

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100323\
 Data File : VW027196.D
 Acq On : 03 Oct 2023 11:58
 Operator : SY/MD
 Sample : 04696-03 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 04 02:25:30 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

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)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	430230	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	551034	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	226506	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	4381m	0.648	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	2.600%#
7) Chloroethane-d5	2.899	69	2425	0.454	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	1.800%#
11) 1,1-Dichloroethene-d2	4.033	65	365	0.130	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.520%#
21) 2-Butanone-d5	7.057	46	81	0.058	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.120%#
24) Chloroform-d	7.672	84	16628	1.321	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	5.280%#
26) 1,2-Dichloroethane-d4	8.306	65	2017	0.334	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	1.320%#
32) Benzene-d6	8.276	84	6456	0.191	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.760%#
36) 1,2-Dichloropropane-d6	9.276	67	2293	0.227	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.920%#
41) Toluene-d8	10.324	98	9530	0.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	1.280%#
43) trans-1,3-Dichloroprop...	10.568	79	792	0.200	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.800%#
47) 2-Hexanone-d5	10.928	63	1299	0.840	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.680%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	3037	0.393	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	1.560%#
66) 1,2-Dichlorobenzene-d4	13.641	152	150	0.020	ug/L	-0.21
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.080%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	159117	28.463	ug/L	100
3) Chloromethane	2.228	50	212388	28.146	ug/L	99
5) Vinyl chloride	2.381	62	271729	32.981	ug/L	100
6) Bromomethane	2.789	94	186310	34.324	ug/L	100
8) Chloroethane	2.936	64	168911	33.781	ug/L	96
9) Trichlorofluoromethane	3.271	101	242716	35.052	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	232362	33.353	ug/L	94
12) 1,1-Dichloroethene	4.051	96	224790	33.773	ug/L #	69
13) Acetone	4.124	43	124862	72.310	ug/L	100
14) Carbon disulfide	4.386	76	717352	32.111	ug/L	99
15) Methyl Acetate	4.673	43	87936	30.383	ug/L	99
16) Methylene chloride	4.917	84	232682	27.628	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	219606	30.665	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	290598	32.426	ug/L	98
19) 1,1-Dichloroethane	6.215	63	377248	28.247	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	179915	23.568	ug/L	98
22) 2-Butanone	7.166	43	88236	41.317	ug/L	92
23) Bromochloromethane	7.520	128	80664	23.157	ug/L #	80
25) Chloroform	7.672	83	316068	24.264	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	191980	24.059	ug/L	99
29) Cyclohexane	7.959	56	171308	11.685	ug/L #	55
30) 1,1,1-Trichloroethane	7.874	97	258425	18.866	ug/L	97
31) Carbon tetrachloride	8.063	117	267110	20.645	ug/L	99
33) Benzene	8.325	78	585610	15.036	ug/L	100
34) Trichloroethene	9.093	95	263118	25.871	ug/L	97
35) Methylcyclohexane	9.337	83	302381	17.677	ug/L	97
37) 1,2-Dichloropropane	9.367	63	155678	15.513	ug/L	98
38) Bromodichloromethane	9.642	83	212480	17.629	ug/L	99
39) cis-1,3-Dichloropropene	10.081	75	240289	16.251	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	242419	49.793	ug/L	98
42) Toluene	10.385	91	748179	18.706	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	215071	17.747	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	203948	28.083	ug/L	99
46) Tetrachloroethene	10.861	164	220421	27.570	ug/L	94
48) 2-Hexanone	10.965	43	205573	53.861	ug/L	99
49) Dibromochloromethane	11.129	129	214602	27.247	ug/L	96
50) 1,2-Dibromoethane	11.233	107	181544	26.939	ug/L	98
51) Chlorobenzene	11.653	112	668115	25.172	ug/L	97
52) Ethylbenzene	11.727	91	1173646	26.120	ug/L	99
53) m,p-Xylene	11.836	106	438411	25.446	ug/L	97
54) o-Xylene	12.159	106	322535	20.040	ug/L	100
55) Styrene	12.178	104	553946	19.994	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	132992	15.267	ug/L #	95
59) Bromoform	12.348	173	89676	25.072	ug/L	98
60) Isopropylbenzene	12.464	105	840602	25.203	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	98614	21.265	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	723226	27.657	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	912443	35.605	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	369184	23.982	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	373237	24.133	ug/L	96
67) 1,2-Dichlorobenzene	13.866	146	311958	23.120	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	25699	25.872	ug/L	89
69) 1,3,5-Trichlorobenzene	14.622	180	283036	28.553	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	296649	37.932	ug/L	95
71) Naphthalene	15.360	128	477205	34.584	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	240341	34.621	ug/L	98

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

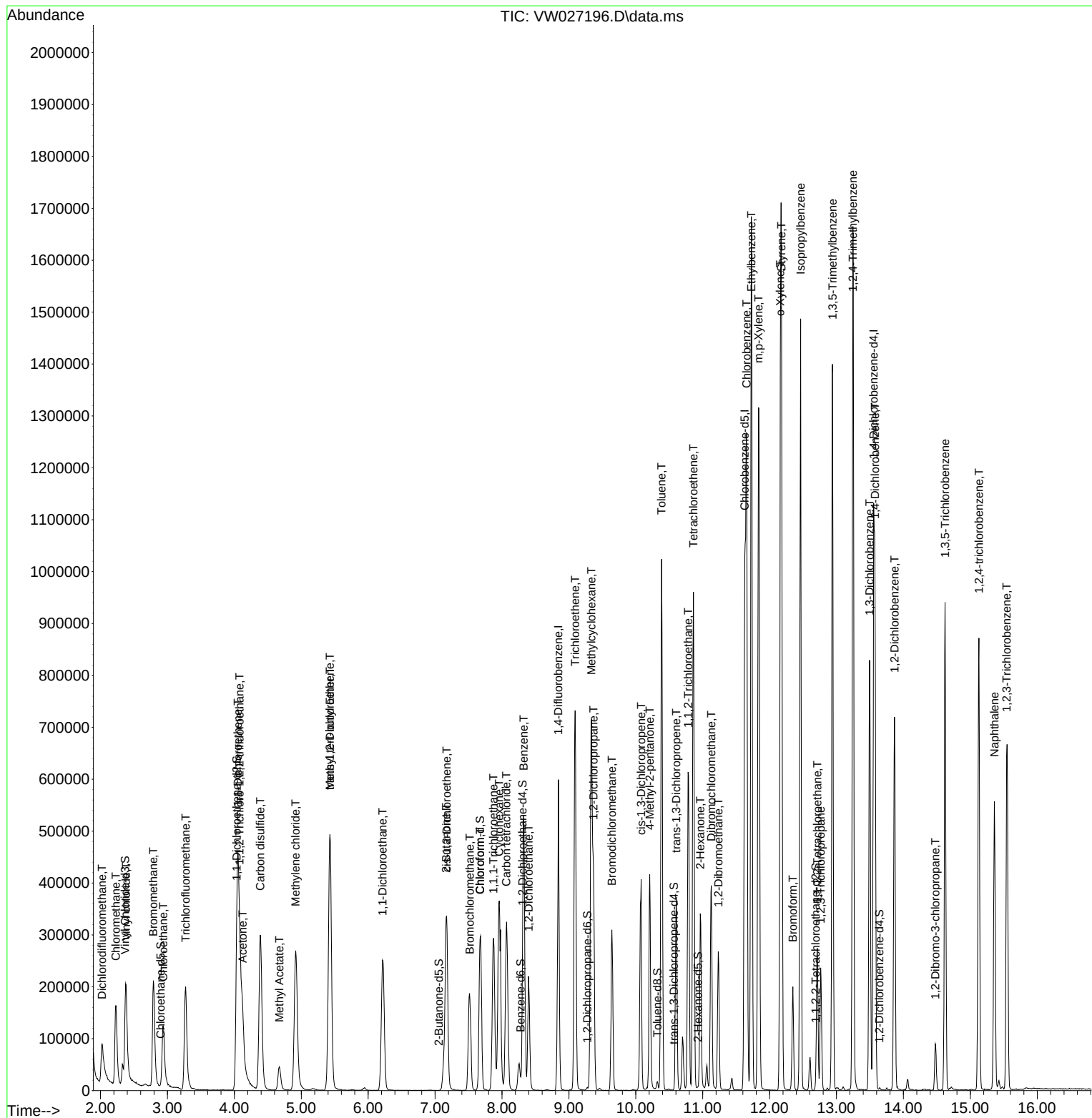
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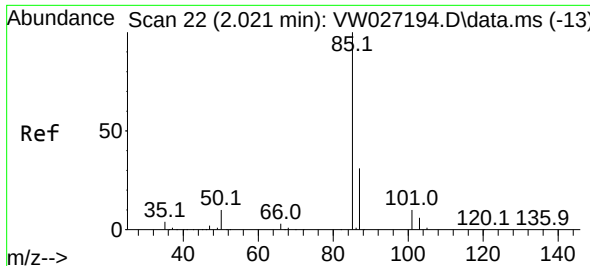
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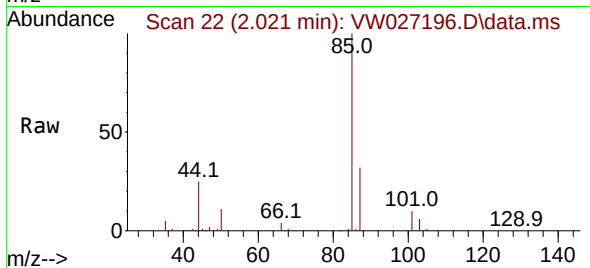
Reviewed By : Semsettin Yesilyurt 10/04/2023
 Supervised By : Mahesh Dadoda 10/04/2023





#2
Dichlorodifluoromethane
Concen: 28.463 ug/L
RT: 2.021 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

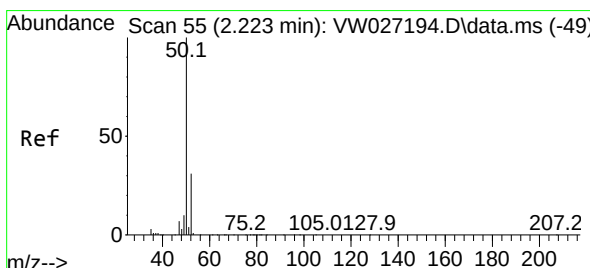
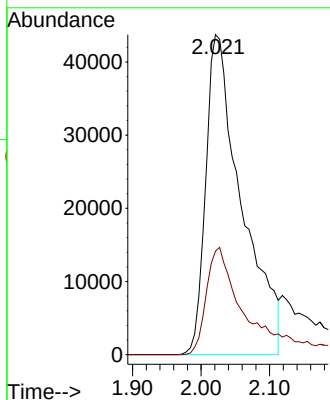
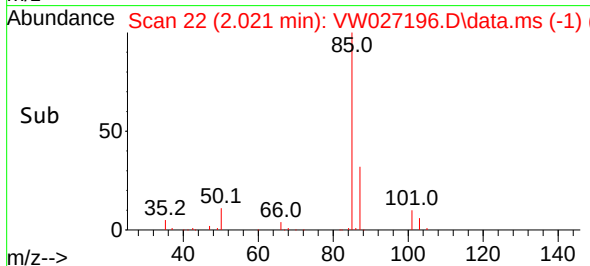
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 85 Resp: 15911
Ion Ratio Lower Upper
85 100
87 27.5 22.1 33.1

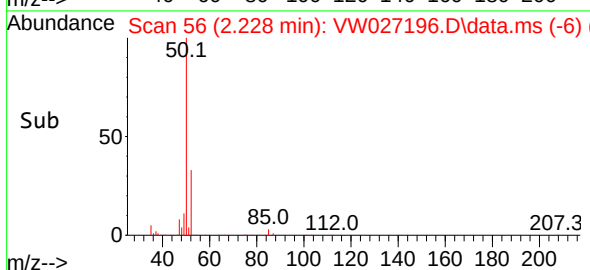
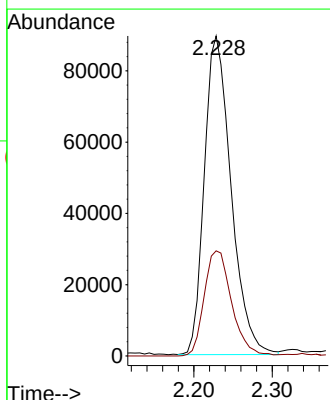
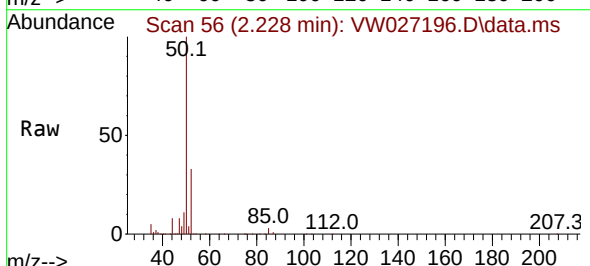
Manual Integrations
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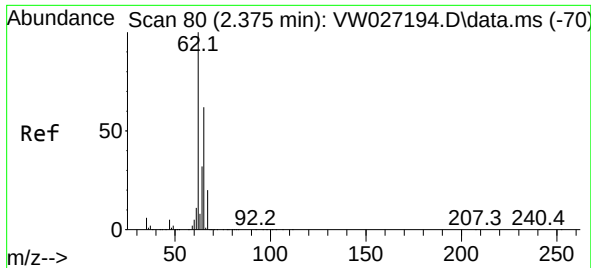
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#3
Chloromethane
Concen: 28.146 ug/L
RT: 2.228 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

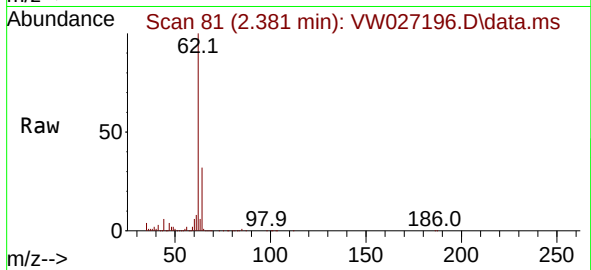
Tgt Ion: 50 Resp: 212388
Ion Ratio Lower Upper
50 100
52 32.9 23.5 43.7





#5
 Vinyl chloride
 Concen: 32.981 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW027196.D
 Acq: 03 Oct 2023 11:58

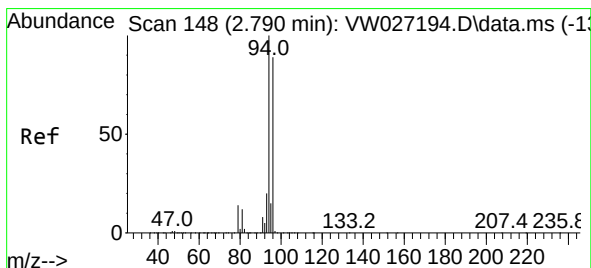
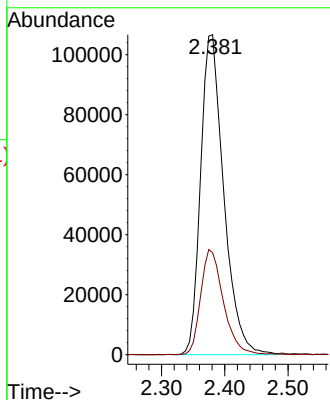
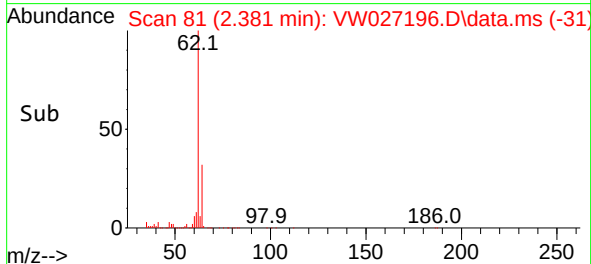
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 271729
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.2 41.2

