

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037005.D
 Acq On : 22 Aug 2024 13:13
 Operator : SY/MD
 Sample : P3391-03
 Misc : 5.00mL/10mL/MSVOA_V/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Aug 23 05:26:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	663335	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	596630	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	269872	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	172408	18.549	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.200%
7) Chloroethane-d5	1.532	69	160854	20.232	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.920%
11) 1,1-Dichloroethene-d2	2.056	65	88320	19.725	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.880%
21) 2-Butanone-d5	3.838	46	65347m	37.910	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.820%
24) Chloroform-d	4.239	84	382621	20.469	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.880%
26) 1,2-Dichloroethane-d4	4.937	65	176441	20.519	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.080%
32) Benzene-d6	4.950	84	792898	22.177	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.720%
36) 1,2-Dichloropropane-d6	5.982	67	240010	22.174	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.680%
41) Toluene-d8	7.236	98	718352	22.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.160%
43) trans-1,3-Dichloroprop...	7.551	79	74366	19.692	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.760%
47) 2-Hexanone-d5	8.037	63	32927	34.391	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.780%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	119054	19.867	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.480%
66) 1,2-Dichlorobenzene-d4	11.554	152	212513	21.999	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	14306	1.381	ug/L	98
3) Chloromethane	1.217	50	14134	1.178	ug/L	95
5) Vinyl chloride	1.281	62	14426m	1.214	ug/L	
6) Bromomethane	1.487	94	9121	1.207	ug/L	99
8) Chloroethane	1.548	64	9350	1.246	ug/L	99
9) Trichlorofluoromethane	1.712	101	18877	1.203	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	13956	1.444	ug/L	86
12) 1,1-Dichloroethene	2.066	96	12874	1.430	ug/L #	1
13) Acetone	2.143	43	8185m	4.046	ug/L	
14) Carbon disulfide	2.236	76	34048	1.142	ug/L	96
15) Methyl Acetate	2.381	43	3069m	0.931	ug/L	
16) Methylene chloride	2.442	84	56865	4.310	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	11944	1.212	ug/L	91
18) Methyl tert-butyl Ether	2.706	73	20993	1.028	ug/L	99
19) 1,1-Dichloroethane	3.104	63	20130	1.049	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	10693	1.012	ug/L	96
22) 2-Butanone	3.924	43	3958m	1.901	ug/L	
23) Bromochloromethane	4.140	128	4421m	1.054	ug/L	
25) Chloroform	4.265	83	29573	1.577	ug/L	100

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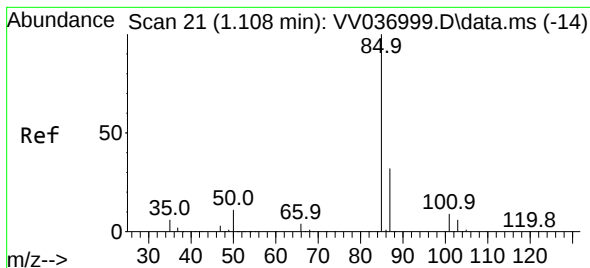
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.046	62	10821m	1.055	ug/L	
29) Cyclohexane	4.567	56	18081	1.168	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	16712	1.111	ug/L	98
31) Carbon tetrachloride	4.722	117	14479	1.140	ug/L	98
33) Benzene	5.008	78	39074	1.005	ug/L	100
34) Trichloroethene	5.834	95	11760	1.071	ug/L	96
35) Methylcyclohexane	6.040	83	19036	1.121	ug/L	97
37) 1,2-Dichloropropane	6.098	63	10046m	1.069	ug/L	
38) Bromodichloromethane	6.435	83	11346	0.972	ug/L	93
39) cis-1,3-Dichloropropene	6.963	75	13932m	1.015	ug/L	
42) Toluene	7.320	91	44923	1.102	ug/L	100
44) trans-1,3-Dichloropropene	7.596	75	11083m	1.062	ug/L	
45) 1,1,2-Trichloroethane	7.779	97	5845	0.948	ug/L	94
46) Tetrachloroethene	7.905	164	9551	1.230	ug/L	92
48) 2-Hexanone	8.101	43	10600m	3.567	ug/L	
49) Dibromochloromethane	8.175	129	6361	0.938	ug/L	87
50) 1,2-Dibromoethane	8.287	107	5363	0.964	ug/L #	92
51) Chlorobenzene	8.812	112	28020	1.077	ug/L	97
52) Ethylbenzene	8.947	91	47323	1.030	ug/L	100
53) m,p-Xylene	9.075	106	17946	1.051	ug/L	93
54) o-Xylene	9.477	106	16476	1.010	ug/L	96
55) Styrene	9.503	104	26243m	0.975	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	6258	1.096	ug/L	96
59) Bromoform	9.667	173	2827	0.925	ug/L	94
60) Isopropylbenzene	9.866	105	45377	1.066	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	4965m	1.141	ug/L	
62) 1,3,5-Trimethylbenzene	10.474	105	37718	1.083	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	33560	0.988	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	20585	1.132	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	21507	1.184	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	18488	1.173	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.368	75	919m	1.081	ug/L	
69) 1,3,5-Trichlorobenzene	12.580	180	14552	1.148	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	11466	1.131	ug/L	97
71) Naphthalene	13.442	128	20151	1.319	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	9999	1.191	ug/L	97

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



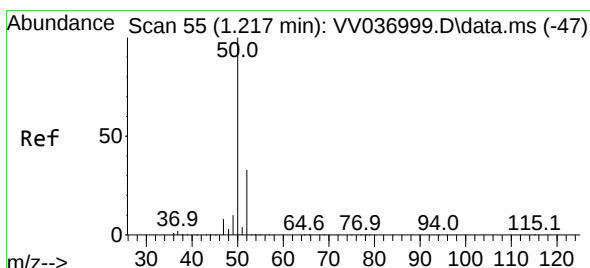
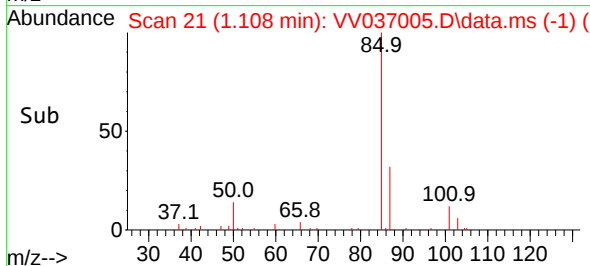
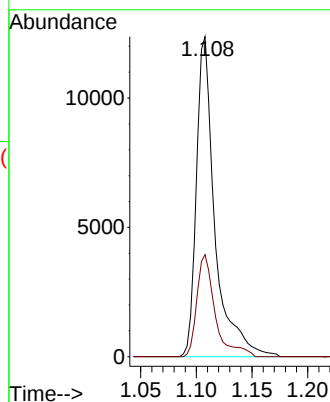
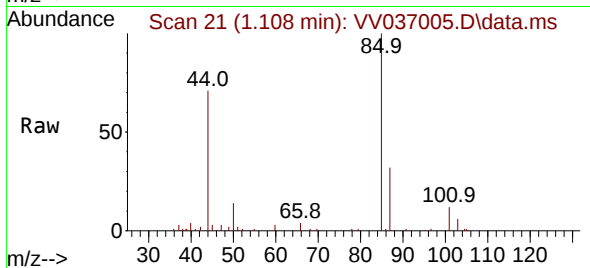
#2
Dichlorodifluoromethane
Concen: 1.381 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion: 85 Resp: 14300
Ion Ratio Lower Upper
85 100
87 31.5 26.1 39.1

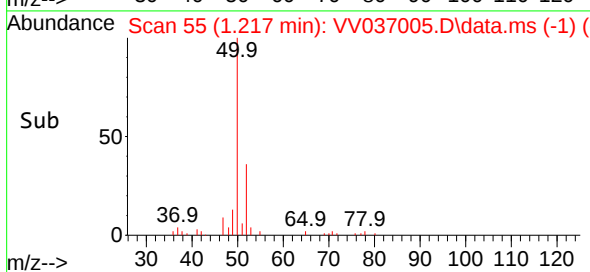
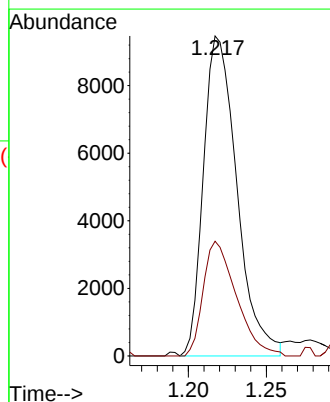
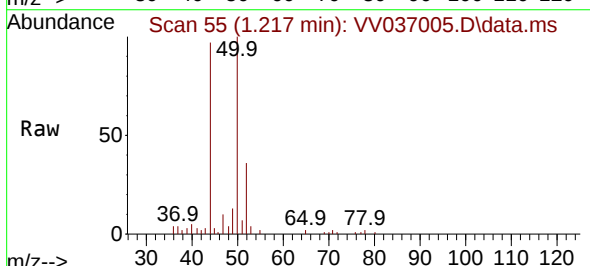
Manual Integrations
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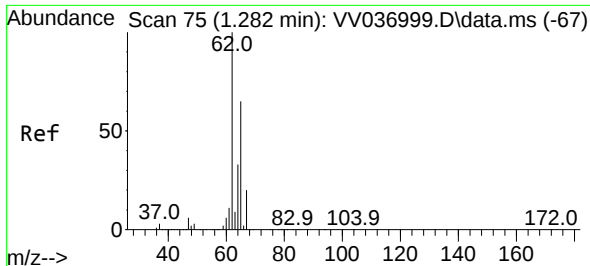
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#3
Chloromethane
Concen: 1.178 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

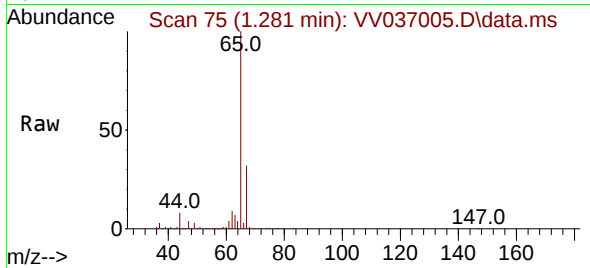
Tgt Ion: 50 Resp: 14134
Ion Ratio Lower Upper
50 100
52 35.9 23.2 43.2





#5
 Vinyl chloride
 Concen: 1.214 ug/L m
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV037005.D
 Acq: 22 Aug 2024 13:13

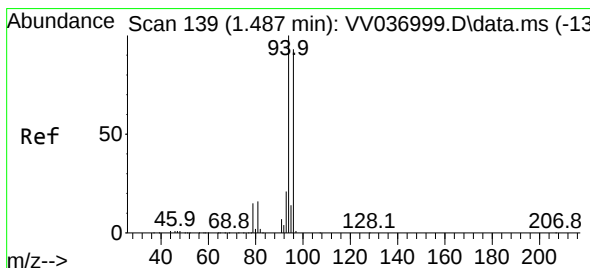
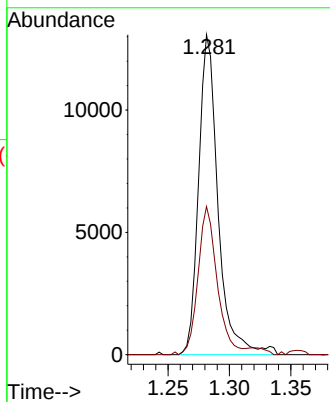
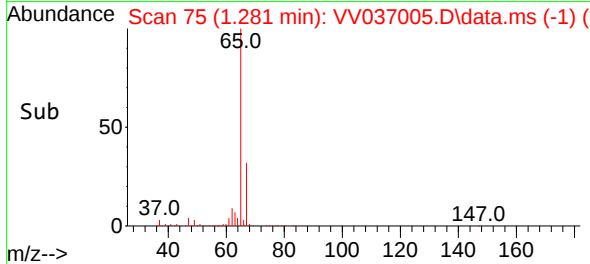
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-05



Tgt Ion: 62 Resp: 14420
 Ion Ratio Lower Upper
 62 100
 64 46.3 22.8 42.4

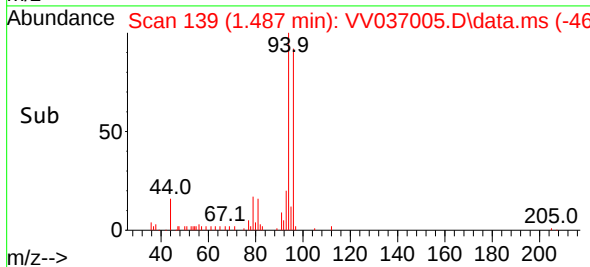
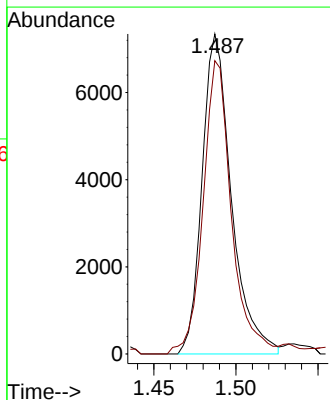
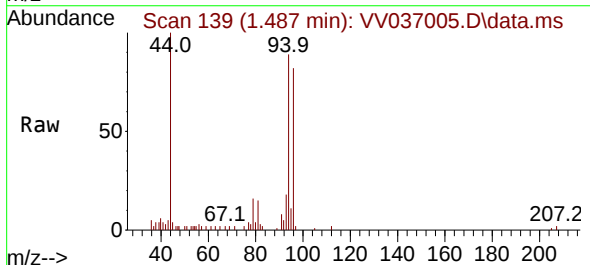
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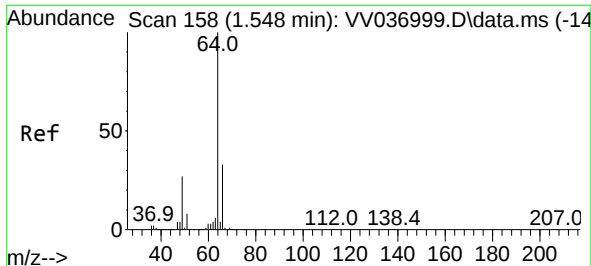
Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024



#6
 Bromomethane
 Concen: 1.207 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV037005.D
 Acq: 22 Aug 2024 13:13

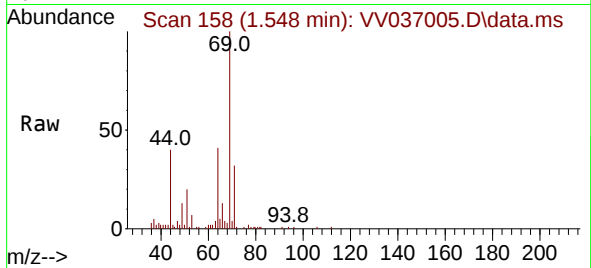
Tgt Ion: 94 Resp: 9121
 Ion Ratio Lower Upper
 94 100
 96 91.7 65.0 120.6





#8
Chloroethane
Concen: 1.246 ug/L
RT: 1.548 min Scan# 158
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

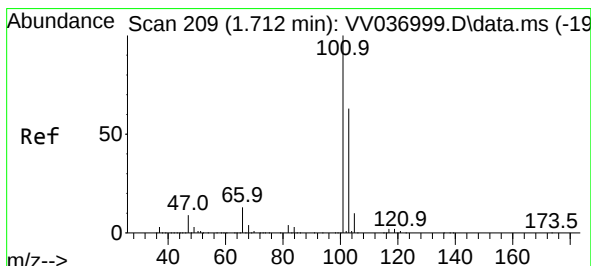
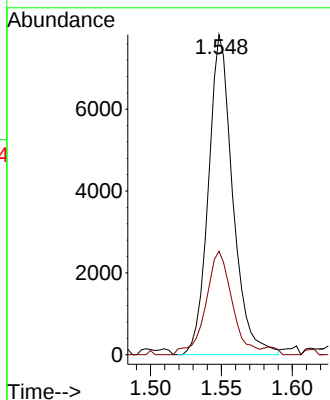
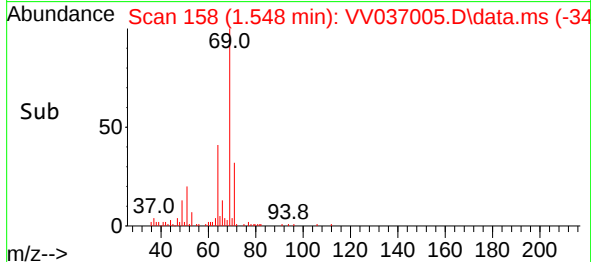
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 64 Resp: 9350
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.0

