

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081822\
 Data File : VW027431.D
 Acq On : 18 Aug 2022 11:49
 Operator : SY/MD
 Sample : N4015-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Aug 18 20:48:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 18 02:23:52 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	278007	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	286598	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	136304	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	91969	48.522	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.040%		
7) Chloroethane-d5	1.564	69	62665	45.225	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.440%		
11) 1,1-Dichloroethene-d2	2.105	63	150984	43.550	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.100%		
21) 2-Butanone-d5	3.879	46	140457	83.252	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.250%		
24) Chloroform-d	4.346	84	183451	47.251	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.500%		
26) 1,2-Dichloroethane-d4	5.027	65	124234	51.538	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.080%		
32) Benzene-d6	5.047	84	352400	51.275	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.540%		
36) 1,2-Dichloropropane-d6	6.066	67	118950	48.655	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.300%		
41) Toluene-d8	7.313	98	294720	50.309	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.620%		
43) trans-1,3-Dichloroprop...	7.622	79	48727	45.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.460%		
47) 2-Hexanone-d5	8.088	63	87423	74.245	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	74.240%		
56) 1,1,2,2-Tetrachloroeth...	10.214	84	157611	39.560	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	79.120%		
66) 1,2-Dichlorobenzene-d4	11.622	152	106761	45.356	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	5584	2.258	ug/L	97
3) Chloromethane	1.240	50	5481	1.940	ug/L	96
5) Vinyl chloride	1.310	62	5443	1.934	ug/L #	54
6) Bromomethane	1.519	94	2547	1.920	ug/L	90
8) Chloroethane	1.584	64	2993	1.909	ug/L	92
9) Trichlorofluoromethane	1.751	101	8477	2.347	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	6551	3.271	ug/L	86
12) 1,1-Dichloroethene	2.117	96	6048	3.140	ug/L #	1
13) Acetone	2.172	43	9374	7.206	ug/L	95
14) Carbon disulfide	2.294	76	11964	1.825	ug/L	95
15) Methyl Acetate	2.436	43	7062	2.387	ug/L #	78
17) trans-1,2-Dichloroethene	2.761	96	4346	2.039	ug/L	75
18) Methyl tert-butyl Ether	2.767	73	15628	2.465	ug/L #	91
19) 1,1-Dichloroethane	3.188	63	9902	2.314	ug/L	91
20) cis-1,2-Dichloroethene	3.912	96	5428	2.451	ug/L	88
22) 2-Butanone	3.992	43	10995m	6.165	ug/L	
23) Bromochloromethane	4.262	128	3532m	2.856	ug/L	
25) Chloroform	4.375	83	18076	4.180	ug/L	96
27) 1,2-Dichloroethane	5.137	62	8054	2.391	ug/L #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.674	56	6624	2.007	ug/L #	79
30) 1,1,1-Trichloroethane	4.606	97	9402	2.475	ug/L #	91
31) Carbon tetrachloride	4.831	117	7619	2.310	ug/L	90
33) Benzene	5.101	78	21926	2.381	ug/L	100
35) Methylcyclohexane	6.124	83	6638	1.914	ug/L #	73
37) 1,2-Dichloropropane	6.178	63	5600	2.170	ug/L #	93
38) Bromodichloromethane	6.513	83	8259	2.443	ug/L	97
39) cis-1,3-Dichloropropene	7.034	75	7598	2.223	ug/L	83
40) 4-Methyl-2-pentanone	7.230	43	14760	4.010	ug/L #	87
42) Toluene	7.391	91	20690	2.210	ug/L	97
44) trans-1,3-Dichloropropene	7.654	75	9920m	2.954	ug/L	
45) 1,1,2-Trichloroethane	7.841	97	6469	2.601	ug/L	94
46) Tetrachloroethene	7.976	164	3961	2.295	ug/L	91
48) 2-Hexanone	8.146	43	19224	6.558	ug/L #	79
49) Dibromochloromethane	8.246	129	6365	2.421	ug/L	98
50) 1,2-Dibromoethane	8.355	107	6254	2.444	ug/L #	93
51) Chlorobenzene	8.879	112	14985	2.386	ug/L	97
52) Ethylbenzene	9.014	91	19547	2.023	ug/L	99
53) m,p-Xylene	9.143	106	6910	1.892	ug/L	99
54) o-Xylene	9.545	106	6631	1.864	ug/L	89
55) Styrene	9.567	104	11078	1.768	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	11435	2.745	ug/L	97
59) Bromoform	9.735	173	4620	2.853	ug/L	94
60) Isopropylbenzene	9.931	105	16257	1.893	ug/L #	95
61) 1,2,3-Trichloropropane	10.275	75	7686	2.456	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	13889	1.958	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	12711	1.829	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	9206	2.211	ug/L	91
65) 1,4-Dichlorobenzene	11.271	146	10328	2.357	ug/L	93
67) 1,2-Dichlorobenzene	11.641	146	11455	2.626	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.429	75	2191	2.496	ug/L	96
69) 1,3,5-Trichlorobenzene	12.648	180	6501	2.325	ug/L	96
70) 1,2,4-trichlorobenzene	13.265	180	5252	2.261	ug/L	94
71) Naphthalene	13.506	128	15017	1.888	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	5413	2.103	ug/L	99

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

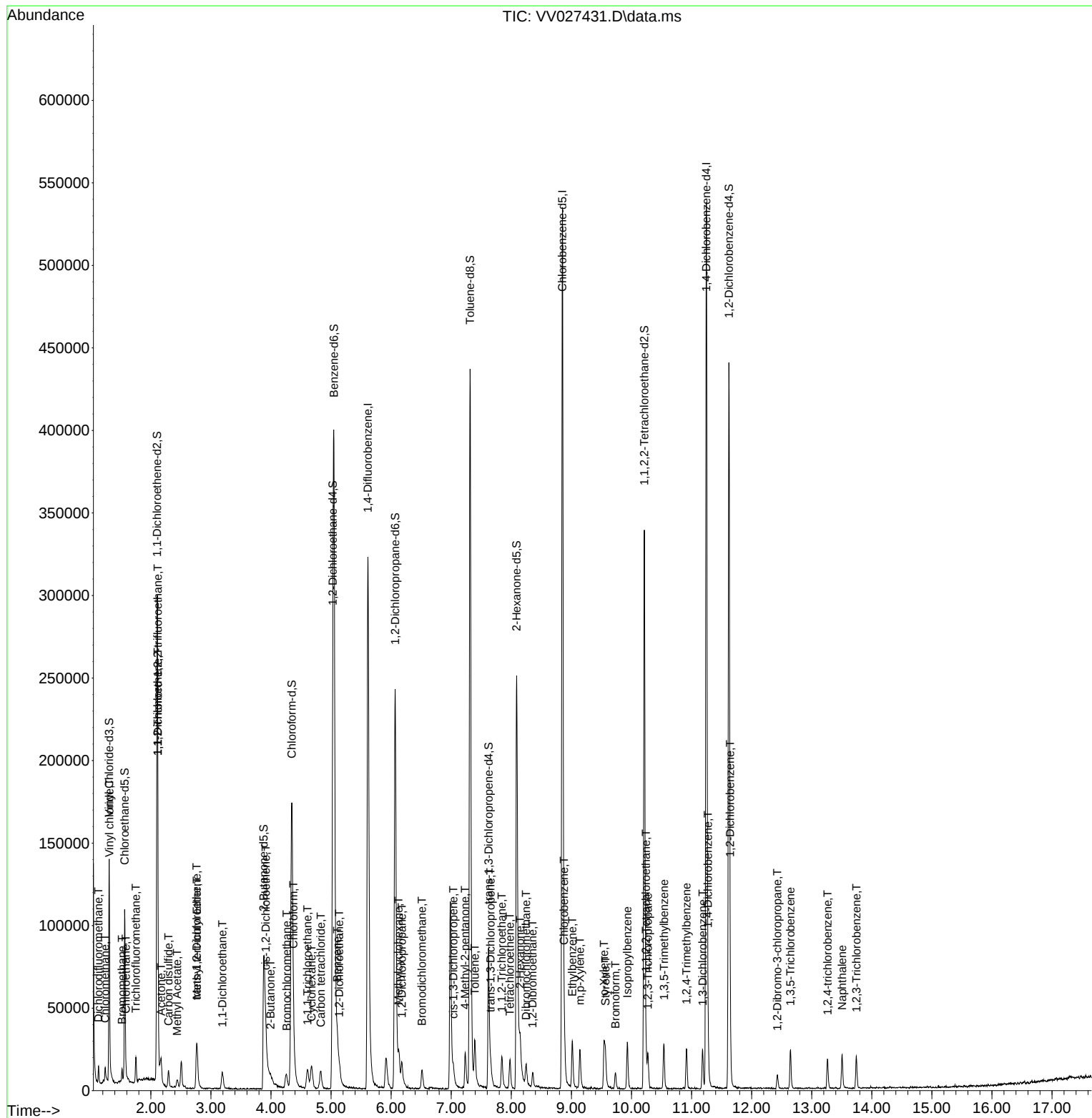
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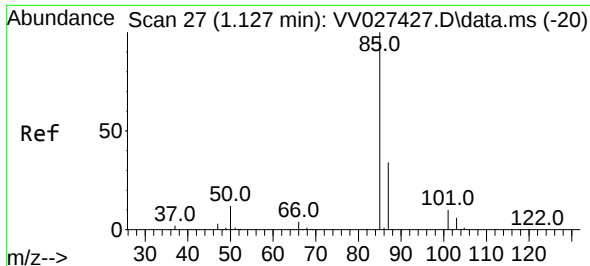
Instrument :
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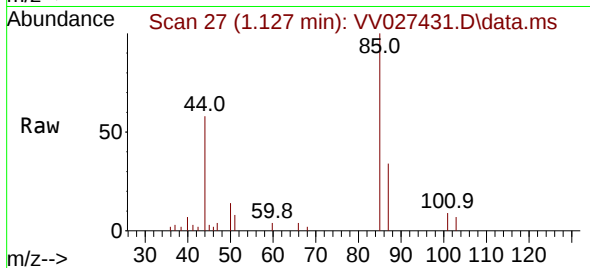
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#2
 Dichlorodifluoromethane
 Concen: 2.258 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

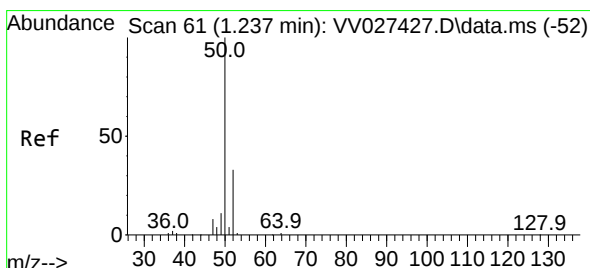
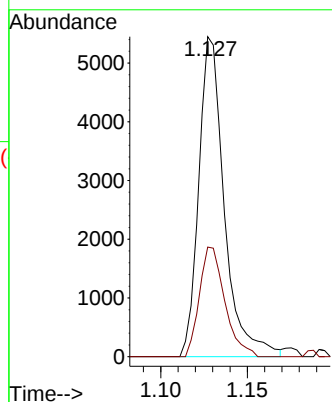
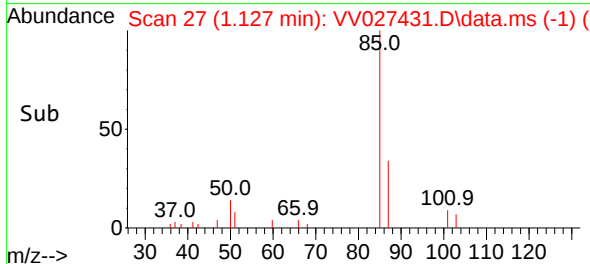
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 85 Resp: 5584
 Ion Ratio Lower Upper
 85 100
 87 34.0 26.1 39.1

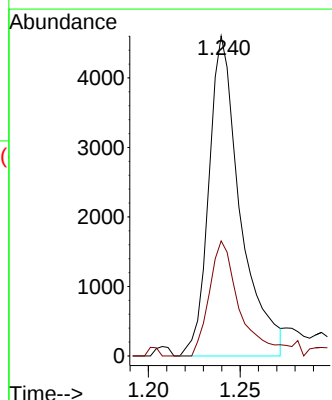
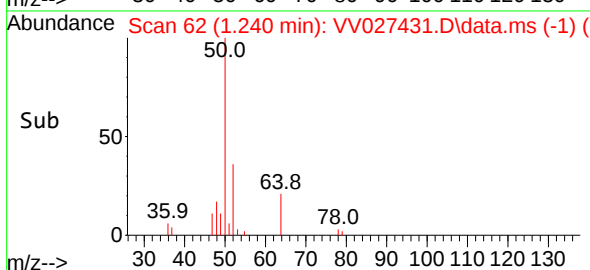
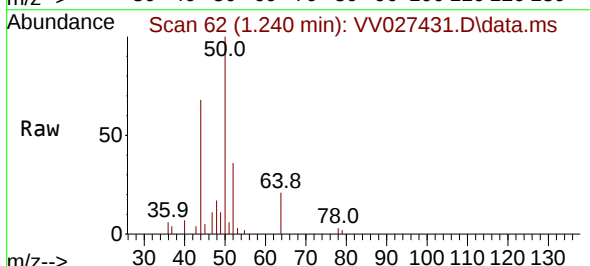
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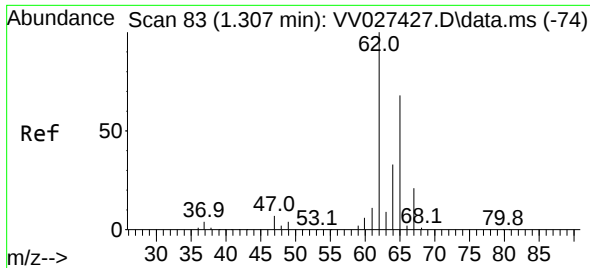
Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022



#3
 Chloromethane
 Concen: 1.940 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

Tgt Ion: 50 Resp: 5481
 Ion Ratio Lower Upper
 50 100
 52 35.9 23.5 43.7





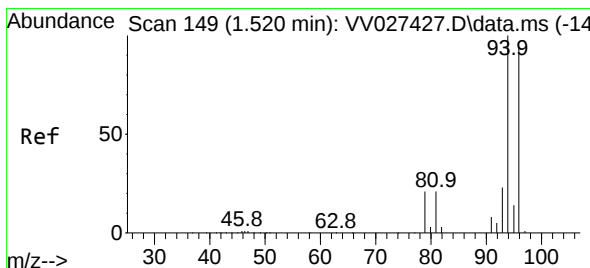
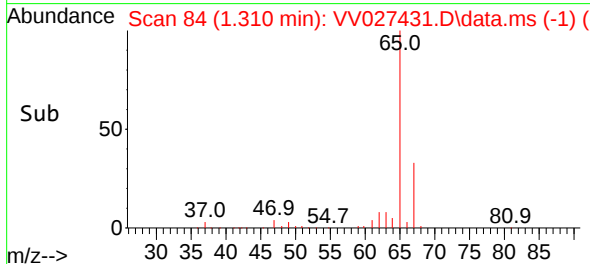
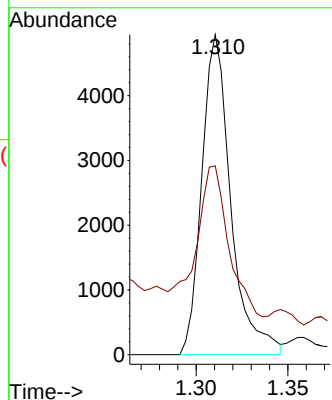
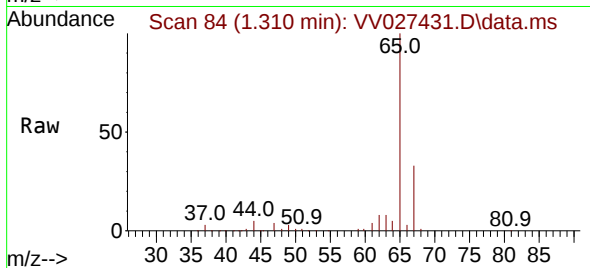
#5
 Vinyl chloride
 Concen: 1.934 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 62 Resp: 544
 Ion Ratio Lower Upper
 62 100
 64 59.0 23.2 43.2