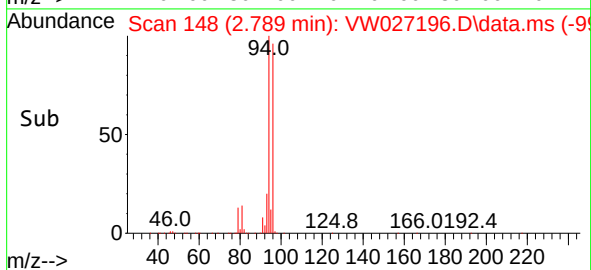
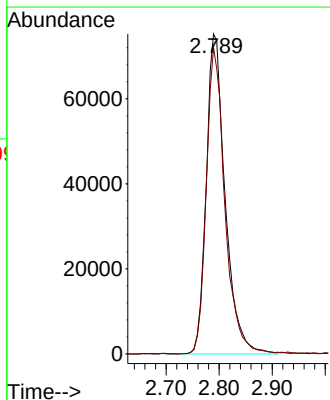
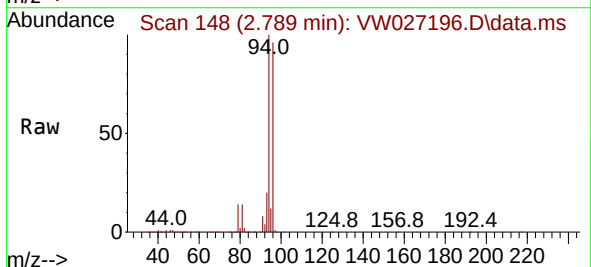
Manual Integrations
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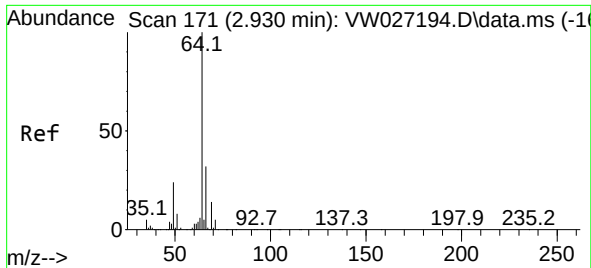
Reviewed By :Semsettin Yesilyurt 10/04/2023
 Supervised By :Mahesh Dadoda 10/04/2023



#6
 Bromomethane
 Concen: 34.324 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW027196.D
 Acq: 03 Oct 2023 11:58

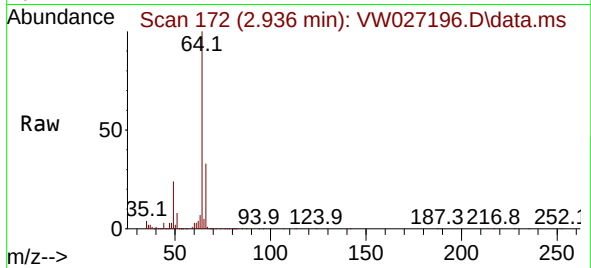
Tgt Ion: 94 Resp: 186310
 Ion Ratio Lower Upper
 94 100
 96 95.7 66.8 124.0





#8
Chloroethane
Concen: 33.781 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

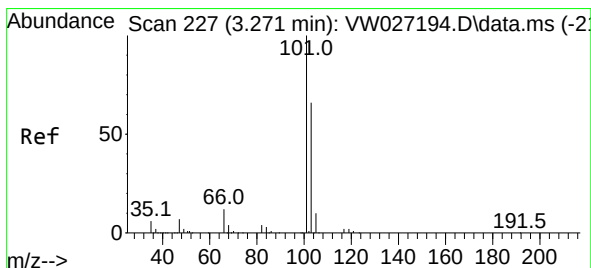
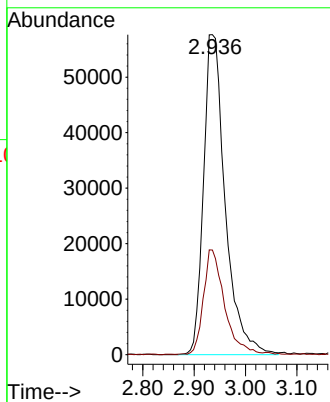
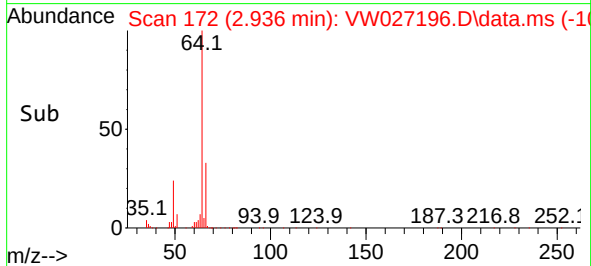
Instrument :
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MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 16891
Ion Ratio Lower Upper
64 100
66 32.7 21.5 39.9

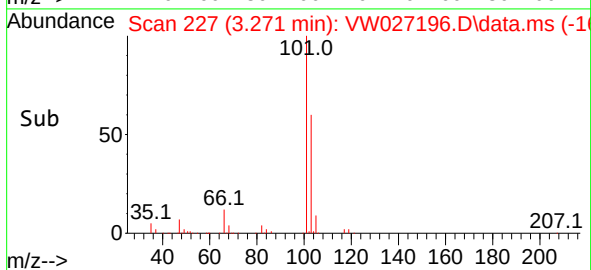
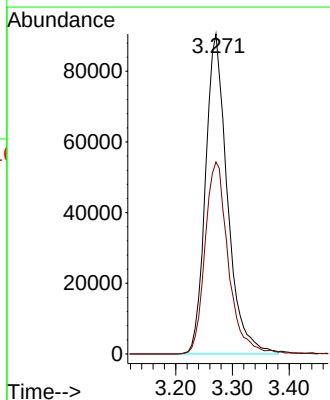
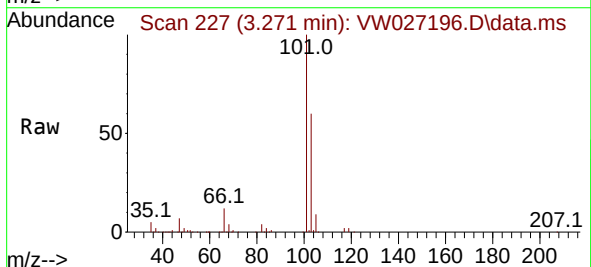
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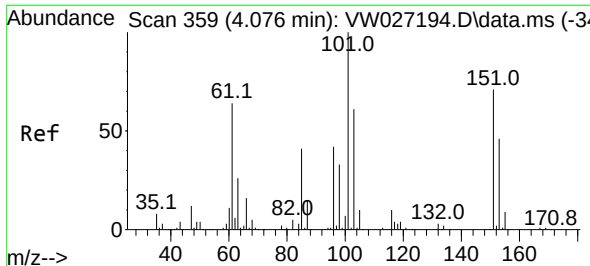
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#9
Trichlorofluoromethane
Concen: 35.052 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

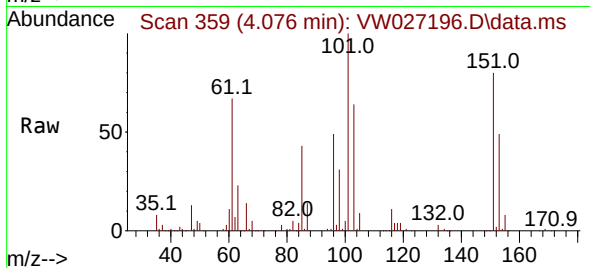
Tgt Ion:101 Resp: 242716
Ion Ratio Lower Upper
101 100
103 63.2 52.0 78.0





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 33.353 ug/L
RT: 4.076 min Scan# 359
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

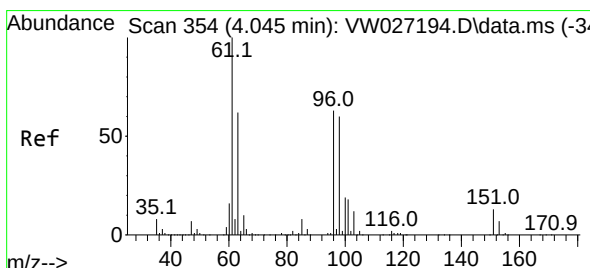
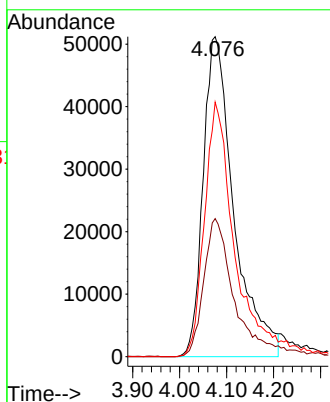
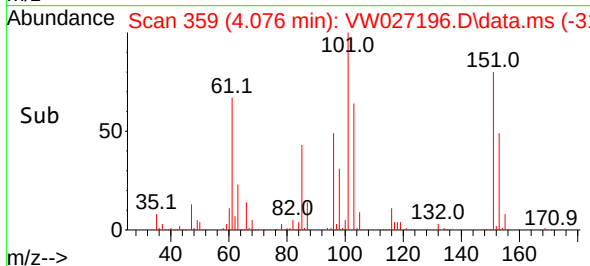
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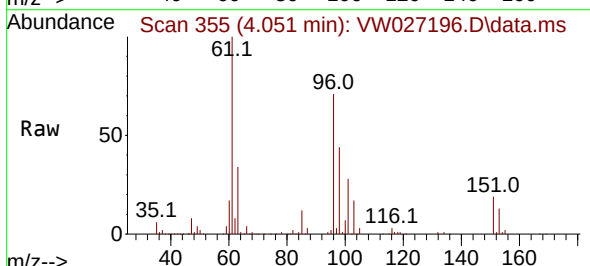
Tgt Ion:101 Resp: 232362
Ion Ratio Lower Upper
101 100
85 42.7 33.1 49.7
151 66.7 58.6 87.8

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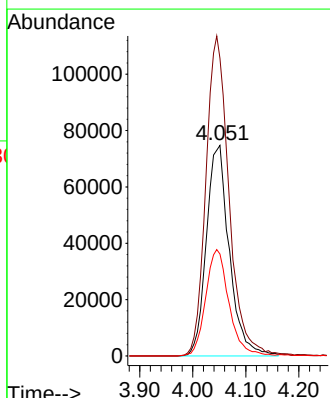
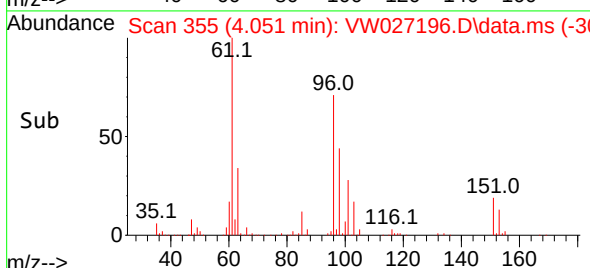
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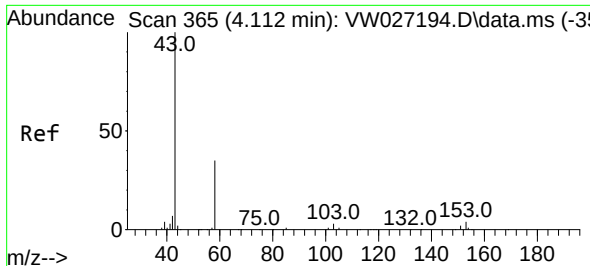


#12
1,1-Dichloroethene
Concen: 33.773 ug/L
RT: 4.051 min Scan# 355
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58



Tgt Ion: 96 Resp: 224790
Ion Ratio Lower Upper
96 100
61 141.3 109.8 204.0
63 48.4 76.9 142.7#





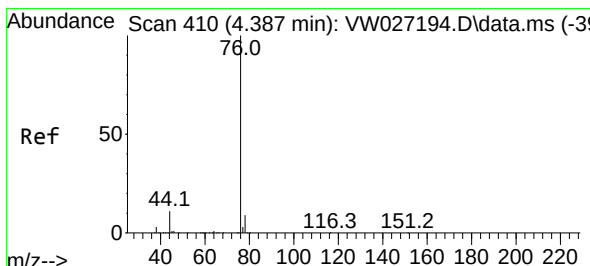
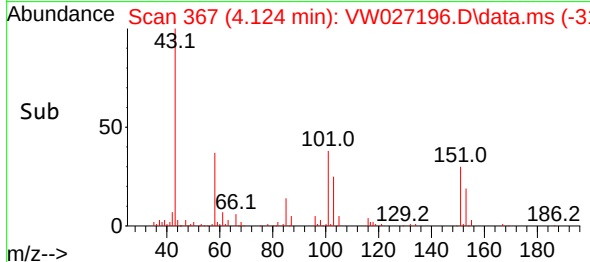
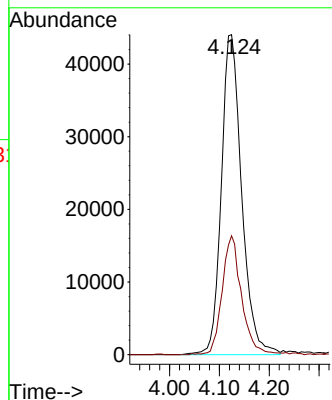
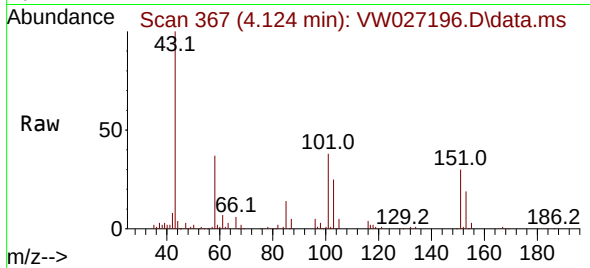
#13
Acetone
Concen: 72.310 ug/L
RT: 4.124 min Scan# 367
Delta R.T. 0.012 min
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Tgt Ion: 43 Resp: 124862
Ion Ratio Lower Upper
43 100
58 35.4 0.0 70.4

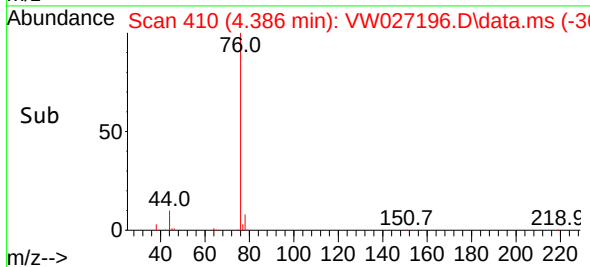
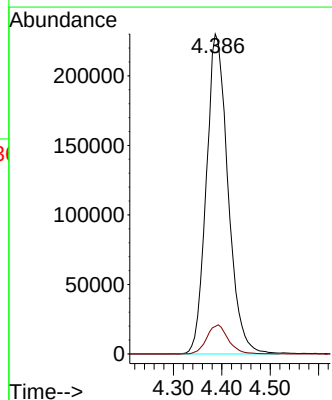
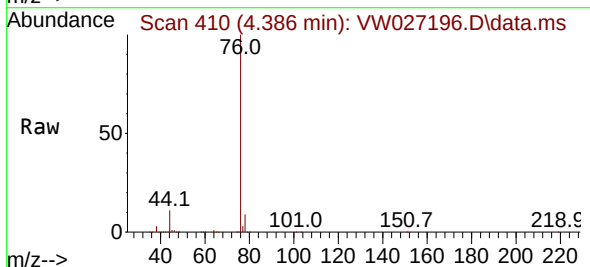
Manual Integrations
APPROVED

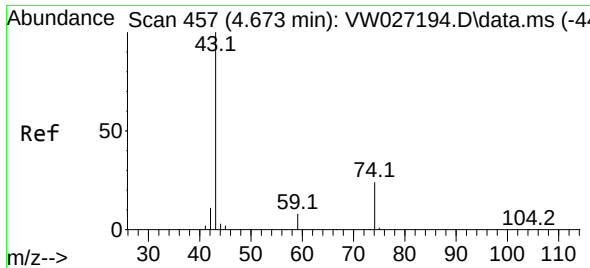
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#14
Carbon disulfide
Concen: 32.111 ug/L
RT: 4.386 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

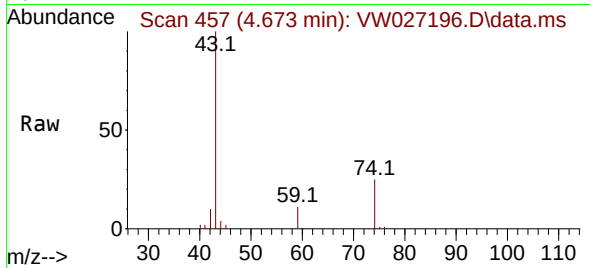
Tgt Ion: 76 Resp: 717352
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6





#15
Methyl Acetate
Concen: 30.383 ug/L
RT: 4.673 min Scan# 457
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

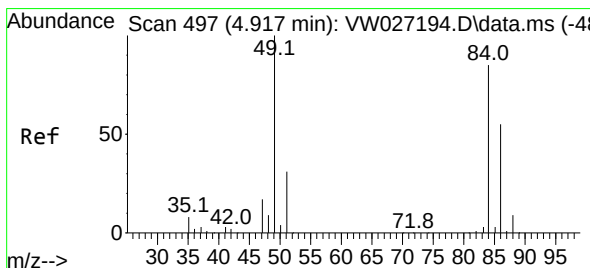
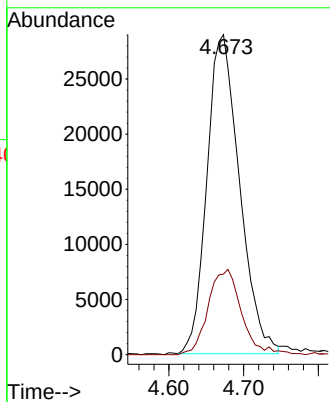
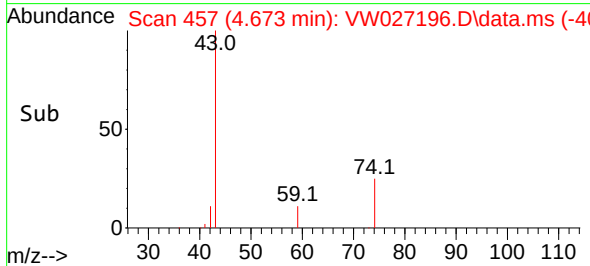
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



