

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
 Data File : VW027575.D
 Acq On : 07 Dec 2023 15:23
 Operator : SY/MD
 Sample : 04696-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 05:10:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 08 05:09:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	282859	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	256829	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	122064	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	108763	19.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.440%
7) Chloroethane-d5	2.905	69	86178	20.885	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.520%
11) 1,1-Dichloroethene-d2	4.027	65	50353	20.906	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.640%
21) 2-Butanone-d5	7.081	46	73698	49.410	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.820%
24) Chloroform-d	7.654	84	189955	22.498	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.000%
26) 1,2-Dichloroethane-d4	8.307	65	105620m	24.463	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.840%
32) Benzene-d6	8.282	84	399041	22.060	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.240%
36) 1,2-Dichloropropane-d6	9.276	67	121256	22.738	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.960%
41) Toluene-d8	10.325	98	338586	21.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.560%
43) trans-1,3-Dichloroprop...	10.575	79	43949	21.312	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.240%
47) 2-Hexanone-d5	10.922	63	54353	54.703	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.400%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	103012	23.485	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.960%
66) 1,2-Dichlorobenzene-d4	13.855	152	102478	23.950	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	2729m	0.721	ug/L	
3) Chloromethane	2.229	50	3320m	0.716	ug/L	
6) Bromomethane	2.796	94	2008m	0.707	ug/L	
12) 1,1-Dichloroethene	4.045	96	3437m	0.852	ug/L	
13) Acetone	4.137	43	5000m	3.477	ug/L	
14) Carbon disulfide	4.399	76	8583	0.704	ug/L #	88
15) Methyl Acetate	4.692	43	2292m	0.912	ug/L	
16) Methylene chloride	4.923	84	12900	2.797	ug/L	94
17) trans-1,2-Dichloroethene	5.435	96	2867	0.689	ug/L	90
18) Methyl tert-butyl Ether	5.423	73	4345m	0.648	ug/L	
22) 2-Butanone	7.136	43	6086m	3.281	ug/L	
40) 4-Methyl-2-pentanone	10.215	43	3760	1.189	ug/L #	89
45) 1,1,2-Trichloroethane	10.788	97	1986	0.609	ug/L	92
49) Dibromochloromethane	11.129	129	2022	0.628	ug/L	84
54) o-Xylene	12.166	106	3977	0.558	ug/L	81
55) Styrene	12.184	104	6406	0.526	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	3065	0.722	ug/L #	79
61) 1,2,3-Trichloropropane	12.769	75	2075	0.705	ug/L #	87
62) 1,3,5-Trimethylbenzene	12.940	105	7492	0.503	ug/L	100

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.251	105	7937	0.535	ug/L	94
64) 1,3-Dichlorobenzene	13.495	146	4603	0.596	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.483	75	755m	1.066	ug/L	
69) 1,3,5-Trichlorobenzene	14.629	180	3057	0.589	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	2367	0.587	ug/L	96
71) Naphthalene	15.360	128	5076	0.599	ug/L #	89
72) 1,2,3-Trichlorobenzene	15.549	180	2008	0.581	ug/L #	82