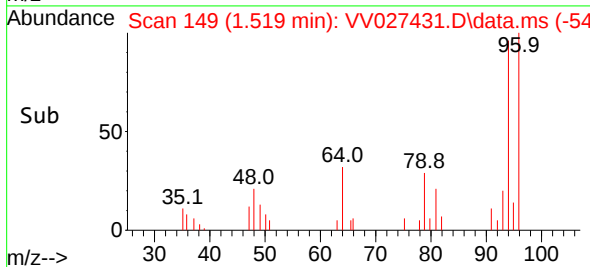
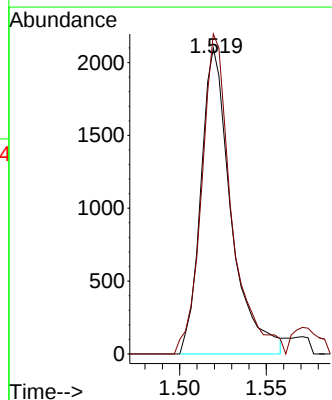
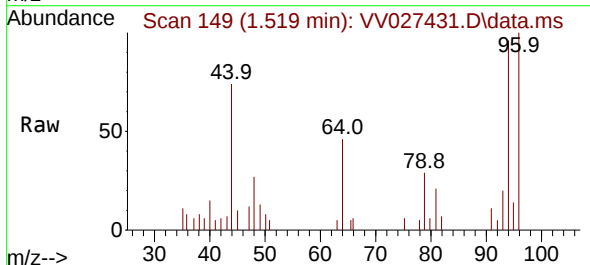
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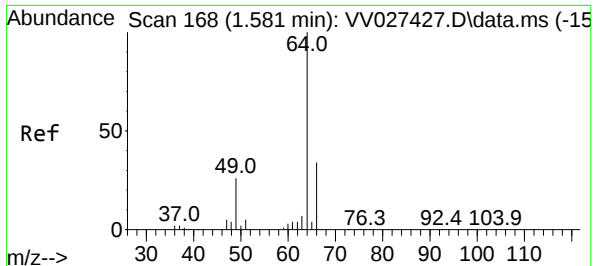
Reviewed By :Mahesh Dadoda 08/19/2022
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#6
 Bromomethane
 Concen: 1.920 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

Tgt Ion: 94 Resp: 2547
 Ion Ratio Lower Upper
 94 100
 96 104.6 66.1 122.8





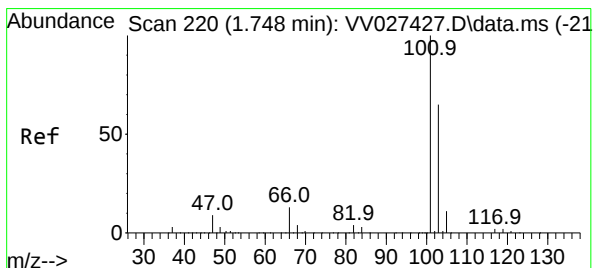
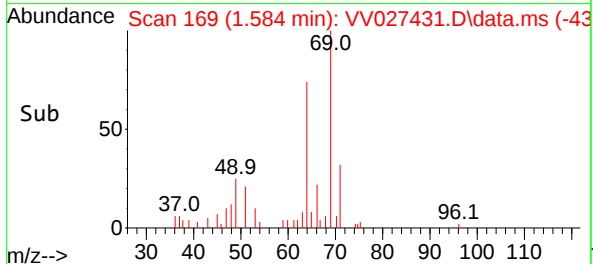
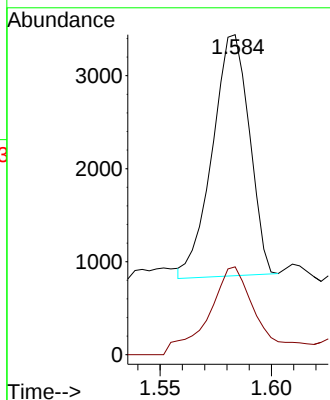
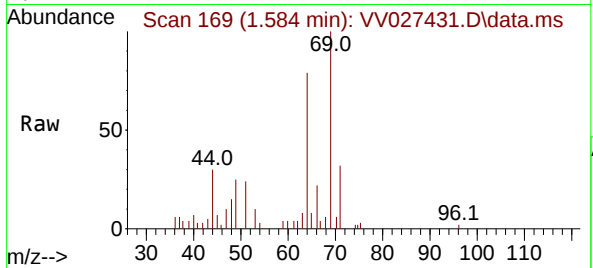
#8
Chloroethane
Concen: 1.909 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument : MSVOA_V
ClientSampleId :
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Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 27.4 22.4 41.6

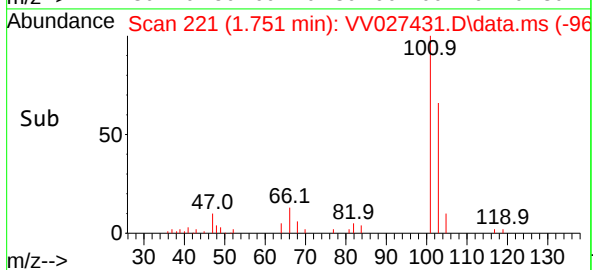
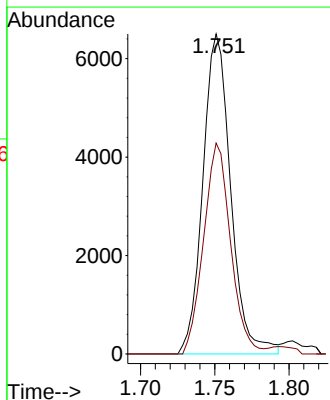
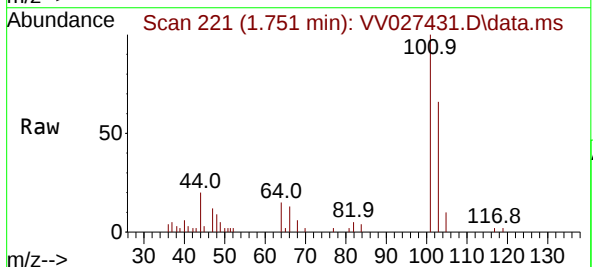
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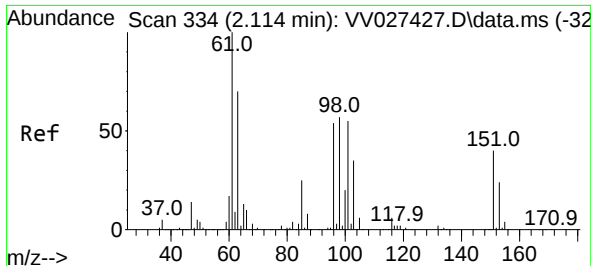
Reviewed By :Mahesh Dadoda 08/19/2022
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#9
Trichlorofluoromethane
Concen: 2.347 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion:101 Resp: 8477
Ion Ratio Lower Upper
101 100
103 63.9 52.4 78.6





#10

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

Concen: 3.271 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

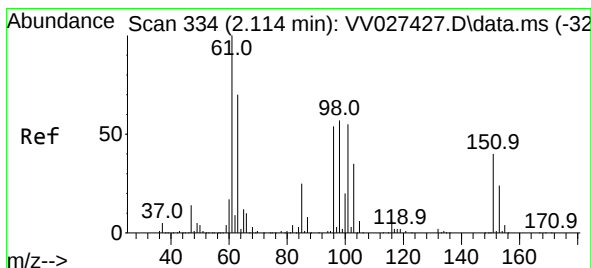
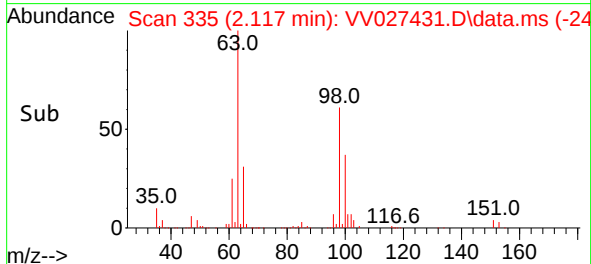
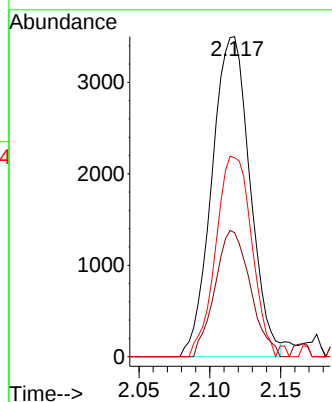
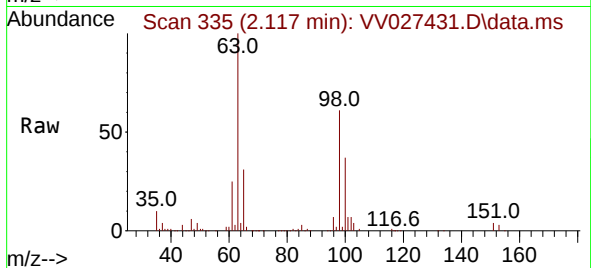
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:101 Resp: 655
 Ion Ratio Lower Upper
 101 100
 85 36.5 34.1 51.1
 151 58.8 57.8 86.8

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#12

1,1-Dichloroethene

Concen: 3.140 ug/L

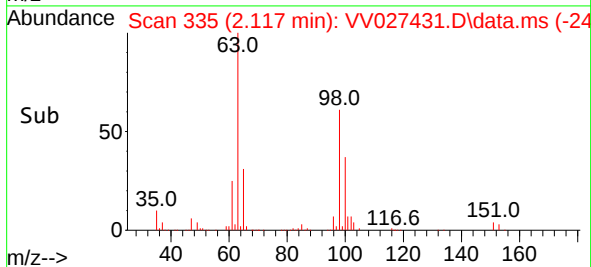
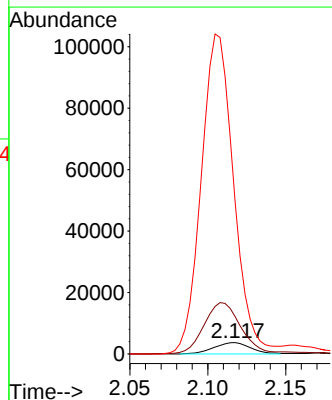
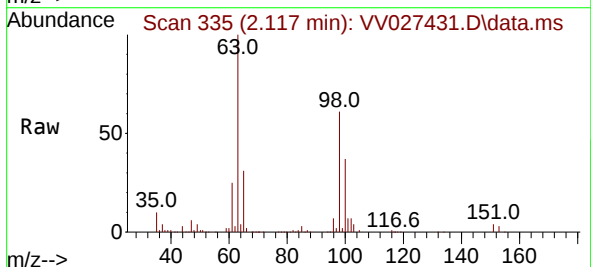
RT: 2.117 min Scan# 335

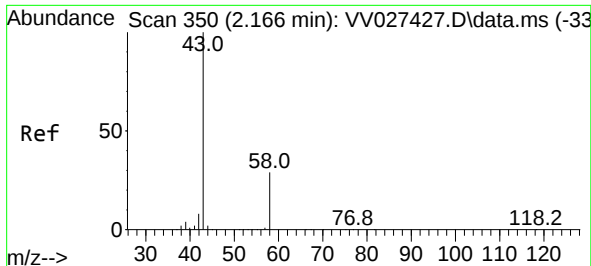
Delta R.T. 0.003 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Tgt Ion: 96 Resp: 6048
 Ion Ratio Lower Upper
 96 100
 61 330.1 114.3 212.3#
 63 1344.6 93.4 173.4#





#13

Acetone

Concen: 7.206 ug/L

RT: 2.172 min Scan# 3

Delta R.T. 0.009 min

Lab File: VV027431.D

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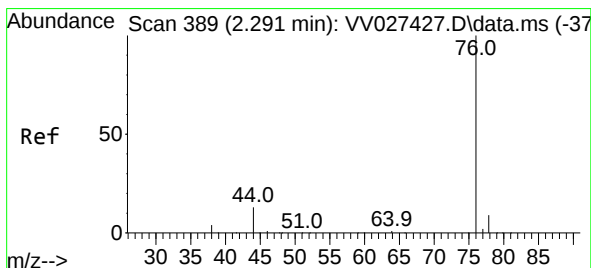
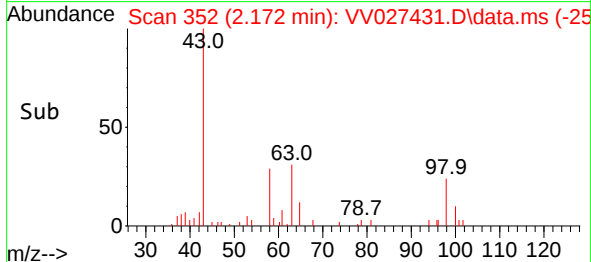
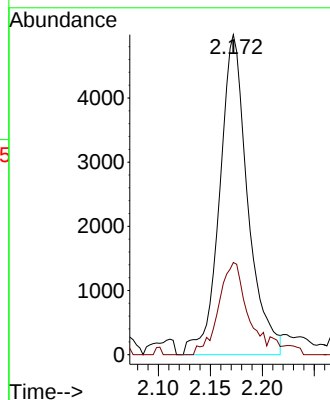
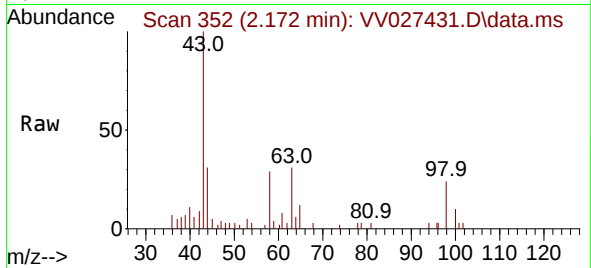
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 43 Resp: 9374
 Ion Ratio Lower Upper
 43 100
 58 27.4 0.0 49.6

Manual Integrations

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#14

Carbon disulfide

Concen: 1.825 ug/L

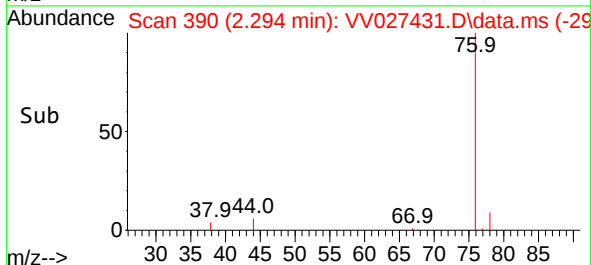
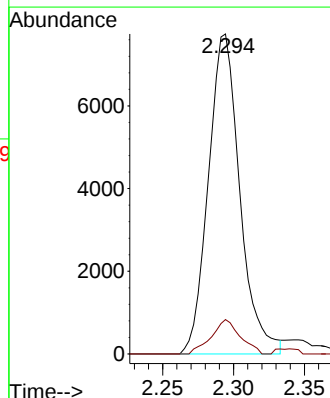
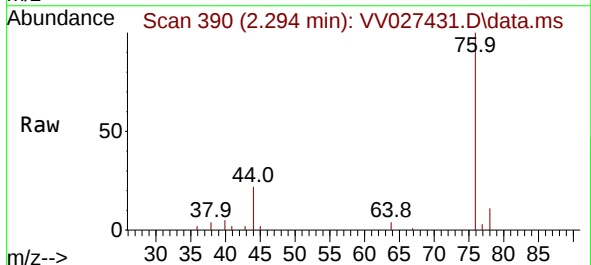
RT: 2.294 min Scan# 390

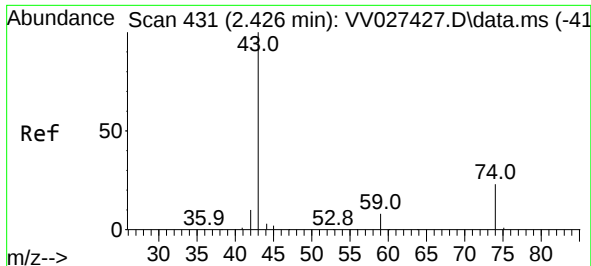
Delta R.T. 0.003 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

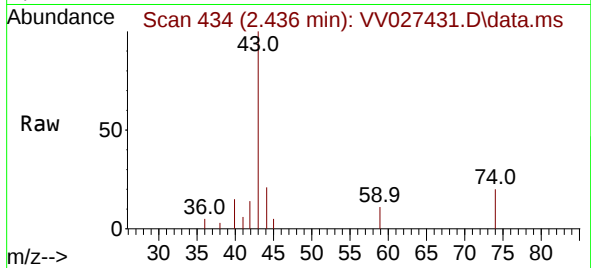
Tgt Ion: 76 Resp: 11964
 Ion Ratio Lower Upper
 76 100
 78 10.7 7.3 10.9





#15
Methyl Acetate
Concen: 2.387 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

