

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
 Data File : VW027574.D
 Acq On : 07 Dec 2023 13:27
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 08 05:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 08 05:09:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	202443	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	152855	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	62696	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	110197	27.050	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.200%			
7) Chloroethane-d5	2.899	69	76959	26.059	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.240%			
11) 1,1-Dichloroethene-d2	4.027	65	47199	27.381	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 109.520%			
21) 2-Butanone-d5	7.081	46	24511	22.961	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 45.920%			
24) Chloroform-d	7.654	84	128756	21.308	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 85.240%			
26) 1,2-Dichloroethane-d4	8.307	65	53044	17.166	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 68.680%#			
32) Benzene-d6	8.276	84	288156	26.766	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.080%			
36) 1,2-Dichloropropane-d6	9.276	67	75529	23.798	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.200%			
41) Toluene-d8	10.325	98	250091	26.550	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.200%			
43) trans-1,3-Dichloroprop...	10.581	79	21081	17.176	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 68.720%			
47) 2-Hexanone-d5	10.928	63	13554	22.920	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 45.840%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	40719	15.598	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 62.400%			
66) 1,2-Dichlorobenzene-d4	13.848	152	51980	23.652	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	4572m	1.687	ug/L	
3) Chloromethane	2.222	50	4621	1.392	ug/L	93
5) Vinyl chloride	2.369	62	6089m	1.572	ug/L	
6) Bromomethane	2.795	94	2983m	1.468	ug/L	
8) Chloroethane	2.942	64	3500m	1.582	ug/L	
9) Trichlorofluoromethane	3.277	101	5317	1.434	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.094	101	4968m	1.571	ug/L	
12) 1,1-Dichloroethene	4.051	96	4744	1.643	ug/L #	1
13) Acetone	4.124	43	4461m	4.335	ug/L	
14) Carbon disulfide	4.399	76	12064	1.383	ug/L	99
15) Methyl Acetate	4.685	43	2521m	1.402	ug/L	
16) Methylene chloride	4.929	84	7706	2.334	ug/L	87
17) trans-1,2-Dichloroethene	5.441	96	3840m	1.290	ug/L	
18) Methyl tert-butyl Ether	5.429	73	4061m	0.846	ug/L	
19) 1,1-Dichloroethane	6.216	63	6643	1.097	ug/L #	90
20) cis-1,2-Dichloroethene	7.173	96	3163	0.989	ug/L	100
22) 2-Butanone	7.124	43	4064m	3.061	ug/L	
23) Bromochloromethane	7.526	128	1230m	0.978	ug/L	
25) Chloroform	7.673	83	5957	1.084	ug/L	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
 Data File : VW027574.D
 Acq On : 07 Dec 2023 13:27
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 08 05:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 08 05:09:42 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	3177	0.894	ug/L #	85
29) Cyclohexane	7.953	56	8732	1.738	ug/L	97
30) 1,1,1-Trichloroethane	7.880	97	6212	1.457	ug/L #	87
31) Carbon tetrachloride	8.069	117	5722	1.539	ug/L	91
33) Benzene	8.325	78	13074	1.239	ug/L	100
34) Trichloroethene	9.099	95	3801	1.319	ug/L	90
35) Methylcyclohexane	9.331	83	8017	1.562	ug/L	92
37) 1,2-Dichloropropane	9.367	63	3036	1.090	ug/L	98
38) Bromodichloromethane	9.648	83	3076	0.955	ug/L #	99
39) cis-1,3-Dichloropropene	10.075	75	3403	0.846	ug/L	85
40) 4-Methyl-2-pentanone	10.209	43	2511	1.334	ug/L	98
42) Toluene	10.386	91	13246	1.187	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	3126m	0.964	ug/L	
45) 1,1,2-Trichloroethane	10.794	97	1624	0.837	ug/L	96
46) Tetrachloroethene	10.861	164	3139	1.528	ug/L	98
48) 2-Hexanone	10.965	43	2071m	1.561	ug/L	
49) Dibromochloromethane	11.129	129	1623	0.846	ug/L	91
50) 1,2-Dibromoethane	11.239	107	1459	0.822	ug/L #	84
51) Chlorobenzene	11.660	112	7194	1.069	ug/L	97
52) Ethylbenzene	11.727	91	14953	1.180	ug/L	94
53) m,p-Xylene	11.836	106	5362	1.148	ug/L	96
54) o-Xylene	12.166	106	4251	1.001	ug/L	94
55) Styrene	12.178	104	6861	0.947	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	2230	0.883	ug/L #	85
59) Bromoform	12.349	173	928	1.057	ug/L #	88
60) Isopropylbenzene	12.458	105	14882	1.438	ug/L	96
61) 1,2,3-Trichloropropane	12.769	75	1698m	1.123	ug/L	
62) 1,3,5-Trimethylbenzene	12.940	105	9481	1.238	ug/L	93
63) 1,2,4-Trimethylbenzene	13.251	105	8871	1.163	ug/L	93
64) 1,3-Dichlorobenzene	13.495	146	4482	1.130	ug/L	85
65) 1,4-Dichlorobenzene	13.574	146	4393	1.111	ug/L	88
67) 1,2-Dichlorobenzene	13.867	146	3590	1.005	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	14.495	75	599m	1.647	ug/L	
69) 1,3,5-Trichlorobenzene	14.629	180	2758	1.034	ug/L	96
70) 1,2,4-trichlorobenzene	15.135	180	1942	0.938	ug/L	97
71) Naphthalene	15.354	128	3173	0.729	ug/L #	85
72) 1,2,3-Trichlorobenzene	15.549	180	1610	0.908	ug/L #	88

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

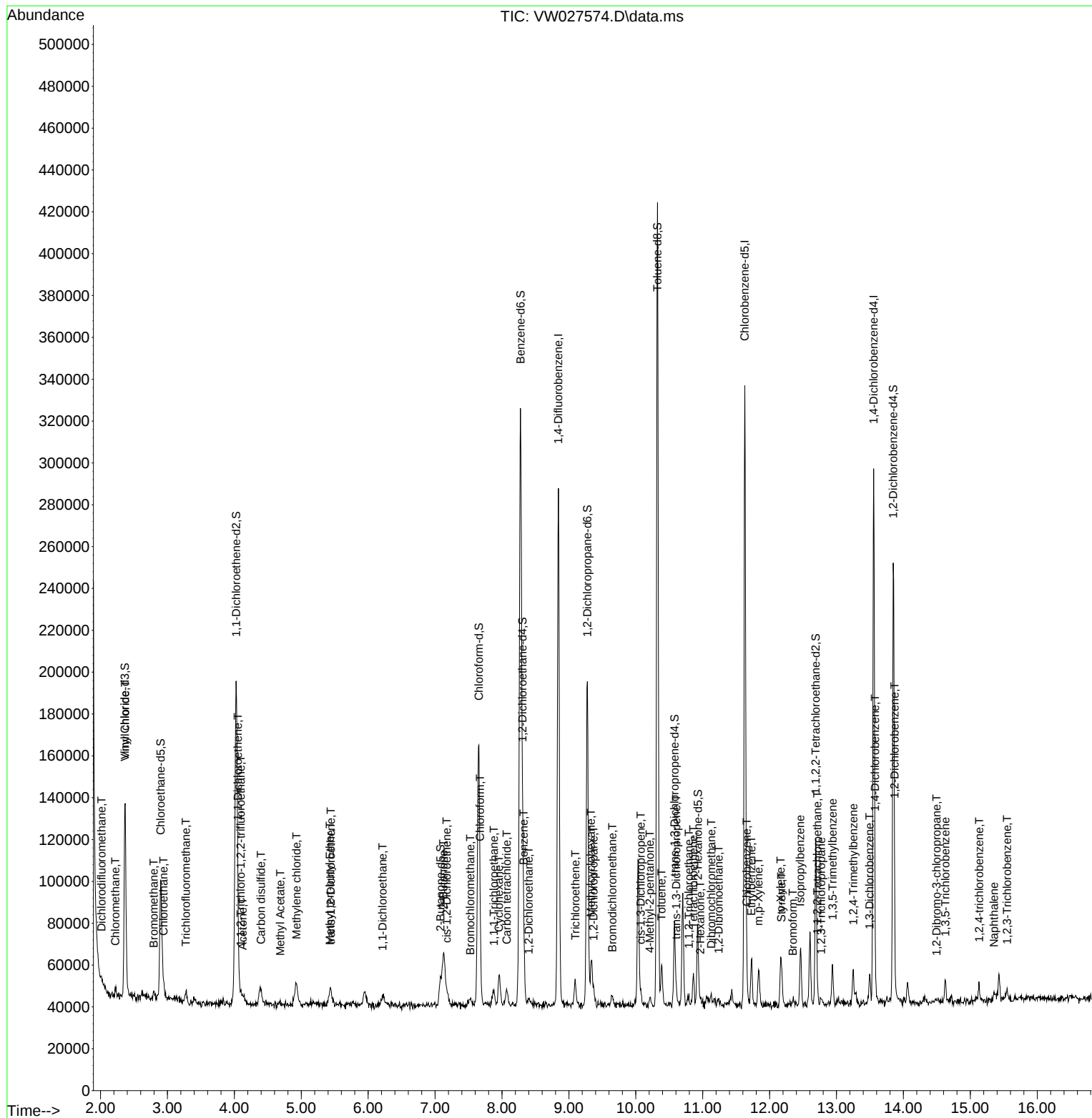
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
 Data File : VW027574.D
 Acq On : 07 Dec 2023 13:27
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

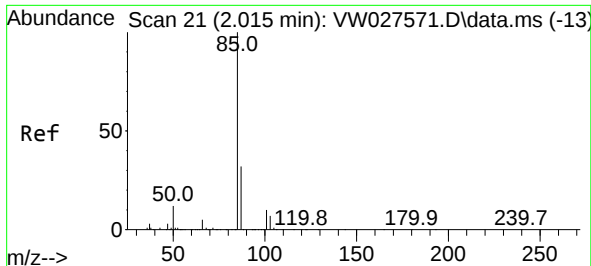
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 08 05:19:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 08 05:09:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

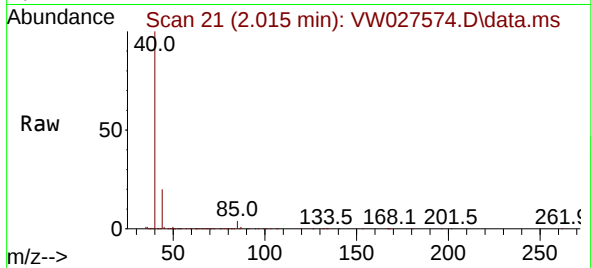
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023





#2
Dichlorodifluoromethane
Concen: 1.687 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

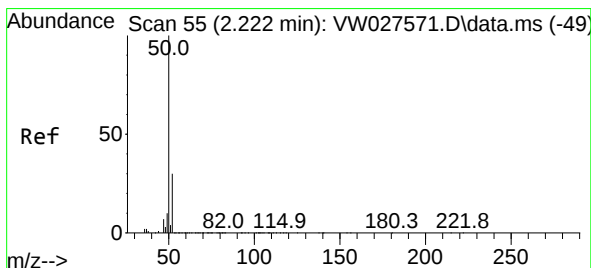
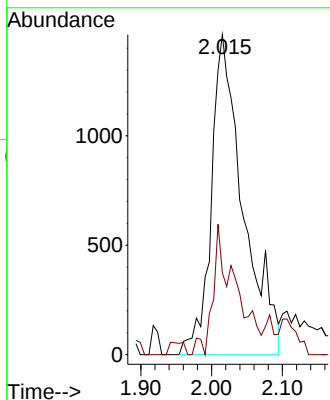
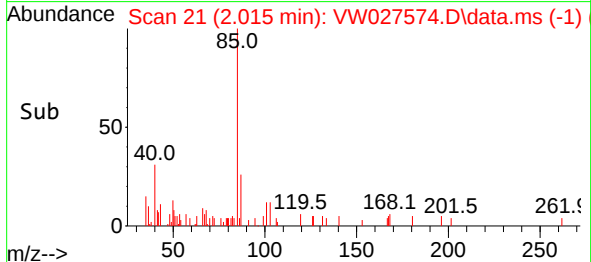
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 85 Resp: 4572
Ion Ratio Lower Upper
85 100
87 13.8 24.0 36.0

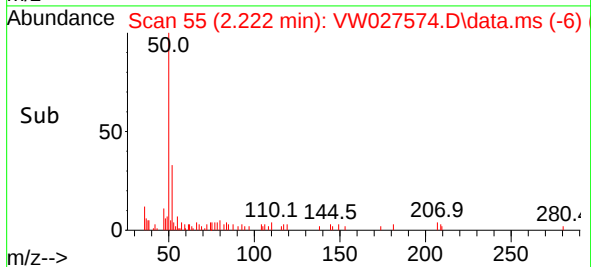
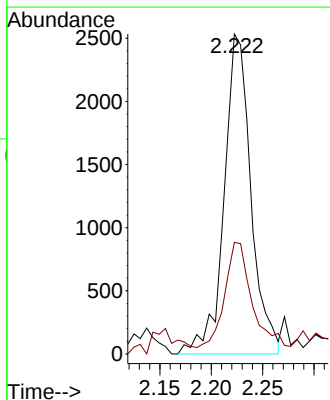
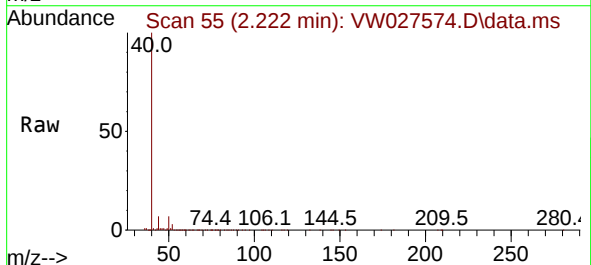
Manual Integrations
APPROVED

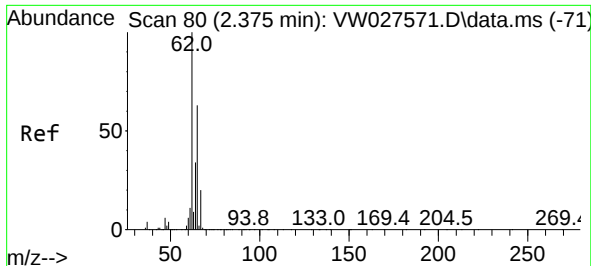
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#3
Chloromethane
Concen: 1.392 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

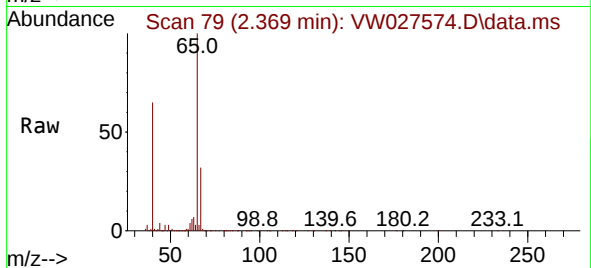
Tgt Ion: 50 Resp: 4621
Ion Ratio Lower Upper
50 100
52 34.8 21.8 40.6





#5
 Vinyl chloride
 Concen: 1.572 ug/L m
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW027574.D
 Acq: 07 Dec 2023 13:27

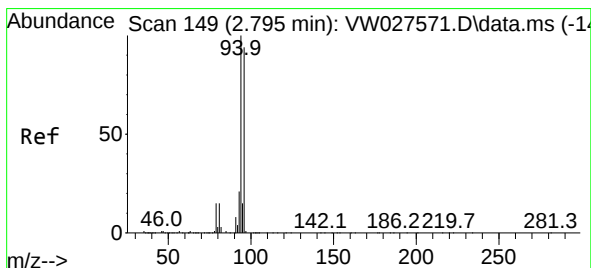
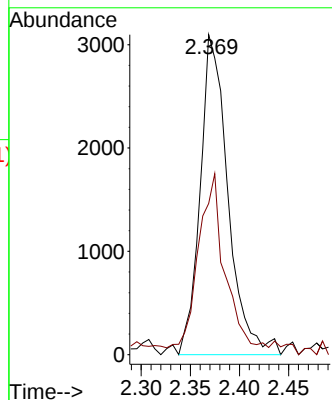
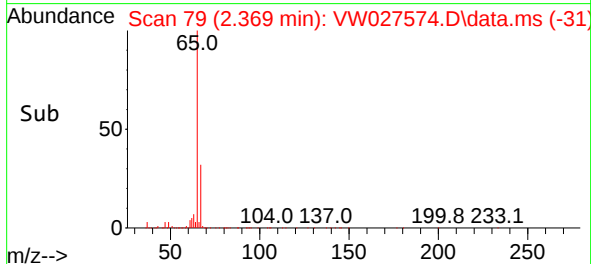
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 6089
 Ion Ratio Lower Upper
 62 100
 64 47.3 22.2 41.2

