

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090524\
 Data File : VV037207.D
 Acq On : 05 Sep 2024 10:24
 Operator : SY/MD
 Sample : P3391-04
 Misc : 5.00g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 06 01:37:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 06 01:31:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	576840	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	558182	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	263359	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170941	16.544	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.160%
7) Chloroethane-d5	1.532	69	141070	17.588	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.360%
11) 1,1-Dichloroethene-d2	2.059	65	79412	17.086	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.360%
21) 2-Butanone-d5	3.838	46	74264	33.234	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.460%
24) Chloroform-d	4.246	84	325321	18.328	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.320%
26) 1,2-Dichloroethane-d4	4.940	65	176282	19.580	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.320%
32) Benzene-d6	4.953	84	662658	18.788	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.160%
36) 1,2-Dichloropropane-d6	5.985	67	210629	19.276	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.120%
41) Toluene-d8	7.239	98	585820	18.366	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.480%
43) trans-1,3-Dichloroprop...	7.551	79	73021	17.361	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.440%
47) 2-Hexanone-d5	8.034	63	46843	31.448	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.900%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155453	18.508	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.040%
66) 1,2-Dichlorobenzene-d4	11.554	152	205376	19.978	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8030	1.011	ug/L	99
3) Chloromethane	1.217	50	11038	1.163	ug/L	99
5) Vinyl chloride	1.285	62	10635	1.139	ug/L #	65
6) Bromomethane	1.490	94	6568	1.216	ug/L	99
8) Chloroethane	1.551	64	5542	0.965	ug/L	92
9) Trichlorofluoromethane	1.715	101	13624	1.069	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	10440	1.312	ug/L	87
12) 1,1-Dichloroethene	2.066	96	9321	1.286	ug/L #	1
13) Acetone	2.153	43	9646m	3.450	ug/L	
14) Carbon disulfide	2.240	76	24039	1.010	ug/L	98
15) Methyl Acetate	2.384	43	4114	1.041	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	8223	1.040	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	18371	0.992	ug/L #	88
19) 1,1-Dichloroethane	3.108	63	15051	0.994	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	8500	1.018	ug/L	93
22) 2-Butanone	3.940	43	5258m	2.009	ug/L	
23) Bromochloromethane	4.146	128	3671m	0.987	ug/L	
25) Chloroform	4.272	83	18966	1.290	ug/L	100
27) 1,2-Dichloroethane	5.056	62	9814m	1.054	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.571	56	12097	0.961	ug/L	95
30) 1,1,1-Trichloroethane	4.506	97	12305	0.993	ug/L	99
31) Carbon tetrachloride	4.728	117	10061	0.960	ug/L	99
33) Benzene	5.011	78	31574	1.008	ug/L	100
34) Trichloroethene	5.841	95	9185	1.078	ug/L	91
35) Methylcyclohexane	6.043	83	15062m	1.084	ug/L	
37) 1,2-Dichloropropane	6.101	63	9083m	1.108	ug/L	
38) Bromodichloromethane	6.439	83	10002	0.983	ug/L #	85
39) cis-1,3-Dichloropropene	6.963	75	11488	0.924	ug/L	94
40) 4-Methyl-2-pentanone	7.181	43	11279m	2.483	ug/L	
42) Toluene	7.323	91	31933	0.969	ug/L	97
44) trans-1,3-Dichloropropene	7.596	75	10583m	1.052	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6666m	1.089	ug/L	
46) Tetrachloroethene	7.905	164	6486	1.035	ug/L	92
48) 2-Hexanone	8.098	43	14562m	3.846	ug/L	
49) Dibromochloromethane	8.178	129	6277	0.986	ug/L	91
50) 1,2-Dibromoethane	8.291	107	5334	0.912	ug/L	95
51) Chlorobenzene	8.812	112	21034	0.975	ug/L	98
52) Ethylbenzene	8.950	91	34297	0.929	ug/L	98
53) m,p-Xylene	9.075	106	12596	0.920	ug/L	96
54) o-Xylene	9.480	106	11229	0.851	ug/L	89
55) Styrene	9.503	104	19657m	0.879	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	8317	1.140	ug/L #	93
59) Bromoform	9.670	173	3255	0.973	ug/L #	90
60) Isopropylbenzene	9.863	105	30497	0.892	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	5120	1.055	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	23343	0.859	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	22940	0.852	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	14957	0.959	ug/L	88
65) 1,4-Dichlorobenzene	11.207	146	17940	1.128	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	15491	1.071	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.371	75	1245	1.137	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.583	180	11275	1.019	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10294	1.054	ug/L	91
71) Naphthalene	13.445	128	18160	0.953	ug/L	96
72) 1,2,3-Trichlorobenzene	13.680	180	8600	0.959	ug/L	97

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

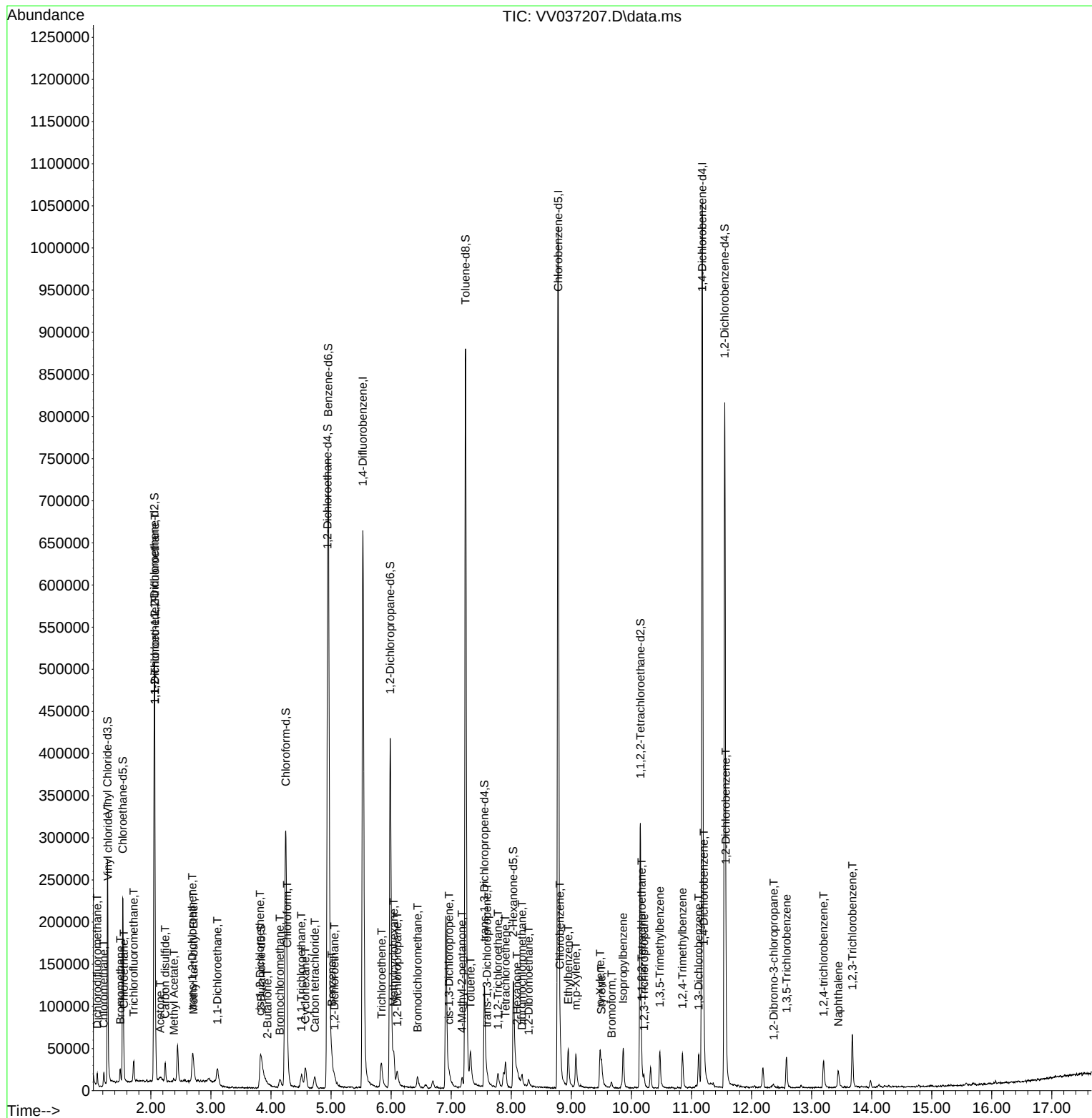
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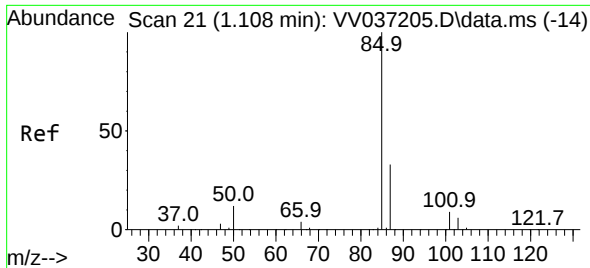
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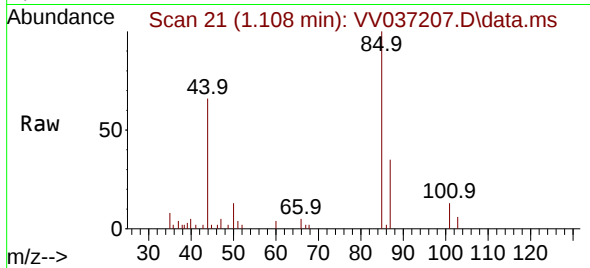
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024





#2
Dichlorodifluoromethane
Concen: 1.011 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

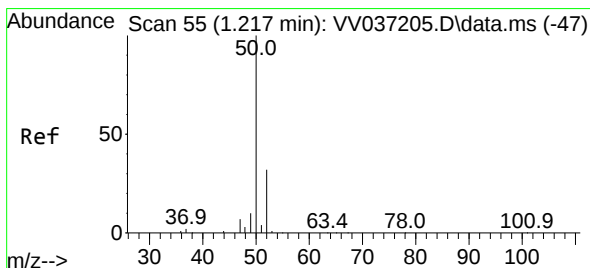
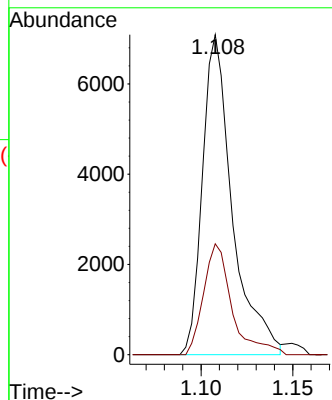
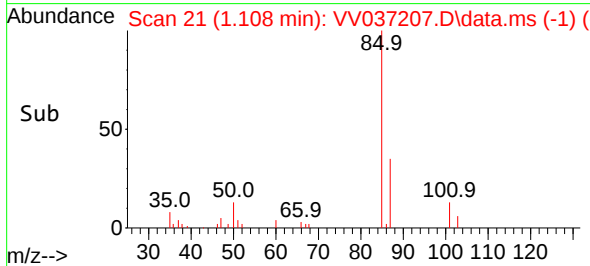
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 85 Resp: 8030
Ion Ratio Lower Upper
85 100
87 32.9 26.1 39.1

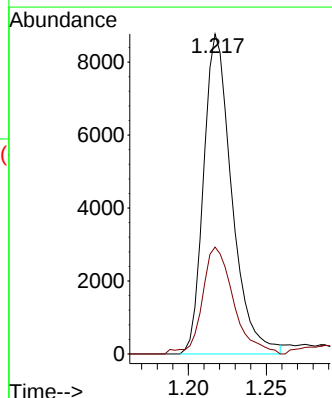
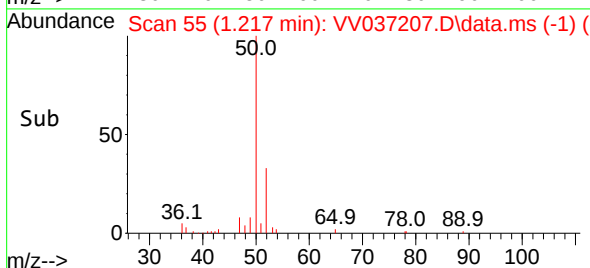
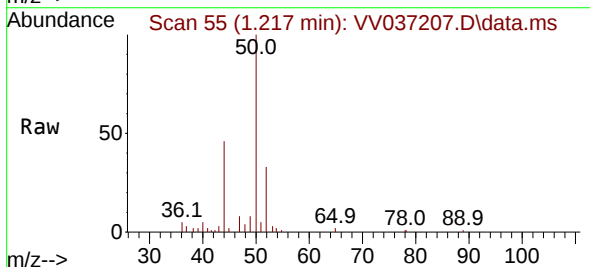
Manual Integrations
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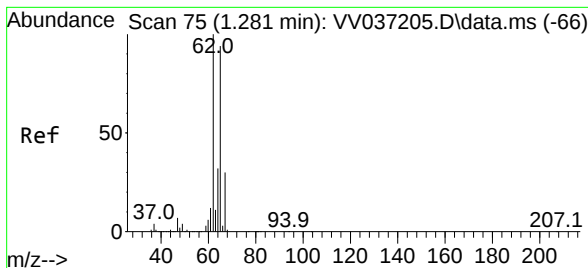
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#3
Chloromethane
Concen: 1.163 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

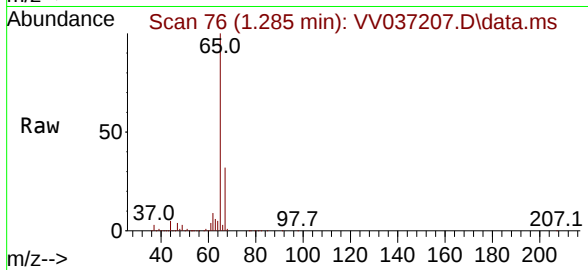
Tgt Ion: 50 Resp: 11038
Ion Ratio Lower Upper
50 100
52 33.4 22.9 42.5





#5
 Vinyl chloride
 Concen: 1.139 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

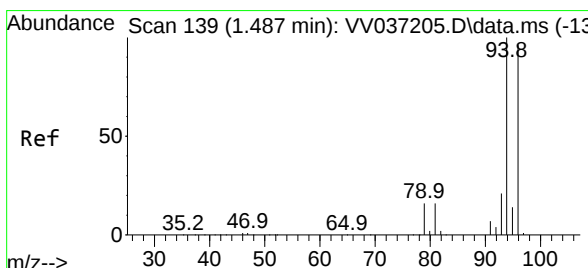
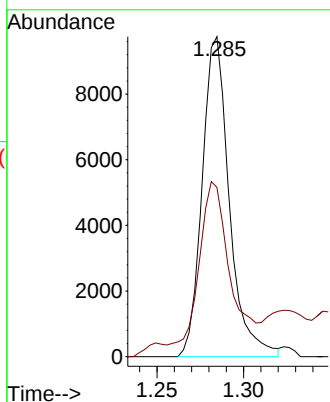
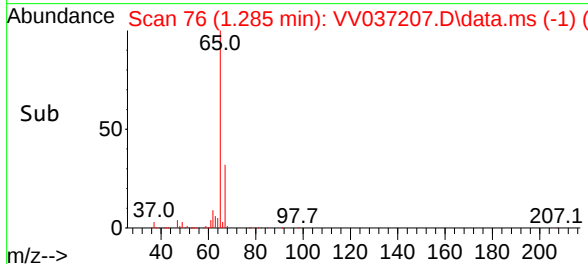
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-06



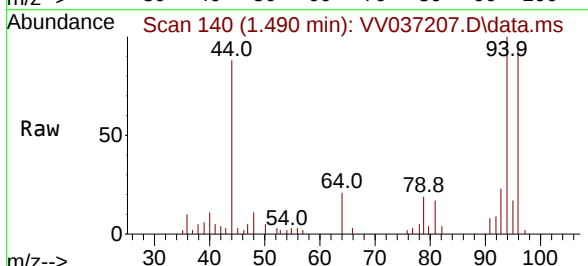
Tgt Ion: 62 Resp: 1063
 Ion Ratio Lower Upper
 62 100
 64 52.9 23.2 43.2

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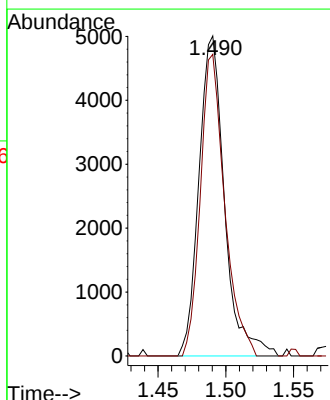
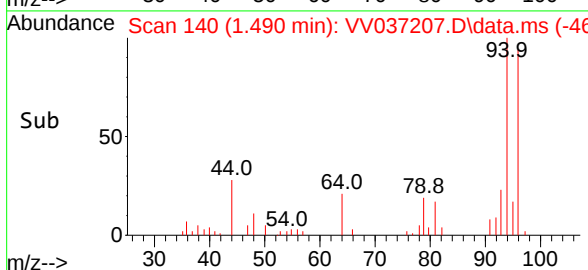
Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024

