

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100323\
 Data File : VW027207.D
 Acq On : 03 Oct 2023 17:55
 Operator : SY/MD
 Sample : 04696-03 1PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023
 Supervised By :Mahesh Dadoda 10/04/2023

Quant Time: Oct 04 02:26:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 01:37:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	569160	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	561001	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	295293	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	171754	19.207	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.840%
7) Chloroethane-d5	2.899	69	144963	20.511	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.040%
11) 1,1-Dichloroethene-d2	4.027	65	75137	20.223	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.880%
21) 2-Butanone-d5	7.075	46	88995	48.141	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.280%
24) Chloroform-d	7.648	84	345150	20.720	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.880%
26) 1,2-Dichloroethane-d4	8.307	65	179677	22.508	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.040%
32) Benzene-d6	8.276	84	718577	20.900	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	9.276	67	224702	21.830	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.320%
41) Toluene-d8	10.325	98	637154	21.001	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	10.575	79	89025	22.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.160%
47) 2-Hexanone-d5	10.922	63	77191	49.023	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.040%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	185738	23.578	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	226497	22.876	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.027	85	7206m	0.974	ug/L	
3) Chloromethane	2.223	50	9319	0.934	ug/L	88
5) Vinyl chloride	2.381	62	11403	1.046	ug/L #	71
6) Bromomethane	2.789	94	7549	1.051	ug/L	80
8) Chloroethane	2.936	64	6857	1.037	ug/L	98
9) Trichlorofluoromethane	3.265	101	7247	0.791	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	11680m	1.267	ug/L	
12) 1,1-Dichloroethene	4.045	96	10118	1.149	ug/L #	1
13) Acetone	4.131	43	6823m	2.987	ug/L	
14) Carbon disulfide	4.393	76	27691	0.937	ug/L	97
15) Methyl Acetate	4.686	43	5119m	1.337	ug/L	
16) Methylene chloride	4.923	84	76691	6.883	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	8997	0.950	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	11610m	0.979	ug/L	
19) 1,1-Dichloroethane	6.222	63	17328	0.981	ug/L	96
20) cis-1,2-Dichloroethene	7.167	96	9384	0.929	ug/L	90
23) Bromochloromethane	7.526	128	4419	0.959	ug/L	85
25) Chloroform	7.679	83	19488	1.131	ug/L	99
27) 1,2-Dichloroethane	8.404	62	12080	1.144	ug/L	96

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Manual Integrations APPROVED

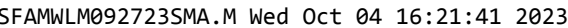
Reviewed By :Semsettin Yesilyurt 10/04/2023
 Supervised By :Mahesh Dadoda 10/04/2023

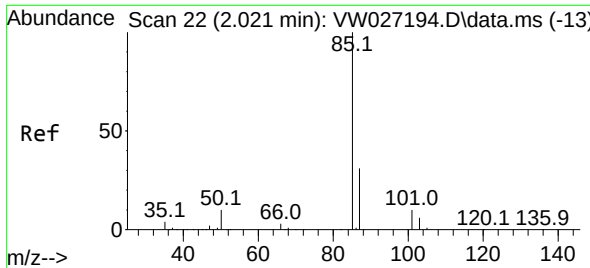
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	11149	0.747	ug/L	86
30) 1,1,1-Trichloroethane	7.868	97	13431	0.963	ug/L	95
31) Carbon tetrachloride	8.069	117	13024	0.989	ug/L	98
33) Benzene	8.325	78	39252	0.990	ug/L	100
34) Trichloroethene	9.099	95	10581	1.022	ug/L	89
35) Methylcyclohexane	9.331	83	14198	0.815	ug/L	89
37) 1,2-Dichloropropane	9.374	63	10261	1.004	ug/L	99
38) Bromodichloromethane	9.648	83	12726	1.037	ug/L	94
39) cis-1,3-Dichloropropene	10.069	75	14200	0.943	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	9234	1.863	ug/L #	91
42) Toluene	10.386	91	41357	1.016	ug/L	90
44) trans-1,3-Dichloropropene	10.605	75	13060m	1.059	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	8411	1.138	ug/L	85
46) Tetrachloroethene	10.861	164	10086	1.239	ug/L	95
48) 2-Hexanone	10.971	43	8629	2.221	ug/L #	92
49) Dibromochloromethane	11.123	129	8025	1.001	ug/L	91
50) 1,2-Dibromoethane	11.233	107	7174	1.046	ug/L #	94
51) Chlorobenzene	11.654	112	25994	0.962	ug/L	97
52) Ethylbenzene	11.727	91	40835	0.893	ug/L	96
53) m,p-Xylene	11.837	106	15083	0.860	ug/L	89
54) o-Xylene	12.166	106	13444	0.820	ug/L	99
55) Styrene	12.184	104	22526	0.799	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.715	83	9931	1.120	ug/L #	96
59) Bromoform	12.349	173	5020	1.077	ug/L #	80
60) Isopropylbenzene	12.465	105	34713	0.798	ug/L	97
61) 1,2,3-Trichloropropane	12.769	75	7384	1.221	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	26773	0.785	ug/L	95
63) 1,2,4-Trimethylbenzene	13.245	105	25133	0.752	ug/L	96
64) 1,3-Dichlorobenzene	13.501	146	19180	0.956	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	23309	1.156	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	20589	1.170	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.483	75	1581	1.221	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	13982m	1.082	ug/L	
70) 1,2,4-trichlorobenzene	15.129	180	12052	1.182	ug/L	95
71) Naphthalene	15.360	128	20052	1.115	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	11104	1.227	ug/L	96

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

Manual Integrations APPROVED

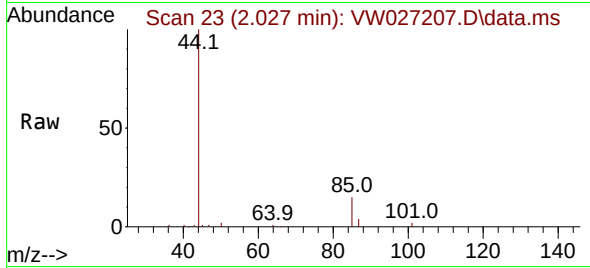
Quant Time: Oct 04 02:26:29 2023
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Quant Title : SFAM01.0
QLast Update : Wed Oct 04 01:37:43 2023
Response via : Initial Calibration





#2
Dichlorodifluoromethane
Concen: 0.974 ug/L m
RT: 2.027 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

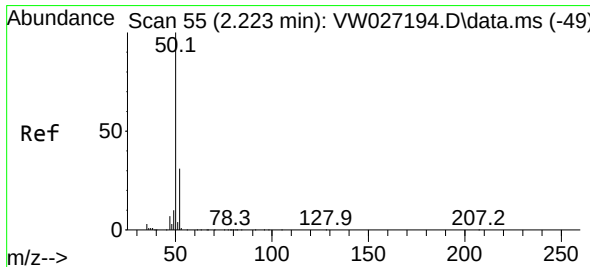
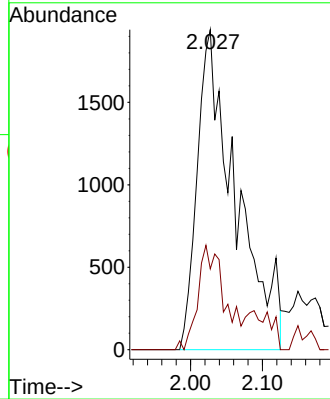
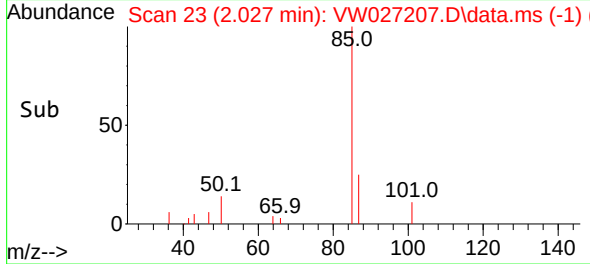
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 85 Resp: 7200
Ion Ratio Lower Upper
85 100
87 5.1 22.1 33.1

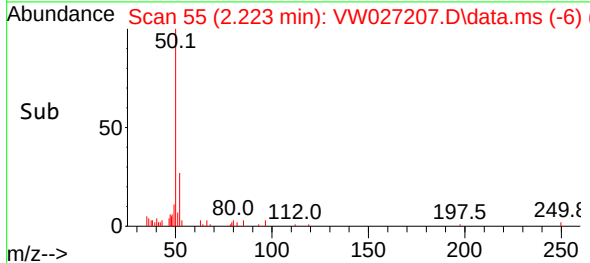
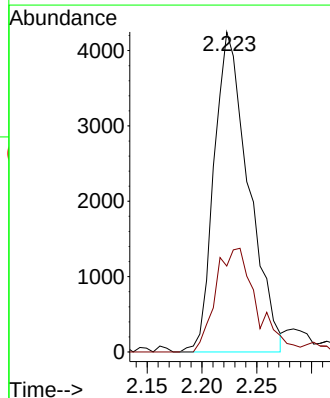
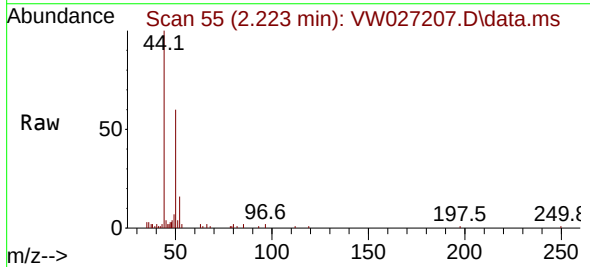
Manual Integrations
APPROVED

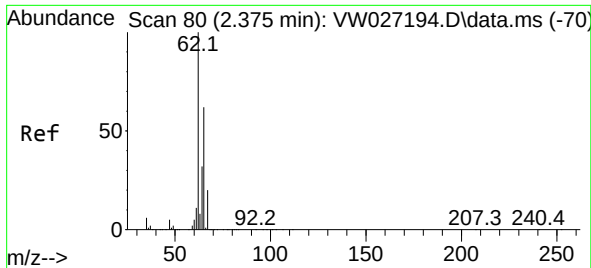
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#3
Chloromethane
Concen: 0.934 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 50 Resp: 9319
Ion Ratio Lower Upper
50 100
52 26.9 23.5 43.7





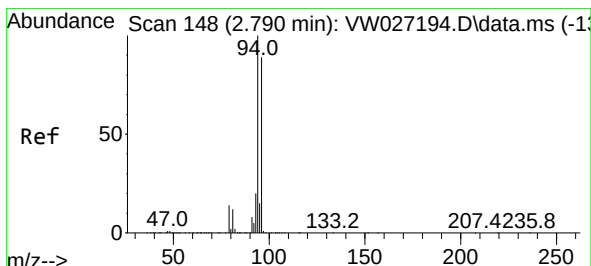
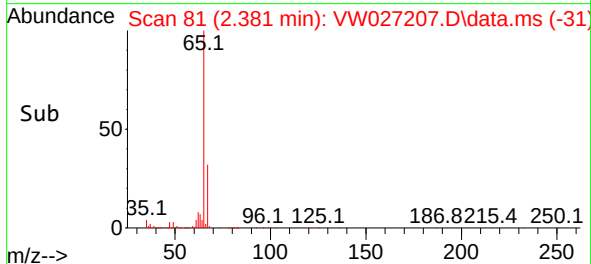
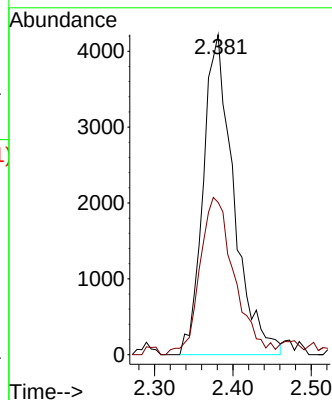
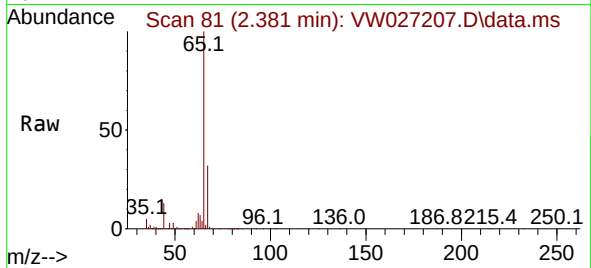
#5
 Vinyl chloride
 Concen: 1.046 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW027207.D
 Acq: 03 Oct 2023 17:55

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

Tgt Ion: 62 Resp: 1140
 Ion Ratio Lower Upper
 62 100
 64 47.6 22.2 41.2

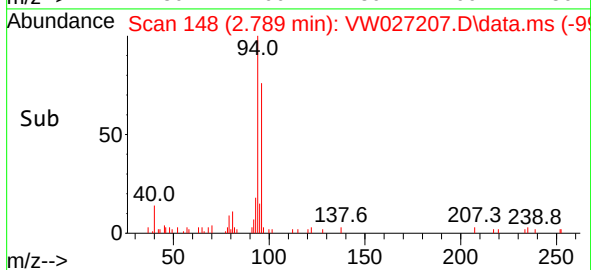
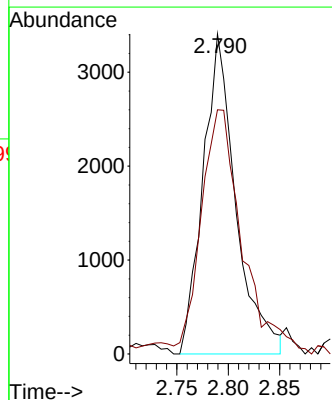
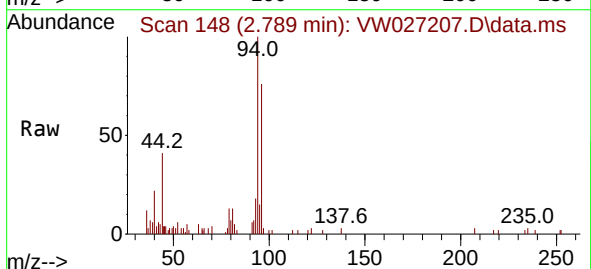
Manual Integrations
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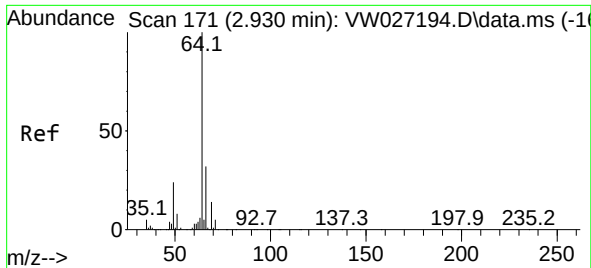
Reviewed By :Semsettin Yesilyurt 10/04/2023
 Supervised By :Mahesh Dadoda 10/04/2023



#6
 Bromomethane
 Concen: 1.051 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW027207.D
 Acq: 03 Oct 2023 17:55

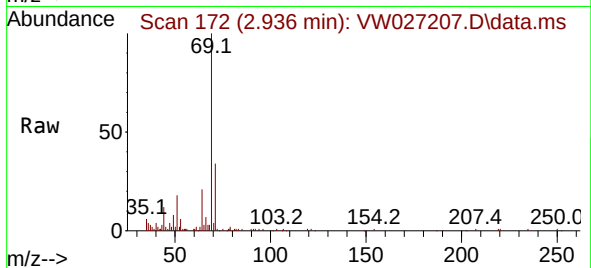
Tgt Ion: 94 Resp: 7549
 Ion Ratio Lower Upper
 94 100
 96 76.3 66.8 124.0





#8
Chloroethane
Concen: 1.037 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