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

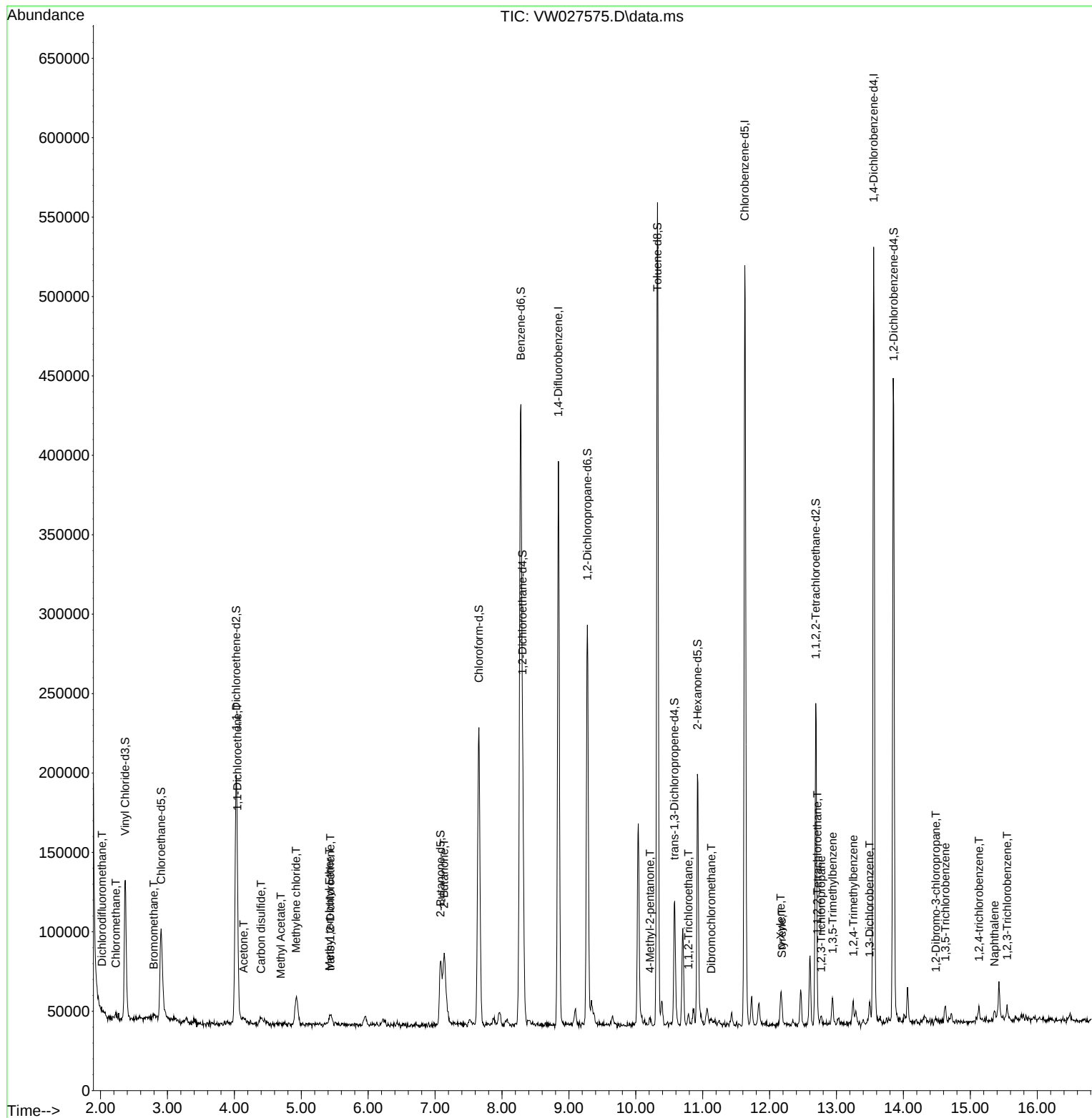
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
Data File : VW027575.D
Acq On : 07 Dec 2023 15:23
Operator : SY/MD
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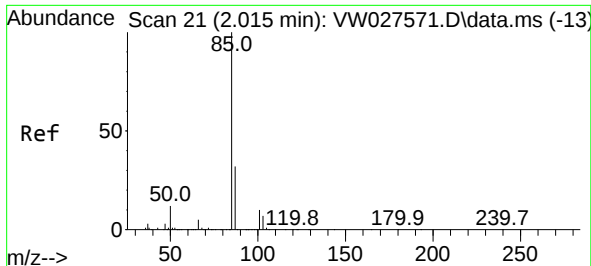
Instrument :
MSVOA_W
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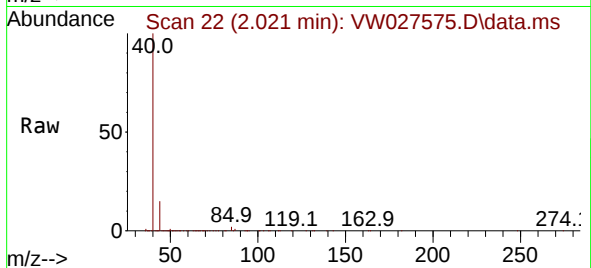
Reviewed By : Semsettin Yesilyurt 12/11/2023
Supervised By : Mahesh Dadoda 12/11/2023





#2
Dichlorodifluoromethane
Concen: 0.721 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

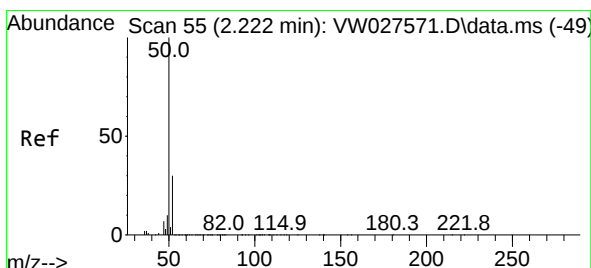
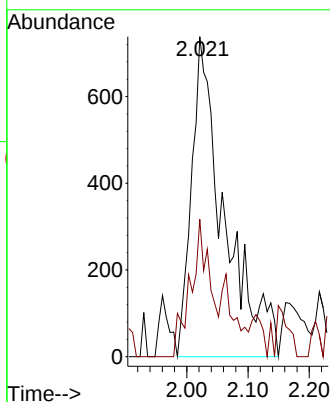
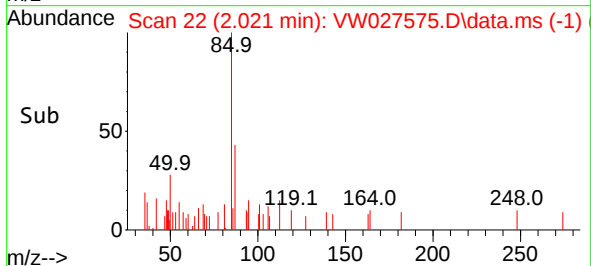
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