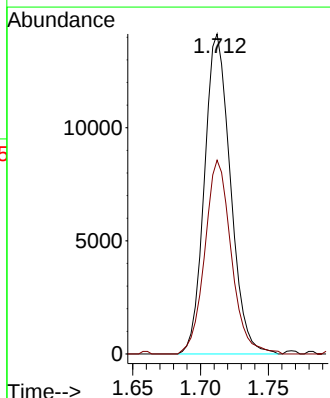
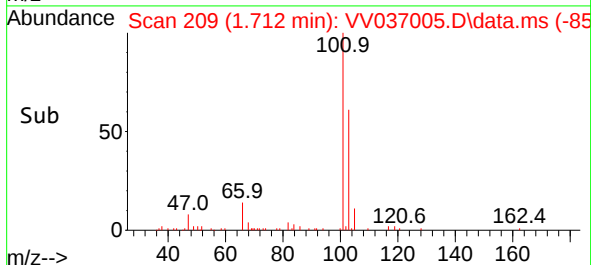
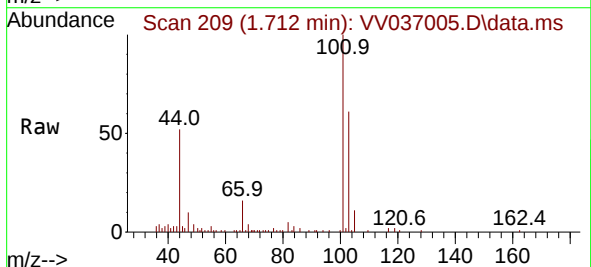
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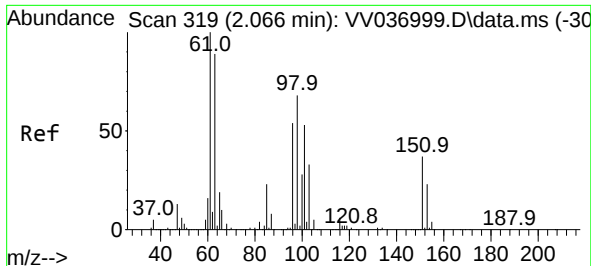
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#9
Trichlorofluoromethane
Concen: 1.203 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Tgt Ion:101 Resp: 18877
Ion Ratio Lower Upper
101 100
103 61.9 51.0 76.6





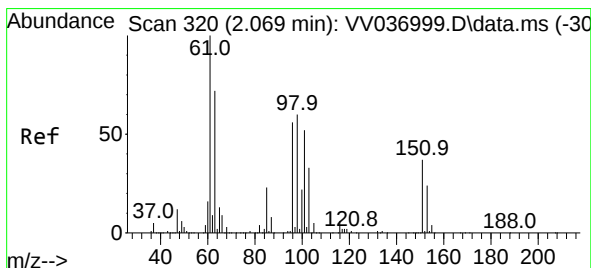
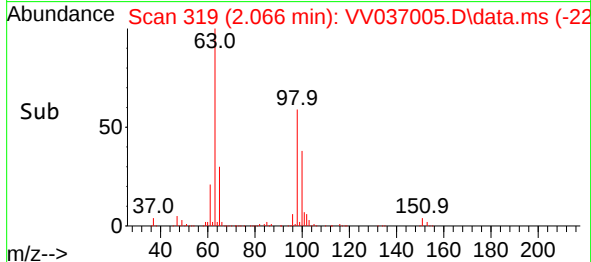
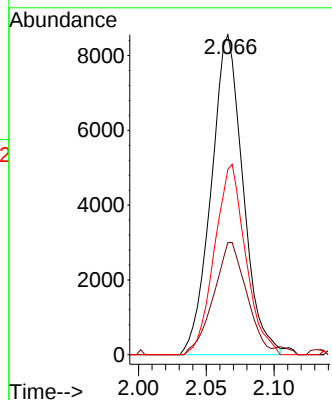
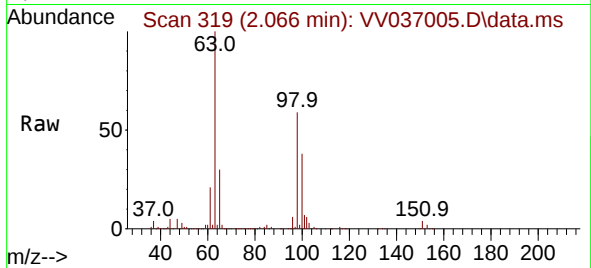
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.444 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion:101 Resp: 13950
Ion Ratio Lower Upper
101 100
85 36.4 35.6 53.4
151 58.3 56.3 84.5

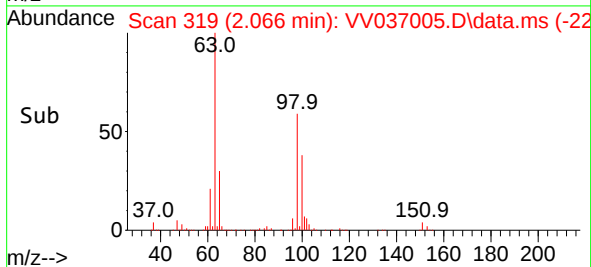
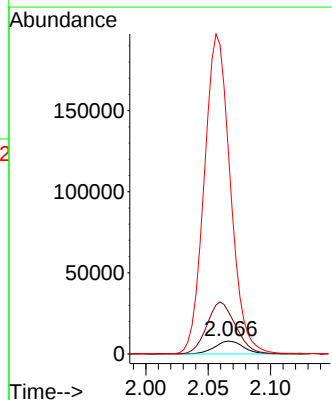
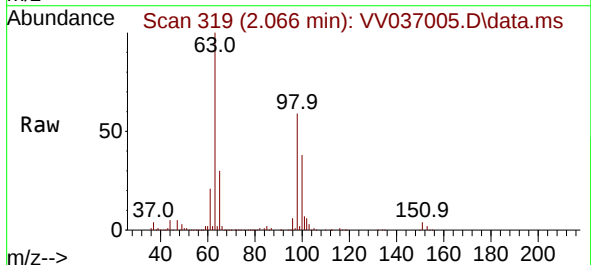
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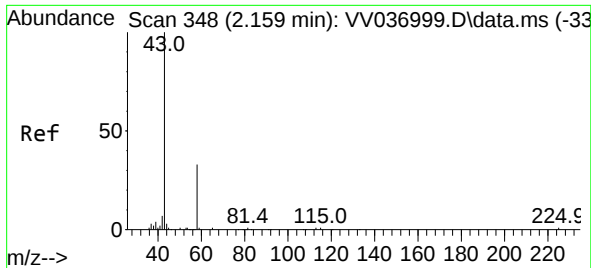
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#12
1,1-Dichloroethene
Concen: 1.430 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

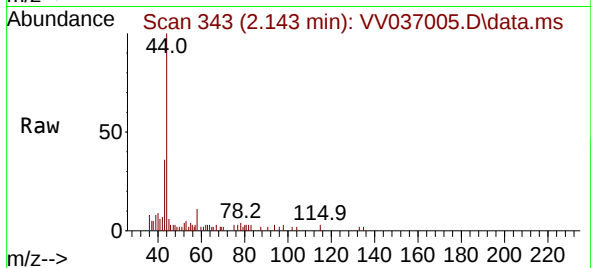
Tgt Ion: 96 Resp: 12874
Ion Ratio Lower Upper
96 100
61 336.0 126.0 234.0#
63 1624.6 91.0 169.0#





#13
Acetone
Concen: 4.046 ug/L m
RT: 2.143 min Scan# 34
Delta R.T. -0.016 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

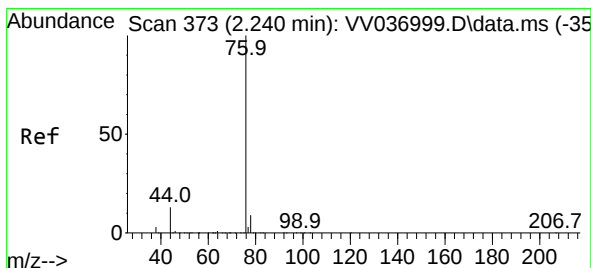
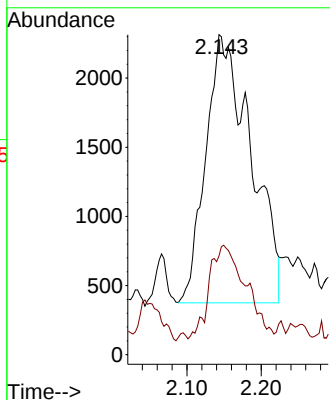
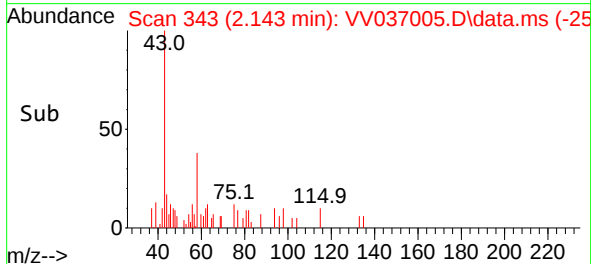
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 4.3 0.0 21.2

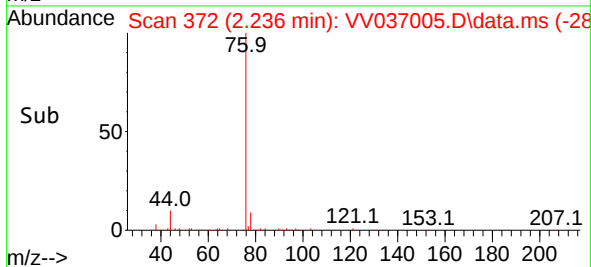
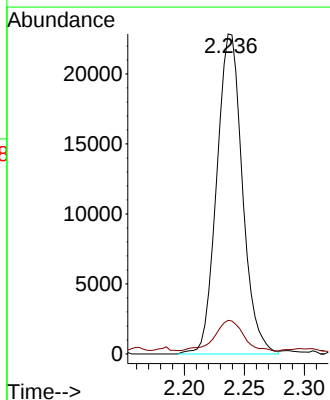
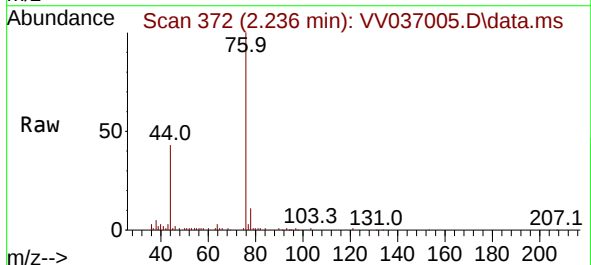
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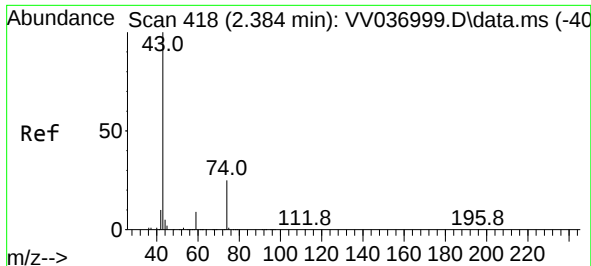
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#14
Carbon disulfide
Concen: 1.142 ug/L
RT: 2.236 min Scan# 372
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

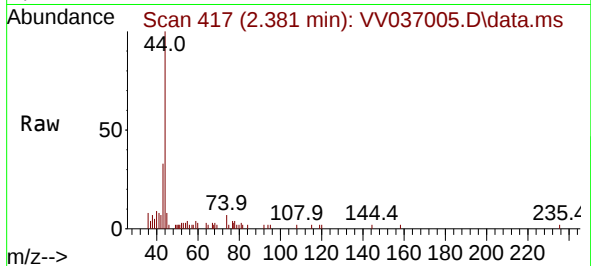
Tgt Ion: 76 Resp: 34048
Ion Ratio Lower Upper
76 100
78 10.5 7.1 10.7





#15
Methyl Acetate
Concen: 0.931 ug/L m
RT: 2.381 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

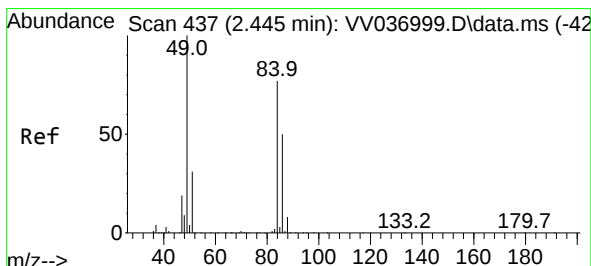
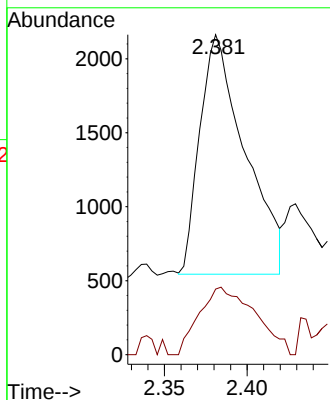
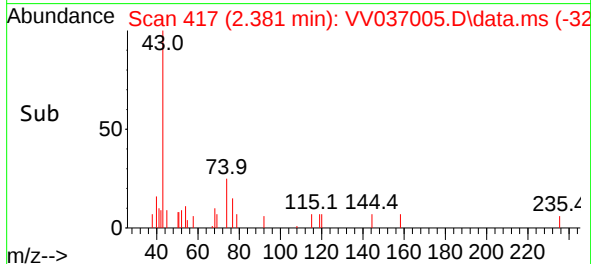
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 3065
Ion Ratio Lower Upper
43 100
74 1.5 19.6 29.4

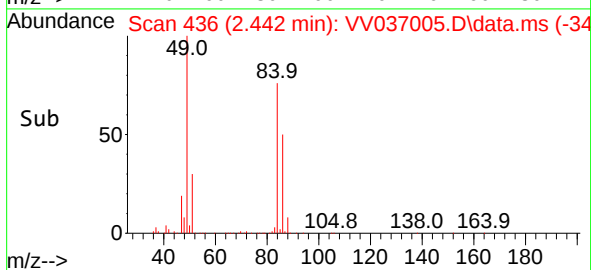
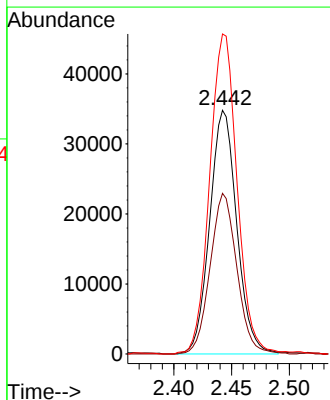
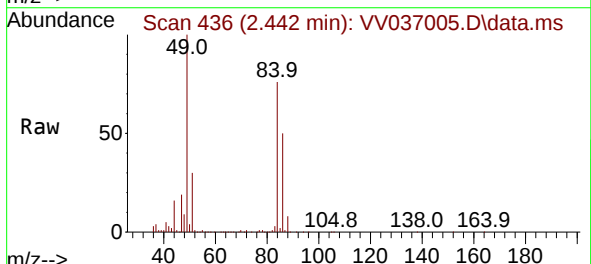
Manual Integrations
APPROVED

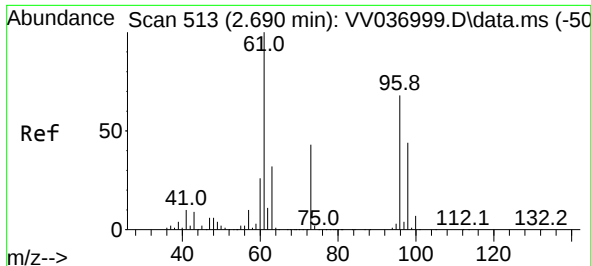
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#16
Methylene chloride
Concen: 4.310 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

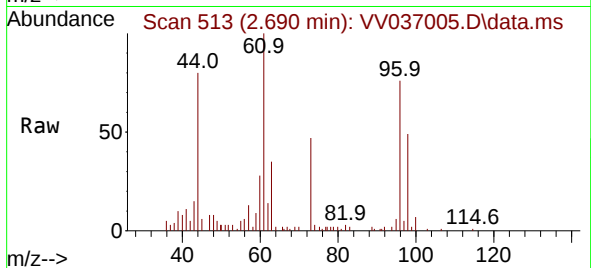
Tgt Ion: 84 Resp: 56865
Ion Ratio Lower Upper
84 100
86 65.9 45.4 84.2
49 131.3 91.2 169.4