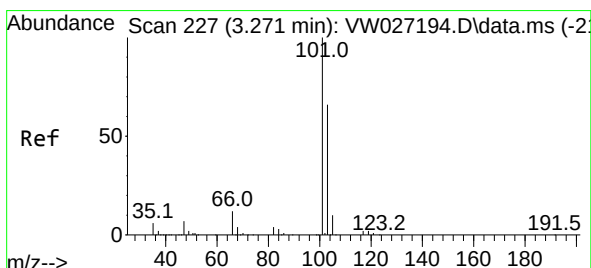
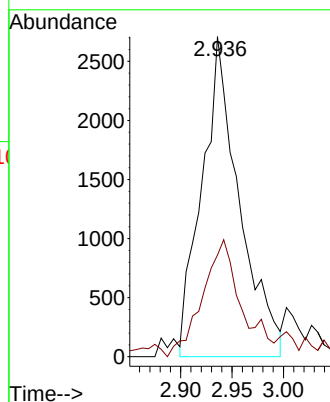
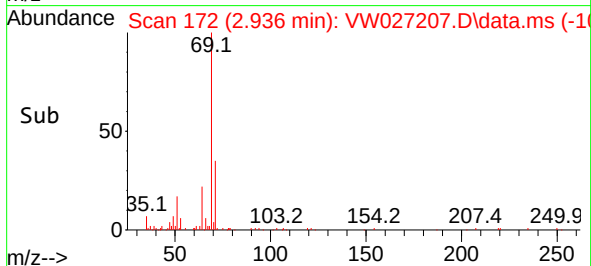
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 31.7 21.5 39.9

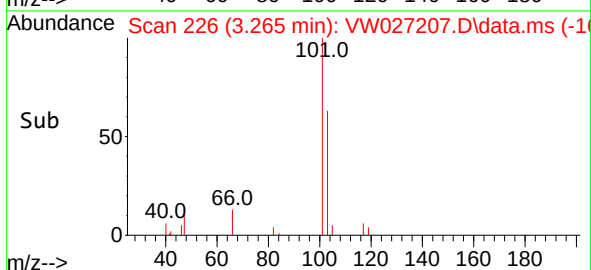
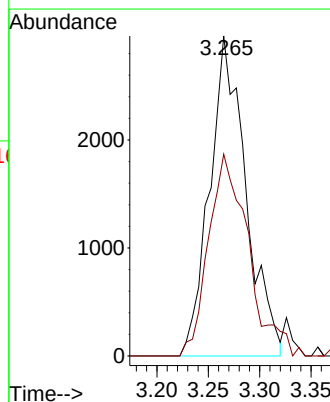
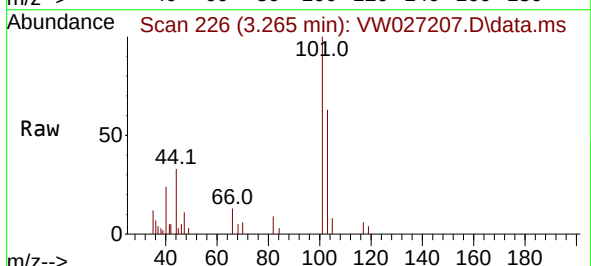
Manual Integrations
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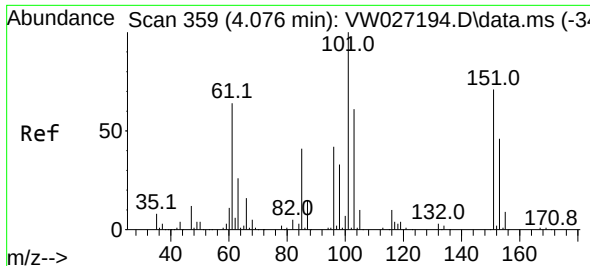
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#9
Trichlorofluoromethane
Concen: 0.791 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion:101 Resp: 7247
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0





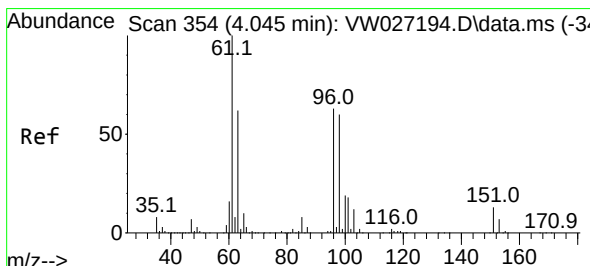
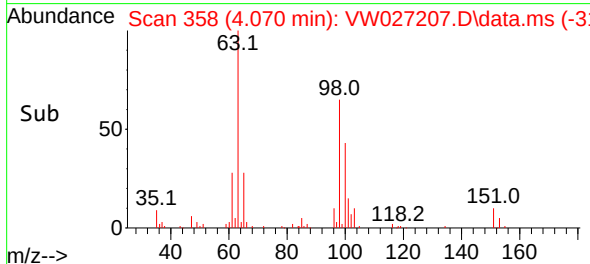
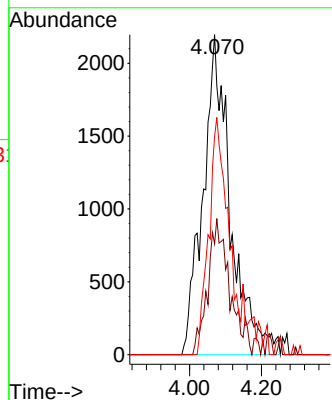
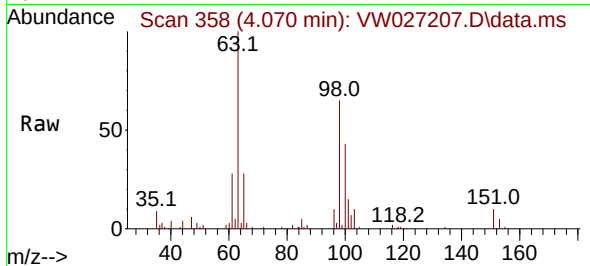
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.267 ug/L m
RT: 4.070 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

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

Tgt Ion:101 Resp: 11680
Ion Ratio Lower Upper
101 100
85 17.6 33.1 49.7
151 51.3 58.6 87.8

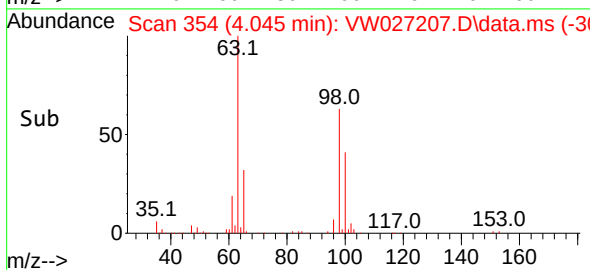
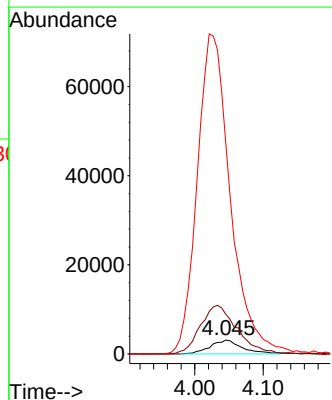
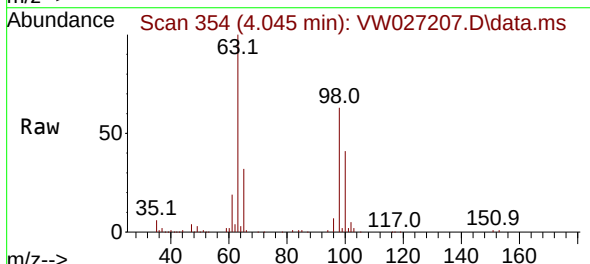
Manual Integrations
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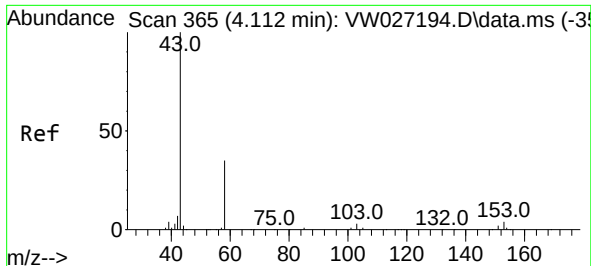
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#12
1,1-Dichloroethene
Concen: 1.149 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 96 Resp: 10118
Ion Ratio Lower Upper
96 100
61 283.6 109.8 204.0#
63 1504.7 76.9 142.7#





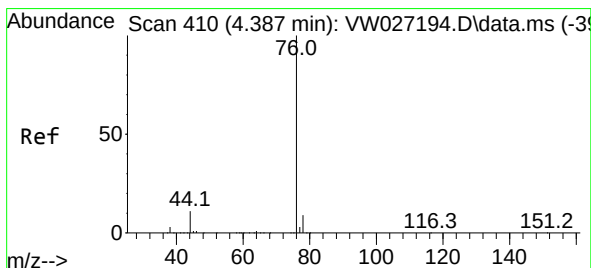
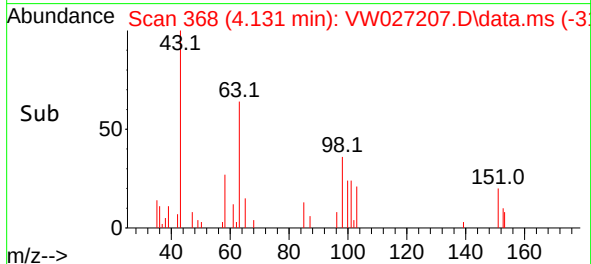
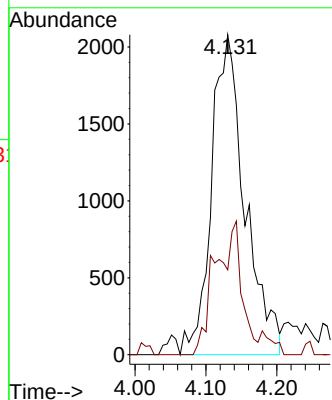
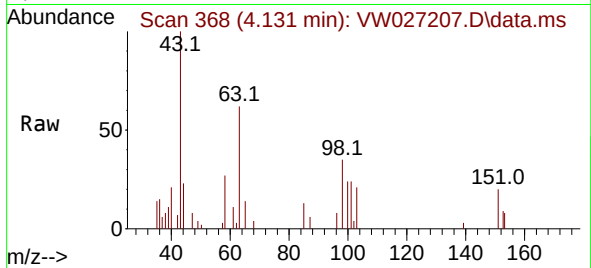
#13
Acetone
Concen: 2.987 ug/L m
RT: 4.131 min Scan# 368
Delta R.T. 0.018 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

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

Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
58 0.9 0.0 70.4

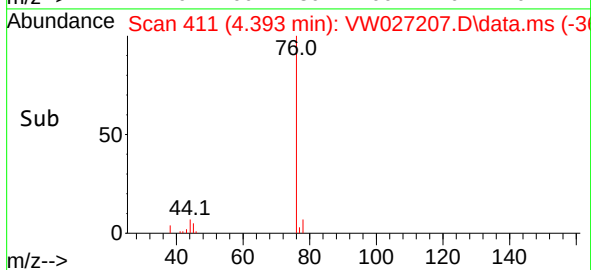
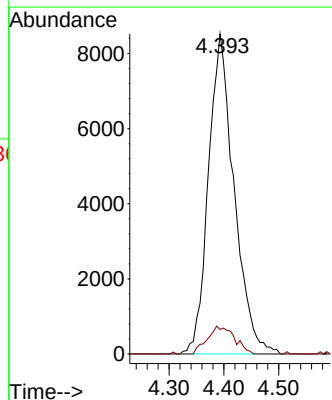
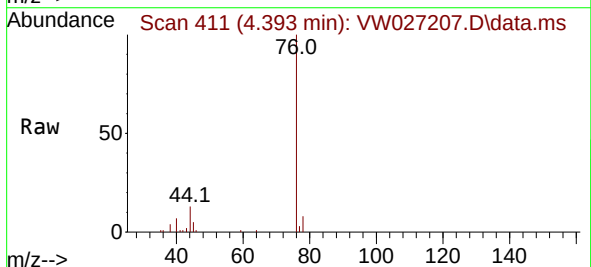
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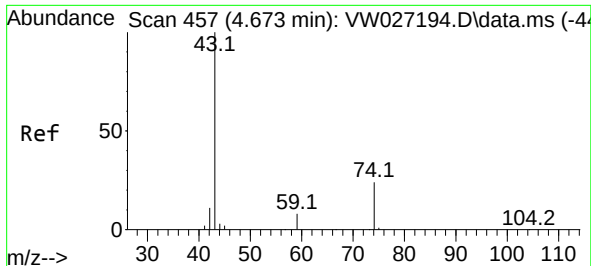
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#14
Carbon disulfide
Concen: 0.937 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

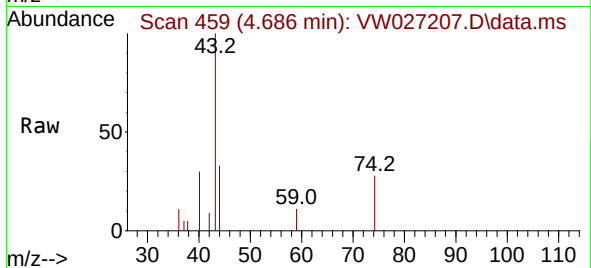
Tgt Ion: 76 Resp: 27691
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.6





#15
Methyl Acetate
Concen: 1.337 ug/L m
RT: 4.686 min Scan# 459
Delta R.T. 0.012 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

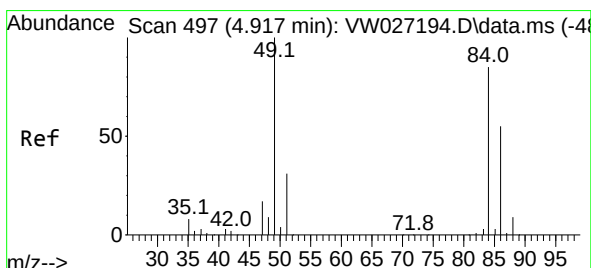
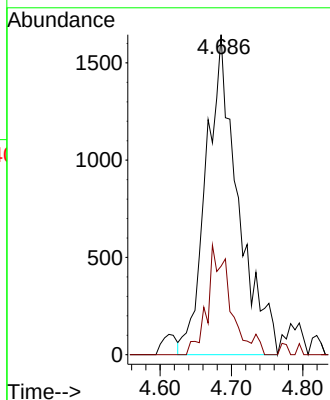
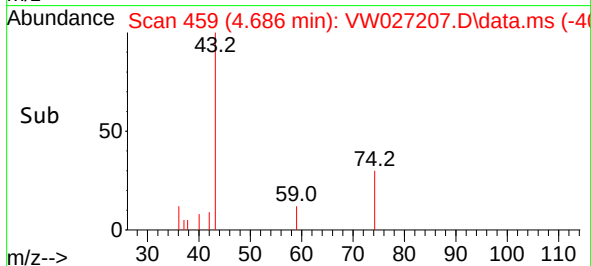
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 5119
Ion Ratio Lower Upper
43 100
74 1.2 20.8 31.2

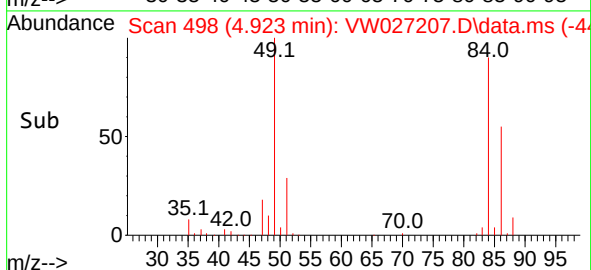
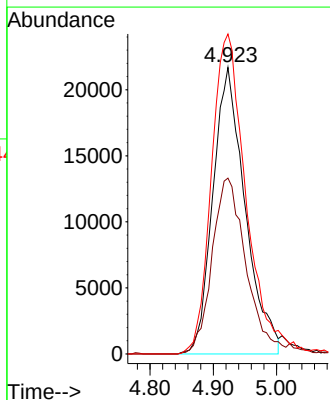
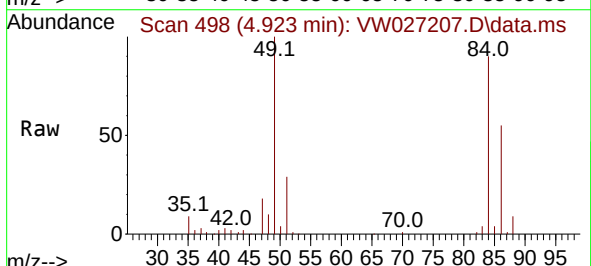
Manual Integrations
APPROVED