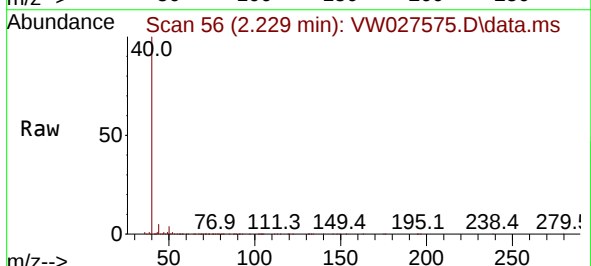
Tgt Ion: 85 Resp: 2729
Ion Ratio Lower Upper
85 100
87 17.7 24.0 36.0

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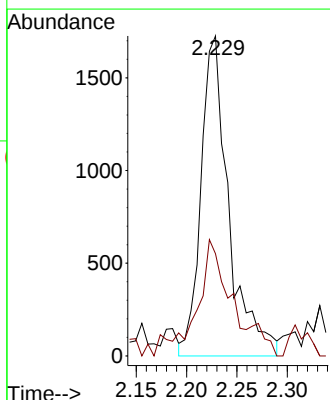
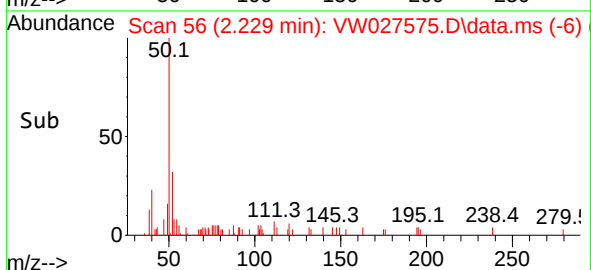
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

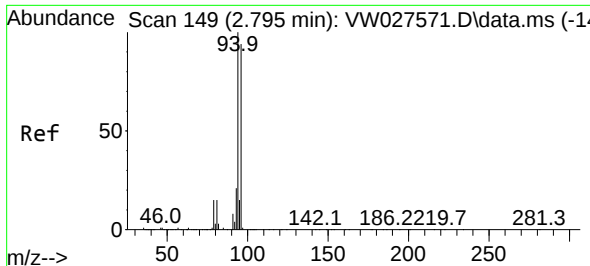


#3
Chloromethane
Concen: 0.716 ug/L m
RT: 2.229 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23



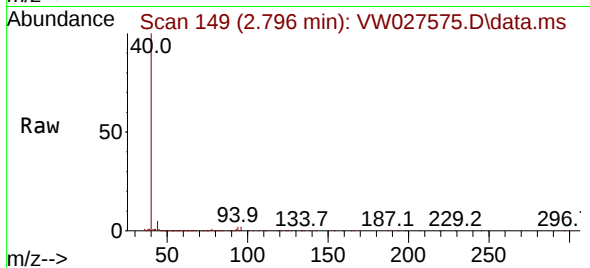
Tgt Ion: 50 Resp: 3320
Ion Ratio Lower Upper
50 100
52 31.9 21.8 40.6





#6
Bromomethane
Concen: 0.707 ug/L m
RT: 2.796 min Scan# 149
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

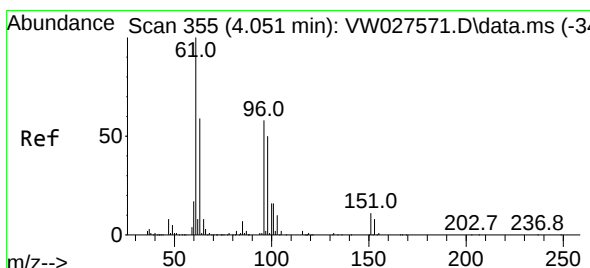
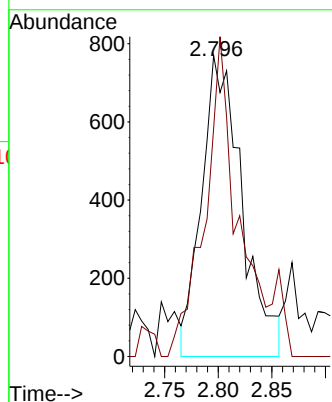
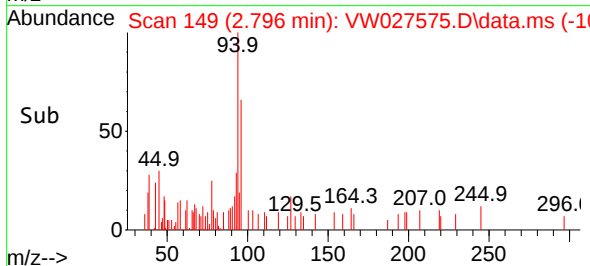
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 94 Resp: 2008
Ion Ratio Lower Upper
94 100
96 75.8 63.3 117.7