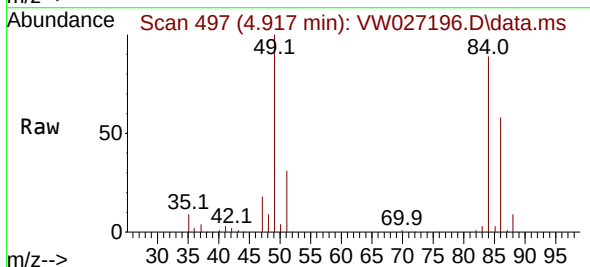
Tgt Ion: 43 Resp: 87930
Ion Ratio Lower Upper
43 100
74 26.3 20.8 31.2

Manual Integrations
APPROVED

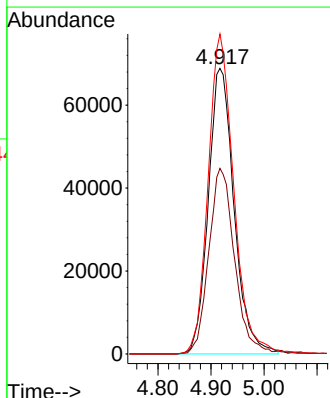
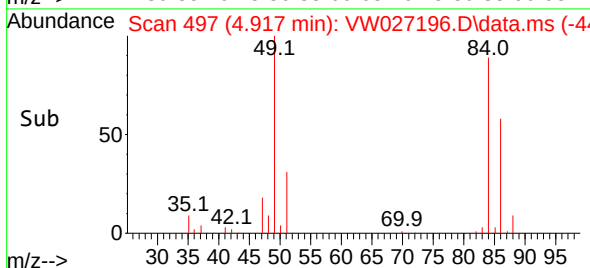
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

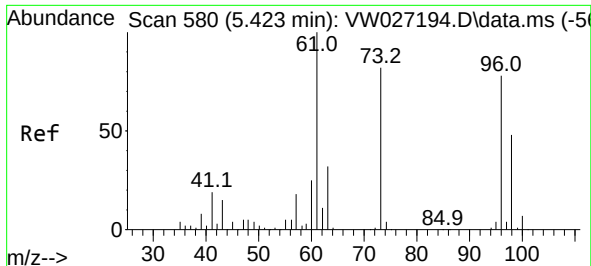


#16
Methylene chloride
Concen: 27.628 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58



Tgt Ion: 84 Resp: 232682
Ion Ratio Lower Upper
84 100
86 65.0 45.1 83.9
49 112.1 80.9 150.3





#17

trans-1,2-Dichloroethene

Concen: 30.665 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 96 Resp: 219600

Ion Ratio Lower Upper

96 100

61 137.3 93.5 173.7

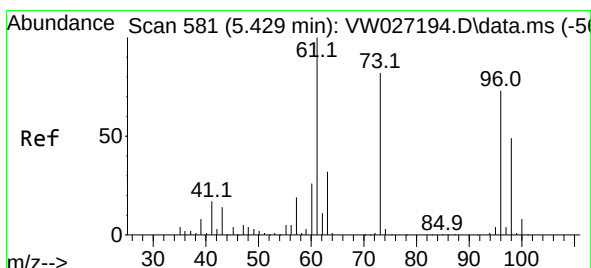
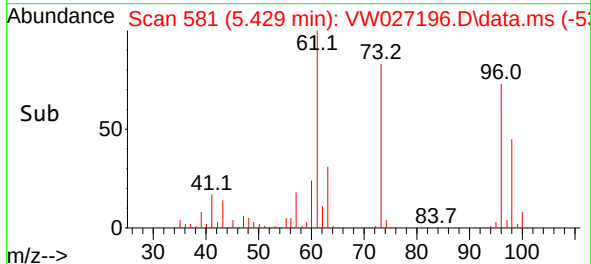
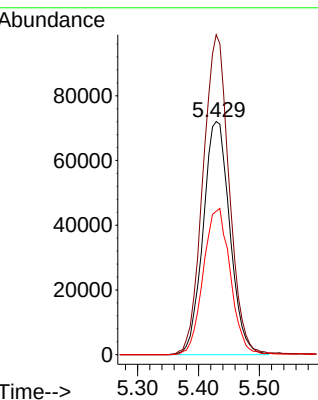
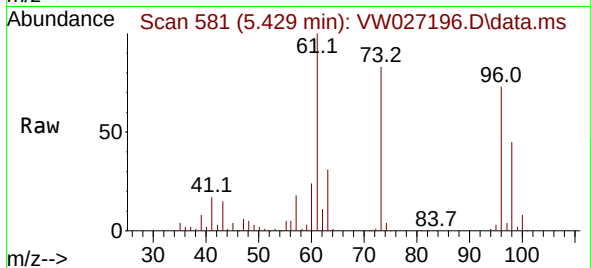
98 61.5 43.3 80.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#18

Methyl tert-butyl Ether

Concen: 32.426 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

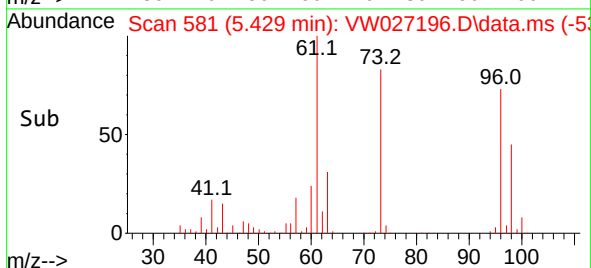
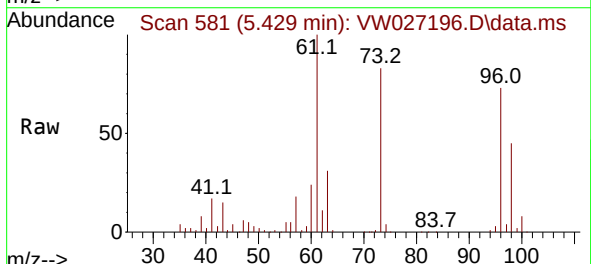
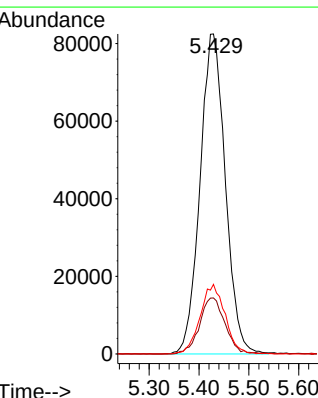
Tgt Ion: 73 Resp: 290598

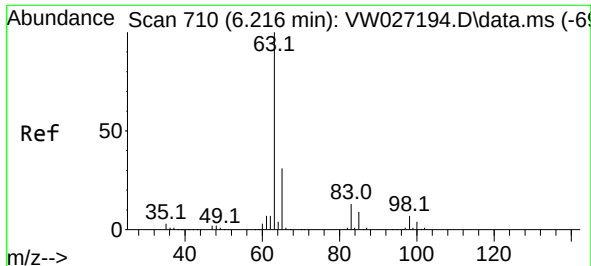
Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.2

57 21.3 18.3 27.5





#19

1,1-Dichloroethane

Concen: 28.247 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

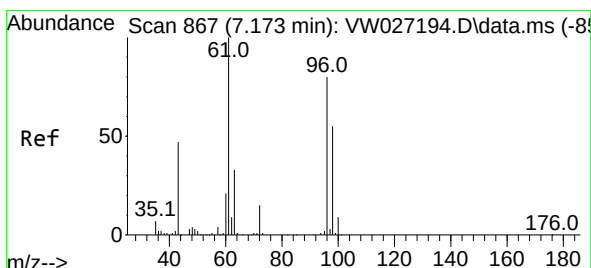
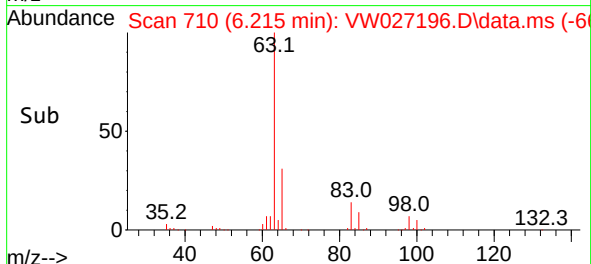
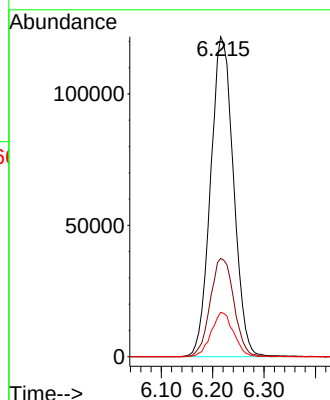
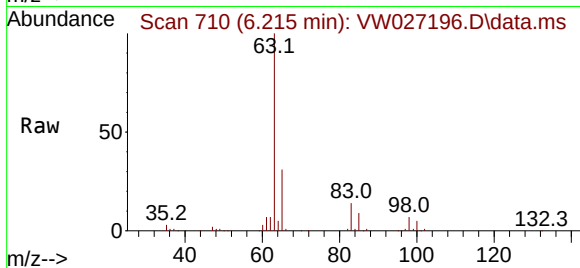
Tgt Ion: 63 Resp: 37724

Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.5	41.9
83	13.9	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: 23.568 ug/L

RT: 7.173 min Scan# 867

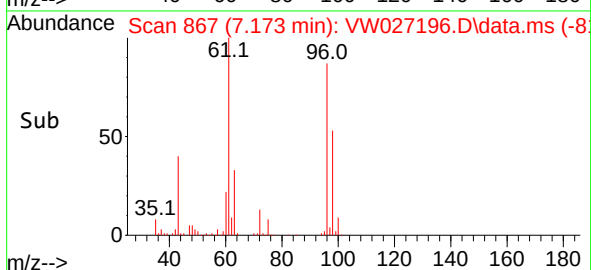
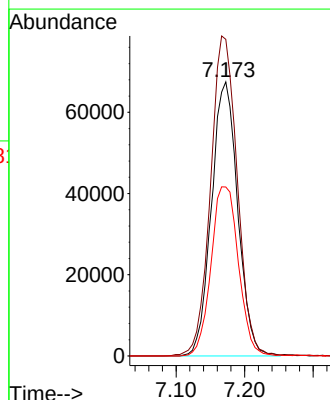
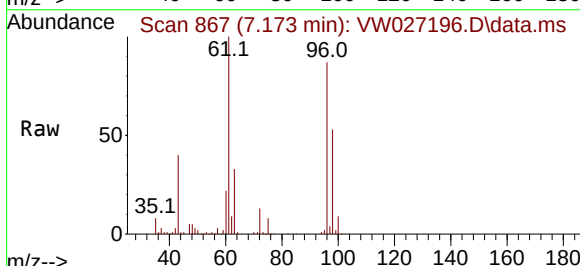
Delta R.T. -0.000 min

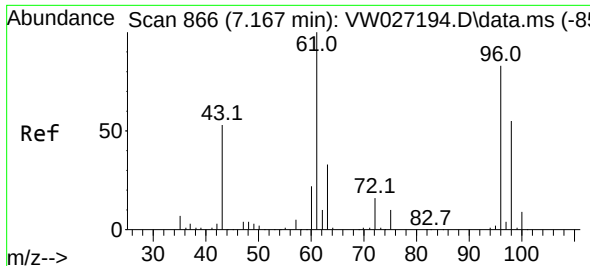
Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Tgt Ion: 96 Resp: 179915

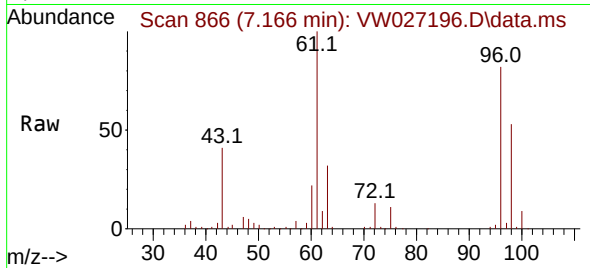
Ion	Ratio	Lower	Upper
96	100		
61	115.5	82.7	153.5
98	61.6	43.0	80.0





#22
2-Butanone
Concen: 41.317 ug/L
RT: 7.166 min Scan# 80
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

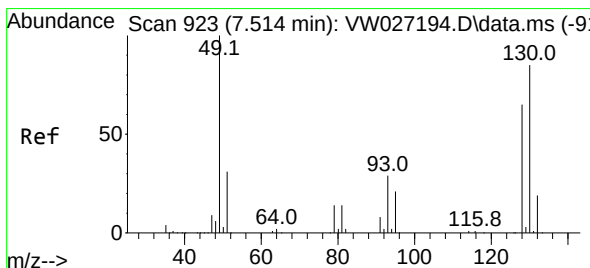
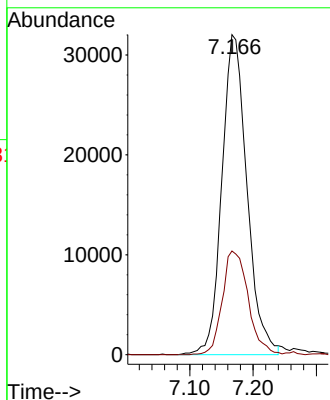
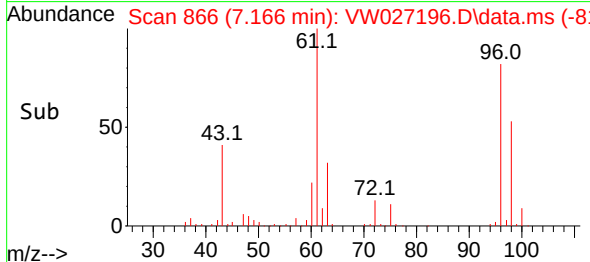
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



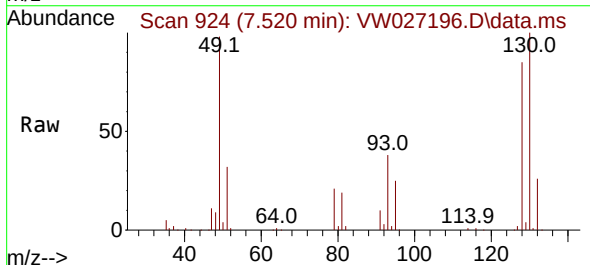
Tgt Ion: 43 Resp: 88236
Ion Ratio Lower Upper
43 100
72 33.3 14.6 44.0

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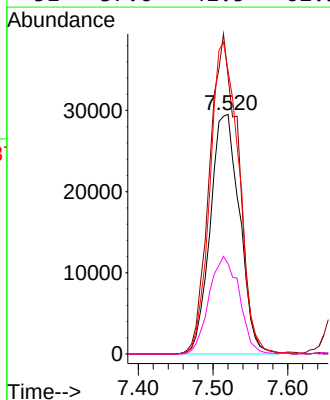
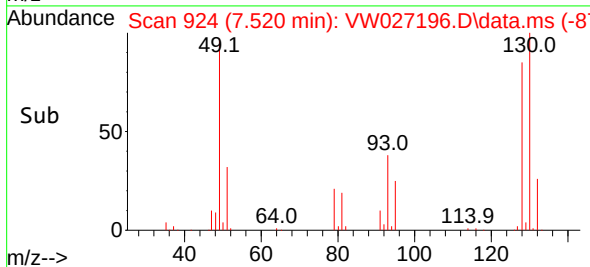
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

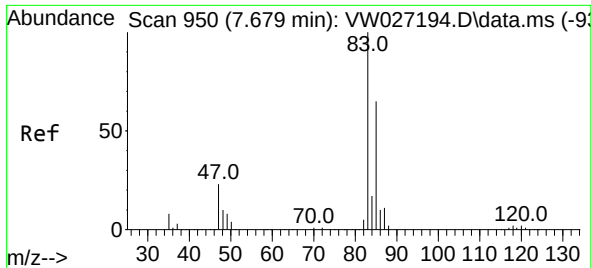


#23
Bromochloromethane
Concen: 23.157 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58



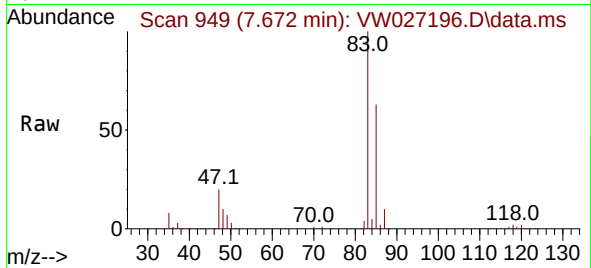
Tgt Ion:128 Resp: 80664
Ion Ratio Lower Upper
128 100
49 115.6 112.1 208.1
130 118.1 83.9 155.7
51 37.6 41.5 62.3#





