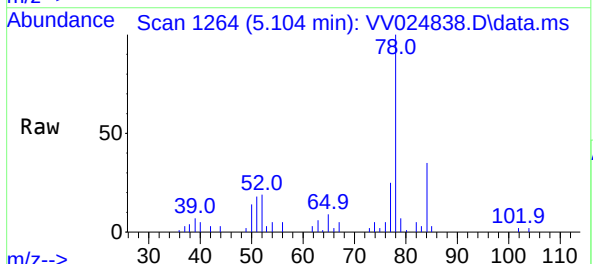
Manual Integrations
APPROVED

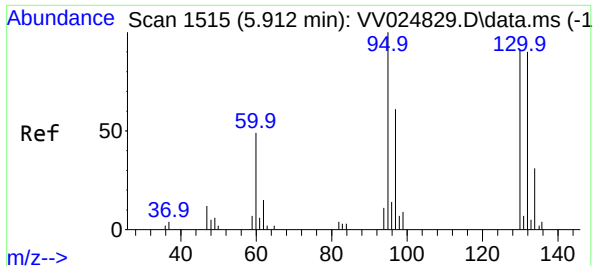
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#33
Benzene
Concen: 2.280 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Tgt Ion: 78 Resp: 24121





#34

Trichloroethene

Concen: 2.437 ug/L

RT: 5.915 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 95 Resp: 706

Ion Ratio Lower Upper

95 100

97 59.0 45.3 84.1

132 86.3 65.0 120.6

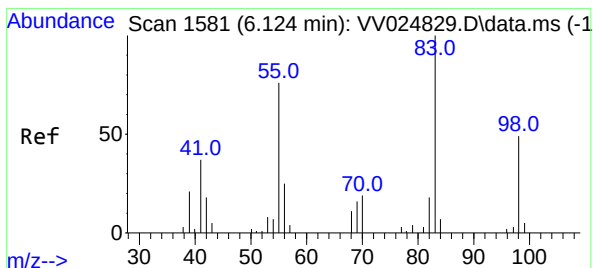
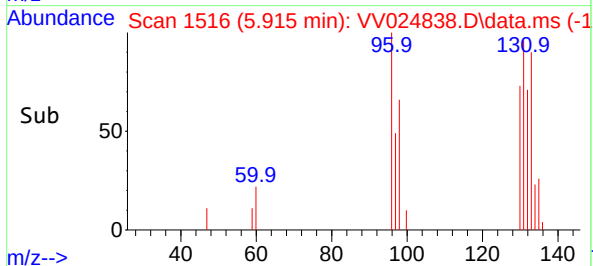
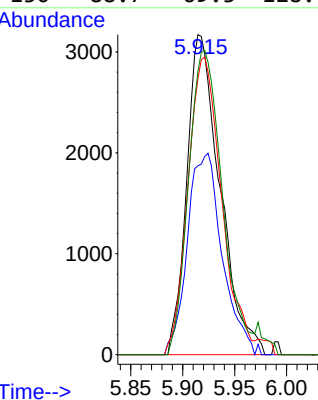
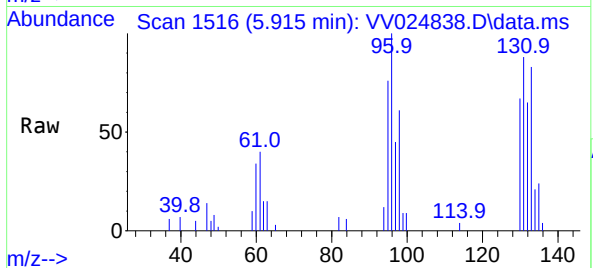
130 88.7 69.3 128.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#35

Methylcyclohexane

Concen: 2.162 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

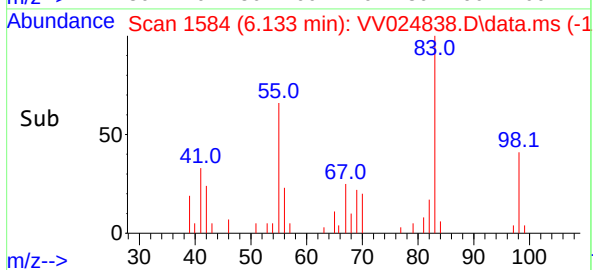
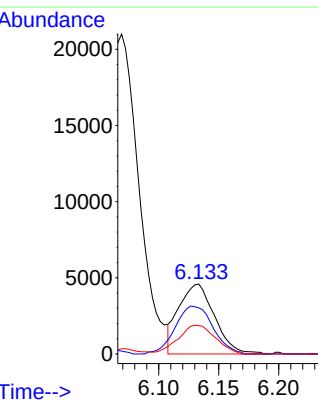
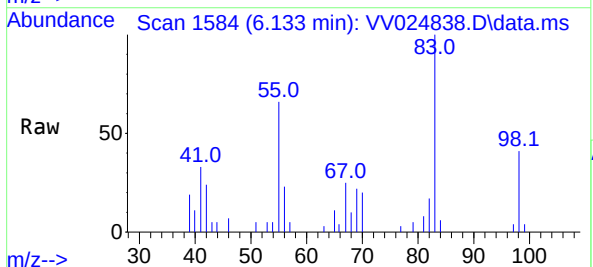
Tgt Ion: 83 Resp: 9510

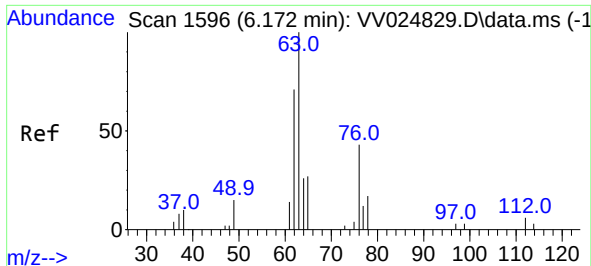
Ion Ratio Lower Upper

83 100

55 72.2 57.7 86.5

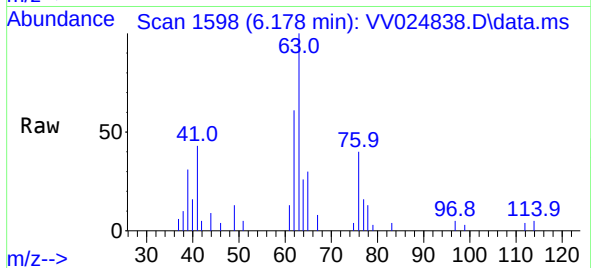
98 42.7 38.9 58.3





#37
1,2-Dichloropropane
Concen: 2.506 ug/L
RT: 6.178 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

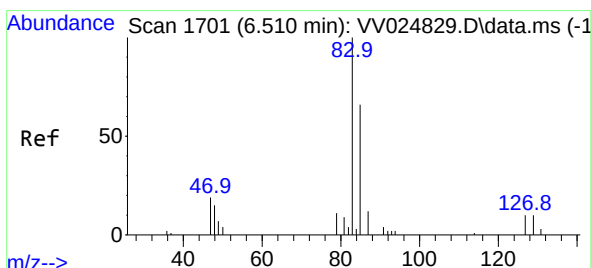
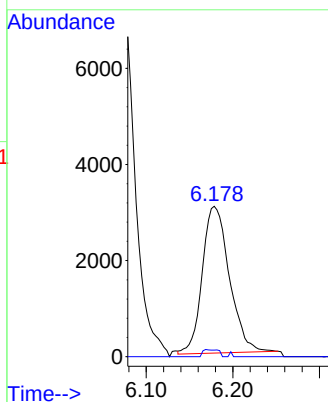
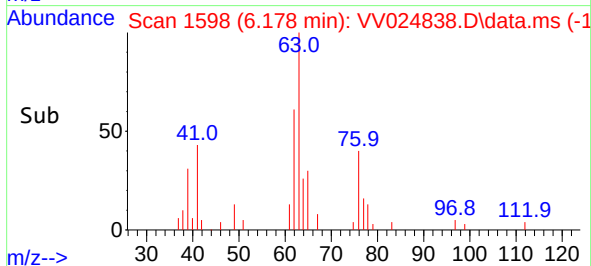
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



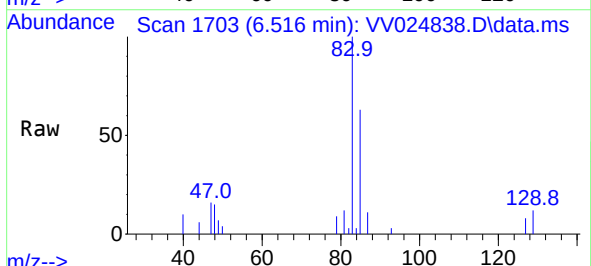
Tgt Ion: 63 Resp: 6652
Ion Ratio Lower Upper
63 100
112 2.0 3.6 5.4