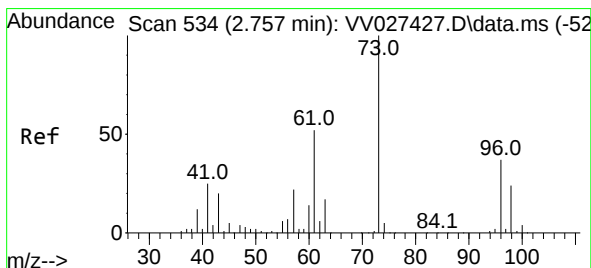
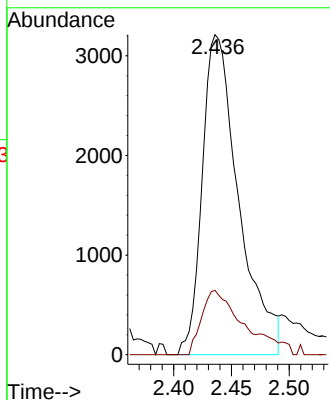
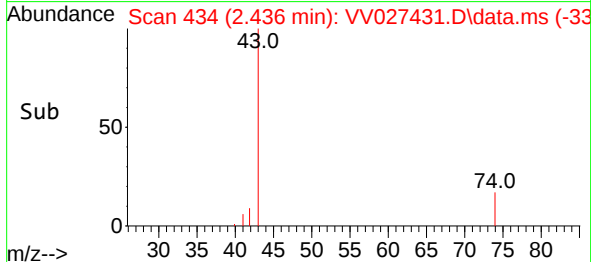
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 43 Resp: 7062
Ion Ratio Lower Upper
43 100
74 19.6 25.5 38.3

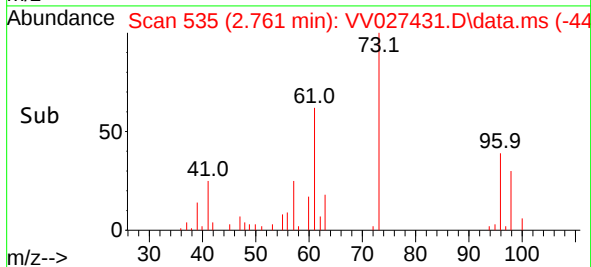
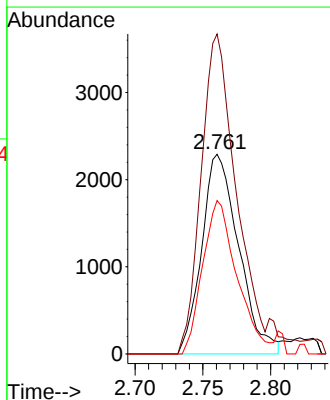
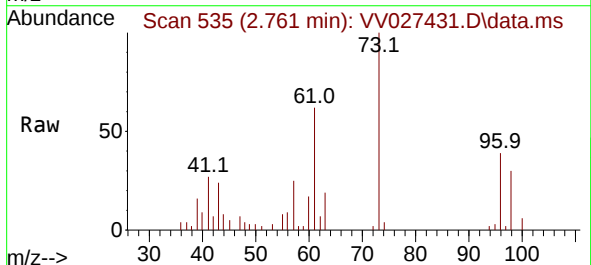
Manual Integrations
APPROVED

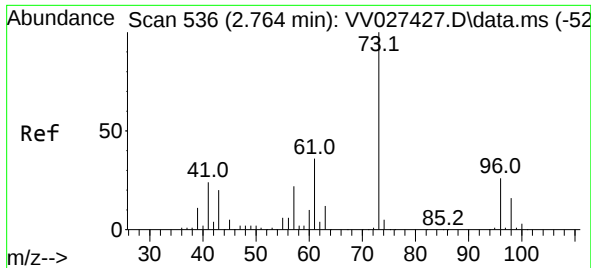
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#17
trans-1,2-Dichloroethene
Concen: 2.039 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

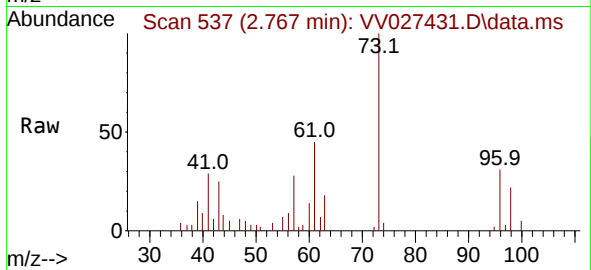
Tgt Ion: 96 Resp: 4346
Ion Ratio Lower Upper
96 100
61 160.3 89.2 165.6
98 76.8 44.6 82.8





#18
Methyl tert-butyl Ether
Concen: 2.465 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

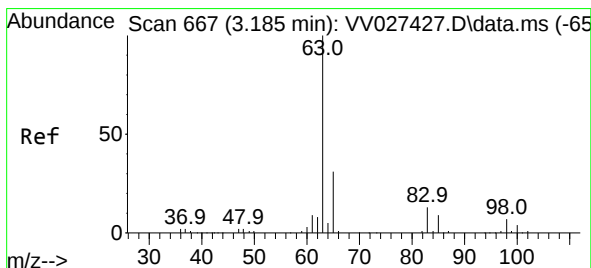
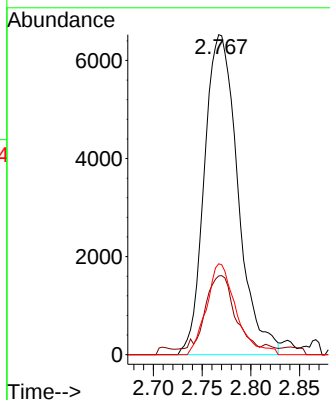
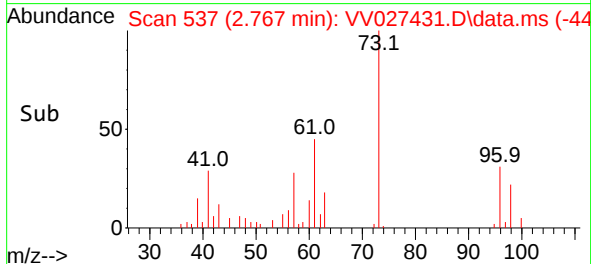
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 73 Resp: 15628
Ion Ratio Lower Upper
73 100
43 20.2 12.6 18.8
57 25.1 17.3 25.9

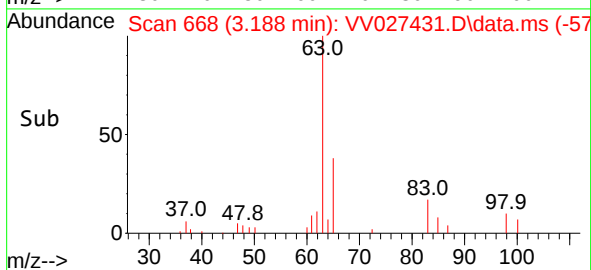
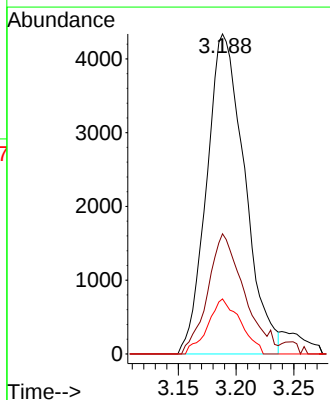
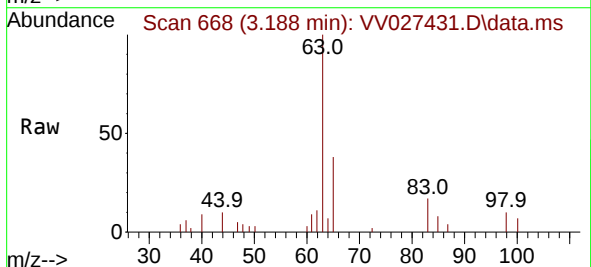
Manual Integrations
APPROVED

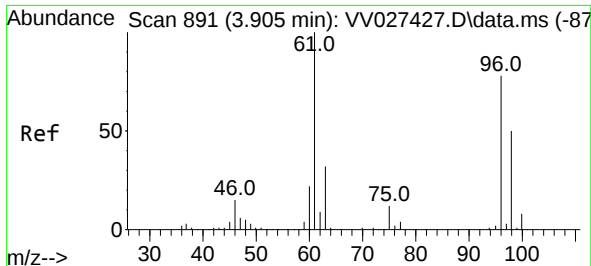
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#19
1,1-Dichloroethane
Concen: 2.314 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

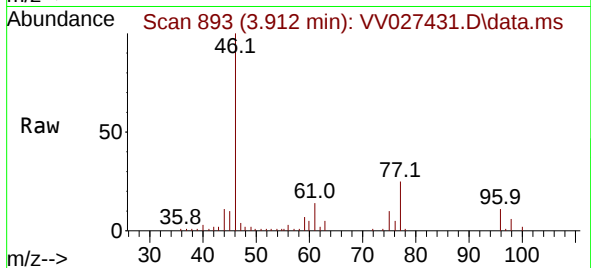
Tgt Ion: 63 Resp: 9902
Ion Ratio Lower Upper
63 100
65 37.6 22.7 42.3
83 17.2 9.5 17.7





#20
 cis-1,2-Dichloroethene
 Concen: 2.451 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.009 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

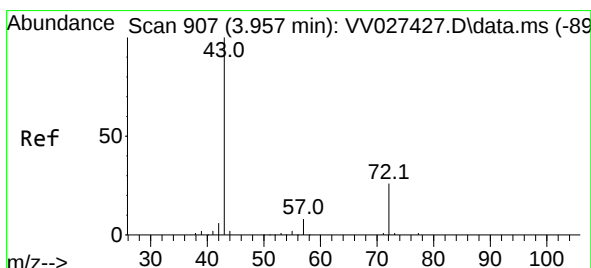
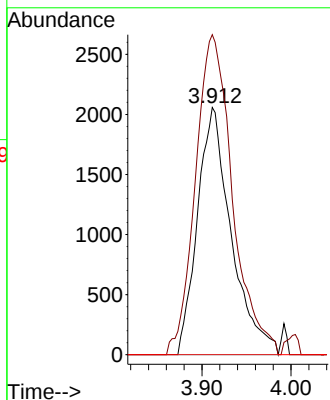
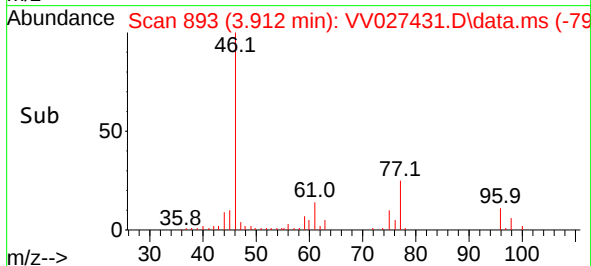
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 96 Resp: 5428
 Ion Ratio Lower Upper
 96 100
 61 129.4 81.8 151.8
 68 0.0 0.0 0.0

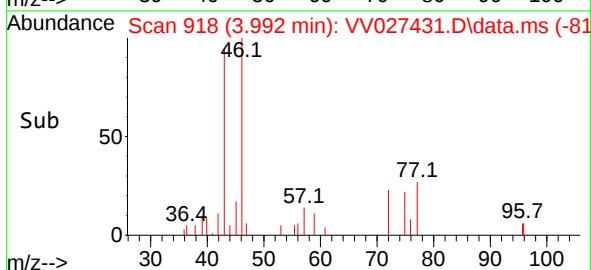
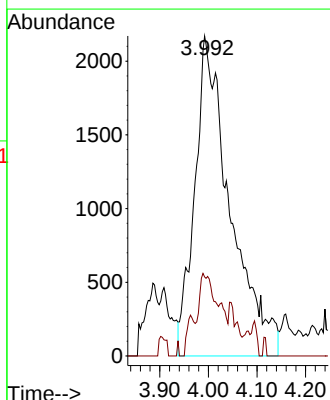
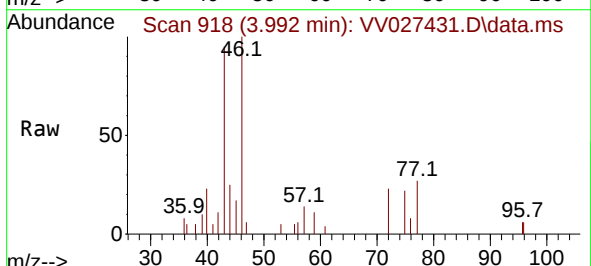
Manual Integrations
 APPROVED

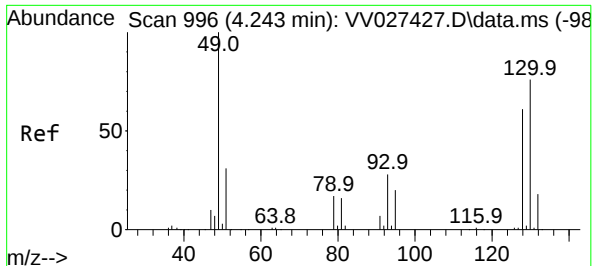
Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022



#22
 2-Butanone
 Concen: 6.165 ug/L m
 RT: 3.992 min Scan# 918
 Delta R.T. 0.038 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

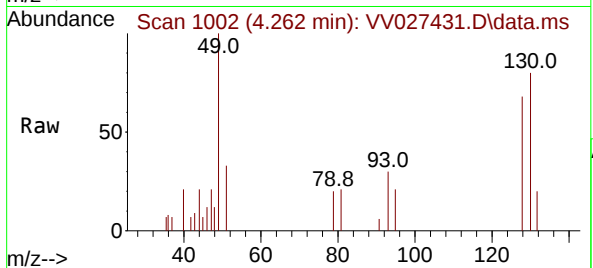
Tgt Ion: 43 Resp: 10995
 Ion Ratio Lower Upper
 43 100
 72 2.7 11.9 35.7#





#23
Bromochloromethane
Concen: 2.856 ug/L m
RT: 4.262 min Scan# 1002
Delta R.T. 0.022 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

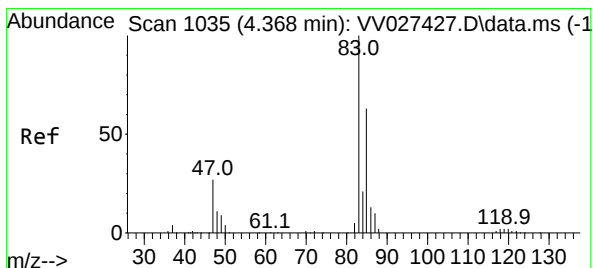
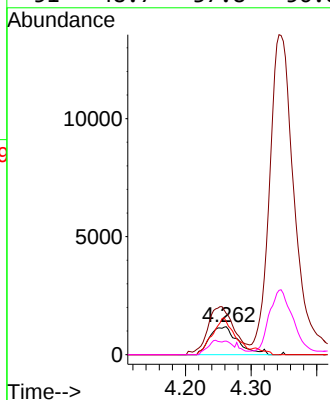
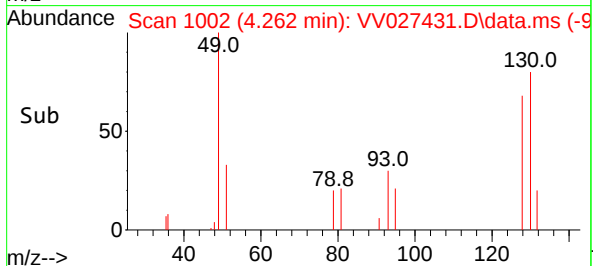
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



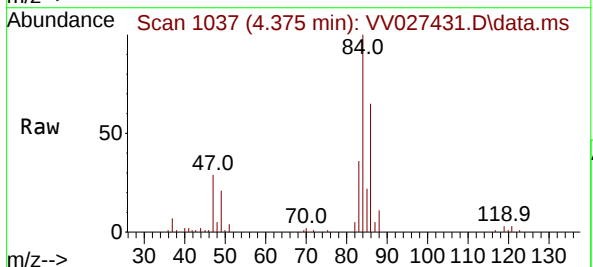
Tgt Ion:128 Resp: 3532
Ion Ratio Lower Upper
128 100
49 147.9 98.7 183.3
130 118.7 89.5 166.1
51 48.7 37.8 56.8

Manual Integrations
APPROVED

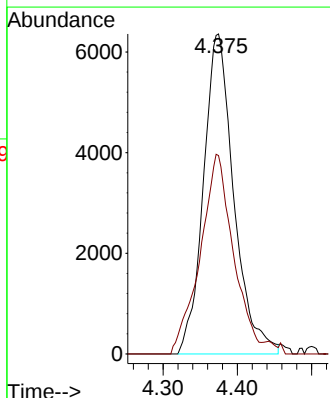
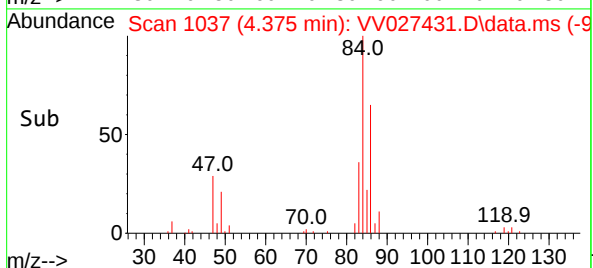
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