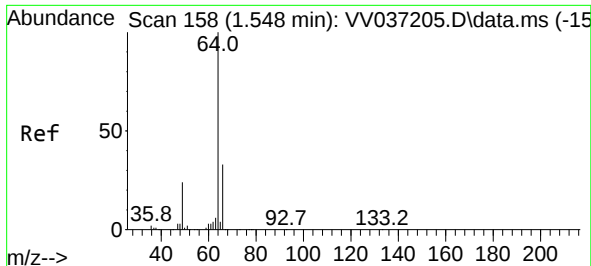


#6
 Bromomethane
 Concen: 1.216 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24



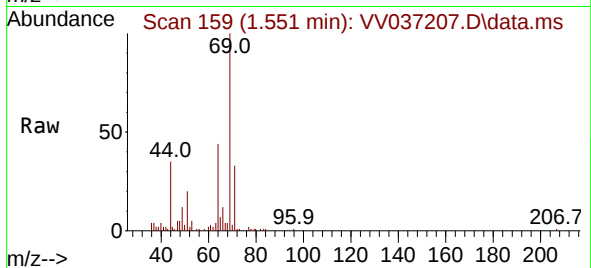
Tgt Ion: 94 Resp: 6568
 Ion Ratio Lower Upper
 94 100
 96 94.2 66.6 123.6





#8
Chloroethane
Concen: 0.965 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

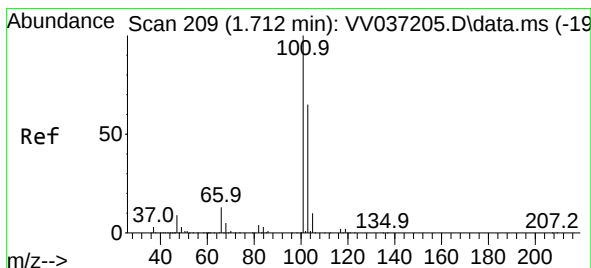
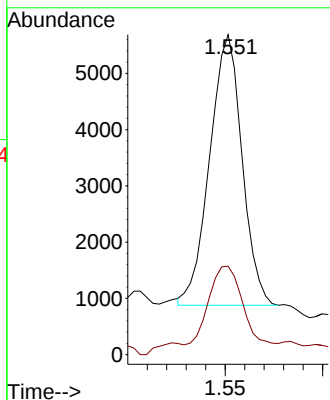
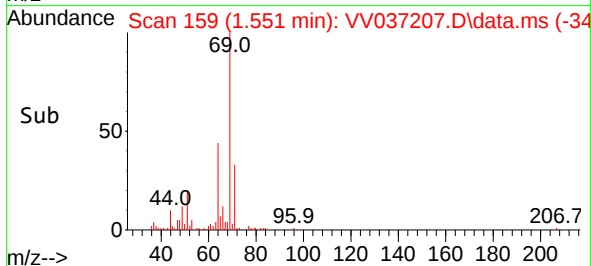
Instrument :
MSVOA_V
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MDL-SOIL-QT3-2024-06



Tgt Ion: 64 Resp: 554
Ion Ratio Lower Upper
64 100
66 27.7 22.7 42.1

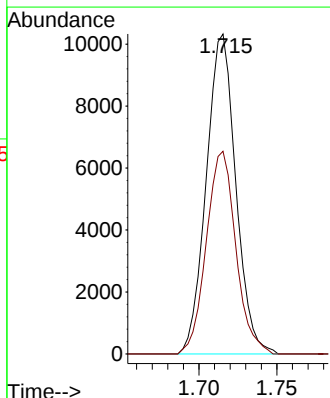
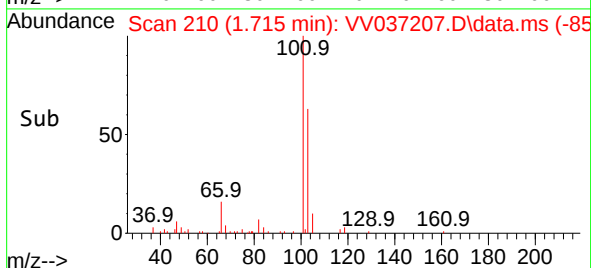
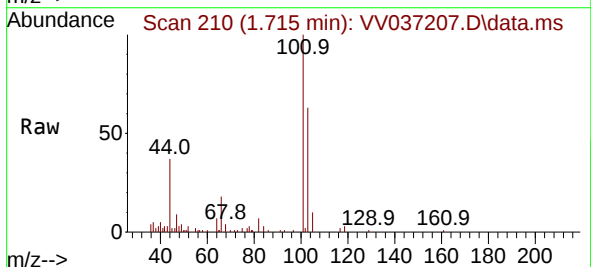
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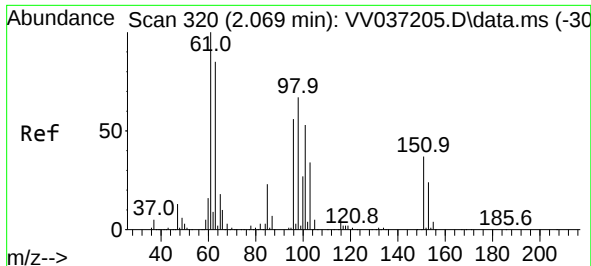
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#9
Trichlorofluoromethane
Concen: 1.069 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion:101 Resp: 13624
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2





#10

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

Concen: 1.312 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

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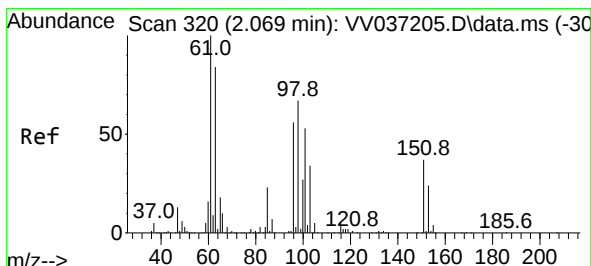
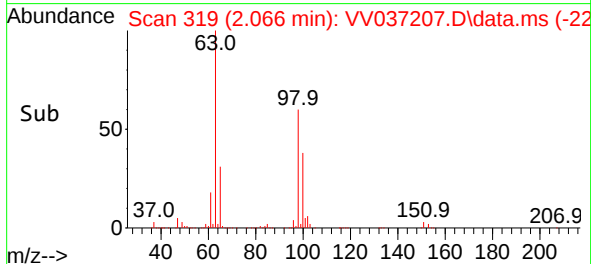
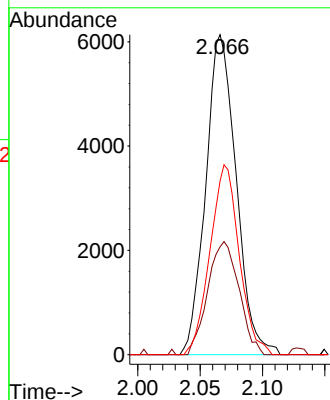
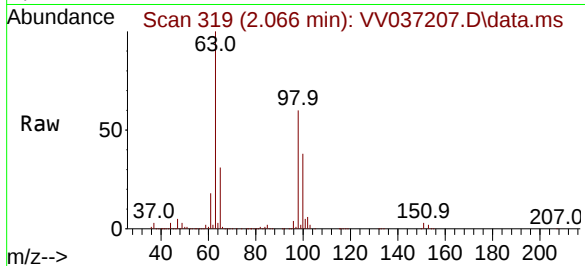
Tgt Ion:	101	Resp:	10440
Ion Ratio	Lower	Upper	
101	100		
85	36.3	34.7	52.1
151	57.0	54.3	81.5

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#12

1,1-Dichloroethene

Concen: 1.286 ug/L

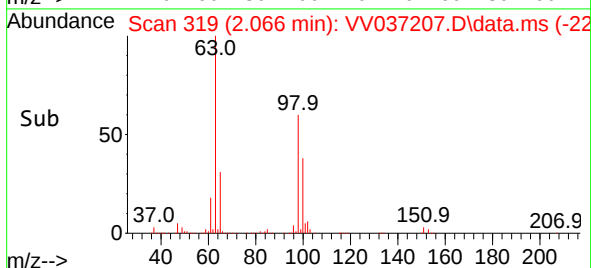
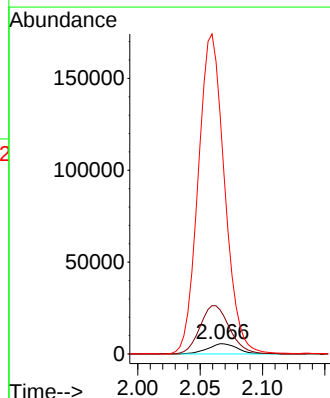
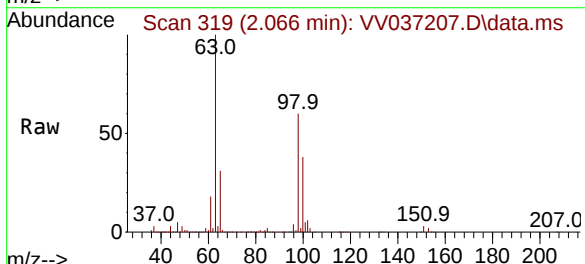
RT: 2.066 min Scan# 319

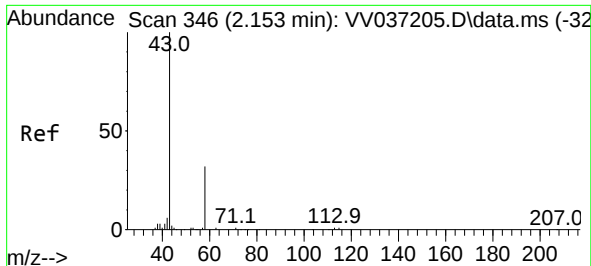
Delta R.T. -0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion:	96	Resp:	9321
Ion Ratio	Lower	Upper	
96	100		
61	433.5	126.8	235.6#
63	2356.5	110.4	205.0#





#13

Acetone

Concen: 3.450 ug/L m

RT: 2.153 min Scan# 346

Delta R.T. -0.000 min

Lab File: VV037207.D

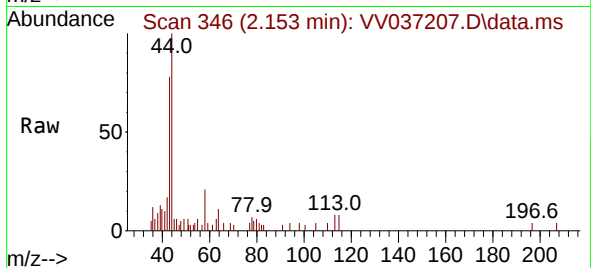
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Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-06

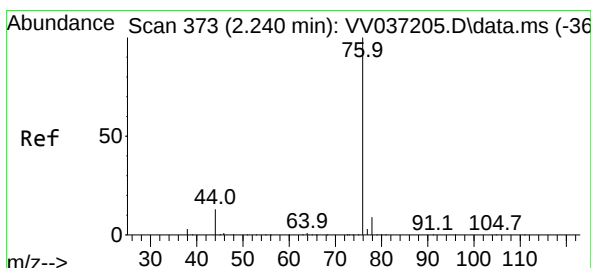
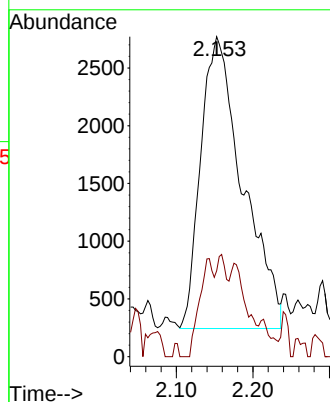
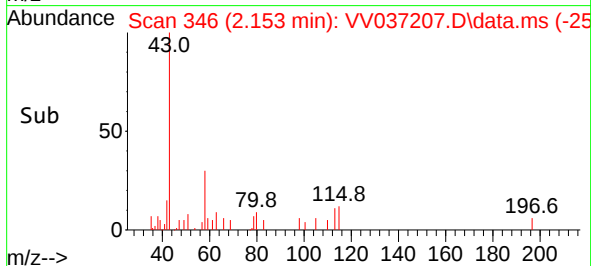


Tgt Ion: 43 Resp: 9640
 Ion Ratio Lower Upper
 43 100
 58 9.2 0.0 22.2

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#14

Carbon disulfide

Concen: 1.010 ug/L

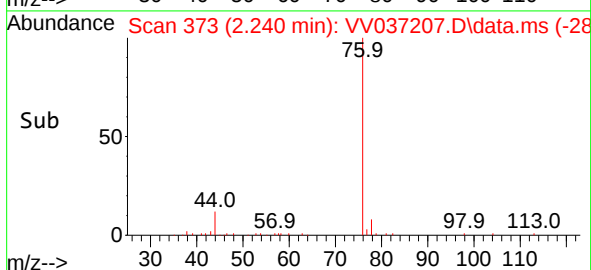
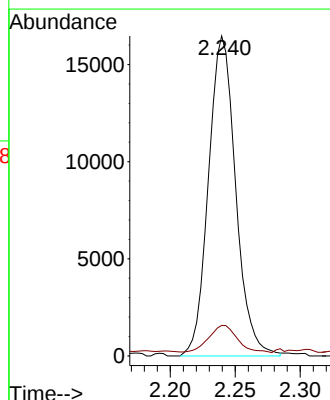
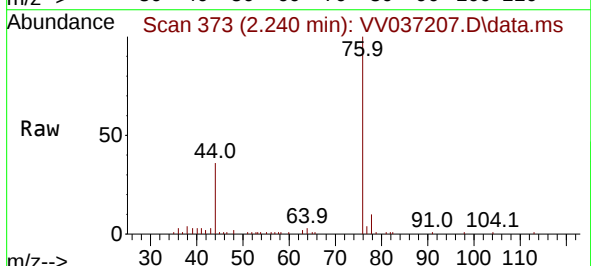
RT: 2.240 min Scan# 373

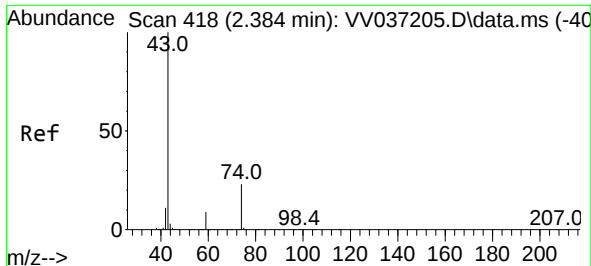
Delta R.T. -0.000 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

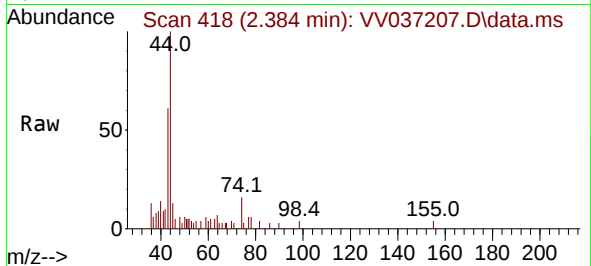
Tgt Ion: 76 Resp: 24039
 Ion Ratio Lower Upper
 76 100
 78 9.6 7.2 10.8





#15
Methyl Acetate
Concen: 1.041 ug/L
RT: 2.384 min Scan# 411
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

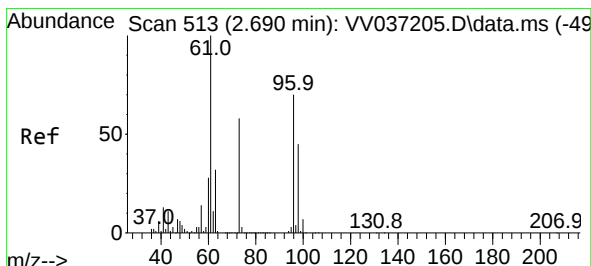
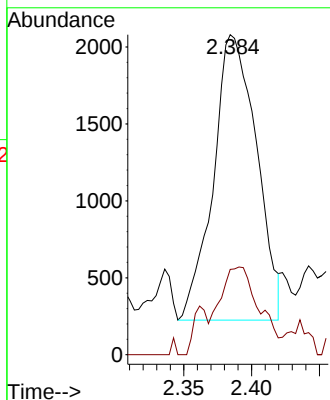
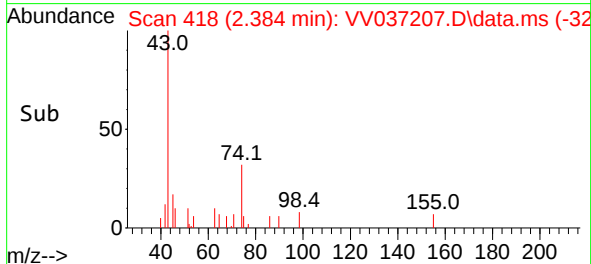
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