Manual Integrations
APPROVED

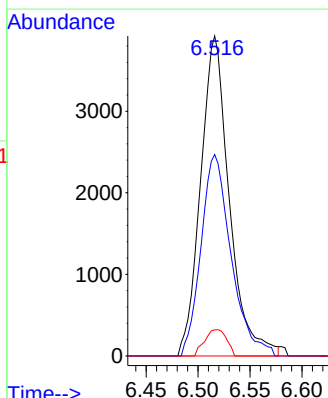
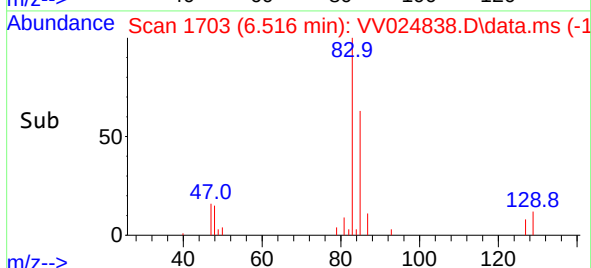
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

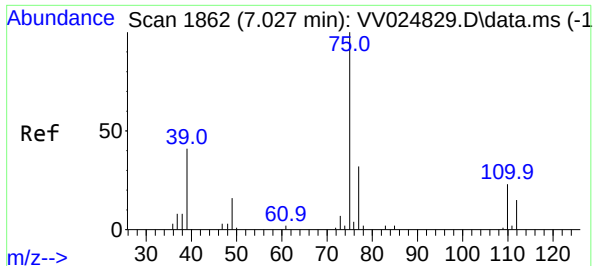


#38
Bromodichloromethane
Concen: 2.166 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.010 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion: 83 Resp: 7534
Ion Ratio Lower Upper
83 100
85 63.0 44.5 82.7
127 8.2 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 2.329 ug/L

RT: 7.037 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

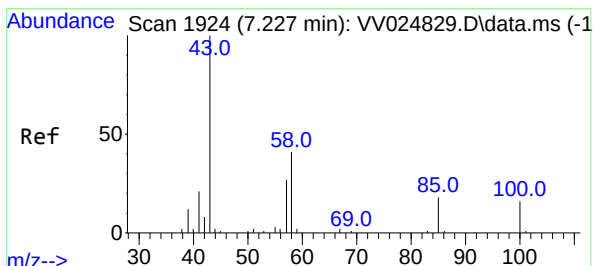
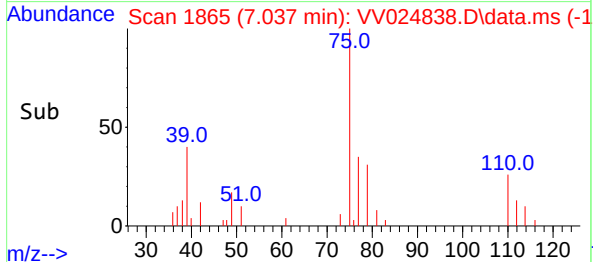
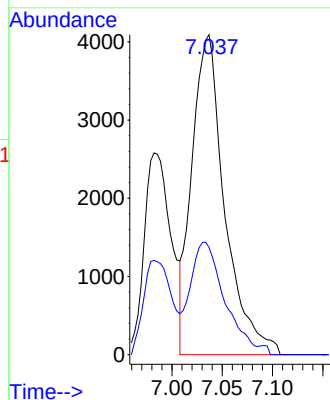
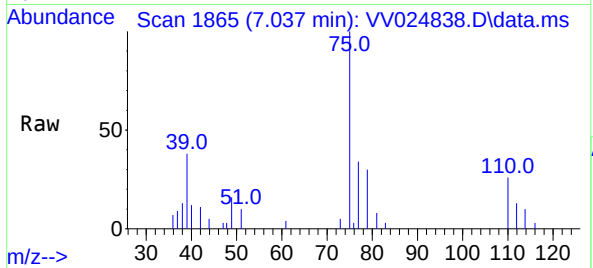
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 75 Resp: 9302
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.9 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022
 Supervised By :Mahesh Dadoda 03/01/2022



#40

4-Methyl-2-pentanone

Concen: 4.353 ug/L

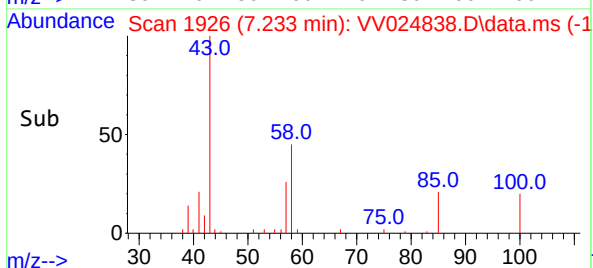
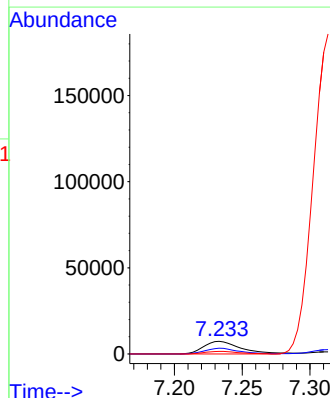
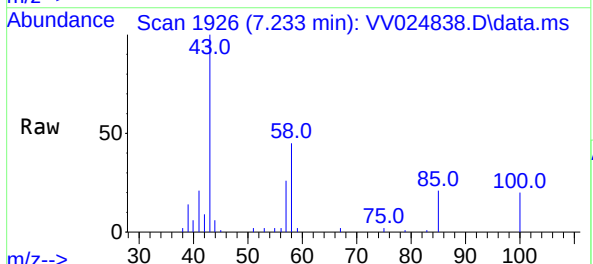
RT: 7.233 min Scan# 1926

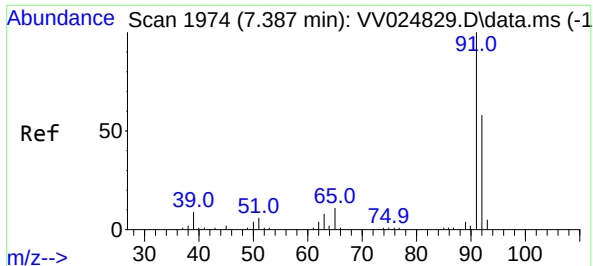
Delta R.T. 0.010 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Tgt Ion: 43 Resp: 13776
 Ion Ratio Lower Upper
 43 100
 58 41.3 34.8 52.2
 100 19.1 14.2 21.2





#42

Toluene

Concen: 2.952 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 32578

Ion Ratio Lower Upper

91 100

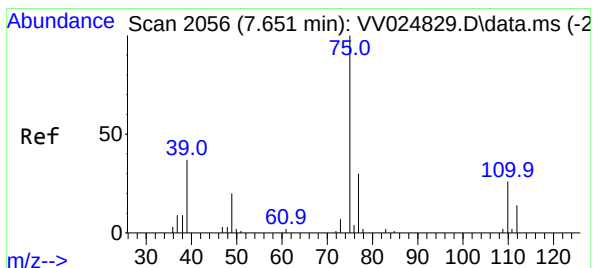
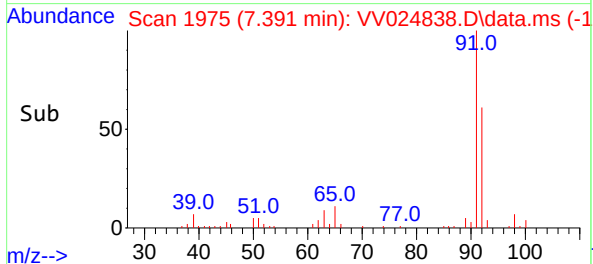
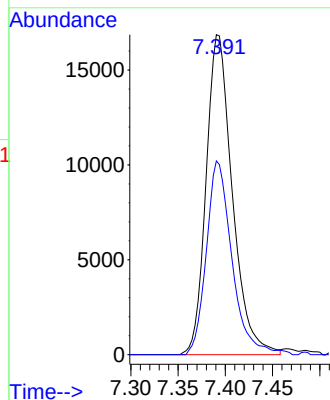
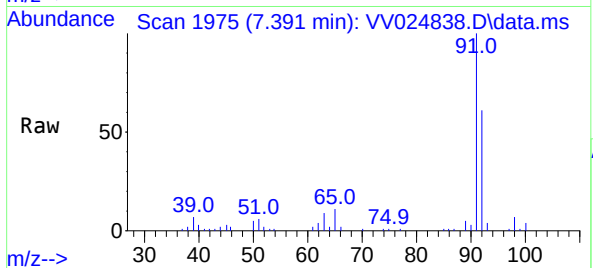
92 60.5 40.8 75.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#44

trans-1,3-Dichloropropene

Concen: 2.322 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VV024838.D

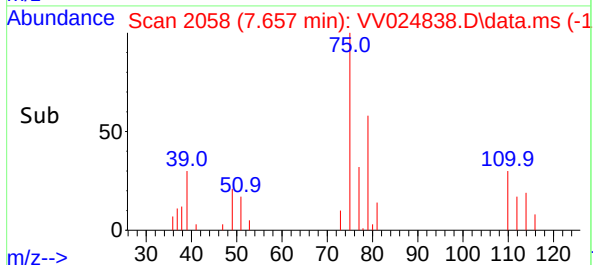
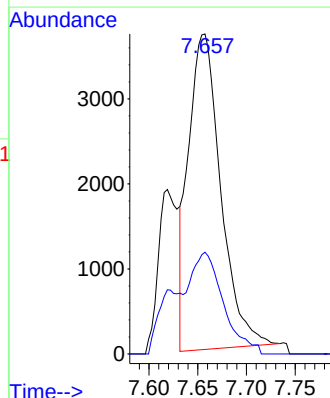
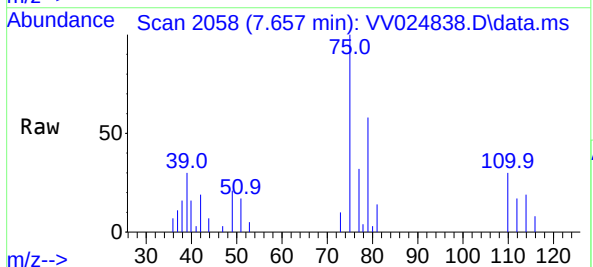
Acq: 28 Feb 2022 16:43