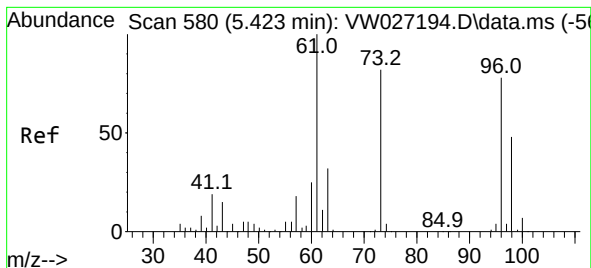
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#16
Methylene chloride
Concen: 6.883 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 84 Resp: 76691
Ion Ratio Lower Upper
84 100
86 61.3 45.1 83.9
49 111.7 80.9 150.3





#17

trans-1,2-Dichloroethene

Concen: 0.950 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

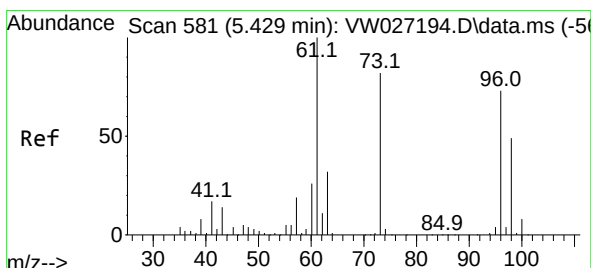
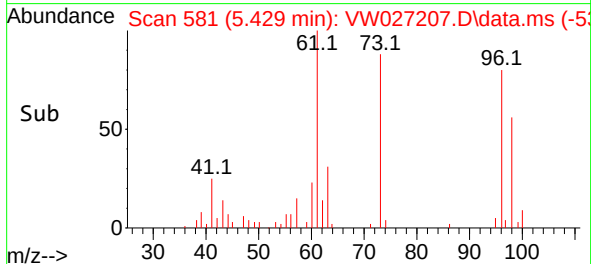
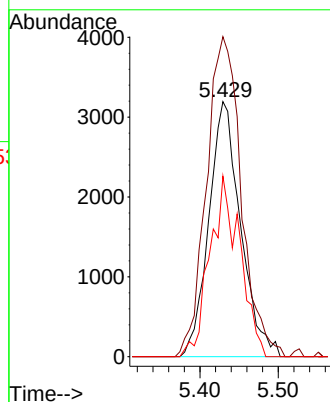
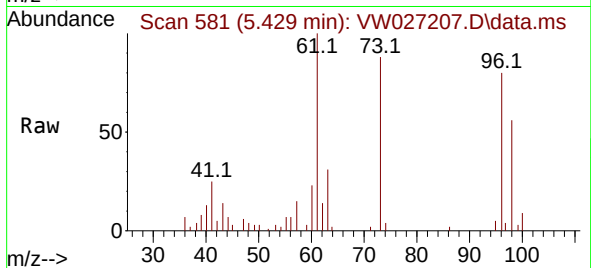
MDL-SOIL-QT4-2023-07

Tgt Ion:	96	Resp:	899
Ion	Ratio	Lower	Upper
96	100		
61	125.5	93.5	173.7
98	70.8	43.3	80.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#18

Methyl tert-butyl Ether

Concen: 0.979 ug/L m

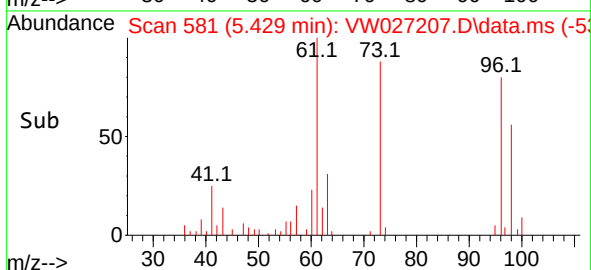
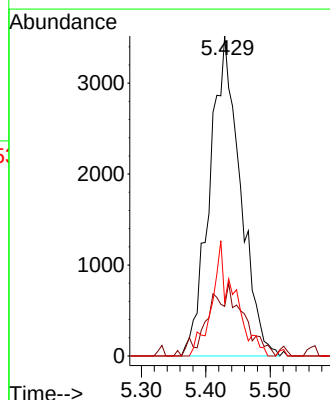
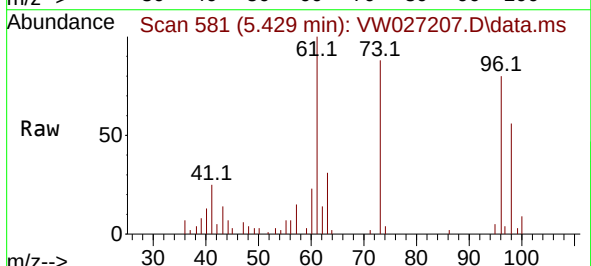
RT: 5.429 min Scan# 581

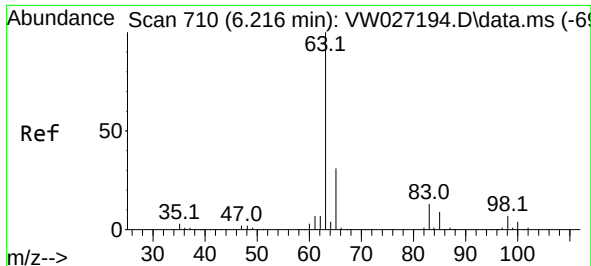
Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Tgt Ion:	73	Resp:	11610
Ion	Ratio	Lower	Upper
73	100		
43	1.0	14.2	21.2#
57	10.2	18.3	27.5#





#19

1,1-Dichloroethane

Concen: 0.981 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

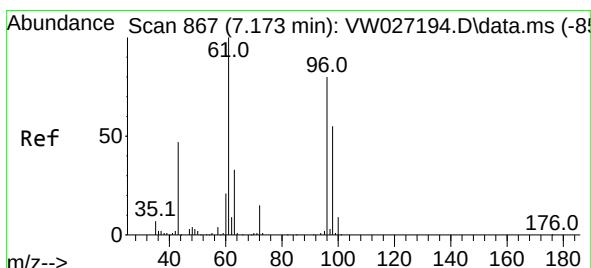
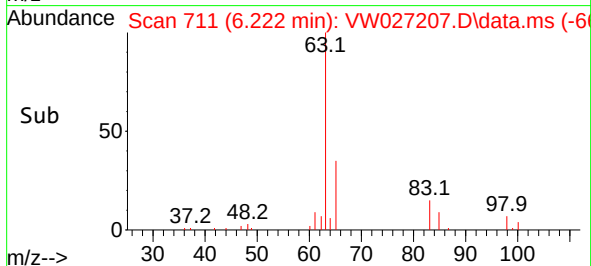
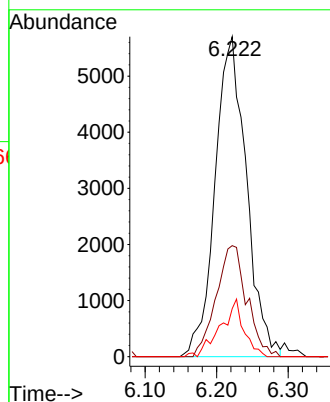
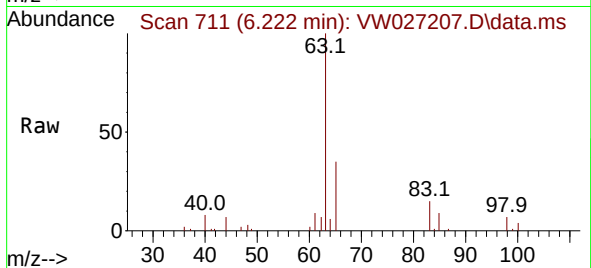
MDL-SOIL-QT4-2023-07

Tgt Ion: 63	Resp: 17328
Ion Ratio	Lower Upper
63 100	
65 34.7	22.5 41.9
83 15.0	9.4 17.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#20

cis-1,2-Dichloroethene

Concen: 0.929 ug/L

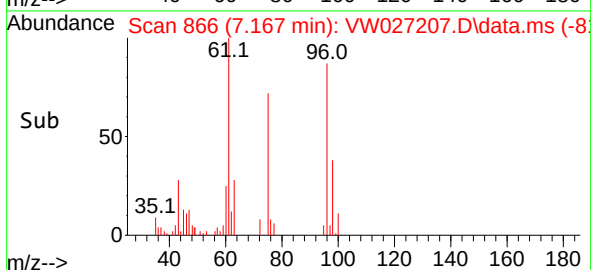
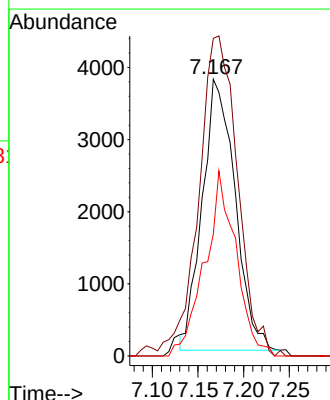
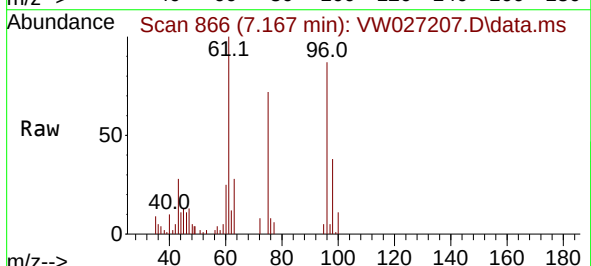
RT: 7.167 min Scan# 866

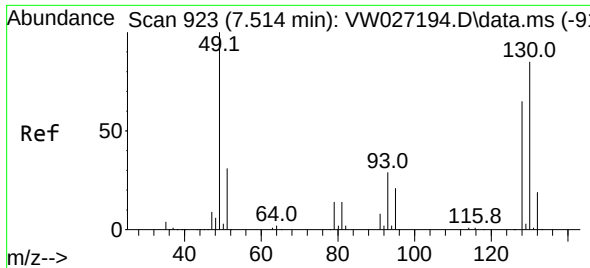
Delta R.T. -0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

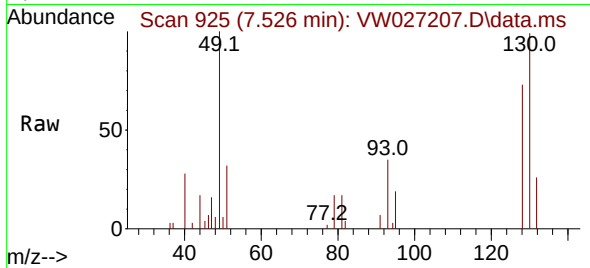
Tgt Ion: 96	Resp: 9384
Ion Ratio	Lower Upper
96 100	
61 114.7	82.7 153.5
98 44.1	43.0 80.0





#23
Bromochloromethane
Concen: 0.959 ug/L
RT: 7.526 min Scan# 91
Delta R.T. 0.012 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

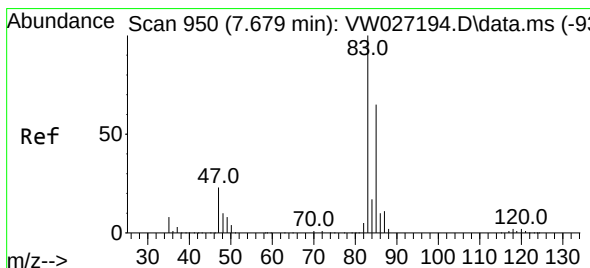
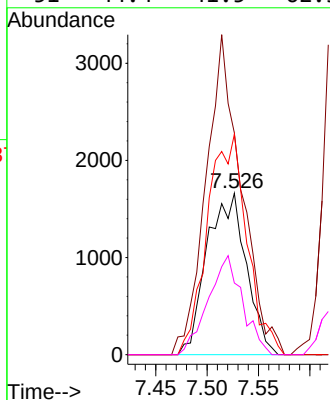
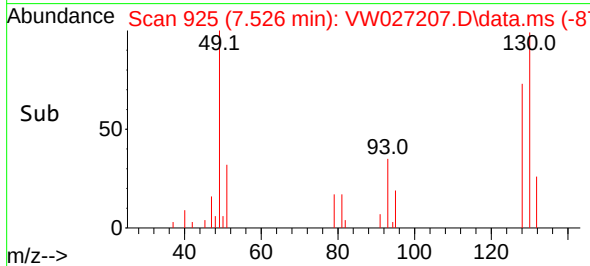
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:128 Resp: 4419
Ion Ratio Lower Upper
128 100
49 137.4 112.1 208.1
130 136.7 83.9 155.7
51 44.4 41.5 62.3

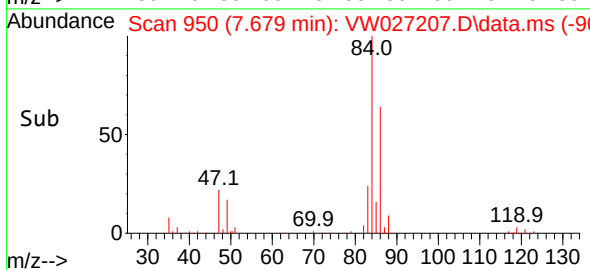
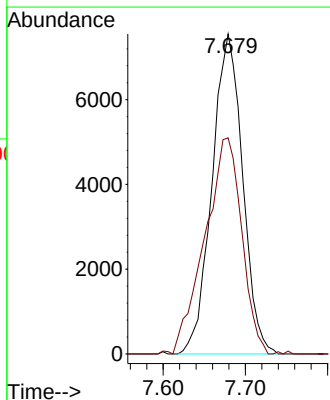
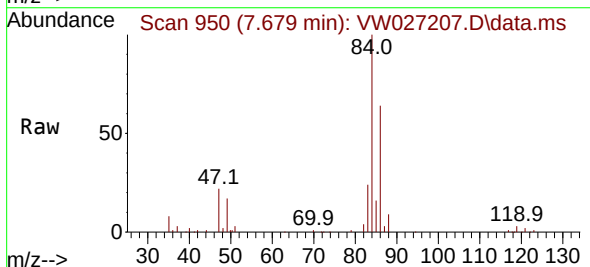
Manual Integrations
APPROVED

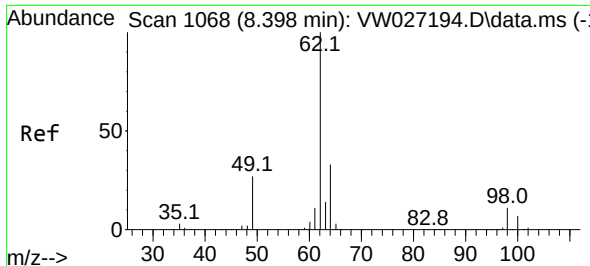
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#25
Chloroform
Concen: 1.131 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 83 Resp: 19488
Ion Ratio Lower Upper
83 100
85 67.5 47.7 88.5





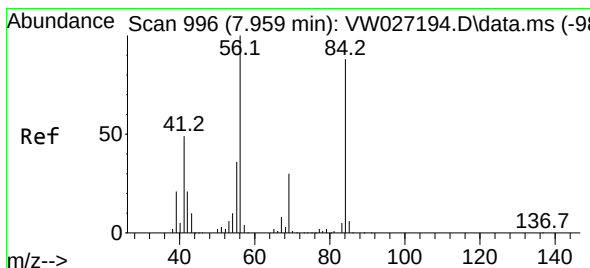
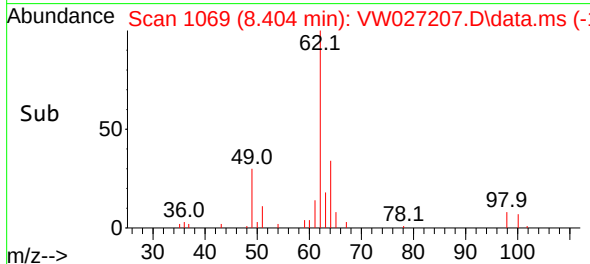
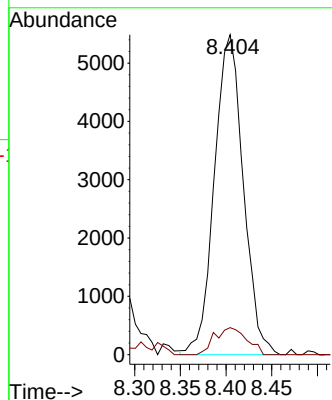
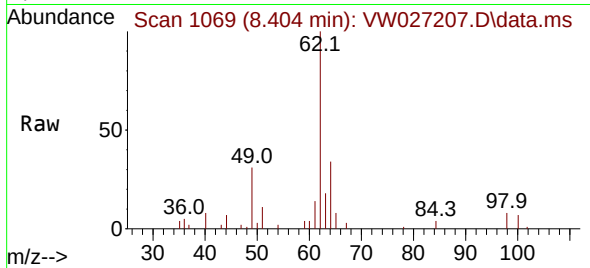
#27
1,2-Dichloroethane
Concen: 1.144 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