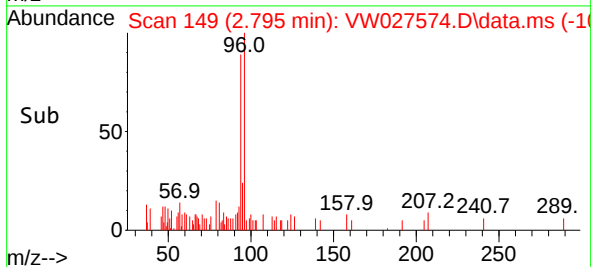
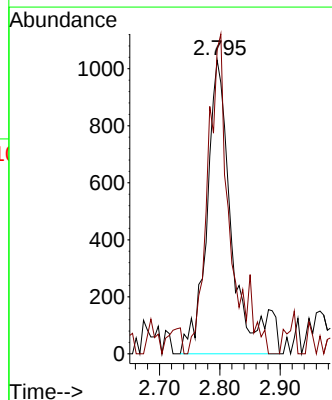
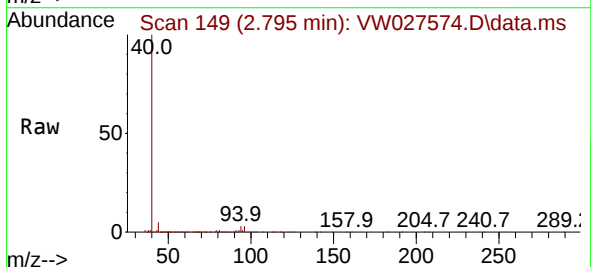
Manual Integrations
 APPROVED

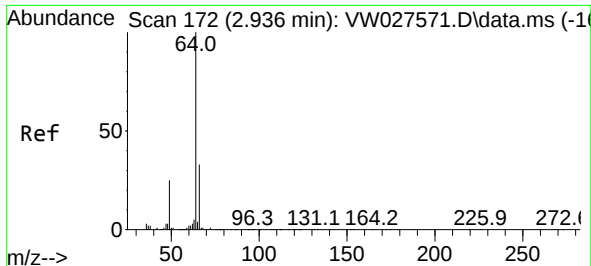
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#6
 Bromomethane
 Concen: 1.468 ug/L m
 RT: 2.795 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VW027574.D
 Acq: 07 Dec 2023 13:27

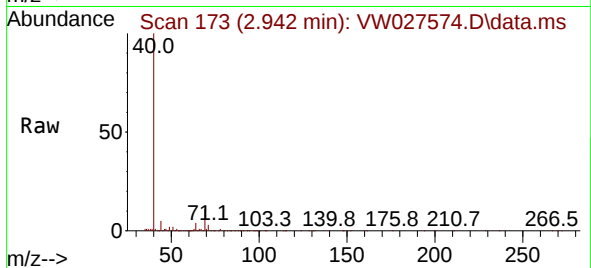
Tgt Ion: 94 Resp: 2983
 Ion Ratio Lower Upper
 94 100
 96 103.5 63.3 117.7





#8
Chloroethane
Concen: 1.582 ug/L m
RT: 2.942 min Scan# 172
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

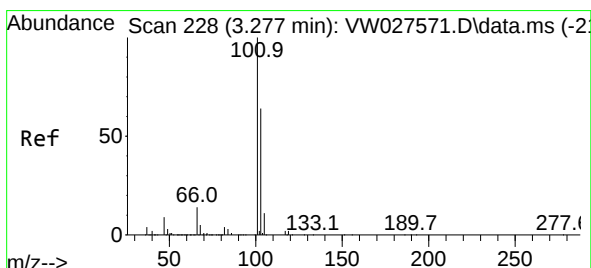
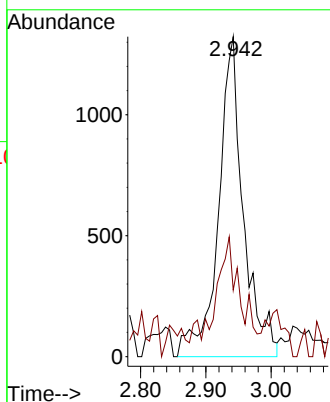
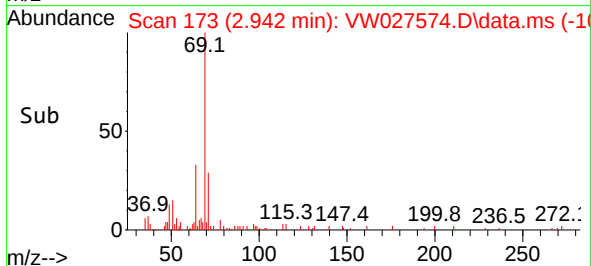
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



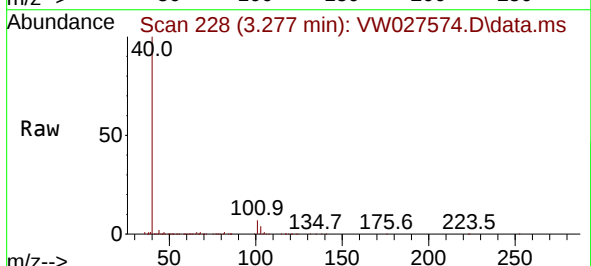
Tgt Ion: 64 Resp: 3500
Ion Ratio Lower Upper
64 100
66 20.8 24.1 44.7

Manual Integrations
APPROVED

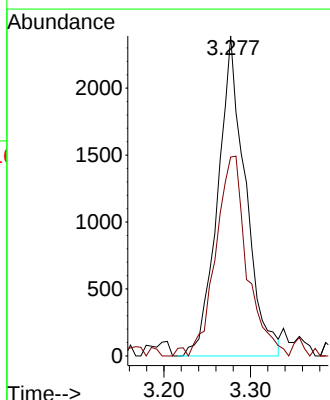
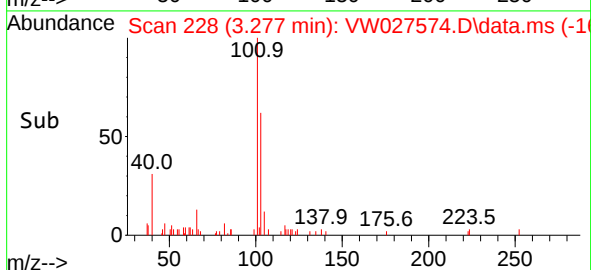
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

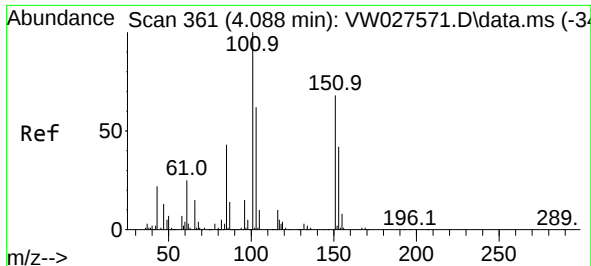


#9
Trichlorofluoromethane
Concen: 1.434 ug/L
RT: 3.277 min Scan# 228
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



Tgt Ion:101 Resp: 5317
Ion Ratio Lower Upper
101 100
103 70.1 52.0 78.0





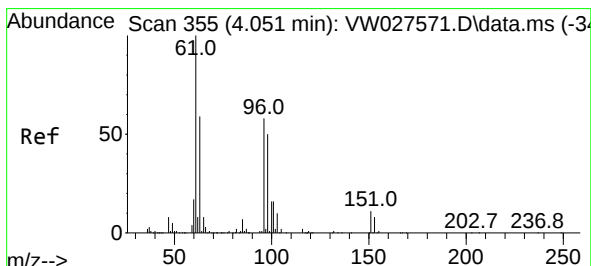
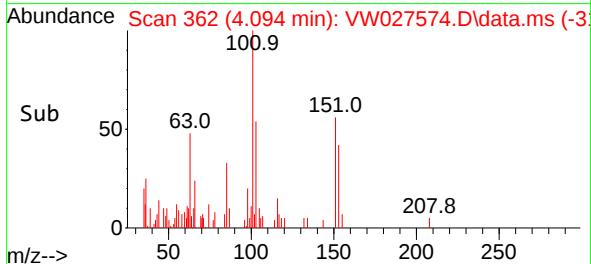
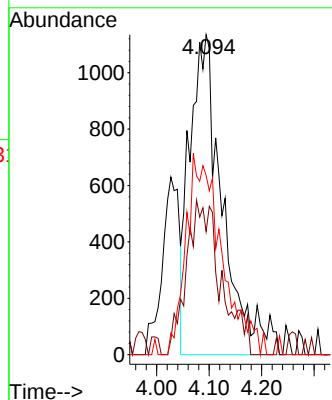
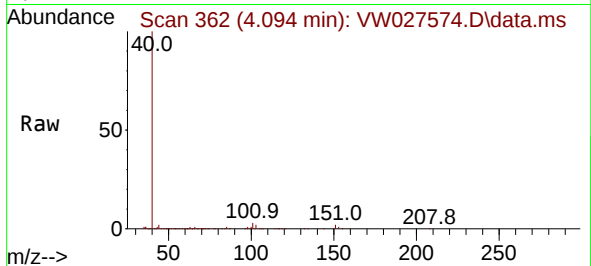
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.571 ug/L m
RT: 4.094 min Scan# 362
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 101 Resp: 4968
Ion Ratio Lower Upper
101 100
85 11.1 33.9 50.9
151 0.0 54.6 81.8

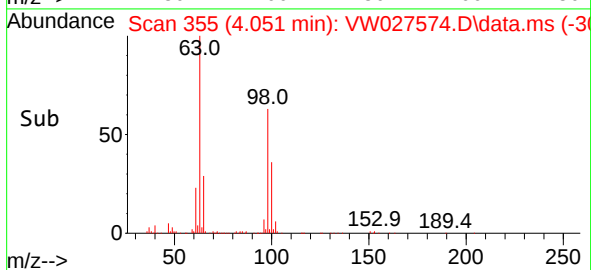
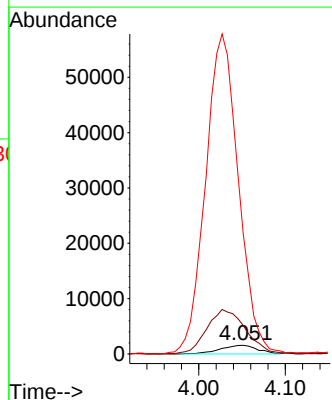
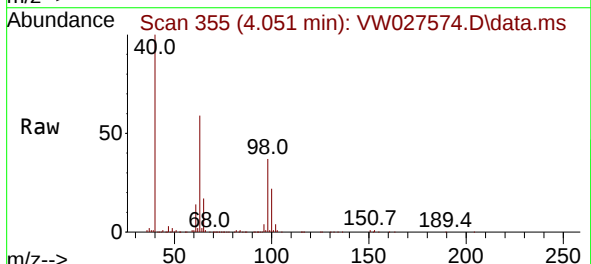
Manual Integrations
APPROVED

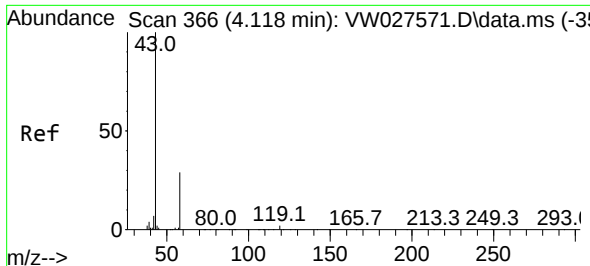
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#12
1,1-Dichloroethene
Concen: 1.643 ug/L
RT: 4.051 min Scan# 355
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

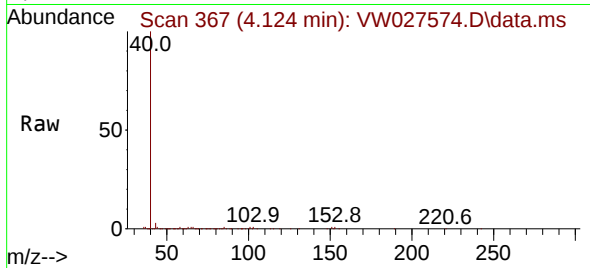
Tgt Ion: 96 Resp: 4744
Ion Ratio Lower Upper
96 100
61 327.2 127.8 237.4#
63 1379.8 104.9 194.7#





#13
Acetone
Concen: 4.335 ug/L m
RT: 4.124 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

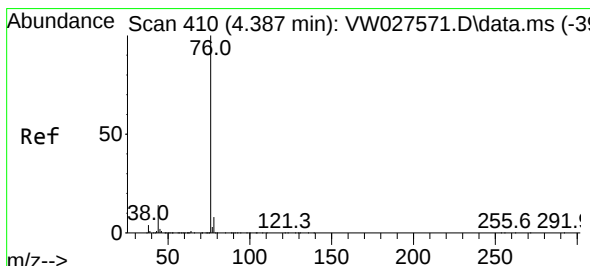
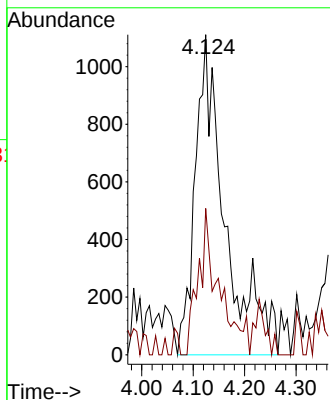
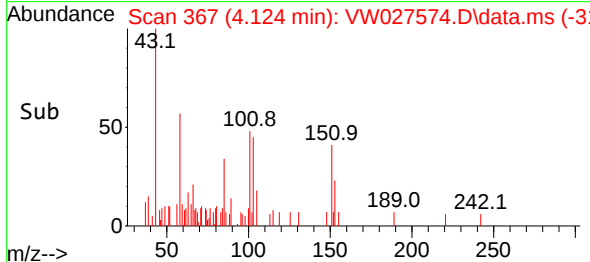
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
58 18.3 0.0 60.0

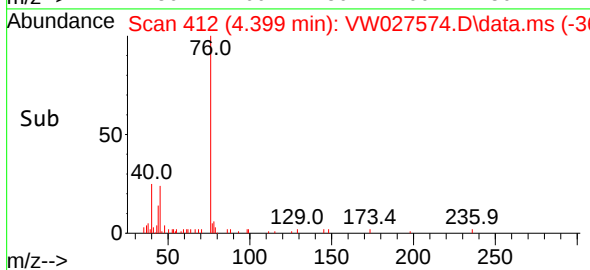
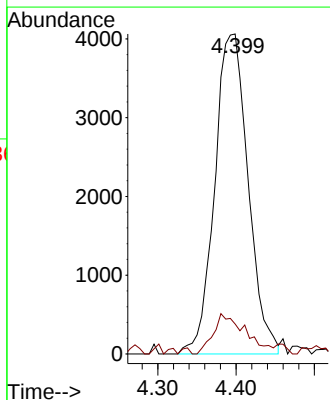
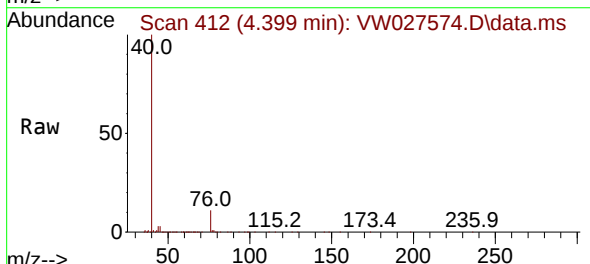
Manual Integrations
APPROVED

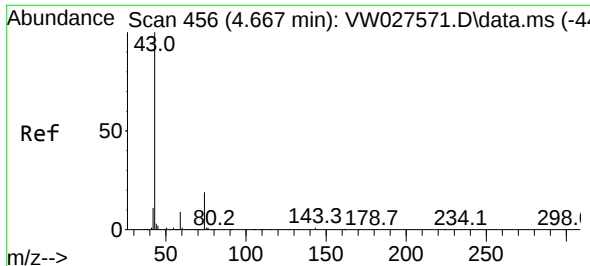
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#14
Carbon disulfide
Concen: 1.383 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.012 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

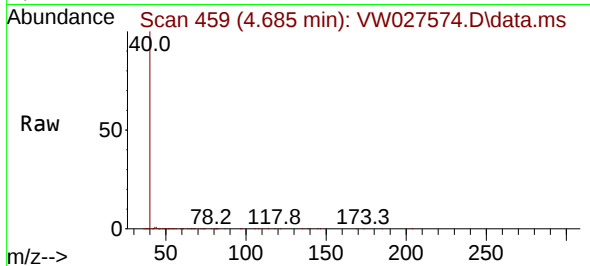
Tgt Ion: 76 Resp: 12064
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6





#15
Methyl Acetate
Concen: 1.402 ug/L m
RT: 4.685 min Scan# 4
Delta R.T. 0.018 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