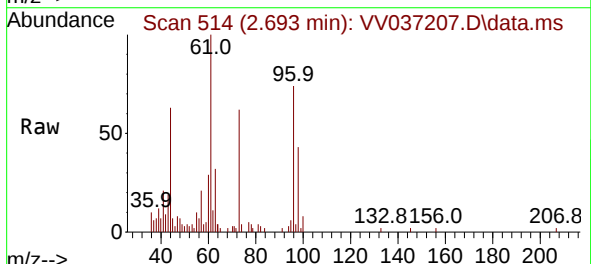
Tgt Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.4

Manual Integrations
APPROVED

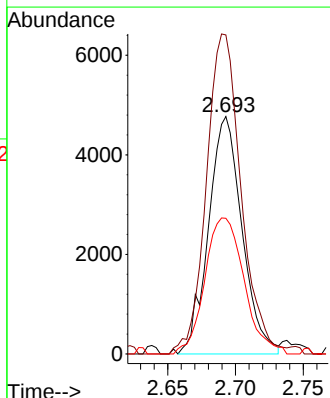
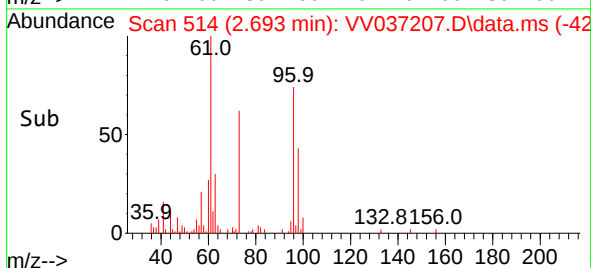
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

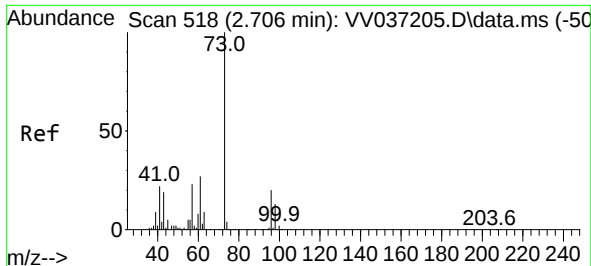


#17
trans-1,2-Dichloroethene
Concen: 1.040 ug/L
RT: 2.693 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



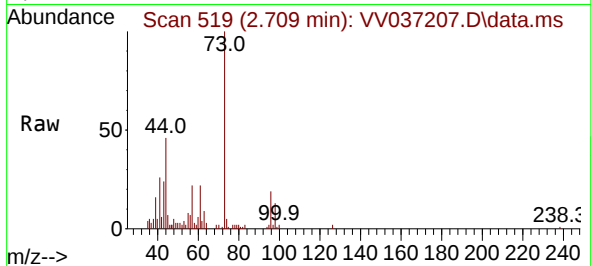
Tgt Ion: 96 Resp: 8223
Ion Ratio Lower Upper
96 100
61 134.4 99.7 185.1
98 57.1 46.4 86.2





#18
Methyl tert-butyl Ether
Concen: 0.992 ug/L
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

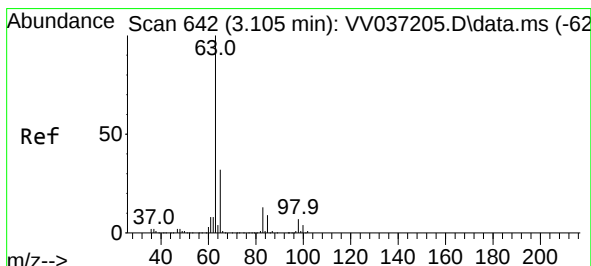
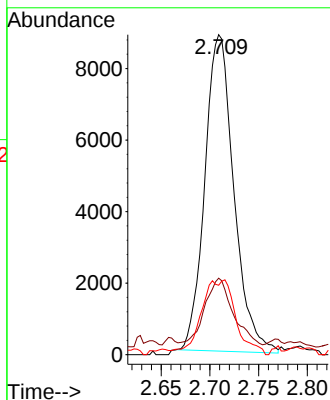
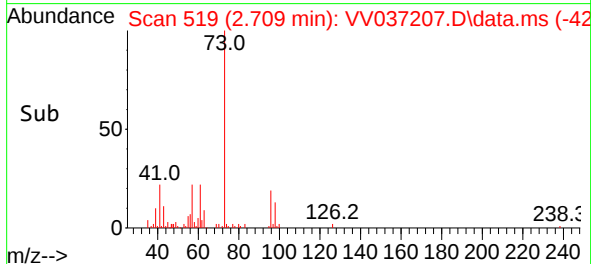
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 73 Resp: 1837
Ion Ratio Lower Upper
73 100
43 20.3 15.7 23.5
57 12.8 18.3 27.5

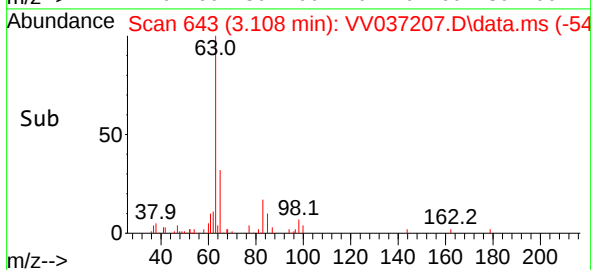
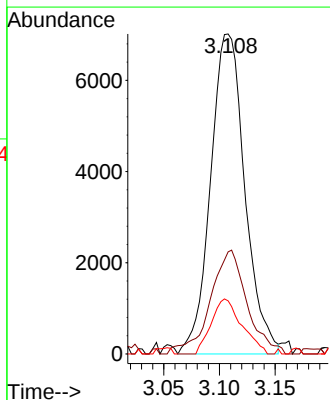
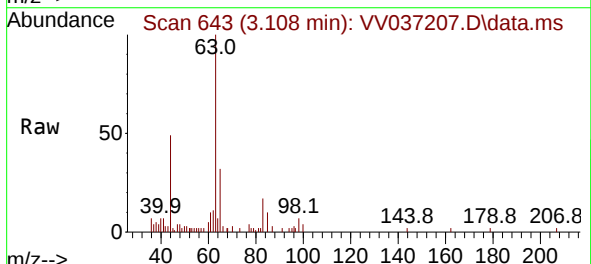
Manual Integrations
APPROVED

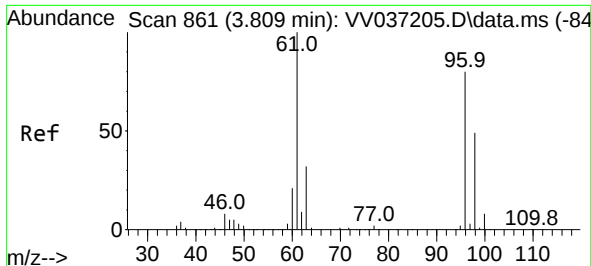
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#19
1,1-Dichloroethane
Concen: 0.994 ug/L
RT: 3.108 min Scan# 643
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

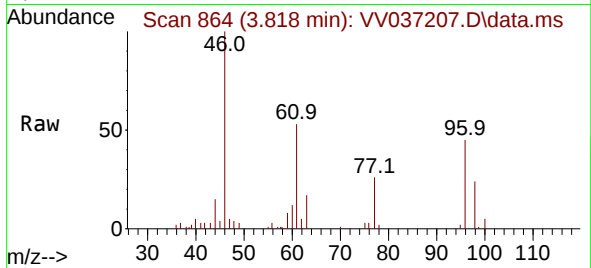
Tgt Ion: 63 Resp: 15051
Ion Ratio Lower Upper
63 100
65 31.9 22.4 41.6
83 16.6 9.3 17.3





#20
cis-1,2-Dichloroethene
Concen: 1.018 ug/L
RT: 3.818 min Scan# 801
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

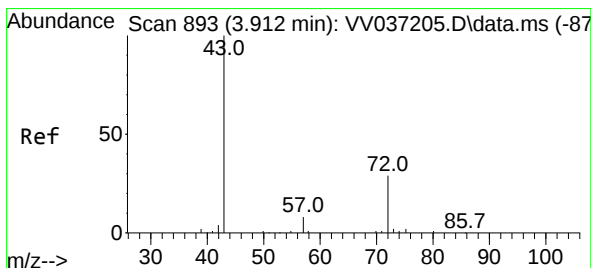
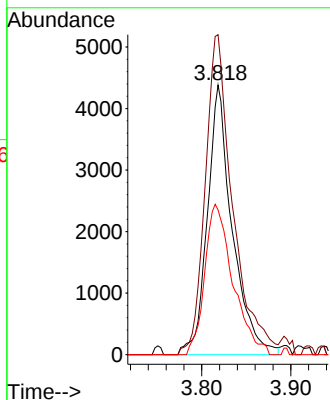
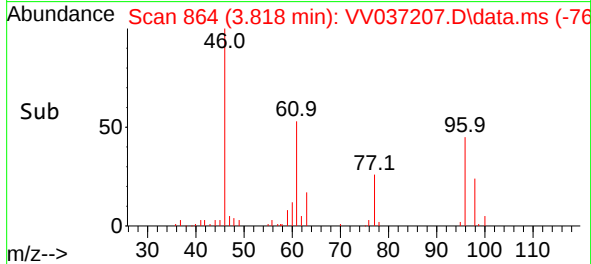
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion: 96 Resp: 8500
Ion Ratio Lower Upper
96 100
61 118.7 87.6 162.6
98 56.2 44.0 81.6

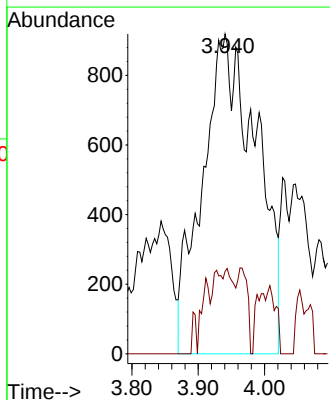
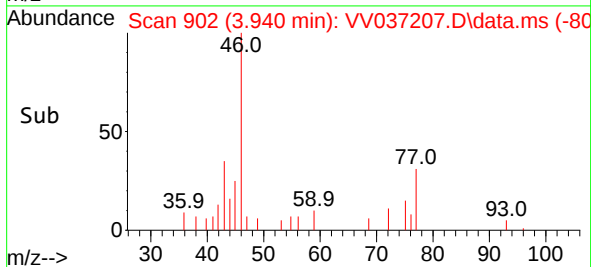
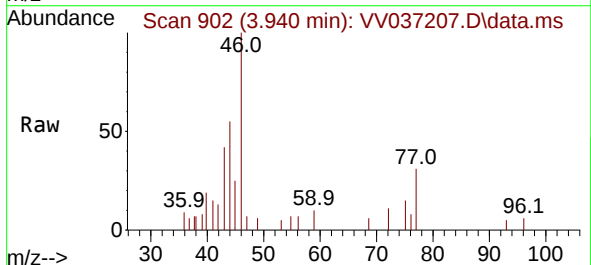
Manual Integrations
APPROVED

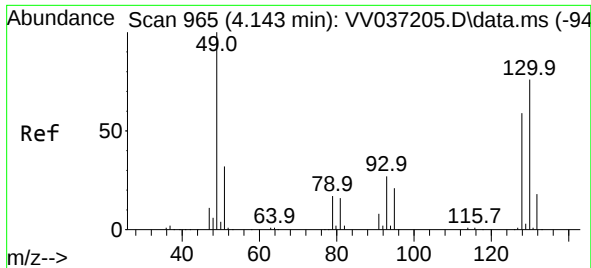
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#22
2-Butanone
Concen: 2.009 ug/L m
RT: 3.940 min Scan# 902
Delta R.T. 0.029 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

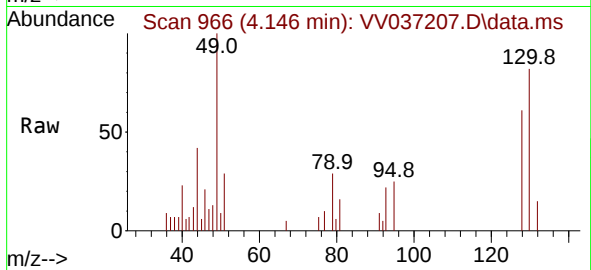
Tgt Ion: 43 Resp: 5258
Ion Ratio Lower Upper
43 100
72 1.8 10.2 30.6#





#23
Bromochloromethane
Concen: 0.987 ug/L m
RT: 4.146 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

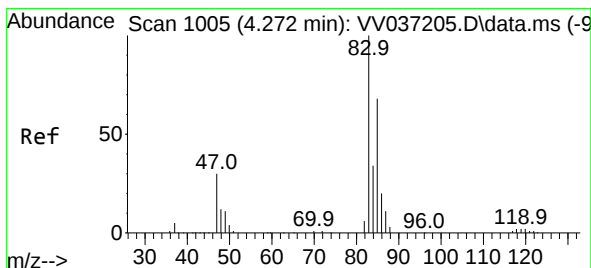
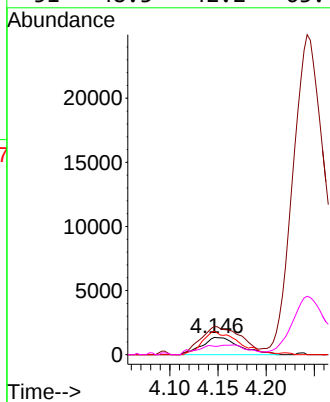
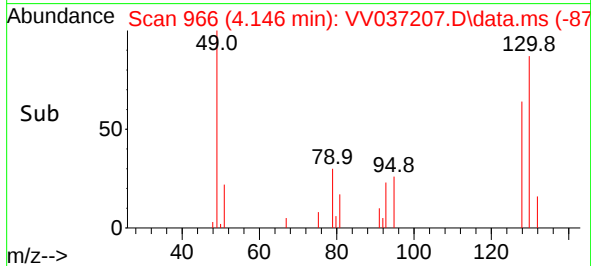
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



Tgt Ion:128 Resp: 367
Ion Ratio Lower Upper
128 100
49 164.8 117.8 218.8
130 135.9 88.4 164.2
51 48.3 42.2 63.4

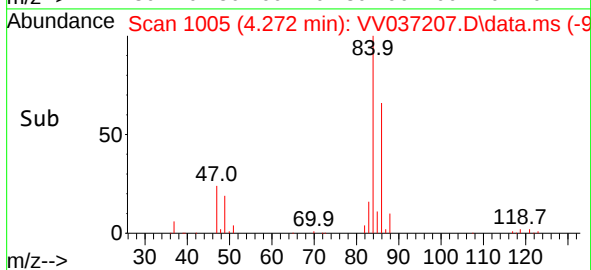
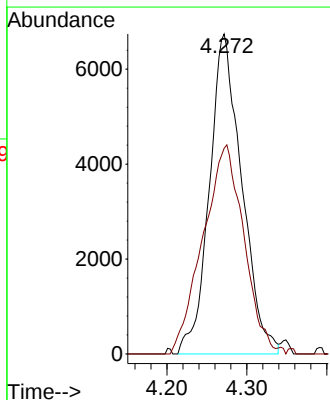
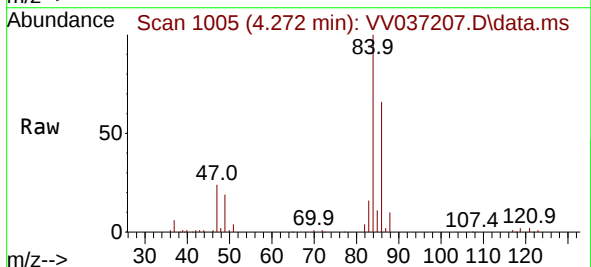
Manual Integrations
APPROVED

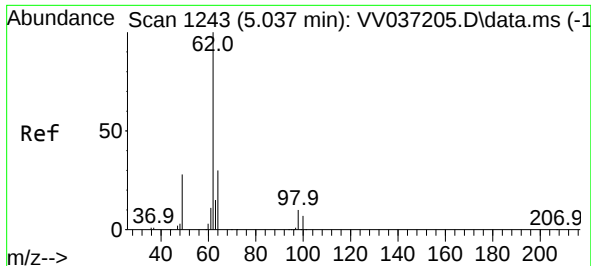
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#25
Chloroform
Concen: 1.290 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 83 Resp: 18966
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.3