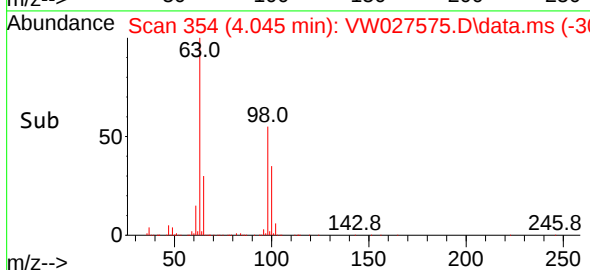
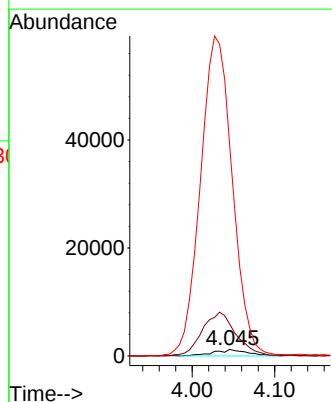
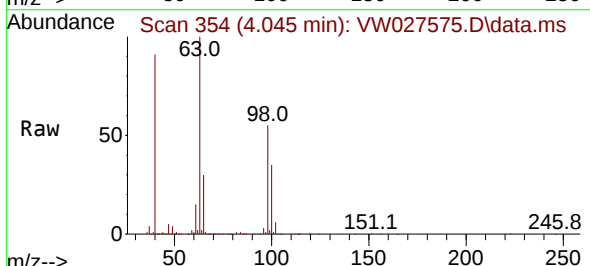
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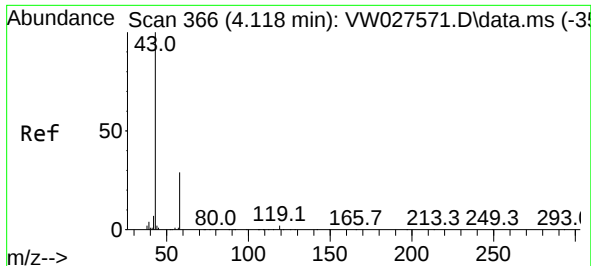
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#12
1,1-Dichloroethene
Concen: 0.852 ug/L m
RT: 4.045 min Scan# 354
Delta R.T. -0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

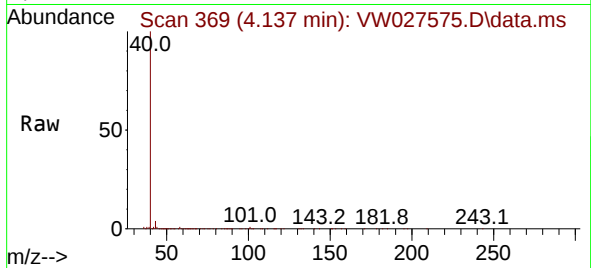
Tgt Ion: 96 Resp: 3437
Ion Ratio Lower Upper
96 100
61 488.9 127.8 237.4#
63 3223.1 104.9 194.7#





#13
Acetone
Concen: 3.477 ug/L m
RT: 4.137 min Scan# 369
Delta R.T. 0.018 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

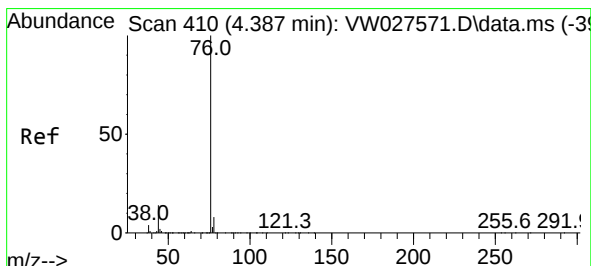
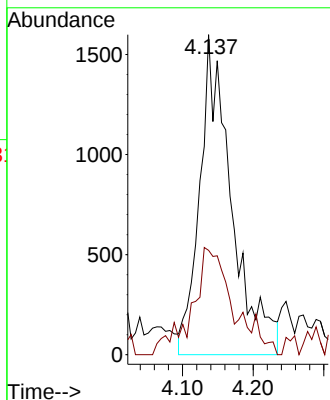
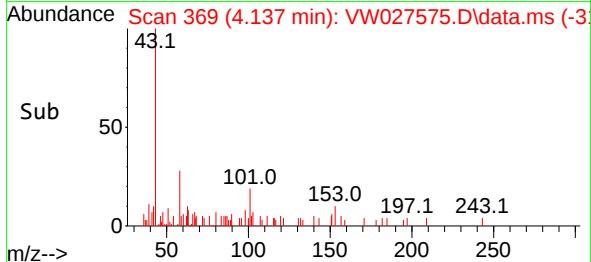
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 5000
Ion Ratio Lower Upper
43 100
58 0.9 0.0 60.0