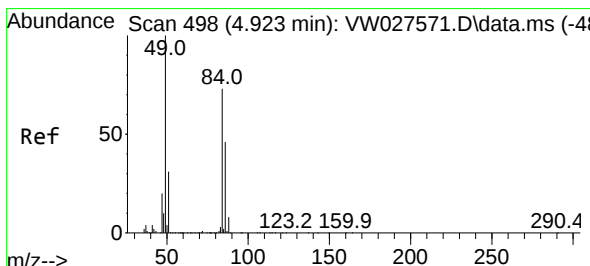
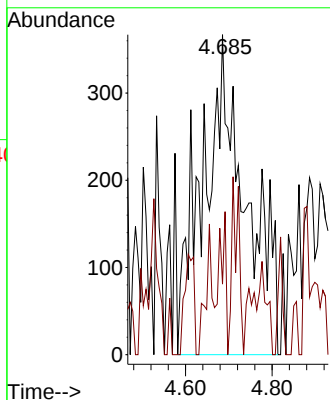
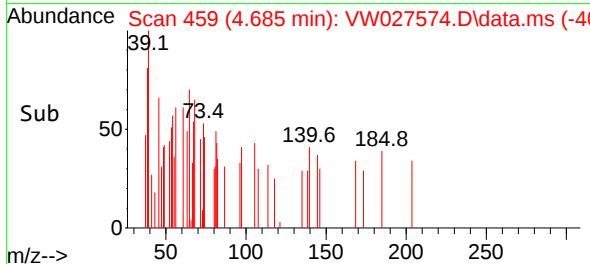
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
74 1.9 16.8 25.2

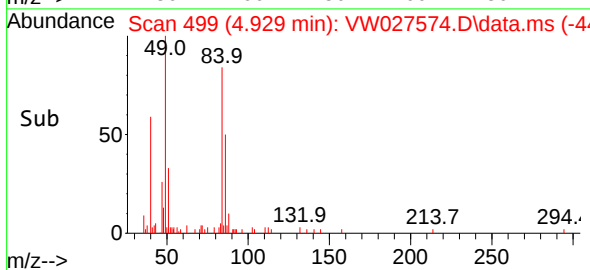
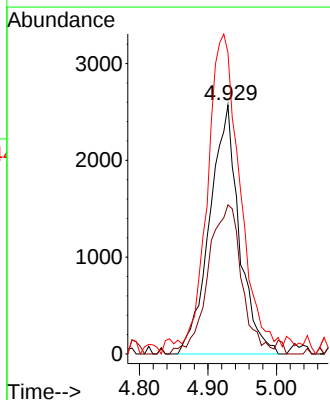
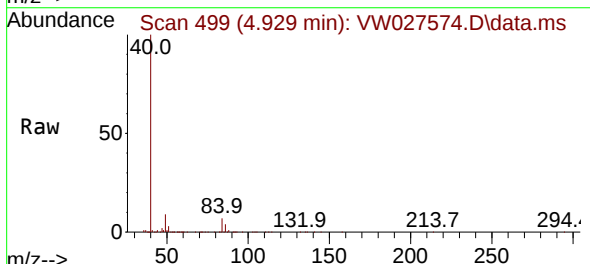
Manual Integrations
APPROVED

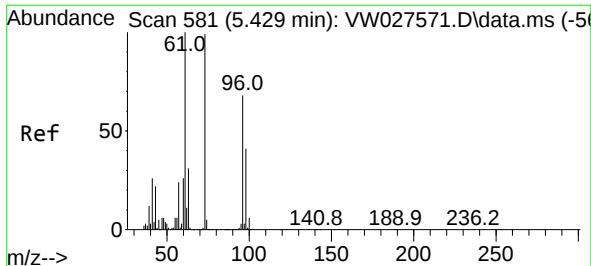
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#16
Methylene chloride
Concen: 2.334 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

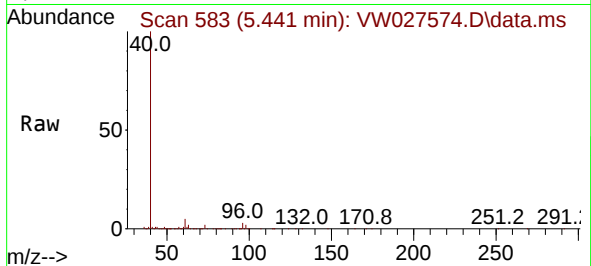
Tgt Ion: 84 Resp: 7706
Ion Ratio Lower Upper
84 100
86 59.9 47.7 88.7
49 121.2 97.4 181.0





#17
trans-1,2-Dichloroethene
Concen: 1.290 ug/L m
RT: 5.441 min Scan# 581
Delta R.T. 0.012 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

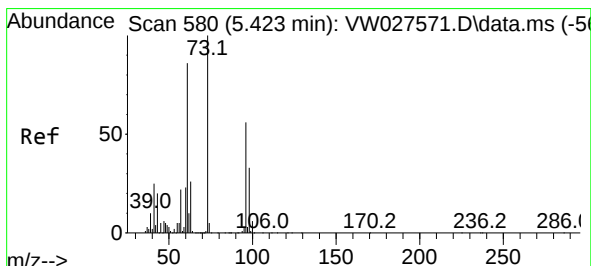
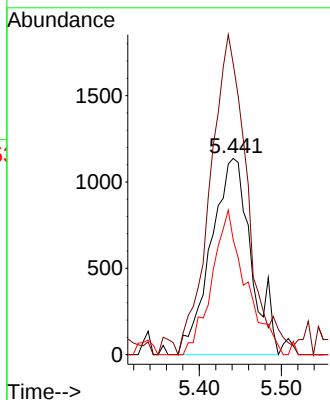
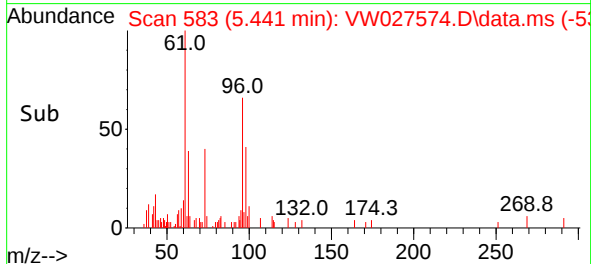
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 96 Resp: 3840
Ion Ratio Lower Upper
96 100
61 148.0 109.6 203.6
98 58.5 41.9 77.7

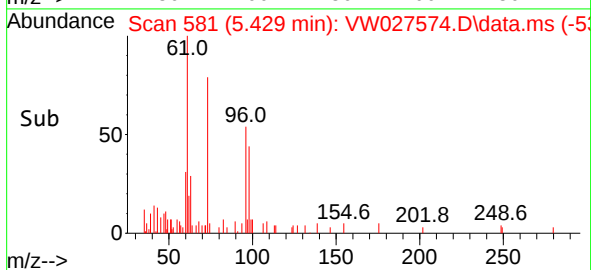
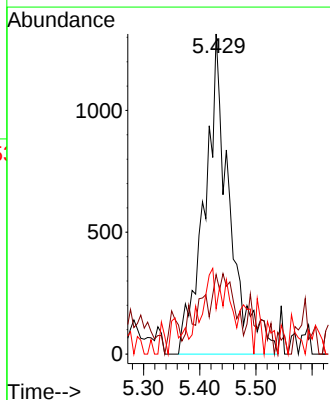
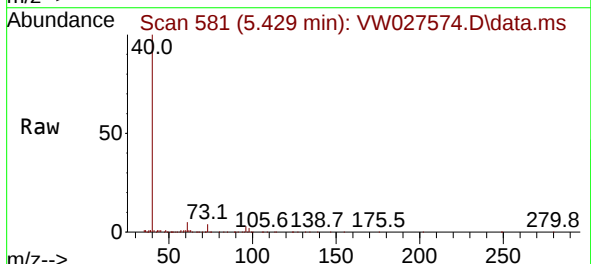
Manual Integrations
APPROVED

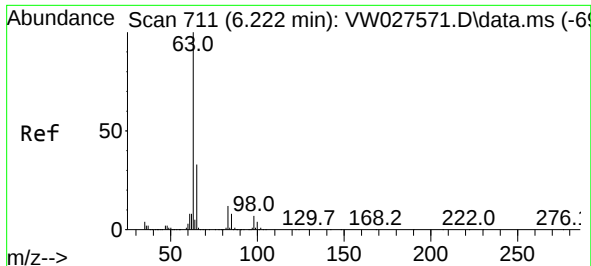
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#18
Methyl tert-butyl Ether
Concen: 0.846 ug/L m
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Tgt Ion: 73 Resp: 4061
Ion Ratio Lower Upper
73 100
43 3.4 17.8 26.6#
57 5.6 19.9 29.9#





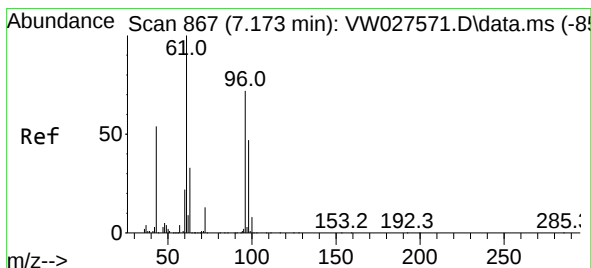
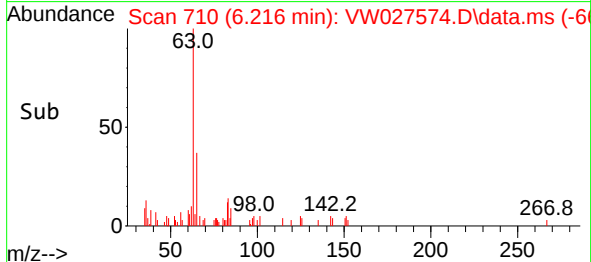
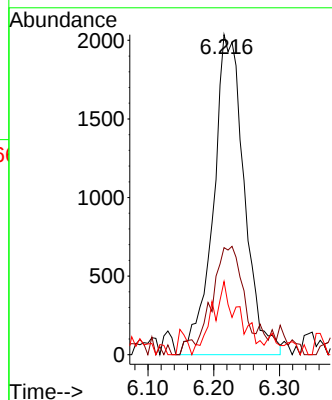
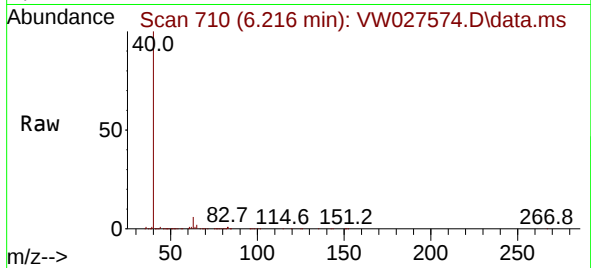
#19
1,1-Dichloroethane
Concen: 1.097 ug/L
RT: 6.216 min Scan# 711
Delta R.T. -0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 664
Ion Ratio Lower Upper
63 100
65 33.4 22.0 40.8
83 22.8 9.0 16.8

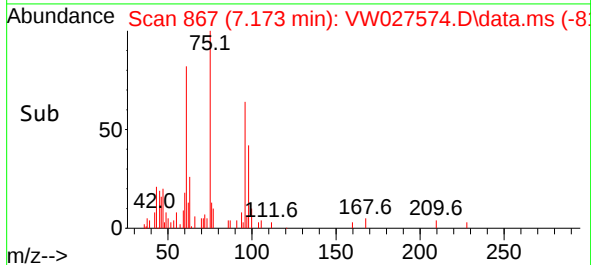
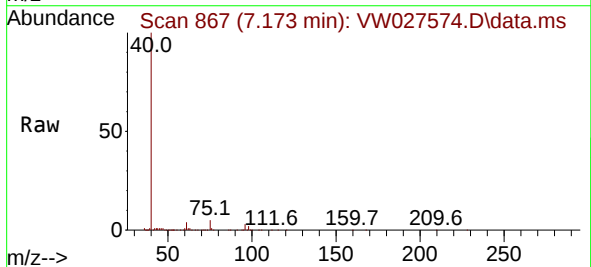
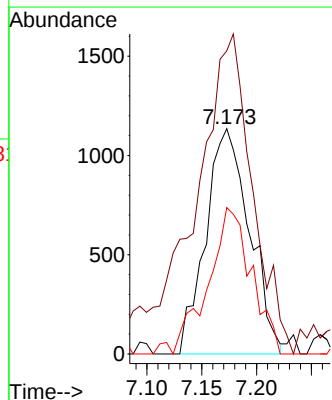
Manual Integrations
APPROVED

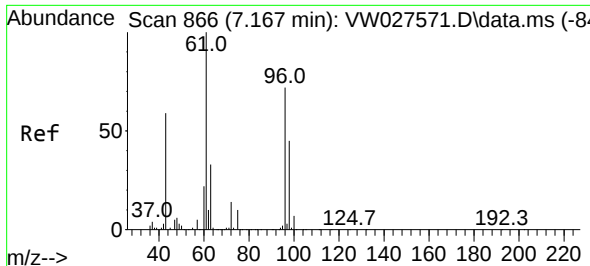
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#20
cis-1,2-Dichloroethene
Concen: 0.989 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

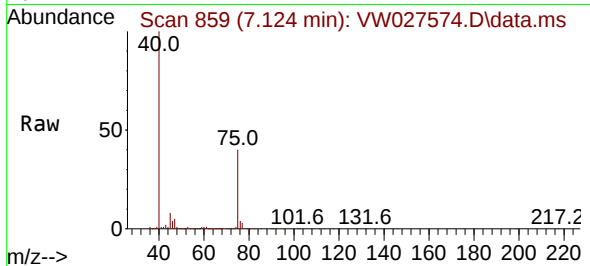
Tgt Ion: 96 Resp: 3163
Ion Ratio Lower Upper
96 100
61 134.5 94.0 174.6
98 65.0 45.1 83.7





#22
2-Butanone
Concen: 3.061 ug/L m
RT: 7.124 min Scan# 866
Delta R.T. -0.043 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

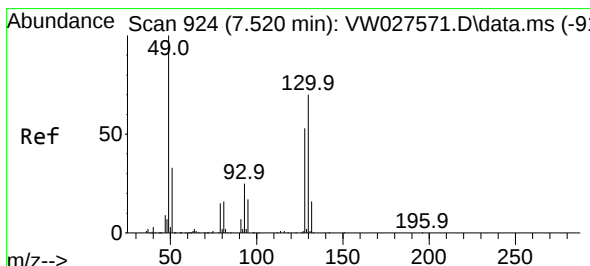
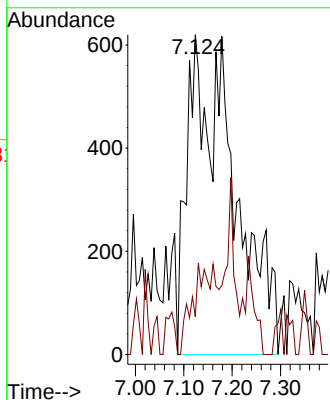
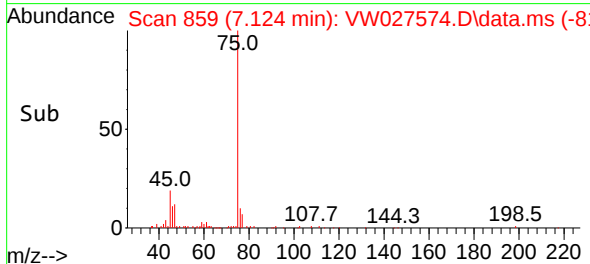
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
72 2.8 11.9 35.9

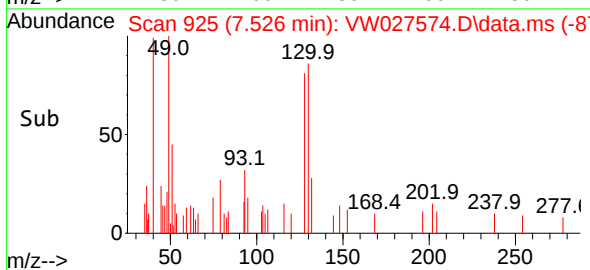
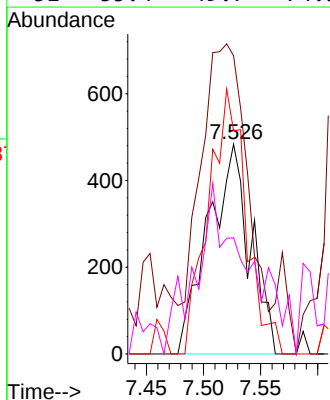
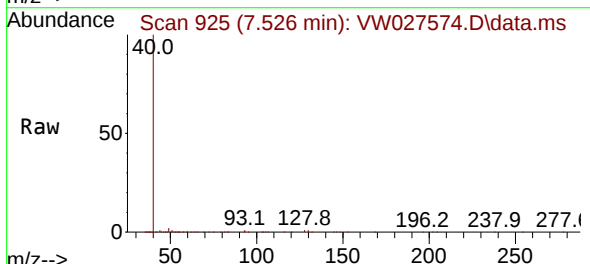
Manual Integrations
APPROVED

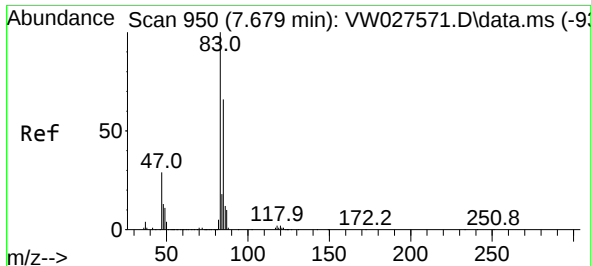
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#23
Bromochloromethane
Concen: 0.978 ug/L m
RT: 7.526 min Scan# 925
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