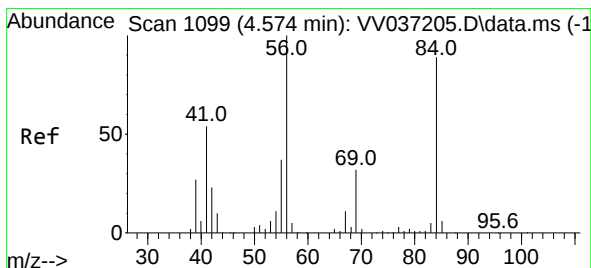
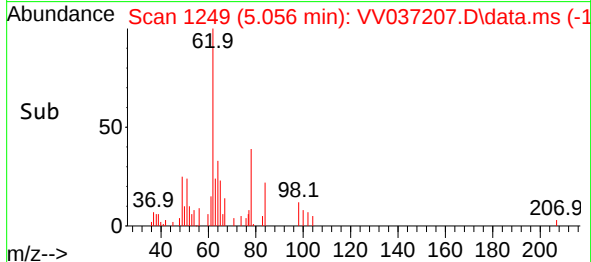
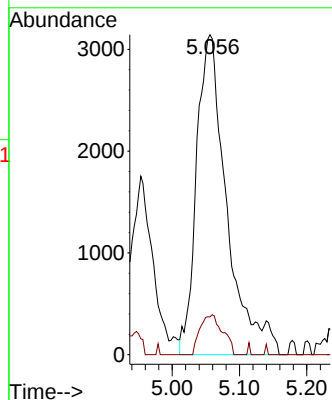
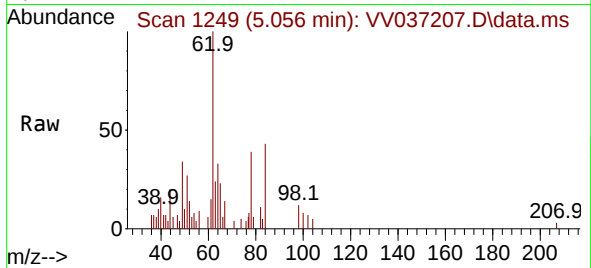
#27
1,2-Dichloroethane
Concen: 1.054 ug/L m
RT: 5.056 min Scan# 1098
Delta R.T. 0.019 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 62 Resp: 9814
Ion Ratio Lower Upper
62 100
98 11.8 8.3 12.5

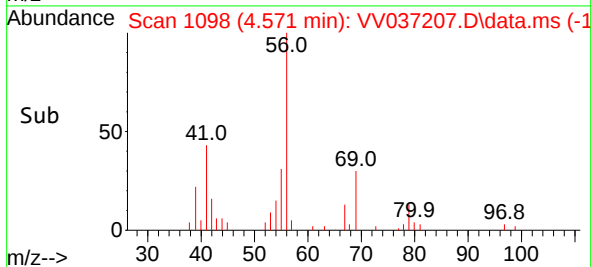
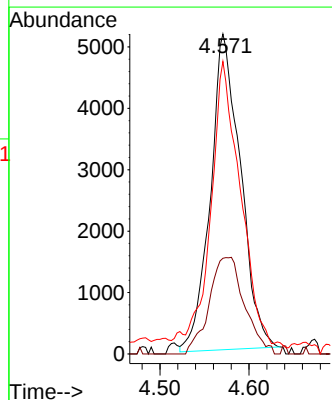
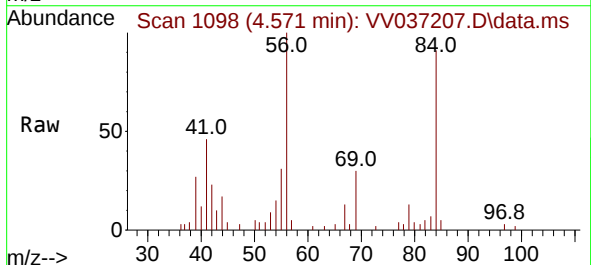
Manual Integrations
APPROVED

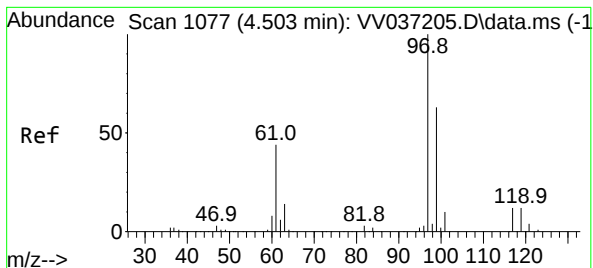
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#29
Cyclohexane
Concen: 0.961 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. -0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

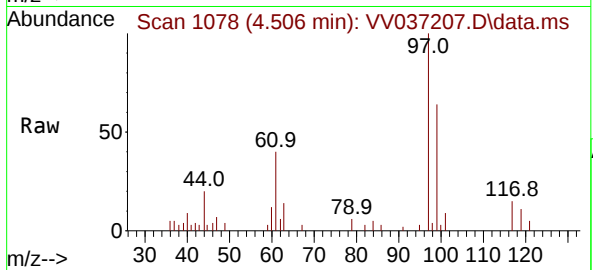
Tgt Ion: 56 Resp: 12097
Ion Ratio Lower Upper
56 100
69 35.4 24.3 36.5
84 85.6 71.1 106.7





#30
1,1,1-Trichloroethane
Concen: 0.993 ug/L
RT: 4.506 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

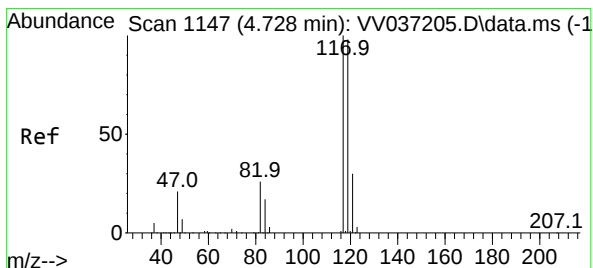
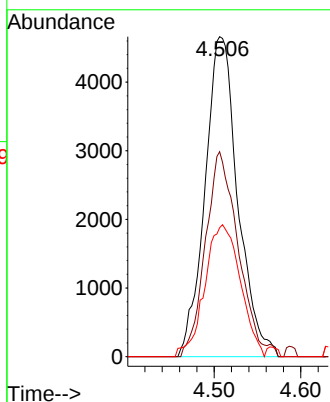
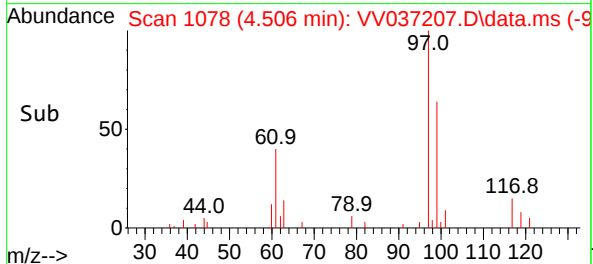
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



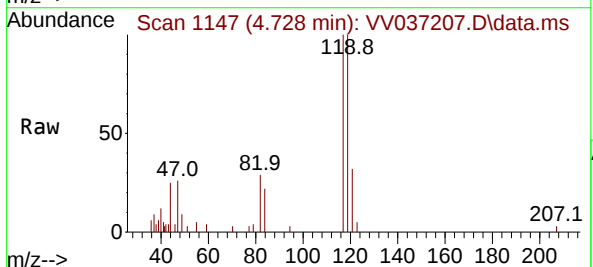
Tgt Ion: 97 Resp: 12305
Ion Ratio Lower Upper
97 100
99 63.2 51.5 77.3
61 44.2 35.4 53.2

Manual Integrations
APPROVED

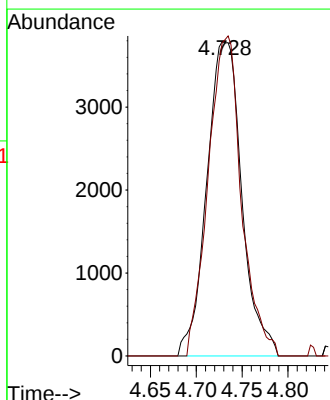
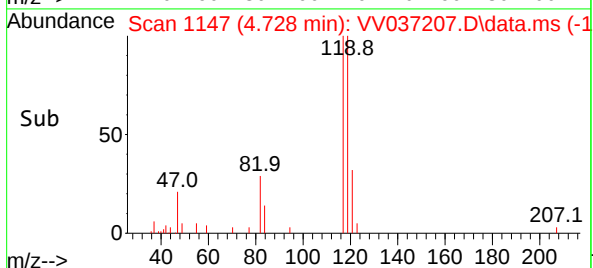
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

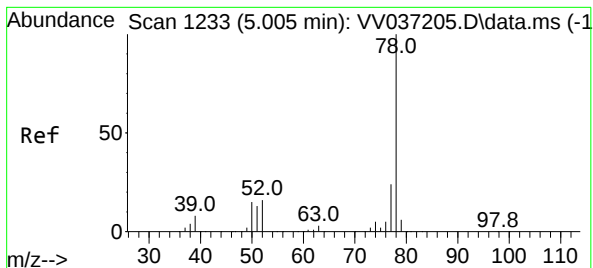


#31
Carbon tetrachloride
Concen: 0.960 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



Tgt Ion:117 Resp: 10061
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4





#33

Benzene

Concen: 1.008 ug/L

RT: 5.011 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

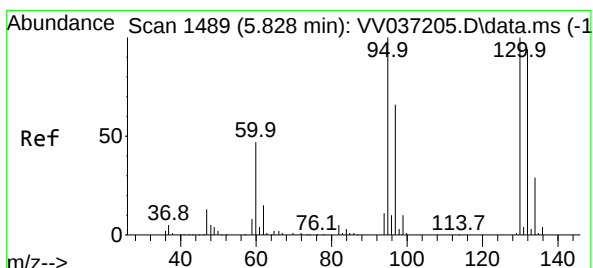
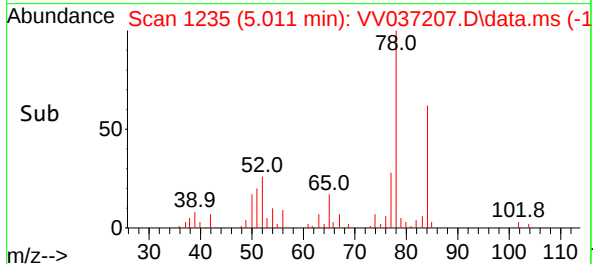
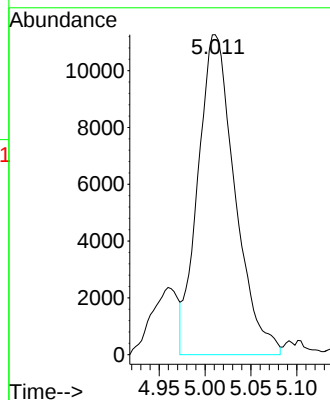
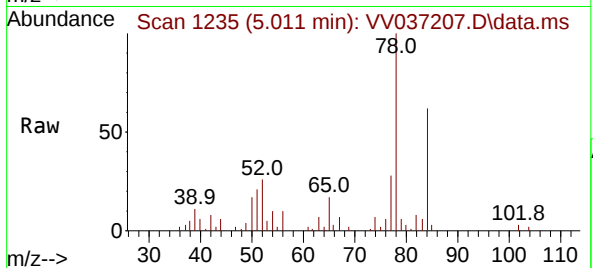
ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 78 Resp: 31574

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#34

Trichloroethene

Concen: 1.078 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 95 Resp: 9185

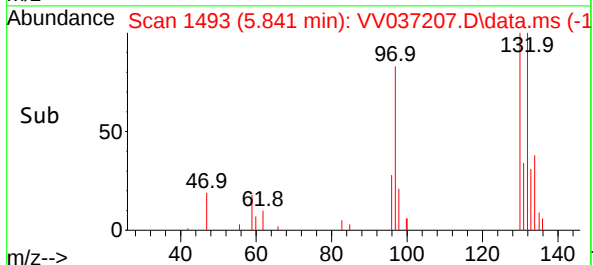
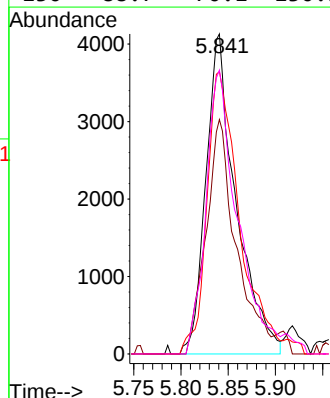
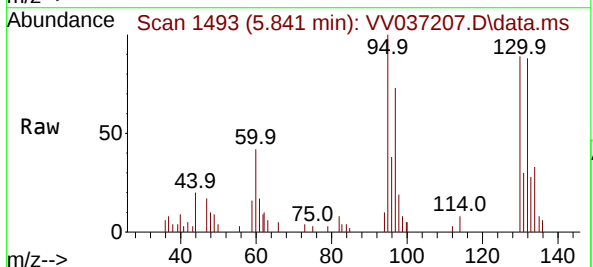
Ion Ratio Lower Upper

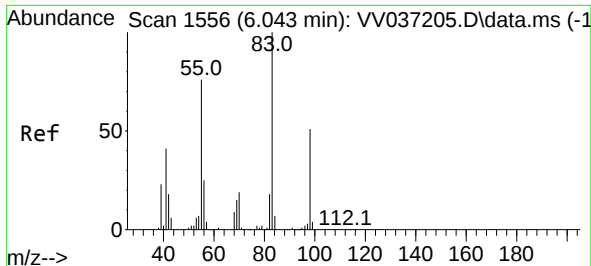
95 100

97 73.3 44.0 81.6

132 88.3 64.3 119.5

130 88.7 70.1 130.3





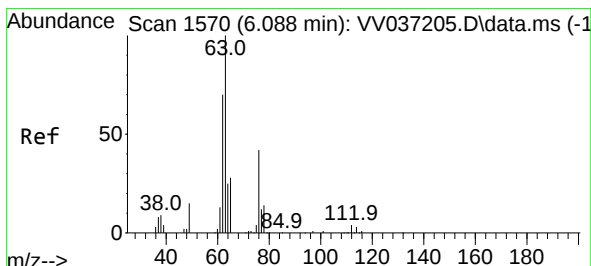
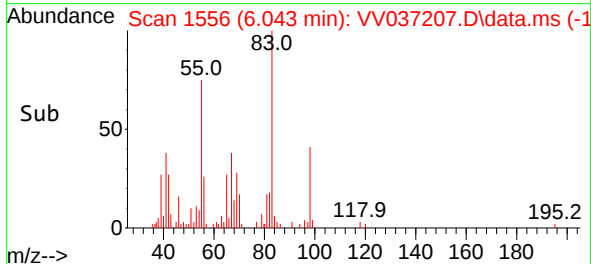
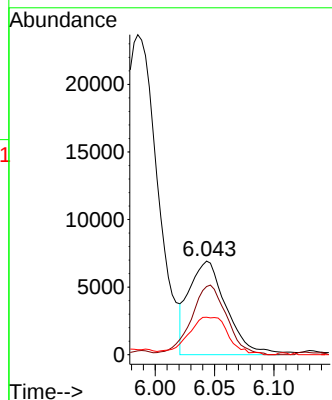
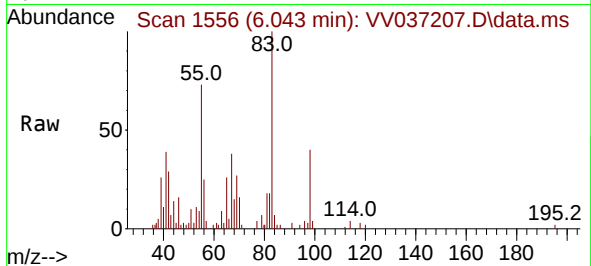
#35
Methylcyclohexane
Concen: 1.084 ug/L m
RT: 6.043 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 83 Resp: 15062
Ion Ratio Lower Upper
83 100
55 70.9 61.6 92.4
98 21.3 38.5 57.7

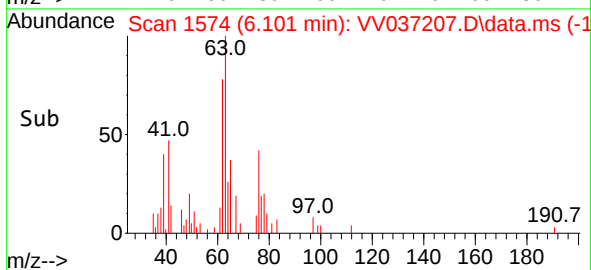
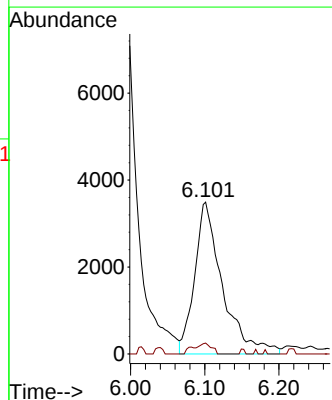
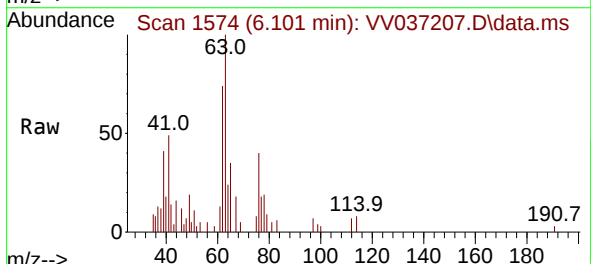
Manual Integrations
APPROVED