#17
trans-1,2-Dichloroethene
Concen: 1.212 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

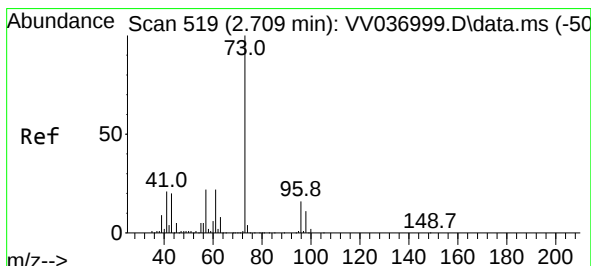
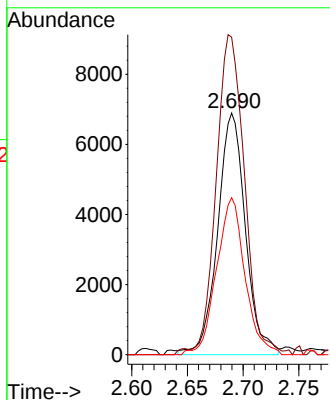
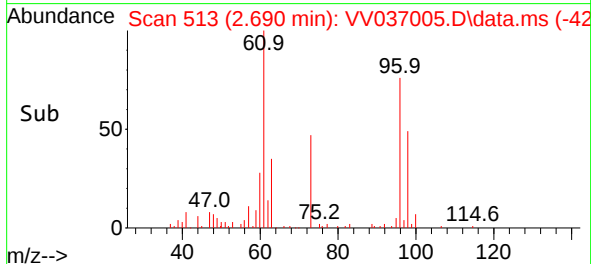
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 96 Resp: 11944
Ion Ratio Lower Upper
96 100
61 131.4 103.3 191.9
98 65.0 45.0 83.6

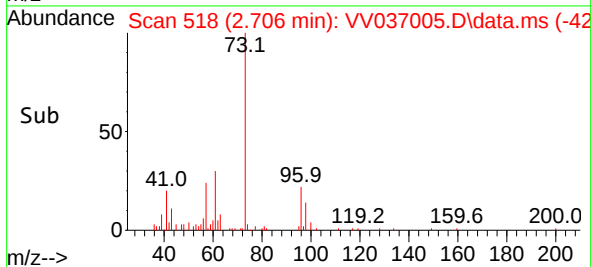
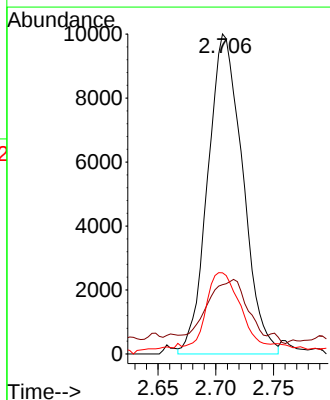
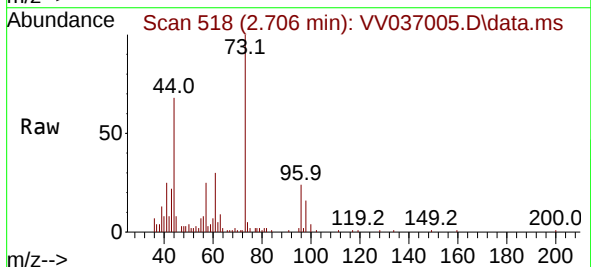
Manual Integrations
APPROVED

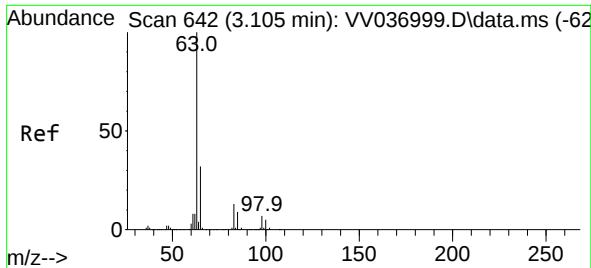
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#18
Methyl tert-butyl Ether
Concen: 1.028 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Tgt Ion: 73 Resp: 20993
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 21.9 17.6 26.4





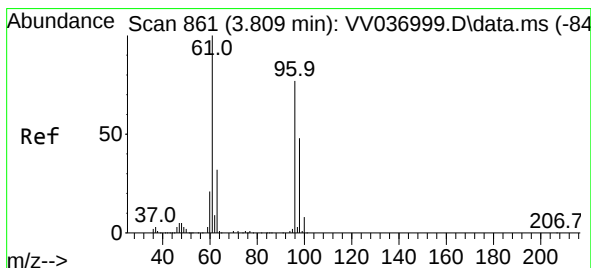
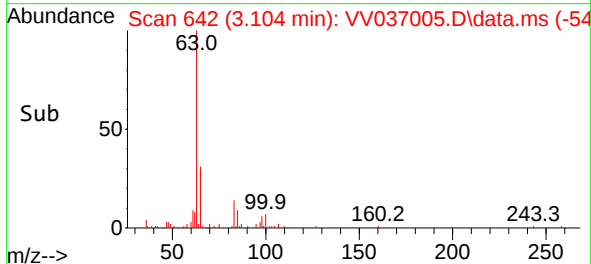
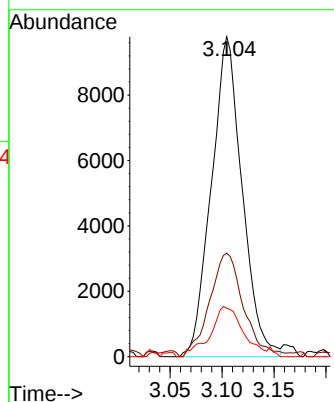
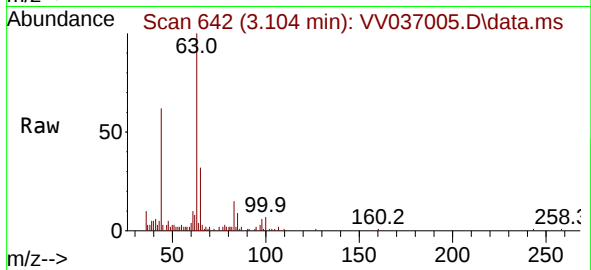
#19
1,1-Dichloroethane
Concen: 1.049 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument : MSVOA_V
ClientSampleId : MDL-SOIL-QT3-2024-05

Tgt Ion: 63 Resp: 20130
Ion Ratio Lower Upper
63 100
65 32.4 22.3 41.3
83 15.1 9.0 16.6

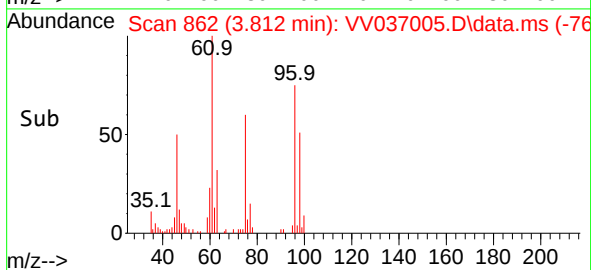
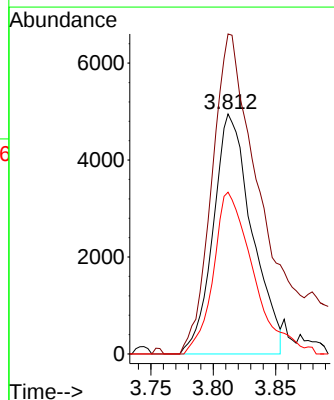
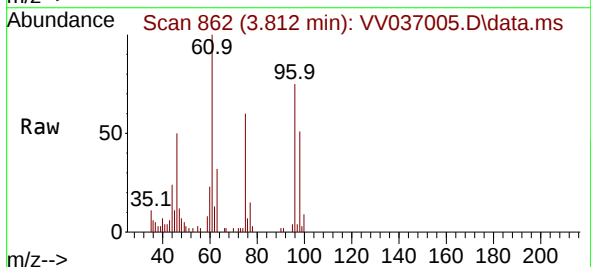
Manual Integrations
APPROVED

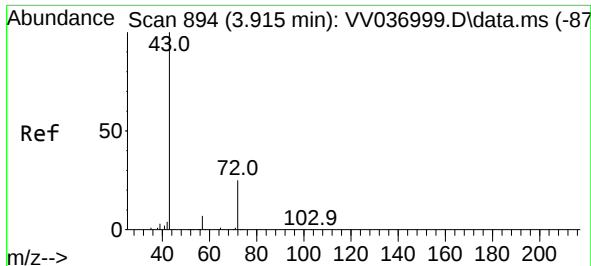
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#20
cis-1,2-Dichloroethene
Concen: 1.012 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

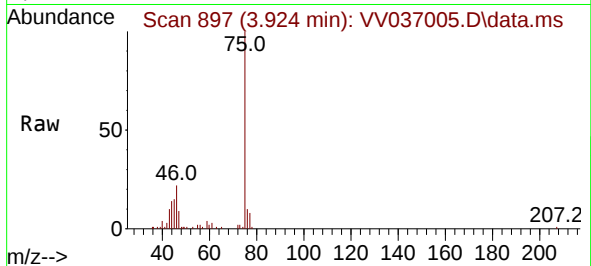
Tgt Ion: 96 Resp: 10693
Ion Ratio Lower Upper
96 100
61 133.4 91.0 169.0
98 67.4 43.8 81.3





#22
2-Butanone
Concen: 1.901 ug/L m
RT: 3.924 min Scan# 894
Delta R.T. 0.010 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

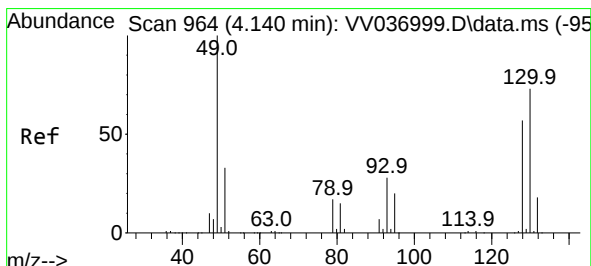
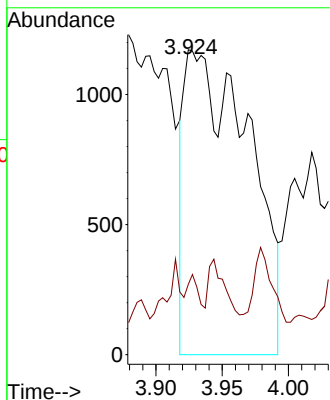
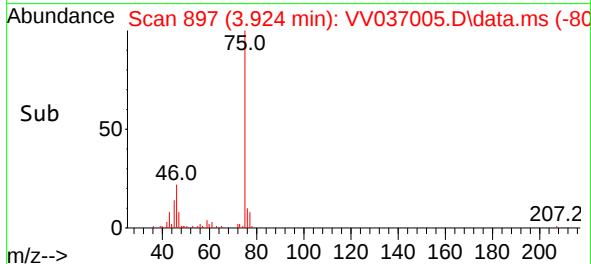
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 3958
Ion Ratio Lower Upper
43 100
72 1.2 10.7 32.1

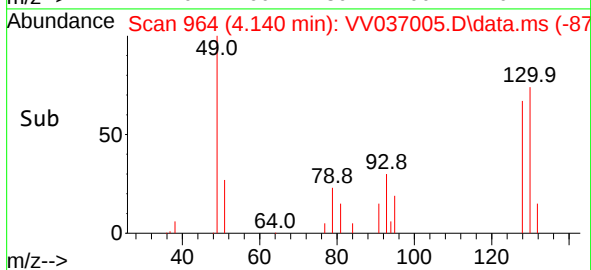
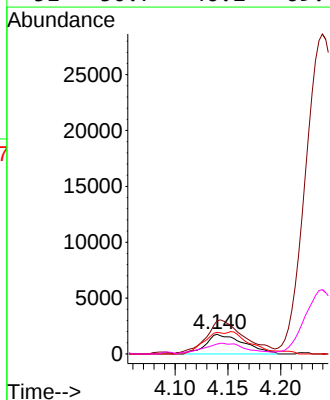
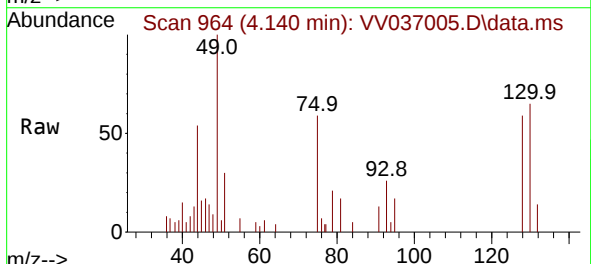
Manual Integrations
APPROVED

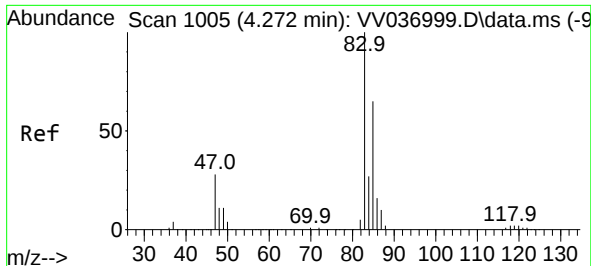
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#23
Bromochloromethane
Concen: 1.054 ug/L m
RT: 4.140 min Scan# 964
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

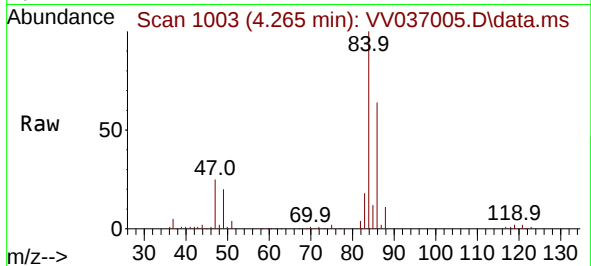
Tgt Ion:128 Resp: 4421
Ion Ratio Lower Upper
128 100
49 168.4 123.3 229.1
130 110.2 89.7 166.5
51 50.7 46.2 69.4





#25
Chloroform
Concen: 1.577 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.007 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

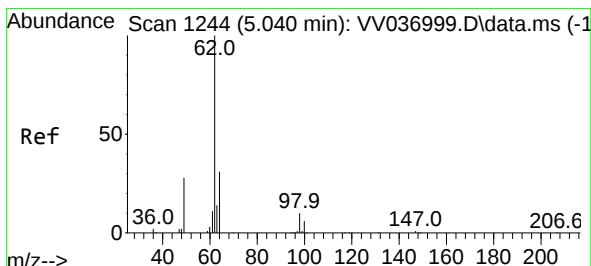
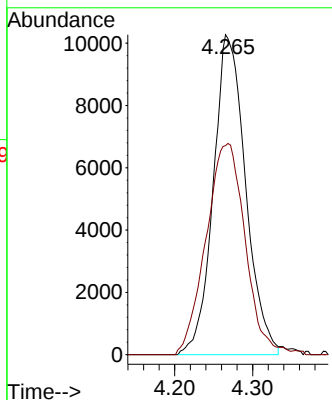
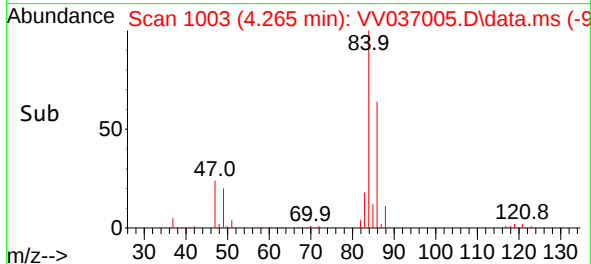
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



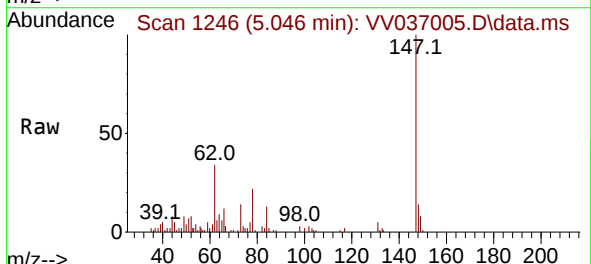
Tgt Ion: 83 Resp: 2957
Ion Ratio Lower Upper
83 100
85 65.3 45.5 84.5