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

Tgt Ion: 62 Resp: 12080
Ion Ratio Lower Upper
62 100
98 8.5 7.9 11.9

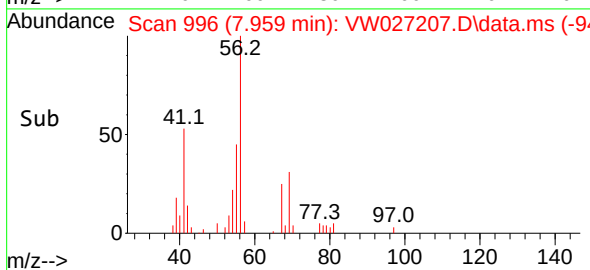
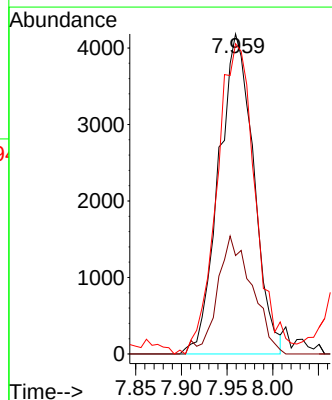
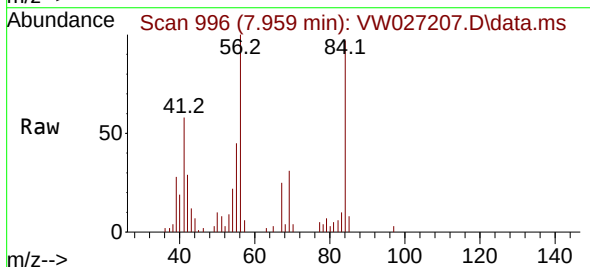
Manual Integrations
APPROVED

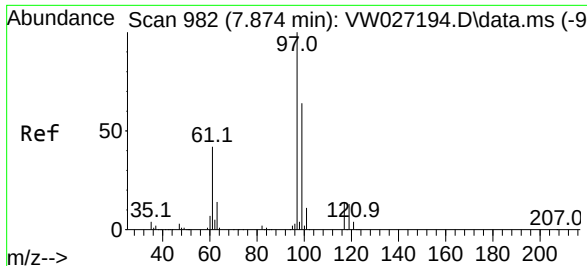
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#29
Cyclohexane
Concen: 0.747 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

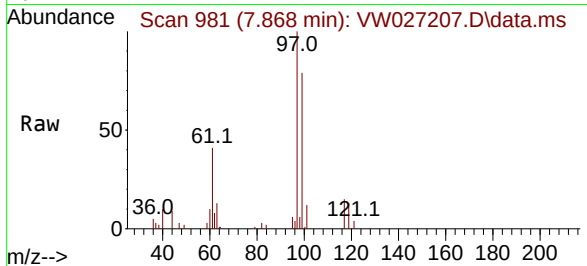
Tgt Ion: 56 Resp: 11149
Ion Ratio Lower Upper
56 100
69 35.8 25.0 37.4
84 102.6 69.9 104.9





#30
1,1,1-Trichloroethane
Concen: 0.963 ug/L
RT: 7.868 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

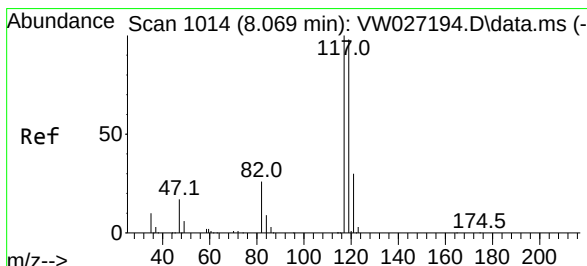
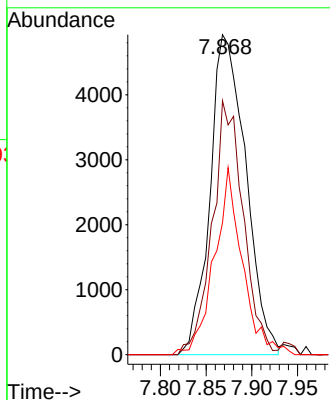
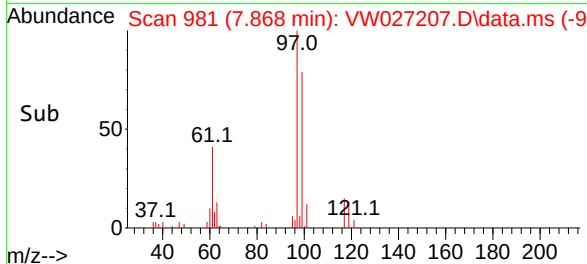
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 97 Resp: 1343
Ion Ratio Lower Upper
97 100
99 68.5 50.8 76.2
61 45.4 34.6 52.0

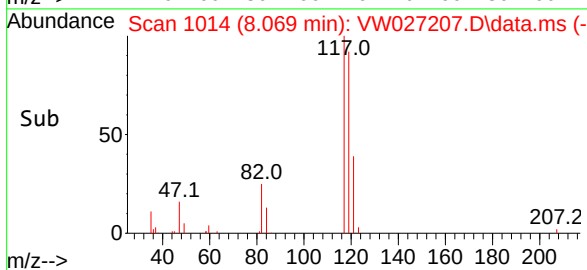
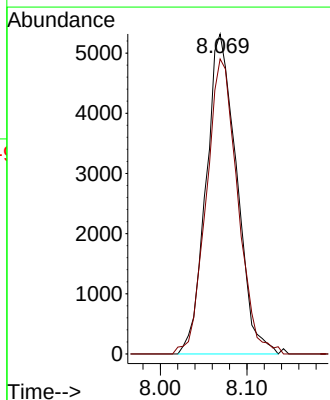
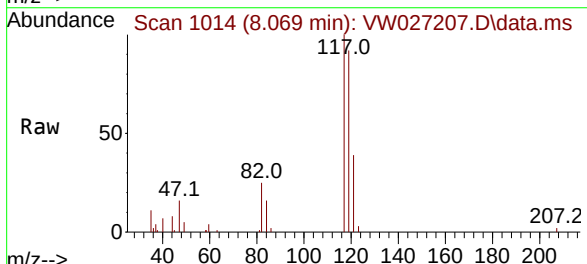
Manual Integrations
APPROVED

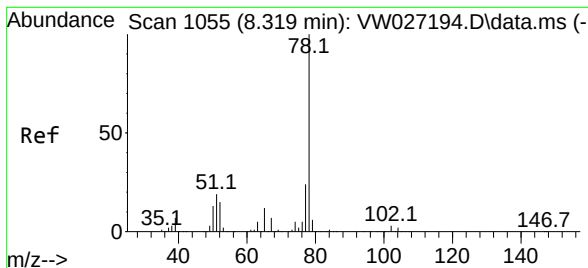
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#31
Carbon tetrachloride
Concen: 0.989 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion:117 Resp: 13024
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.6





#33

Benzene

Concen: 0.990 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

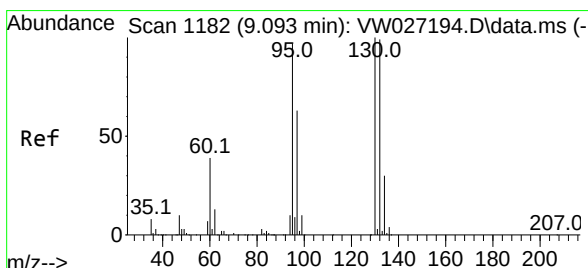
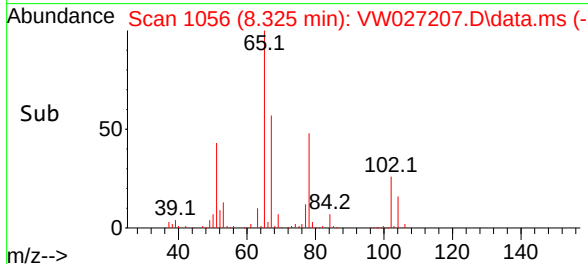
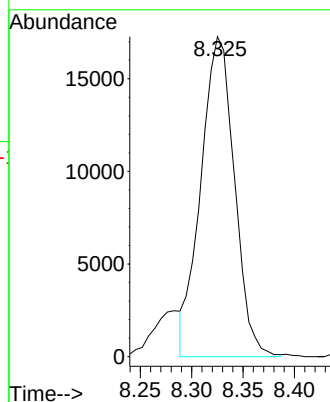
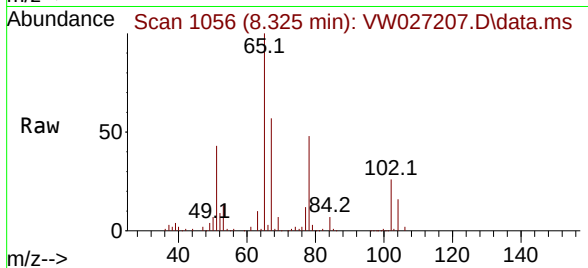
ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 78 Resp: 3925

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#34

Trichloroethene

Concen: 1.022 ug/L

RT: 9.099 min Scan# 1183

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Tgt Ion: 95 Resp: 10581

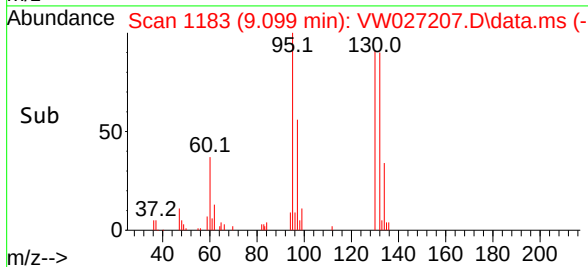
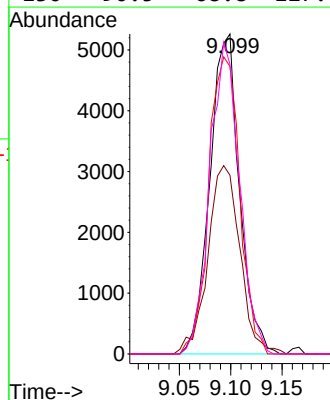
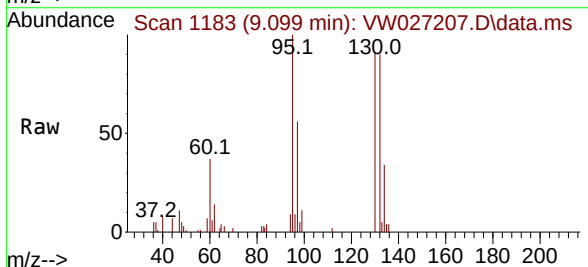
Ion Ratio Lower Upper

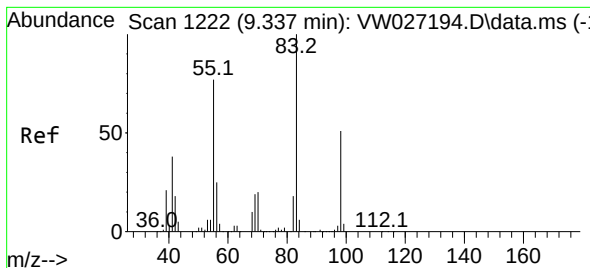
95 100

97 55.8 46.1 85.7

132 89.9 71.5 132.9

130 90.5 68.8 127.8





#35

Methylcyclohexane

Concen: 0.815 ug/L

RT: 9.331 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

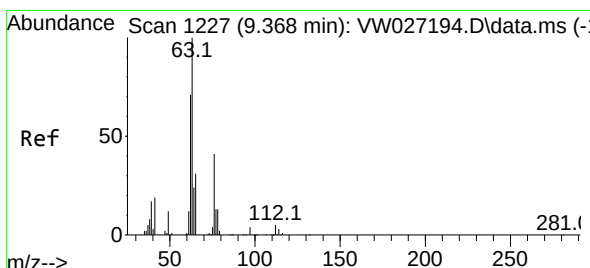
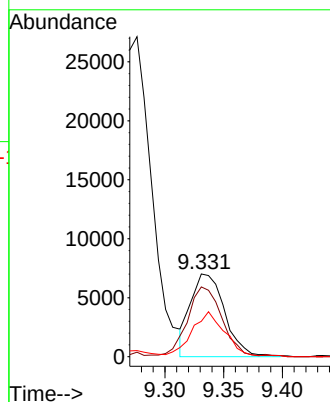
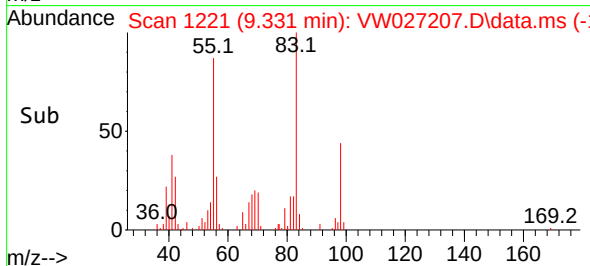
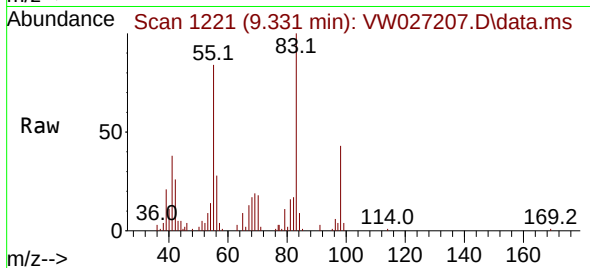
MDL-SOIL-QT4-2023-07

Tgt Ion: 83	Resp: 14198
Ion Ratio	Lower Upper
83 100	
55 85.7	59.1 88.7
98 52.1	38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#37

1,2-Dichloropropane

Concen: 1.004 ug/L

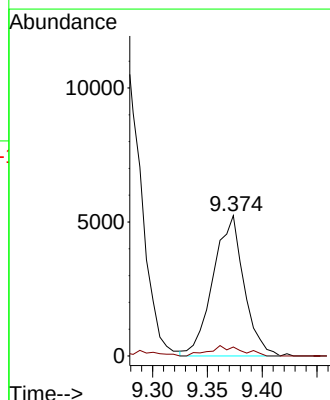
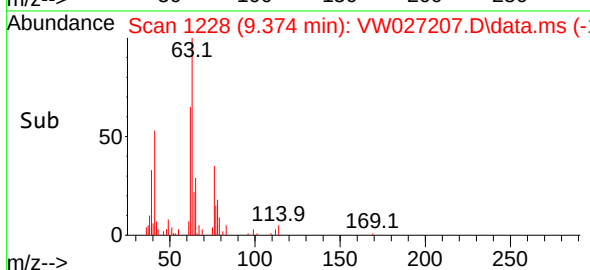
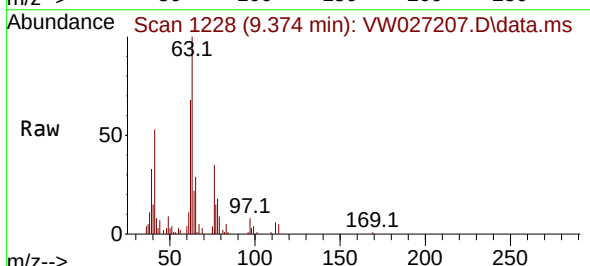
RT: 9.374 min Scan# 1228

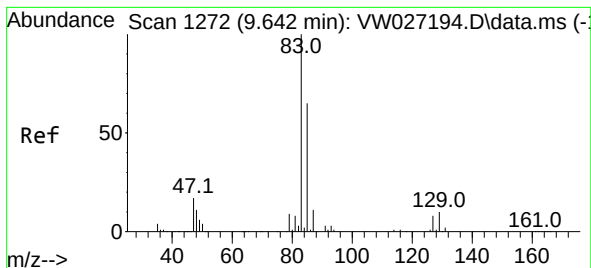
Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Tgt Ion: 63	Resp: 10261
Ion Ratio	Lower Upper
63 100	
112 4.3	3.7 5.5