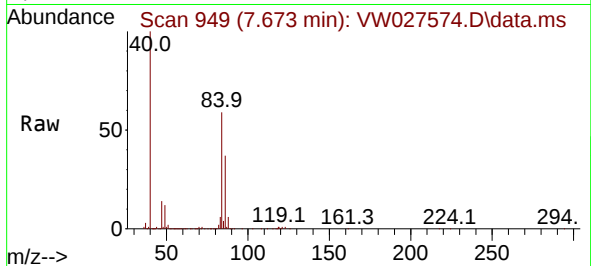
Tgt Ion:128 Resp: 1230
Ion Ratio Lower Upper
128 100
49 142.1 137.8 256.0
130 106.4 91.2 169.4
51 55.4 49.7 74.5





#25
Chloroform
Concen: 1.084 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

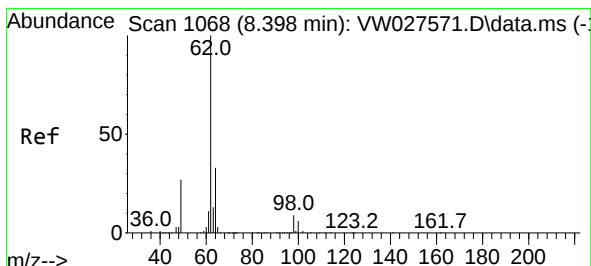
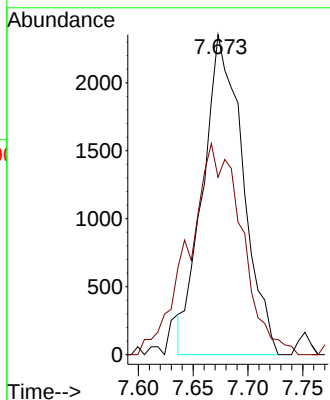
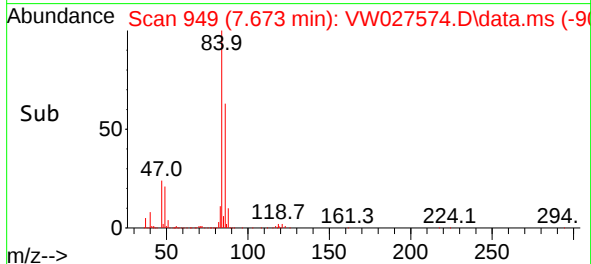
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 595
Ion Ratio Lower Upper
83 100
85 55.4 49.8 92.6

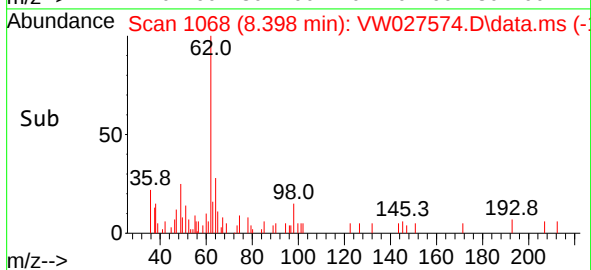
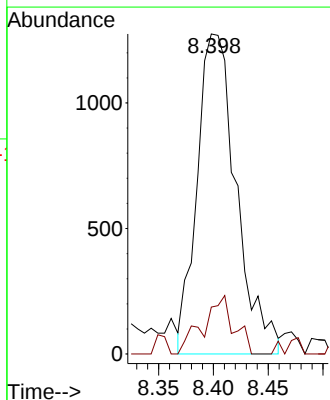
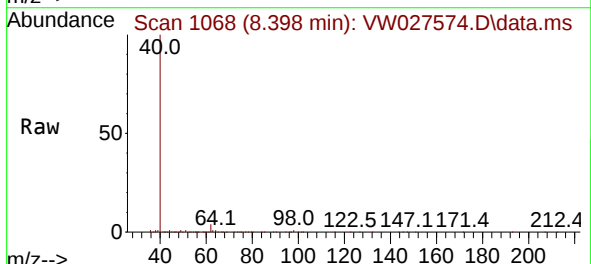
Manual Integrations
APPROVED

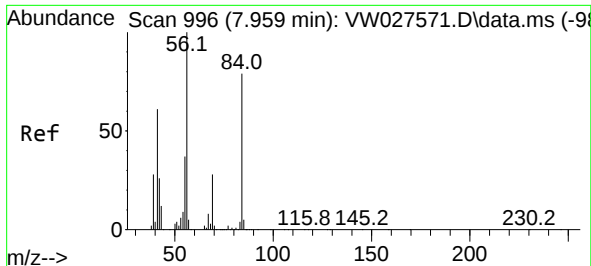
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#27
1,2-Dichloroethane
Concen: 0.894 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

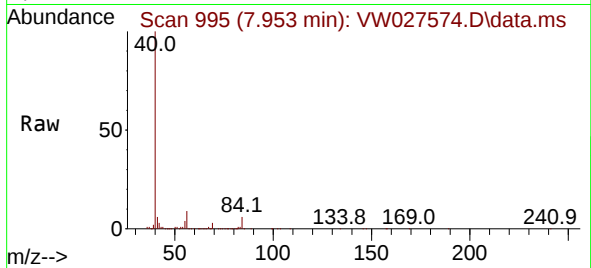
Tgt Ion: 62 Resp: 3177
Ion Ratio Lower Upper
62 100
98 14.7 7.4 11.0#





#29
Cyclohexane
Concen: 1.738 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

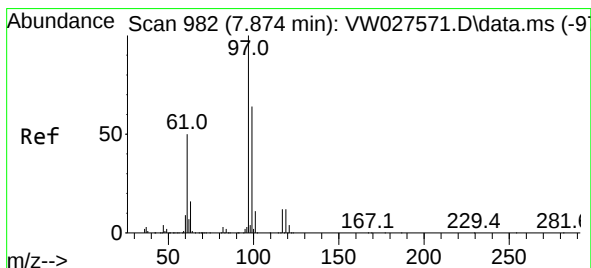
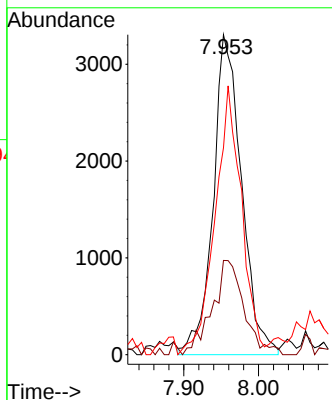
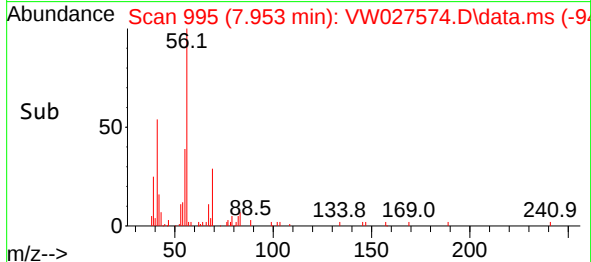
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



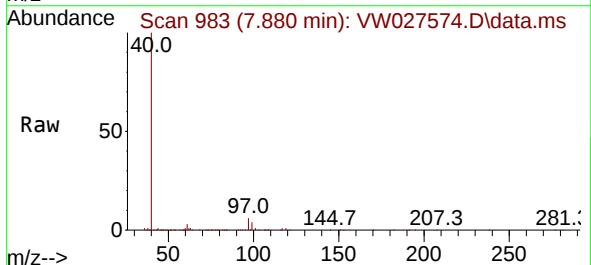
Tgt Ion: 56 Resp: 873
Ion Ratio Lower Upper
56 100
69 31.6 24.1 36.1
84 78.3 65.0 97.4

Manual Integrations
APPROVED

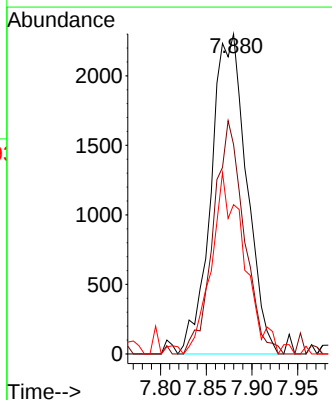
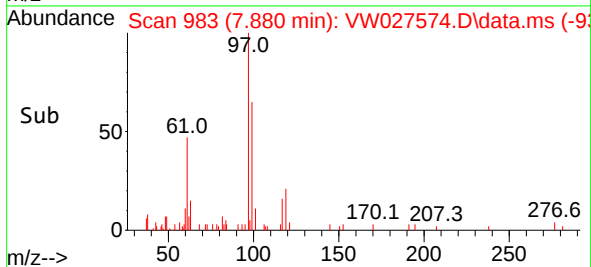
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

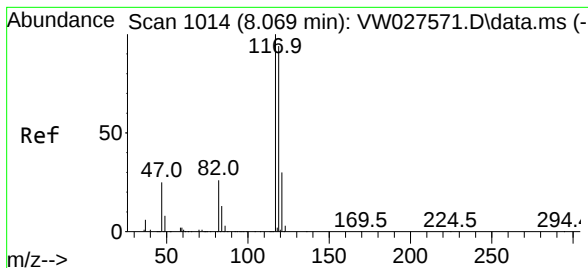


#30
1,1,1-Trichloroethane
Concen: 1.457 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



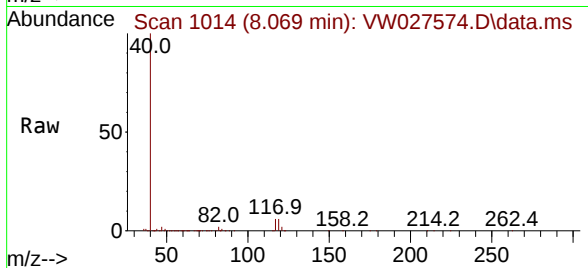
Tgt Ion: 97 Resp: 6212
Ion Ratio Lower Upper
97 100
99 63.2 50.5 75.7
61 27.9 39.0 58.4





#31
Carbon tetrachloride
Concen: 1.539 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

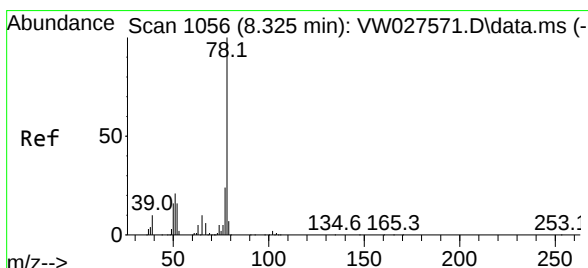
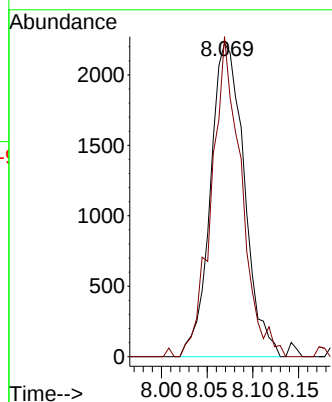
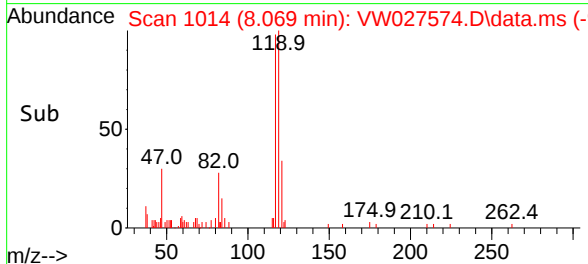
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 572
Ion Ratio Lower Upper
117 100
119 87.6 77.0 115.6

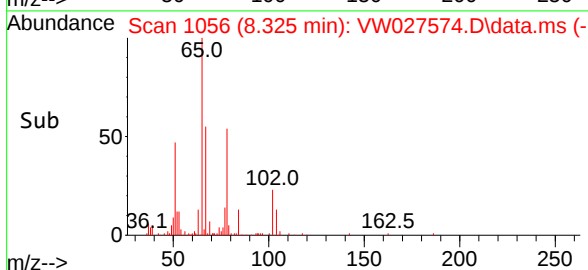
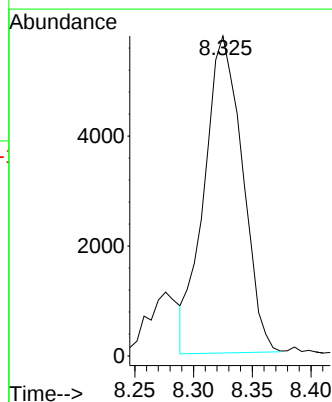
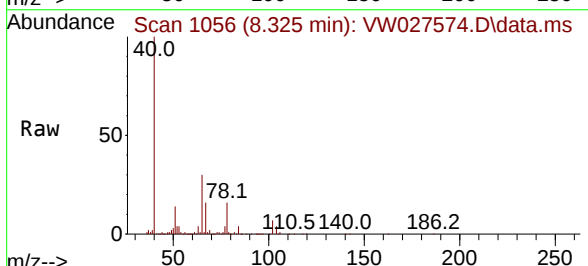
Manual Integrations
APPROVED

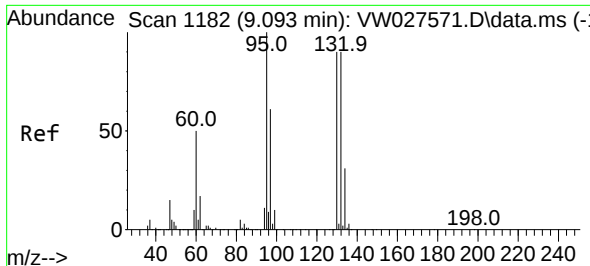
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#33
Benzene
Concen: 1.239 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Tgt Ion: 78 Resp: 13074





#34

Trichloroethene

Concen: 1.319 ug/L

RT: 9.099 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW027574.D

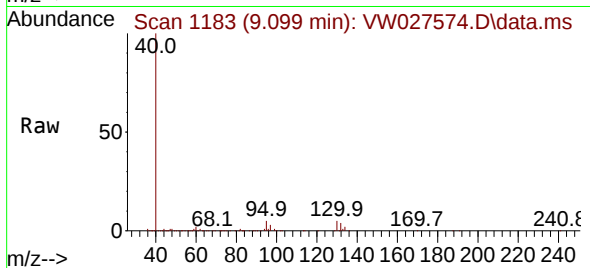
Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 95 Resp: 380

Ion Ratio Lower Upper

95 100

97 64.4 43.0 80.0

132 81.5 64.1 119.1

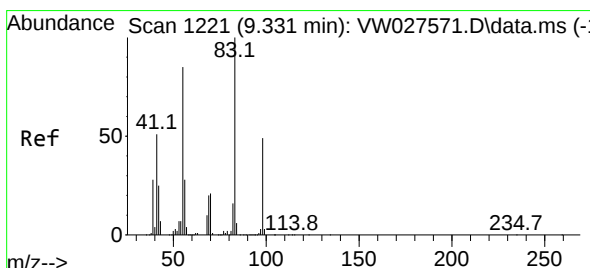
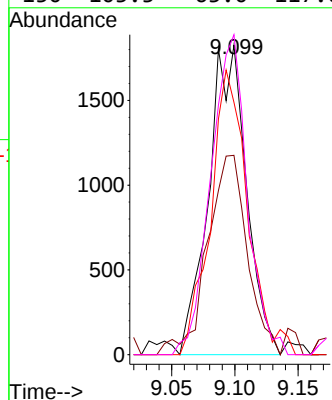
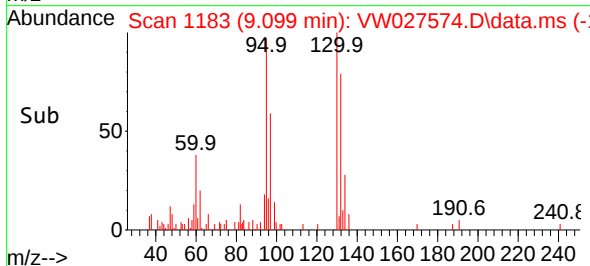
130 103.3 63.0 117.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#35

Methylcyclohexane

Concen: 1.562 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

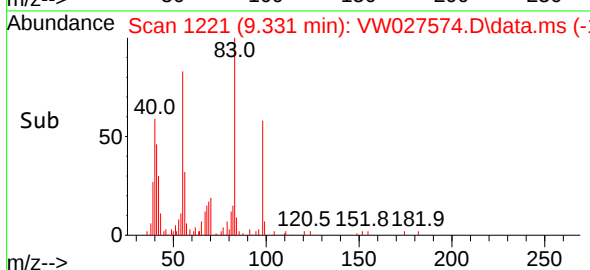
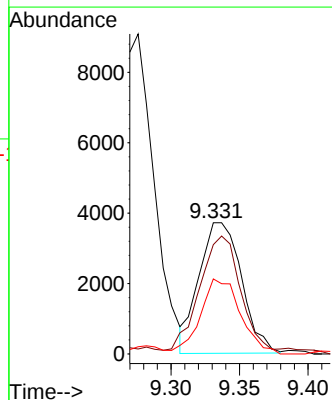
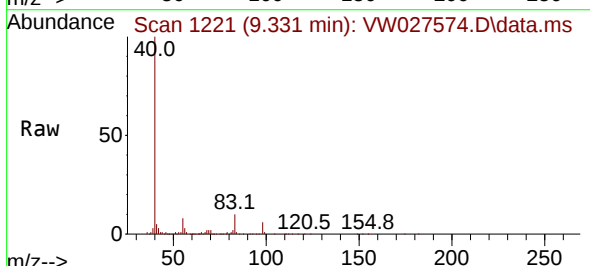
Tgt Ion: 83 Resp: 8017