Manual Integrations
APPROVED

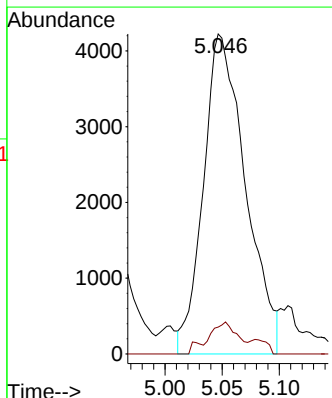
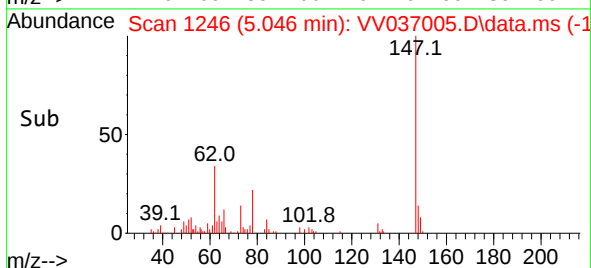
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

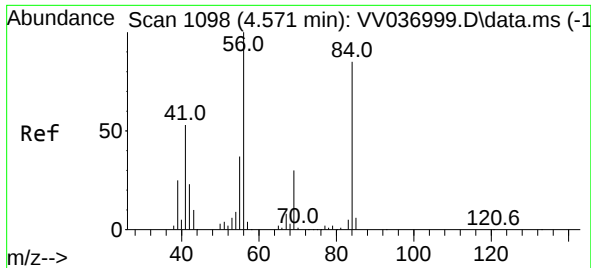


#27
1,2-Dichloroethane
Concen: 1.055 ug/L m
RT: 5.046 min Scan# 1246
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



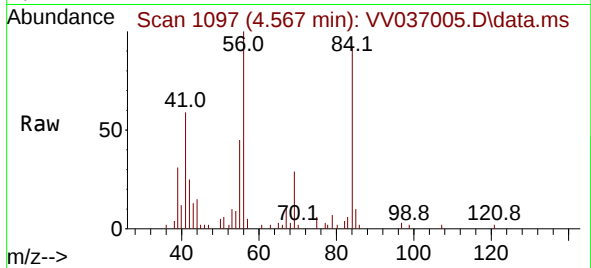
Tgt Ion: 62 Resp: 10821
Ion Ratio Lower Upper
62 100
98 8.4 7.5 11.3





#29
Cyclohexane
Concen: 1.168 ug/L
RT: 4.567 min Scan# 1097
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

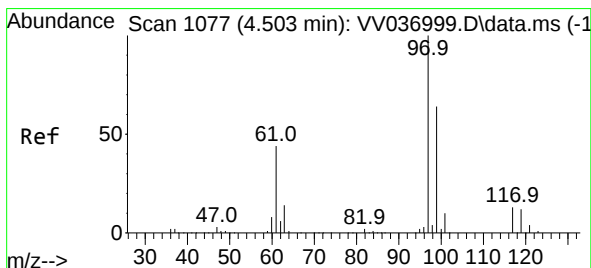
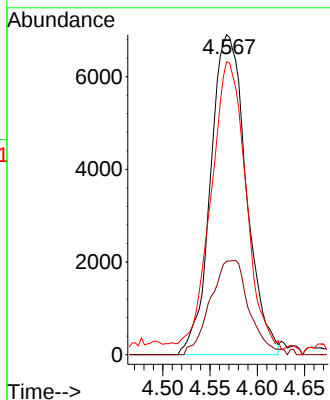
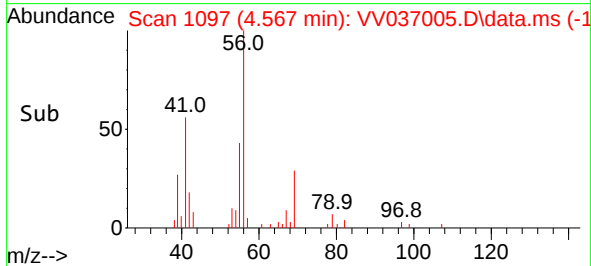
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



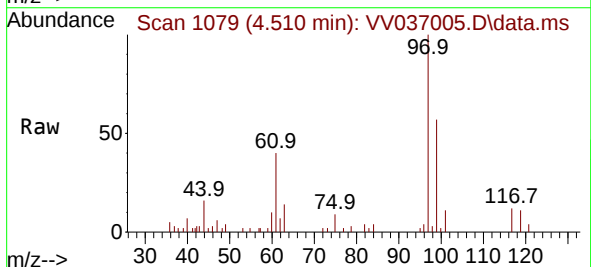
Tgt Ion: 56 Resp: 1808
Ion Ratio Lower Upper
56 100
69 31.7 24.7 37.1
84 87.8 70.0 105.0

Manual Integrations
APPROVED

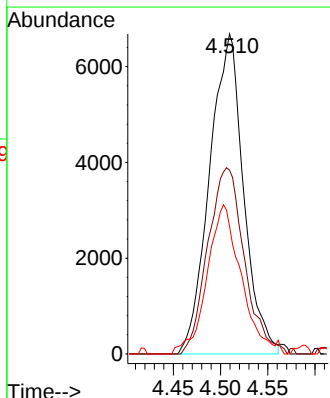
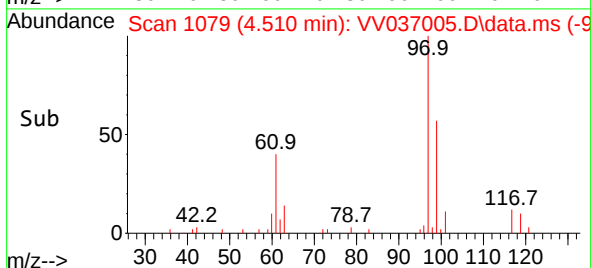
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

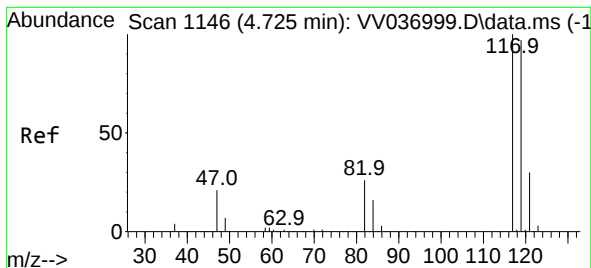


#30
1,1,1-Trichloroethane
Concen: 1.111 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



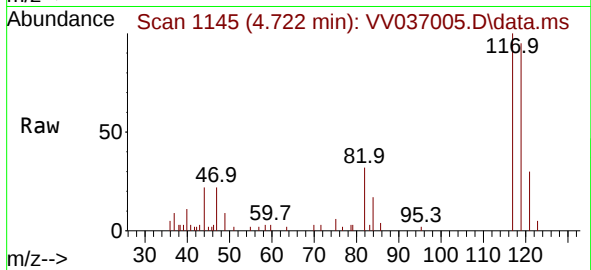
Tgt Ion: 97 Resp: 16712
Ion Ratio Lower Upper
97 100
99 62.5 51.0 76.4
61 46.3 35.0 52.6





#31
Carbon tetrachloride
Concen: 1.140 ug/L
RT: 4.722 min Scan# 1145
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

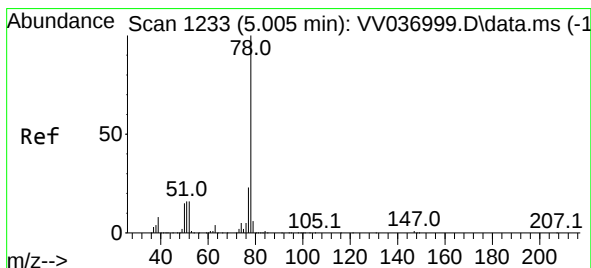
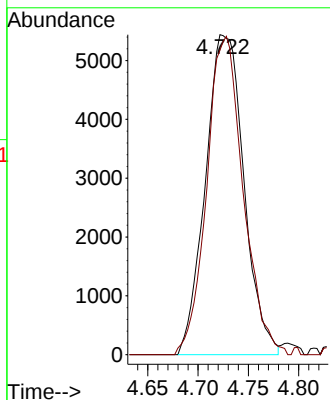
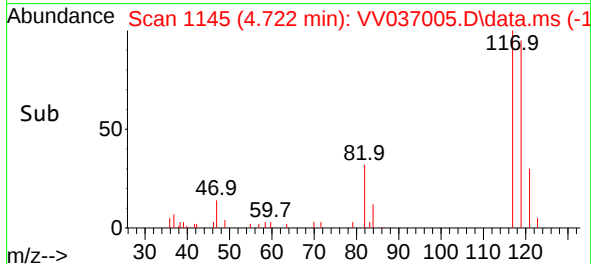
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:117 Resp: 14479
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0

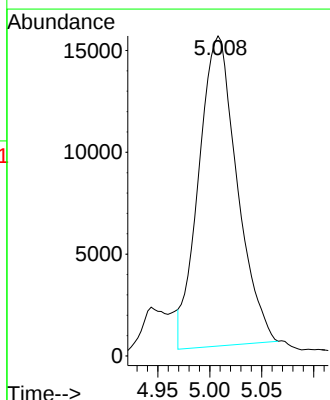
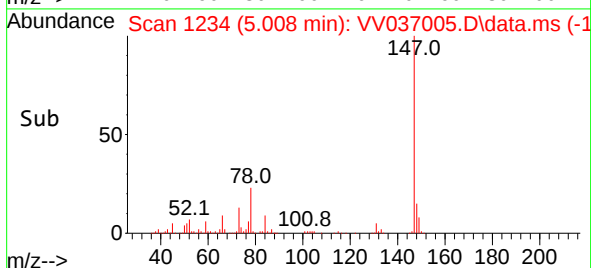
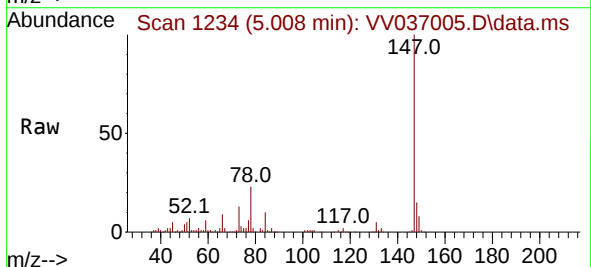
Manual Integrations
APPROVED

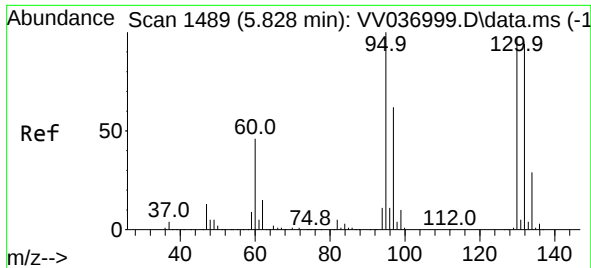
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#33
Benzene
Concen: 1.005 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

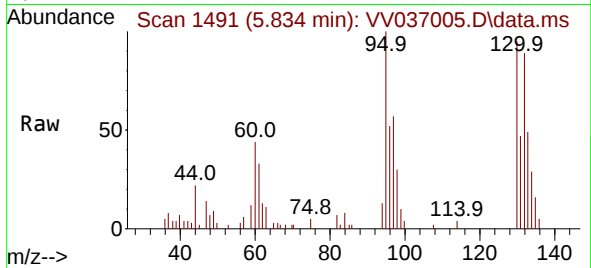
Tgt Ion: 78 Resp: 39074





#34
Trichloroethene
Concen: 1.071 ug/L
RT: 5.834 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

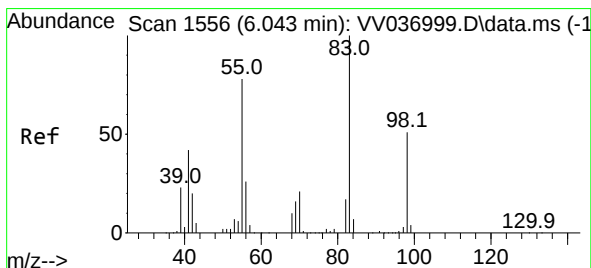
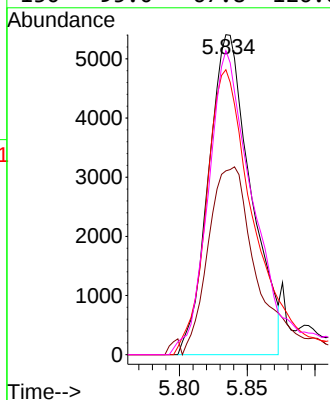
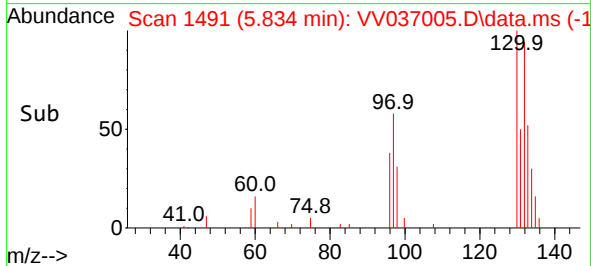
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



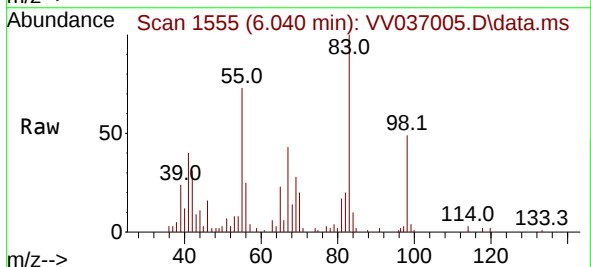
Tgt Ion: 95 Resp: 11760
Ion Ratio Lower Upper
95 100
97 57.5 43.5 80.9
132 89.1 66.1 122.7
130 95.0 67.8 126.0

Manual Integrations
APPROVED

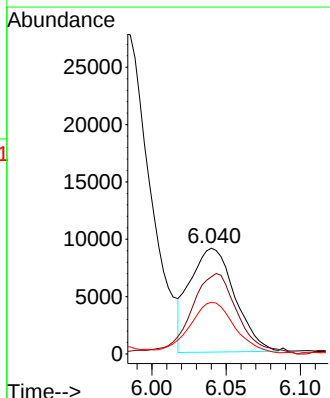
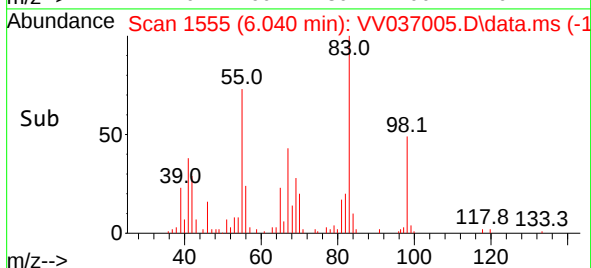
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

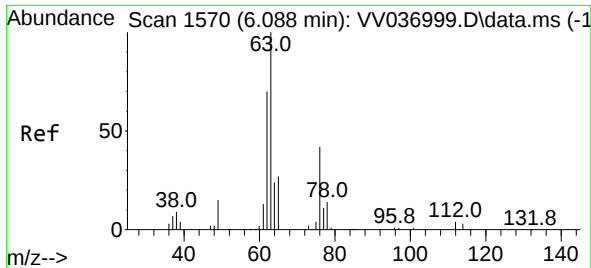


#35
Methylcyclohexane
Concen: 1.121 ug/L
RT: 6.040 min Scan# 1555
Delta R.T. -0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



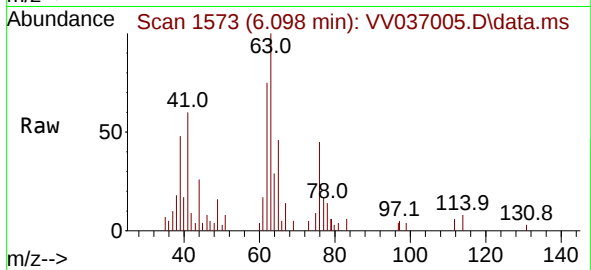
Tgt Ion: 83 Resp: 19036
Ion Ratio Lower Upper
83 100
55 80.4 60.9 91.3
98 49.4 39.0 58.6