#25
Chloroform
Concen: 24.264 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

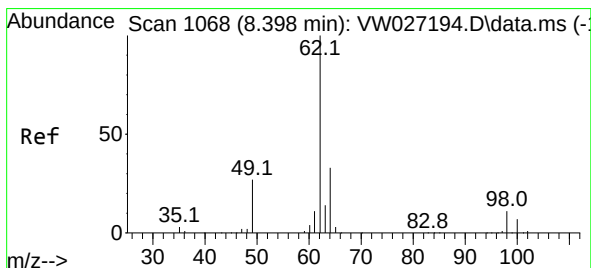
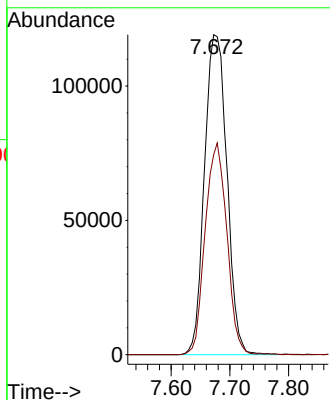
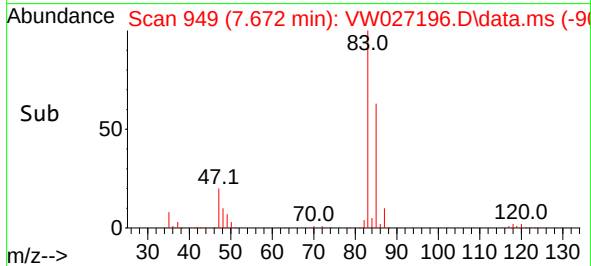
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 31606
Ion Ratio Lower Upper
83 100
85 62.5 47.7 88.5

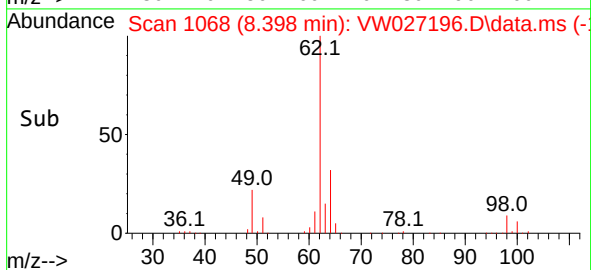
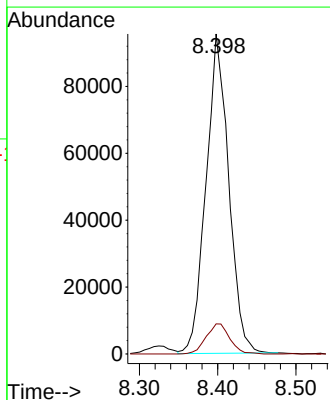
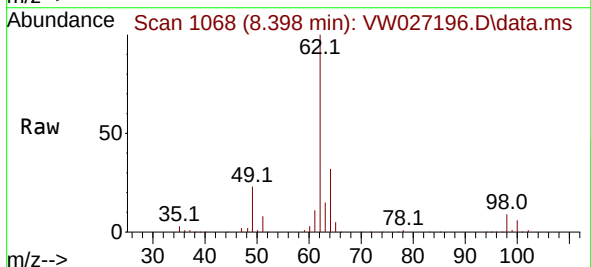
Manual Integrations
APPROVED

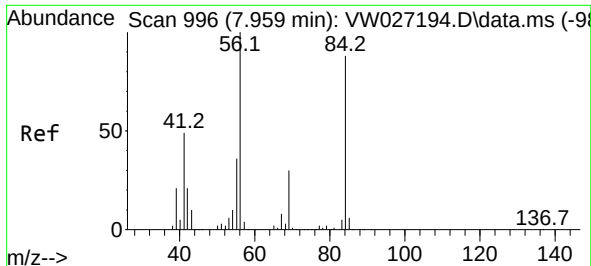
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#27
1,2-Dichloroethane
Concen: 24.059 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

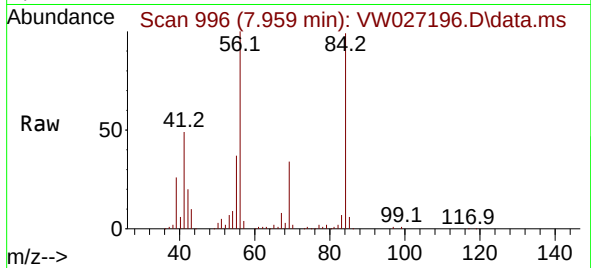
Tgt Ion: 62 Resp: 191980
Ion Ratio Lower Upper
62 100
98 9.4 7.9 11.9





#29
Cyclohexane
Concen: 11.685 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

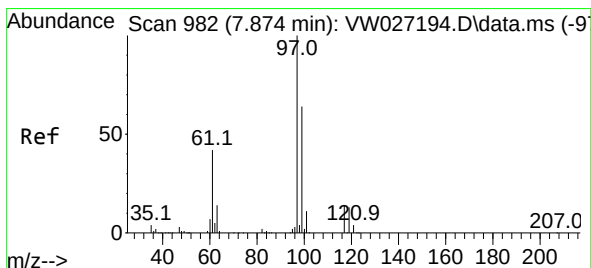
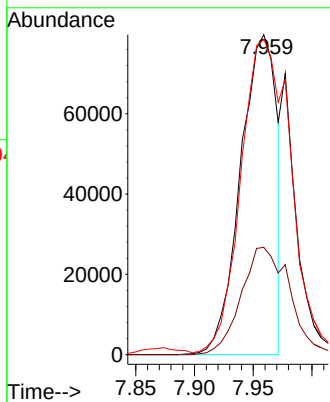
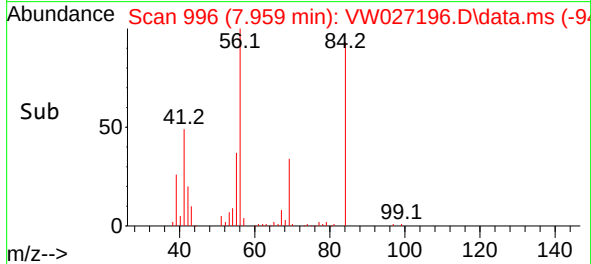
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 56 Resp: 171308
Ion Ratio Lower Upper
56 100
69 44.7 25.0 37.4
84 135.6 69.9 104.9

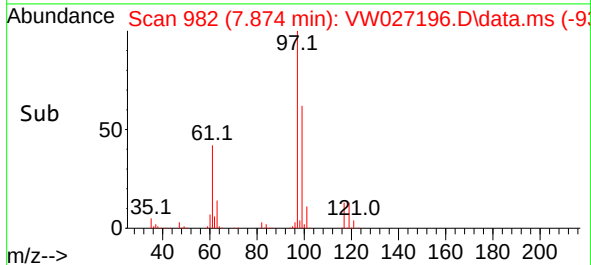
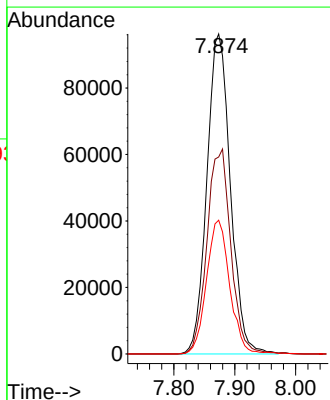
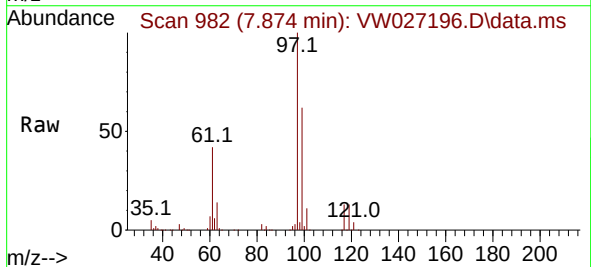
Manual Integrations
APPROVED

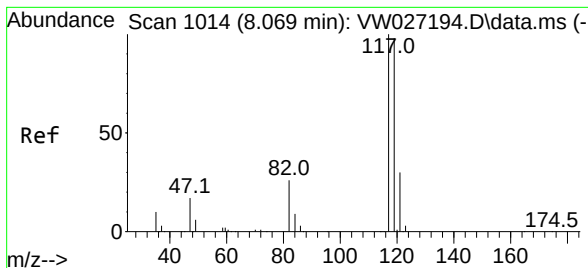
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#30
1,1,1-Trichloroethane
Concen: 18.866 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

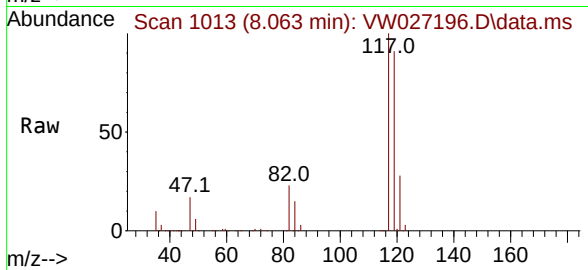
Tgt Ion: 97 Resp: 258425
Ion Ratio Lower Upper
97 100
99 65.1 50.8 76.2
61 41.1 34.6 52.0





#31
Carbon tetrachloride
Concen: 20.645 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

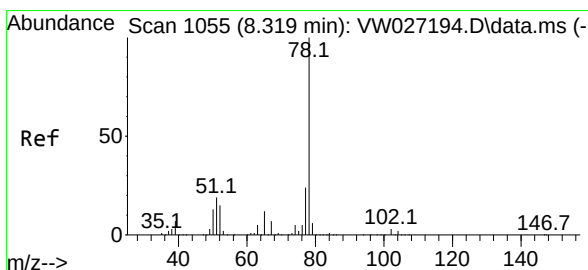
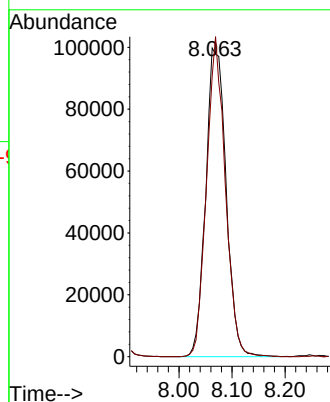
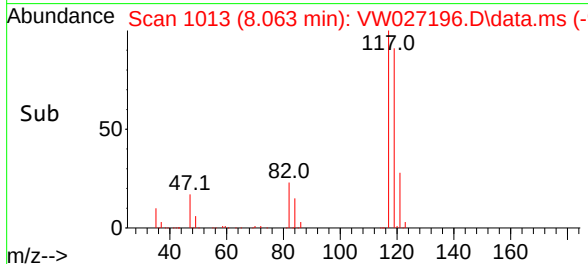
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 267110
Ion Ratio Lower Upper
117 100
119 95.2 77.0 115.6

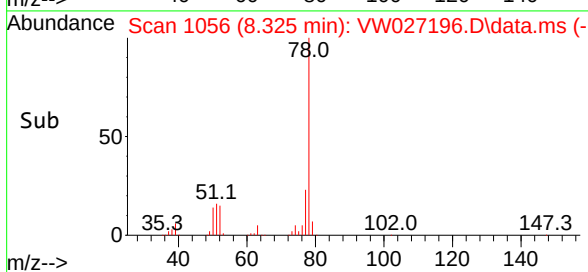
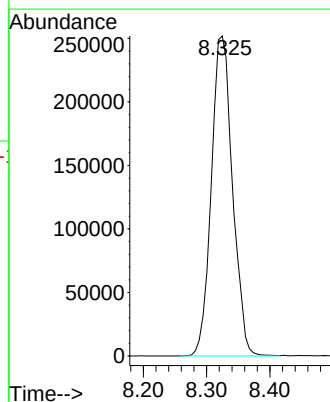
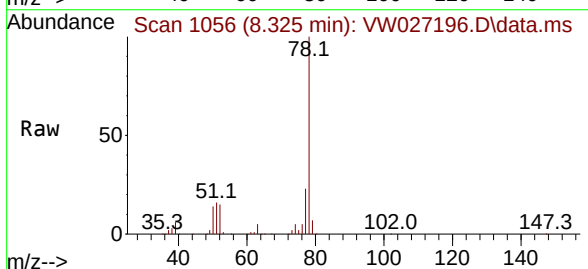
Manual Integrations
APPROVED

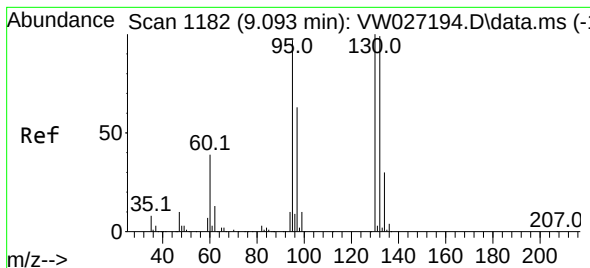
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#33
Benzene
Concen: 15.036 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

Tgt Ion: 78 Resp: 585610





#34

Trichloroethene

Concen: 25.871 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW027196.D

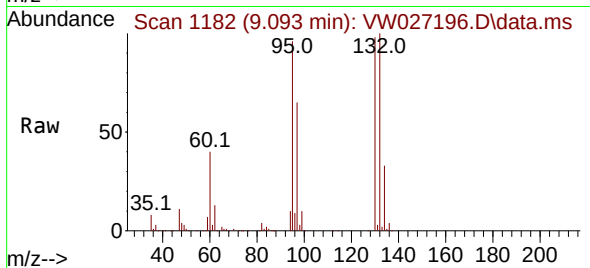
Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 95 Resp: 263118

Ion Ratio Lower Upper

95 100

97 67.6 46.1 85.7

132 104.5 71.5 132.9

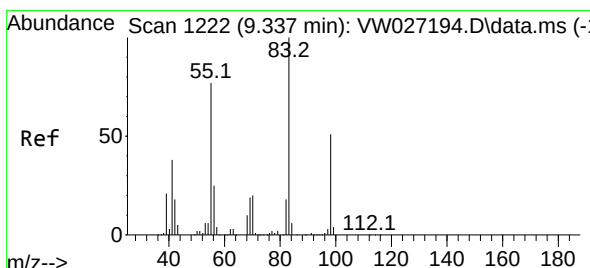
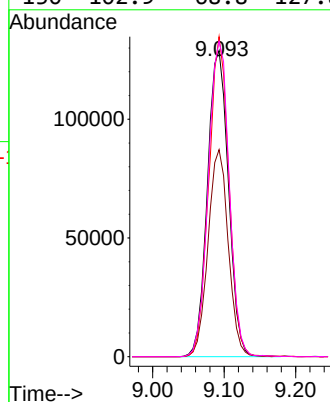
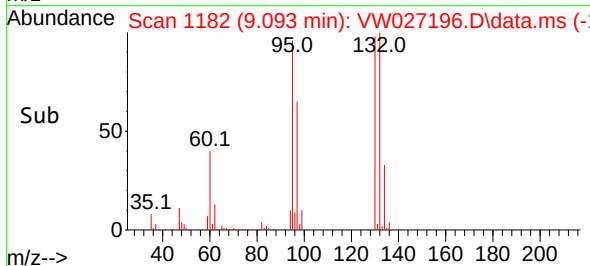
130 102.9 68.8 127.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#35

Methylcyclohexane

Concen: 17.677 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

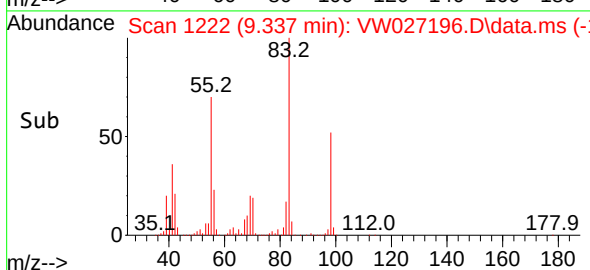
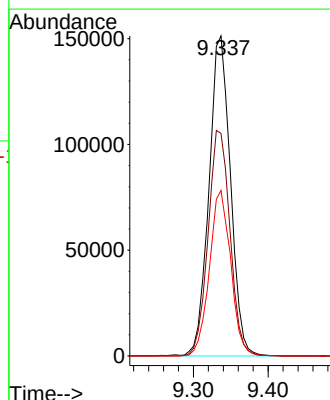
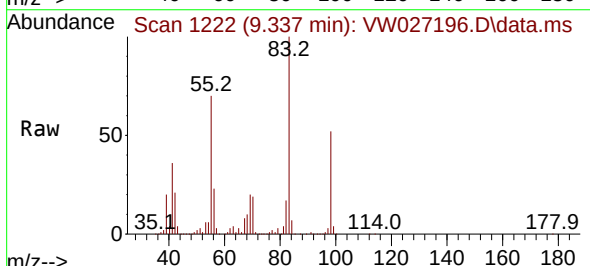
Tgt Ion: 83 Resp: 302381