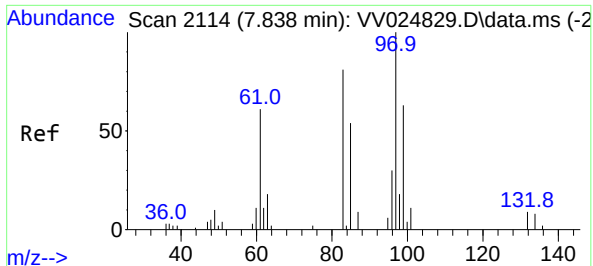
Tgt Ion: 75 Resp: 8520

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 2.360 ug/L

RT: 7.844 min Scan# 2114

Delta R.T. 0.010 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 97 Resp: 6086

Ion Ratio Lower Upper

97 100

99 62.5 43.9 81.5

83 89.8 61.7 114.5

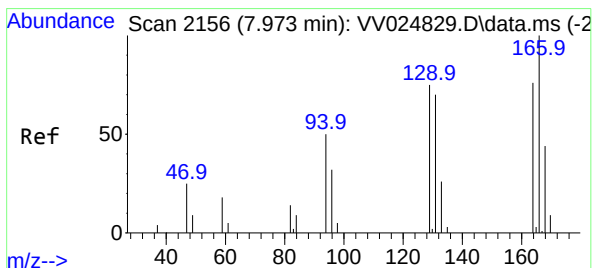
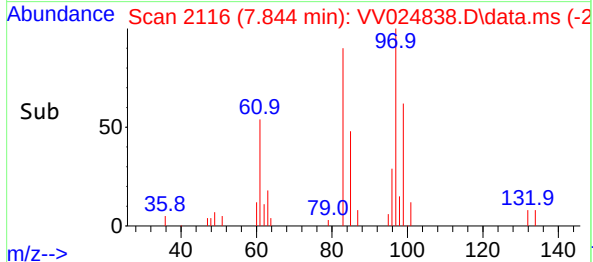
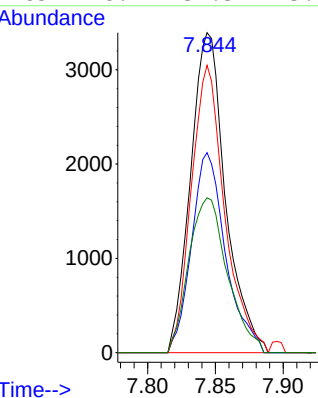
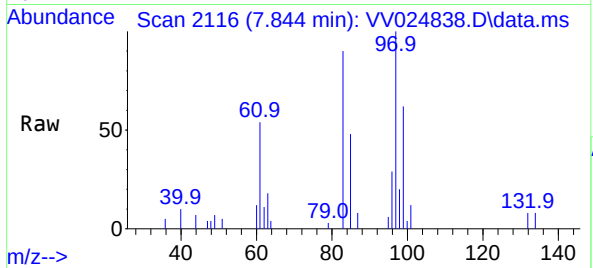
85 48.4 39.3 73.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#46

Tetrachloroethene

Concen: 2.075 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Tgt Ion:164 Resp: 3886

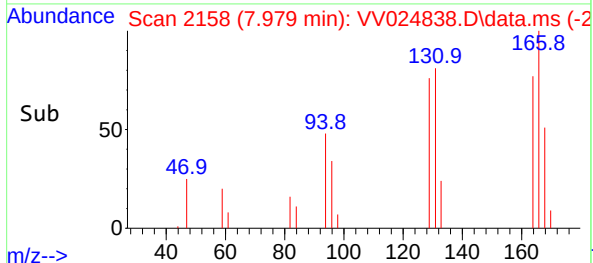
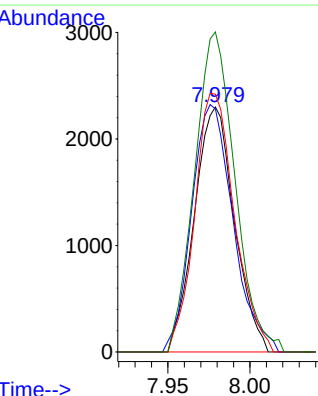
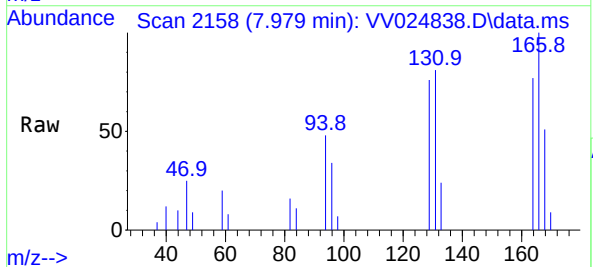
Ion Ratio Lower Upper

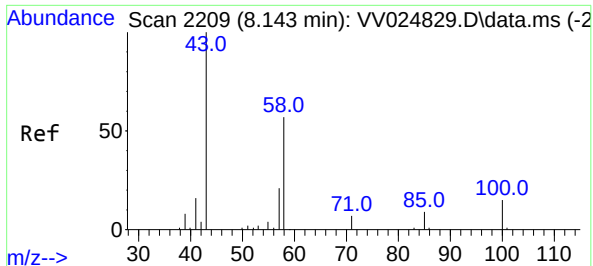
164 100

129 99.2 74.1 137.7

131 105.2 70.1 130.1

166 130.6 91.1 169.1





#48

2-Hexanone

Concen: 8.388 ug/L

RT: 8.143 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 43 Resp: 20889

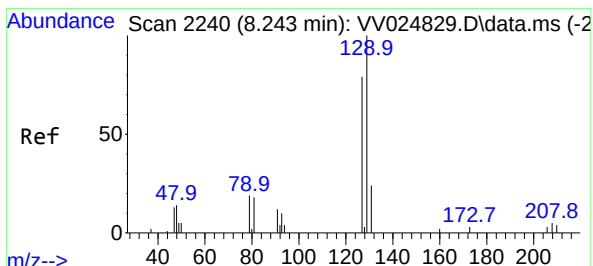
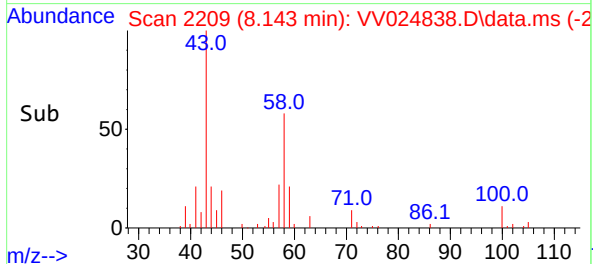
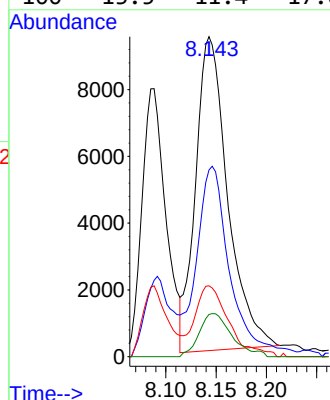
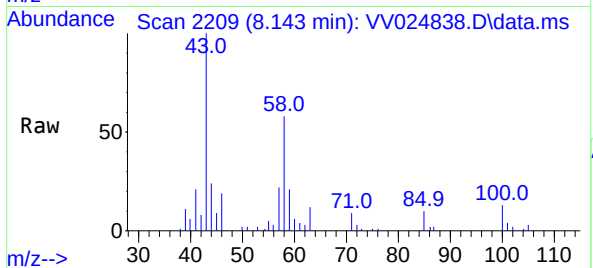
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.6	72.8
57	20.5	16.5	24.7
100	13.5	11.4	17.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#49

Dibromochloromethane

Concen: 2.182 ug/L

RT: 8.249 min Scan# 2242

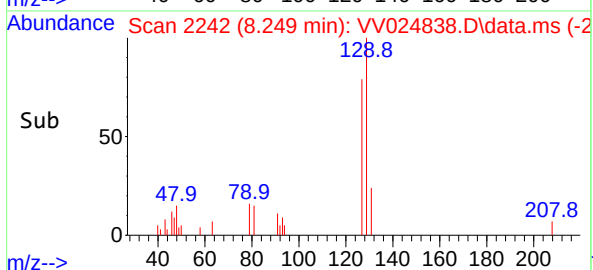
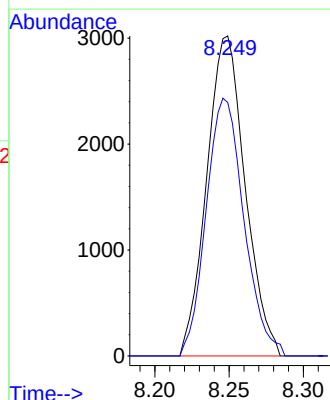
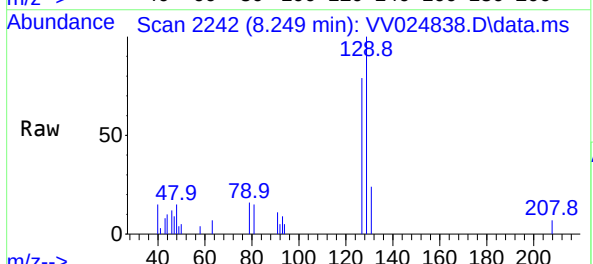
Delta R.T. 0.006 min