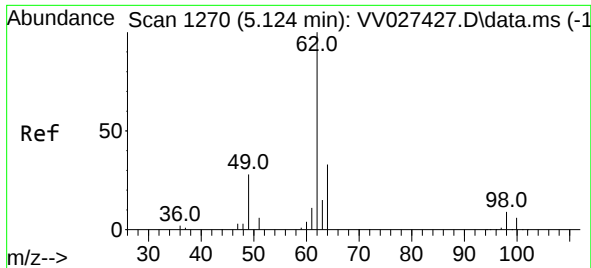


#25
Chloroform
Concen: 4.180 ug/L
RT: 4.375 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49



Tgt Ion: 83 Resp: 18076
Ion Ratio Lower Upper
83 100
85 62.0 45.4 84.4





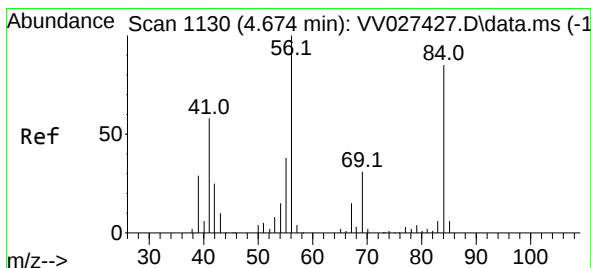
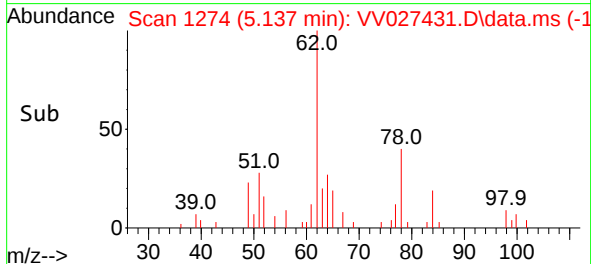
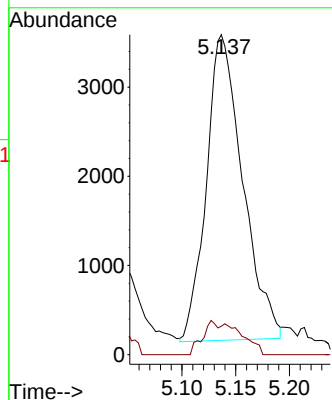
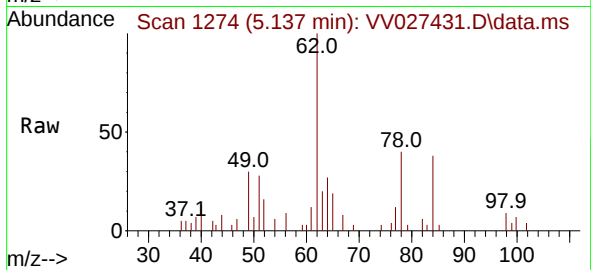
#27
1,2-Dichloroethane
Concen: 2.391 ug/L
RT: 5.137 min Scan# 1124
Delta R.T. 0.013 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 62 Resp: 8054
Ion Ratio Lower Upper
62 100
98 8.9 9.0 13.6

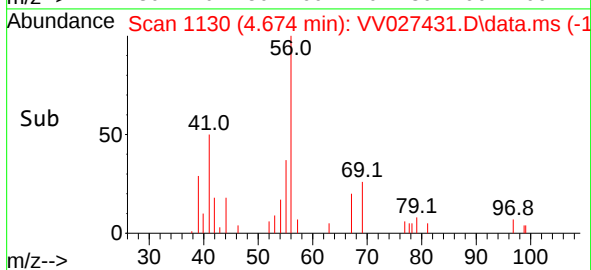
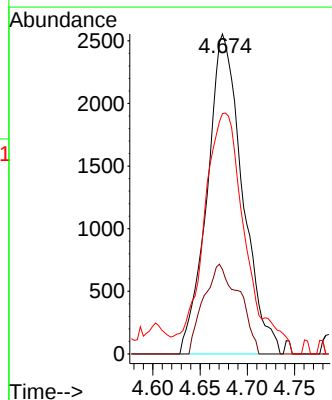
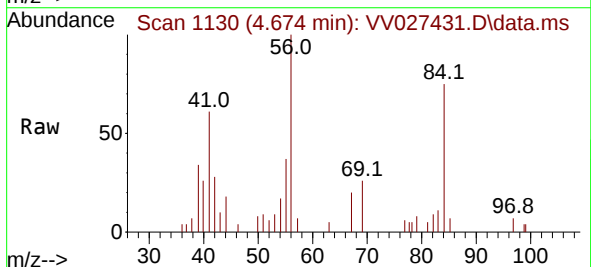
Manual Integrations
APPROVED

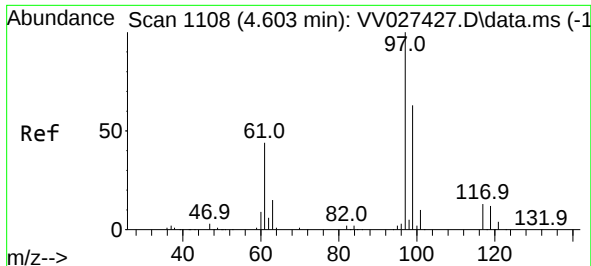
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#29
Cyclohexane
Concen: 2.007 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion: 56 Resp: 6624
Ion Ratio Lower Upper
56 100
69 28.2 25.9 38.9
84 69.2 75.3 112.9





#30

1,1,1-Trichloroethane

Concen: 2.475 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

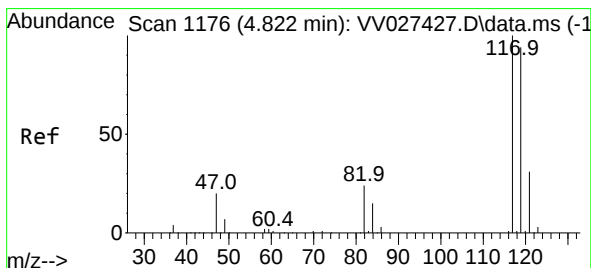
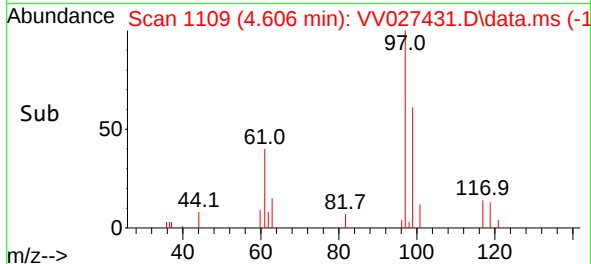
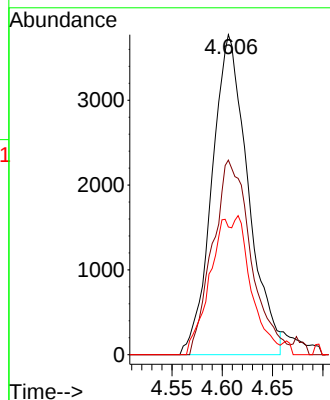
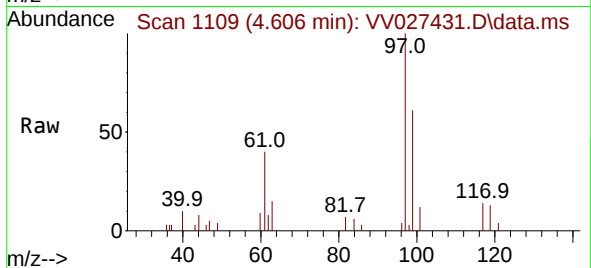
Tgt Ion: 97 Resp: 940

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	26.6	32.1	48.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#31

Carbon tetrachloride

Concen: 2.310 ug/L

RT: 4.831 min Scan# 1179

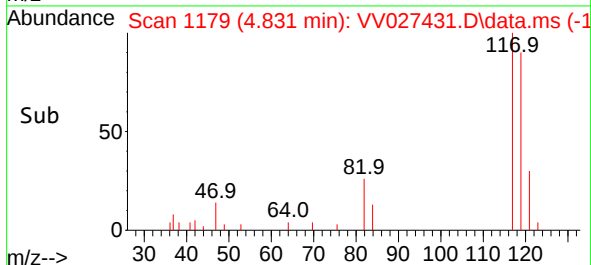
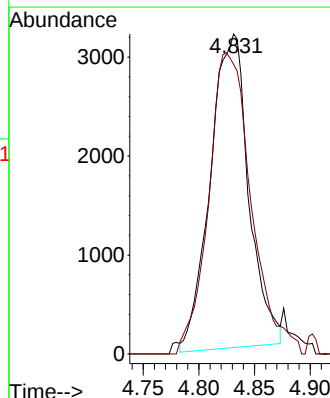
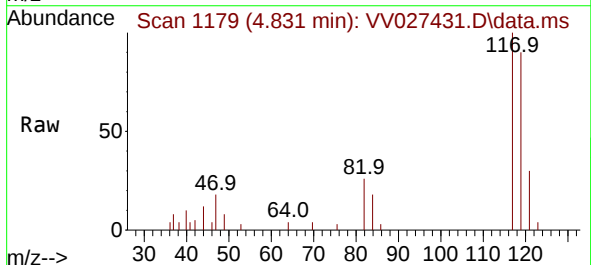
Delta R.T. 0.009 min

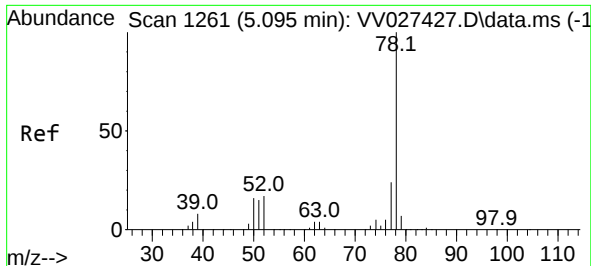
Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Tgt Ion:117 Resp: 7619

Ion	Ratio	Lower	Upper
117	100		
119	106.3	77.0	115.6





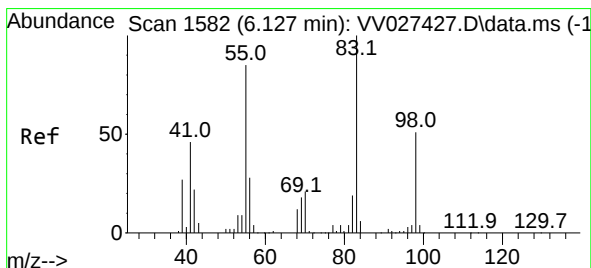
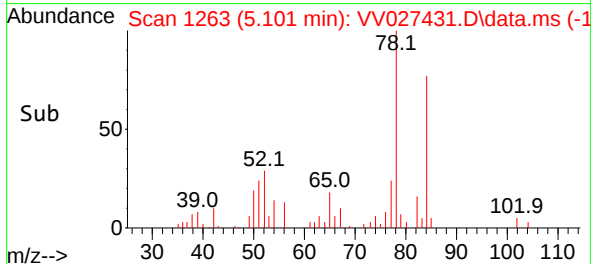
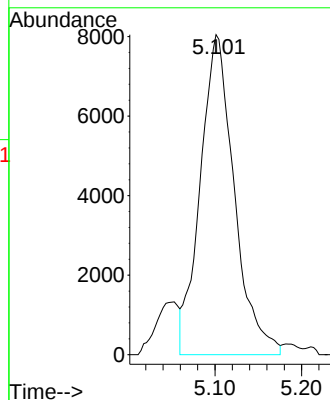
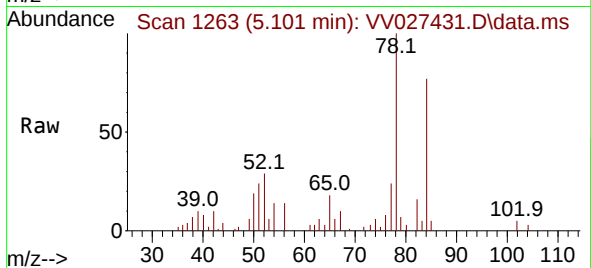
#33
Benzene
Concen: 2.381 ug/L
RT: 5.101 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 78 Resp: 21920

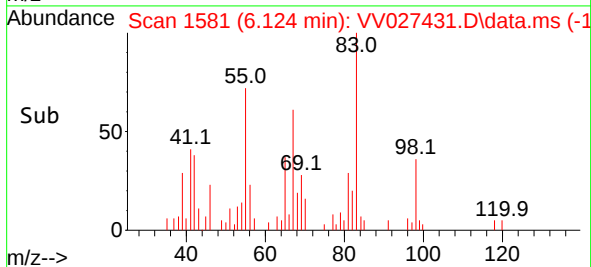
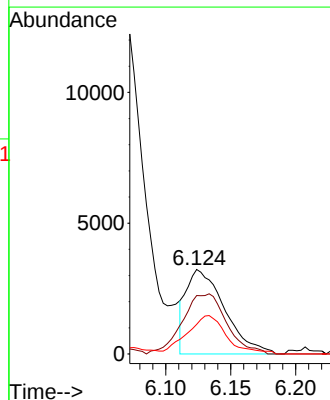
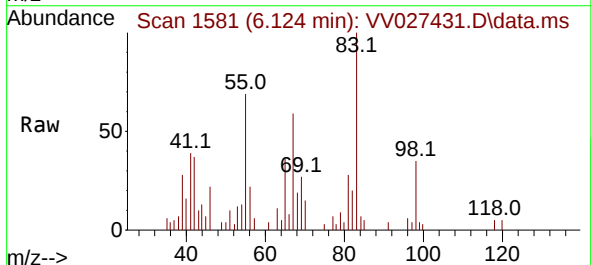
Manual Integrations
APPROVED

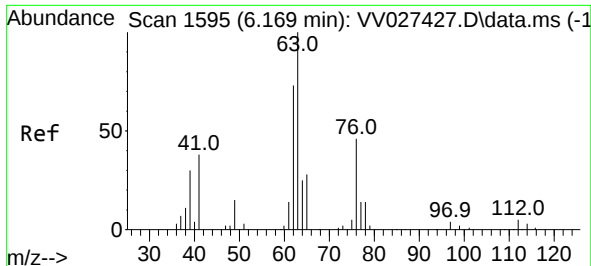
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#35
Methylcyclohexane
Concen: 1.914 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion: 83 Resp: 6638
Ion Ratio Lower Upper
83 100
55 37.9 55.5 83.3#
98 41.1 39.0 58.4





#37

1,2-Dichloropropane

Concen: 2.170 ug/L

RT: 6.178 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 63 Resp: 5600

Ion Ratio Lower Upper

63 100

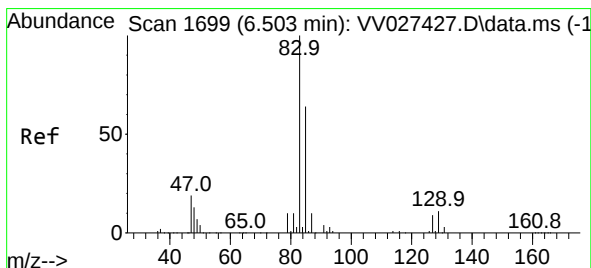
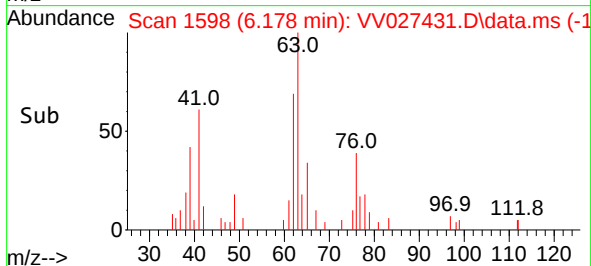
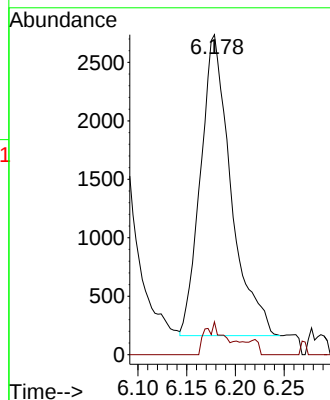
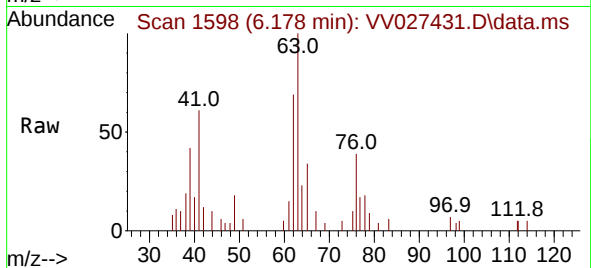
112 2.1 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022