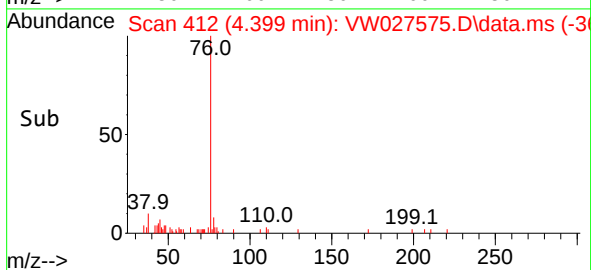
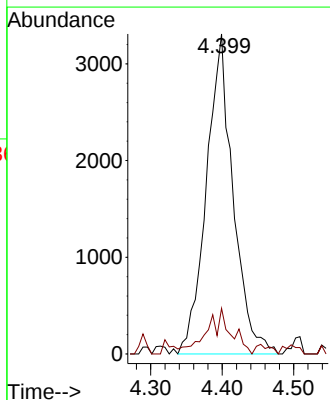
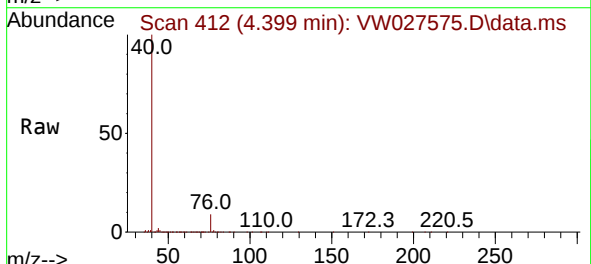
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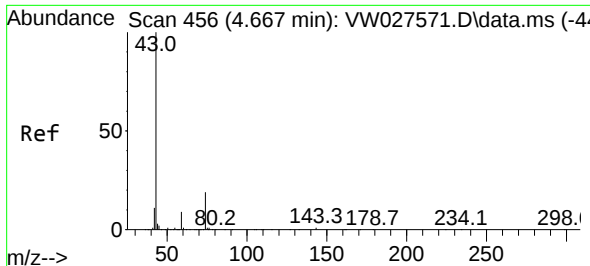
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#14
Carbon disulfide
Concen: 0.704 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.012 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

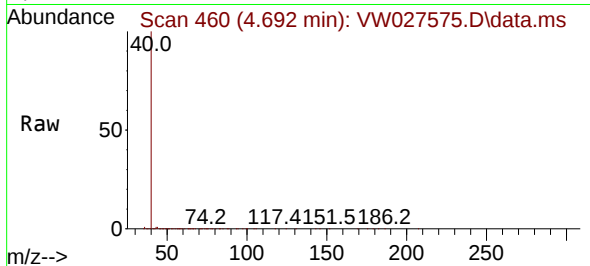
Tgt Ion: 76 Resp: 8583
Ion Ratio Lower Upper
76 100
78 14.3 7.8 11.6#





#15
Methyl Acetate
Concen: 0.912 ug/L m
RT: 4.692 min Scan# 4
Delta R.T. 0.025 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

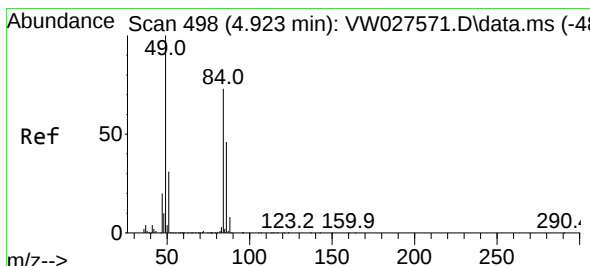
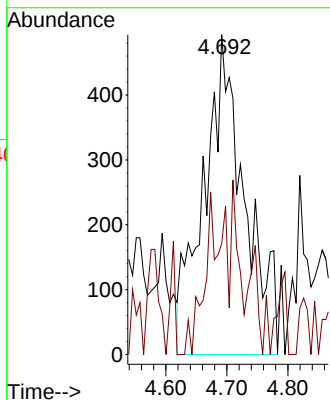
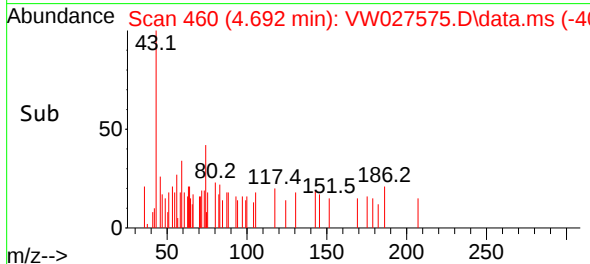
Instrument :
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MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
74 0.8 16.8 25.2