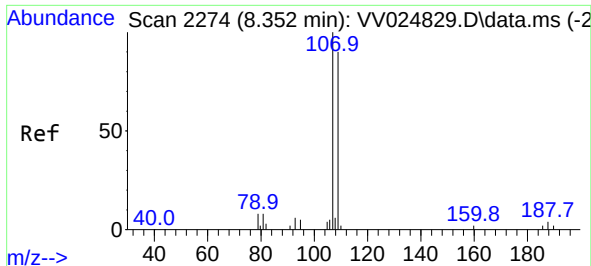
Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Tgt Ion:129 Resp: 5438

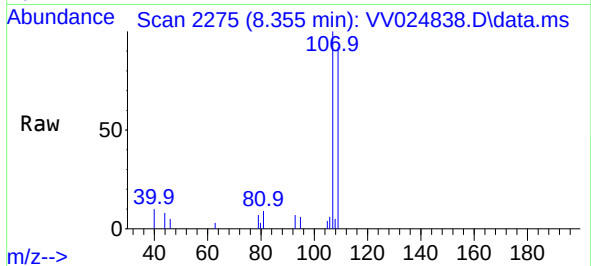
Ion	Ratio	Lower	Upper
129	100		
127	79.2	54.2	100.6





#50
1,2-Dibromoethane
Concen: 2.325 ug/L
RT: 8.355 min Scan# 2184
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

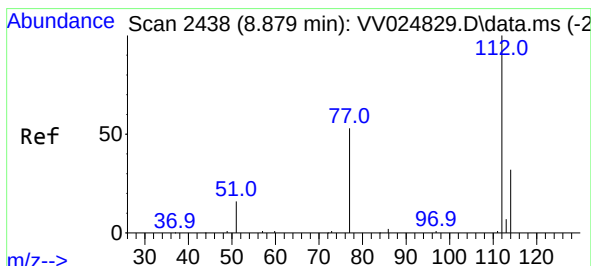
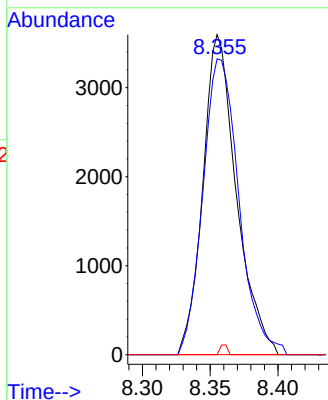
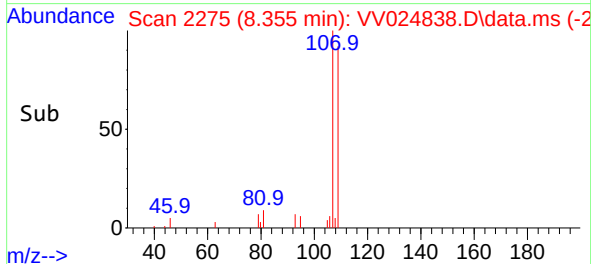
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



Tgt Ion:107 Resp: 6184
Ion Ratio Lower Upper
107 100
109 92.4 65.6 121.8
188 0.0 2.4 3.6

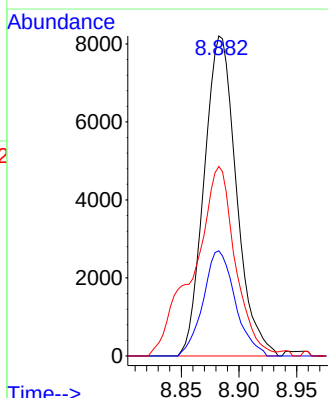
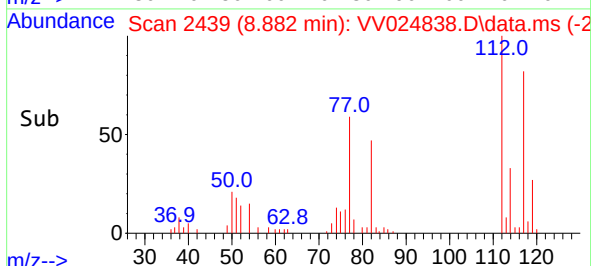
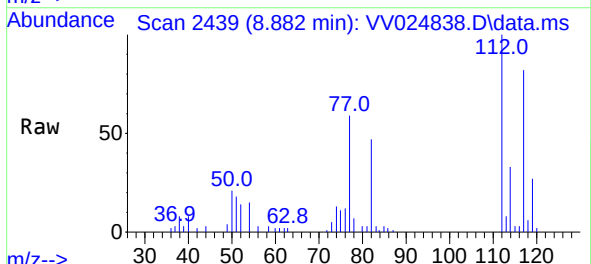
Manual Integrations
APPROVED

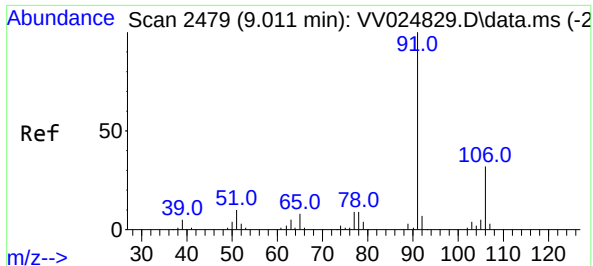
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#51
Chlorobenzene
Concen: 2.286 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Tgt Ion:112 Resp: 15917
Ion Ratio Lower Upper
112 100
114 32.9 22.3 41.5
77 59.2 46.7 70.1





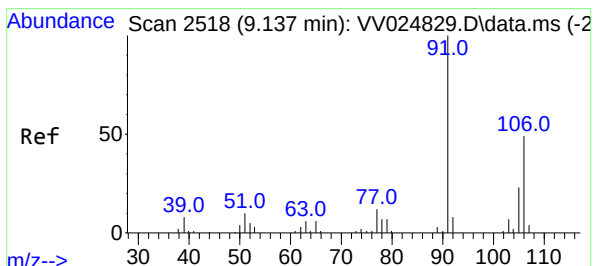
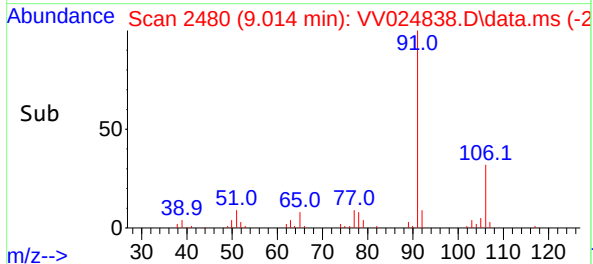
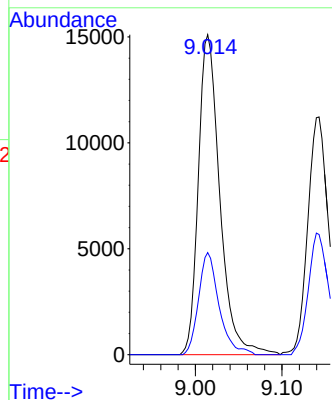
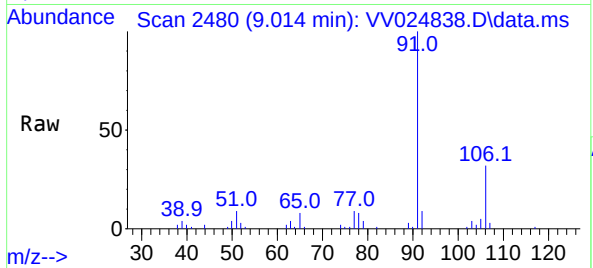
#52
Ethylbenzene
Concen: 2.234 ug/L
RT: 9.014 min Scan# 2479
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 26004
Ion Ratio Lower Upper
91 100
106 31.9 21.6 40.2

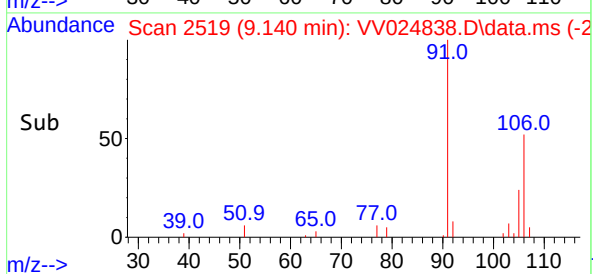
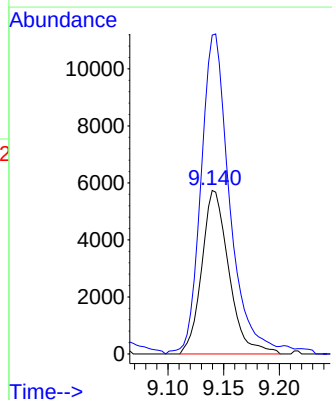
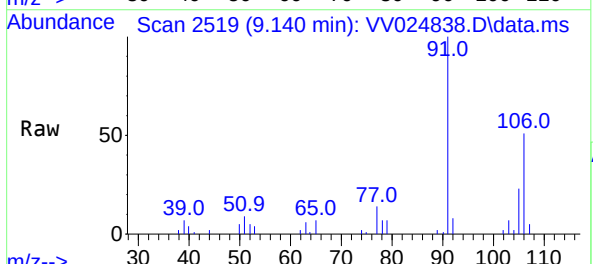
Manual Integrations
APPROVED