#37
1,2-Dichloropropane
Concen: 1.069 ug/L m
RT: 6.098 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

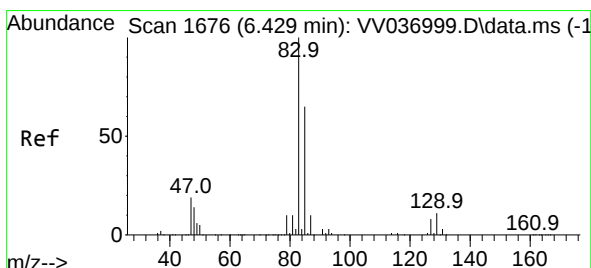
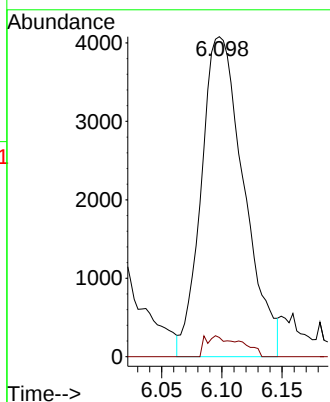
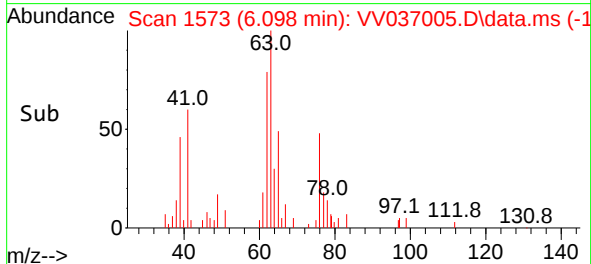
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



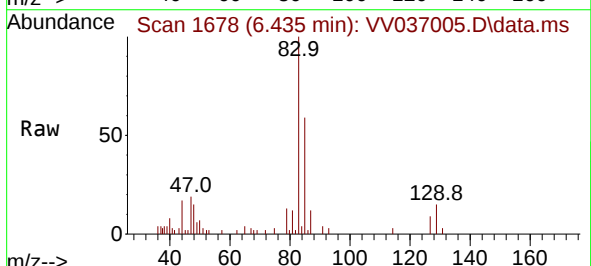
Tgt Ion: 63 Resp: 1004
Ion Ratio Lower Upper
63 100
112 0.9 3.7 5.5

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APPROVED

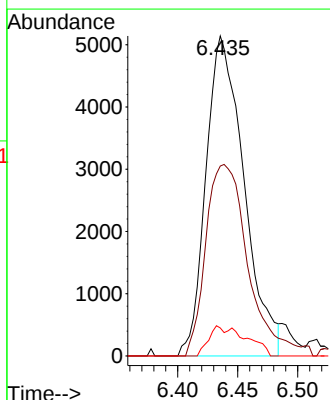
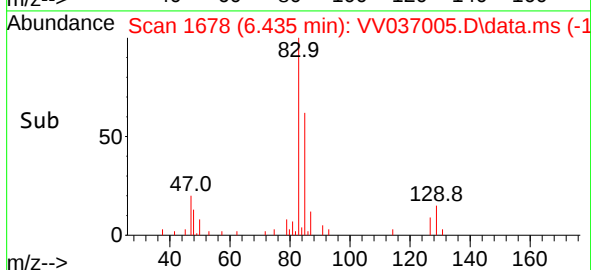
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

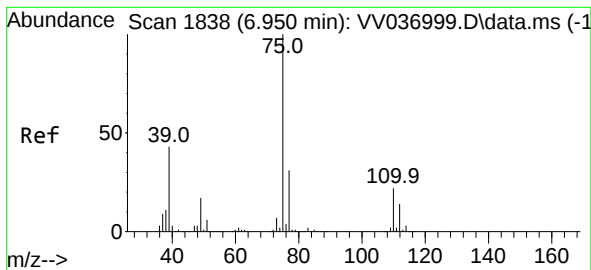


#38
Bromodichloromethane
Concen: 0.972 ug/L
RT: 6.435 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



Tgt Ion: 83 Resp: 11346
Ion Ratio Lower Upper
83 100
85 59.4 45.6 84.6
127 8.7 6.5 9.7





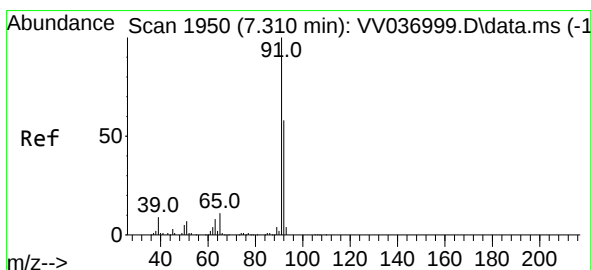
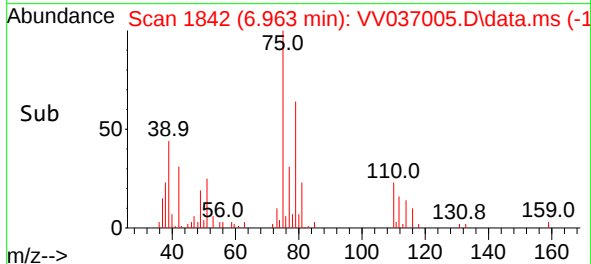
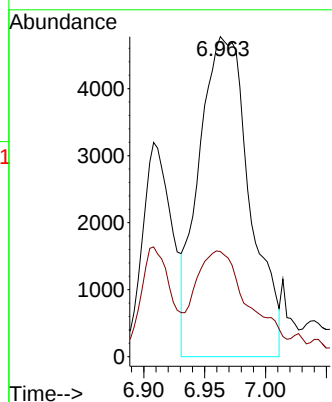
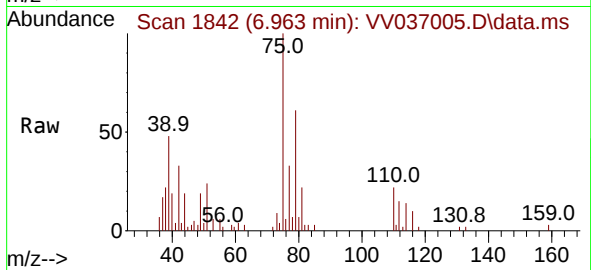
#39
cis-1,3-Dichloropropene
Concen: 1.015 ug/L m
RT: 6.963 min Scan# 1842
Delta R.T. 0.013 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument : MSVOA_V
ClientSampleId : MDL-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 13932
Ion Ratio Lower Upper
75 100
77 32.9 21.8 40.4

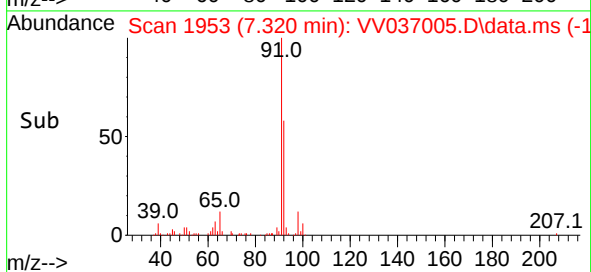
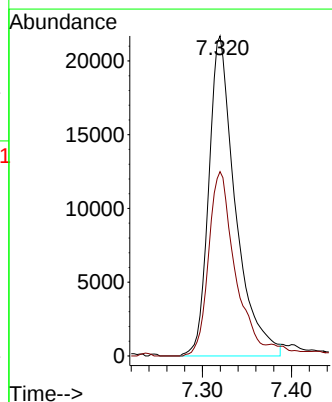
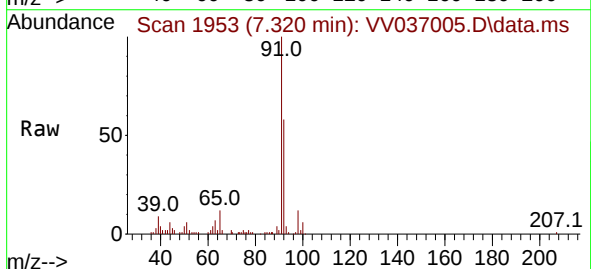
Manual Integrations
APPROVED

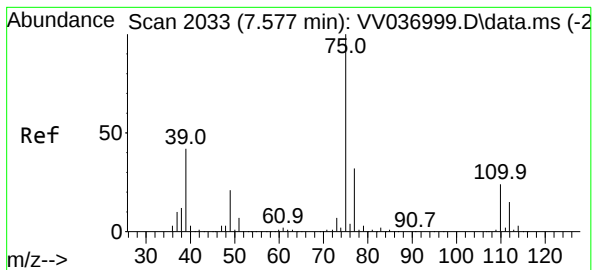
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#42
Toluene
Concen: 1.102 ug/L
RT: 7.320 min Scan# 1953
Delta R.T. 0.010 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Tgt Ion: 91 Resp: 44923
Ion Ratio Lower Upper
91 100
92 57.6 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 1.062 ug/L m

RT: 7.596 min Scan# 2039

Delta R.T. 0.019 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 1108

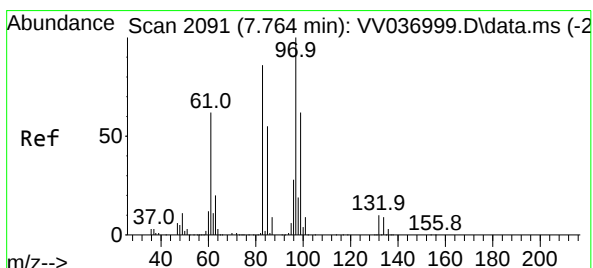
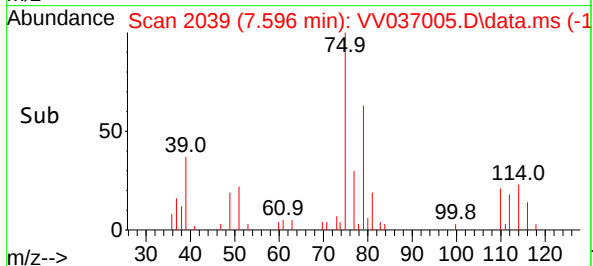
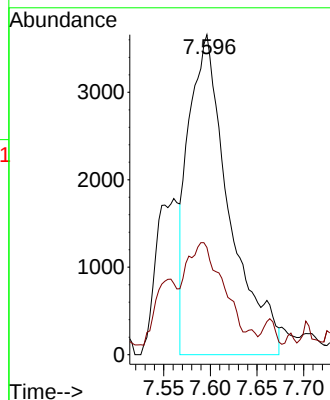
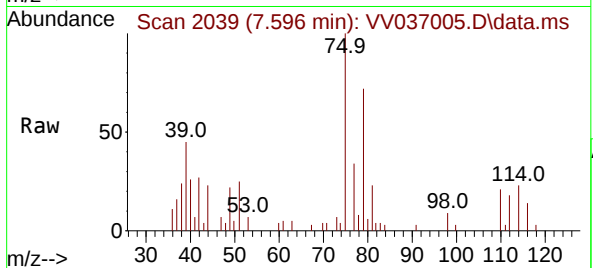
Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

#45

1,1,2-Trichloroethane

Concen: 0.948 ug/L

RT: 7.779 min Scan# 2096

Delta R.T. 0.016 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Tgt Ion: 97 Resp: 5845

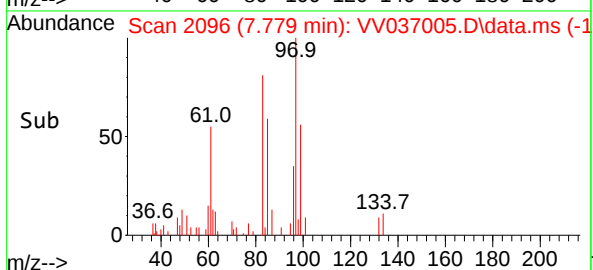
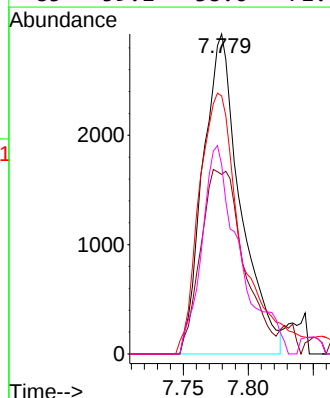
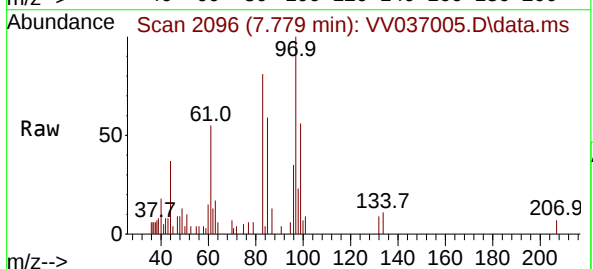
Ion Ratio Lower Upper

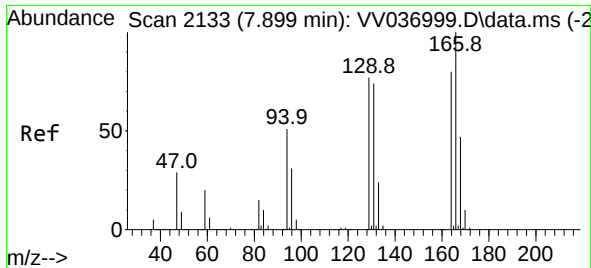
97 100

99 56.1 43.5 80.9

83 80.6 60.3 111.9

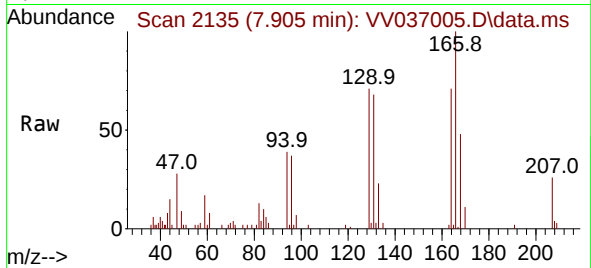
85 59.1 38.6 71.6





#46
Tetrachloroethene
Concen: 1.230 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

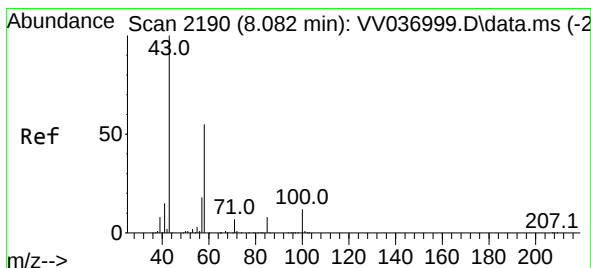
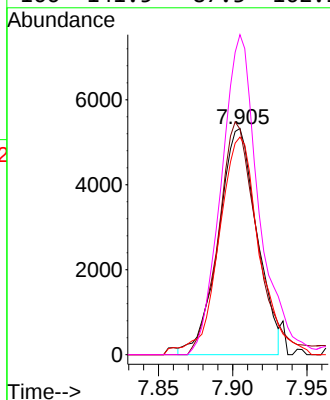
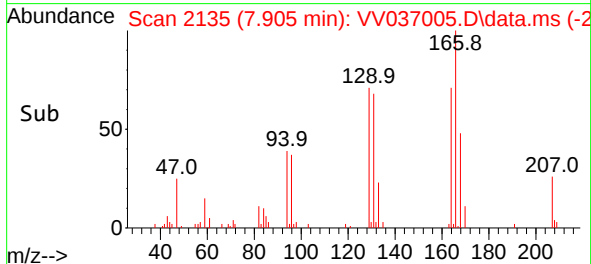
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



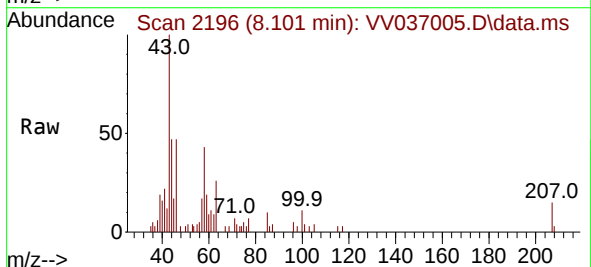
Tgt Ion:164 Resp: 955
Ion Ratio Lower Upper
164 100
129 99.8 67.3 124.9
131 96.2 64.8 120.3
166 141.5 87.3 162.1