#38

Bromodichloromethane

Concen: 1.037 ug/L

RT: 9.648 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

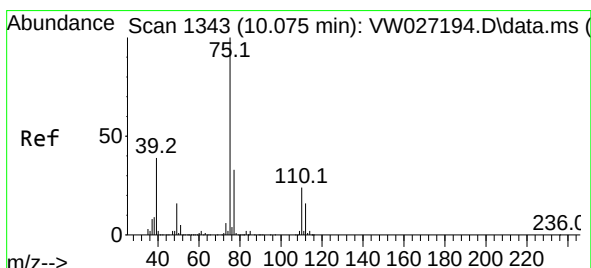
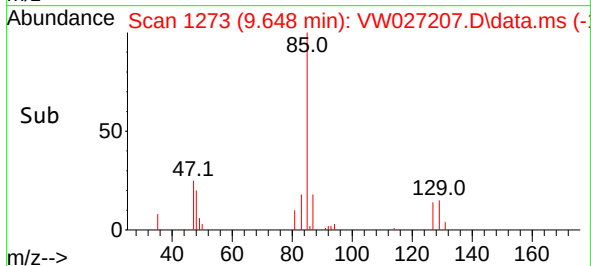
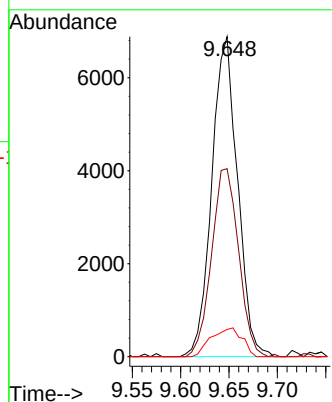
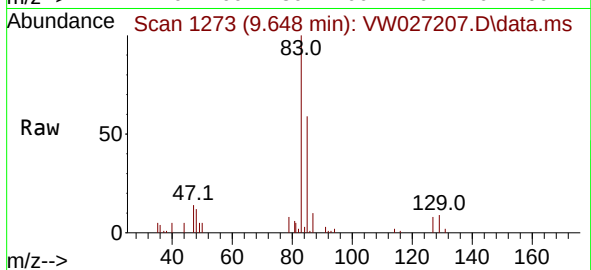
Tgt Ion:	83	Resp:	12720
Ion	Ratio	Lower	Upper
83	100		
85	58.8	44.7	82.9
127	8.5	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#39

cis-1,3-Dichloropropene

Concen: 0.943 ug/L

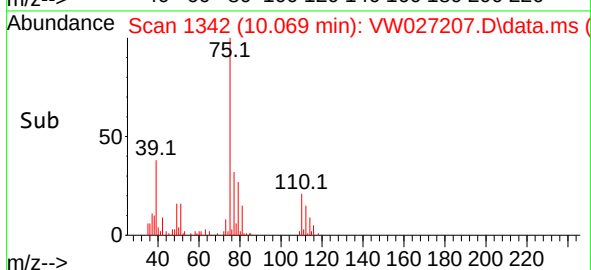
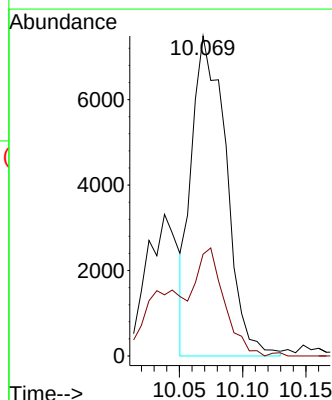
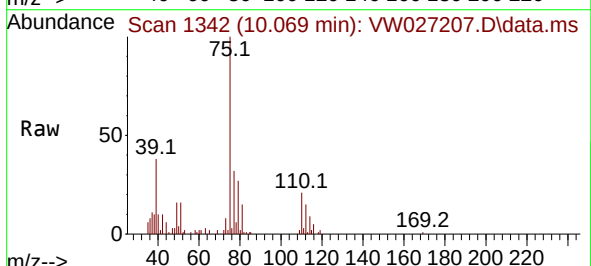
RT: 10.069 min Scan# 1342

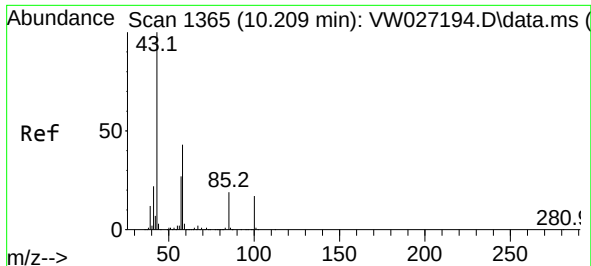
Delta R.T. -0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

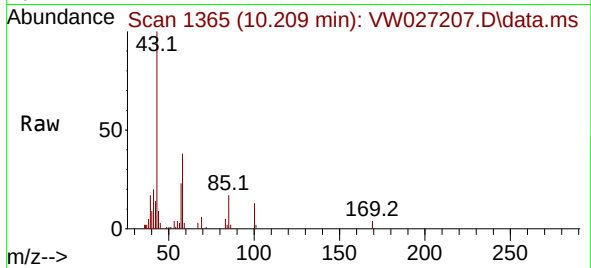
Tgt Ion:	75	Resp:	14200
Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.3	41.3





#40
4-Methyl-2-pentanone
Concen: 1.863 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

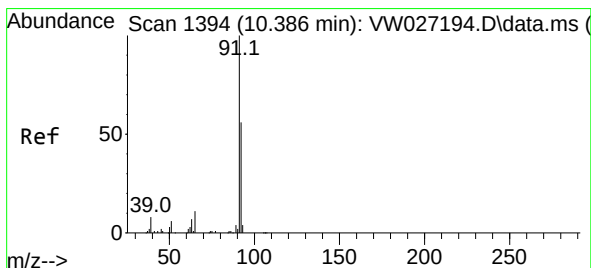
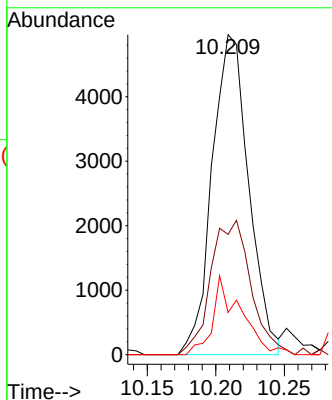
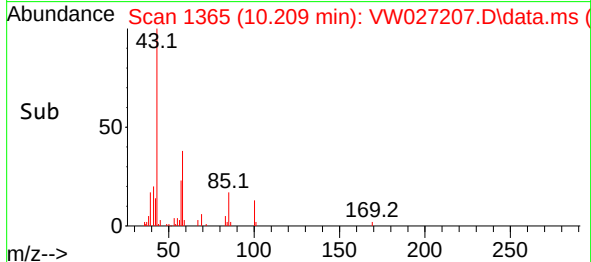
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 9234
Ion Ratio Lower Upper
43 100
58 45.9 33.8 50.6
100 10.1 13.7 20.5

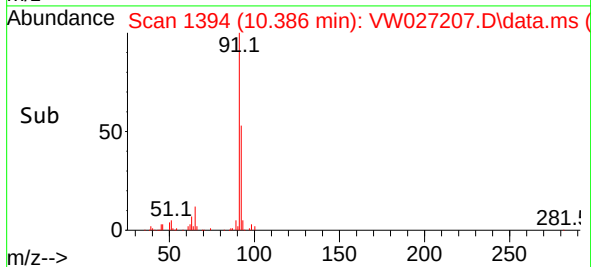
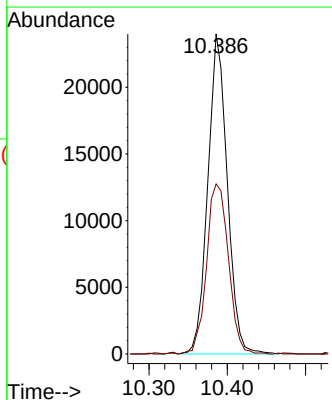
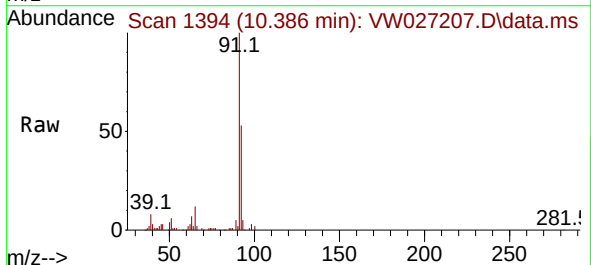
Manual Integrations
APPROVED

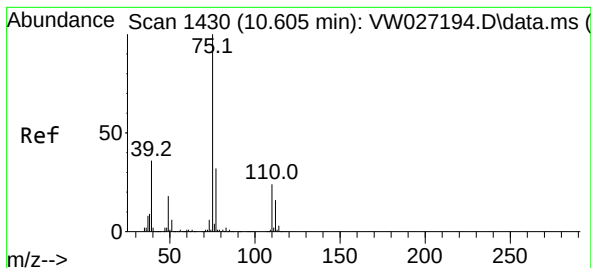
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#42
Toluene
Concen: 1.016 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 91 Resp: 41357
Ion Ratio Lower Upper
91 100
92 53.1 42.6 79.2





#44

trans-1,3-Dichloropropene

Concen: 1.059 ug/L m

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 75 Resp: 13060

Ion Ratio Lower Upper

75 100

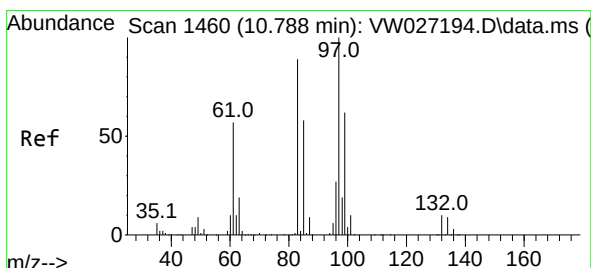
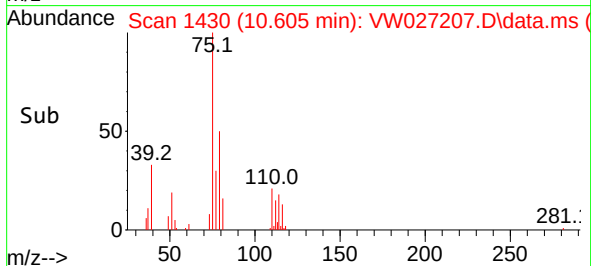
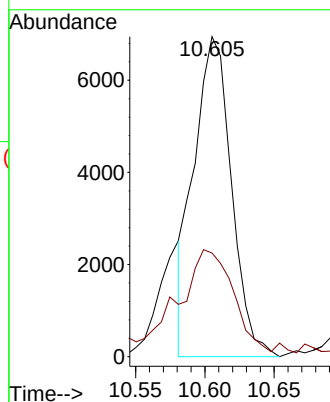
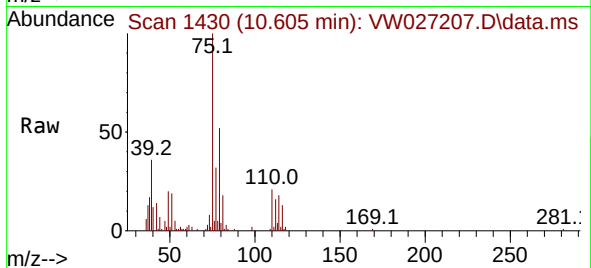
77 32.4 21.6 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#45

1,1,2-Trichloroethane

Concen: 1.138 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Tgt Ion: 97 Resp: 8411

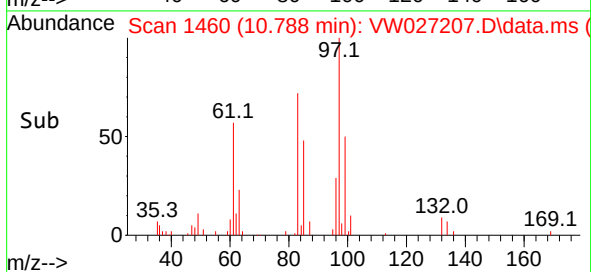
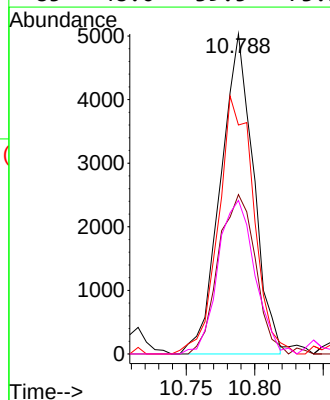
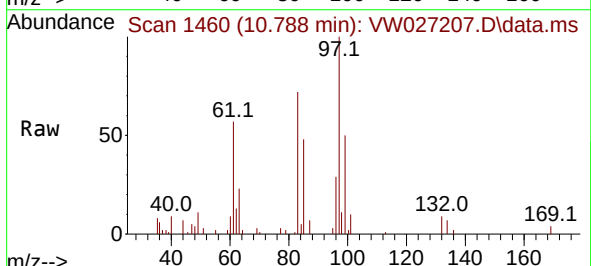
Ion Ratio Lower Upper

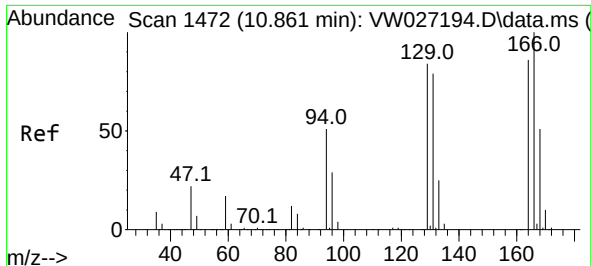
97 100

99 49.8 45.3 84.1

83 71.6 59.5 110.5

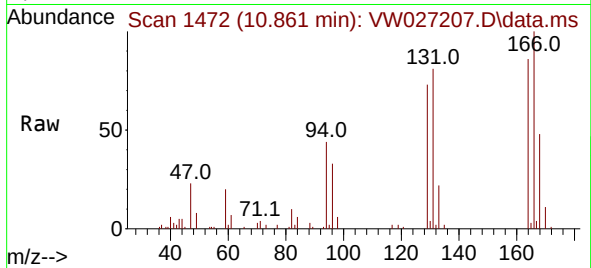
85 48.0 39.5 73.3





#46
Tetrachloroethene
Concen: 1.239 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

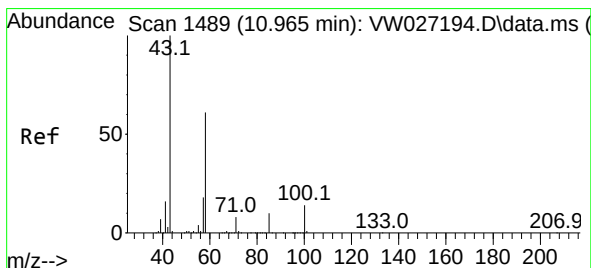
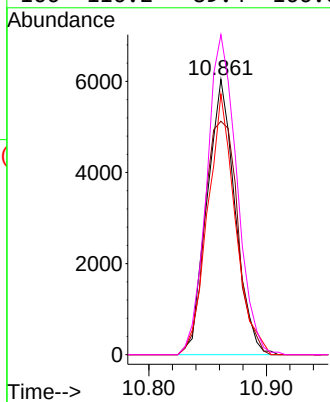
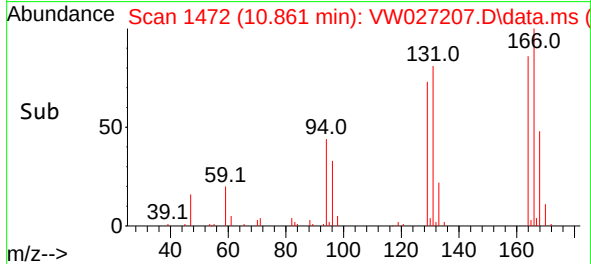
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