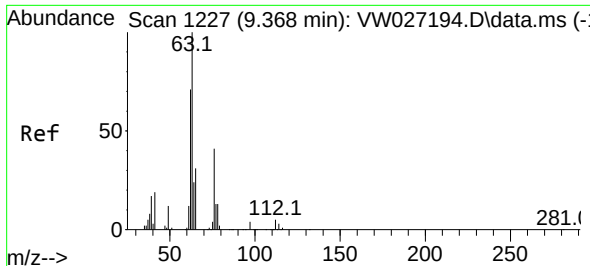
Ion Ratio Lower Upper

83 100

55 71.8 59.1 88.7

98 51.3 38.6 58.0





#37

1,2-Dichloropropane

Concen: 15.513 ug/L

RT: 9.367 min Scan# 112

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 155678

Ion Ratio Lower Upper

63 100

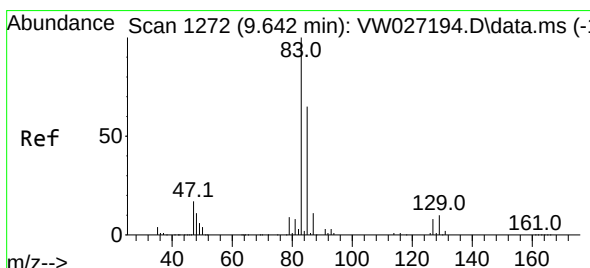
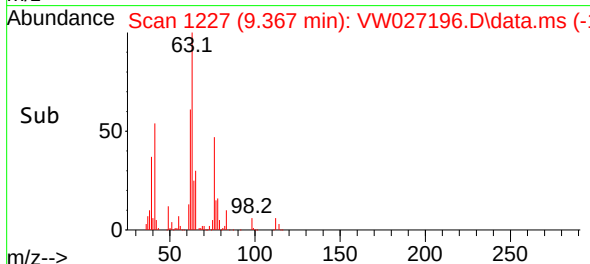
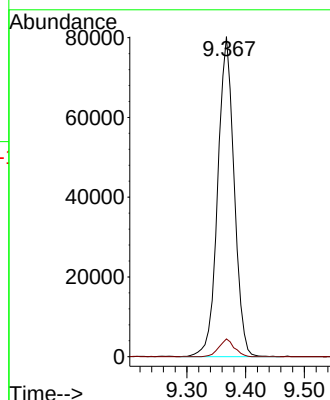
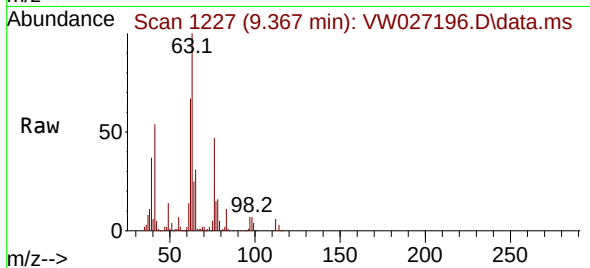
112 5.2 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#38

Bromodichloromethane

Concen: 17.629 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

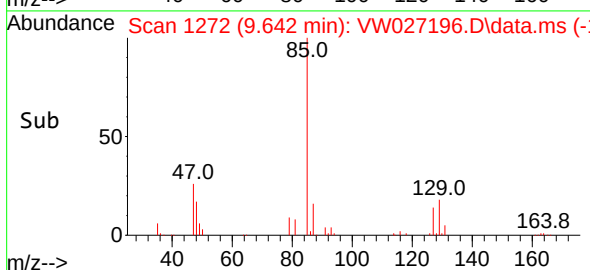
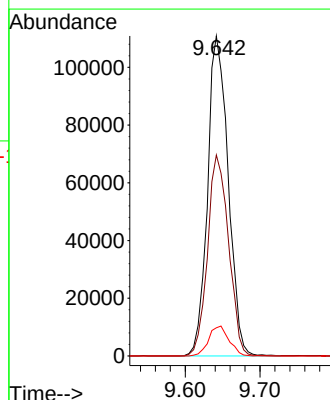
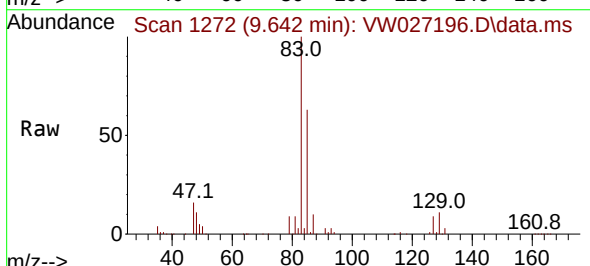
Tgt Ion: 83 Resp: 212480

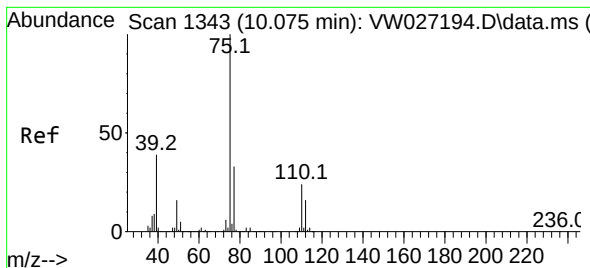
Ion Ratio Lower Upper

83 100

85 62.8 44.7 82.9

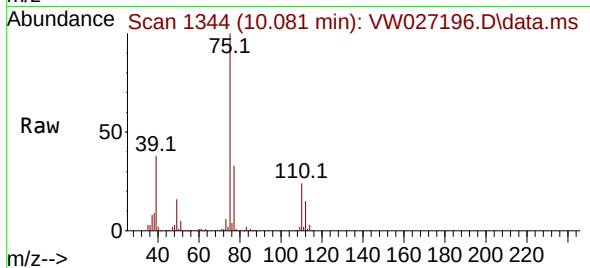
127 8.8 7.0 10.6





#39
cis-1,3-Dichloropropene
Concen: 16.251 ug/L
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

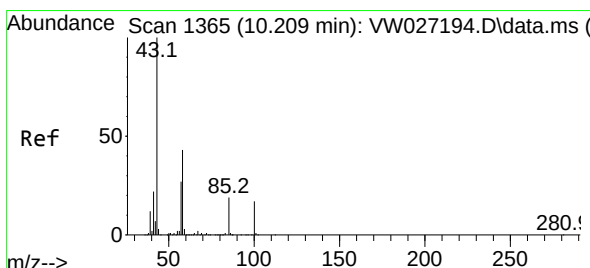
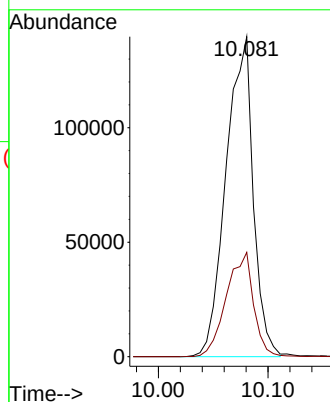
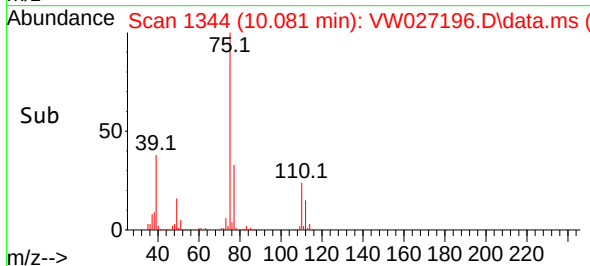
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



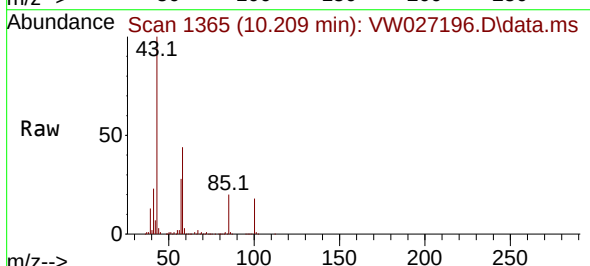
Tgt Ion: 75 Resp: 240289
Ion Ratio Lower Upper
75 100
77 32.6 22.3 41.3

Manual Integrations
APPROVED

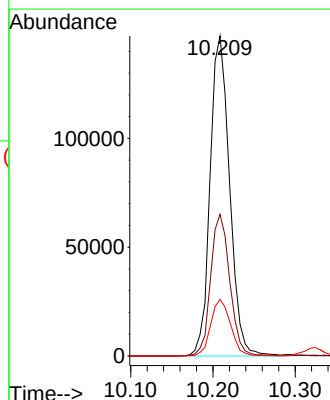
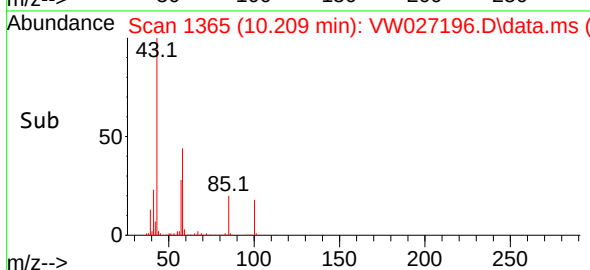
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

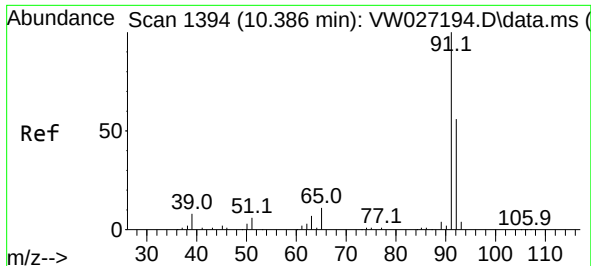


#40
4-Methyl-2-pentanone
Concen: 49.793 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58



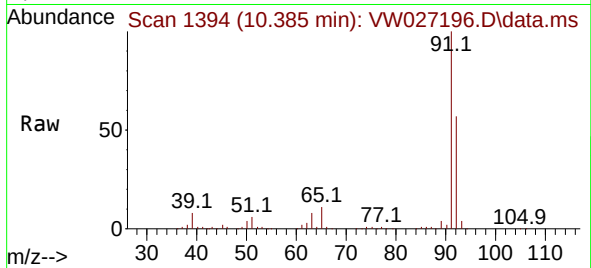
Tgt Ion: 43 Resp: 242419
Ion Ratio Lower Upper
43 100
58 43.4 33.8 50.6
100 18.0 13.7 20.5





#42
Toluene
Concen: 18.706 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

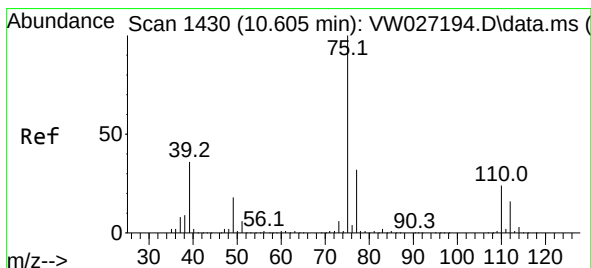
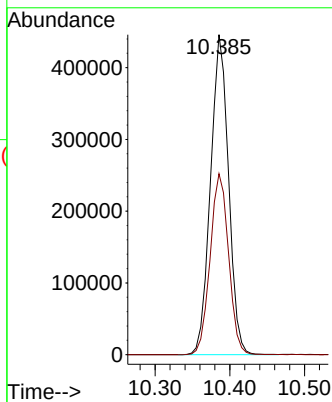
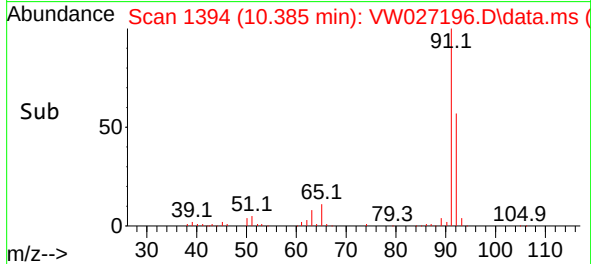
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 91 Resp: 748179
Ion Ratio Lower Upper
91 100
92 56.6 42.6 79.2

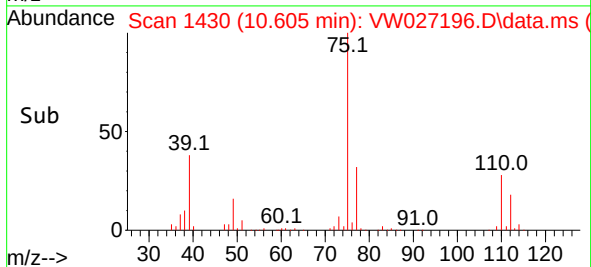
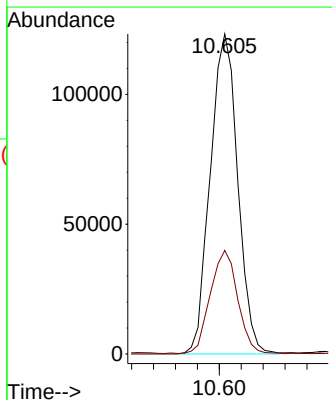
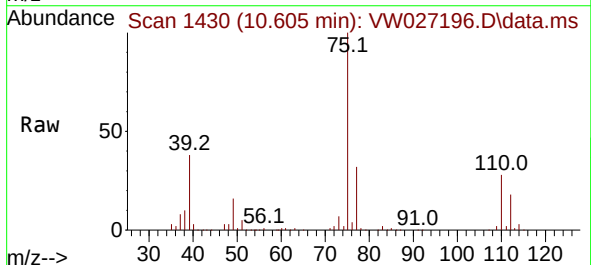
Manual Integrations
APPROVED

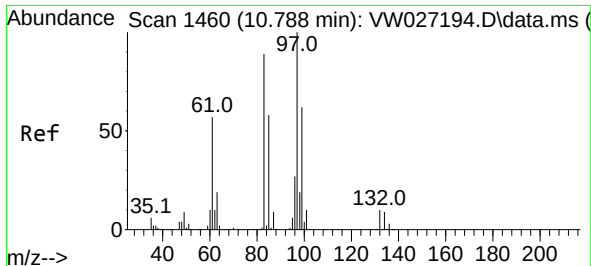
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#44
trans-1,3-Dichloropropene
Concen: 17.747 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

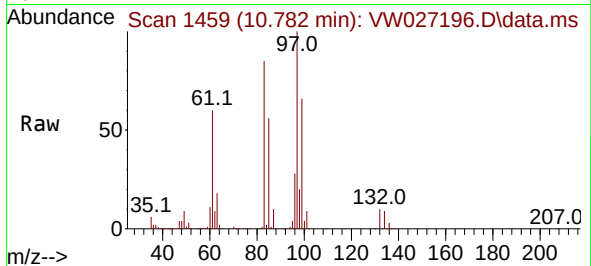
Tgt Ion: 75 Resp: 215071
Ion Ratio Lower Upper
75 100
77 32.3 21.6 40.2





#45
1,1,2-Trichloroethane
Concen: 28.083 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

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

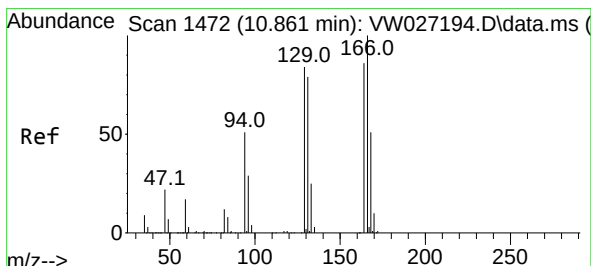
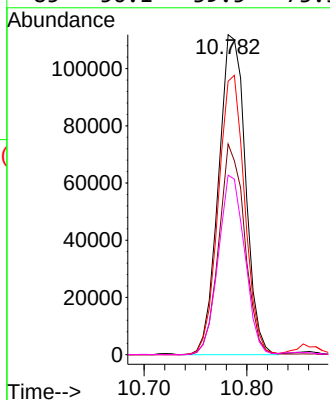
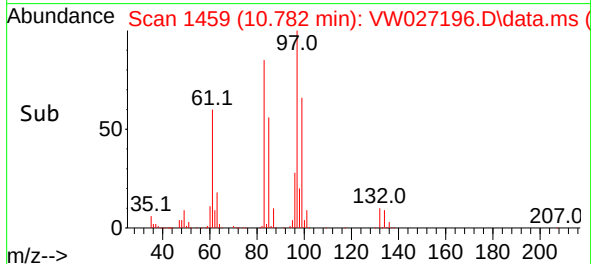


Tgt Ion: 97 Resp: 20394

Ion	Ratio	Lower	Upper
97	100		
99	65.9	45.3	84.1
83	85.5	59.5	110.5
85	56.1	39.5	73.3