Manual Integrations
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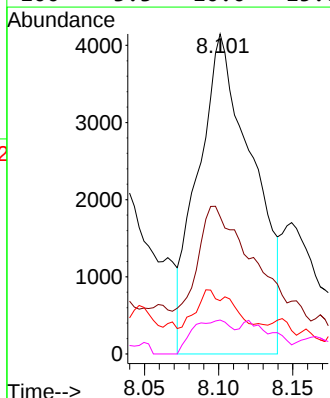
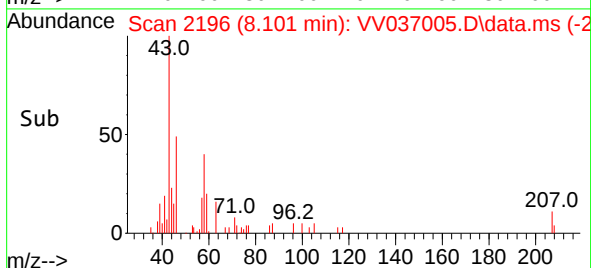
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

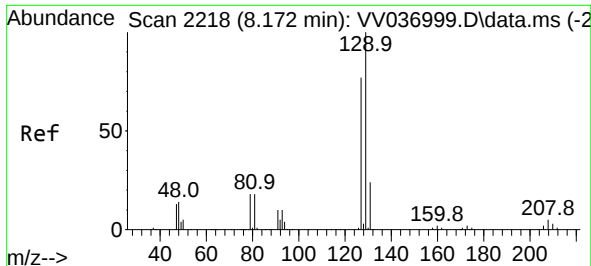


#48
2-Hexanone
Concen: 3.567 ug/L m
RT: 8.101 min Scan# 2196
Delta R.T. 0.019 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



Tgt Ion: 43 Resp: 10600
Ion Ratio Lower Upper
43 100
58 16.1 47.9 71.9#
57 4.8 15.1 22.7#
100 3.3 10.0 15.0#





#49

Dibromochloromethane

Concen: 0.938 ug/L

RT: 8.175 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion:129 Resp: 636

Ion Ratio Lower Upper

129 100

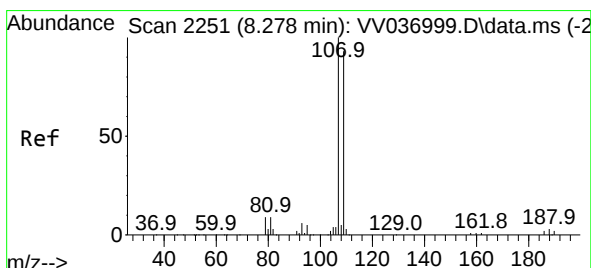
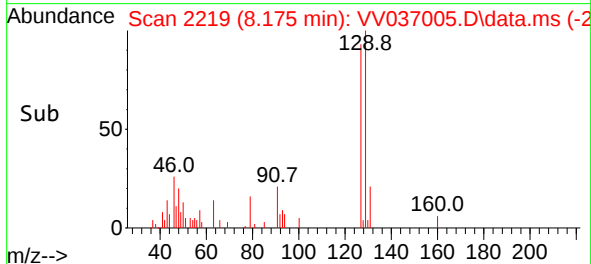
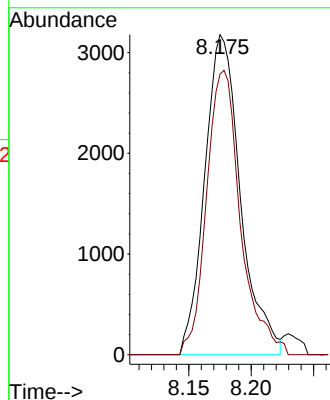
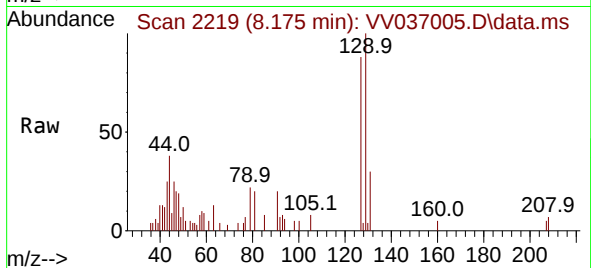
127 87.6 53.5 99.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#50

1,2-Dibromoethane

Concen: 0.964 ug/L

RT: 8.287 min Scan# 2254

Delta R.T. 0.009 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

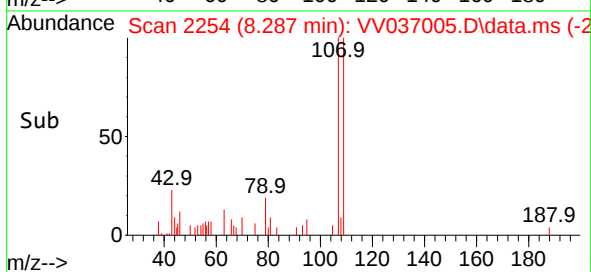
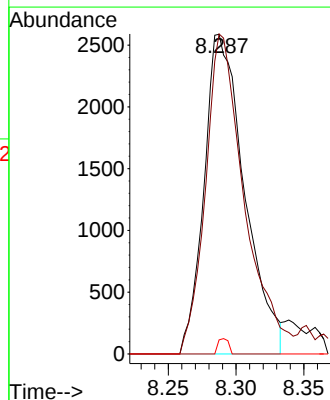
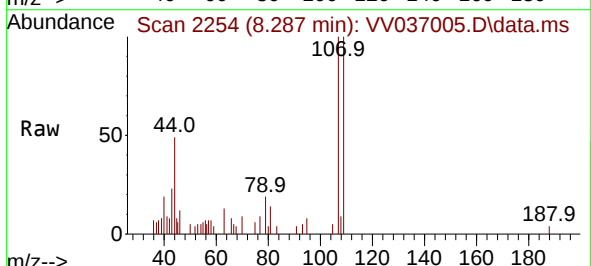
Tgt Ion:107 Resp: 5363

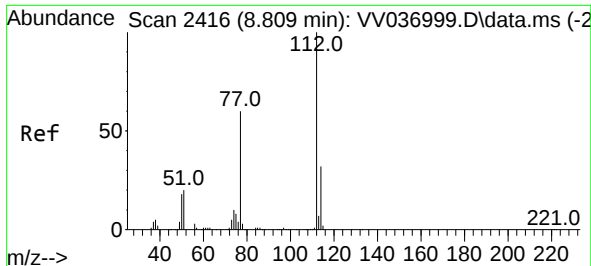
Ion Ratio Lower Upper

107 100

109 100.1 64.9 120.5

188 4.4 2.4 3.6#





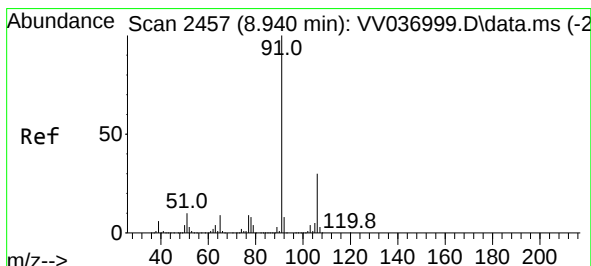
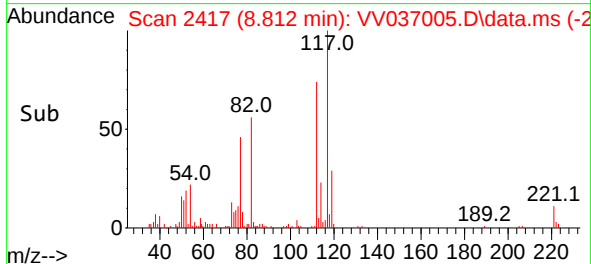
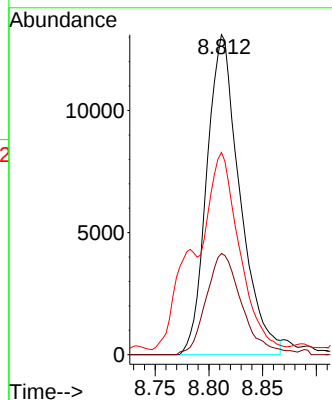
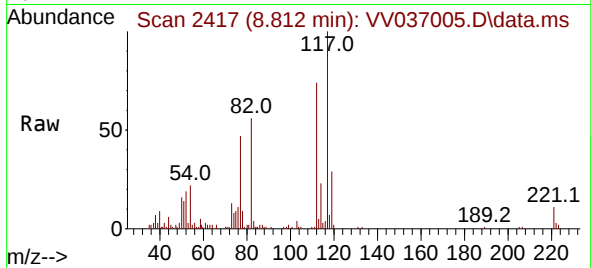
#51
Chlorobenzene
Concen: 1.077 ug/L
RT: 8.812 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion:112 Resp: 28020
Ion Ratio Lower Upper
112 100
114 31.6 22.7 42.3
77 63.2 48.2 72.2

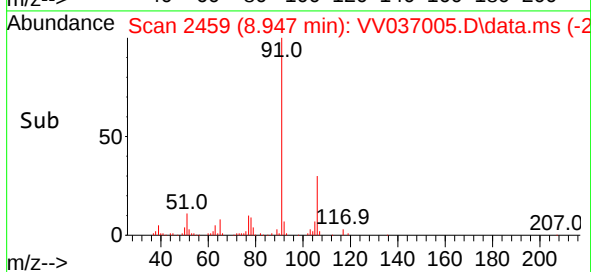
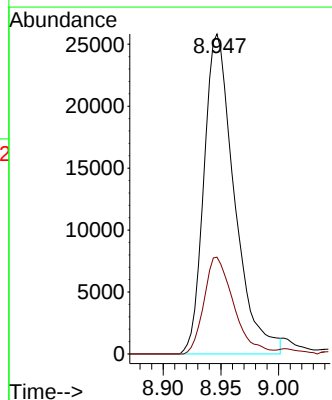
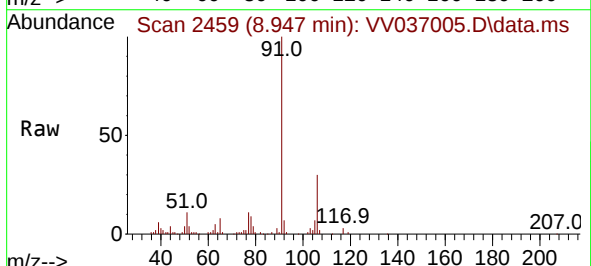
Manual Integrations
APPROVED

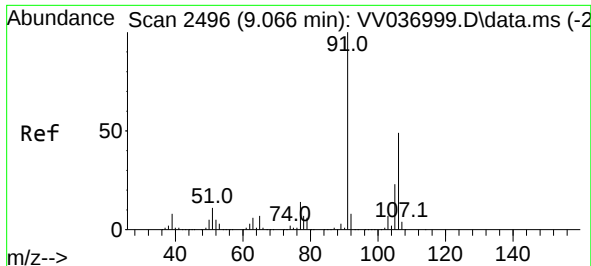
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#52
Ethylbenzene
Concen: 1.030 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Tgt Ion: 91 Resp: 47323
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5





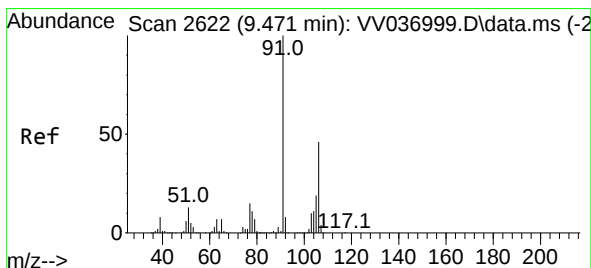
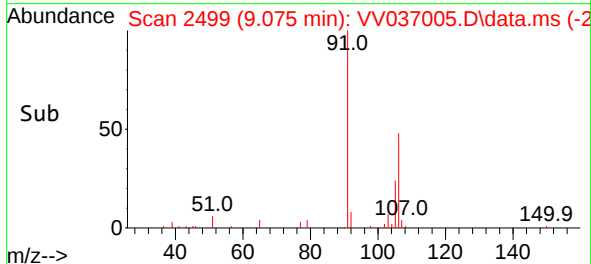
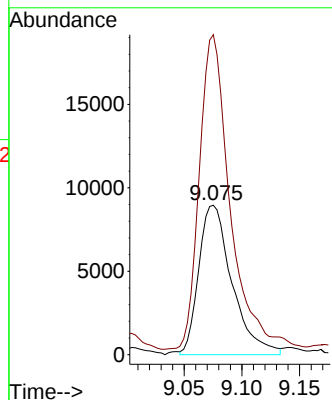
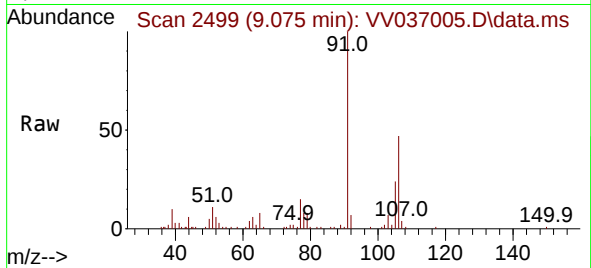
#53
m,p-Xylene
Concen: 1.051 ug/L
RT: 9.075 min Scan# 2496
Delta R.T. 0.009 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion:106 Resp: 17940
Ion Ratio Lower Upper
106 100
91 214.2 142.4 264.4

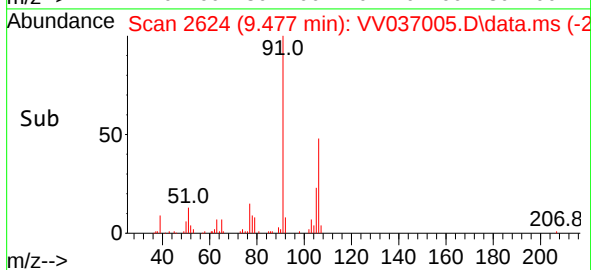
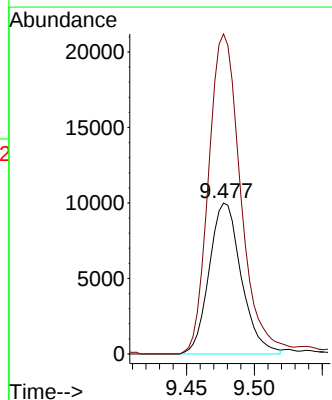
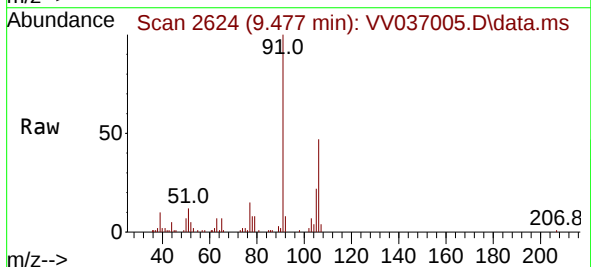
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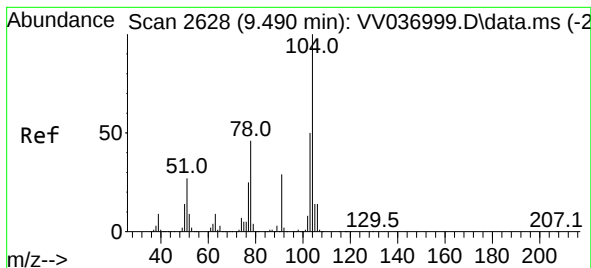
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#54
o-Xylene
Concen: 1.010 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

Tgt Ion:106 Resp: 16476
Ion Ratio Lower Upper
106 100
91 212.1 152.8 283.8





#55

Styrene

Concen: 0.975 ug/L m

RT: 9.503 min Scan# 2624

Delta R.T. 0.013 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion:104 Resp: 2624