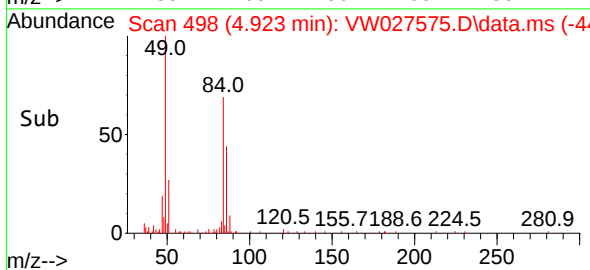
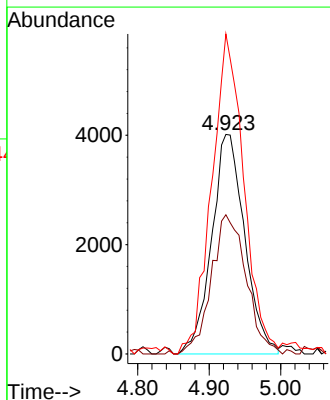
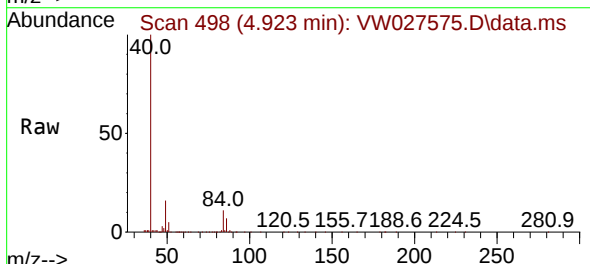
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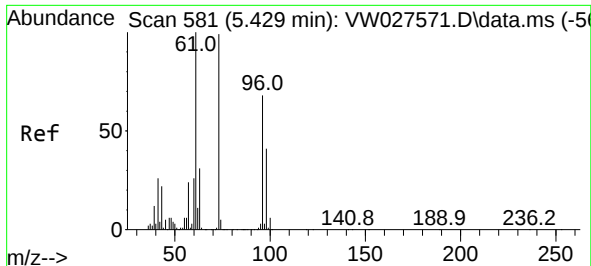
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#16
Methylene chloride
Concen: 2.797 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

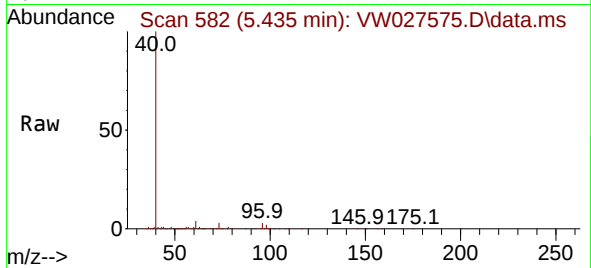
Tgt Ion: 84 Resp: 12900
Ion Ratio Lower Upper
84 100
86 63.4 47.7 88.7
49 145.8 97.4 181.0





#17
trans-1,2-Dichloroethene
Concen: 0.689 ug/L
RT: 5.435 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

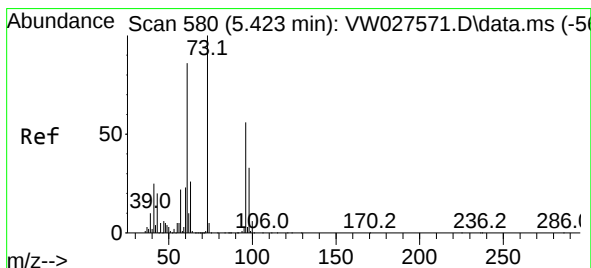
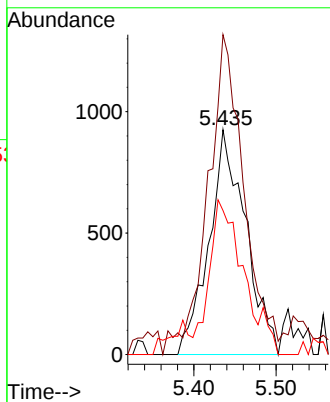
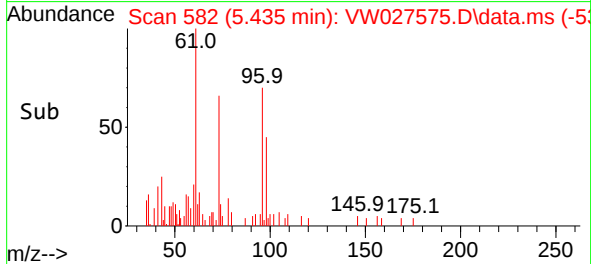
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Tgt Ion: 96 Resp: 286
Ion Ratio Lower Upper
96 100
61 142.2 109.6 203.6
98 64.0 41.9 77.7