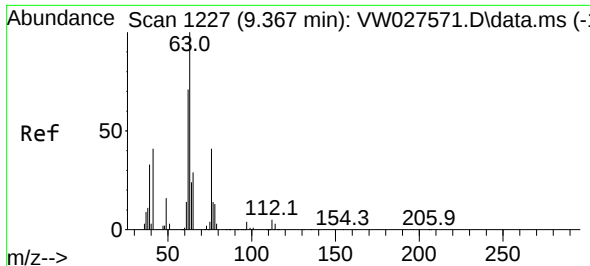
Ion Ratio Lower Upper

83 100

55 88.2 65.6 98.4

98 54.0 38.3 57.5





#37

1,2-Dichloropropane

Concen: 1.090 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

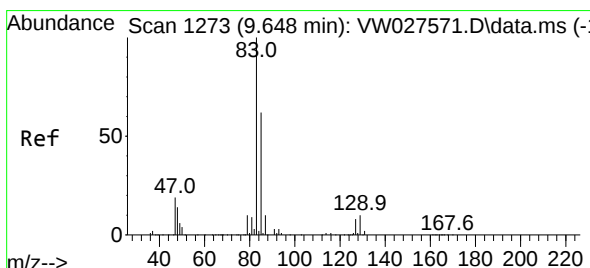
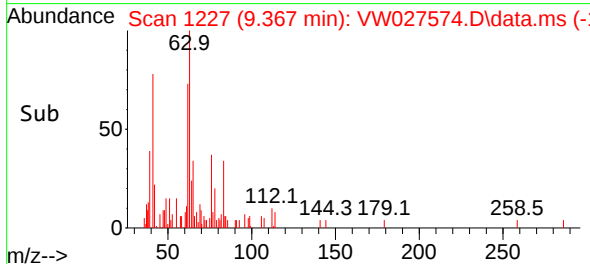
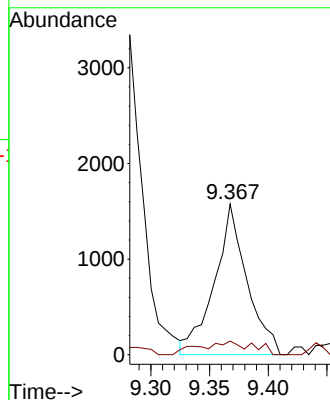
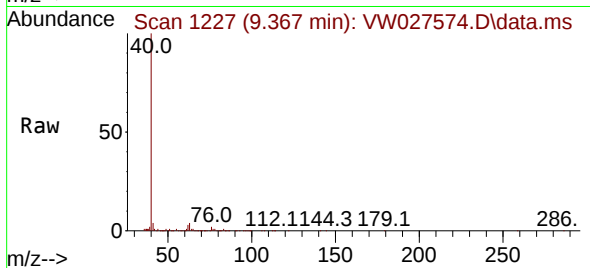
MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 3030
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#38

Bromodichloromethane

Concen: 0.955 ug/L

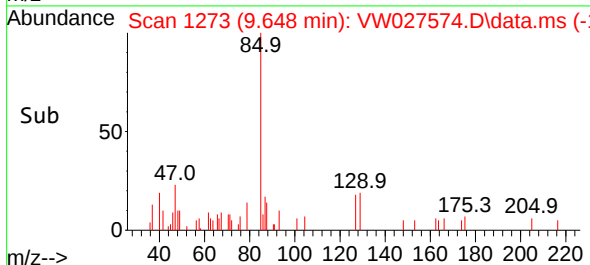
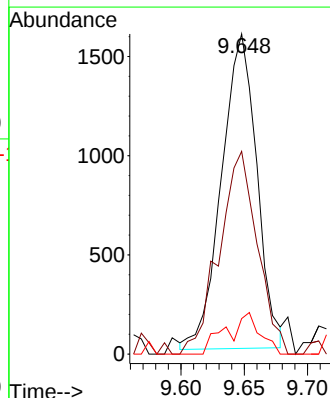
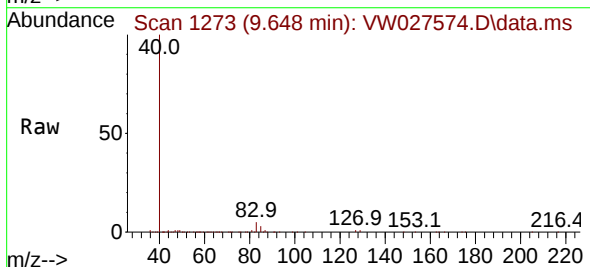
RT: 9.648 min Scan# 1273

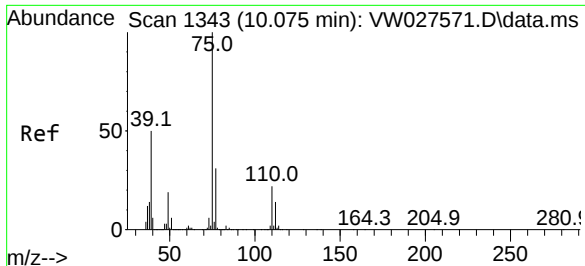
Delta R.T. -0.000 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

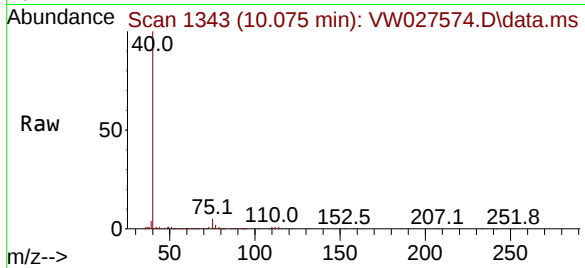
Tgt Ion: 83 Resp: 3076
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.3 82.3
 127 11.1 5.3 7.9





#39
cis-1,3-Dichloropropene
Concen: 0.846 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

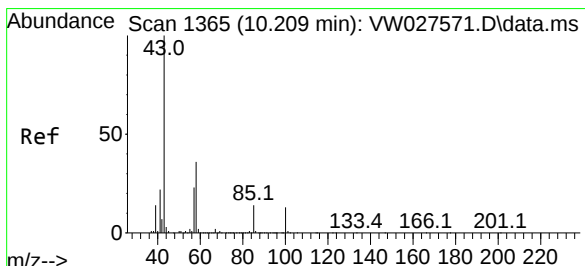
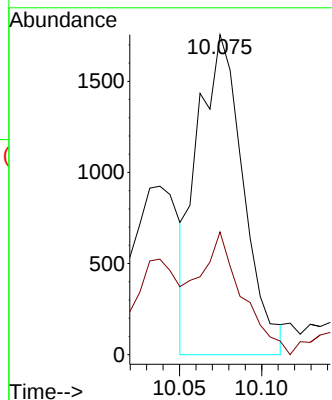
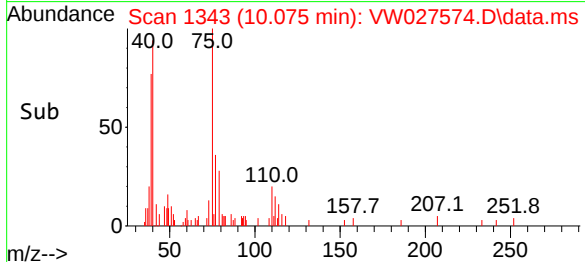
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



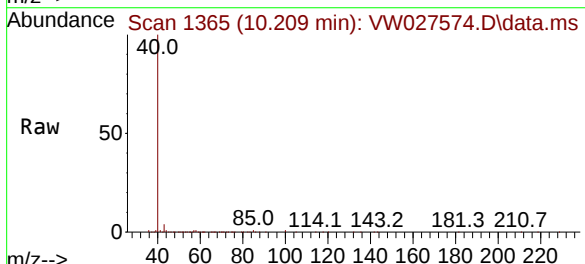
Tgt Ion: 75 Resp: 340
Ion Ratio Lower Upper
75 100
77 38.3 21.1 39.1

Manual Integrations
APPROVED

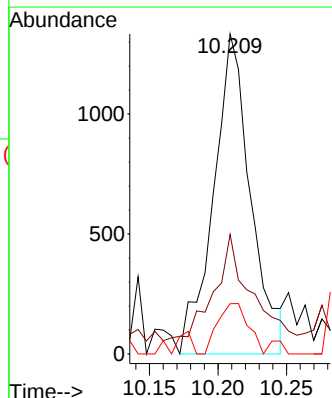
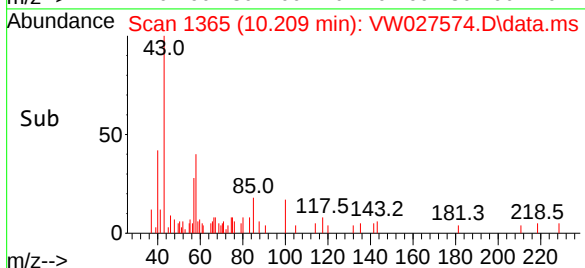
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

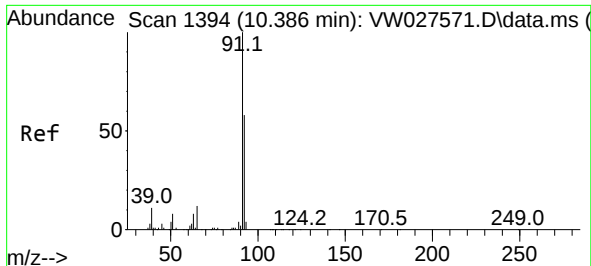


#40
4-Methyl-2-pentanone
Concen: 1.334 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



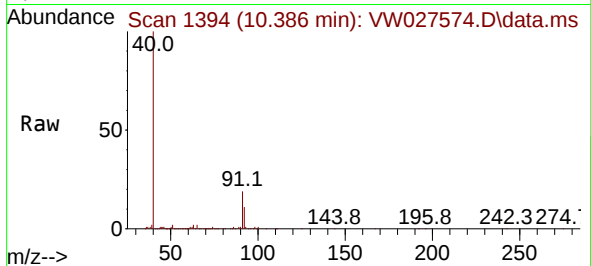
Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 38.5 29.6 44.4
100 12.9 11.1 16.7





#42
Toluene
Concen: 1.187 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

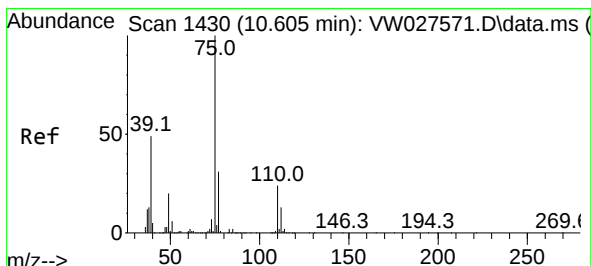
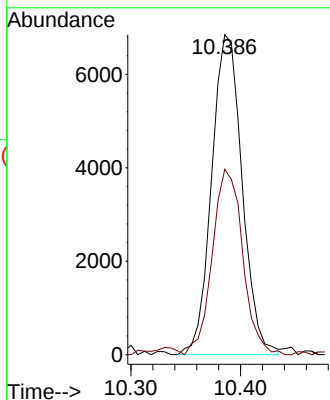
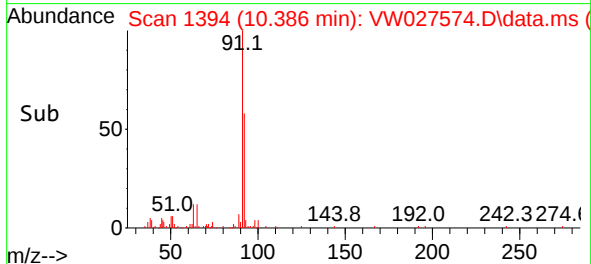
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



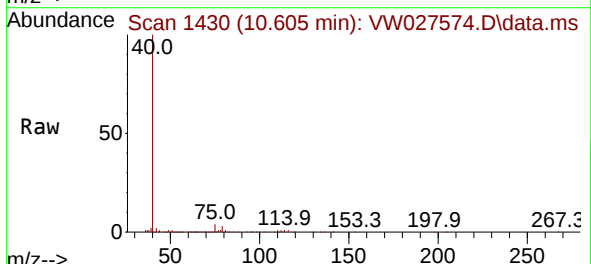
Tgt Ion: 91 Resp: 13240
Ion Ratio Lower Upper
91 100
92 58.0 41.4 76.8

Manual Integrations
APPROVED

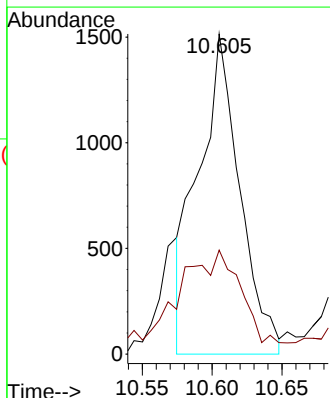
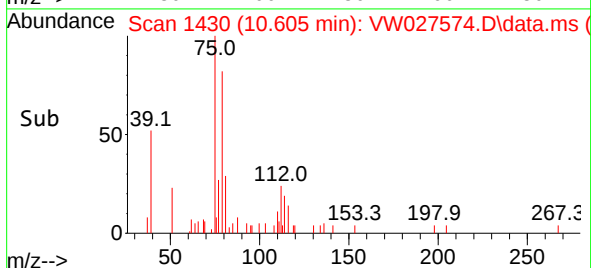
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

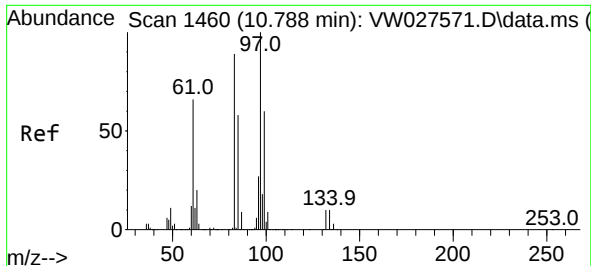


#44
trans-1,3-Dichloropropene
Concen: 0.964 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



Tgt Ion: 75 Resp: 3126
Ion Ratio Lower Upper
75 100
77 32.5 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 0.837 ug/L

RT: 10.794 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW027574.D

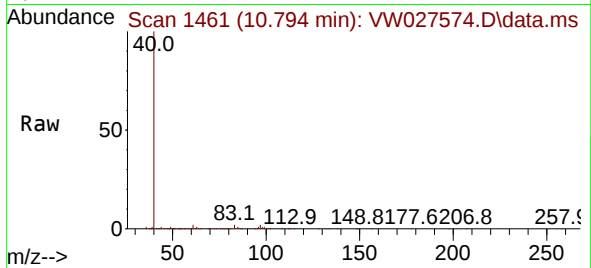
Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 97 Resp: 1624

Ion Ratio Lower Upper

97 100

99 59.5 42.8 79.4

83 83.0 59.9 111.3

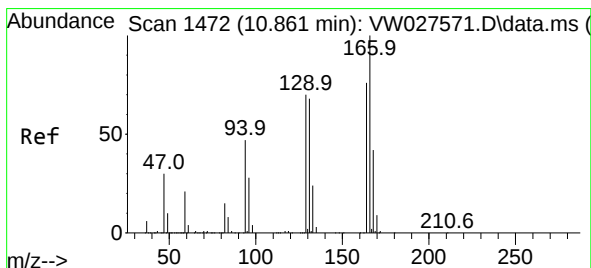
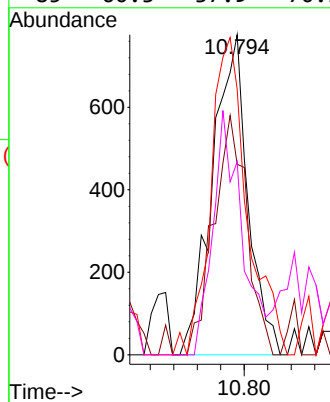
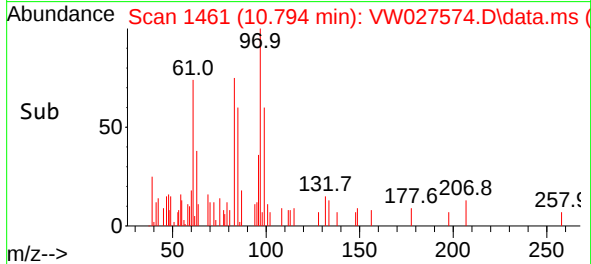
85 60.3 37.9 70.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#46