Ion Ratio Lower Upper

104 100

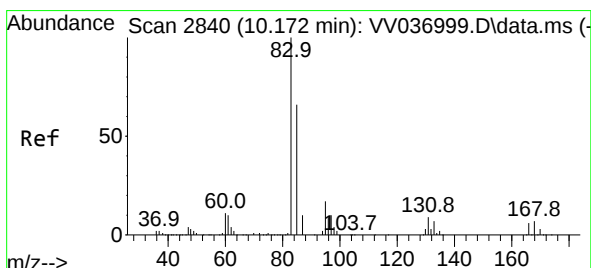
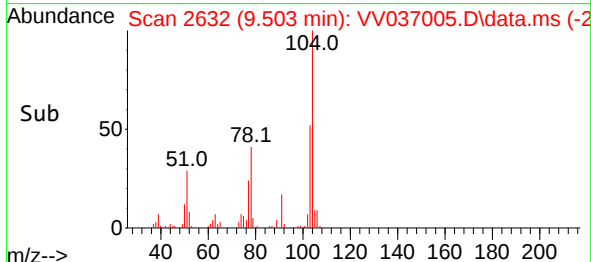
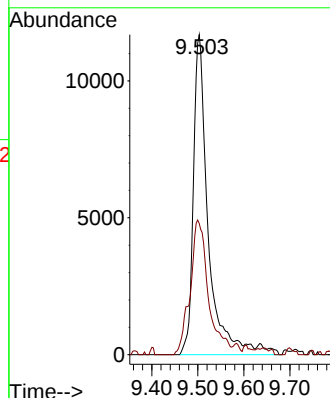
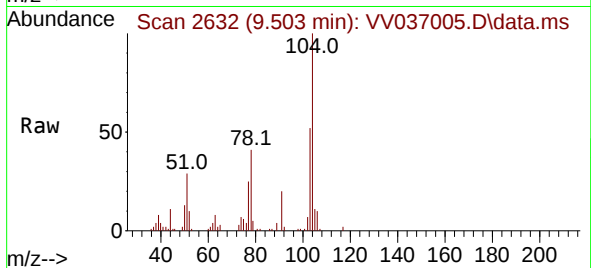
78 41.0 31.9 59.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 1.096 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

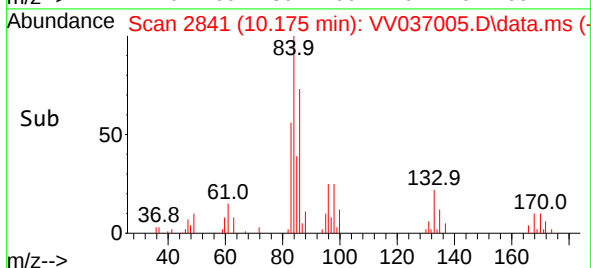
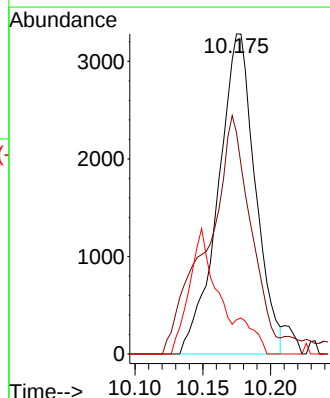
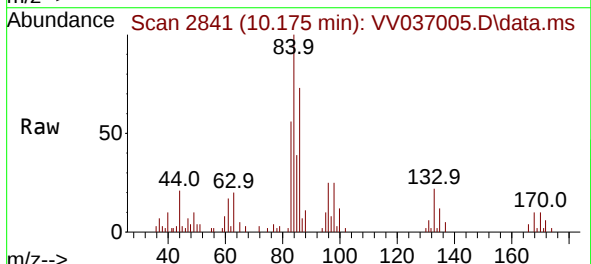
Tgt Ion: 83 Resp: 6258

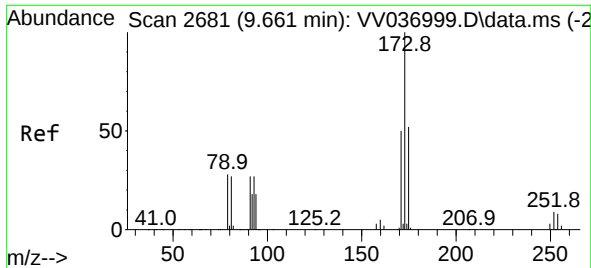
Ion Ratio Lower Upper

83 100

85 69.1 46.4 86.2

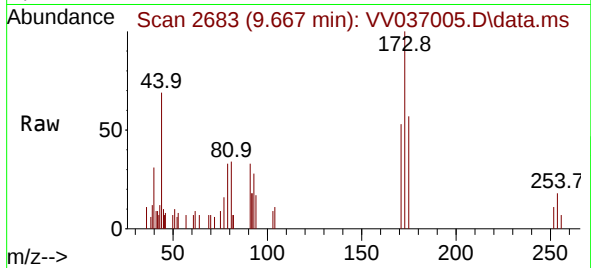
131 10.7 7.6 11.4





#59
Bromoform
Concen: 0.925 ug/L
RT: 9.667 min Scan# 20
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

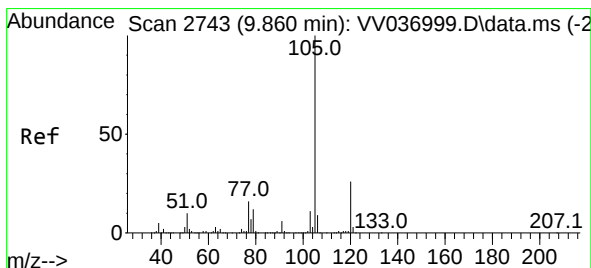
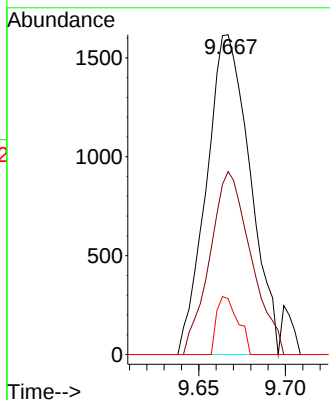
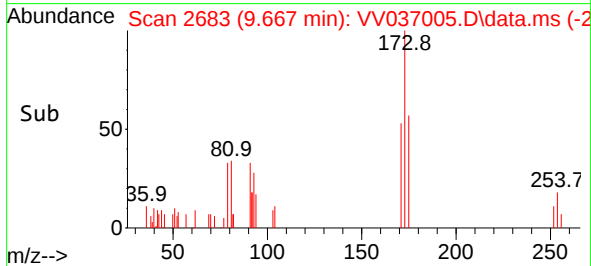
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



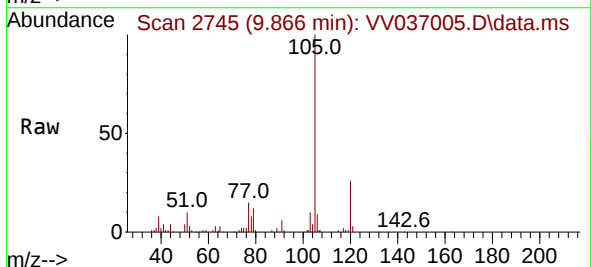
Tgt Ion:173 Resp: 282
Ion Ratio Lower Upper
173 100
175 54.2 40.1 60.1
254 8.9 6.2 9.4

Manual Integrations
APPROVED

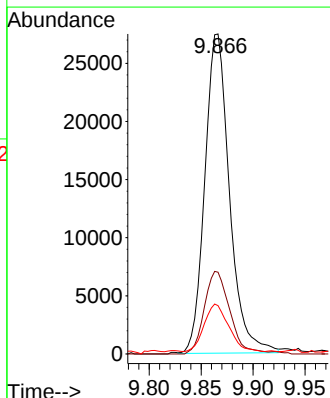
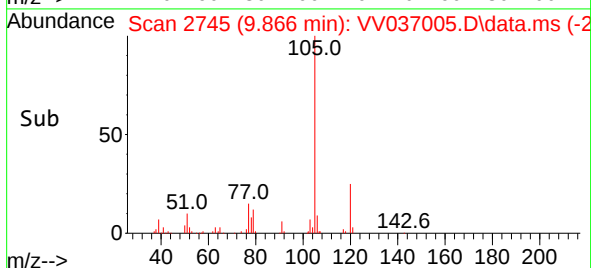
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

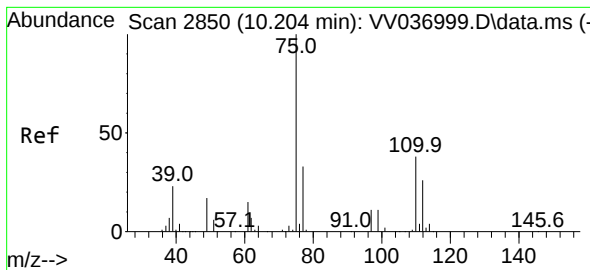


#60
Isopropylbenzene
Concen: 1.066 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



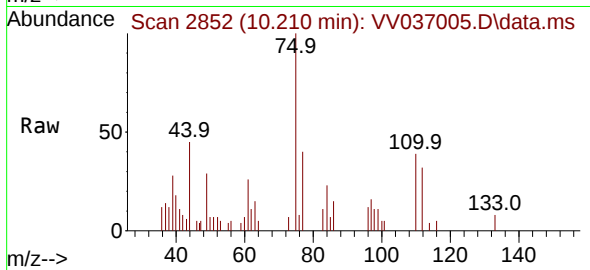
Tgt Ion:105 Resp: 45377
Ion Ratio Lower Upper
105 100
120 26.6 20.8 31.2
77 14.8 12.6 19.0





#61
1,2,3-Trichloropropane
Concen: 1.141 ug/L m
RT: 10.210 min Scan# 210
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

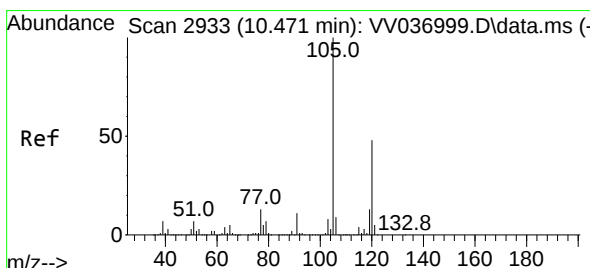
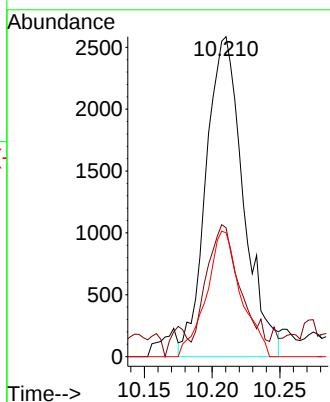
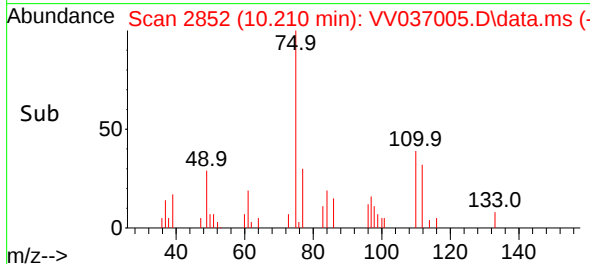
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 75 Resp: 496
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
110 36.4 31.0 46.4

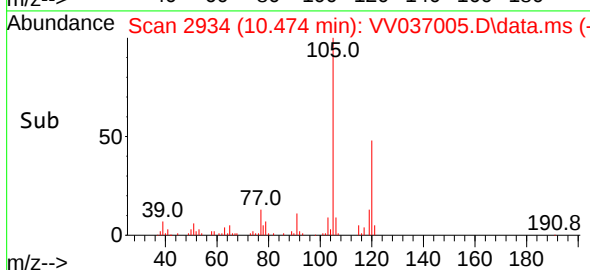
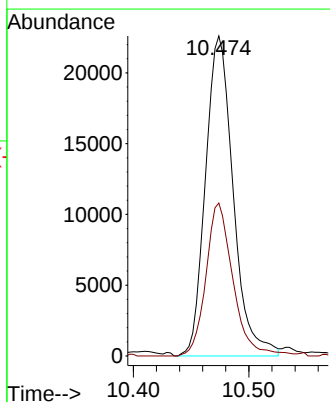
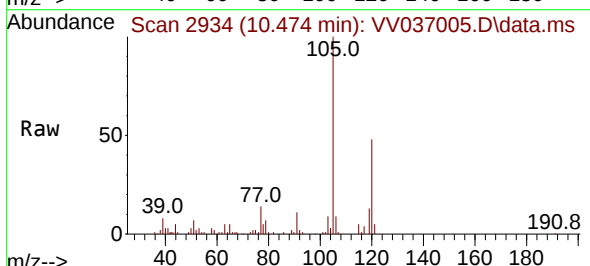
Manual Integrations
APPROVED

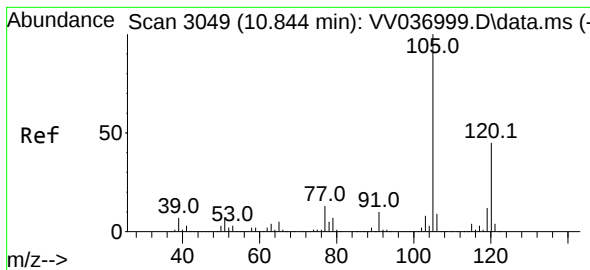
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.083 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

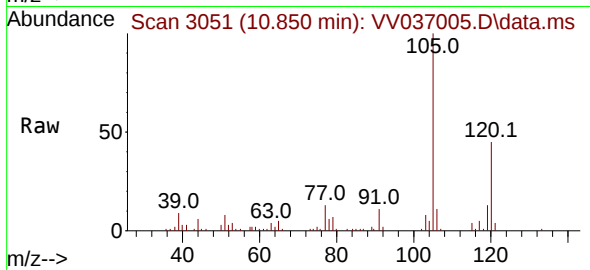
Tgt Ion:105 Resp: 37718
Ion Ratio Lower Upper
105 100
120 46.5 38.4 57.6





#63
1,2,4-Trimethylbenzene
Concen: 0.988 ug/L
RT: 10.850 min Scan# 3049
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

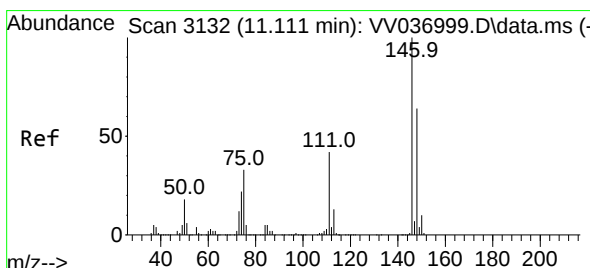
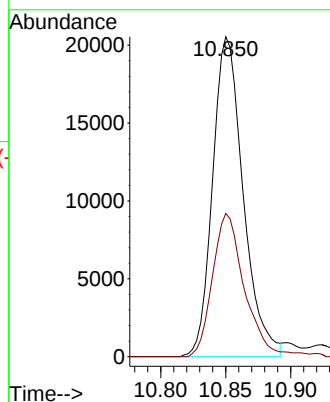
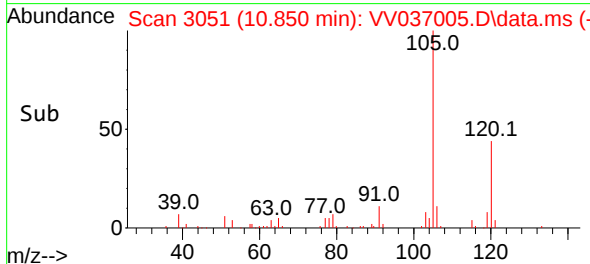
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:105 Resp: 33560
Ion Ratio Lower Upper
105 100
120 46.3 36.2 54.2

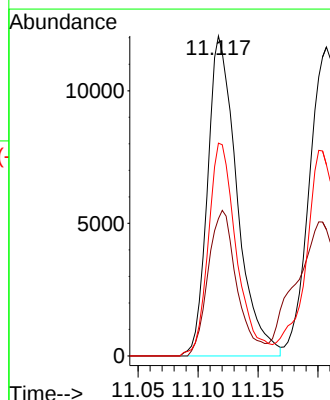
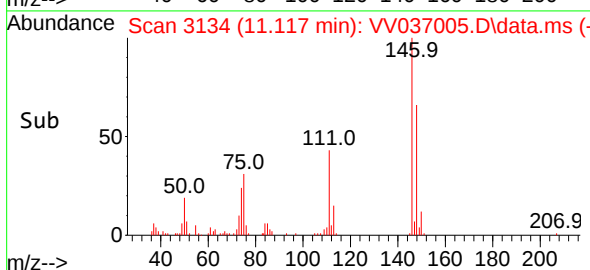
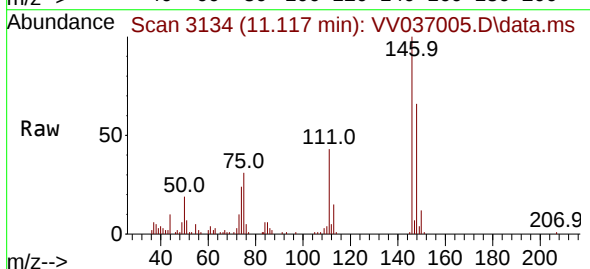
Manual Integrations
APPROVED