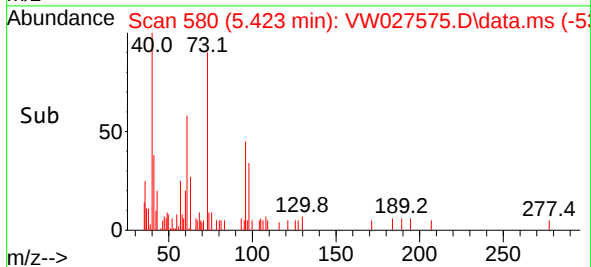
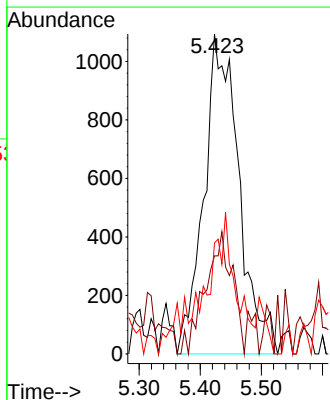
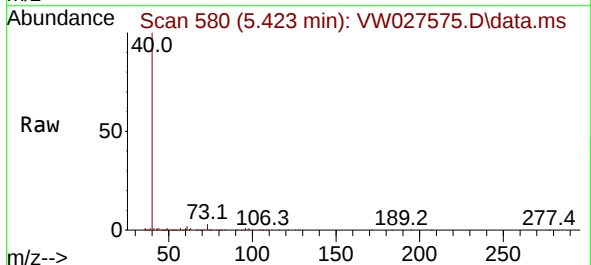
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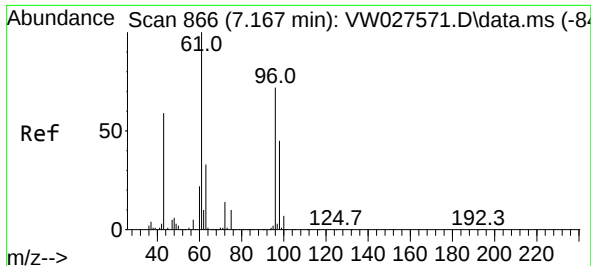
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#18
Methyl tert-butyl Ether
Concen: 0.648 ug/L m
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Tgt Ion: 73 Resp: 4345
Ion Ratio Lower Upper
73 100
43 0.0 17.8 26.6#
57 8.1 19.9 29.9#





#22

2-Butanone

Concen: 3.281 ug/L m

RT: 7.136 min Scan# 8

Delta R.T. -0.030 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 6080

Ion Ratio Lower Upper

43 100

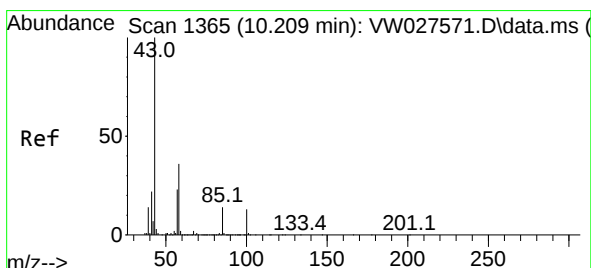
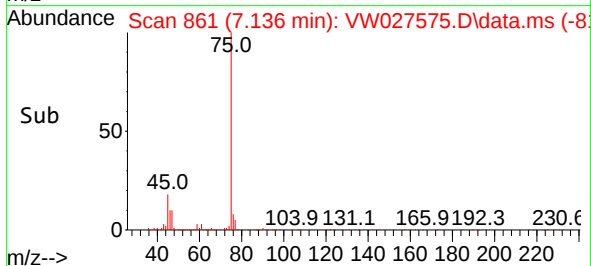
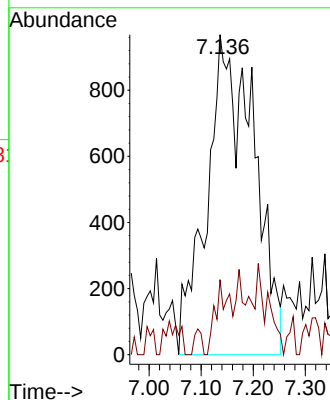
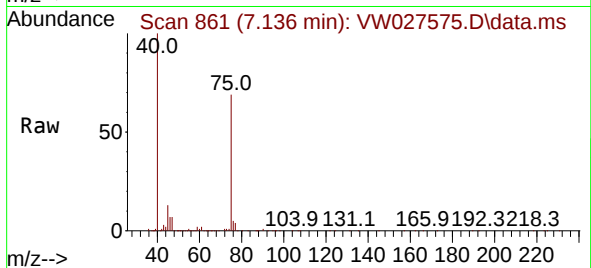
72 4.4 11.9 35.9