Tetrachloroethene

Concen: 1.528 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

Tgt Ion:164 Resp: 3139

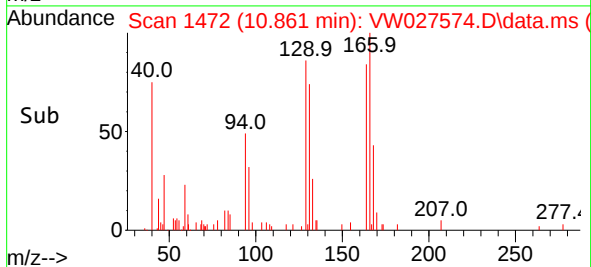
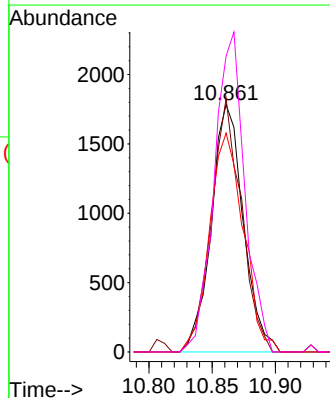
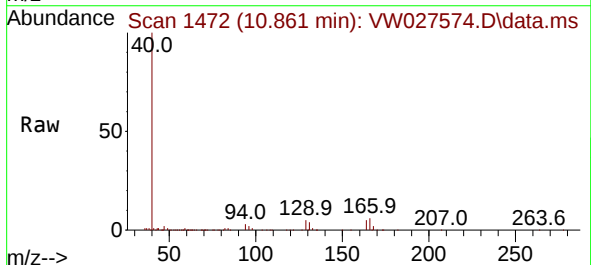
Ion Ratio Lower Upper

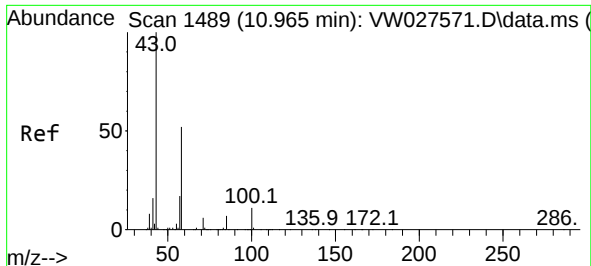
164 100

129 102.5 71.0 131.8

131 88.5 61.2 113.6

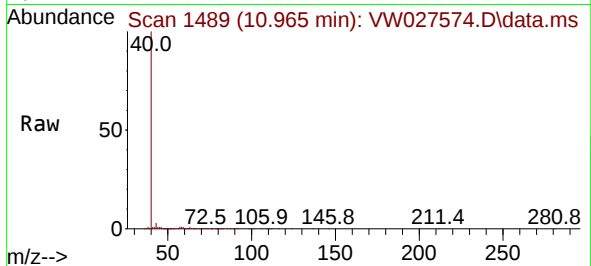
166 119.7 86.6 160.8





#48
2-Hexanone
Concen: 1.561 ug/L m
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

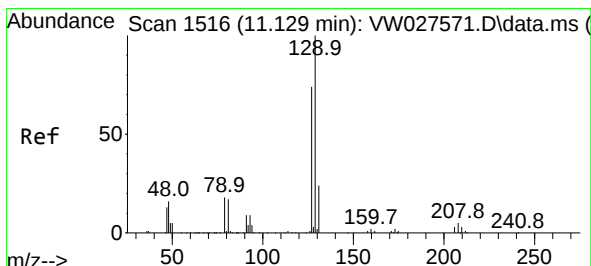
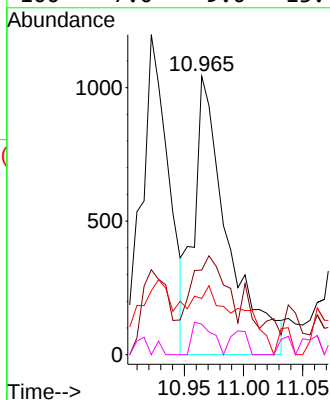
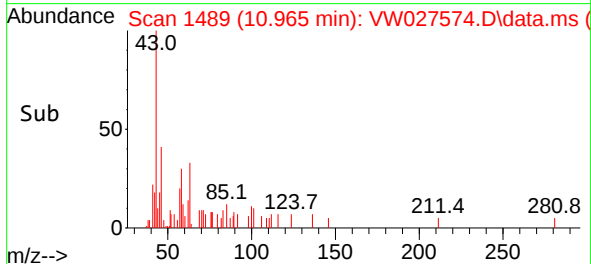
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 37.1 40.8 61.2
57 3.2 14.8 22.2
100 7.0 9.0 13.4#

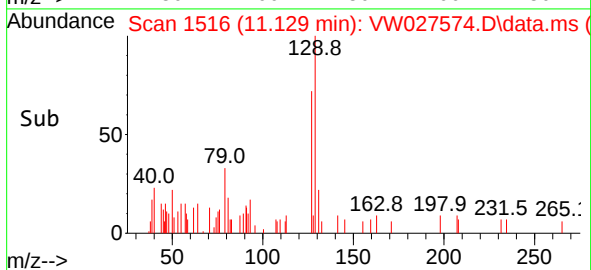
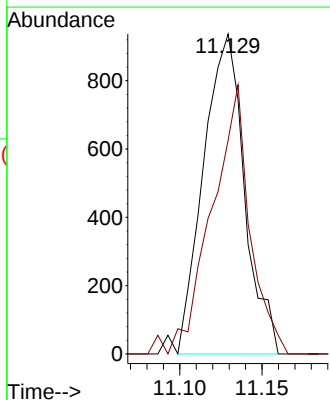
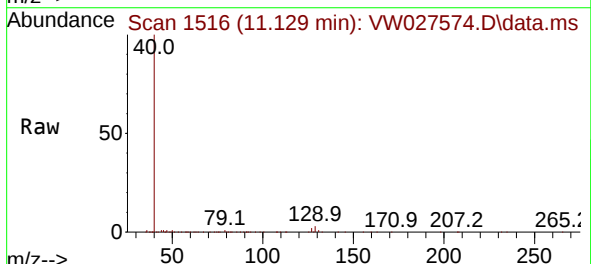
Manual Integrations
APPROVED

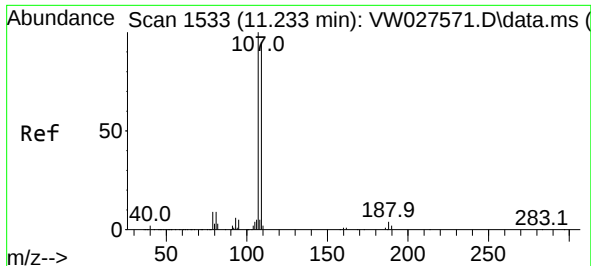
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#49
Dibromochloromethane
Concen: 0.846 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

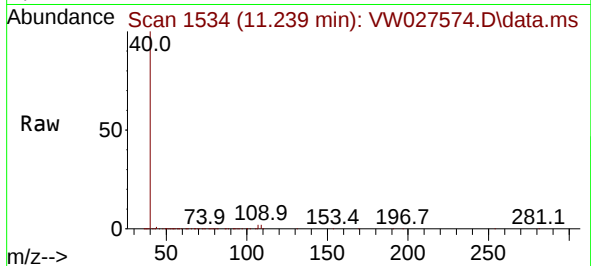
Tgt Ion:129 Resp: 1623
Ion Ratio Lower Upper
129 100
127 66.8 52.3 97.1





#50
1,2-Dibromoethane
Concen: 0.822 ug/L
RT: 11.239 min Scan# 1533
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

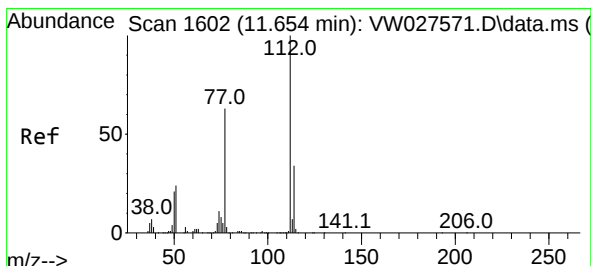
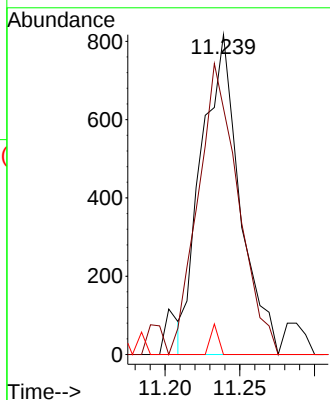
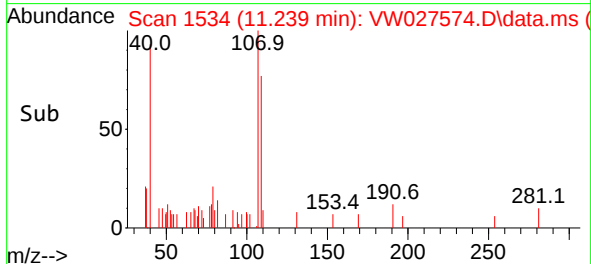
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:107 Resp: 1459
Ion Ratio Lower Upper
107 100
109 77.0 64.8 120.3
188 0.0 2.7 4.1

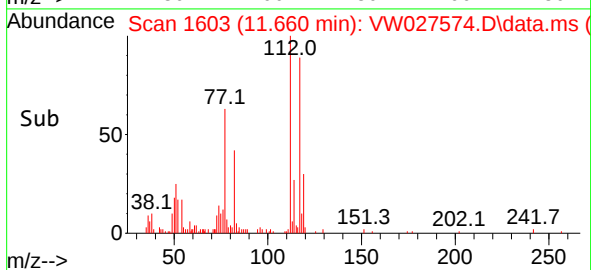
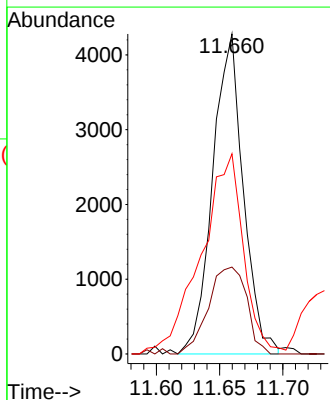
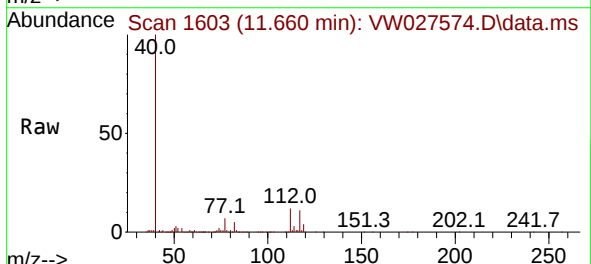
Manual Integrations
APPROVED

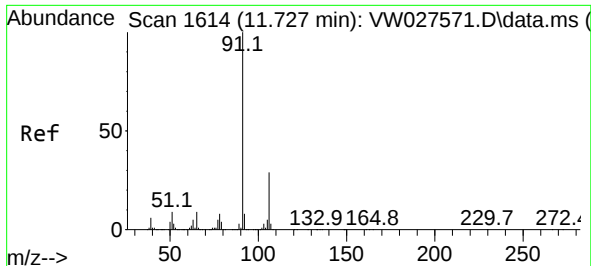
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#51
Chlorobenzene
Concen: 1.069 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

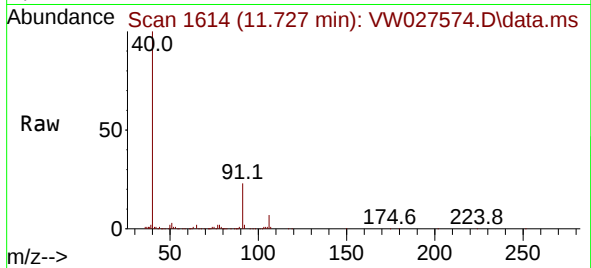
Tgt Ion:112 Resp: 7194
Ion Ratio Lower Upper
112 100
114 27.1 21.5 39.9
77 62.5 50.6 76.0





#52
Ethylbenzene
Concen: 1.180 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

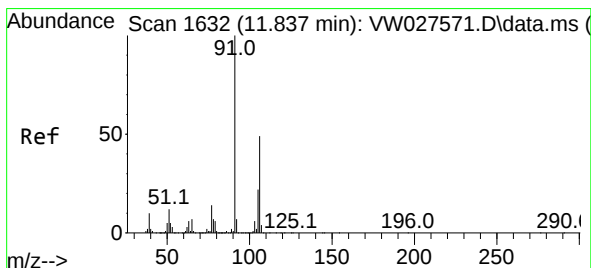
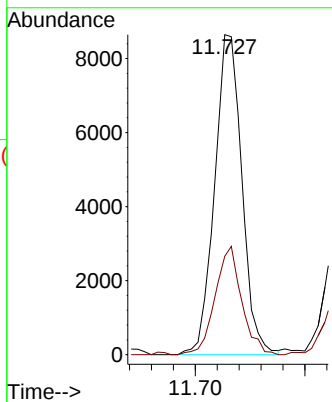
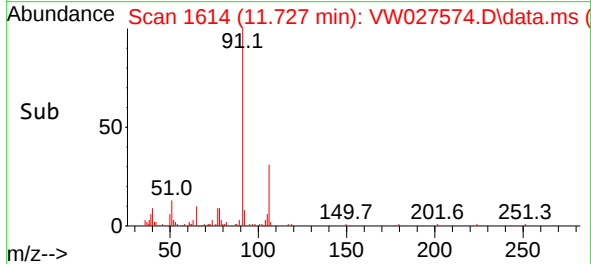
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



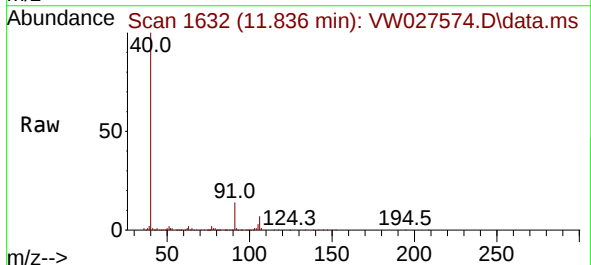
Tgt Ion: 91 Resp: 1495
Ion Ratio Lower Upper
91 100
106 30.7 19.5 36.1

Manual Integrations
APPROVED

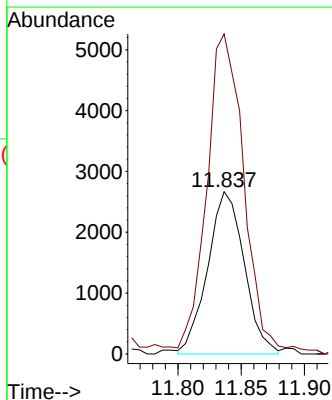
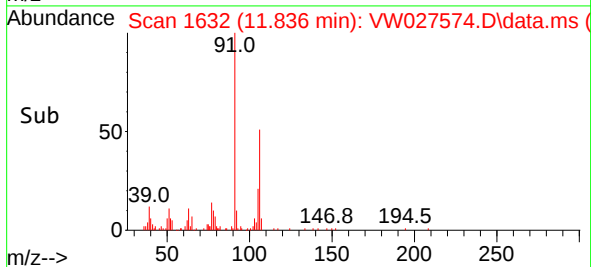
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

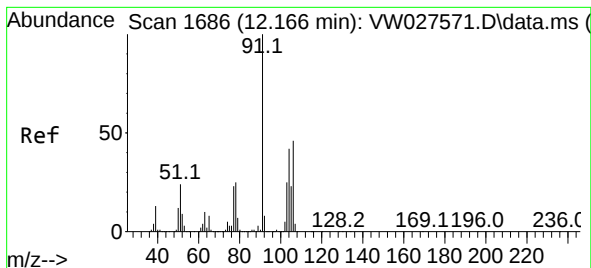


#53
m,p-Xylene
Concen: 1.148 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



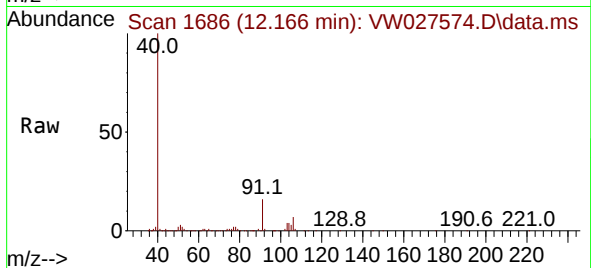
Tgt Ion:106 Resp: 5362
Ion Ratio Lower Upper
106 100
91 197.2 142.1 263.9