Supervised By :Semsettin Yesilyurt 08/30/2022



#38

Bromodichloromethane

Concen: 2.443 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.009 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

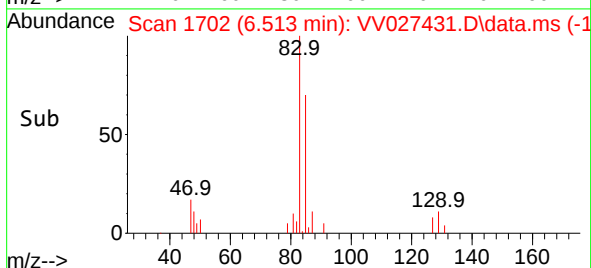
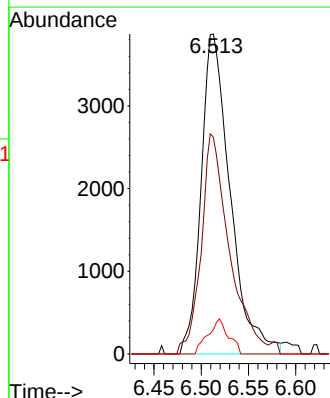
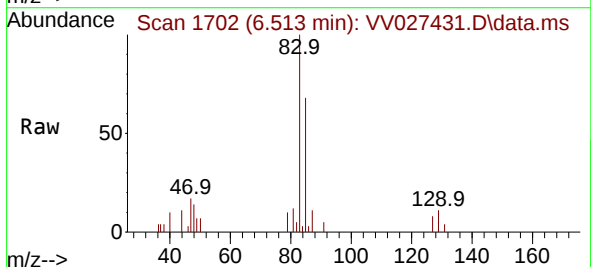
Tgt Ion: 83 Resp: 8259

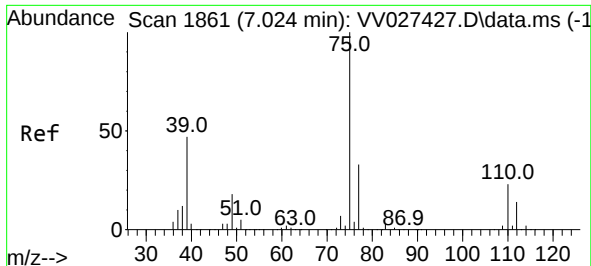
Ion Ratio Lower Upper

83 100

85 67.8 45.5 84.5

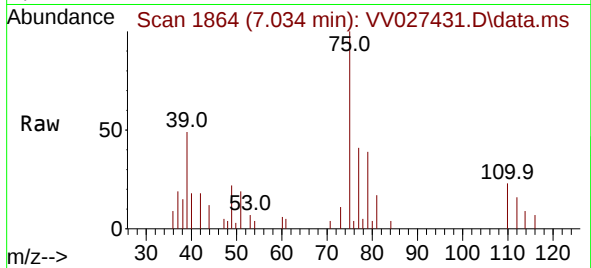
127 7.6 7.0 10.6





#39
 cis-1,3-Dichloropropene
 Concen: 2.223 ug/L
 RT: 7.034 min Scan# 1864
 Delta R.T. 0.013 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

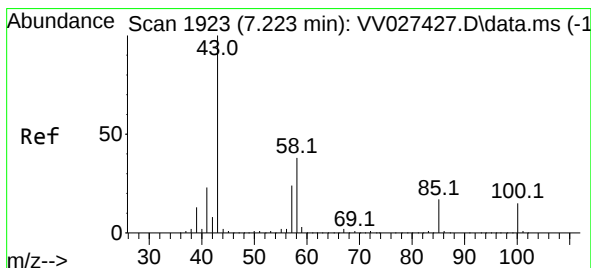
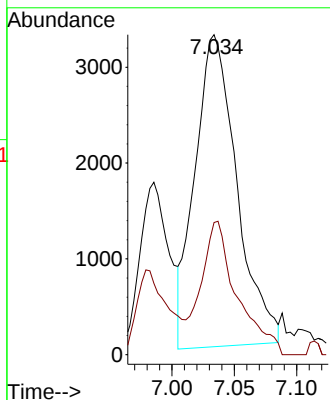
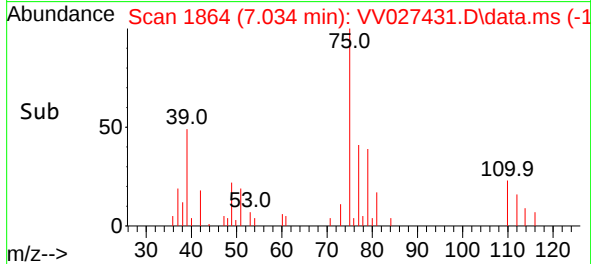
Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 75 Resp: 7598
 Ion Ratio Lower Upper
 75 100
 77 41.3 22.5 41.7

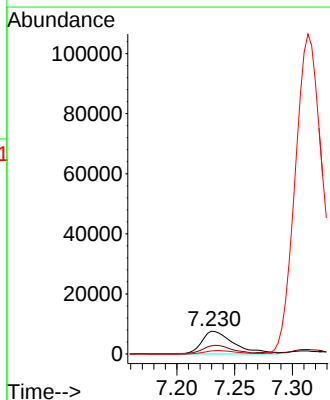
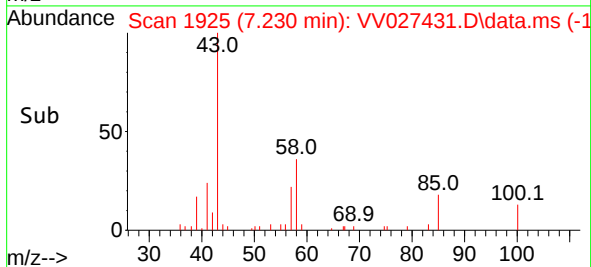
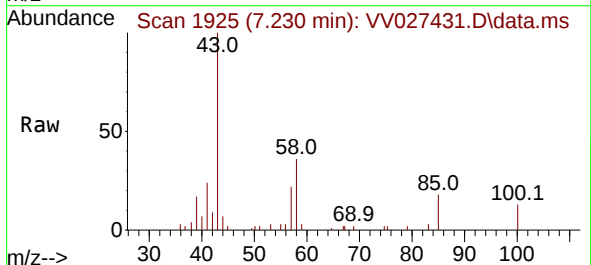
Manual Integrations
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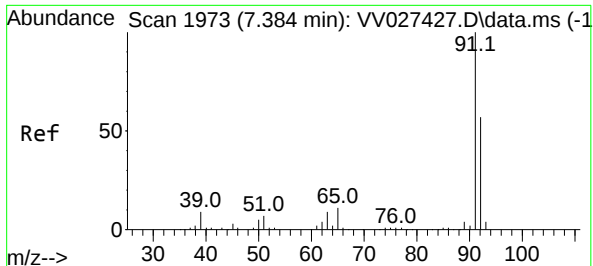
Reviewed By :Mahesh Dadoda 08/19/2022
 Supervised By :Semsettin Yesilyurt 08/30/2022



#40
 4-Methyl-2-pentanone
 Concen: 4.010 ug/L
 RT: 7.230 min Scan# 1925
 Delta R.T. 0.009 min
 Lab File: VV027431.D
 Acq: 18 Aug 2022 11:49

Tgt Ion: 43 Resp: 14760
 Ion Ratio Lower Upper
 43 100
 58 34.8 35.3 52.9#
 100 14.7 15.7 23.5#





#42

Toluene

Concen: 2.210 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 91 Resp: 20690

Ion Ratio Lower Upper

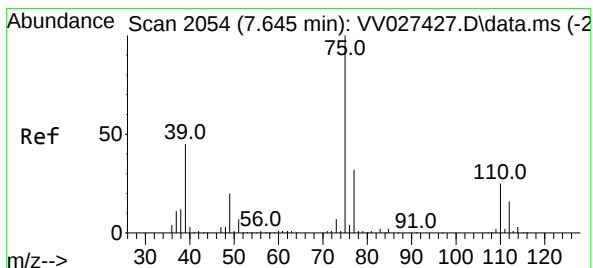
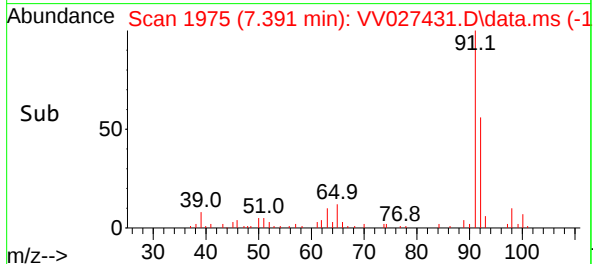
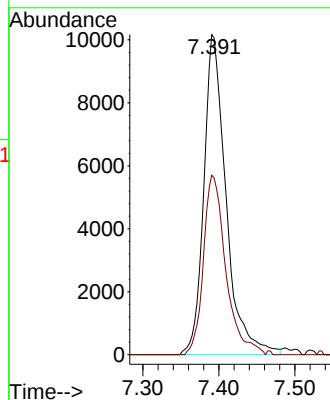
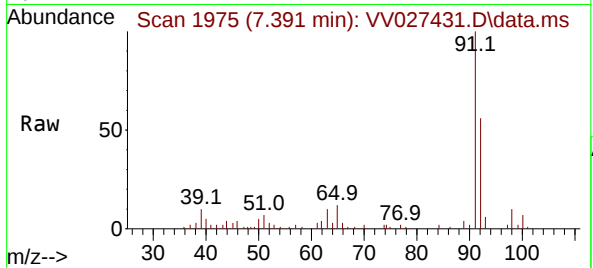
91 100

92 56.0 40.9 76.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#44

trans-1,3-Dichloropropene

Concen: 2.954 ug/L m

RT: 7.654 min Scan# 2057

Delta R.T. 0.009 min

Lab File: VV027431.D

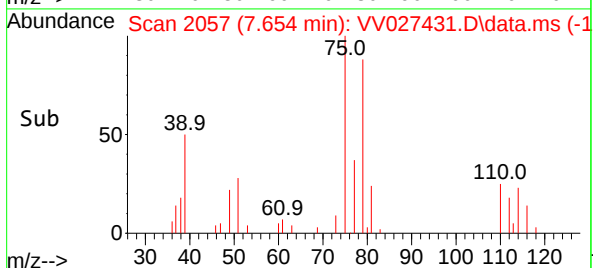
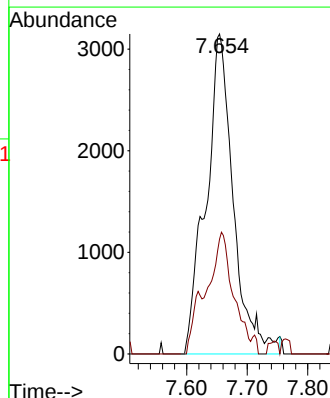
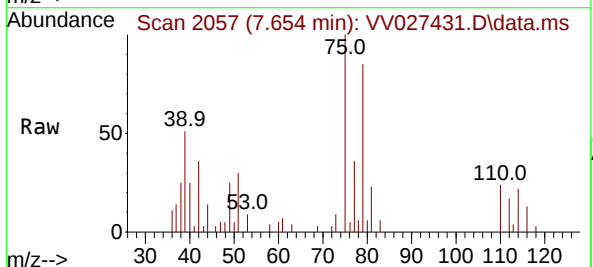
Acq: 18 Aug 2022 11:49

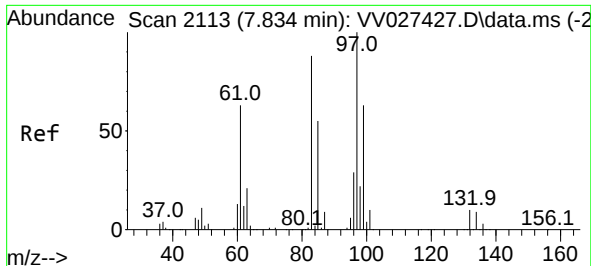
Tgt Ion: 75 Resp: 9920

Ion Ratio Lower Upper

75 100

77 35.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 2.601 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 97 Resp: 6469

Ion Ratio Lower Upper

97 100

99 55.1 43.2 80.2

83 77.7 58.0 107.6

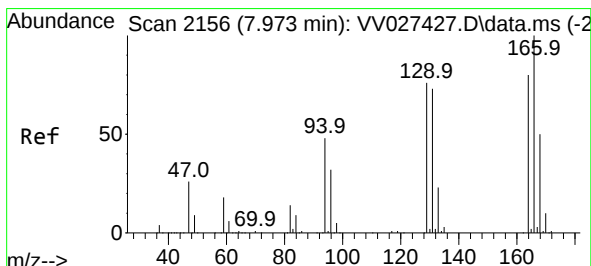
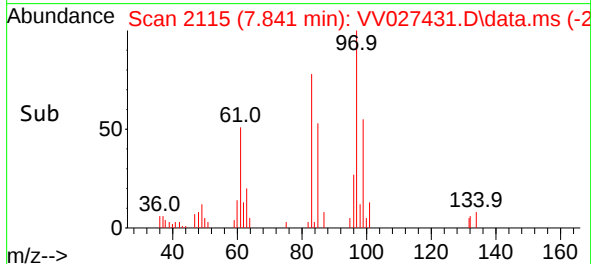
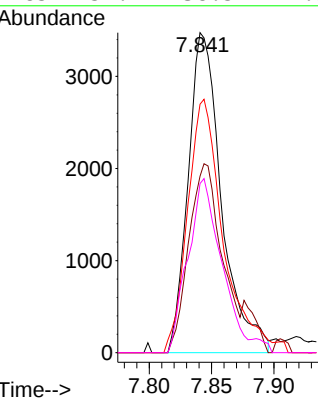
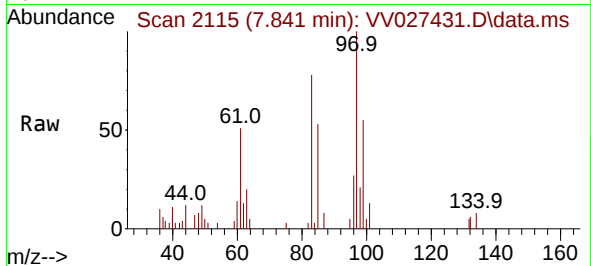
85 52.9 38.5 71.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022

Supervised By :Semsettin Yesilyurt 08/30/2022



#46

Tetrachloroethene

Concen: 2.295 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Tgt Ion:164 Resp: 3961

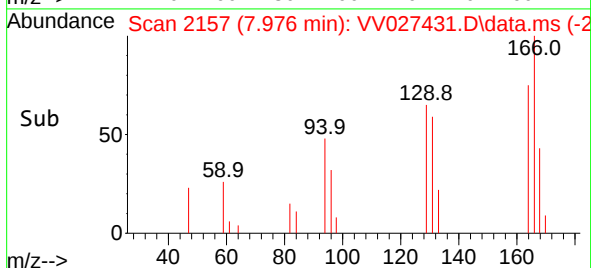
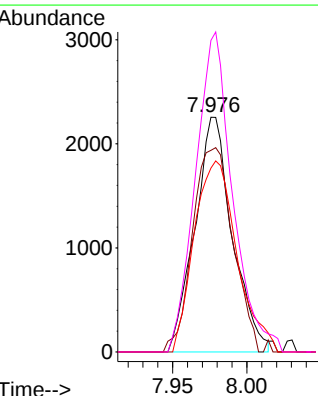
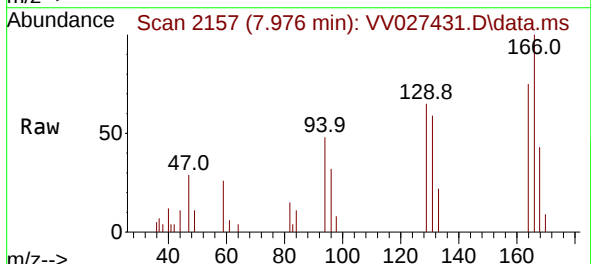
Ion Ratio Lower Upper