Manual Integrations
APPROVED

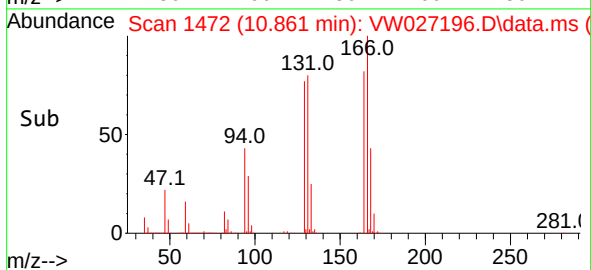
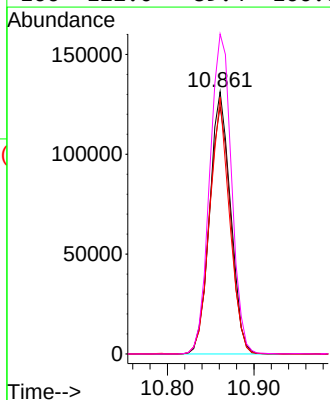
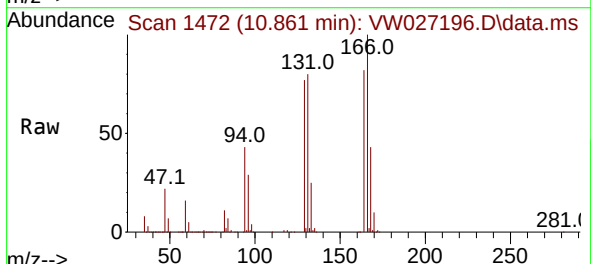
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

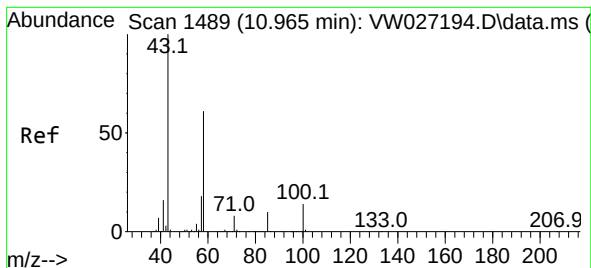


#46
Tetrachloroethene
Concen: 27.570 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

Tgt Ion:164 Resp: 220421

Ion	Ratio	Lower	Upper
164	100		
129	94.2	60.3	112.1
131	97.8	66.1	122.7
166	122.0	89.4	166.0





#48

2-Hexanone

Concen: 53.861 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW027196.D

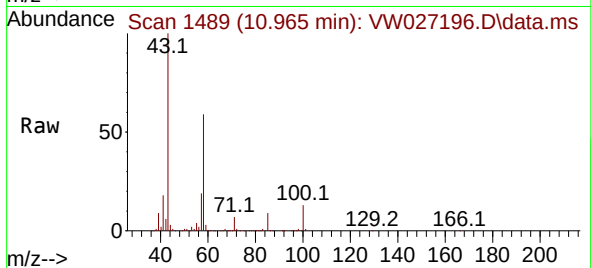
Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 20557

Ion Ratio Lower Upper

43 100

58 59.4 47.2 70.8

57 20.1 15.9 23.9

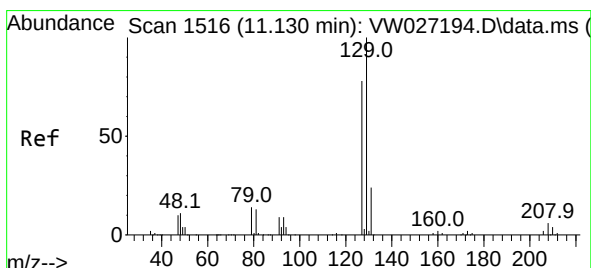
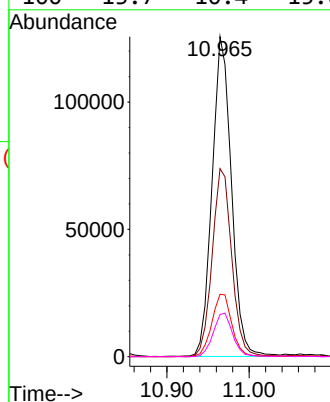
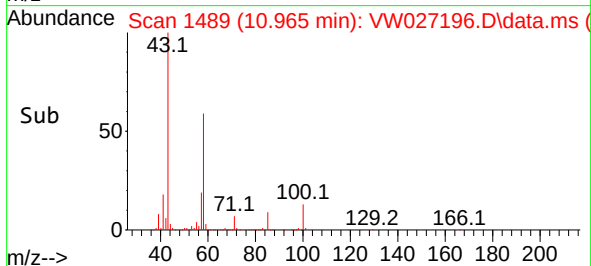
100 13.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#49

Dibromochloromethane

Concen: 27.247 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW027196.D

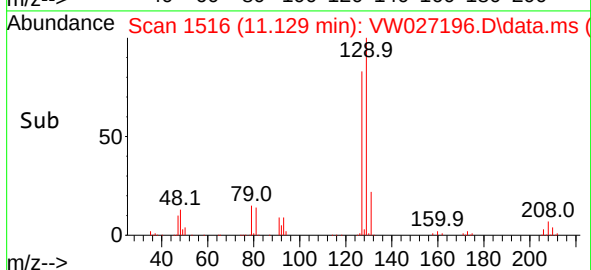
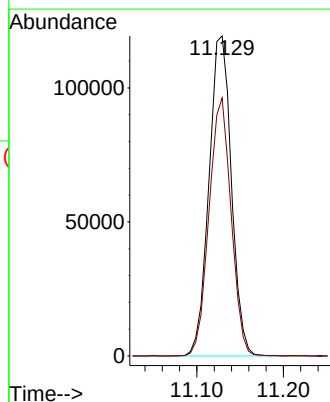
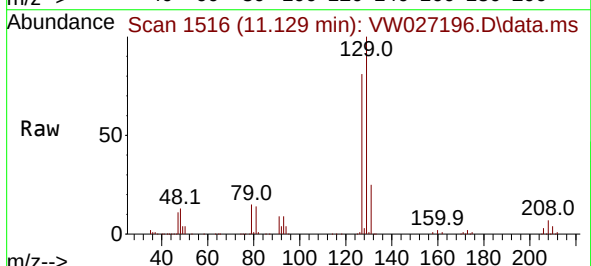
Acq: 03 Oct 2023 11:58

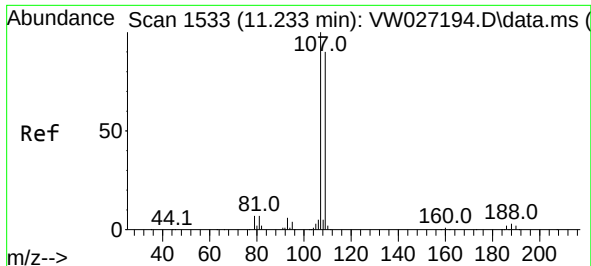
Tgt Ion:129 Resp: 214602

Ion Ratio Lower Upper

129 100

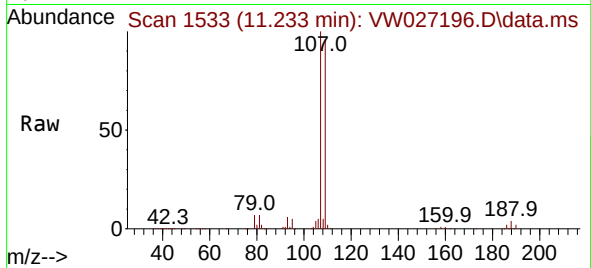
127 80.6 54.2 100.6





#50
1,2-Dibromoethane
Concen: 26.939 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

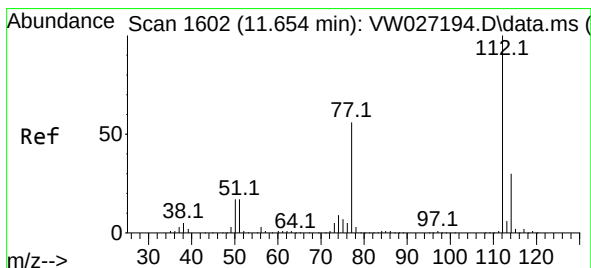
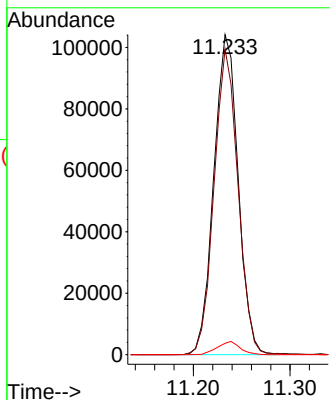
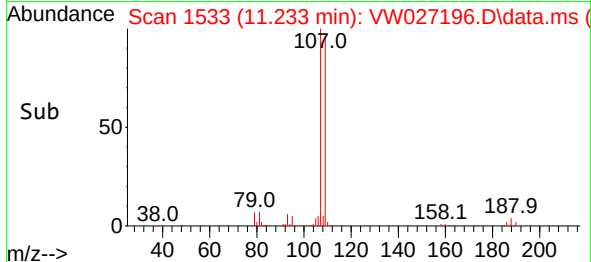
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:107 Resp: 181544
Ion Ratio Lower Upper
107 100
109 95.5 68.2 126.6
188 3.6 2.6 4.0

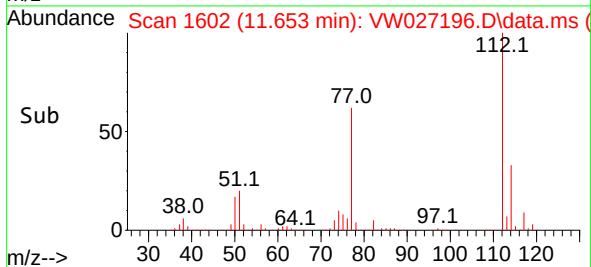
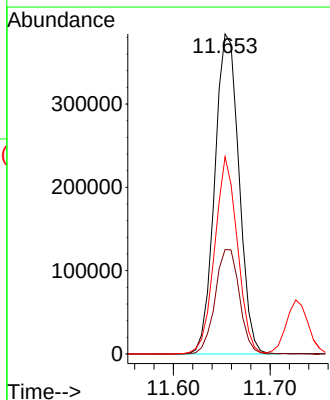
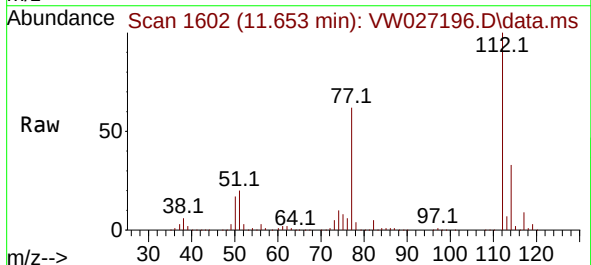
Manual Integrations
APPROVED

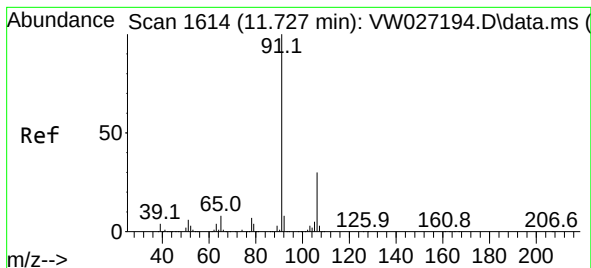
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#51
Chlorobenzene
Concen: 25.172 ug/L
RT: 11.653 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

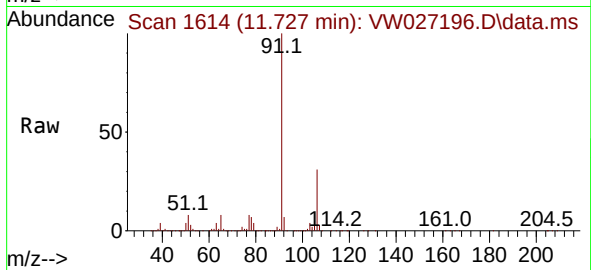
Tgt Ion:112 Resp: 668115
Ion Ratio Lower Upper
112 100
114 32.7 21.9 40.7
77 61.6 47.4 71.0





#52
Ethylbenzene
Concen: 26.120 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

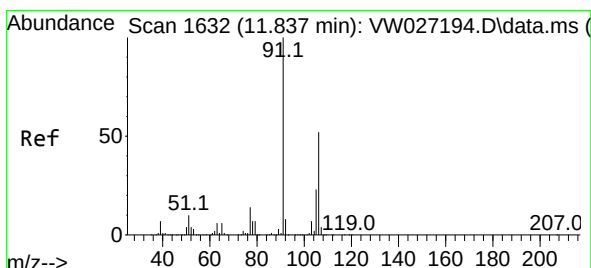
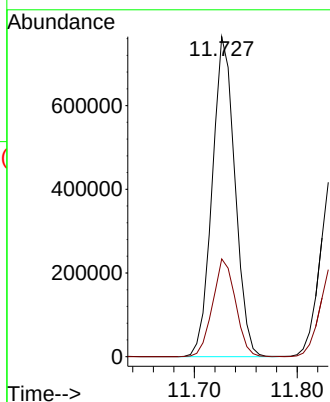
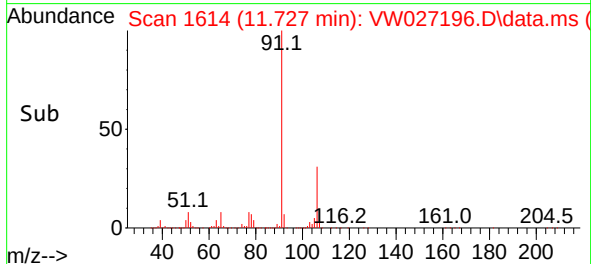
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 91 Resp: 1173640
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.6

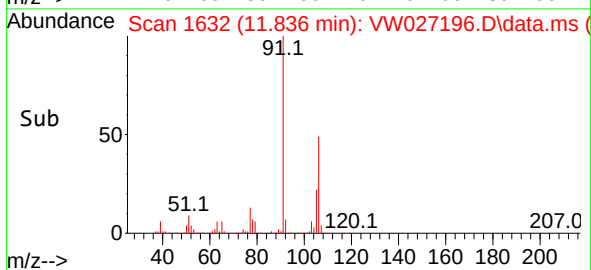
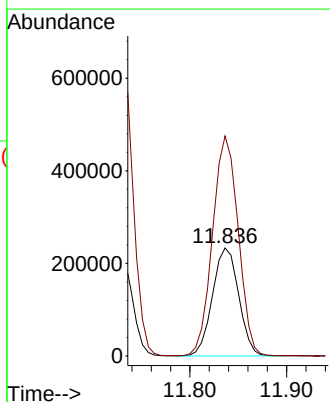
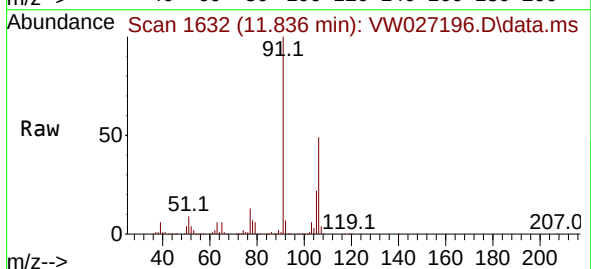
Manual Integrations
APPROVED

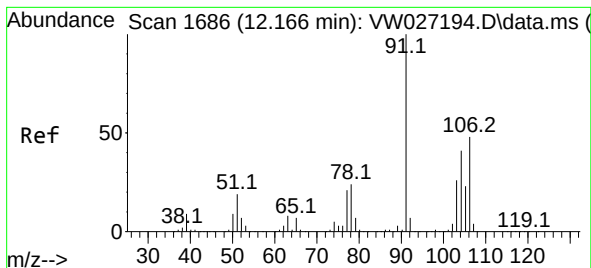
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#53
m,p-Xylene
Concen: 25.446 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

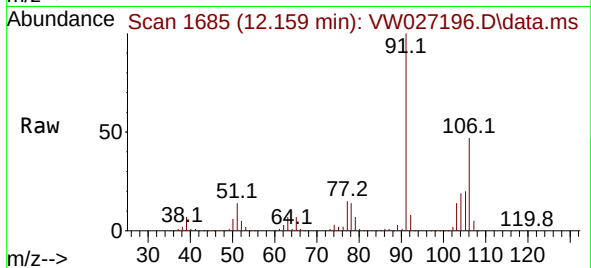
Tgt Ion:106 Resp: 438411
Ion Ratio Lower Upper
106 100
91 203.7 145.9 270.9





#54
o-Xylene
Concen: 20.040 ug/L
RT: 12.159 min Scan# 106
Delta R.T. -0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