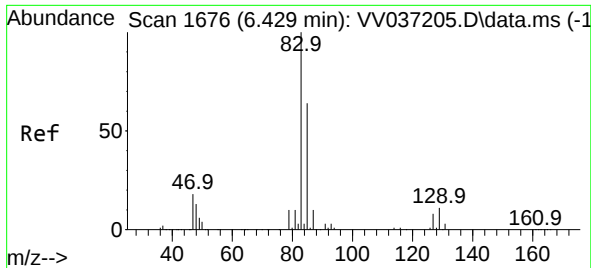
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#37
1,2-Dichloropropane
Concen: 1.108 ug/L m
RT: 6.101 min Scan# 1574
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 63 Resp: 9083
Ion Ratio Lower Upper
63 100
112 1.6 3.8 5.6





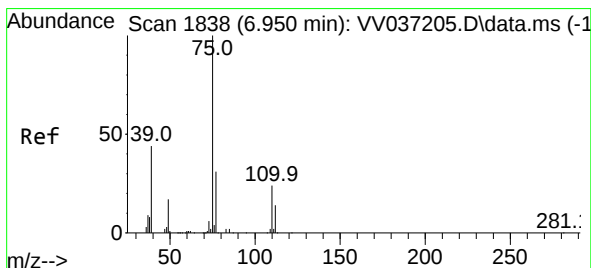
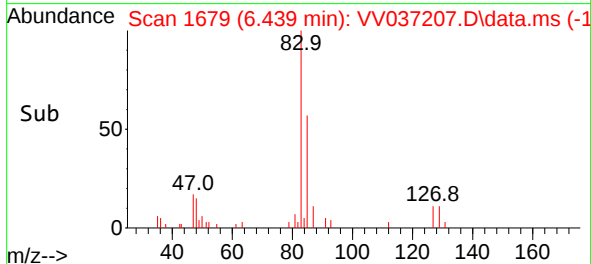
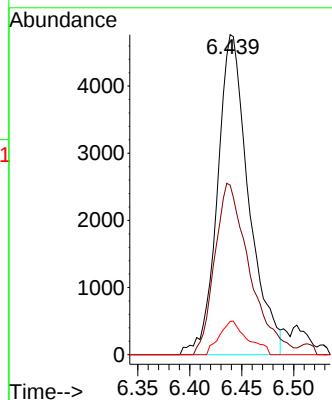
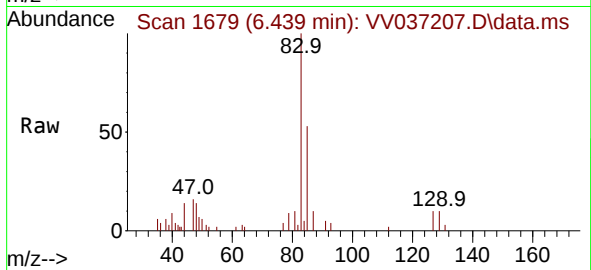
#38
Bromodichloromethane
Concen: 0.983 ug/L
RT: 6.439 min Scan# 1000
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion: 83 Resp: 1000
Ion Ratio Lower Upper
83 100
85 53.0 45.9 85.3
127 10.4 6.5 9.7

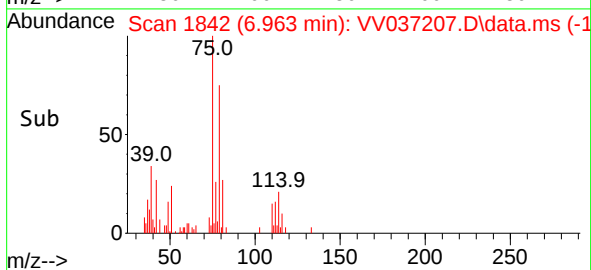
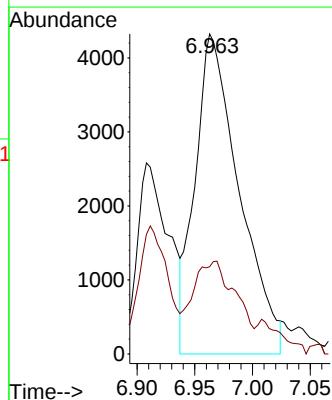
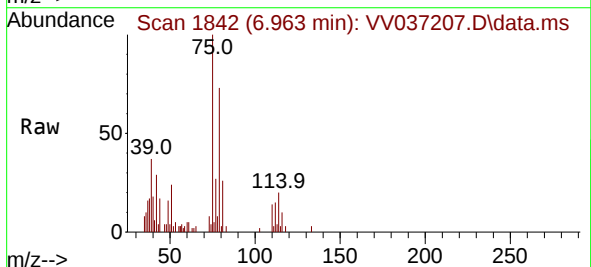
Manual Integrations
APPROVED

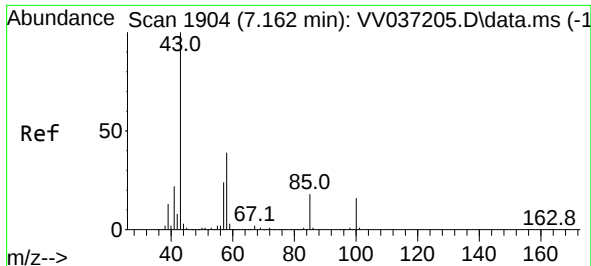
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#39
cis-1,3-Dichloropropene
Concen: 0.924 ug/L
RT: 6.963 min Scan# 1842
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion: 75 Resp: 11488
Ion Ratio Lower Upper
75 100
77 27.2 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 2.483 ug/L m

RT: 7.181 min Scan# 1904

Delta R.T. 0.019 min

Lab File: VV037207.D

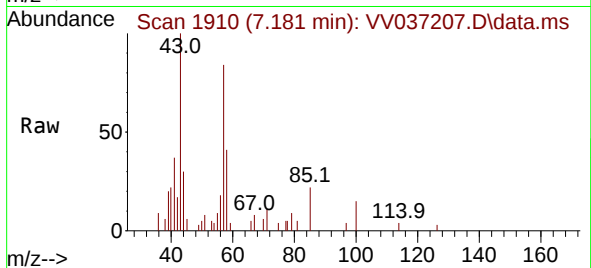
Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-06



Tgt Ion: 43 Resp: 11279

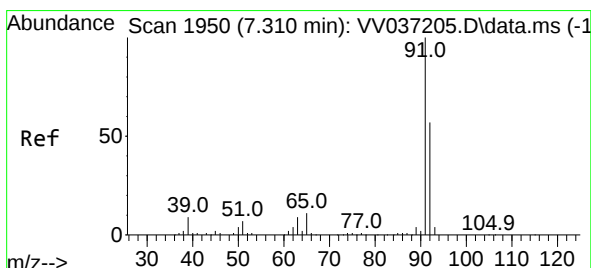
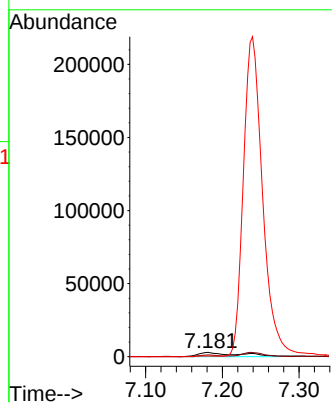
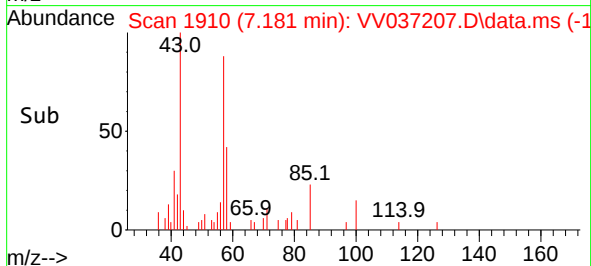
Ion	Ratio	Lower	Upper
43	100		
58	15.0	30.3	45.5
100	3.1	11.6	17.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2024

Supervised By :Mahesh Dadoda 09/06/2024



#42

Toluene

Concen: 0.969 ug/L

RT: 7.323 min Scan# 1954

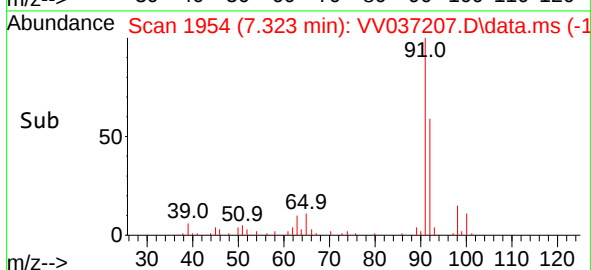
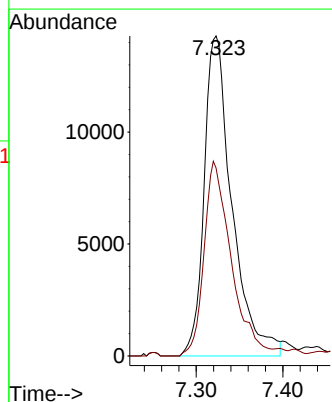
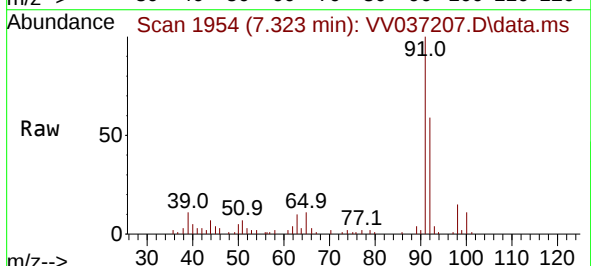
Delta R.T. 0.013 min

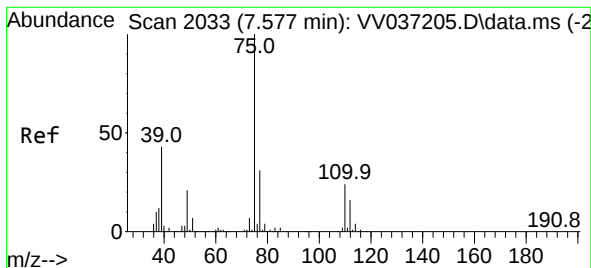
Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 91 Resp: 31933

Ion	Ratio	Lower	Upper
91	100		
92	58.7	39.7	73.7





#44

trans-1,3-Dichloropropene

Concen: 1.052 ug/L m

RT: 7.596 min Scan# 2039

Delta R.T. 0.019 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion: 75 Resp: 1058

Ion Ratio Lower Upper

75 100

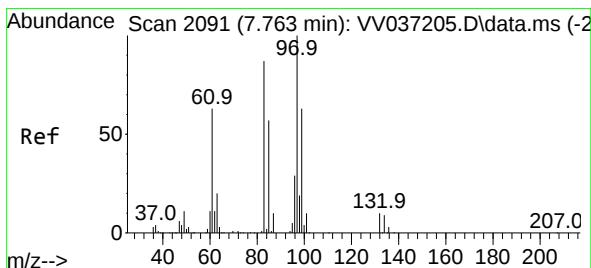
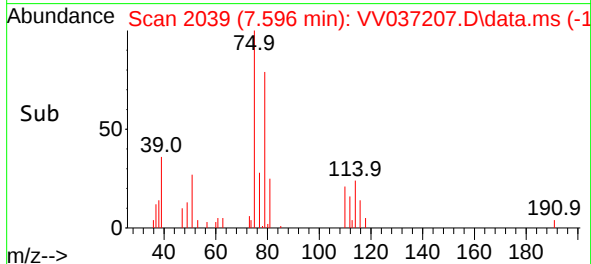
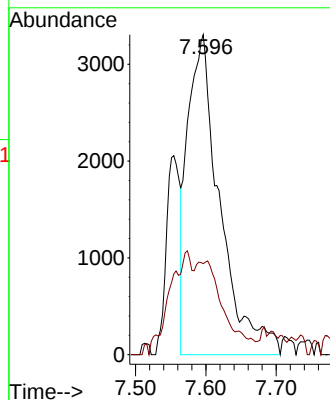
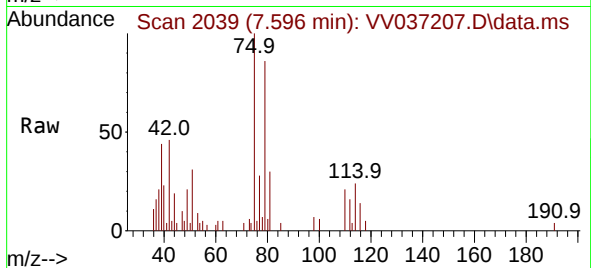
77 28.5 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024

Supervised By :Mahesh Dadoda 09/06/2024



#45

1,1,2-Trichloroethane

Concen: 1.089 ug/L m

RT: 7.776 min Scan# 2095

Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion: 97 Resp: 6666

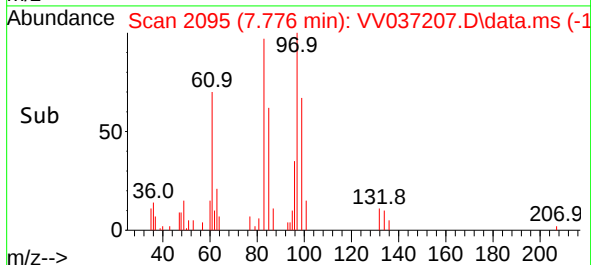
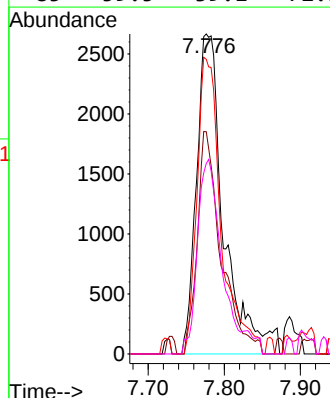
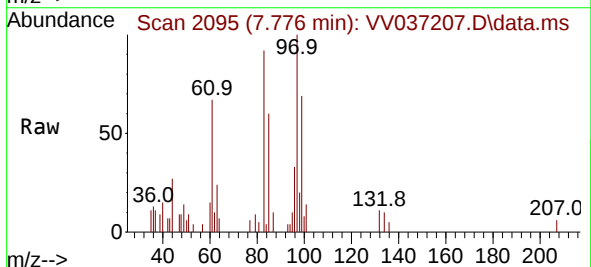
Ion Ratio Lower Upper

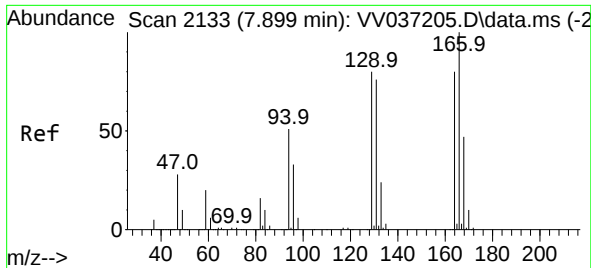
97 100

99 69.4 43.2 80.2

83 92.0 60.0 111.4

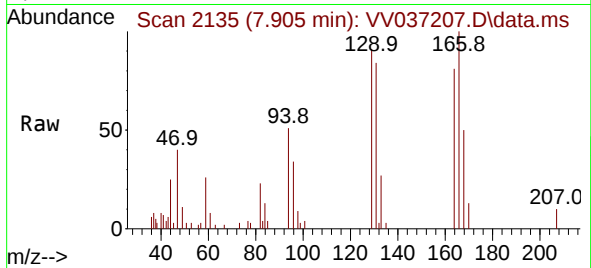
85 59.5 39.1 72.5





#46
Tetrachloroethene
Concen: 1.035 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

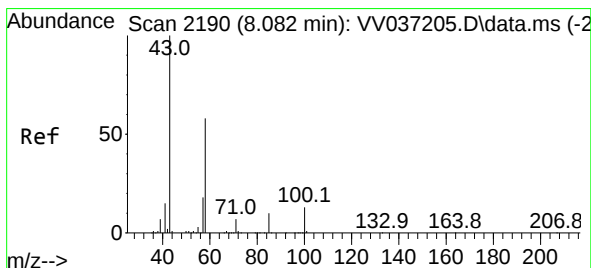
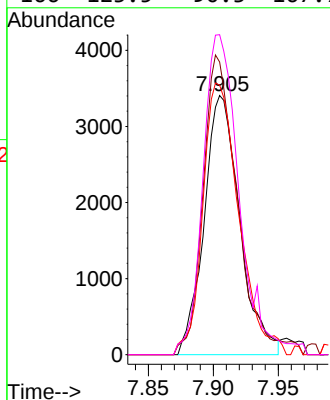
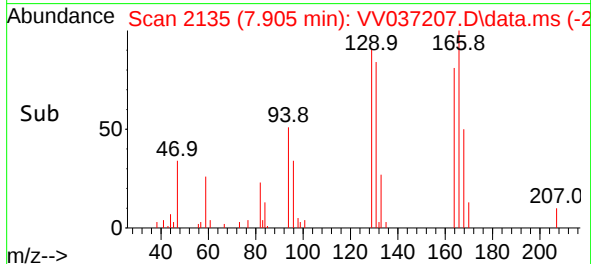
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