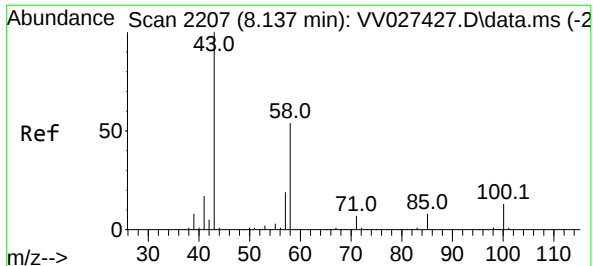
164 100

129 85.9 67.5 125.4

131 78.3 64.3 119.3

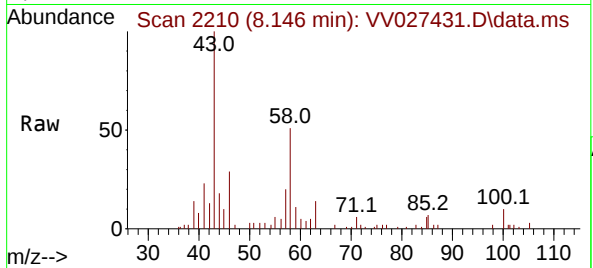
166 132.7 88.9 165.1





#48
2-Hexanone
Concen: 6.558 ug/L
RT: 8.146 min Scan# 2124
Delta R.T. 0.013 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

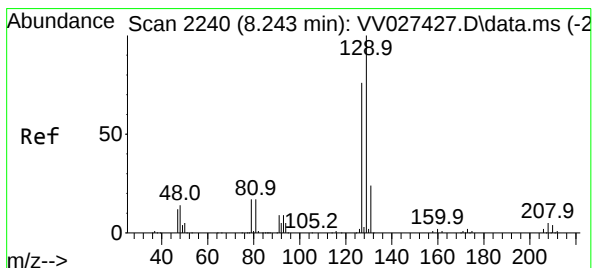
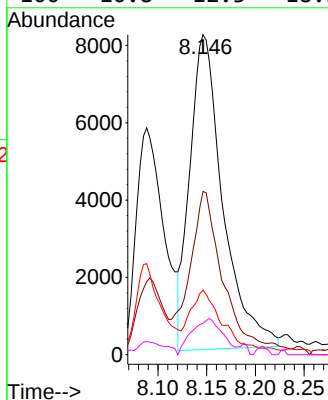
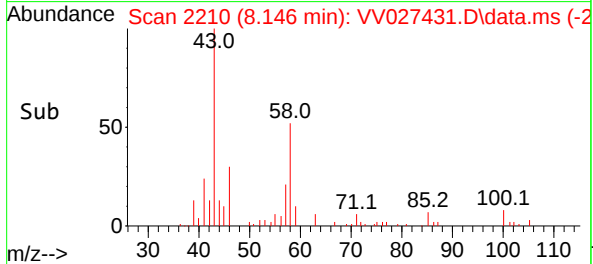
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



Tgt Ion: 43 Resp: 19224
Ion Ratio Lower Upper
43 100
58 46.2 50.8 76.2
57 9.2 17.1 25.7
100 10.8 12.3 18.5

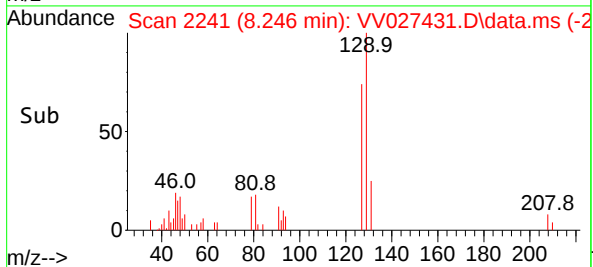
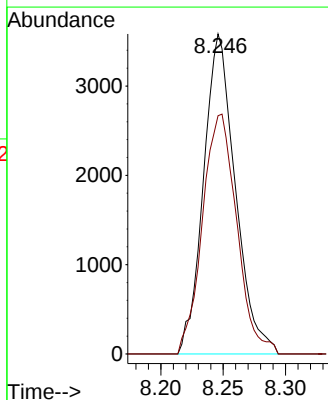
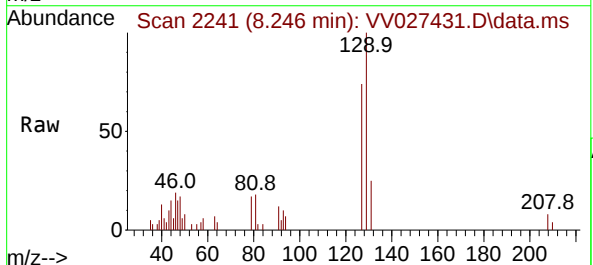
Manual Integrations
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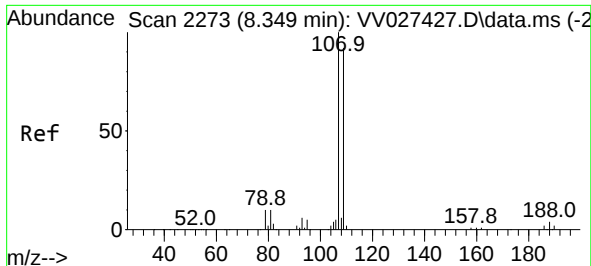
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#49
Dibromochloromethane
Concen: 2.421 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion:129 Resp: 6365
Ion Ratio Lower Upper
129 100
127 74.5 53.3 98.9





#50

1,2-Dibromoethane

Concen: 2.444 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

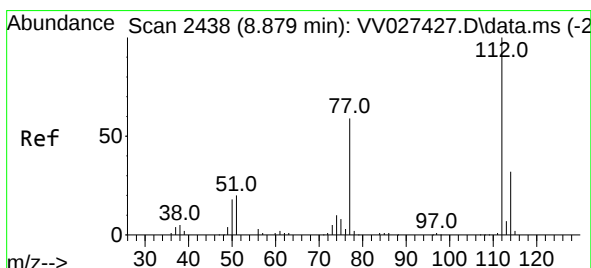
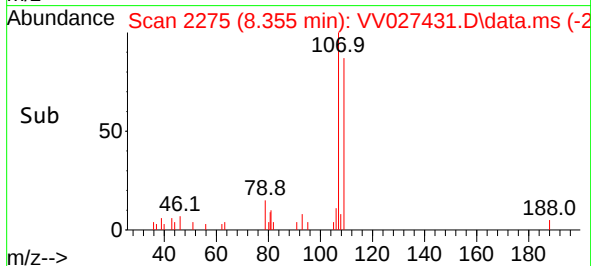
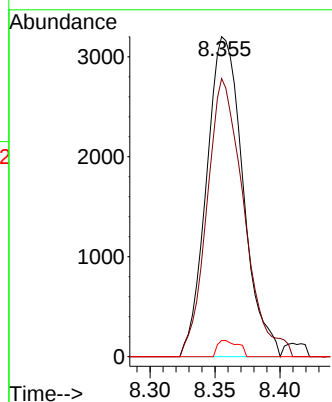
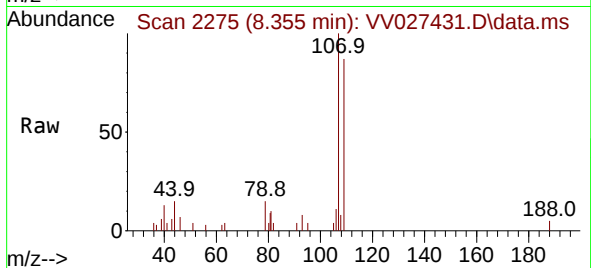
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:	107	Resp:	6254
Ion	Ratio	Lower	Upper
107	100		
109	86.9	65.7	121.9
188	5.1	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#51

Chlorobenzene

Concen: 2.386 ug/L

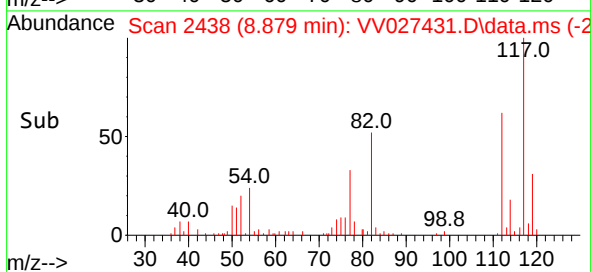
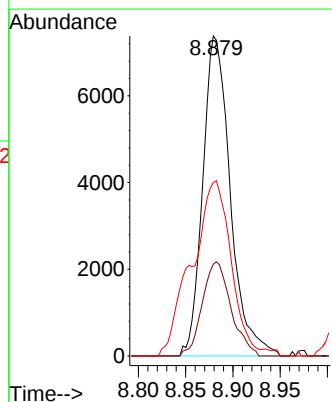
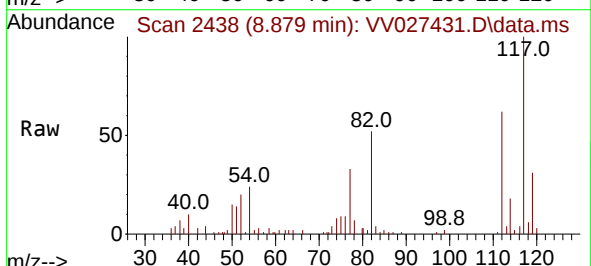
RT: 8.879 min Scan# 2438

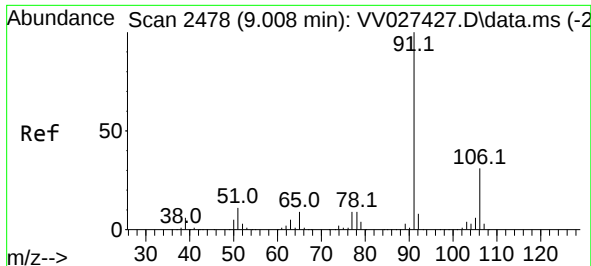
Delta R.T. 0.003 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Tgt Ion:	112	Resp:	14985
Ion	Ratio	Lower	Upper
112	100		
114	28.6	22.8	42.4
77	54.2	44.2	66.2





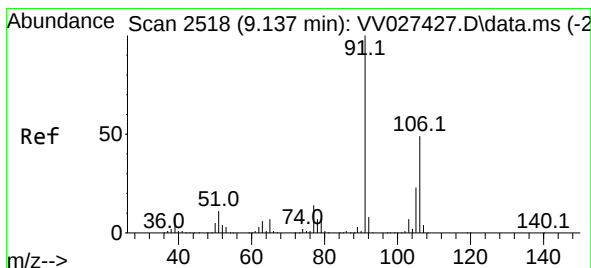
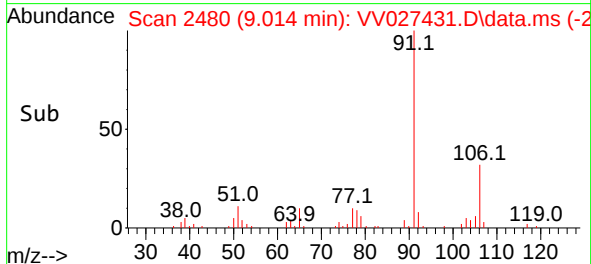
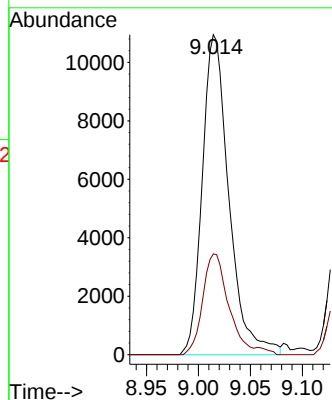
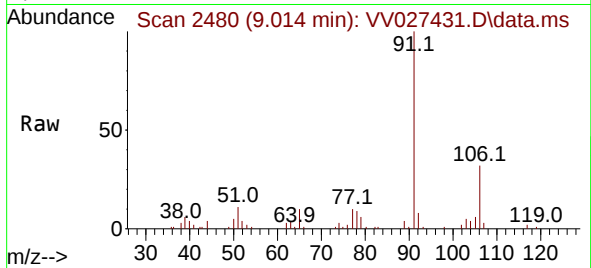
#52
Ethylbenzene
Concen: 2.023 ug/L
RT: 9.014 min Scan# 2478
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 91 Resp: 1954
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.6

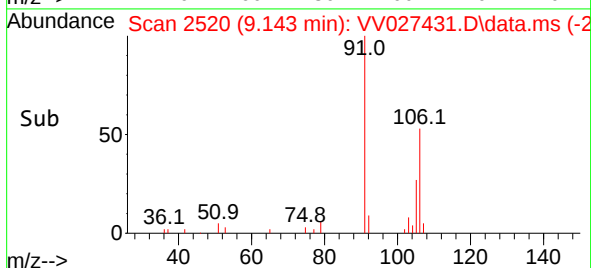
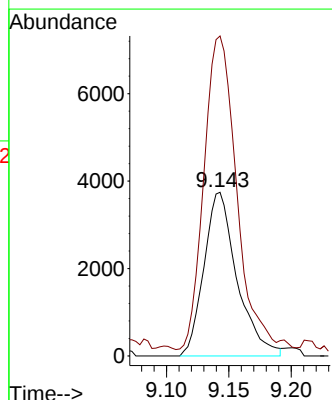
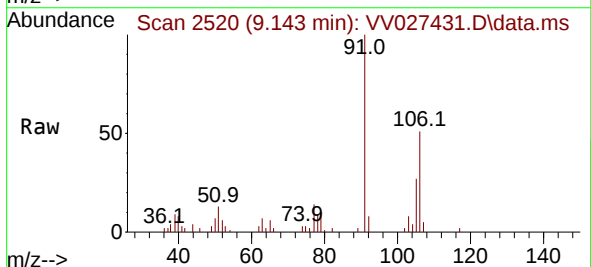
Manual Integrations
APPROVED

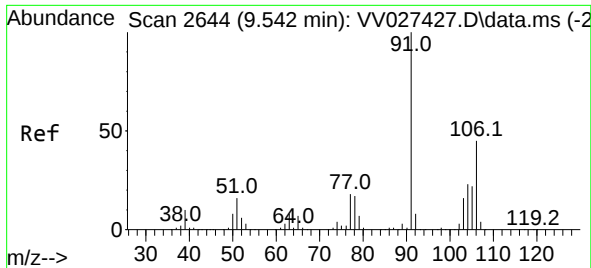
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#53
m,p-Xylene
Concen: 1.892 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion:106 Resp: 6910
Ion Ratio Lower Upper
106 100
91 195.5 137.5 255.3





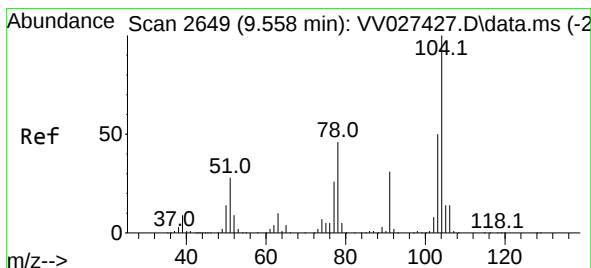
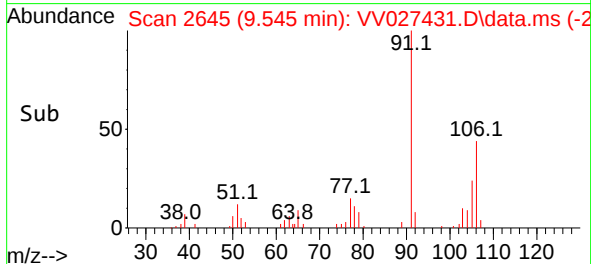
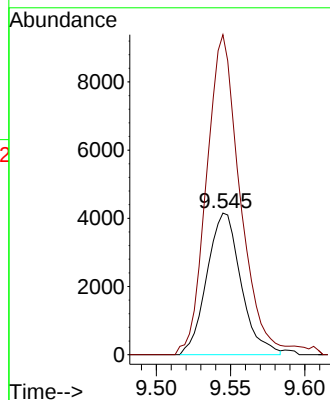
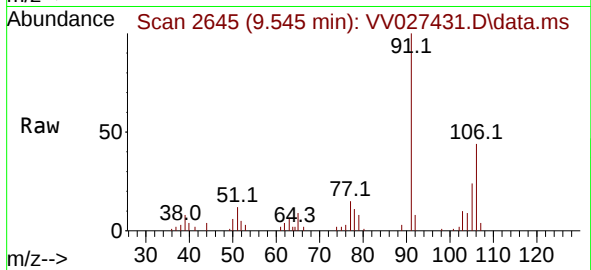
#54
o-Xylene
Concen: 1.864 ug/L
RT: 9.545 min Scan# 2652
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:106 Resp: 663
Ion Ratio Lower Upper
106 100
91 226.0 146.6 272.2