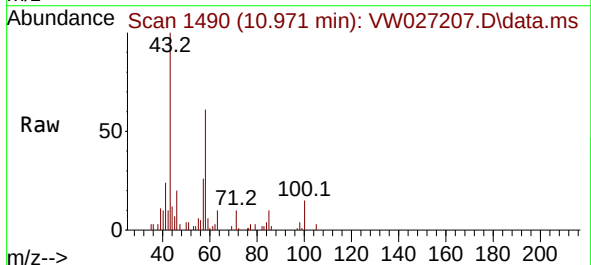
Tgt Ion:164 Resp: 10080
Ion Ratio Lower Upper
164 100
129 84.8 60.3 112.1
131 94.7 66.1 122.7
166 116.2 89.4 166.0

Manual Integrations
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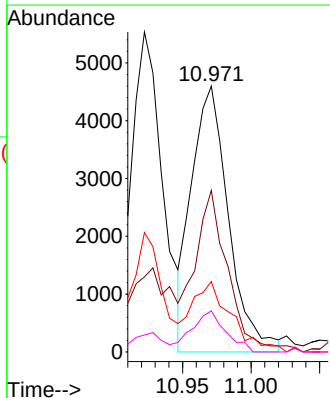
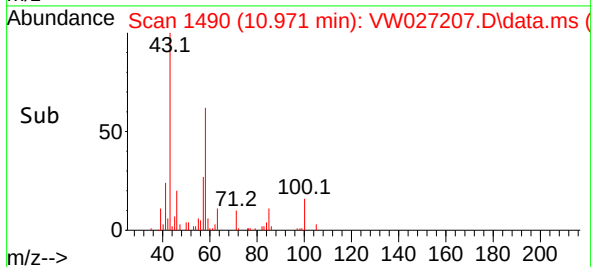
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

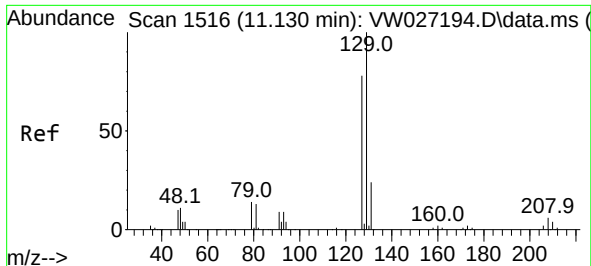


#48
2-Hexanone
Concen: 2.221 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55



Tgt Ion: 43 Resp: 8629
Ion Ratio Lower Upper
43 100
58 53.9 47.2 70.8
57 27.5 15.9 23.9#
100 14.2 10.4 15.6





#49

Dibromochloromethane

Concen: 1.001 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:129 Resp: 802

Ion Ratio Lower Upper

129 100

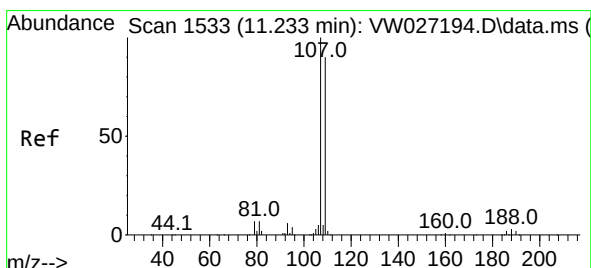
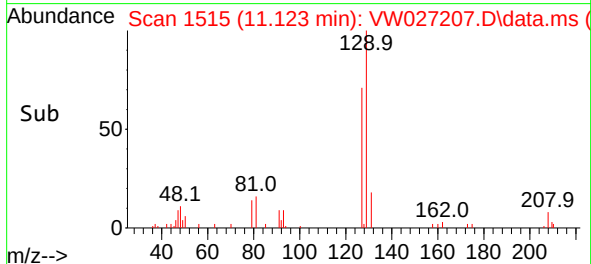
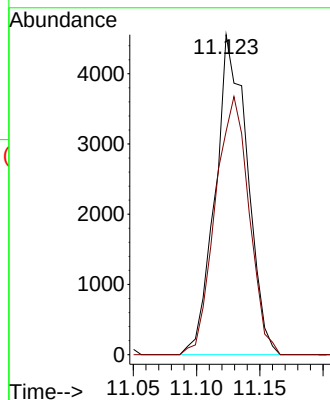
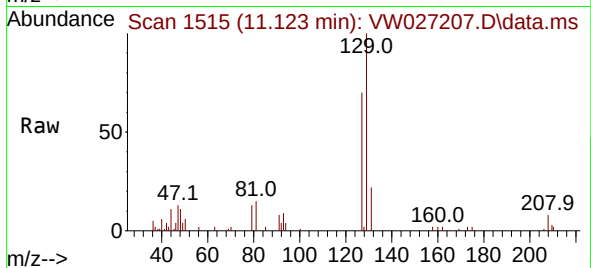
127 69.8 54.2 100.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#50

1,2-Dibromoethane

Concen: 1.046 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

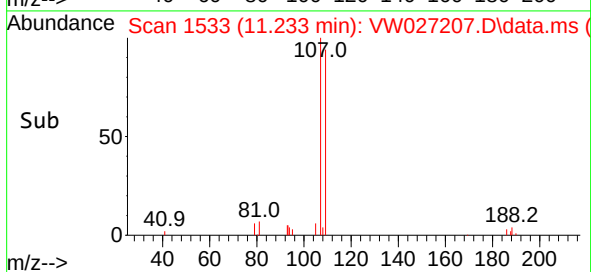
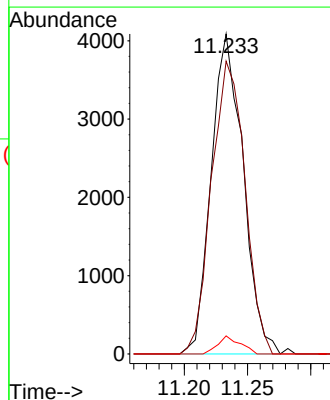
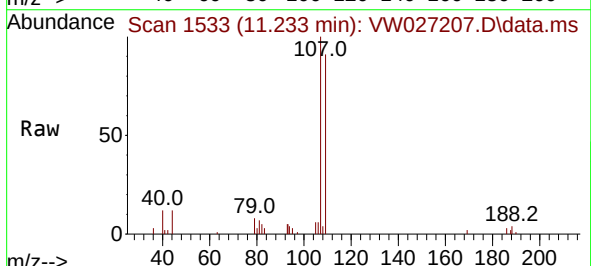
Tgt Ion:107 Resp: 7174

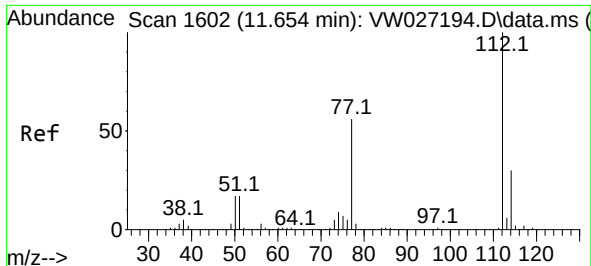
Ion Ratio Lower Upper

107 100

109 91.5 68.2 126.6

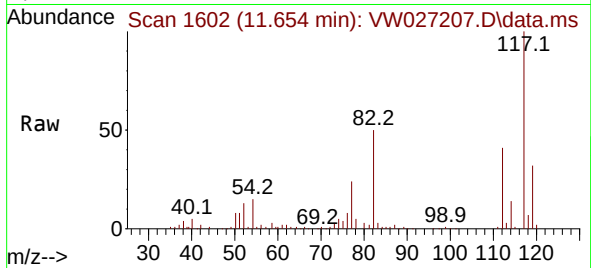
188 5.7 2.6 4.0#





#51
Chlorobenzene
Concen: 0.962 ug/L
RT: 11.654 min Scan# 112
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

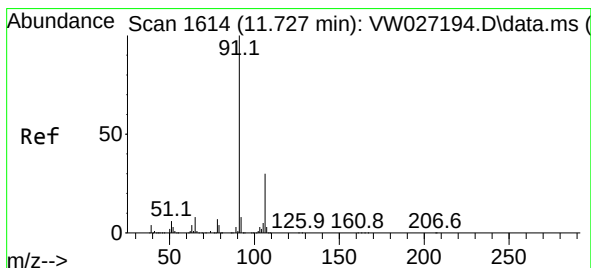
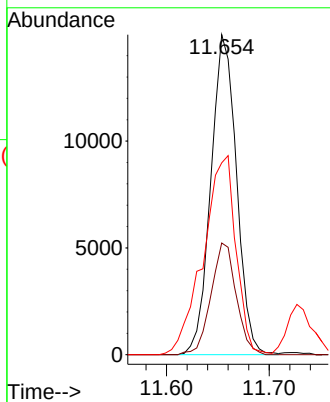
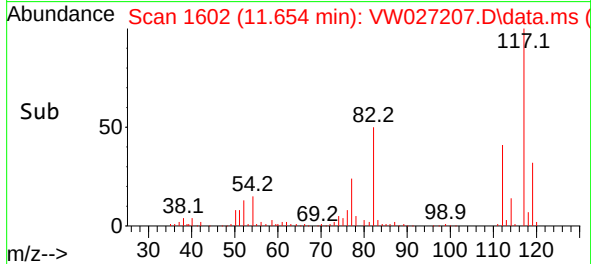
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 112 Resp: 25994
Ion Ratio Lower Upper
112 100
114 34.9 21.9 40.7
77 59.9 47.4 71.0

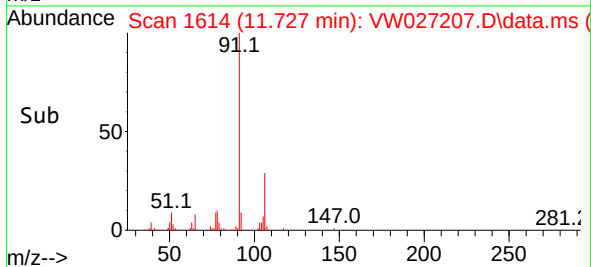
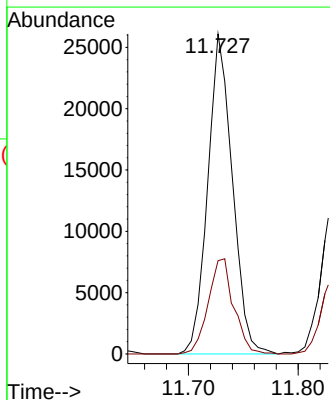
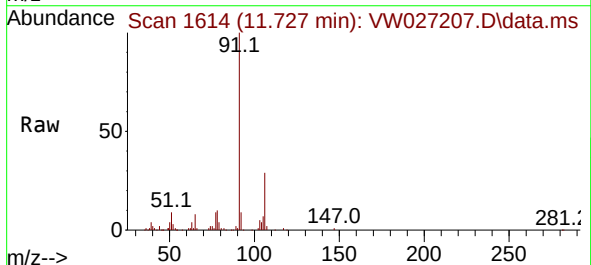
Manual Integrations
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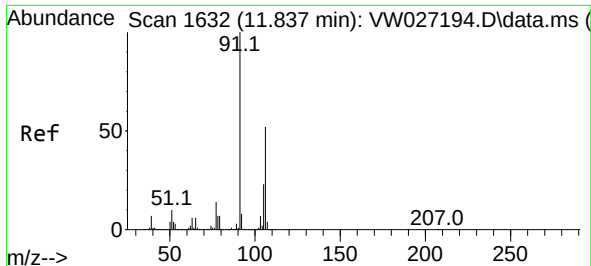
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#52
Ethylbenzene
Concen: 0.893 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion: 91 Resp: 40835
Ion Ratio Lower Upper
91 100
106 29.1 21.8 40.6





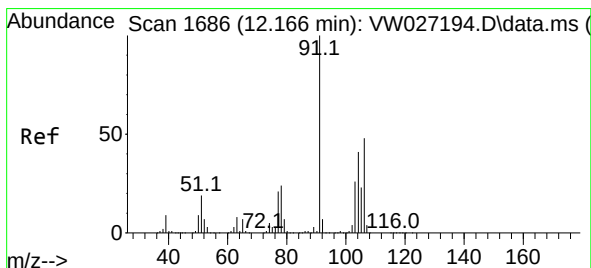
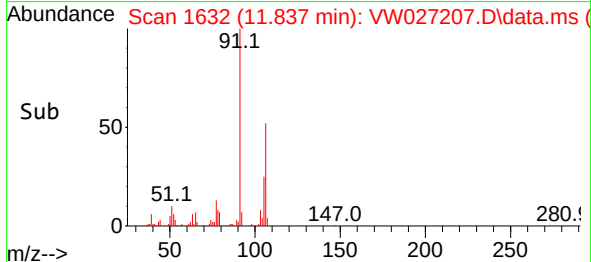
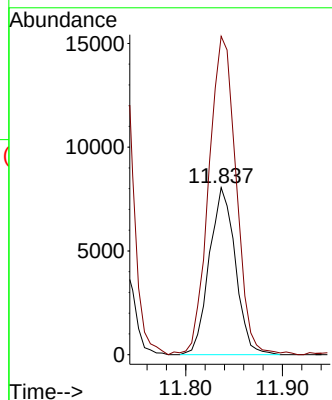
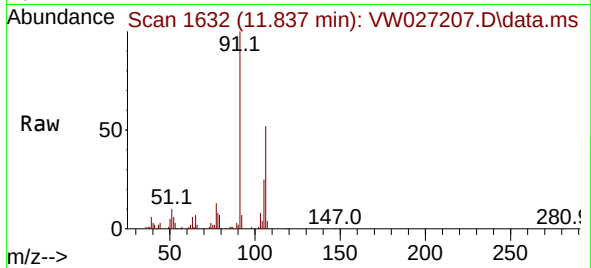
#53
m,p-Xylene
Concen: 0.860 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

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

Tgt Ion:106 Resp: 15083
Ion Ratio Lower Upper
106 100
91 190.5 145.9 270.9

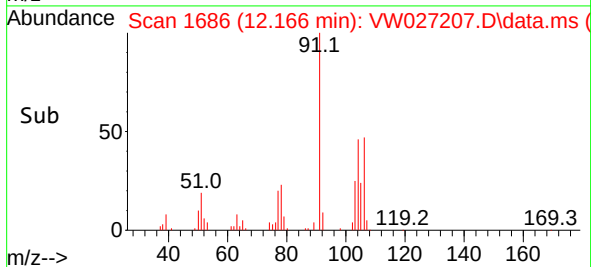
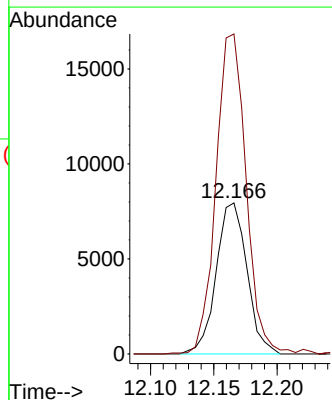
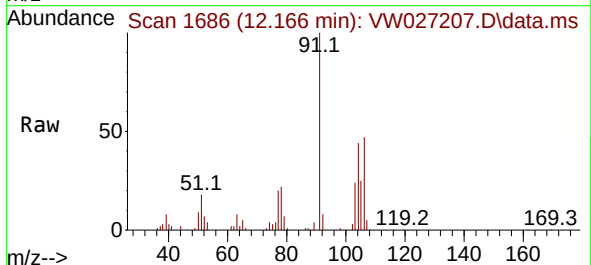
Manual Integrations
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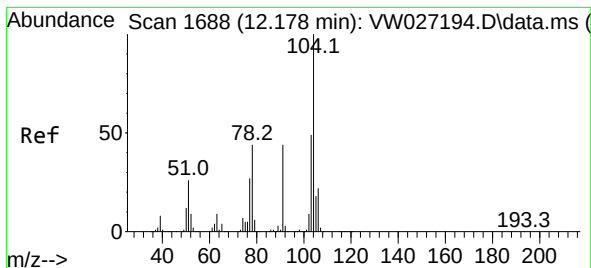
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#54
o-Xylene
Concen: 0.820 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