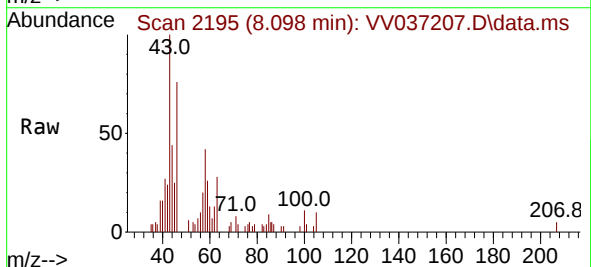
Tgt Ion:	164	Resp:	6480
Ion	Ratio	Lower	Upper
164	100		
129	112.9	70.0	130.0
131	104.0	68.0	126.2
166	123.5	90.3	167.7

Manual Integrations
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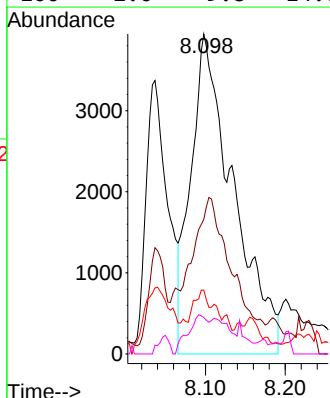
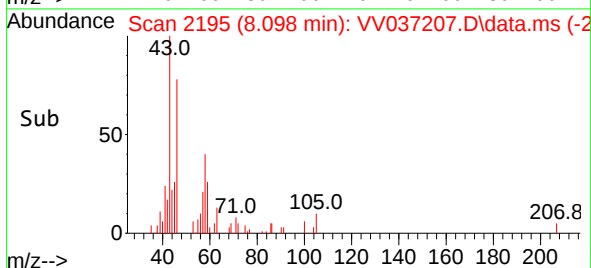
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

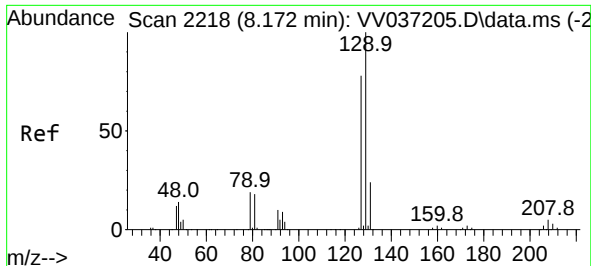


#48
2-Hexanone
Concen: 3.846 ug/L m
RT: 8.098 min Scan# 2195
Delta R.T. 0.016 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



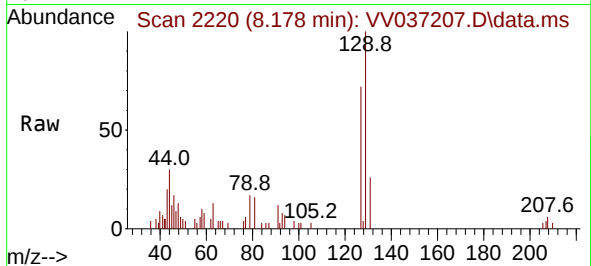
Tgt Ion:	43	Resp:	14562
Ion	Ratio	Lower	Upper
43	100		
58	20.7	42.9	64.3#
57	1.1	14.6	21.8#
100	2.0	9.8	14.6#





#49
Dibromochloromethane
Concen: 0.986 ug/L
RT: 8.178 min Scan# 2218
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

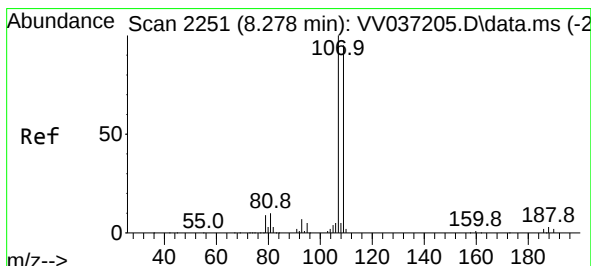
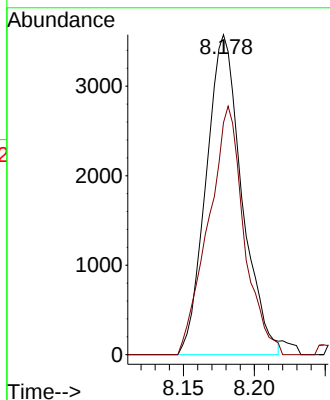
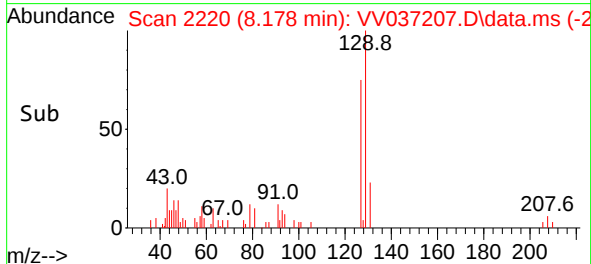
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



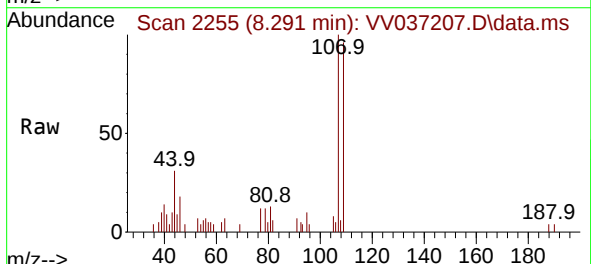
Tgt Ion:129 Resp: 627
Ion Ratio Lower Upper
129 100
127 72.5 56.0 104.0

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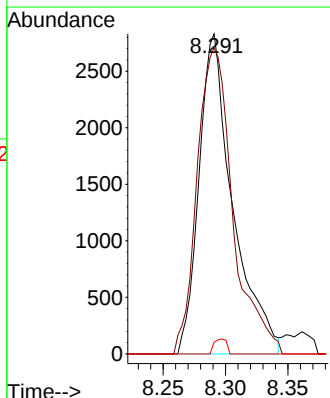
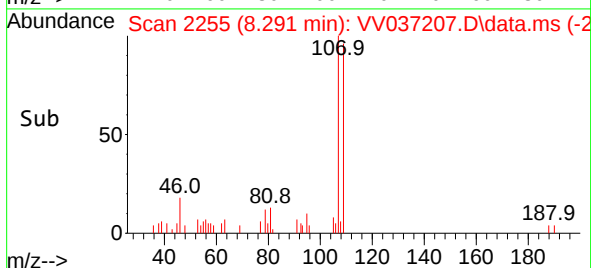
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

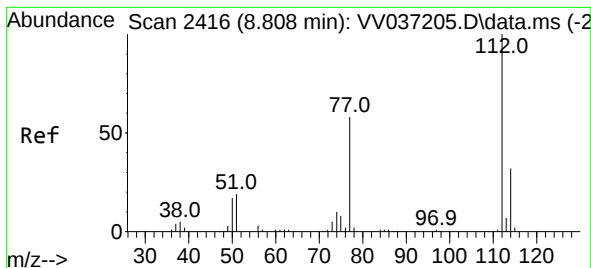


#50
1,2-Dibromoethane
Concen: 0.912 ug/L
RT: 8.291 min Scan# 2255
Delta R.T. 0.013 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



Tgt Ion:107 Resp: 5334
Ion Ratio Lower Upper
107 100
109 95.7 63.5 117.9
188 3.6 2.5 3.7





#51

Chlorobenzene

Concen: 0.975 ug/L

RT: 8.812 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

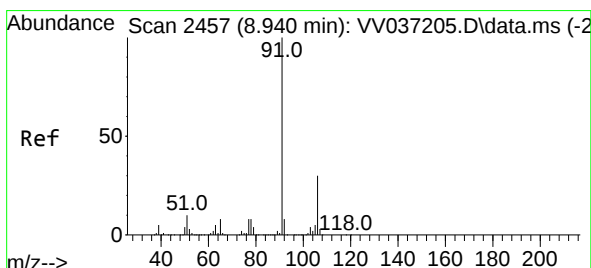
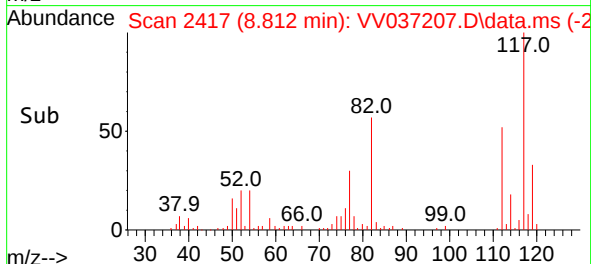
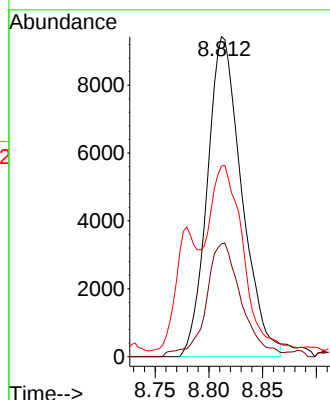
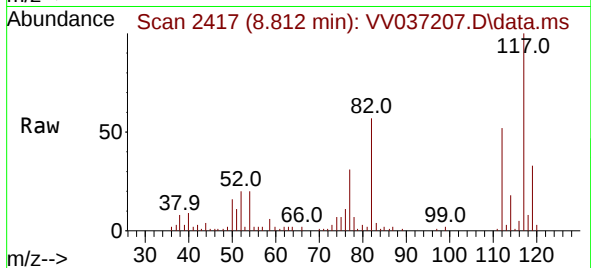
MDL-SOIL-QT3-2024-06

Tgt Ion:	112	Resp:	21034
Ion Ratio	Lower	Upper	
112	100		
114	35.3	22.4	41.6
77	59.6	47.5	71.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#52

Ethylbenzene

Concen: 0.929 ug/L

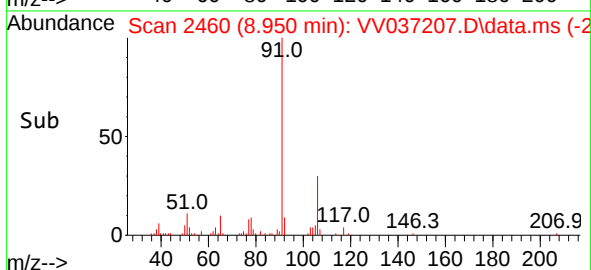
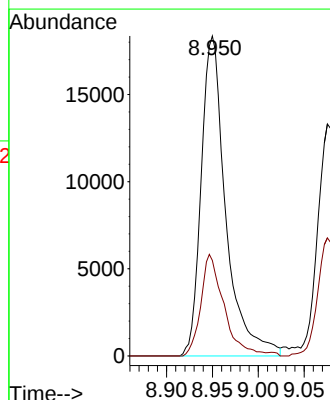
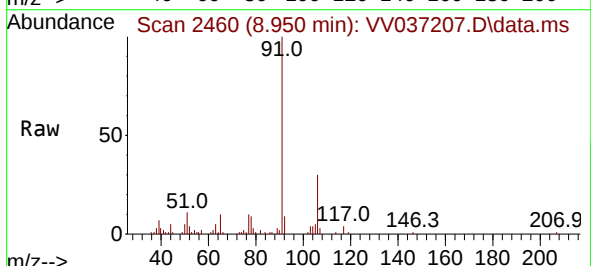
RT: 8.950 min Scan# 2460

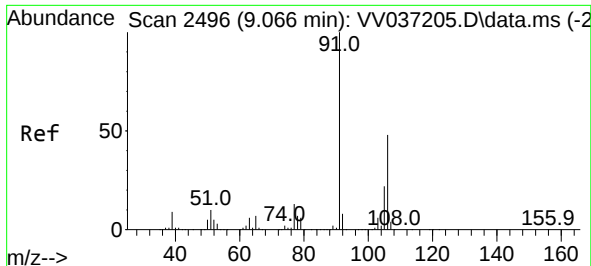
Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion:	91	Resp:	34297
Ion Ratio	Lower	Upper	
91	100		
106	29.8	21.5	39.9





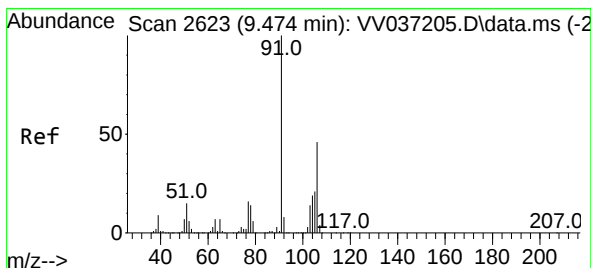
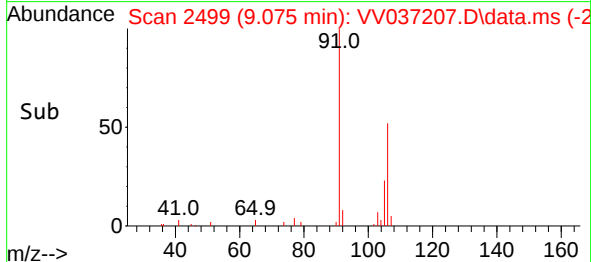
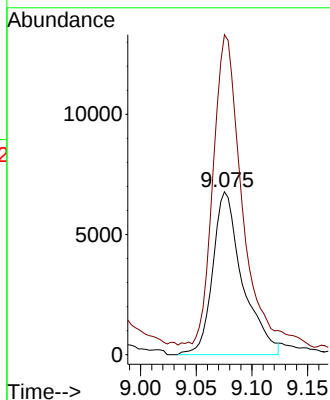
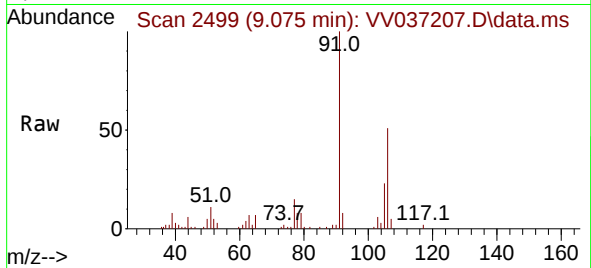
#53
m,p-Xylene
Concen: 0.920 ug/L
RT: 9.075 min Scan# 2496
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06

Tgt Ion:106 Resp: 12590
Ion Ratio Lower Upper
106 100
91 196.4 141.6 263.0

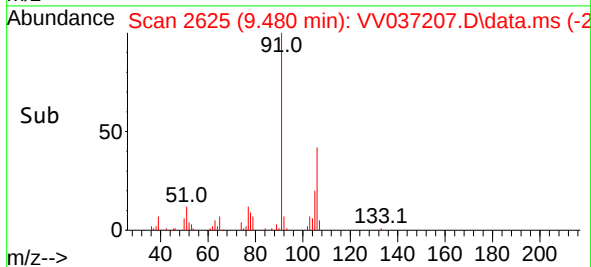
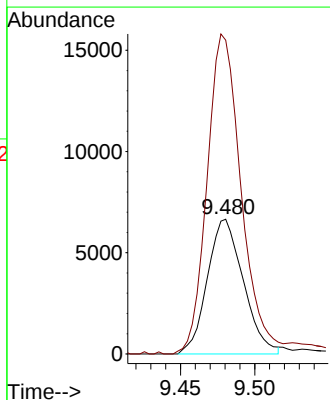
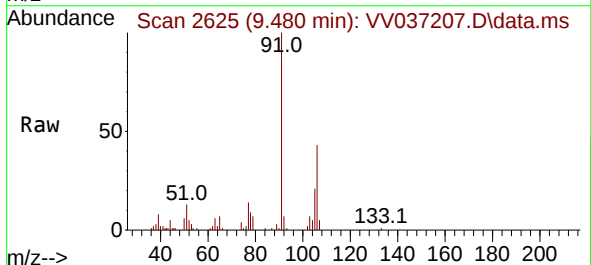
Manual Integrations
APPROVED

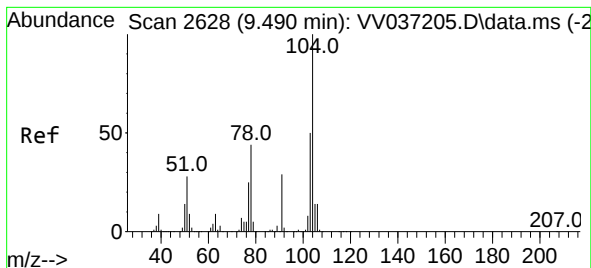
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024