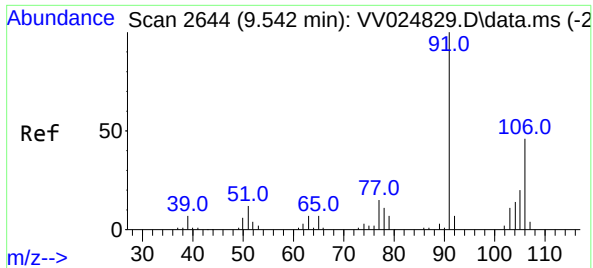
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#53
m,p-Xylene
Concen: 2.176 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Tgt Ion:106 Resp: 9735
Ion Ratio Lower Upper
106 100
91 195.0 142.2 264.2





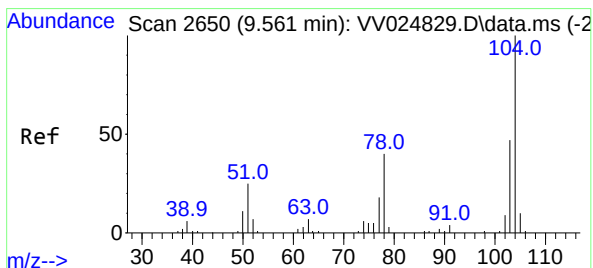
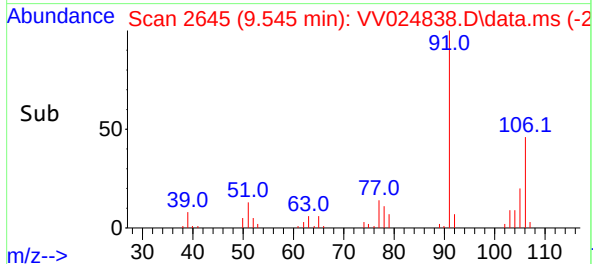
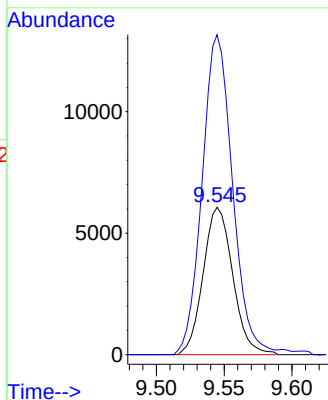
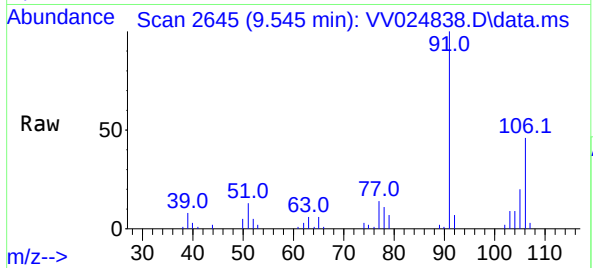
#54
o-Xylene
Concen: 2.135 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01

Tgt Ion:106 Resp: 9229
Ion Ratio Lower Upper
106 100
91 217.1 151.6 281.6

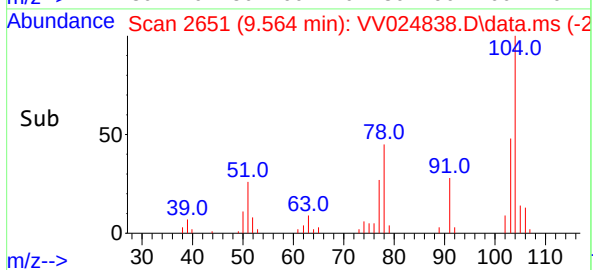
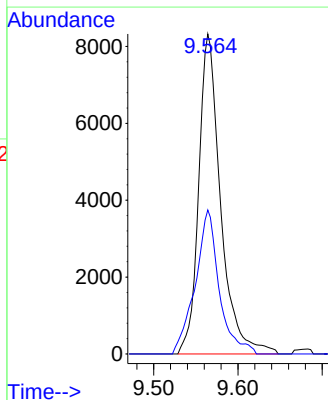
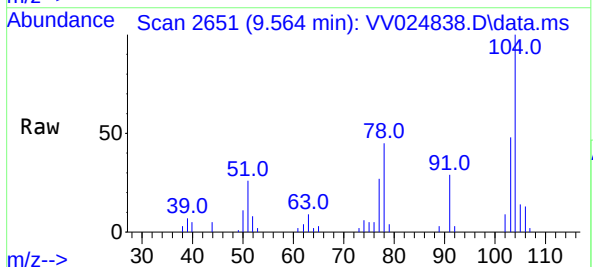
Manual Integrations
APPROVED

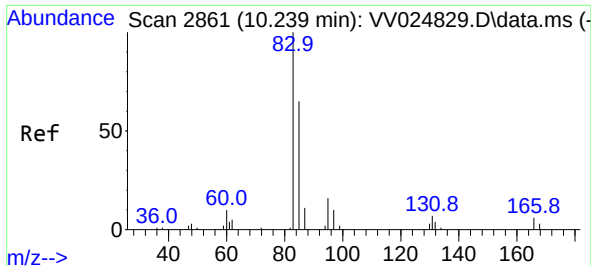
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#55
Styrene
Concen: 2.058 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

Tgt Ion:104 Resp: 15091
Ion Ratio Lower Upper
104 100
78 45.0 30.9 57.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.677 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV024838.D

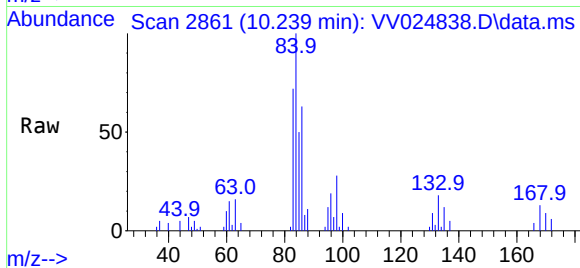
Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01



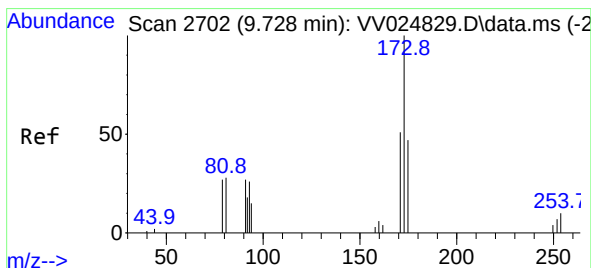
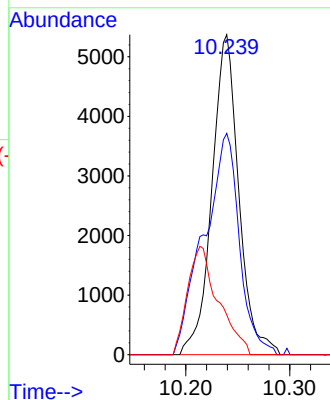
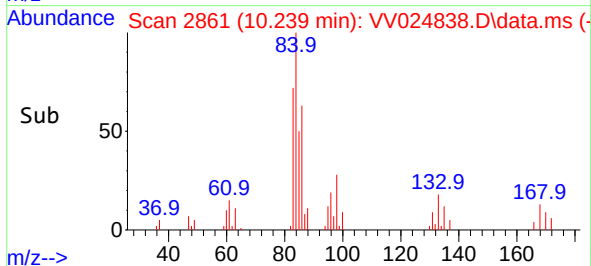
Tgt Ion:	83	Resp:	965
Ion Ratio	Lower	Upper	
83	100		
85	69.1	44.2	82.2
131	12.4	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#59

Bromoform

Concen: 1.961 ug/L

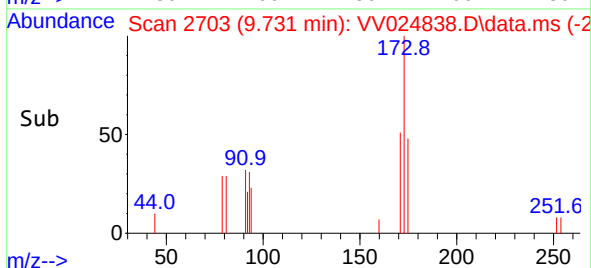
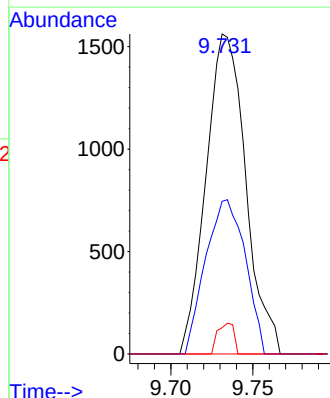
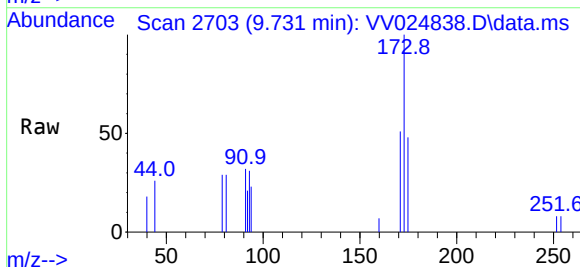
RT: 9.731 min Scan# 2703