Tgt Ion:106 Resp: 13444
Ion Ratio Lower Upper
106 100
91 211.9 149.5 277.7





#55

Styrene

Concen: 0.799 ug/L

RT: 12.184 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:104 Resp: 22520

Ion Ratio Lower Upper

104 100

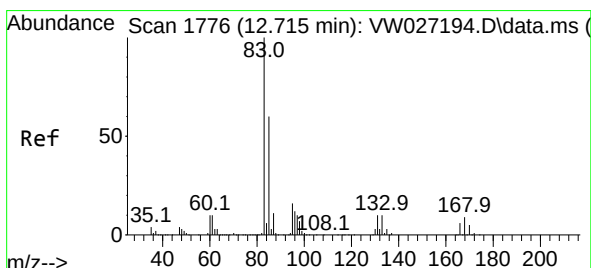
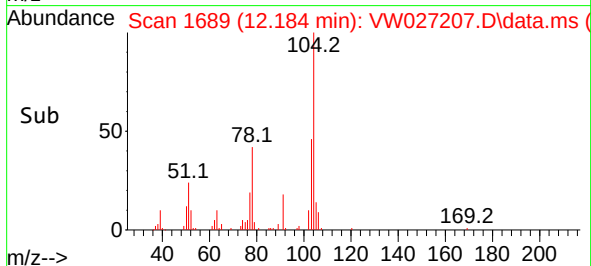
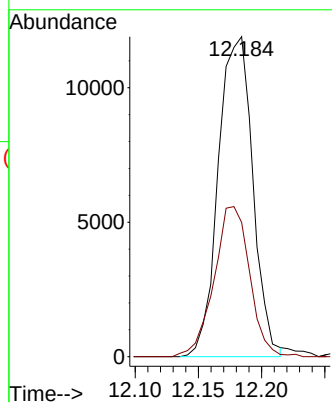
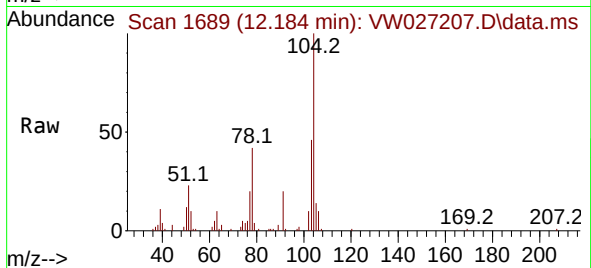
78 41.9 30.1 55.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 1.120 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

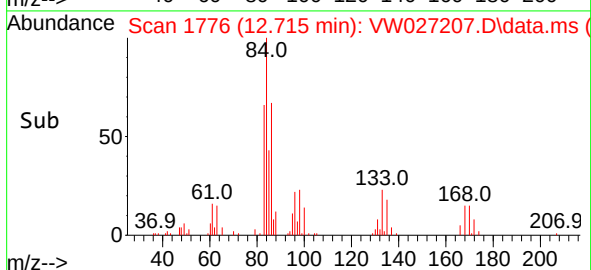
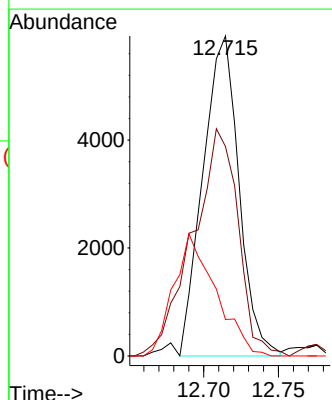
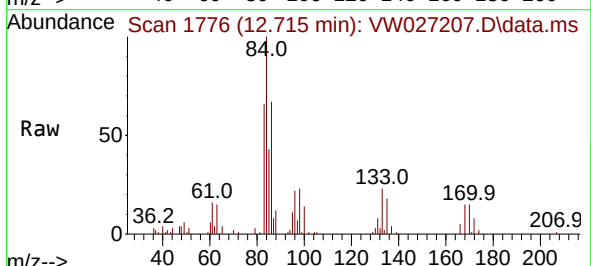
Tgt Ion: 83 Resp: 9931

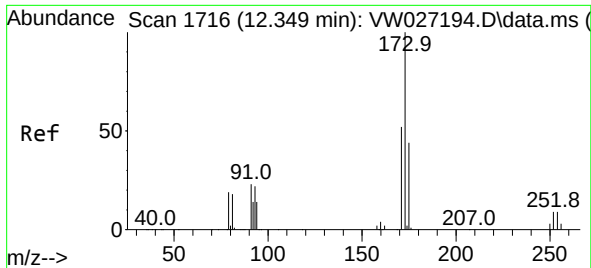
Ion Ratio Lower Upper

83 100

85 65.4 43.5 80.7

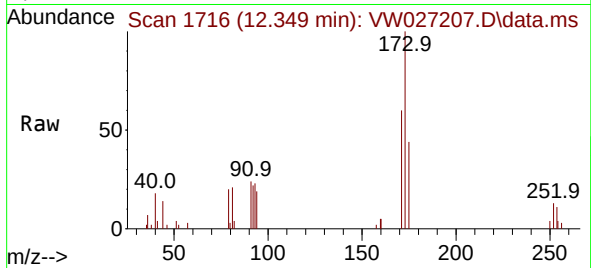
131 11.4 7.6 11.4#





#59
Bromoform
Concen: 1.077 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

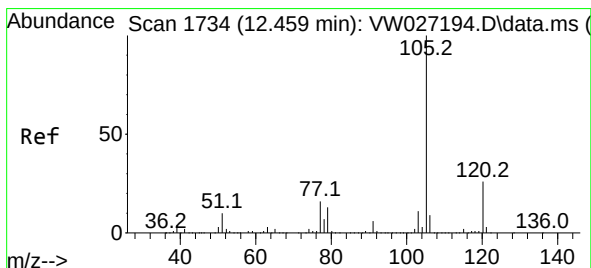
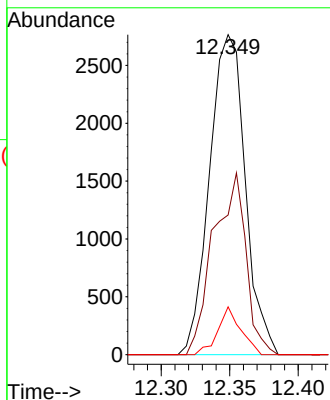
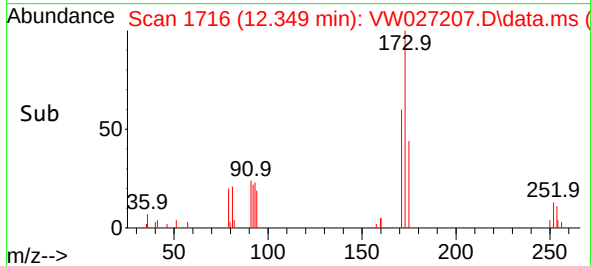
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:173 Resp: 5020
Ion Ratio Lower Upper
173 100
175 31.0 37.1 55.7
254 9.6 7.2 10.8

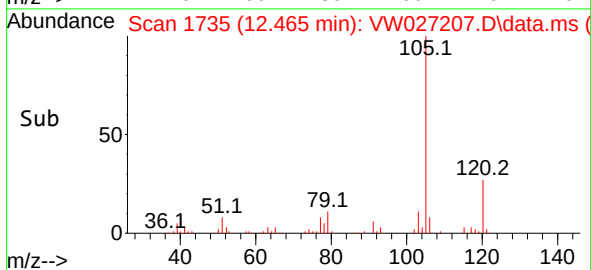
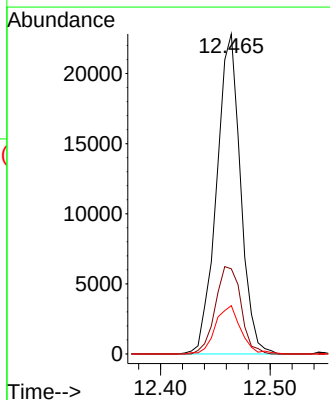
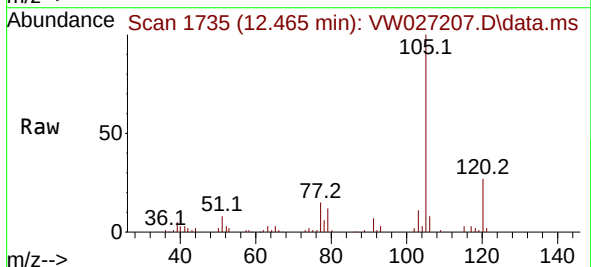
Manual Integrations
APPROVED

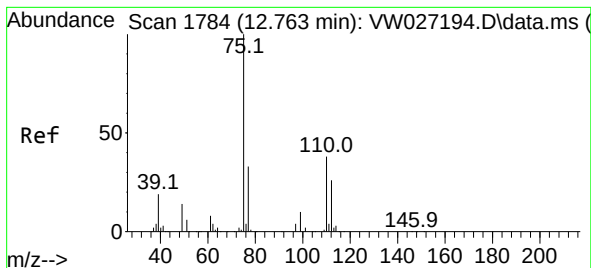
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#60
Isopropylbenzene
Concen: 0.798 ug/L
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

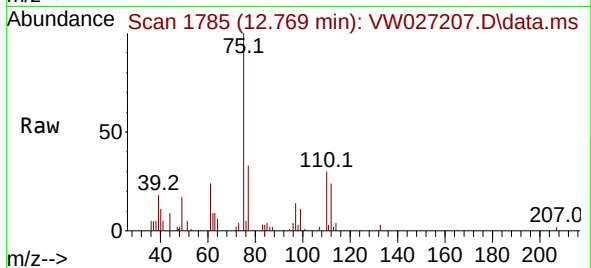
Tgt Ion:105 Resp: 34713
Ion Ratio Lower Upper
105 100
120 29.1 21.0 31.6
77 15.6 12.5 18.7





#61
1,2,3-Trichloropropane
Concen: 1.221 ug/L
RT: 12.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

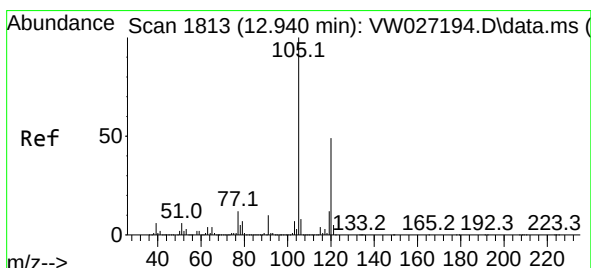
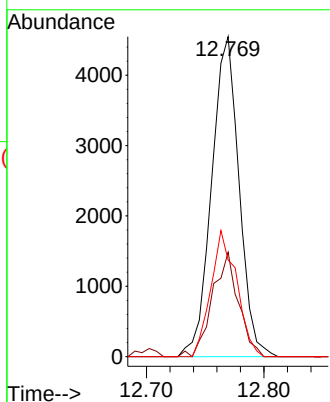
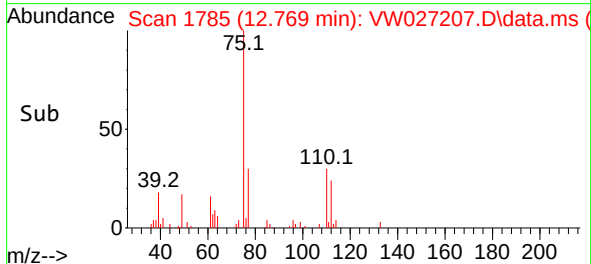
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



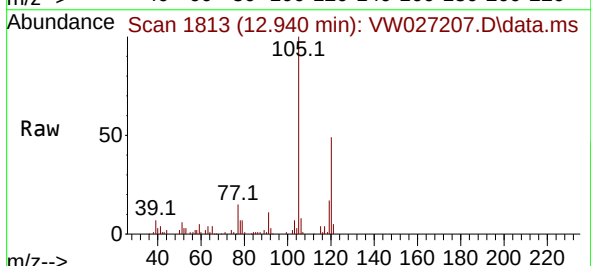
Tgt Ion: 75 Resp: 7384
Ion Ratio Lower Upper
75 100
77 30.4 26.2 39.2
110 37.1 31.2 46.8

Manual Integrations
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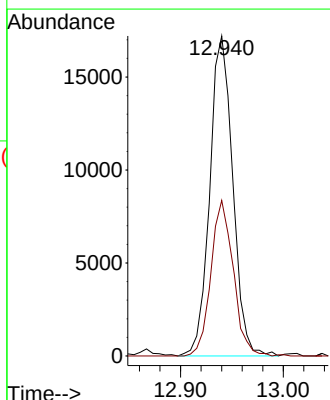
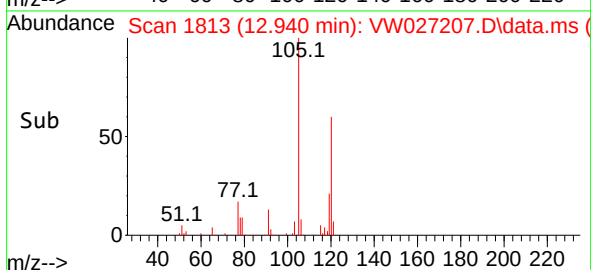
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

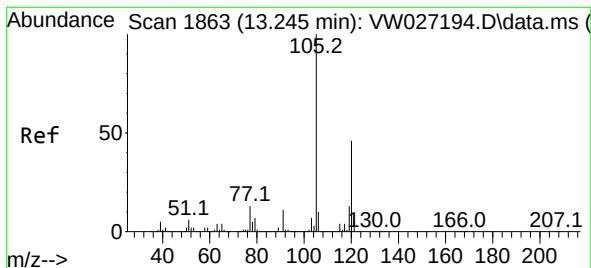


#62
1,3,5-Trimethylbenzene
Concen: 0.785 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55



Tgt Ion:105 Resp: 26773
Ion Ratio Lower Upper
105 100
120 47.2 40.8 61.2





#63

1,2,4-Trimethylbenzene

Concen: 0.752 ug/L

RT: 13.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 2513

Ion Ratio Lower Upper

105 100

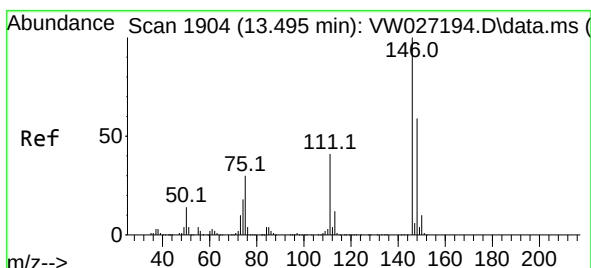
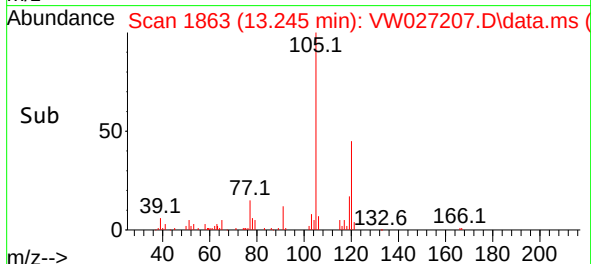
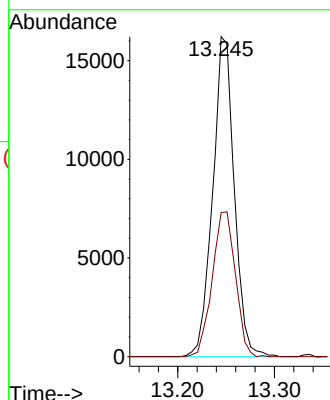
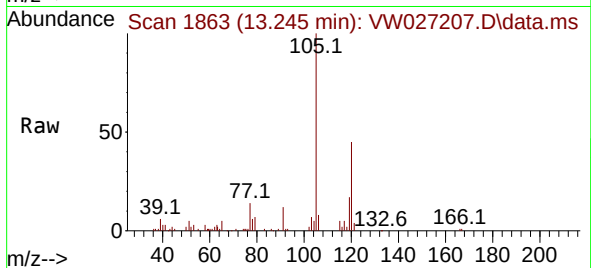
120 48.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#64