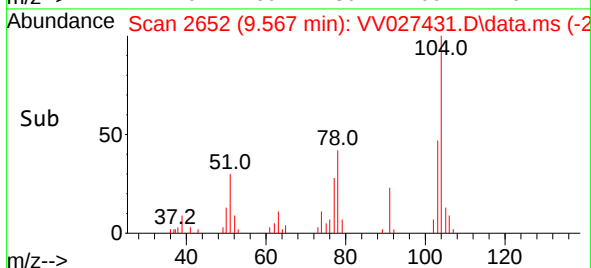
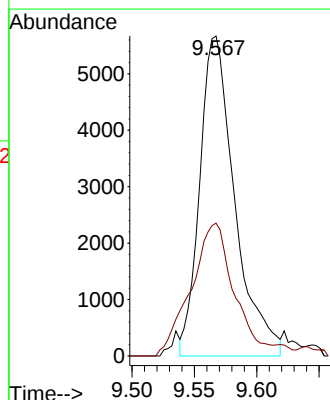
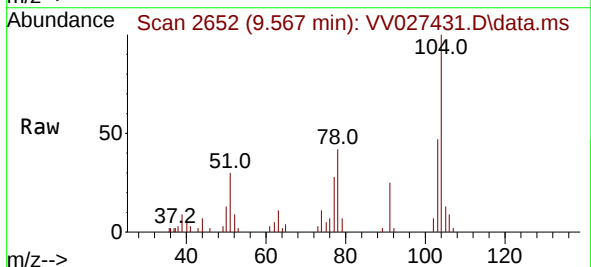
Manual Integrations
APPROVED

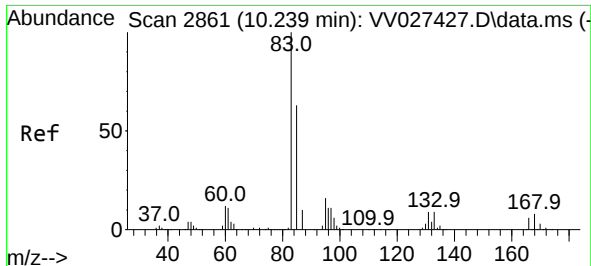
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#55
Styrene
Concen: 1.768 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.009 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Tgt Ion:104 Resp: 11078
Ion Ratio Lower Upper
104 100
78 41.5 29.6 55.0





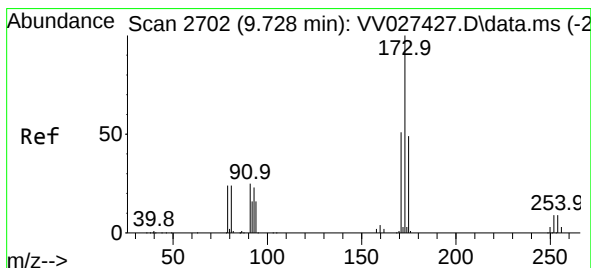
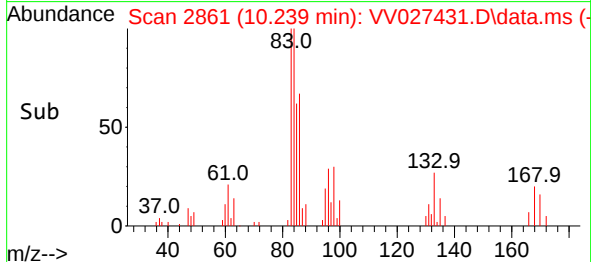
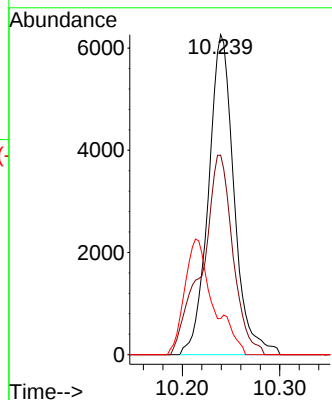
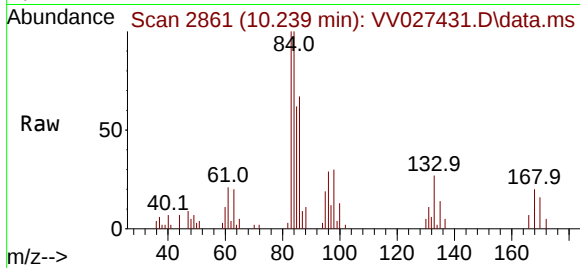
#57
1,1,2,2-Tetrachloroethane
Concen: 2.745 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06

Tgt Ion: 83 Resp: 11435
Ion Ratio Lower Upper
83 100
85 62.3 45.2 84.0
131 11.3 8.1 12.1

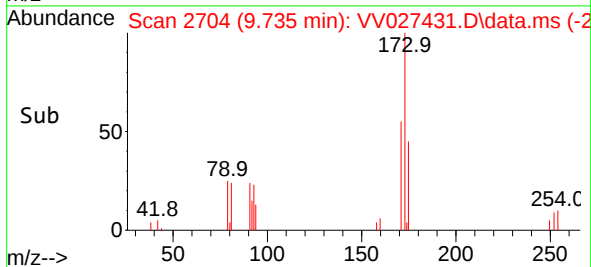
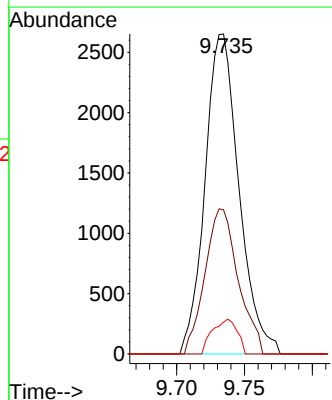
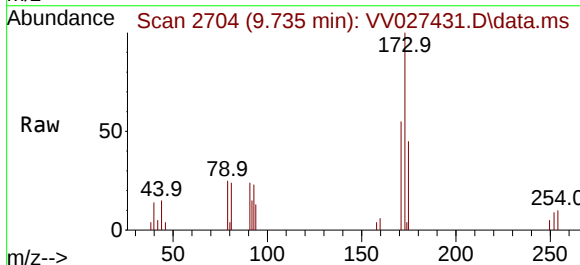
Manual Integrations
APPROVED

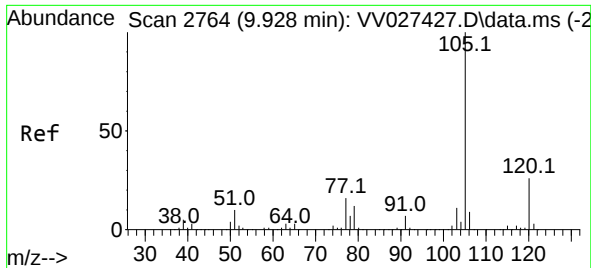
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#59
Bromoform
Concen: 2.853 ug/L
RT: 9.735 min Scan# 2704
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

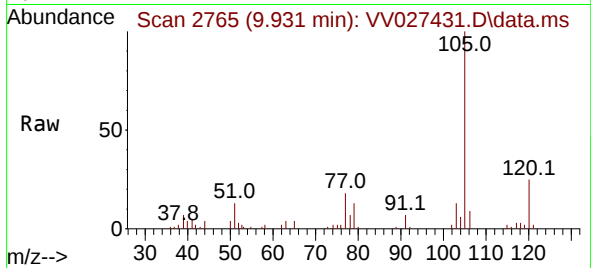
Tgt Ion:173 Resp: 4620
Ion Ratio Lower Upper
173 100
175 44.4 39.0 58.4
254 7.9 6.9 10.3





#60
Isopropylbenzene
Concen: 1.893 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

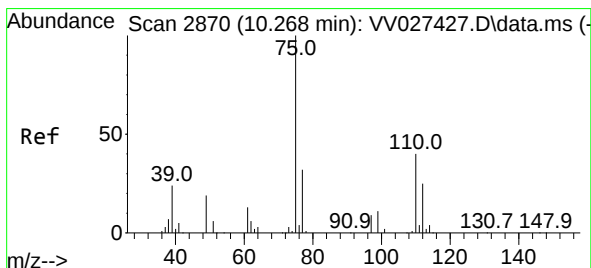
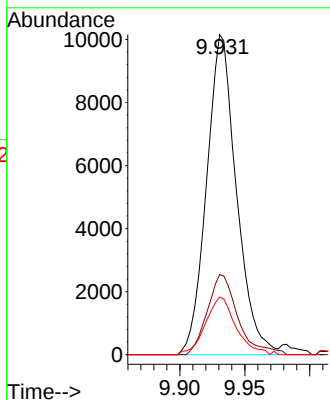
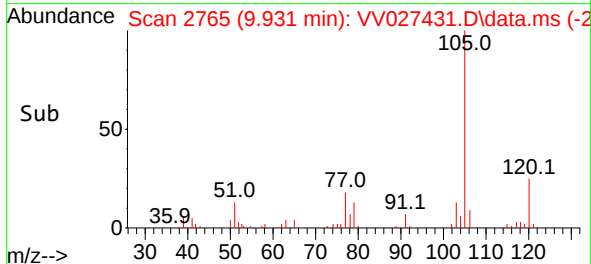
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



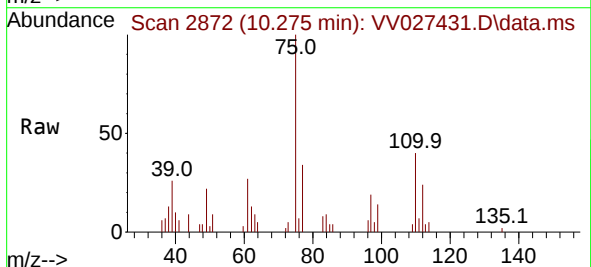
Tgt Ion:105 Resp: 1625
Ion Ratio Lower Upper
105 100
120 25.5 21.4 32.0
77 18.2 11.8 17.6

Manual Integrations
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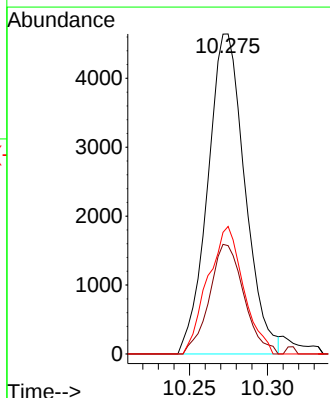
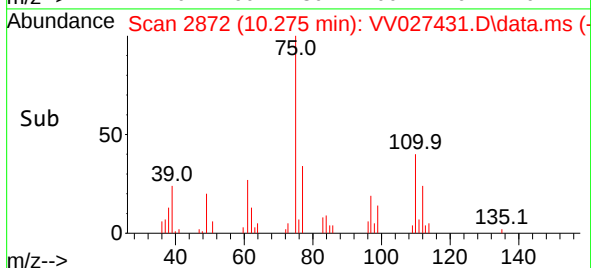
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

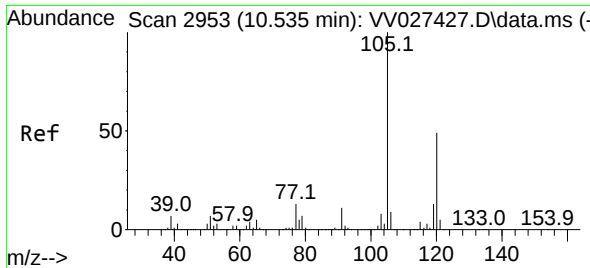


#61
1,2,3-Trichloropropane
Concen: 2.456 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49



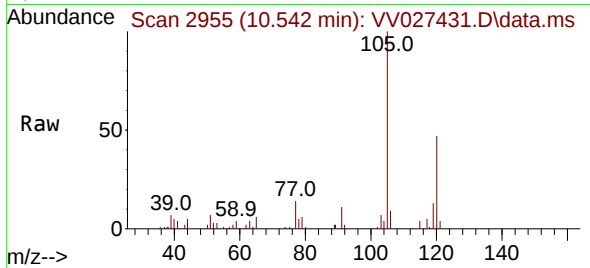
Tgt Ion: 75 Resp: 7686
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8
110 38.3 32.7 49.1





#62
1,3,5-Trimethylbenzene
Concen: 1.958 ug/L
RT: 10.542 min Scan# 2953
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

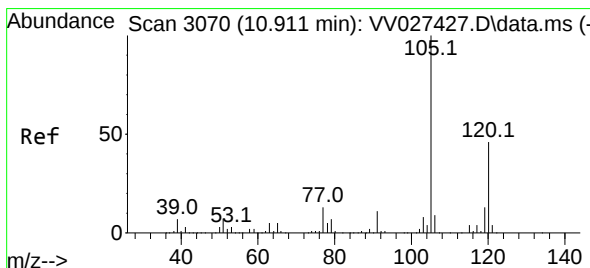
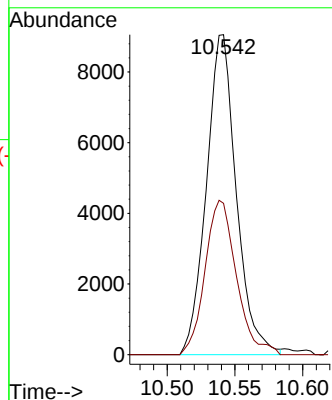
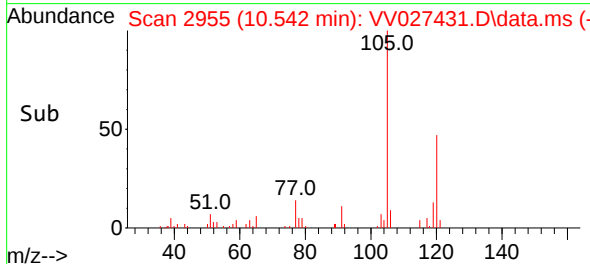
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



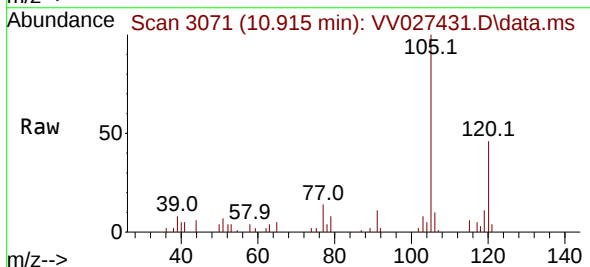
Tgt Ion:105 Resp: 13889
Ion Ratio Lower Upper
105 100
120 49.6 39.3 58.9

Manual Integrations
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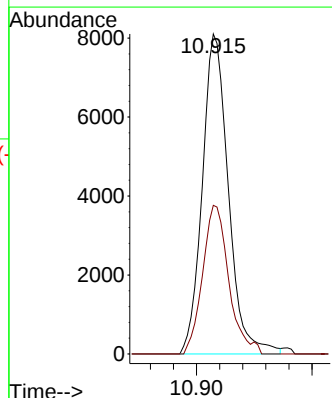
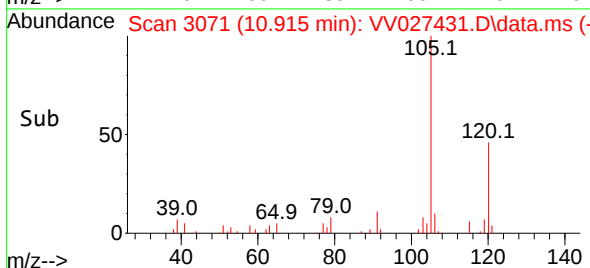
Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022

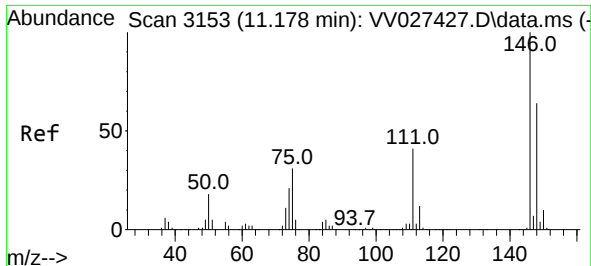


#63
1,2,4-Trimethylbenzene
Concen: 1.829 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49



Tgt Ion:105 Resp: 12711
Ion Ratio Lower Upper
105 100
120 45.8 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 2.211 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.006 min

Lab File: VV027431.D

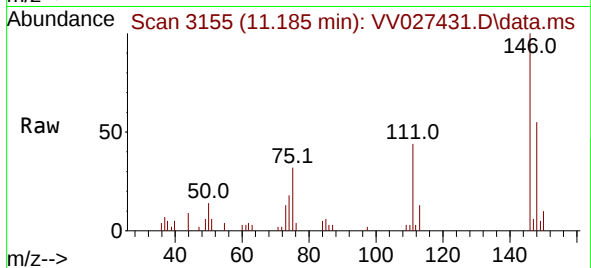
Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT3-2022-06