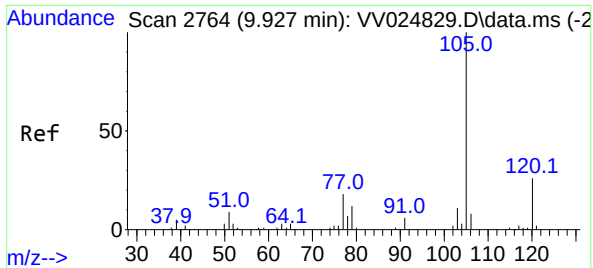
Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

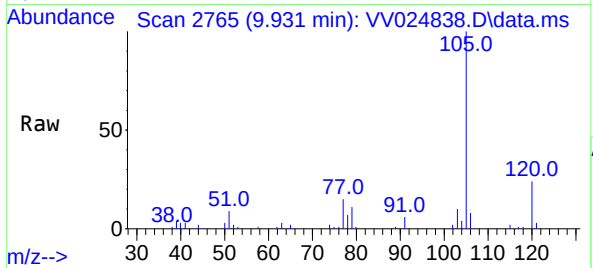
Tgt Ion:	173	Resp:	2624
Ion Ratio	Lower	Upper	
173	100		
175	48.2	37.9	56.9
254	3.9	6.2	9.4





#60
Isopropylbenzene
Concen: 2.257 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

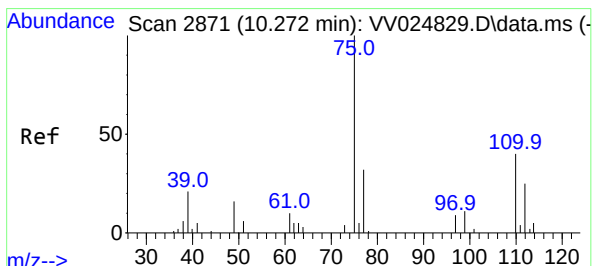
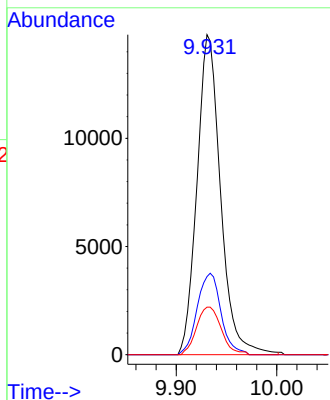
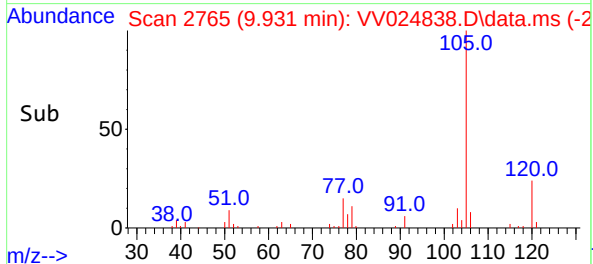
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



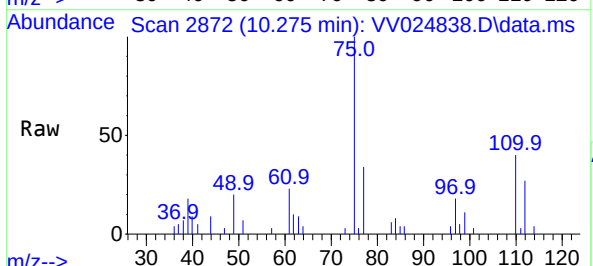
Tgt Ion:105 Resp: 2408
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0
77 15.5 12.3 18.5

Manual Integrations
APPROVED

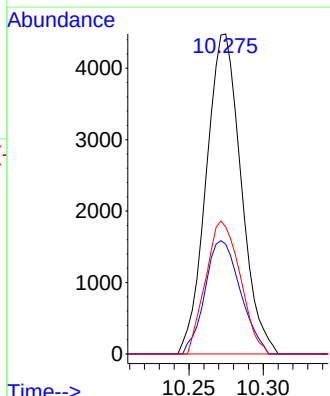
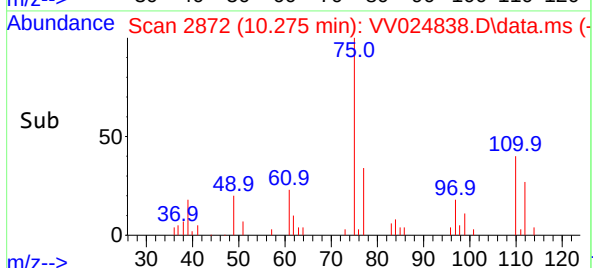
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

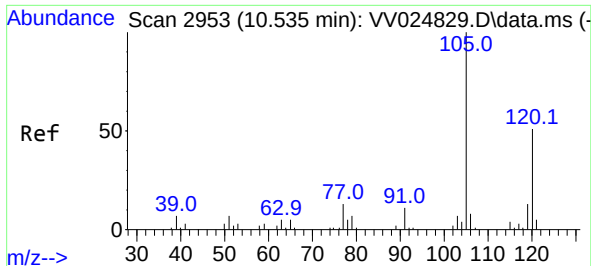


#61
1,2,3-Trichloropropane
Concen: 2.486 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.006 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion: 75 Resp: 7307
Ion Ratio Lower Upper
75 100
77 36.1 25.4 38.0
110 41.0 31.4 47.2





#62

1,3,5-Trimethylbenzene

Concen: 2.219 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion:105 Resp: 15970

Ion Ratio Lower Upper

105 100

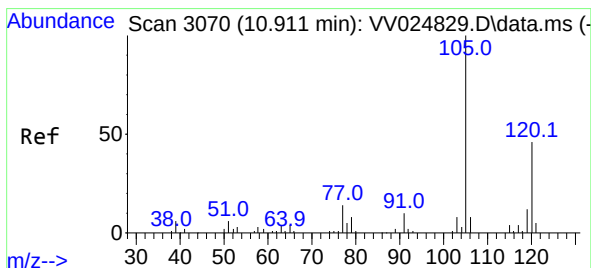
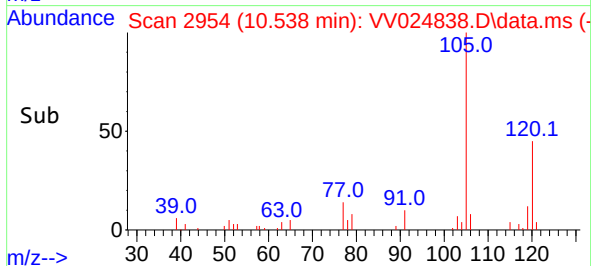
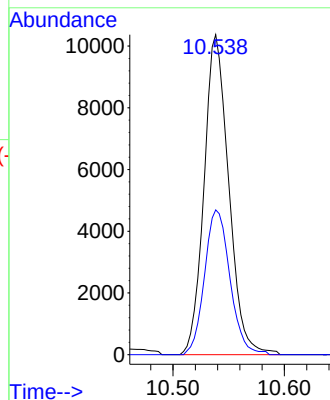
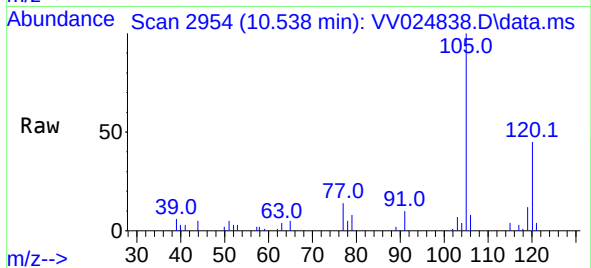
120 46.3 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#63

1,2,4-Trimethylbenzene

Concen: 2.213 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV024838.D

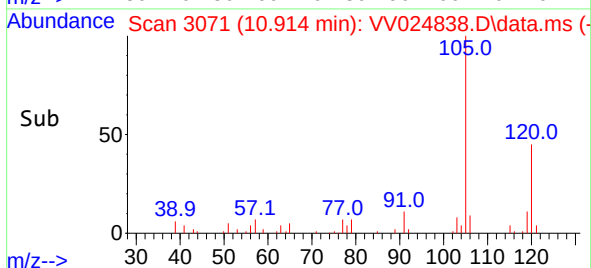
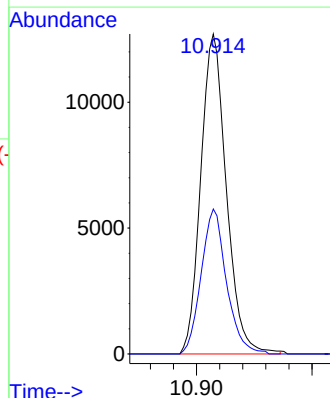
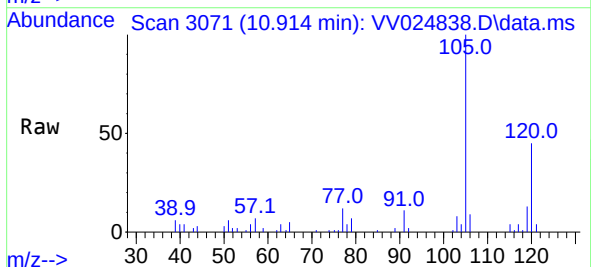
Acq: 28 Feb 2022 16:43