#54
o-Xylene
Concen: 1.001 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

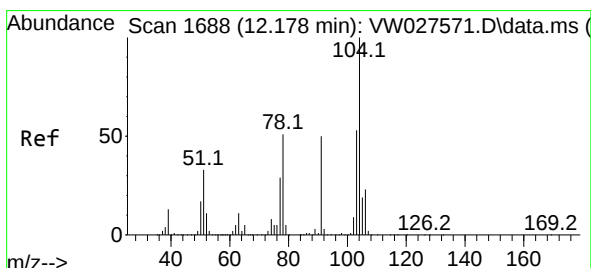
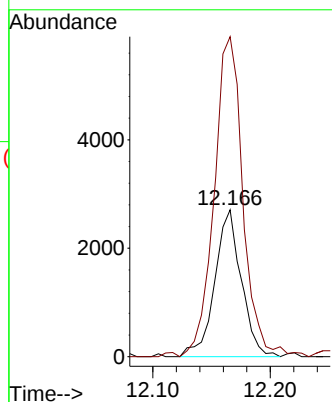
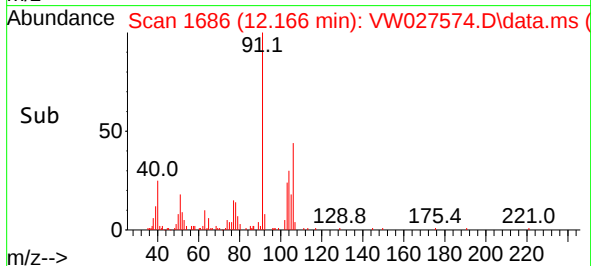
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:106 Resp: 425
Ion Ratio Lower Upper
106 100
91 217.8 158.8 295.0

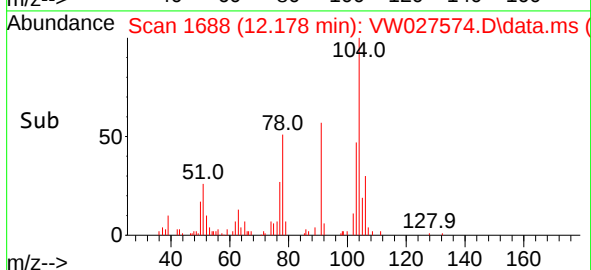
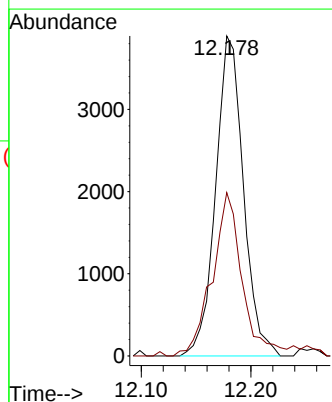
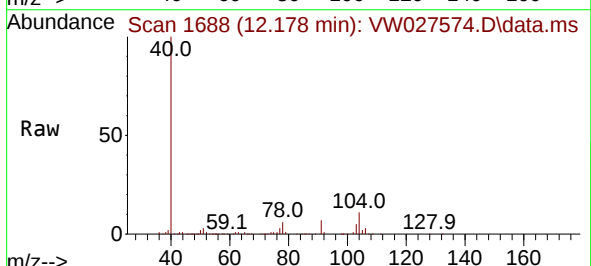
Manual Integrations
APPROVED

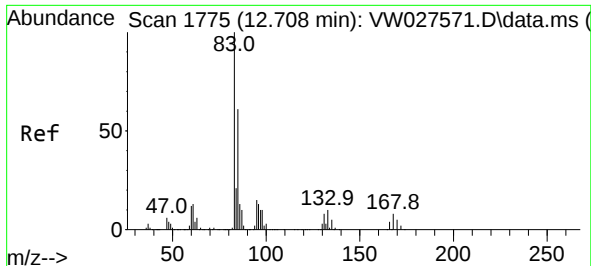
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#55
Styrene
Concen: 0.947 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Tgt Ion:104 Resp: 6861
Ion Ratio Lower Upper
104 100
78 51.1 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.883 ug/L

RT: 12.714 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

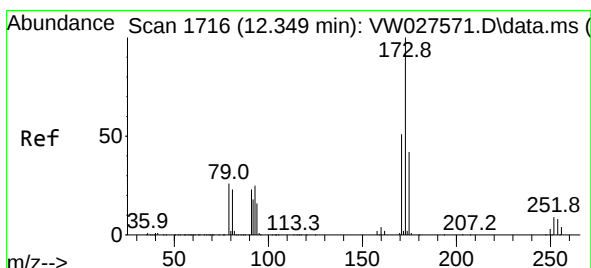
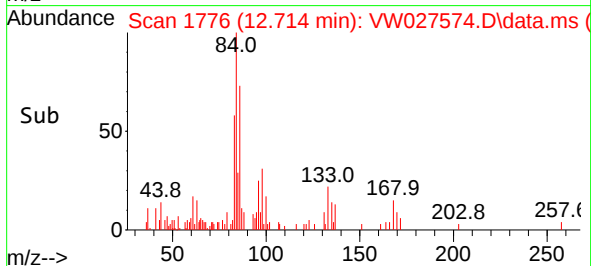
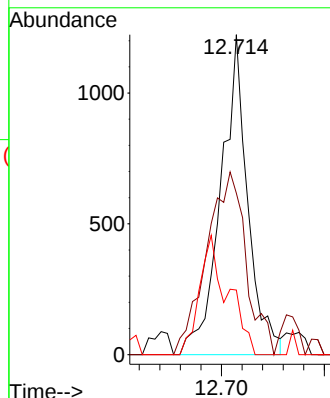
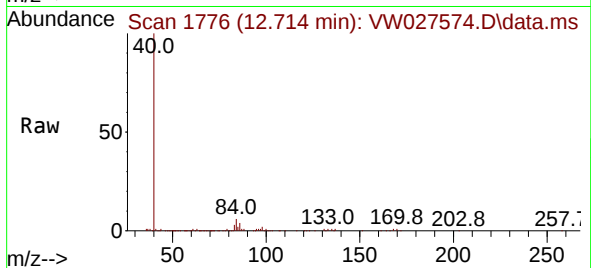
Tgt Ion: 83	Resp: 2230
Ion Ratio	Lower Upper
83 100	
85 50.4	41.9 77.7
131 20.2	7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#59

Bromoform

Concen: 1.057 ug/L

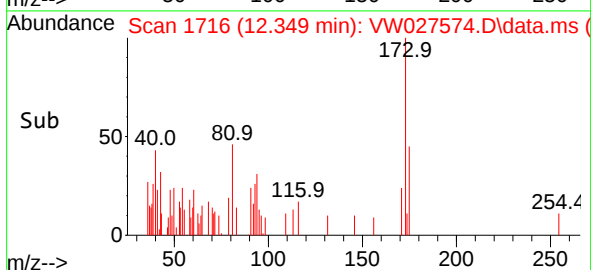
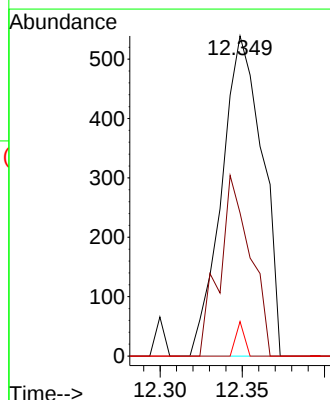
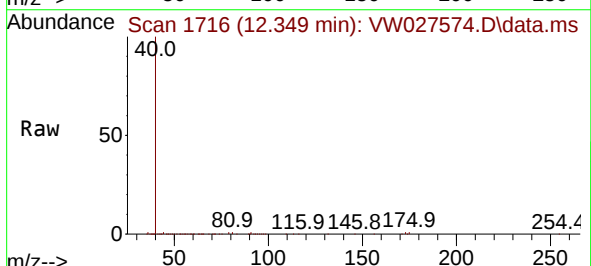
RT: 12.349 min Scan# 1716

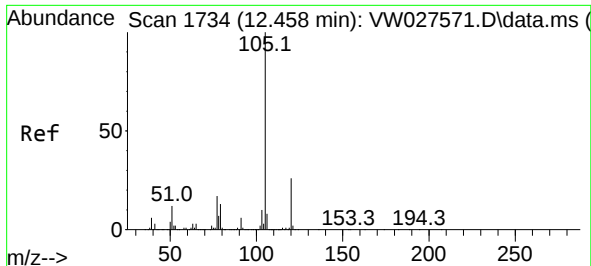
Delta R.T. -0.000 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

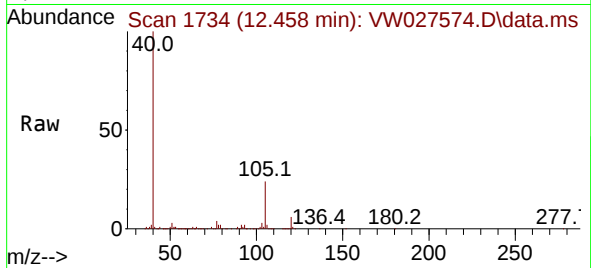
Tgt Ion:173	Resp: 928
Ion Ratio	Lower Upper
173 100	
175 43.1	39.4 59.0
254 0.0	7.8 11.8





#60
Isopropylbenzene
Concen: 1.438 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

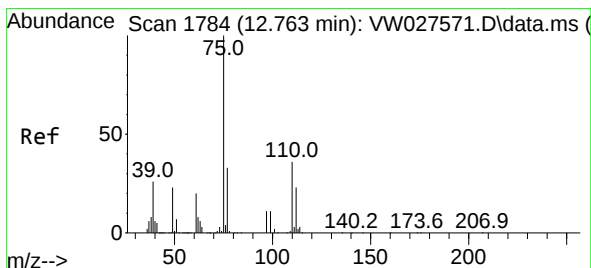
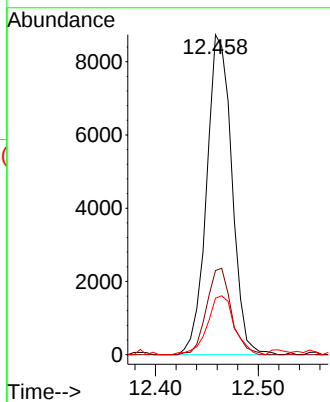
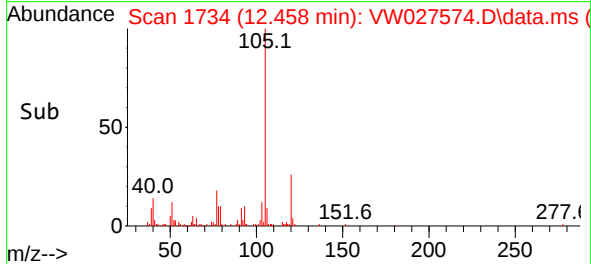
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion: 105 Resp: 1488
Ion Ratio Lower Upper
105 100
120 26.4 20.3 30.5
77 19.6 13.1 19.7

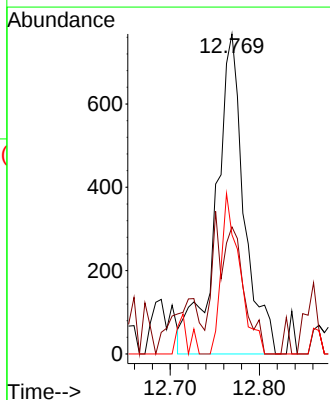
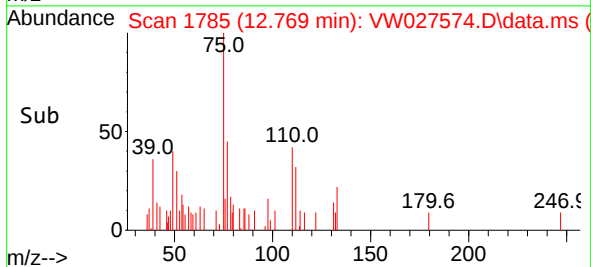
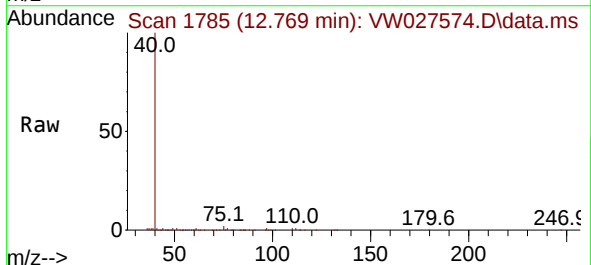
Manual Integrations
APPROVED

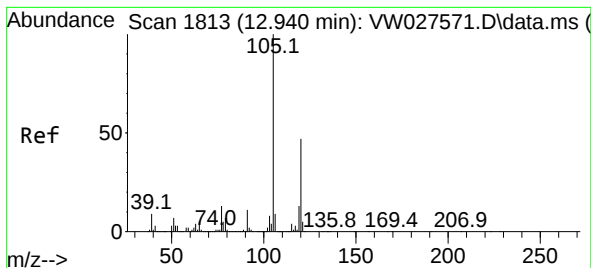
Reviewed By : Semsettin Yesilyurt 12/11/2023
Supervised By : Mahesh Dadoda 12/11/2023



#61
1,2,3-Trichloropropane
Concen: 1.123 ug/L m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

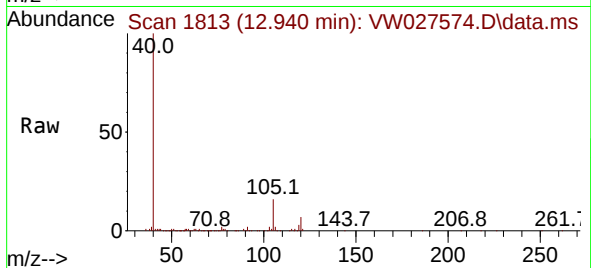
Tgt Ion: 75 Resp: 1698
Ion Ratio Lower Upper
75 100
77 25.0 26.6 39.8#
110 31.7 30.2 45.4





#62
1,3,5-Trimethylbenzene
Concen: 1.238 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

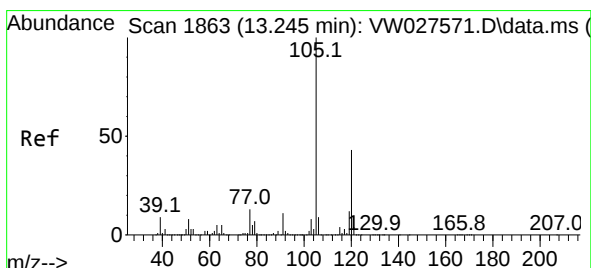
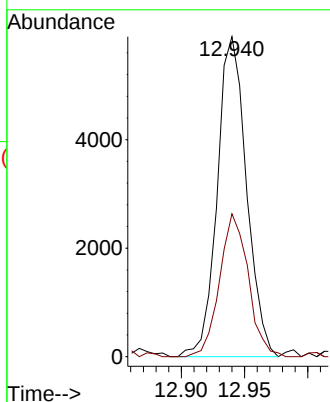
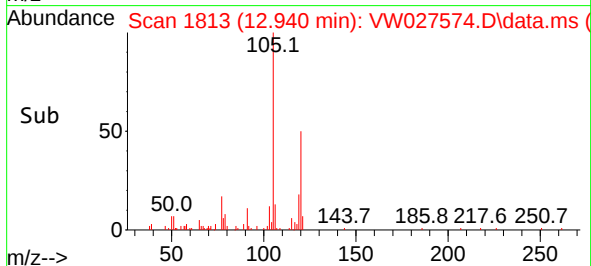
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



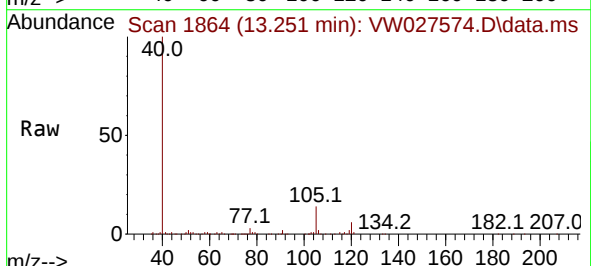
Tgt Ion:105 Resp: 948
Ion Ratio Lower Upper
105 100
120 43.7 38.7 58.1

Manual Integrations
APPROVED

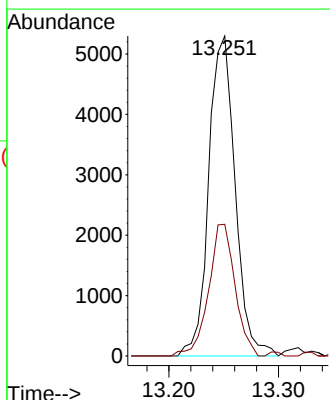
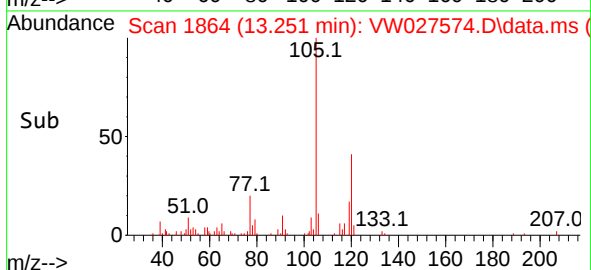
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