1,3-Dichlorobenzene

Concen: 0.956 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

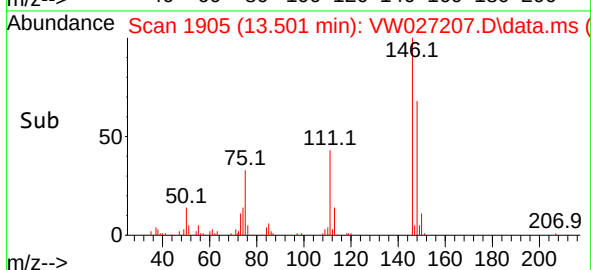
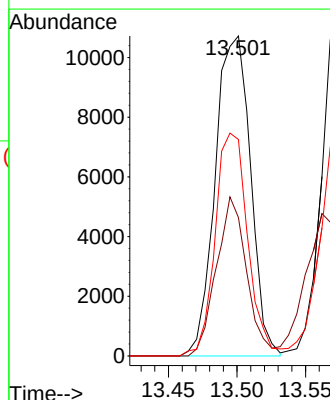
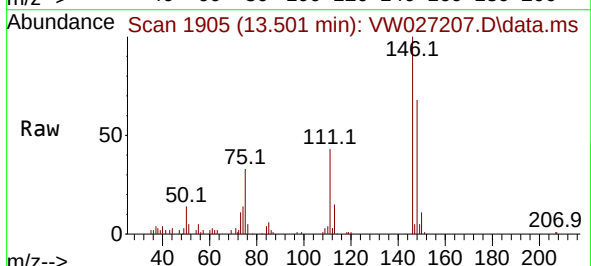
Tgt Ion:146 Resp: 19180

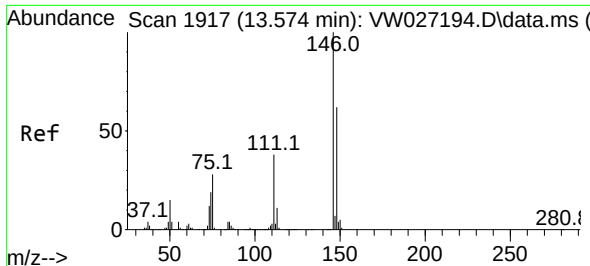
Ion Ratio Lower Upper

146 100

111 43.3 26.9 50.1

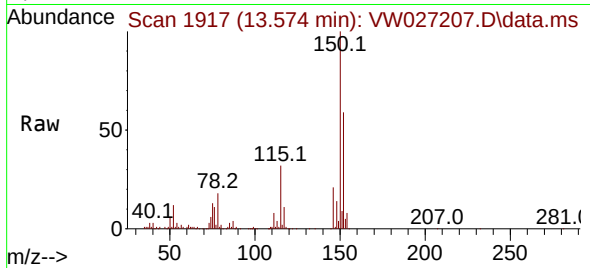
148 67.6 43.3 80.5





#65
1,4-Dichlorobenzene
Concen: 1.156 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

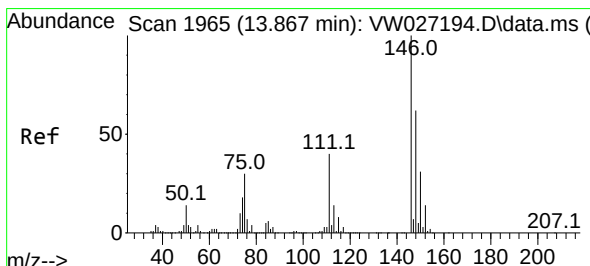
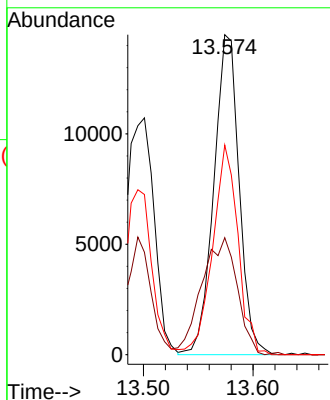
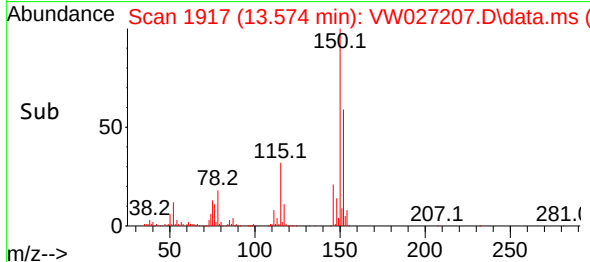
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



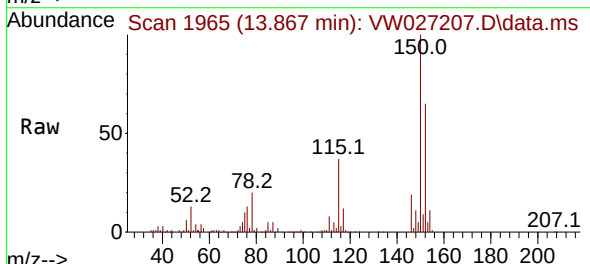
Tgt Ion:146 Resp: 23309
Ion Ratio Lower Upper
146 100
111 36.6 26.9 50.1
148 65.5 43.9 81.5

Manual Integrations
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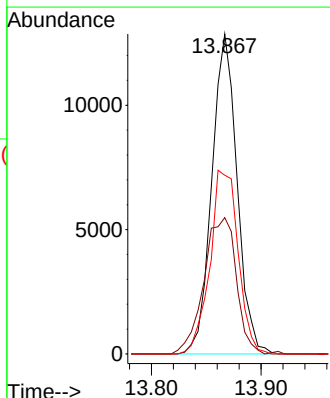
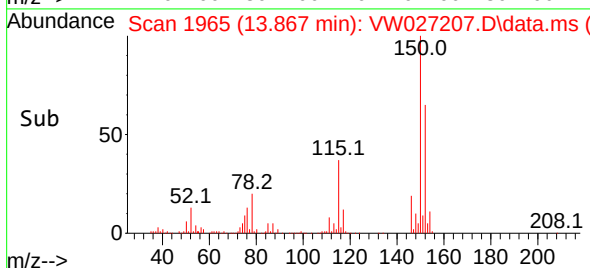
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

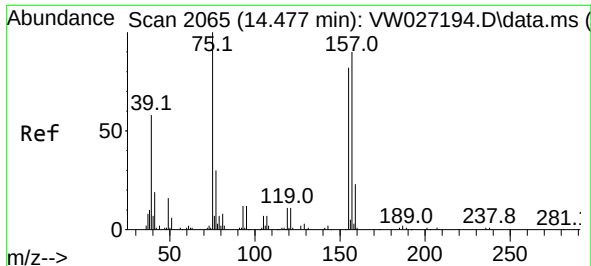


#67
1,2-Dichlorobenzene
Concen: 1.170 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55



Tgt Ion:146 Resp: 20589
Ion Ratio Lower Upper
146 100
111 42.6 35.6 53.4
148 55.8 58.4 87.6#





#68

1,2-Dibromo-3-chloropropane

Concen: 1.221 ug/L

RT: 14.483 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VW027207.D

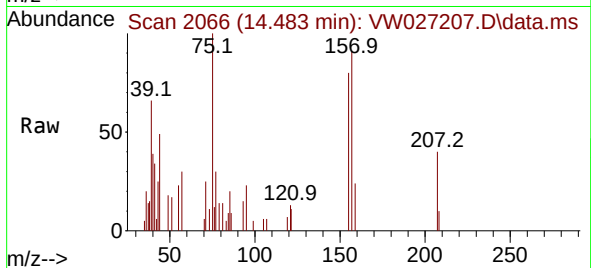
Acq: 03 Oct 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

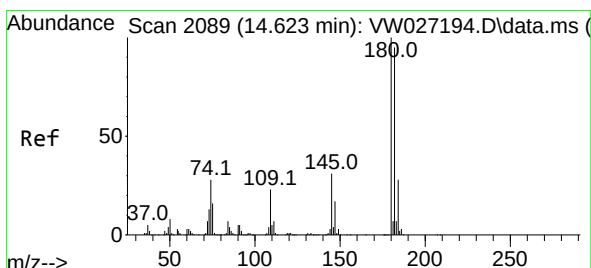
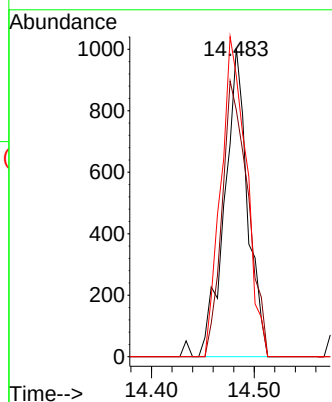
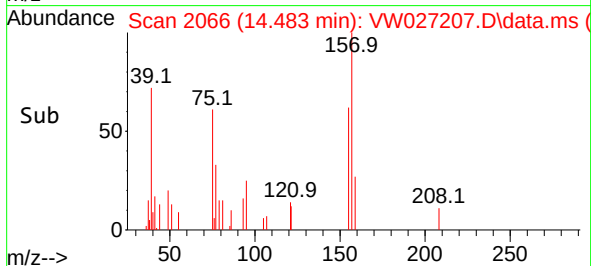


Tgt Ion: 75	Resp: 158
Ion Ratio	Lower Upper
75	100
155	79.8 56.5 84.7
157	90.9 75.9 113.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#69

1,3,5-Trichlorobenzene

Concen: 1.082 ug/L m

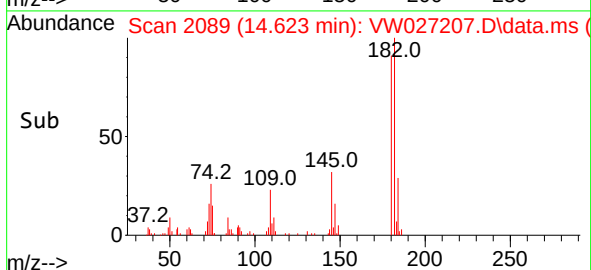
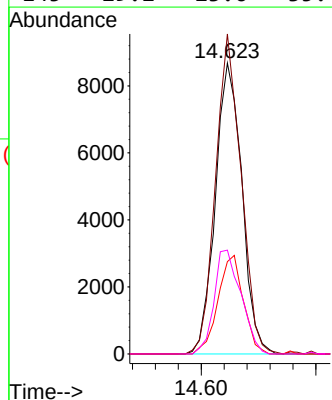
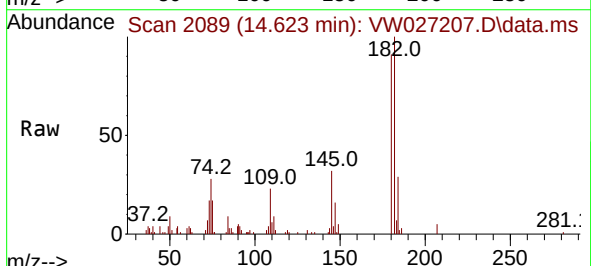
RT: 14.623 min Scan# 2089

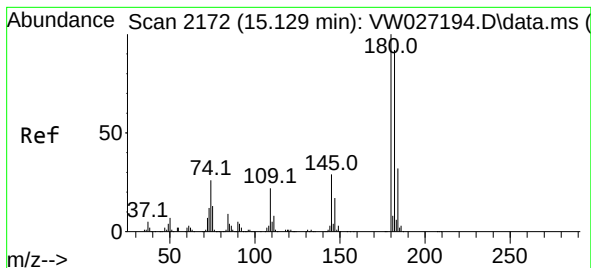
Delta R.T. -0.000 min

Lab File: VW027207.D

Acq: 03 Oct 2023 17:55

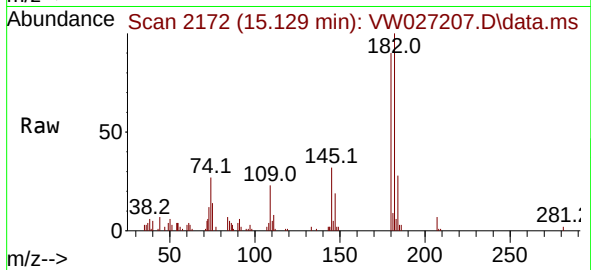
Tgt Ion:180	Resp: 13982
Ion Ratio	Lower Upper
180	100
182	86.9 70.2 105.2
184	28.0 24.6 37.0
145	29.2 23.6 35.4





#70
1,2,4-trichlorobenzene
Concen: 1.182 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55

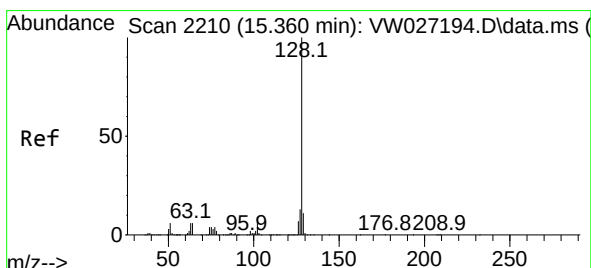
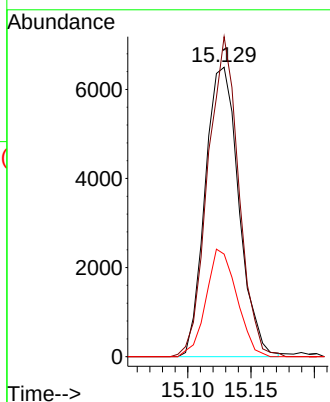
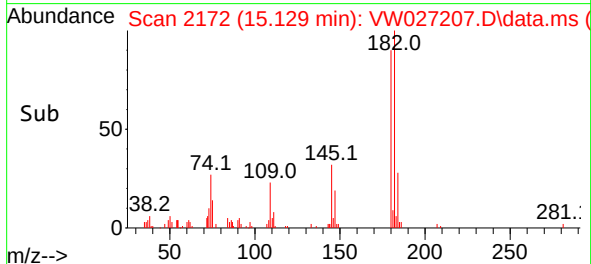
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



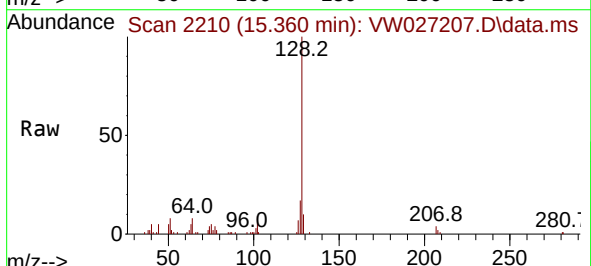
Tgt Ion:180 Resp: 12052
Ion Ratio Lower Upper
180 100
182 100.9 77.4 116.2
145 33.9 24.3 36.5

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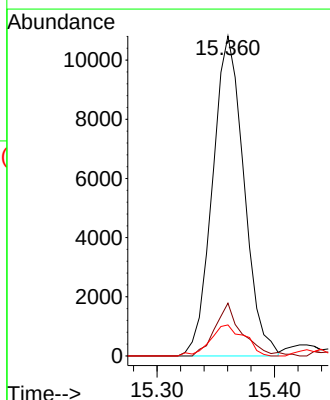
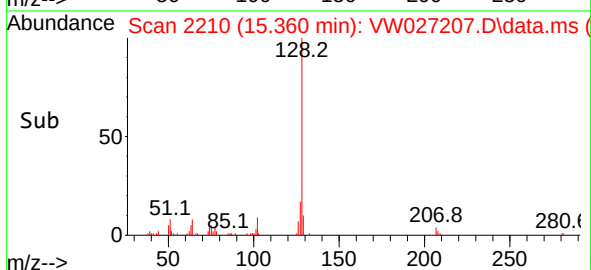
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

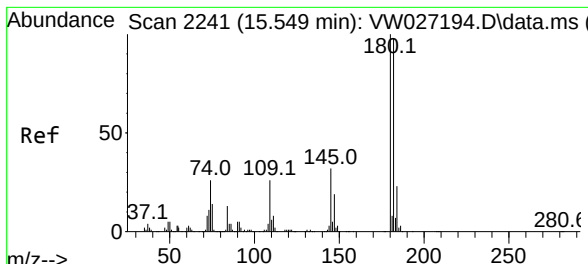


#71
Naphthalene
Concen: 1.115 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW027207.D
Acq: 03 Oct 2023 17:55



Tgt Ion:128 Resp: 20052
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 10.5 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.227 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW027207.D
 Acq: 03 Oct 2023 17:55

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

Tgt Ion:	180	Resp:	11104
Ion Ratio	Lower	Upper	
180	100		
182	98.3	74.7	112.1
145	32.2	26.4	39.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/04/2023
 Supervised By :Mahesh Dadoda 10/04/2023