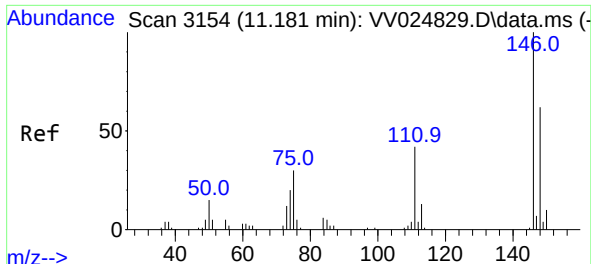
Tgt Ion:105 Resp: 19526

Ion Ratio Lower Upper

105 100

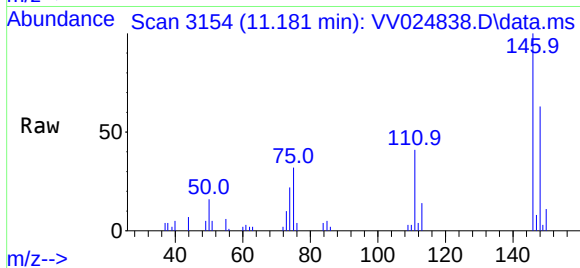
120 44.8 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.362 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

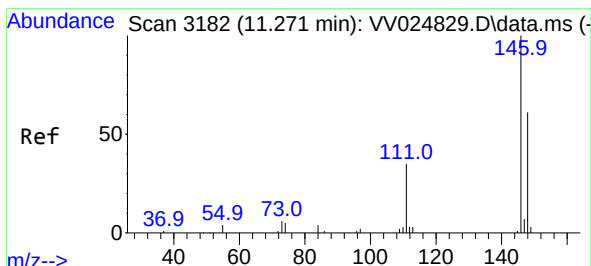
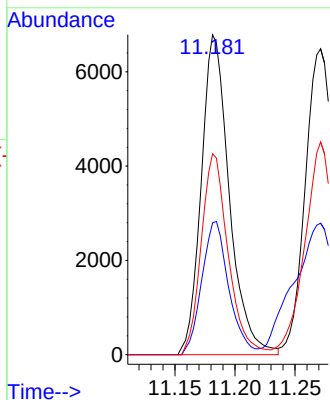
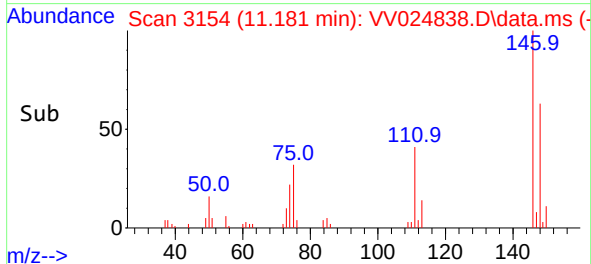
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2022-01



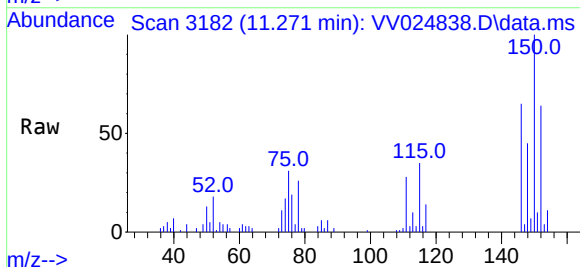
Tgt Ion:146 Resp: 1105
Ion Ratio Lower Upper
146 100
111 41.2 29.7 55.1
148 62.8 43.9 81.5

Manual Integrations
APPROVED

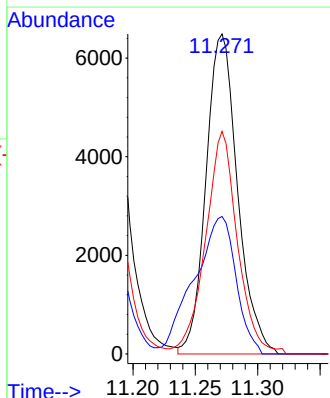
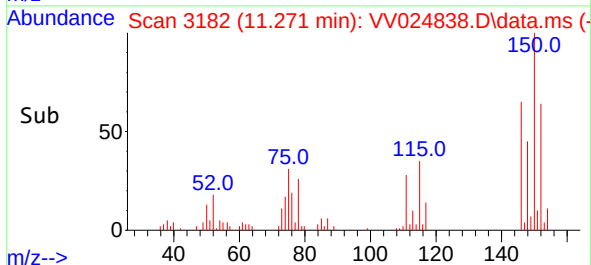
Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022

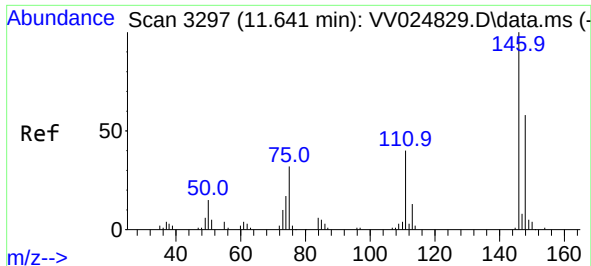


#65
1,4-Dichlorobenzene
Concen: 2.386 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion:146 Resp: 11436
Ion Ratio Lower Upper
146 100
111 43.0 28.6 53.0
148 69.6 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 2.451 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2022-01

Tgt Ion:146 Resp: 1154

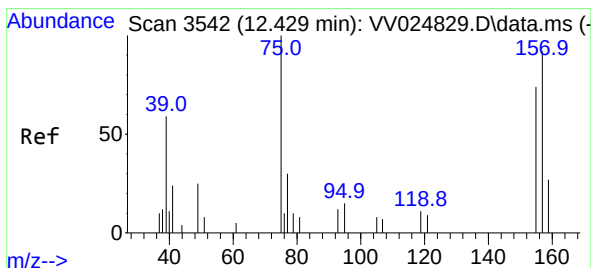
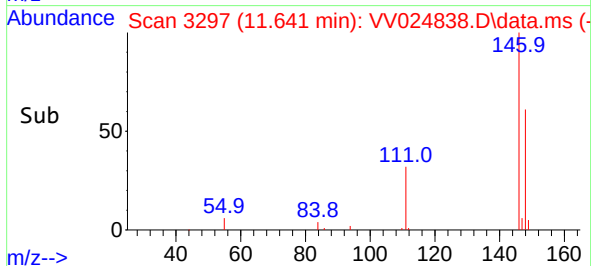
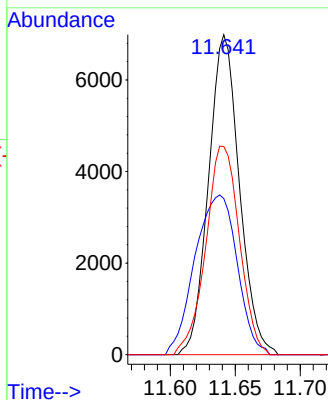
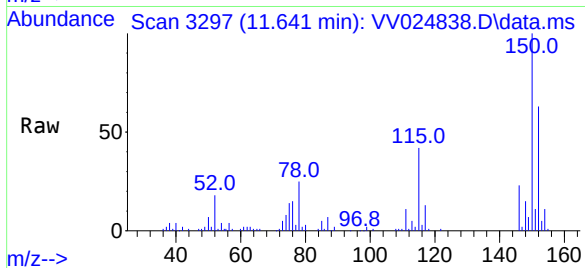
Ion	Ratio	Lower	Upper
146	100		
111	48.8	34.9	52.3
148	65.0	51.4	77.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/01/2022

Supervised By :Mahesh Dadoda 03/01/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.149 ug/L

RT: 12.429 min Scan# 3542

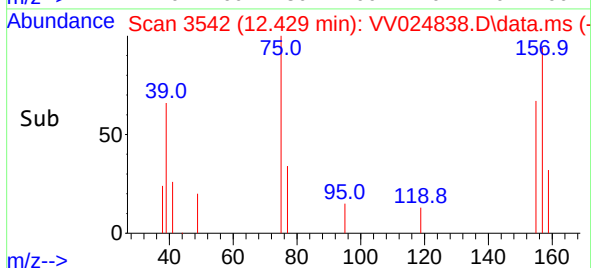
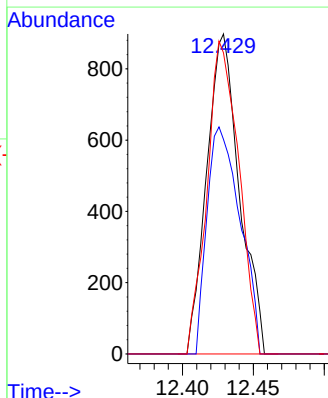
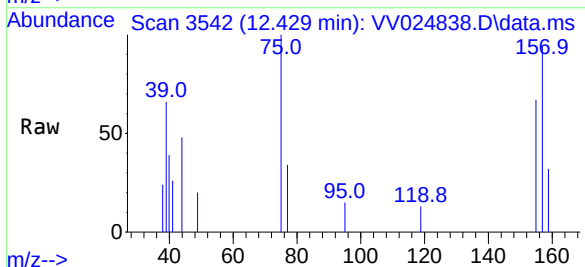
Delta R.T. 0.006 min