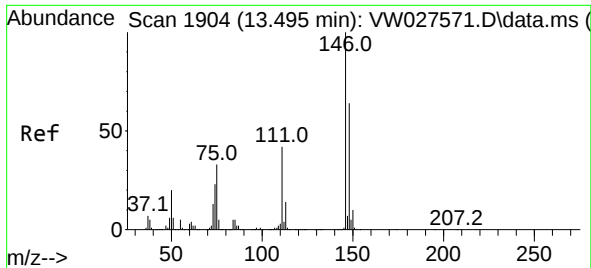


#63
1,2,4-Trimethylbenzene
Concen: 1.163 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



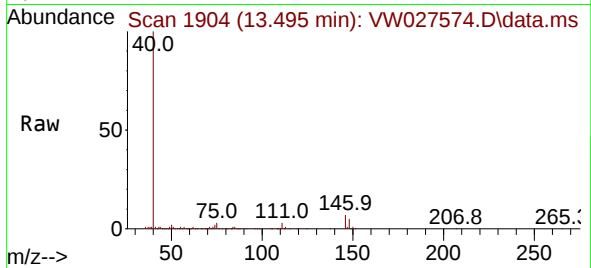
Tgt Ion:105 Resp: 8871
Ion Ratio Lower Upper
105 100
120 41.2 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 1.130 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

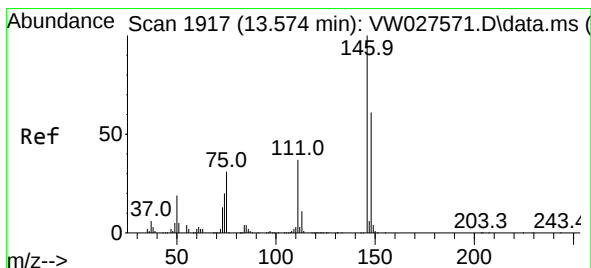
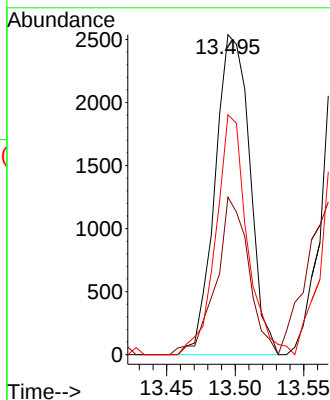
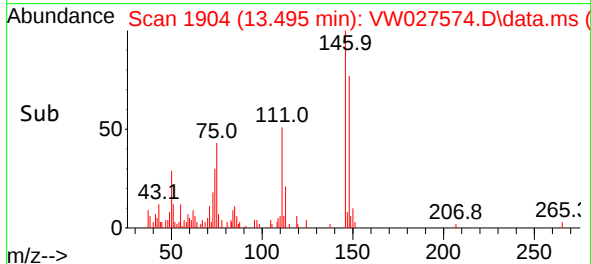
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



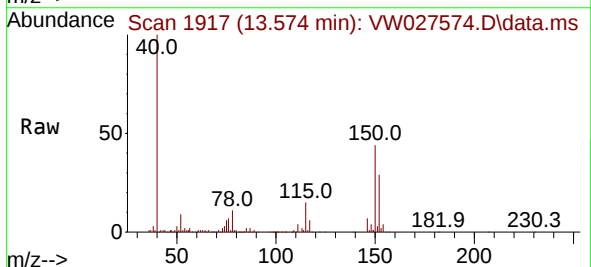
Tgt Ion:146 Resp: 448
Ion Ratio Lower Upper
146 100
111 49.2 29.5 54.7
148 75.0 42.8 79.6

Manual Integrations
APPROVED

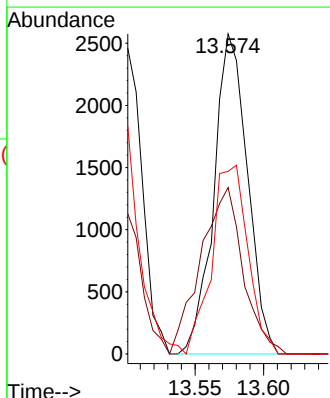
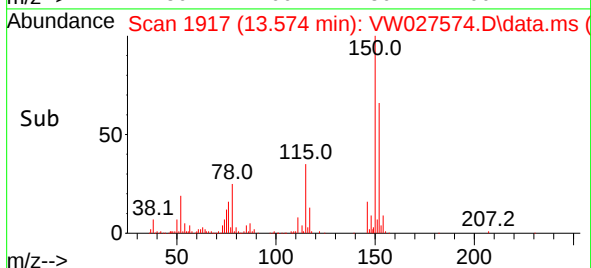
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

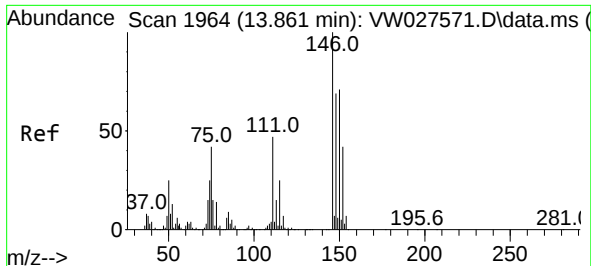


#65
1,4-Dichlorobenzene
Concen: 1.111 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27



Tgt Ion:146 Resp: 4393
Ion Ratio Lower Upper
146 100
111 52.0 28.9 53.7
148 57.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 1.005 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW027574.D

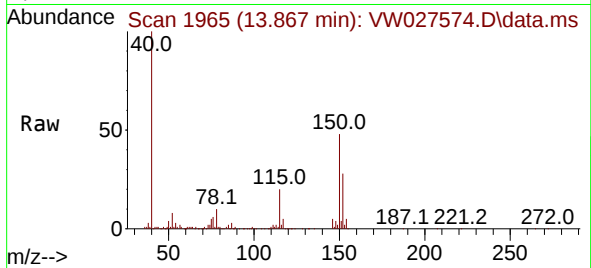
Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



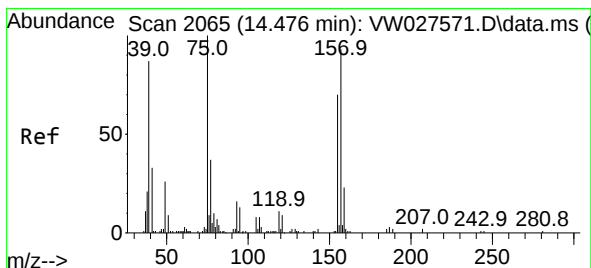
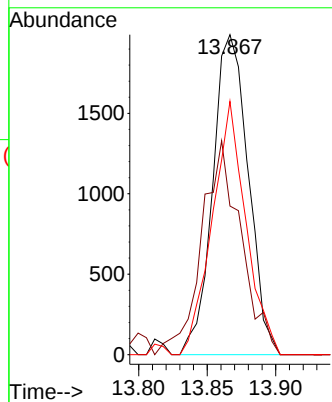
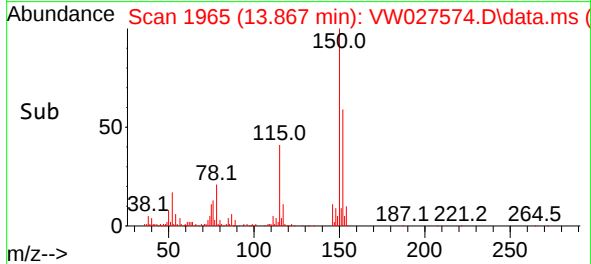
Tgt Ion:	146	Resp:	3590
Ion Ratio	Lower	Upper	
146	100		
111	46.5	33.9	50.9
148	79.1	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 1.647 ug/L m

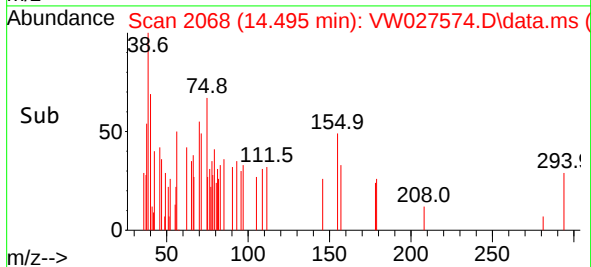
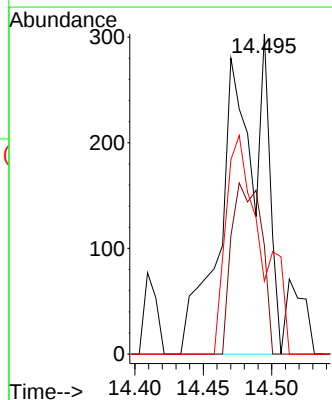
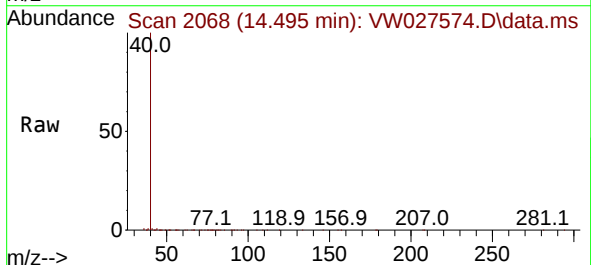
RT: 14.495 min Scan# 2068

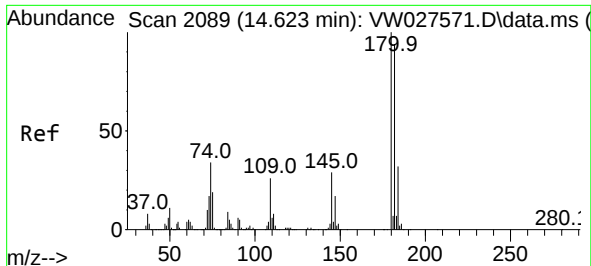
Delta R.T. 0.018 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

Tgt Ion:	75	Resp:	599
Ion Ratio	Lower	Upper	
75	100		
155	62.8	65.8	98.8#
157	42.1	63.0	94.6#





#69

1,3,5-Trichlorobenzene

Concen: 1.034 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW027574.D

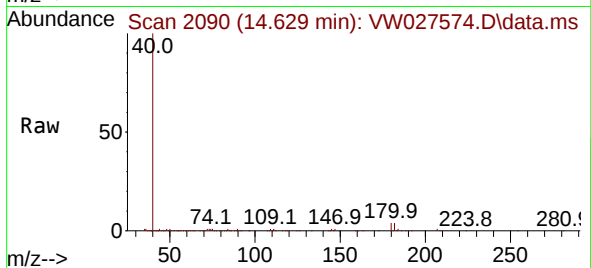
Acq: 07 Dec 2023 13:27

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 275

Ion Ratio Lower Upper

180 100

182 94.3 73.2 109.8

184 29.8 25.4 38.2

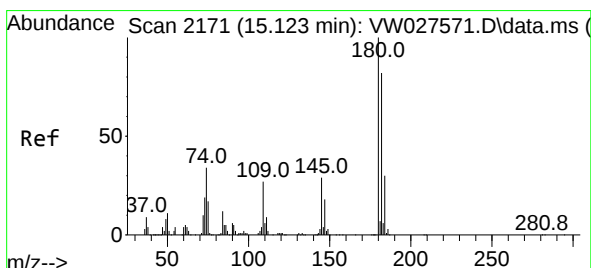
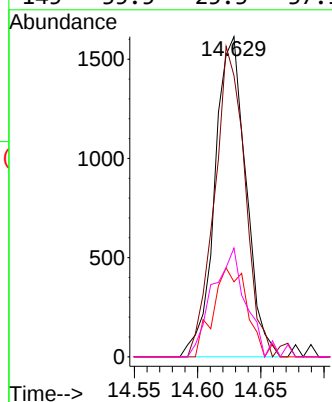
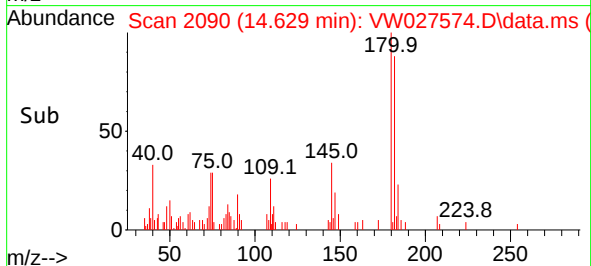
145 35.5 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#70

1,2,4-trichlorobenzene

Concen: 0.938 ug/L

RT: 15.135 min Scan# 2173

Delta R.T. 0.012 min

Lab File: VW027574.D

Acq: 07 Dec 2023 13:27

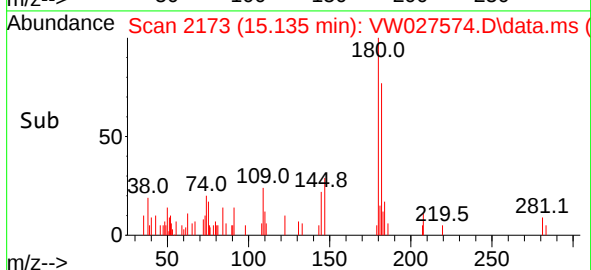
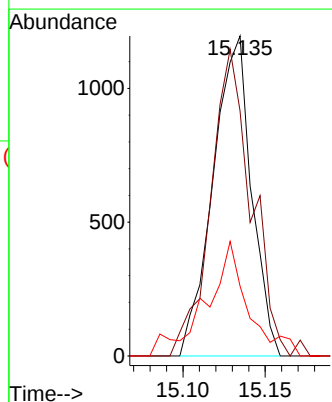
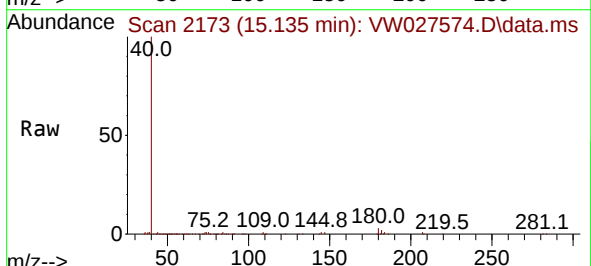
Tgt Ion:180 Resp: 1942

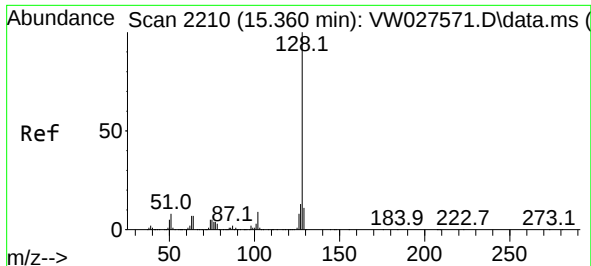
Ion Ratio Lower Upper

180 100

182 101.4 78.7 118.1

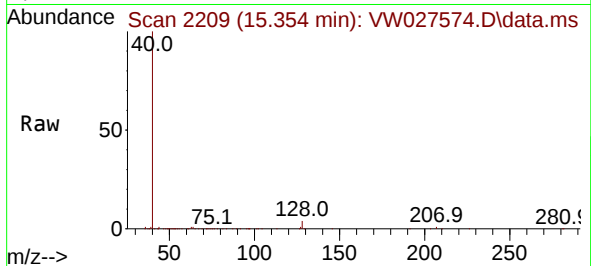
145 32.9 26.8 40.2





#71
Naphthalene
Concen: 0.729 ug/L
RT: 15.354 min Scan# 2210
Delta R.T. -0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

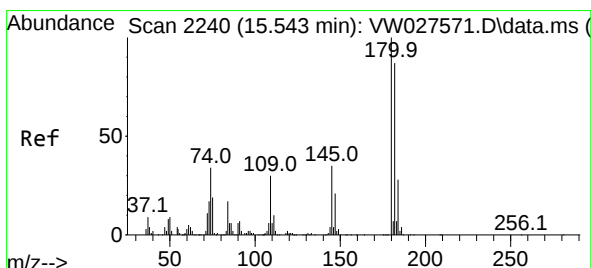
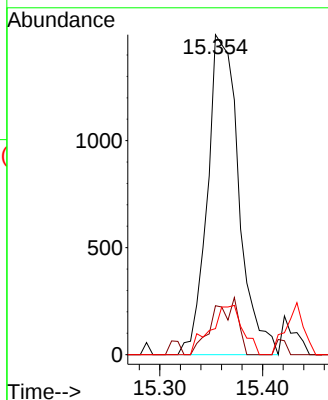
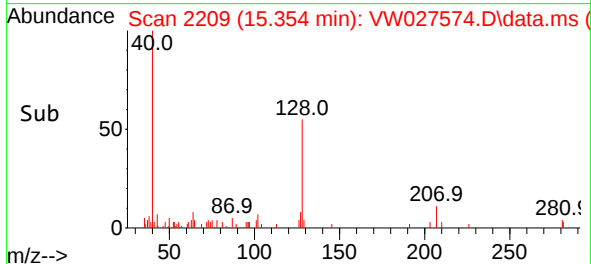
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:128 Resp: 317
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5
129 2.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#72
1,2,3-Trichlorobenzene
Concen: 0.908 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW027574.D
Acq: 07 Dec 2023 13:27

Tgt Ion:180 Resp: 1610
Ion Ratio Lower Upper
180 100
182 80.2 72.4 108.6
145 42.9 27.4 41.0