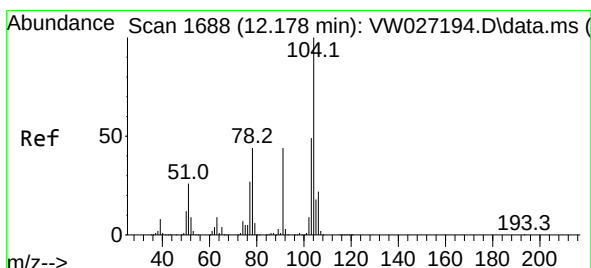
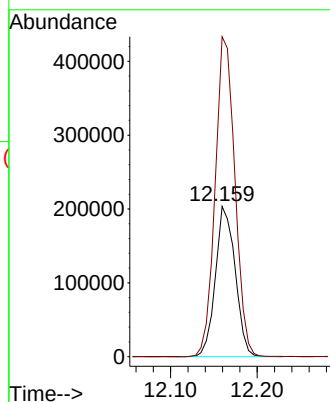
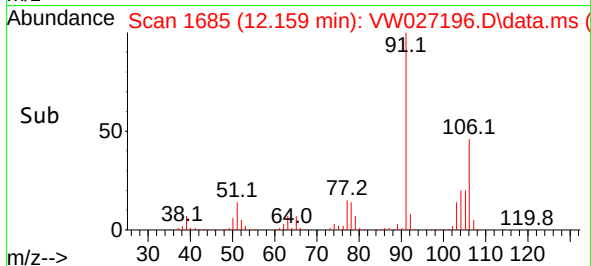
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:106 Resp: 32253
Ion Ratio Lower Upper
106 100
91 212.9 149.5 277.7

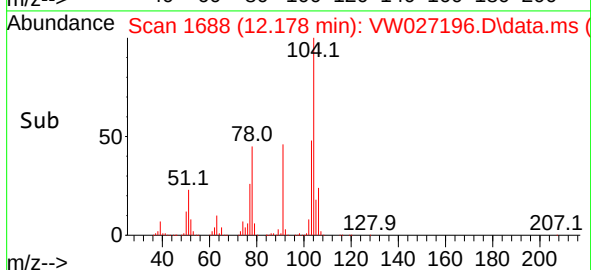
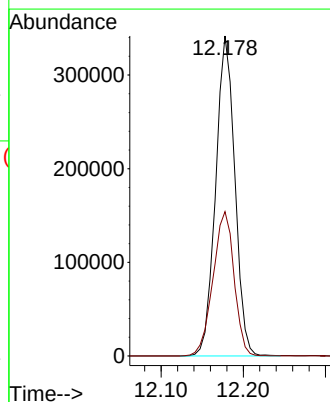
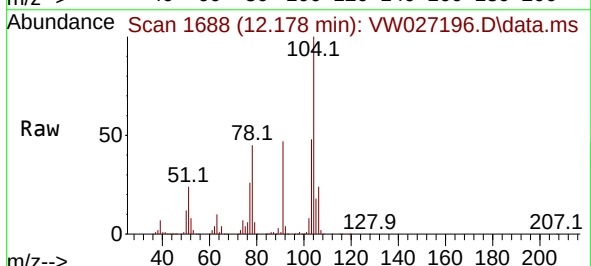
Manual Integrations
APPROVED

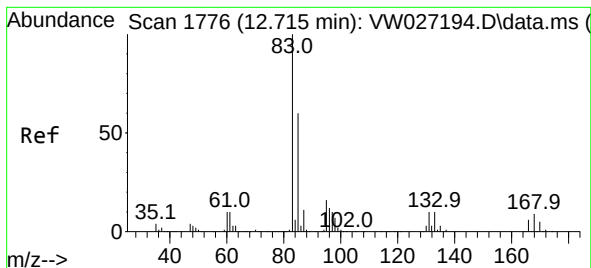
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#55
Styrene
Concen: 19.994 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

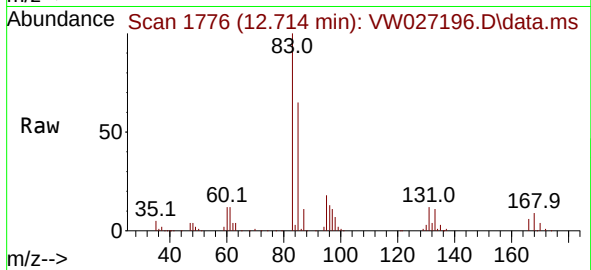
Tgt Ion:104 Resp: 553946
Ion Ratio Lower Upper
104 100
78 45.1 30.1 55.9





#57
1,1,2,2-Tetrachloroethane
Concen: 15.267 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

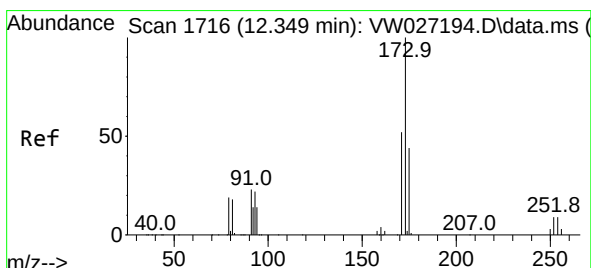
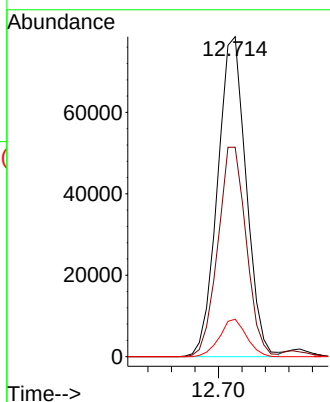
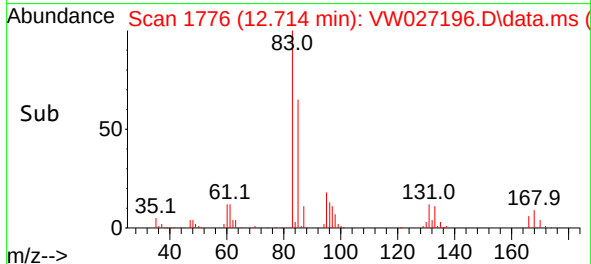
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 132992
Ion Ratio Lower Upper
83 100
85 65.5 43.5 80.7
131 11.7 7.6 11.4

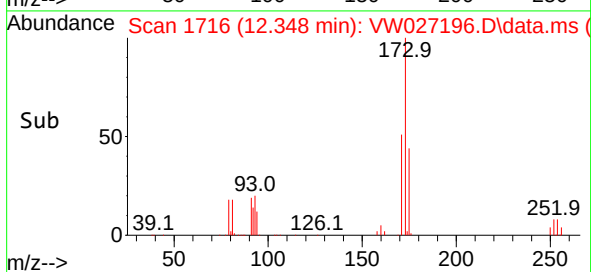
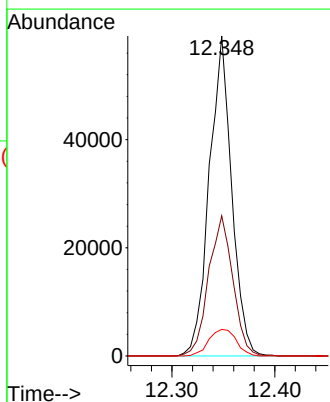
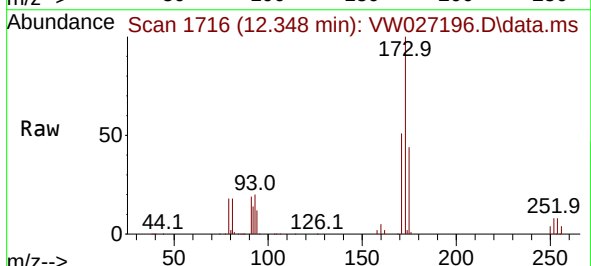
Manual Integrations
APPROVED

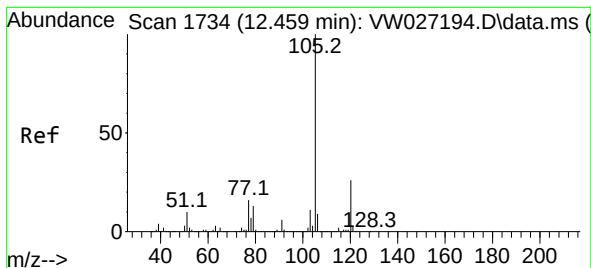
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#59
Bromoform
Concen: 25.072 ug/L
RT: 12.348 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

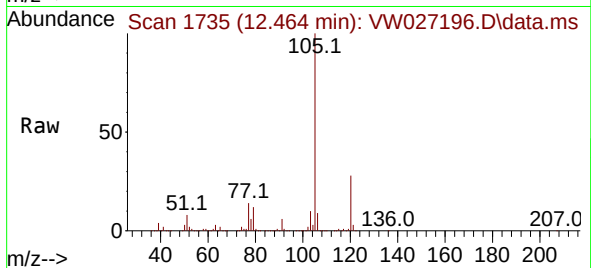
Tgt Ion:173 Resp: 89676
Ion Ratio Lower Upper
173 100
175 47.4 37.1 55.7
254 10.2 7.2 10.8





#60
Isopropylbenzene
Concen: 25.203 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

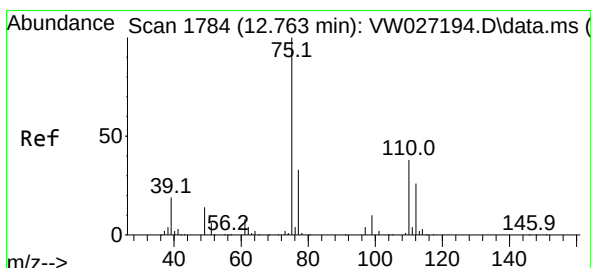
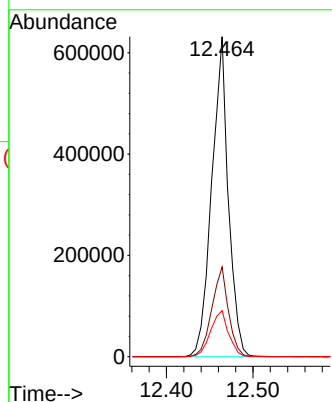
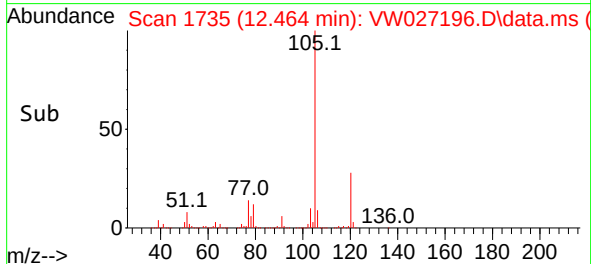
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:105 Resp: 84060
Ion Ratio Lower Upper
105 100
120 28.1 21.0 31.6
77 15.6 12.5 18.7

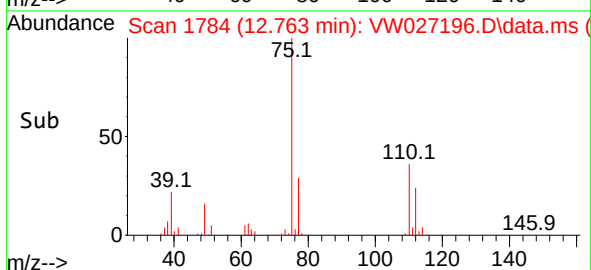
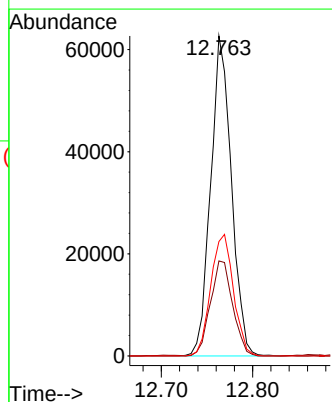
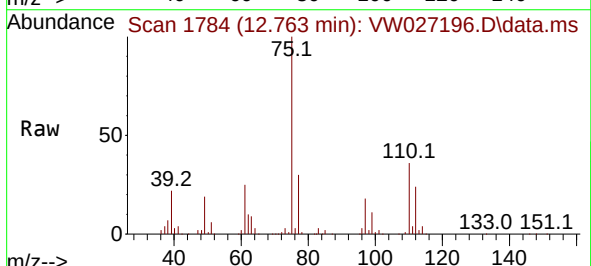
Manual Integrations
APPROVED

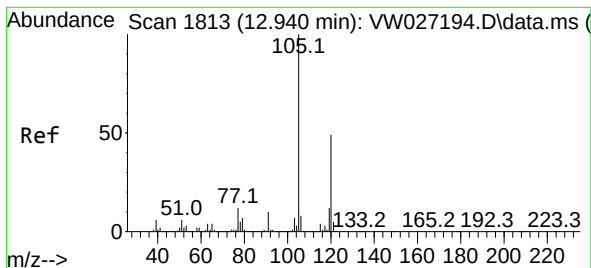
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#61
1,2,3-Trichloropropane
Concen: 21.265 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

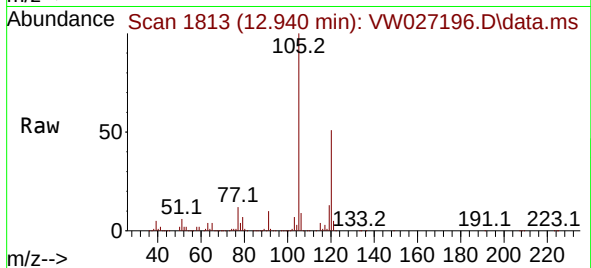
Tgt Ion: 75 Resp: 98614
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
110 41.7 31.2 46.8





#62
1,3,5-Trimethylbenzene
Concen: 27.657 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

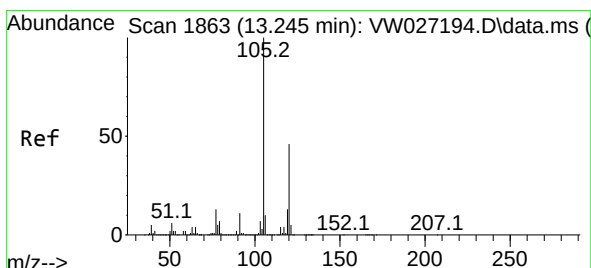
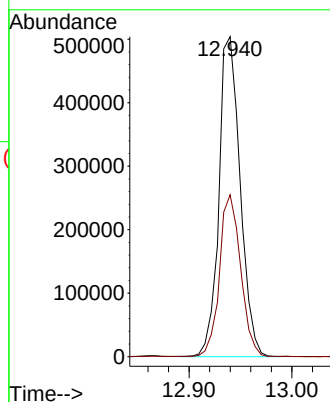
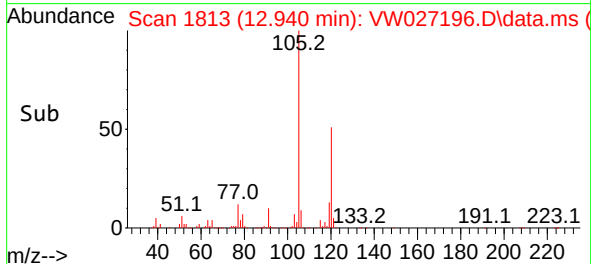
Instrument : MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:105 Resp: 723220
Ion Ratio Lower Upper
105 100
120 50.3 40.8 61.2

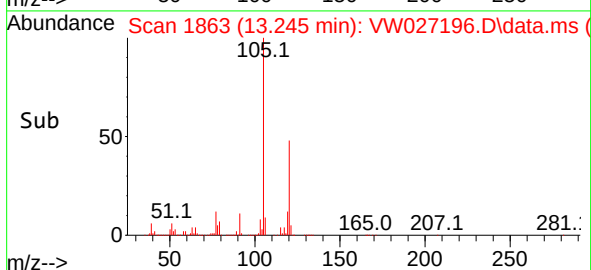
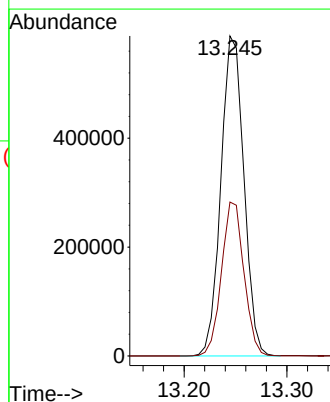
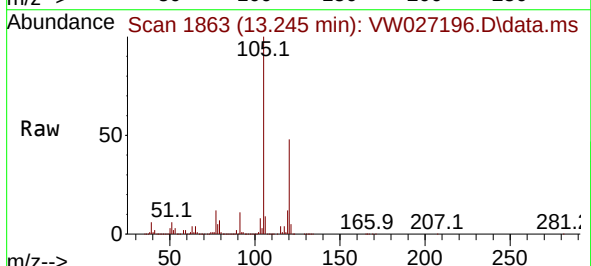
Manual Integrations
APPROVED

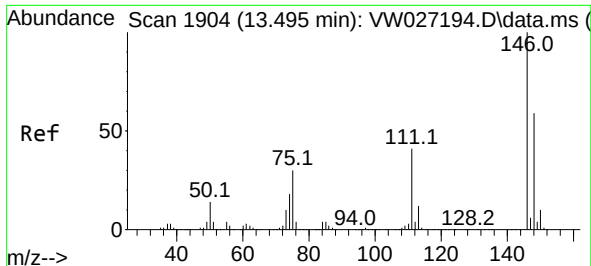
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023