#54
o-Xylene
Concen: 0.851 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

Tgt Ion:106 Resp: 11229
Ion Ratio Lower Upper
106 100
91 233.0 150.4 279.4





#55

Styrene

Concen: 0.879 ug/L m

RT: 9.503 min Scan# 2

Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-06

Tgt Ion:104 Resp: 1965

Ion Ratio Lower Upper

104 100

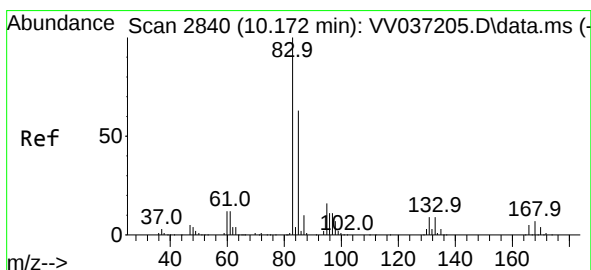
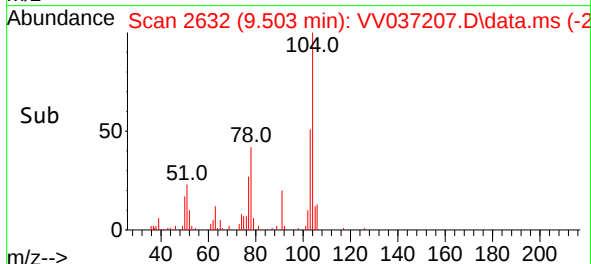
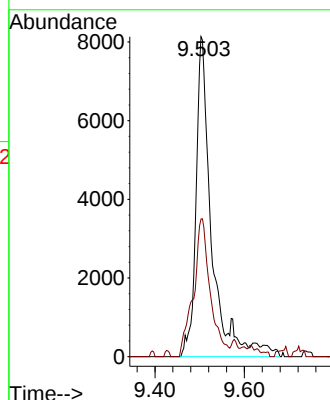
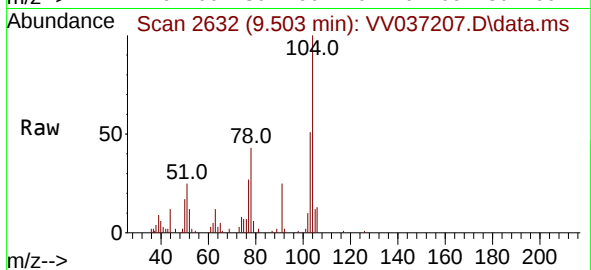
78 43.0 30.6 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024

Supervised By :Mahesh Dadoda 09/06/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 1.140 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

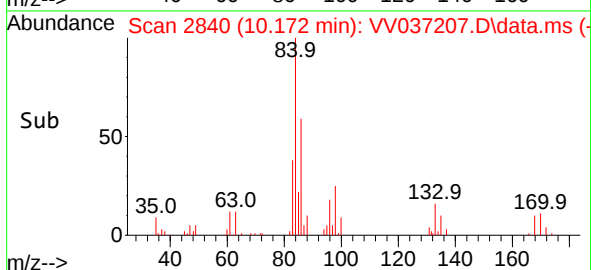
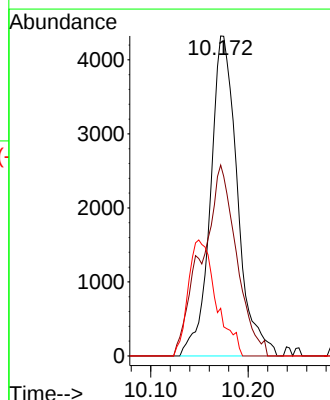
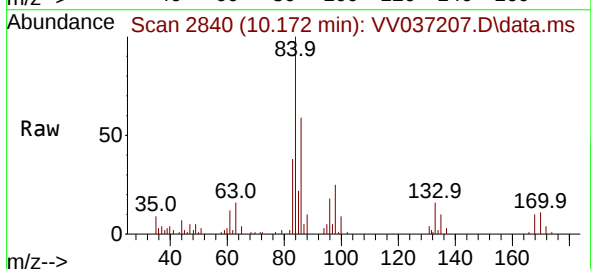
Tgt Ion: 83 Resp: 8317

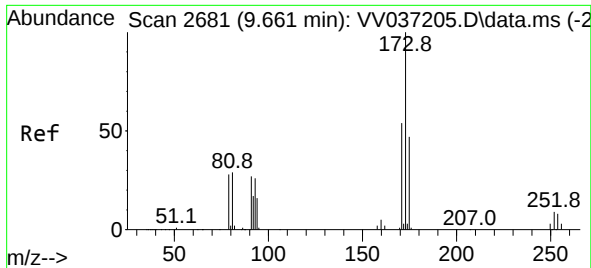
Ion Ratio Lower Upper

83 100

85 59.7 44.9 83.3

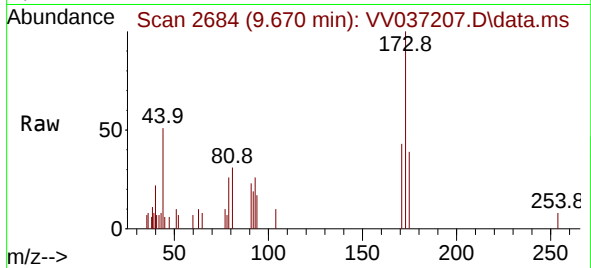
131 14.9 7.1 10.7#





#59
Bromoform
Concen: 0.973 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

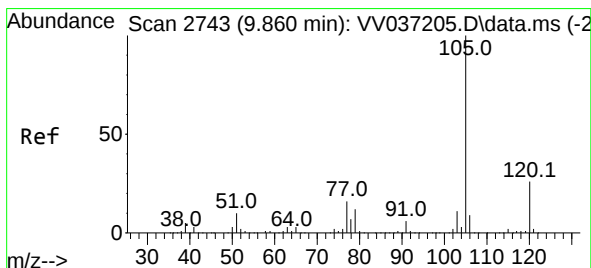
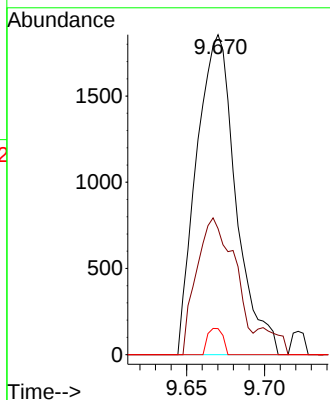
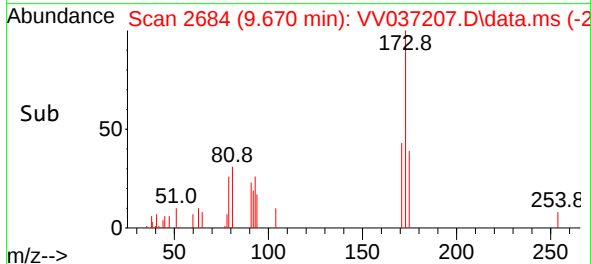
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



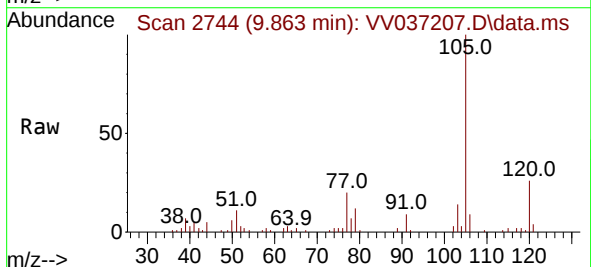
Tgt Ion:173 Resp: 325
Ion Ratio Lower Upper
173 100
175 41.8 38.6 57.8
254 3.2 6.6 9.8

Manual Integrations
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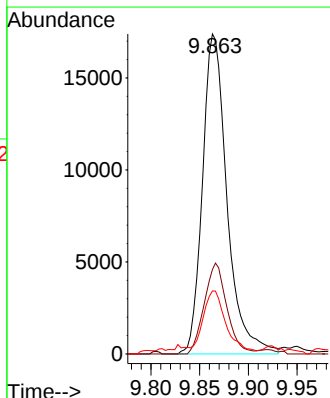
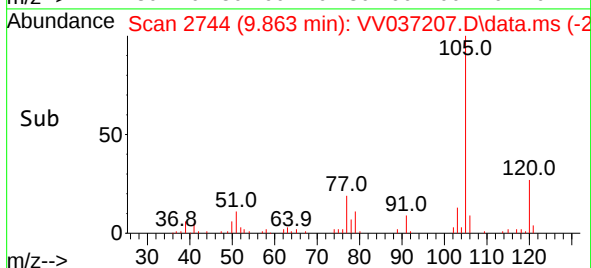
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

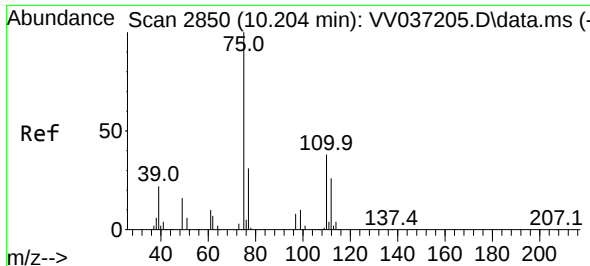


#60
Isopropylbenzene
Concen: 0.892 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



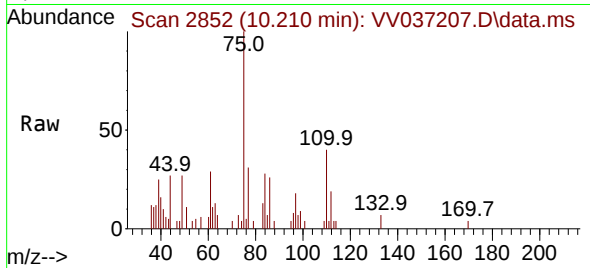
Tgt Ion:105 Resp: 30497
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0
77 17.0 12.4 18.6





#61
1,2,3-Trichloropropane
Concen: 1.055 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

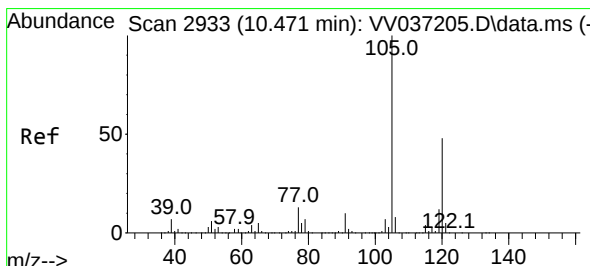
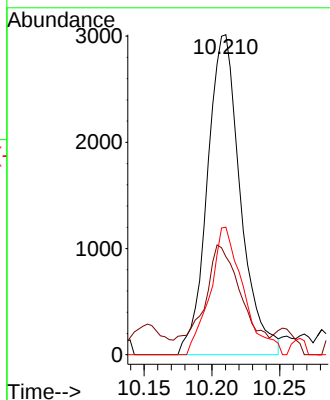
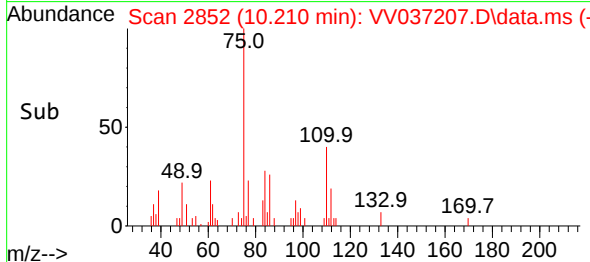
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



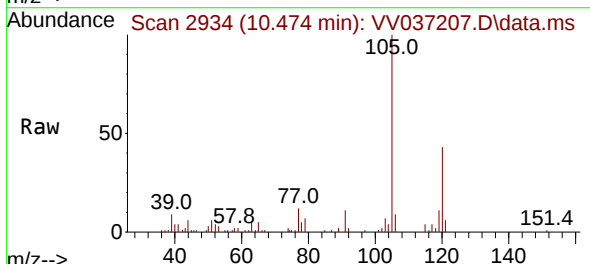
Tgt Ion: 75 Resp: 5120
Ion Ratio Lower Upper
75 100
77 34.7 24.6 36.8
110 40.0 30.8 46.2

Manual Integrations
APPROVED

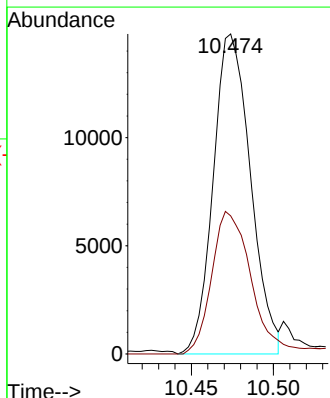
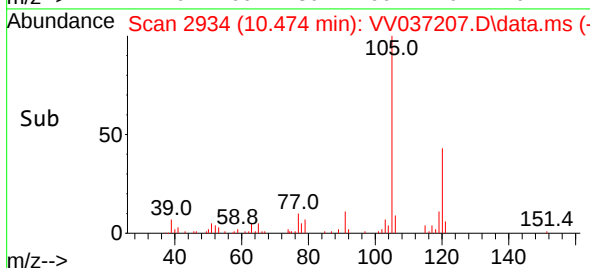
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

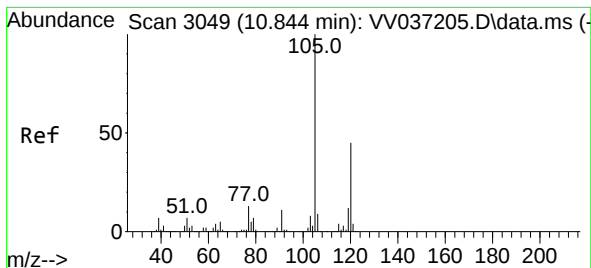


#62
1,3,5-Trimethylbenzene
Concen: 0.859 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.003 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



Tgt Ion:105 Resp: 23343
Ion Ratio Lower Upper
105 100
120 47.1 38.7 58.1





#63

1,2,4-Trimethylbenzene

Concen: 0.852 ug/L

RT: 10.850 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

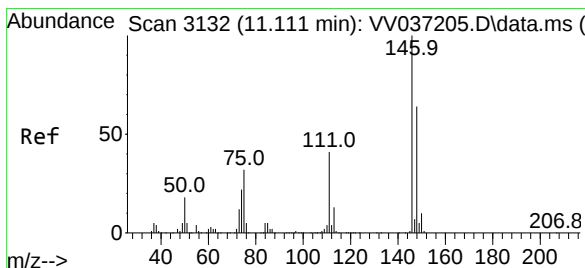
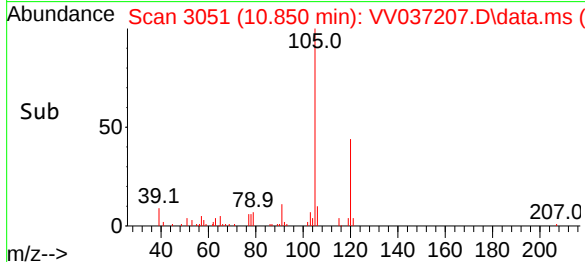
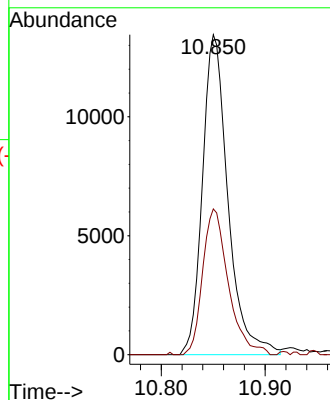
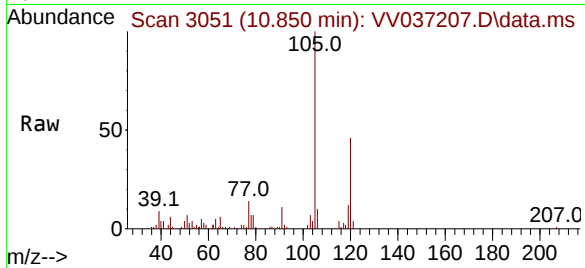
MDL-SOIL-QT3-2024-06

Tgt Ion:105 Resp: 22940
 Ion Ratio Lower Upper
 105 100
 120 45.8 35.8 53.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024



#64

1,3-Dichlorobenzene

Concen: 0.959 ug/L

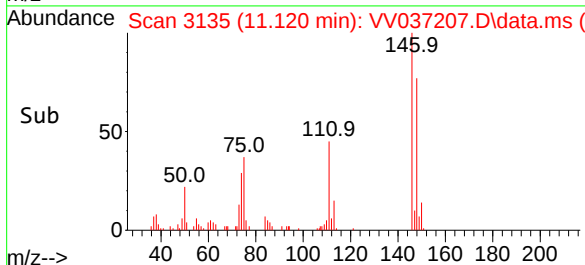
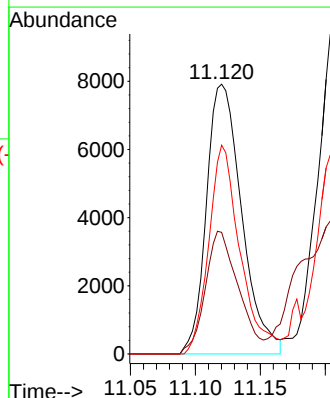
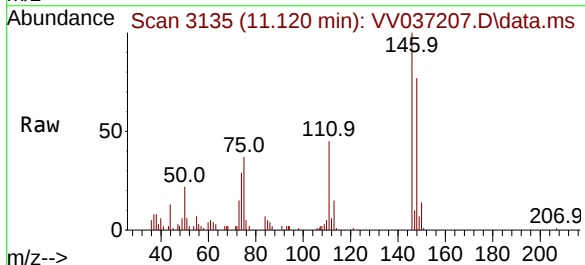
RT: 11.120 min Scan# 3135