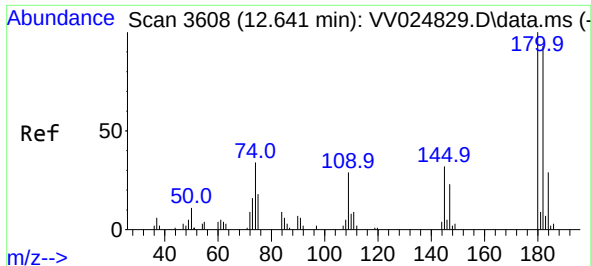
Lab File: VV024838.D

Acq: 28 Feb 2022 16:43

Tgt Ion: 75 Resp: 1442

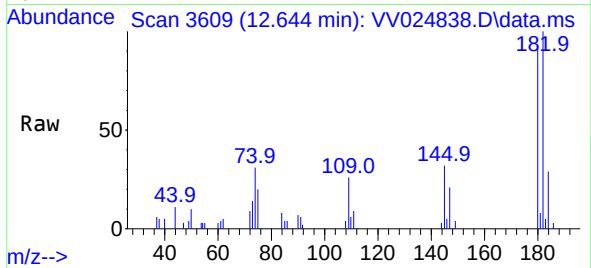
Ion	Ratio	Lower	Upper
75	100		
155	67.0	63.8	95.8
157	94.1	79.3	118.9





#69
 1,3,5-Trichlorobenzene
 Concen: 2.067 ug/L
 RT: 12.644 min Scan# 3608
 Delta R.T. 0.003 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43

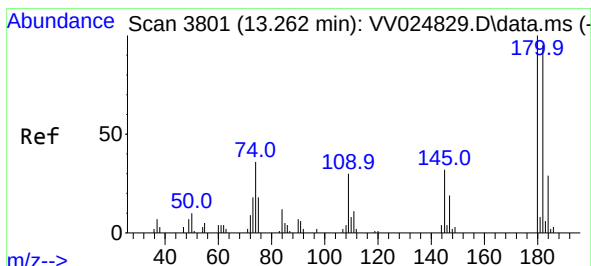
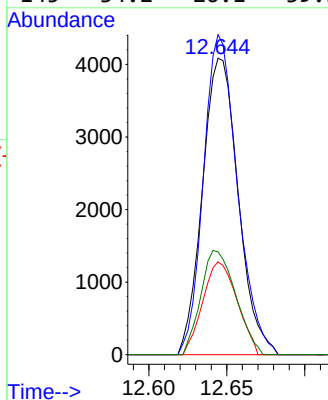
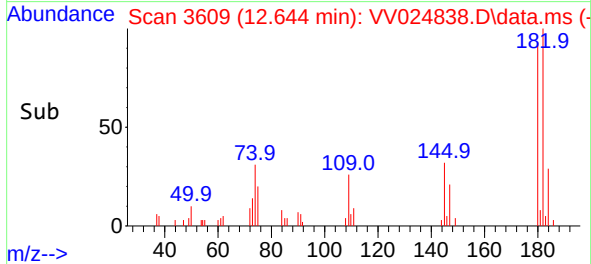
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01



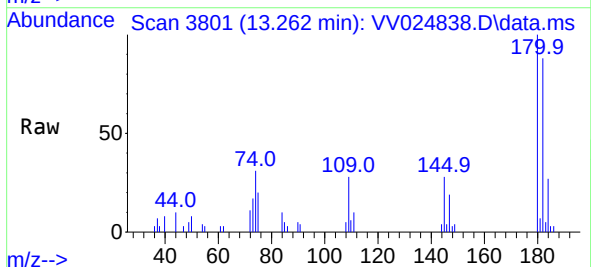
Tgt Ion:180 Resp: 653
 Ion Ratio Lower Upper
 180 100
 182 102.1 75.1 112.7
 184 30.0 23.9 35.9
 145 34.2 26.1 39.1

Manual Integrations
 APPROVED

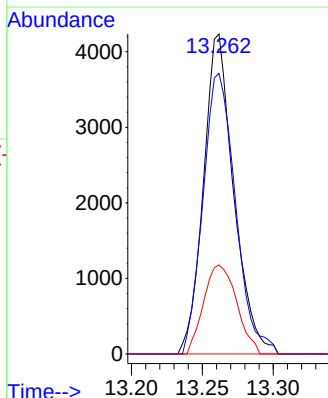
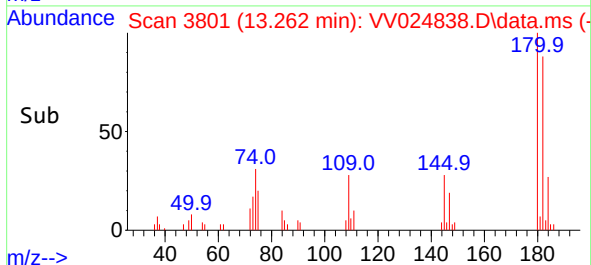
Reviewed By :John Carlone 03/01/2022
 Supervised By :Mahesh Dadoda 03/01/2022

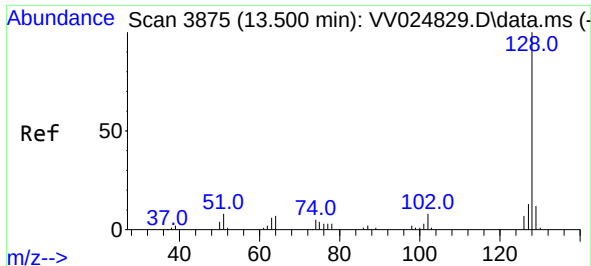


#70
 1,2,4-trichlorobenzene
 Concen: 2.281 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV024838.D
 Acq: 28 Feb 2022 16:43



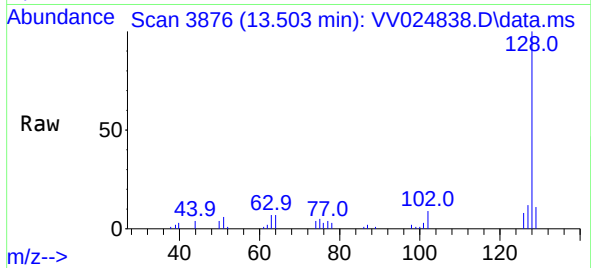
Tgt Ion:180 Resp: 6280
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.0 114.0
 145 30.4 27.6 41.4





#71
Naphthalene
Concen: 2.264 ug/L
RT: 13.503 min Scan# 3875
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43

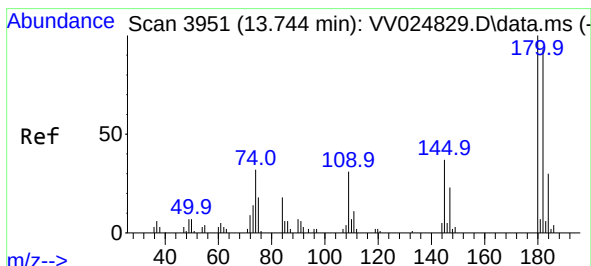
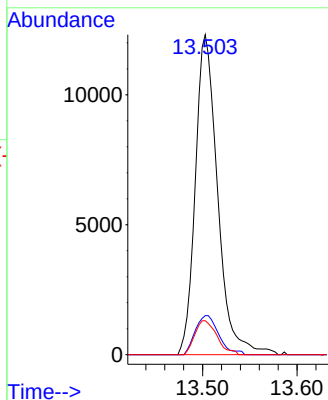
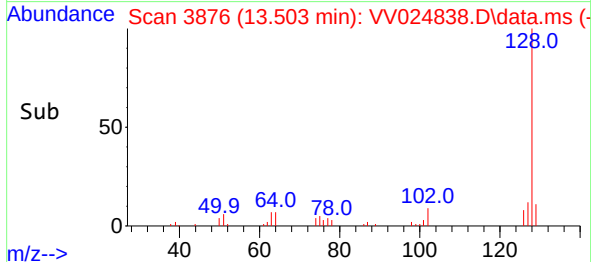
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2022-01



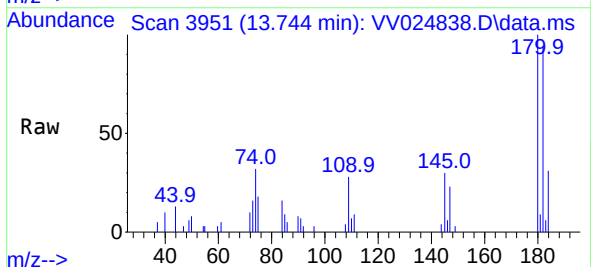
Tgt Ion:128 Resp: 20198
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/01/2022
Supervised By :Mahesh Dadoda 03/01/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.327 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV024838.D
Acq: 28 Feb 2022 16:43



Tgt Ion:180 Resp: 6319
Ion Ratio Lower Upper
180 100
182 94.5 75.9 113.9
145 32.3 28.7 43.1