#63
1,2,4-Trimethylbenzene
Concen: 35.605 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

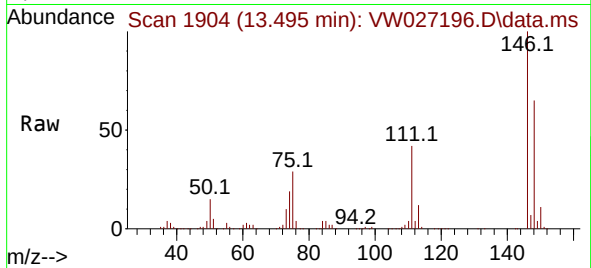
Tgt Ion:105 Resp: 912443
Ion Ratio Lower Upper
105 100
120 47.0 36.8 55.2





#64
1,3-Dichlorobenzene
Concen: 23.982 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58

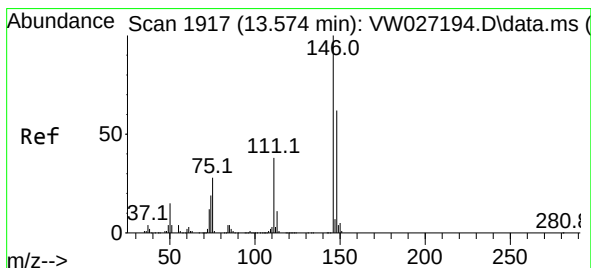
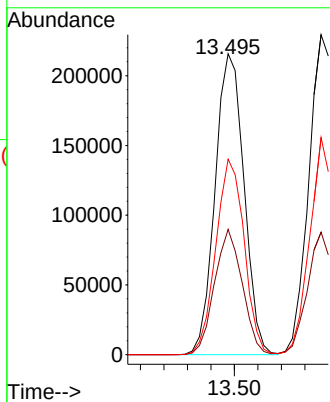
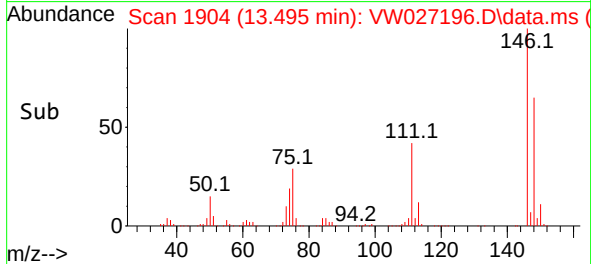
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



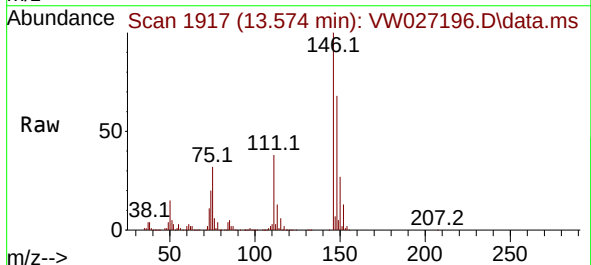
Tgt Ion:146 Resp: 369184
Ion Ratio Lower Upper
146 100
111 41.7 26.9 50.1
148 65.0 43.3 80.5

Manual Integrations
APPROVED

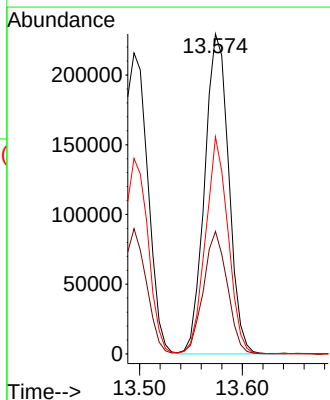
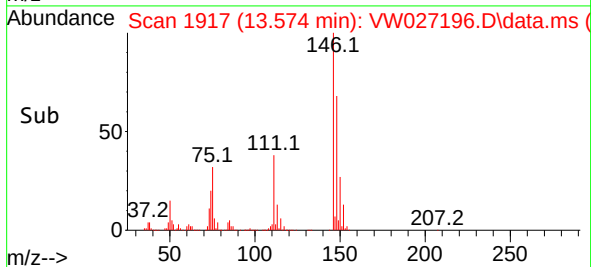
Reviewed By :Semsettin Yesilyurt 10/04/2023
Supervised By :Mahesh Dadoda 10/04/2023

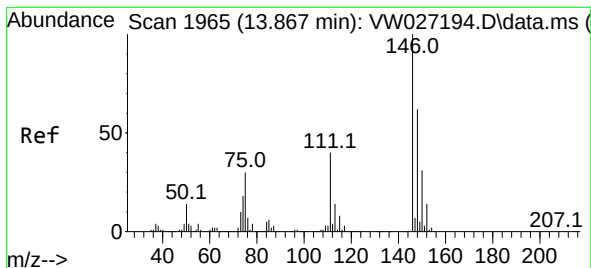


#65
1,4-Dichlorobenzene
Concen: 24.133 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027196.D
Acq: 03 Oct 2023 11:58



Tgt Ion:146 Resp: 373237
Ion Ratio Lower Upper
146 100
111 38.3 26.9 50.1
148 67.8 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 23.120 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

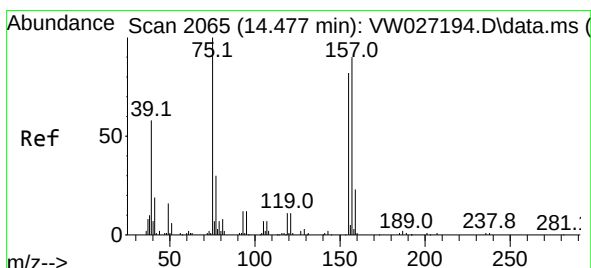
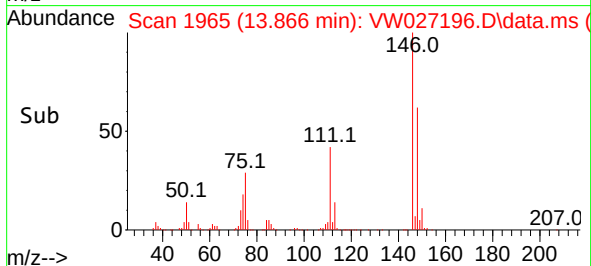
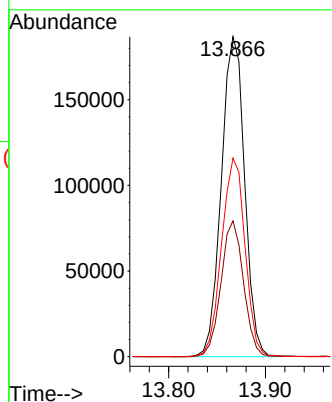
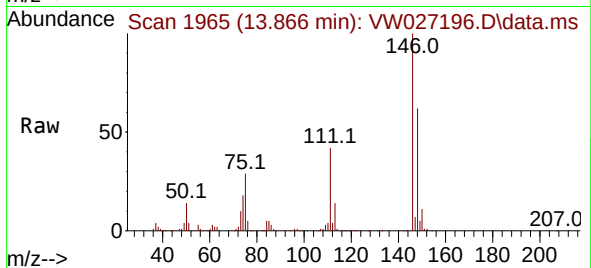
MDL-SOIL-QT4-2023-07

Tgt Ion:	146	Resp:	311958
Ion Ratio	Lower	Upper	
146	100		
111	42.5	35.6	53.4
148	62.1	58.4	87.6

Manual Integrations

APPROVED

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



#68

1,2-Dibromo-3-chloropropane

Concen: 25.872 ug/L

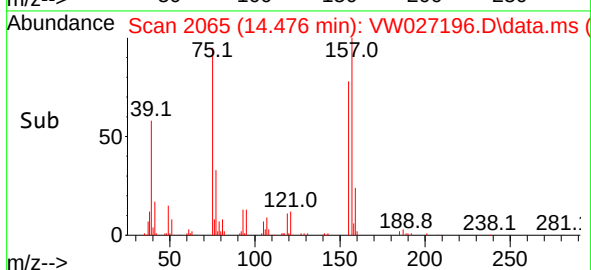
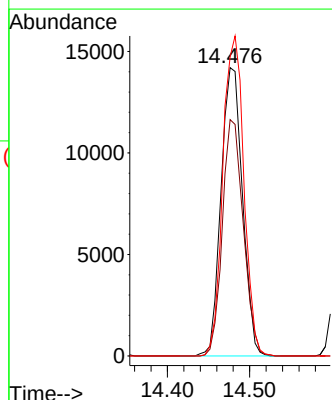
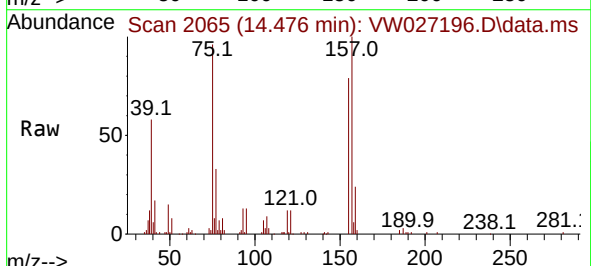
RT: 14.476 min Scan# 2065

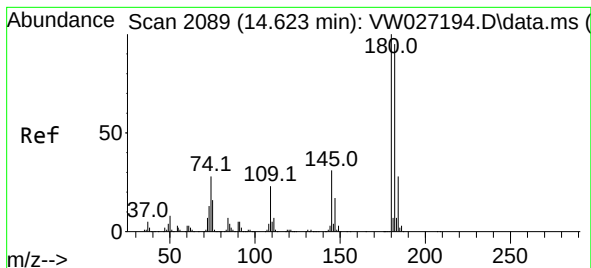
Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Tgt Ion:	75	Resp:	25699
Ion Ratio	Lower	Upper	
75	100		
155	82.0	56.5	84.7
157	103.8	75.9	113.9





#69

1,3,5-Trichlorobenzene

Concen: 28.553 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW027196.D

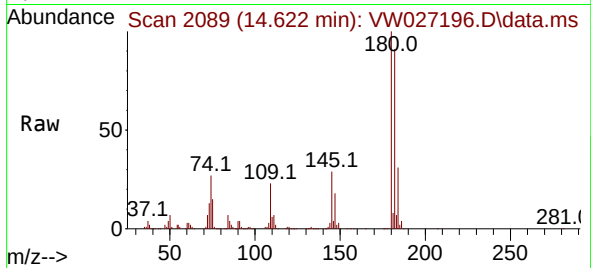
Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 28303

Ion Ratio Lower Upper

180 100

182 92.4 70.2 105.2

184 31.4 24.6 37.0

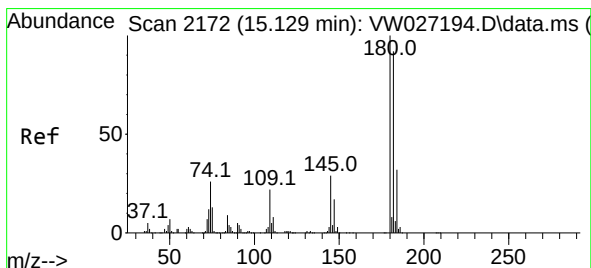
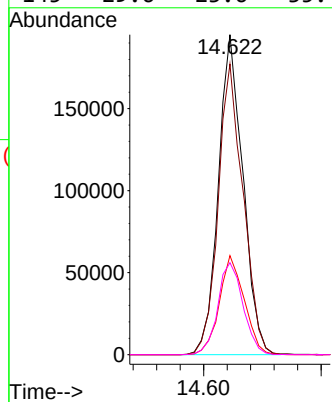
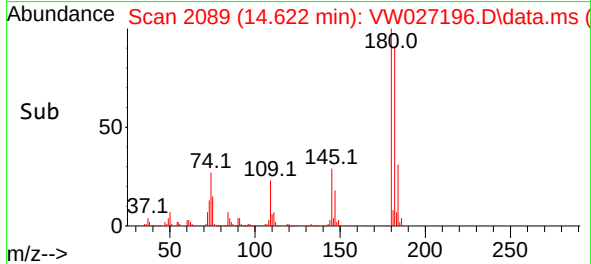
145 29.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/04/2023

Supervised By :Mahesh Dadoda 10/04/2023



#70

1,2,4-trichlorobenzene

Concen: 37.932 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

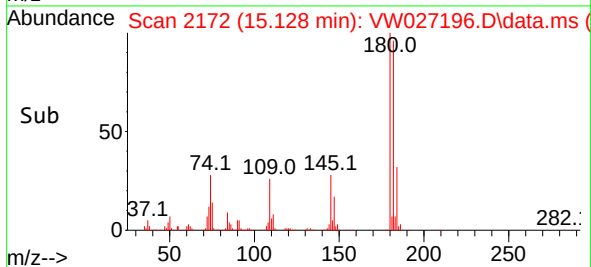
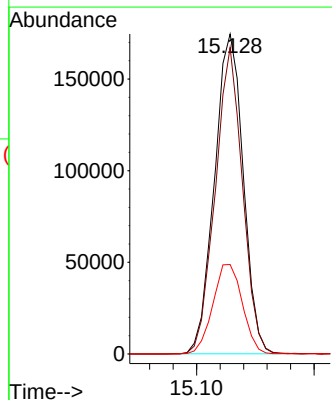
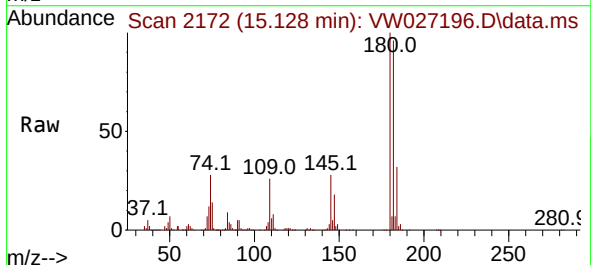
Tgt Ion:180 Resp: 296649

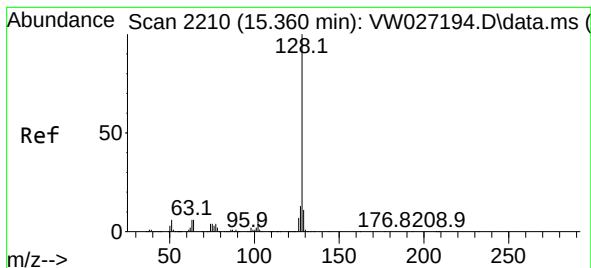
Ion Ratio Lower Upper

180 100

182 90.7 77.4 116.2

145 28.9 24.3 36.5





#71

Naphthalene

Concen: 34.584 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Instrument :

MSVOA_W

ClientSampleId :

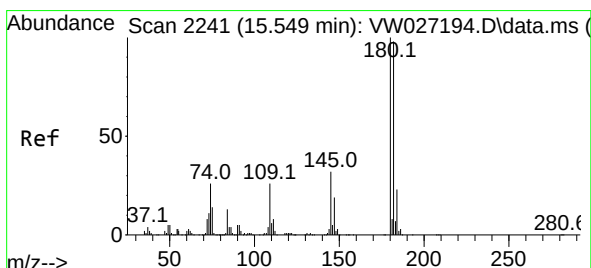
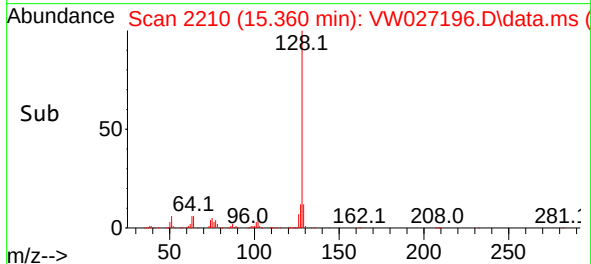
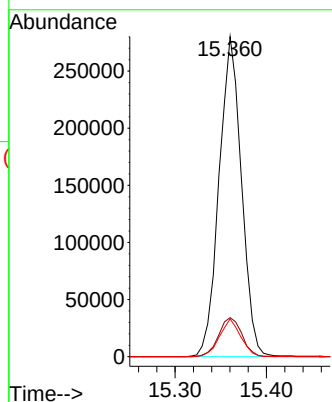
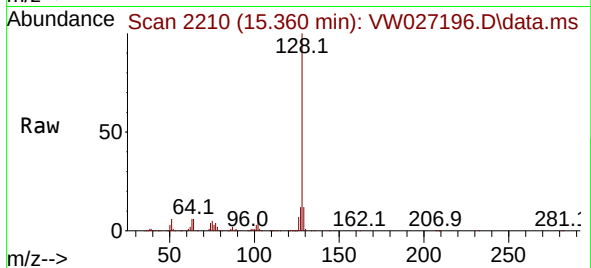
MDL-SOIL-QT4-2023-07

Tgt Ion:	128	Resp:	47720
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations

APPROVED

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



#72

1,2,3-Trichlorobenzene

Concen: 34.621 ug/L

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW027196.D

Acq: 03 Oct 2023 11:58

Tgt Ion:	180	Resp:	240341
Ion Ratio	Lower	Upper	
180	100		
182	95.2	74.7	112.1
145	31.5	26.4	39.6