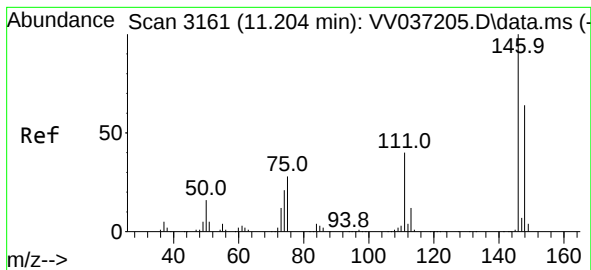
Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Tgt Ion:146 Resp: 14957
 Ion Ratio Lower Upper
 146 100
 111 45.1 29.7 55.1
 148 77.4 45.0 83.6





#65

1,4-Dichlorobenzene

Concen: 1.128 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

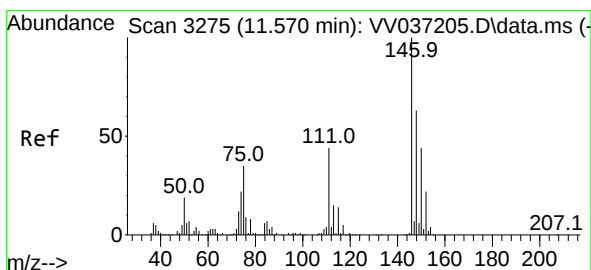
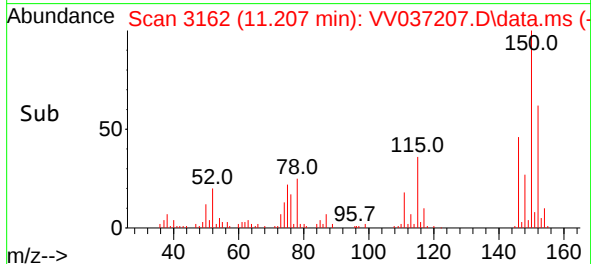
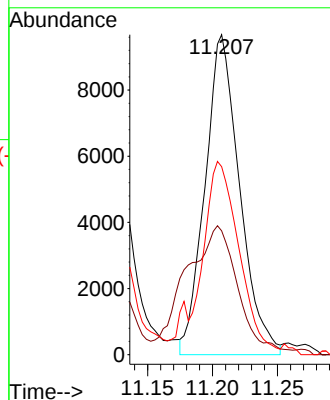
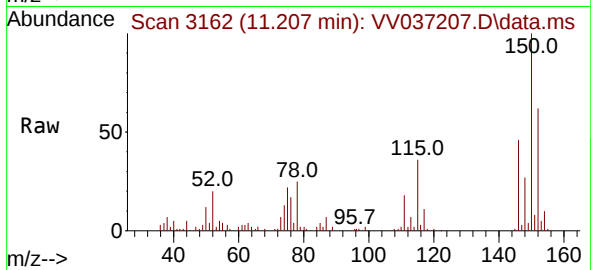
MDL-SOIL-QT3-2024-06

Tgt Ion:146 Resp: 17940
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.6 51.4
 148 58.7 43.3 80.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024



#67

1,2-Dichlorobenzene

Concen: 1.071 ug/L

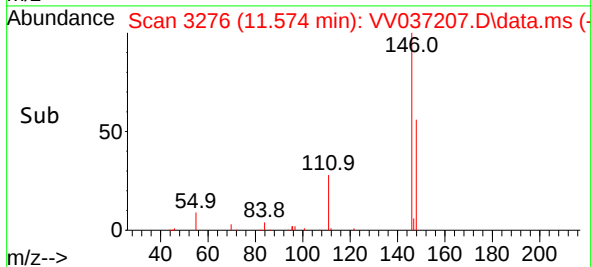
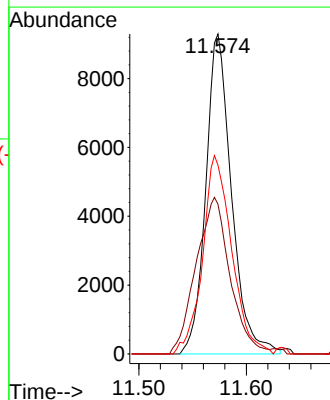
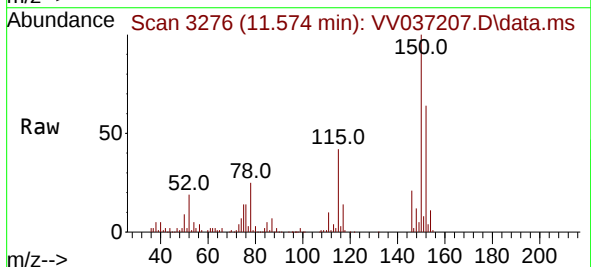
RT: 11.574 min Scan# 3276

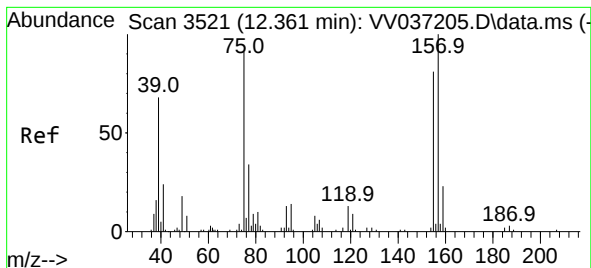
Delta R.T. 0.003 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

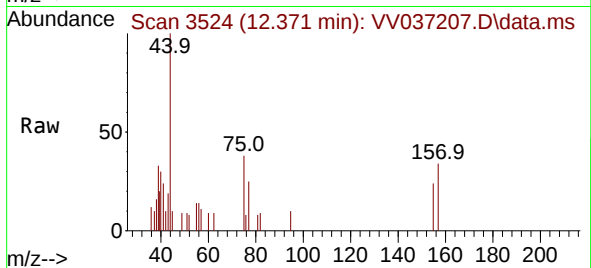
Tgt Ion:146 Resp: 15491
 Ion Ratio Lower Upper
 146 100
 111 46.8 34.1 51.1
 148 59.0 51.8 77.6





#68
1,2-Dibromo-3-chloropropane
Concen: 1.137 ug/L
RT: 12.371 min Scan# 3521
Delta R.T. 0.010 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24

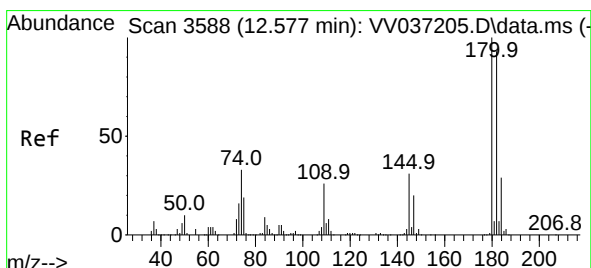
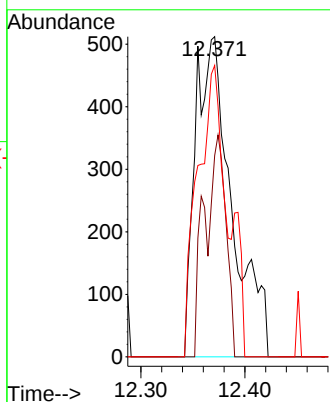
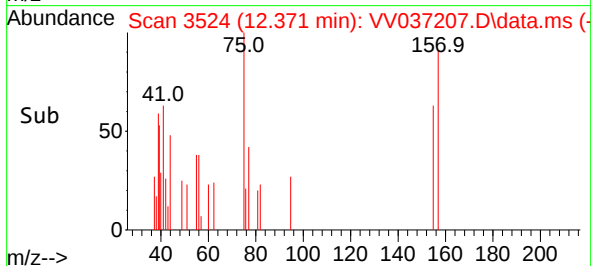
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT3-2024-06



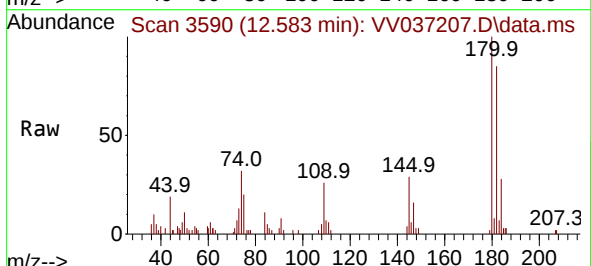
Tgt Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
155 62.9 65.6 98.4
157 91.0 76.9 115.3

Manual Integrations
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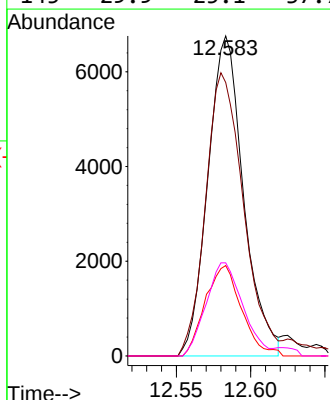
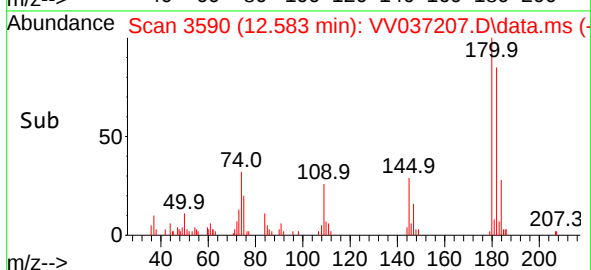
Reviewed By :Semsettin Yesilyurt 09/06/2024
Supervised By :Mahesh Dadoda 09/06/2024

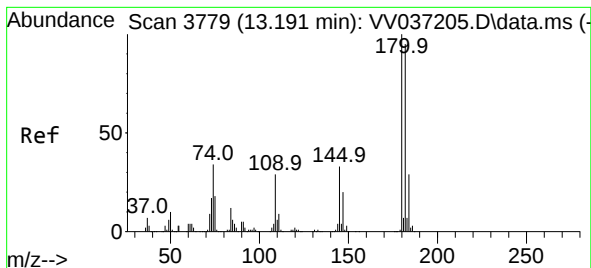


#69
1,3,5-Trichlorobenzene
Concen: 1.019 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.006 min
Lab File: VV037207.D
Acq: 05 Sep 2024 10:24



Tgt Ion:180 Resp: 11275
Ion Ratio Lower Upper
180 100
182 93.6 74.6 111.8
184 28.4 23.8 35.8
145 29.9 25.1 37.7





#70

1,2,4-trichlorobenzene

Concen: 1.054 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT3-2024-06

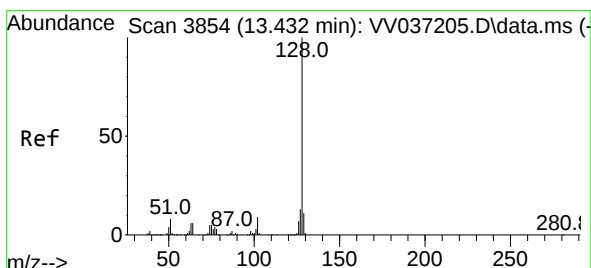
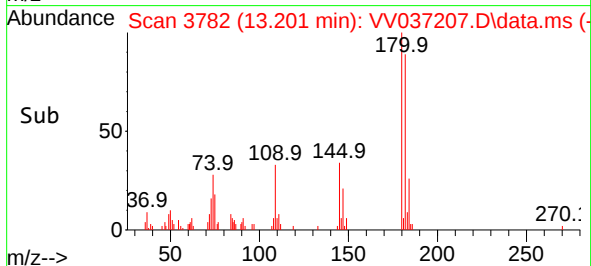
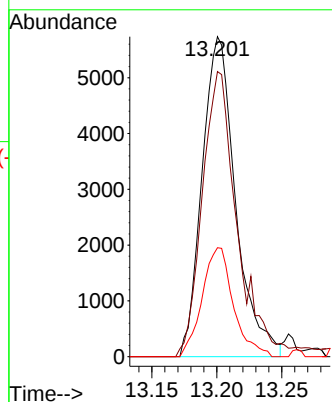
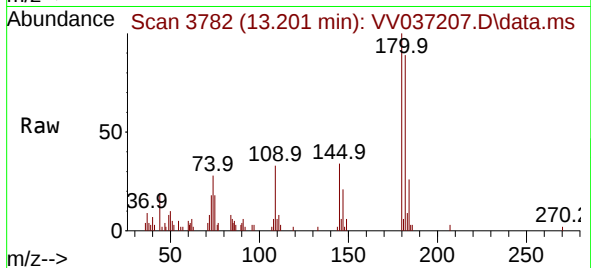
Tgt Ion:180	Resp:	10294
Ion Ratio	Lower	Upper
180	100	
182	82.3	74.9 112.3
145	31.7	25.4 38.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2024

Supervised By :Mahesh Dadoda 09/06/2024



#71

Naphthalene

Concen: 0.953 ug/L

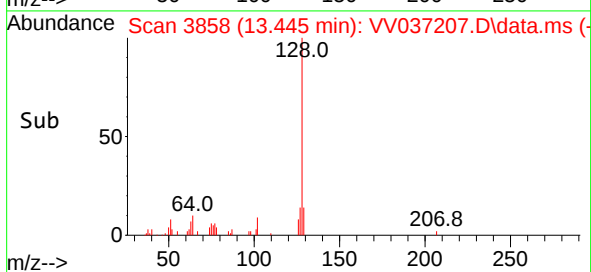
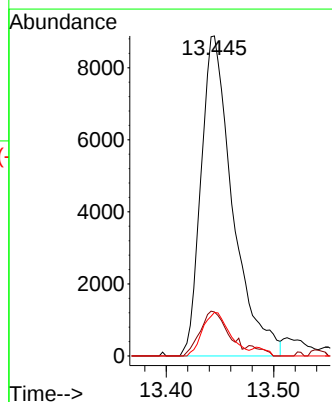
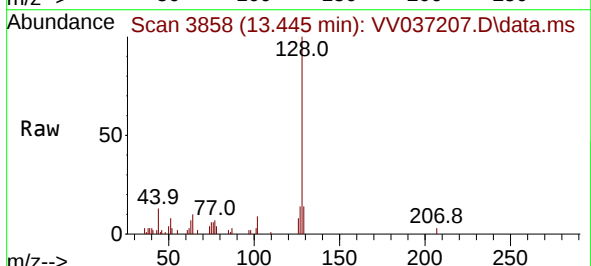
RT: 13.445 min Scan# 3858

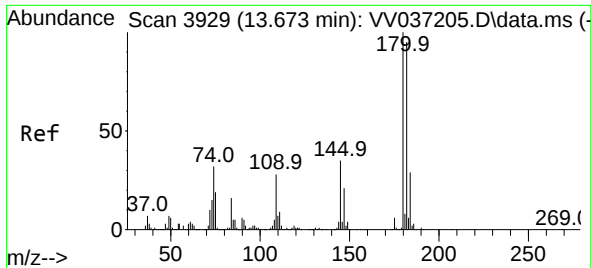
Delta R.T. 0.013 min

Lab File: VV037207.D

Acq: 05 Sep 2024 10:24

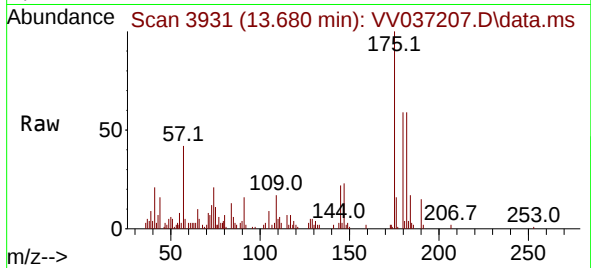
Tgt Ion:128	Resp:	18160
Ion Ratio	Lower	Upper
128	100	
127	11.4	10.5 15.7
129	11.7	8.2 12.2





#72
 1,2,3-Trichlorobenzene
 Concen: 0.959 ug/L
 RT: 13.680 min Scan# 3931
 Delta R.T. 0.006 min
 Lab File: VV037207.D
 Acq: 05 Sep 2024 10:24

Instrument : MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT3-2024-06



Tgt Ion:	180	Resp:	8600
Ion Ratio	Lower	Upper	
180	100		
182	98.6	78.0	117.0
145	39.5	27.9	41.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2024
 Supervised By :Mahesh Dadoda 09/06/2024