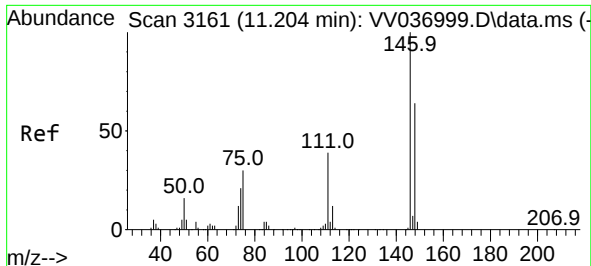
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#64
1,3-Dichlorobenzene
Concen: 1.132 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

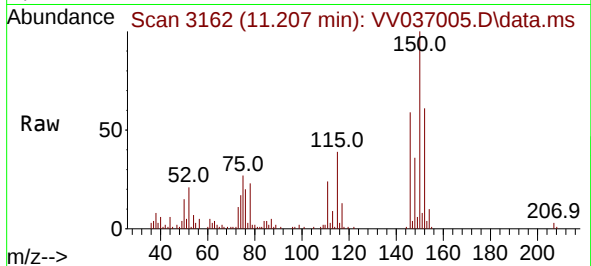
Tgt Ion:146 Resp: 20585
Ion Ratio Lower Upper
146 100
111 42.9 29.5 54.9
148 66.5 44.7 83.1





#65
1,4-Dichlorobenzene
Concen: 1.184 ug/L
RT: 11.207 min Scan# 3161
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

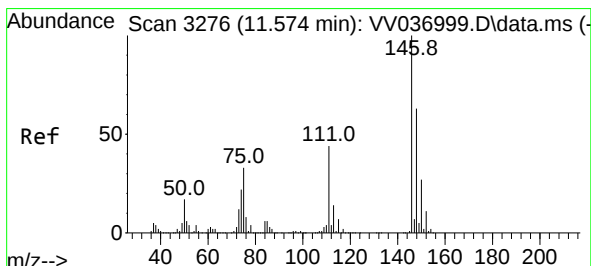
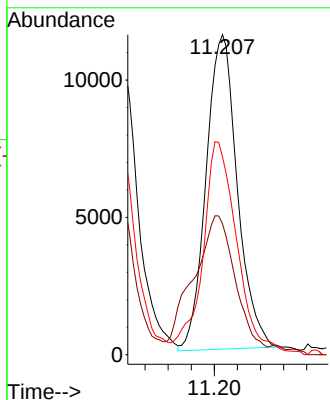
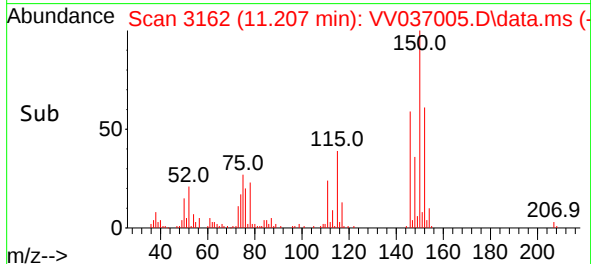
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:146 Resp: 2150
Ion Ratio Lower Upper
146 100
111 40.9 27.6 51.4
148 61.9 44.9 83.3

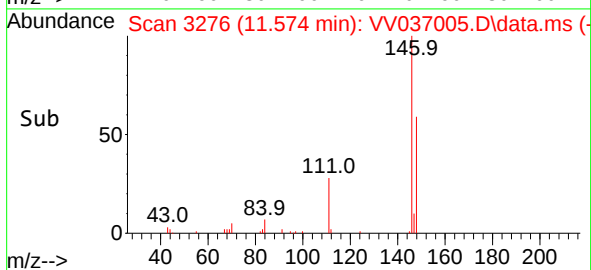
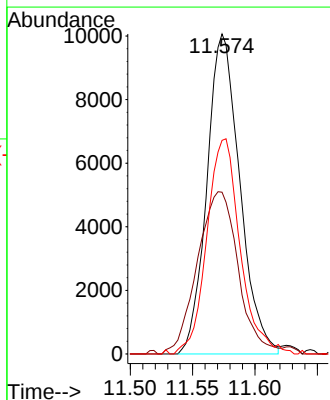
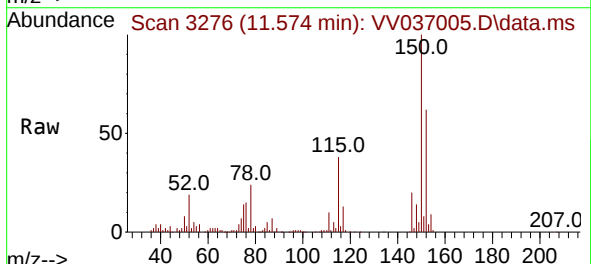
Manual Integrations
APPROVED

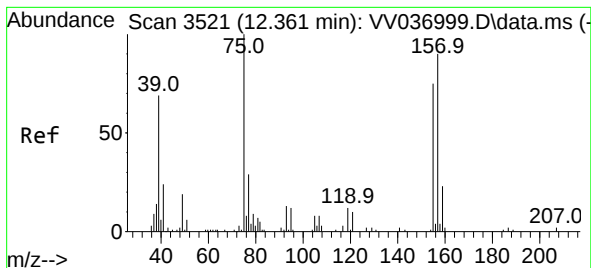
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#67
1,2-Dichlorobenzene
Concen: 1.173 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. -0.000 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

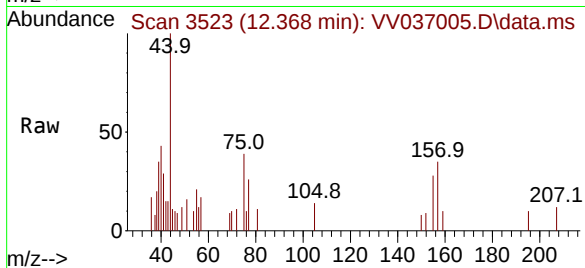
Tgt Ion:146 Resp: 18488
Ion Ratio Lower Upper
146 100
111 50.6 35.4 53.0
148 66.8 50.8 76.2





#68
1,2-Dibromo-3-chloropropane
Concen: 1.081 ug/L m
RT: 12.368 min Scan# 3521
Delta R.T. 0.006 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13

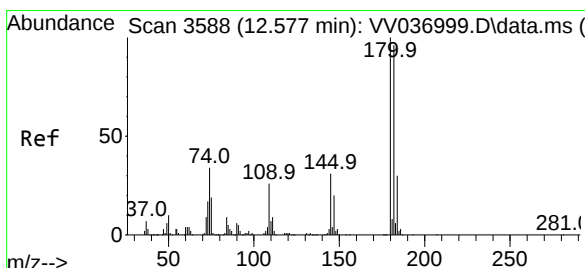
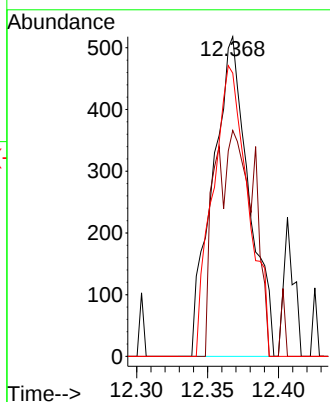
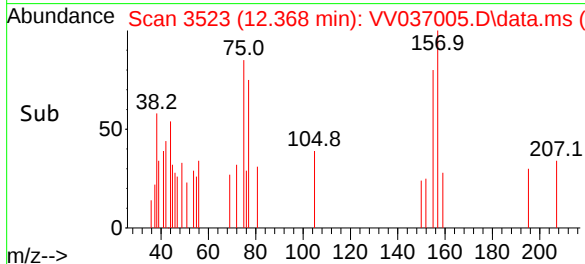
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-05



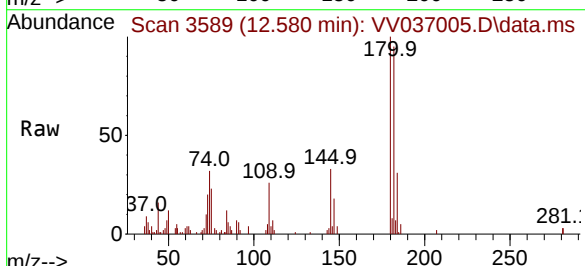
Tgt Ion: 75 Resp: 919
Ion Ratio Lower Upper
75 100
155 70.7 59.9 89.9
157 88.6 72.2 108.2

Manual Integrations
APPROVED

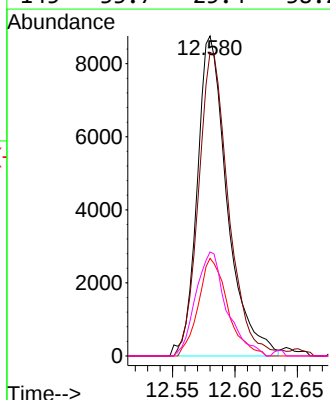
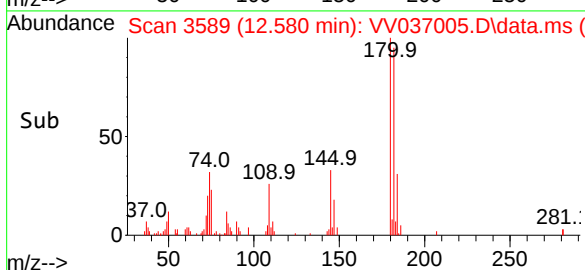
Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

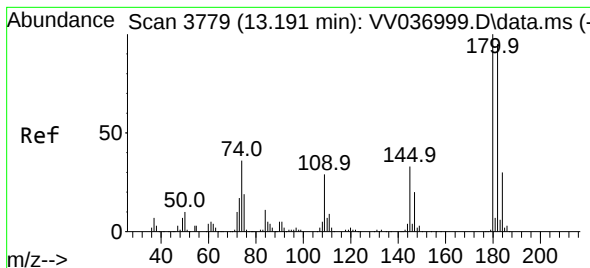


#69
1,3,5-Trichlorobenzene
Concen: 1.148 ug/L
RT: 12.580 min Scan# 3589
Delta R.T. 0.003 min
Lab File: VV037005.D
Acq: 22 Aug 2024 13:13



Tgt Ion:180 Resp: 14552
Ion Ratio Lower Upper
180 100
182 95.4 76.4 114.6
184 30.1 24.2 36.4
145 33.7 25.4 38.2





#70

1,2,4-trichlorobenzene

Concen: 1.131 ug/L

RT: 13.200 min Scan# 31

Delta R.T. 0.009 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Instrument :

MSVOA_V

ClientSampleId :

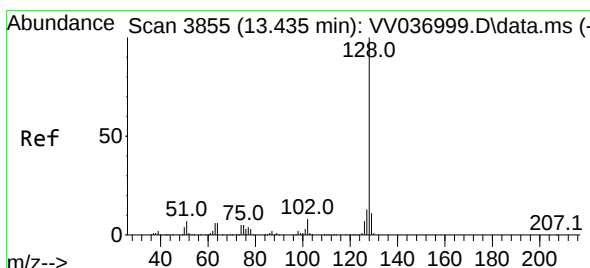
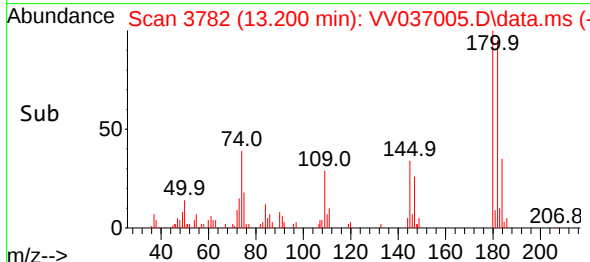
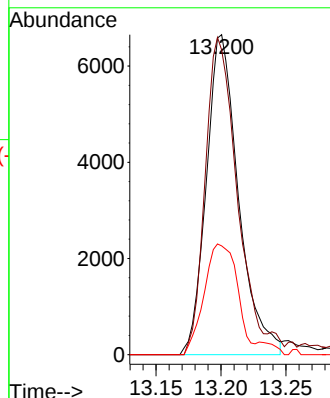
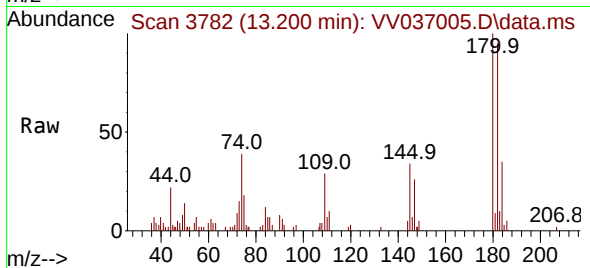
MDL-SOIL-QT3-2024-05

Tgt Ion:180	Resp:	1146
Ion Ratio	Lower	Upper
180	100	
182	97.1	76.0 114.0
145	35.7	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024



#71

Naphthalene

Concen: 1.319 ug/L

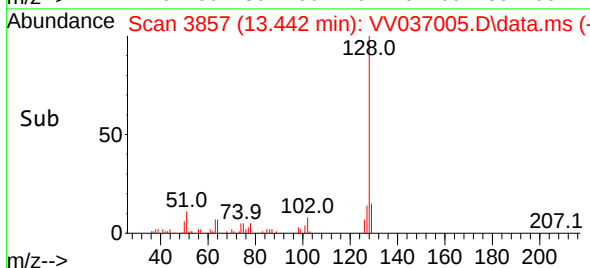
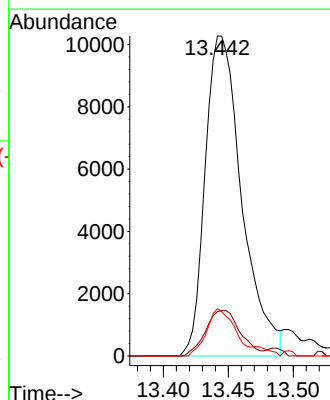
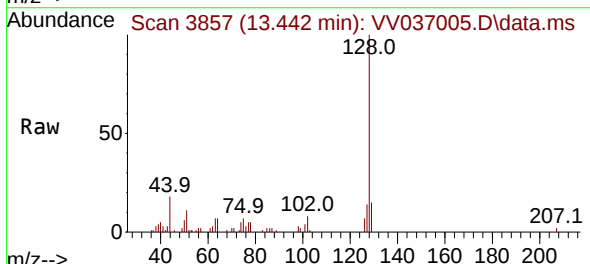
RT: 13.442 min Scan# 3857

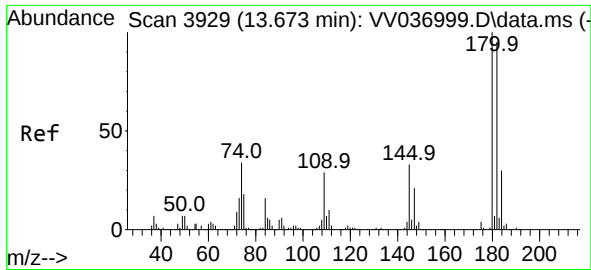
Delta R.T. 0.006 min

Lab File: VV037005.D

Acq: 22 Aug 2024 13:13

Tgt Ion:128	Resp:	20151
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.2 15.4
129	11.3	8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 1.191 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.006 min

Lab File: VV037005.D

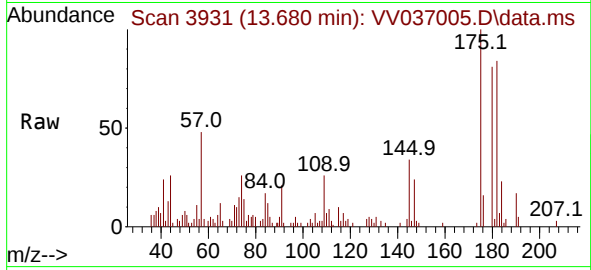
Acq: 22 Aug 2024 13:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion:	180	Resp:	999
Ion Ratio	Lower	Upper	
180	100		
182	97.6	76.2	114.4
145	36.1	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024

Supervised By :Semsettin Yesilyurt 08/23/2024