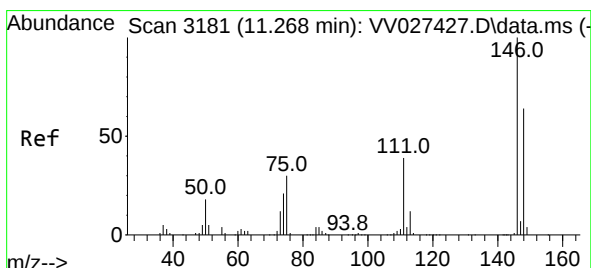
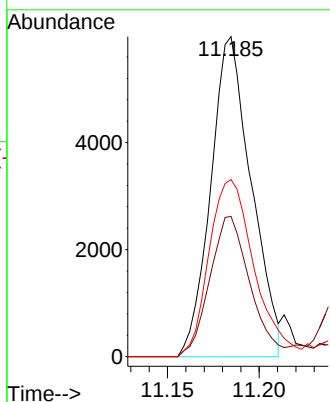
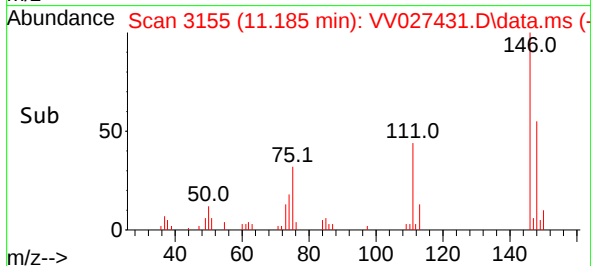


Tgt Ion:	146	Resp:	9200
Ion Ratio	Lower	Upper	
146	100		
111	43.9	28.4	52.8
148	55.4	44.7	82.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#65

1,4-Dichlorobenzene

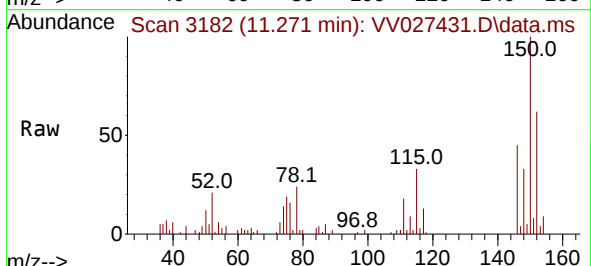
Concen: 2.357 ug/L

RT: 11.271 min Scan# 3182

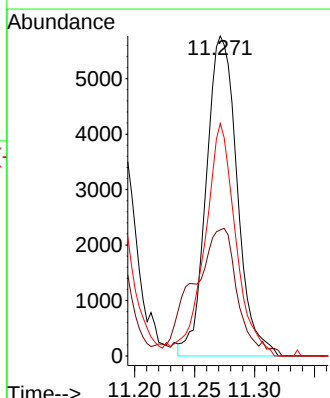
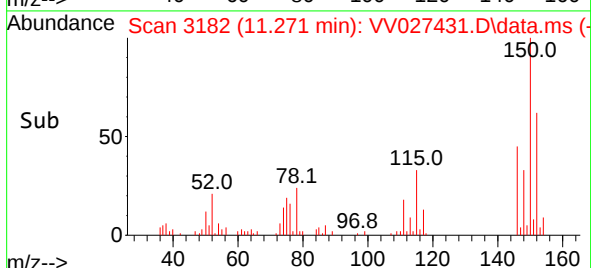
Delta R.T. 0.003 min

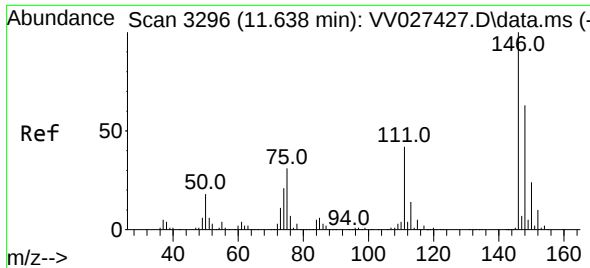
Lab File: VV027431.D

Acq: 18 Aug 2022 11:49



Tgt Ion:	146	Resp:	10328
Ion Ratio	Lower	Upper	
146	100		
111	39.4	27.4	51.0
148	72.7	44.6	82.8





#67

1,2-Dichlorobenzene

Concen: 2.626 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

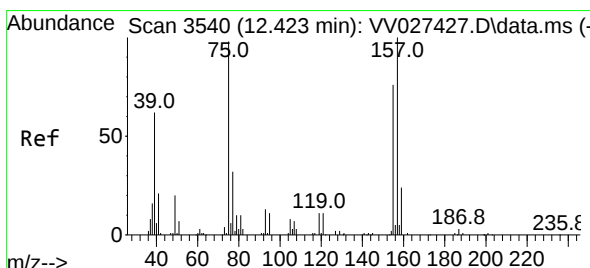
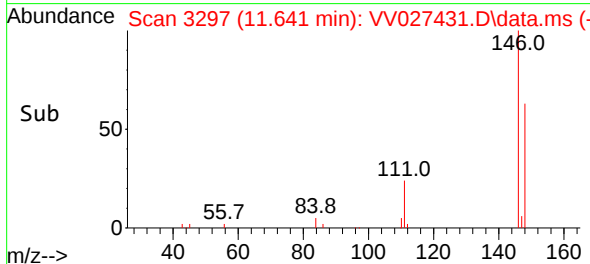
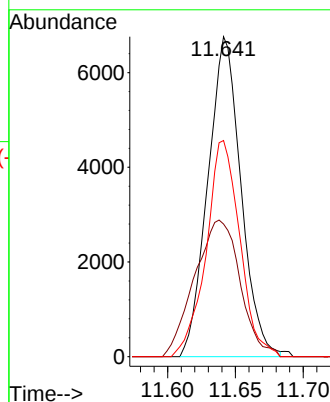
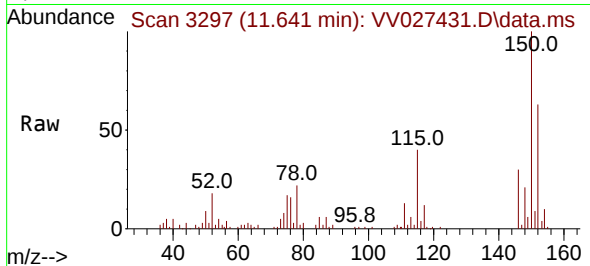
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:146	Resp:	1145
Ion Ratio	Lower	Upper
146	100	
111	41.5	34.0 51.0
148	67.5	50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#68

1,2-Dibromo-3-chloropropane

Concen: 2.496 ug/L

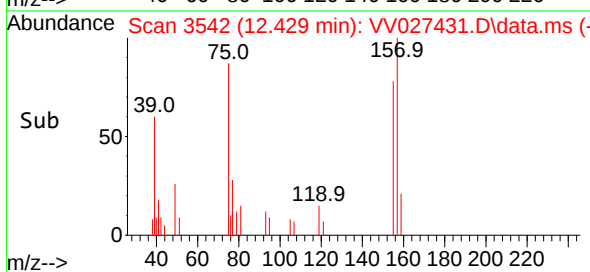
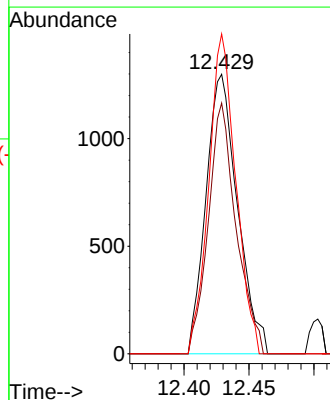
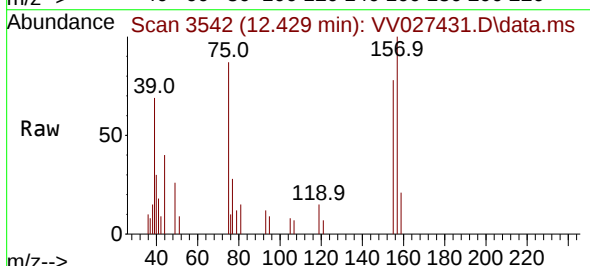
RT: 12.429 min Scan# 3542

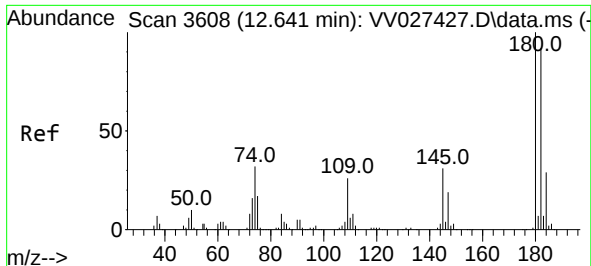
Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Tgt Ion: 75	Resp:	2191
Ion Ratio	Lower	Upper
75	100	
155	89.7	69.1 103.7
157	114.4	87.8 131.8





#69

1,3,5-Trichlorobenzene

Concen: 2.325 ug/L

RT: 12.648 min Scan# 3610

Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

Instrument :

MSVOA_V

ClientSampleId :

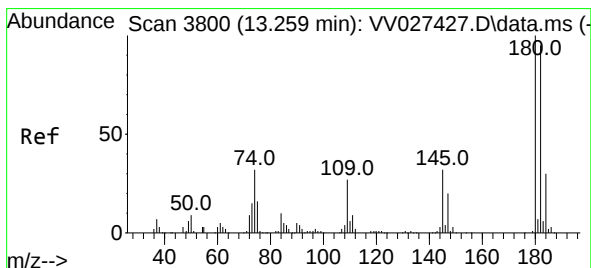
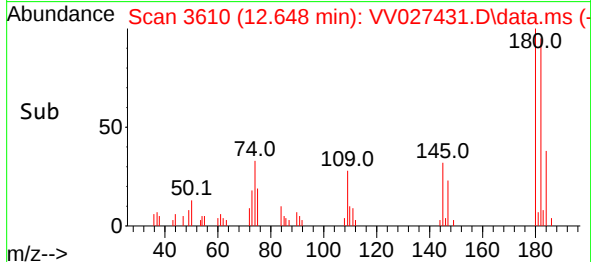
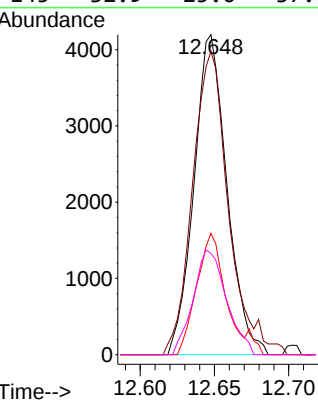
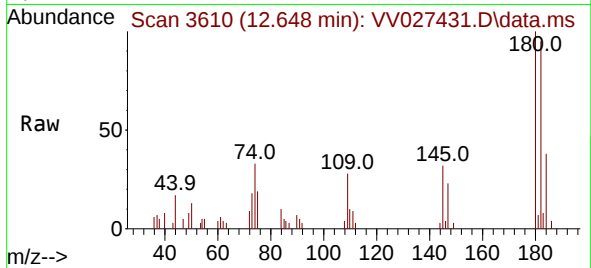
MDL-MED-SOIL-QT3-2022-06

Tgt Ion:180	Resp:	650
Ion Ratio	Lower	Upper
180	100	
182	99.6	76.2 114.4
184	32.6	24.8 37.2
145	32.9	25.0 37.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#70

1,2,4-trichlorobenzene

Concen: 2.261 ug/L

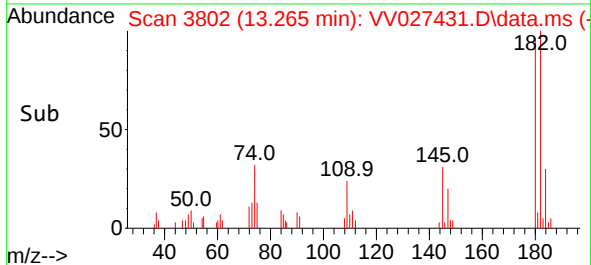
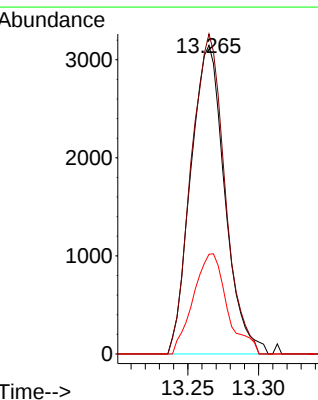
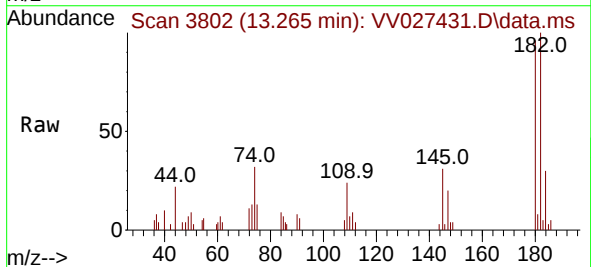
RT: 13.265 min Scan# 3802

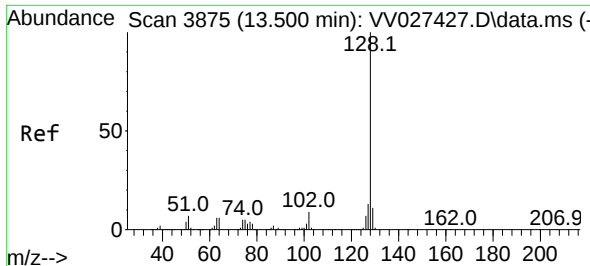
Delta R.T. 0.006 min

Lab File: VV027431.D

Acq: 18 Aug 2022 11:49

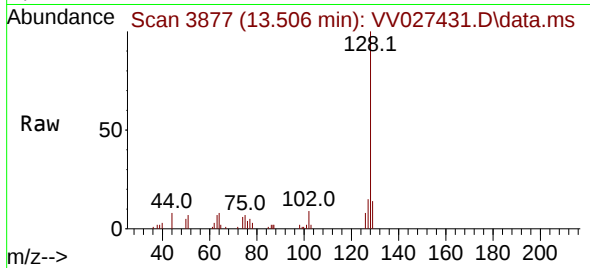
Tgt Ion:180	Resp:	5252
Ion Ratio	Lower	Upper
180	100	
182	102.1	75.9 113.9
145	32.3	24.7 37.1





#71
Naphthalene
Concen: 1.888 ug/L
RT: 13.506 min Scan# 3911
Delta R.T. 0.006 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49

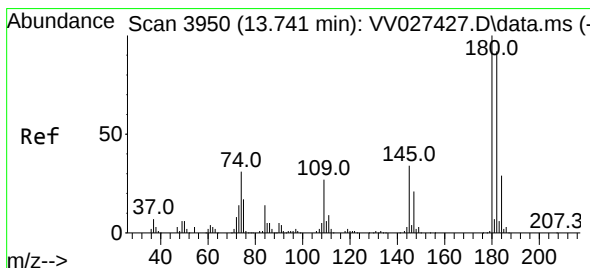
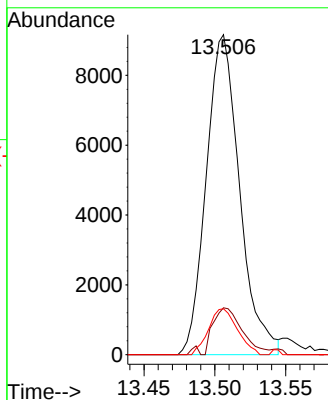
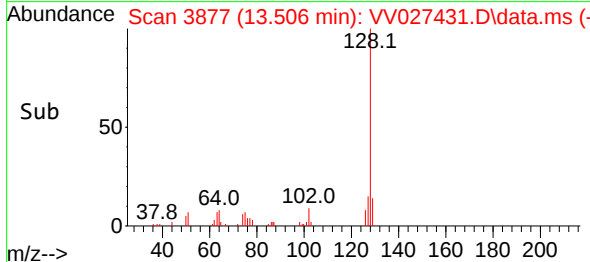
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT3-2022-06



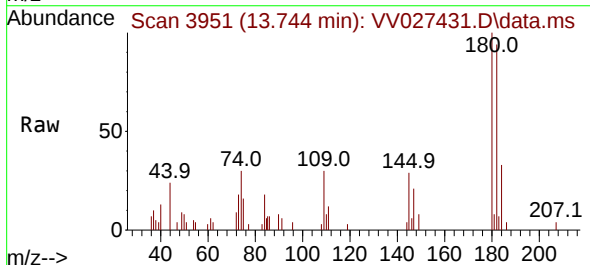
Tgt Ion:128 Resp: 1501
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 12.4 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/19/2022
Supervised By :Semsettin Yesilyurt 08/30/2022



#72
1,2,3-Trichlorobenzene
Concen: 2.103 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.003 min
Lab File: VV027431.D
Acq: 18 Aug 2022 11:49



Tgt Ion:180 Resp: 5413
Ion Ratio Lower Upper
180 100
182 95.7 76.3 114.5
145 32.8 27.4 41.0