Manual Integrations

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#40

4-Methyl-2-pentanone

Concen: 1.189 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW027575.D

Acq: 07 Dec 2023 15:23

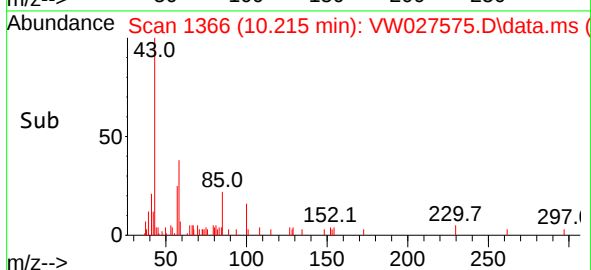
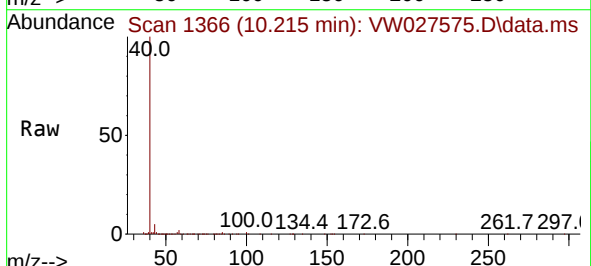
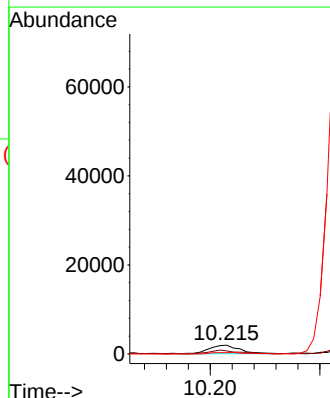
Tgt Ion: 43 Resp: 3760

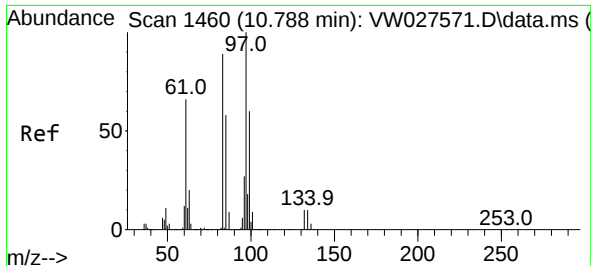
Ion Ratio Lower Upper

43 100

58 43.9 29.6 44.4

100 9.5 11.1 16.7





#45

1,1,2-Trichloroethane

Concen: 0.609 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027575.D

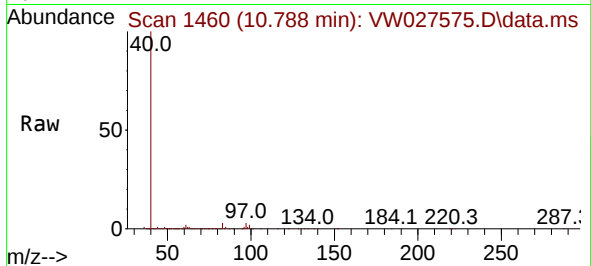
Acq: 07 Dec 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion: 97 Resp: 1980

Ion Ratio Lower Upper

97 100

99 57.1 42.8 79.4

83 81.4 59.9 111.3

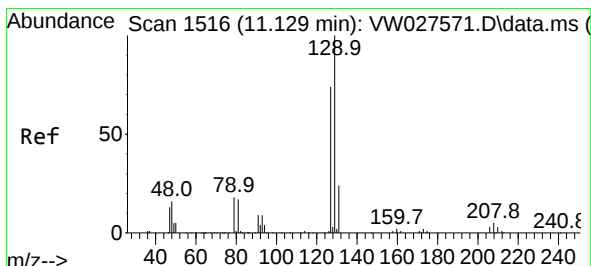
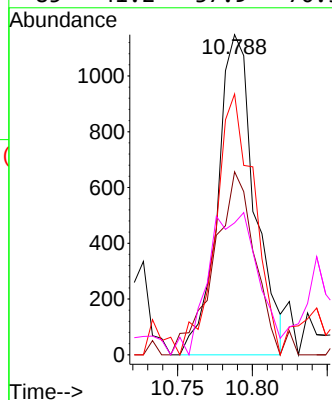
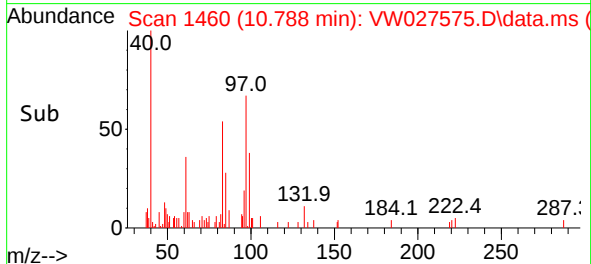
85 41.2 37.9 70.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#49

Dibromochloromethane

Concen: 0.628 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW027575.D

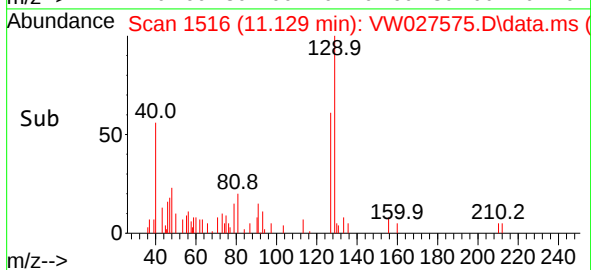
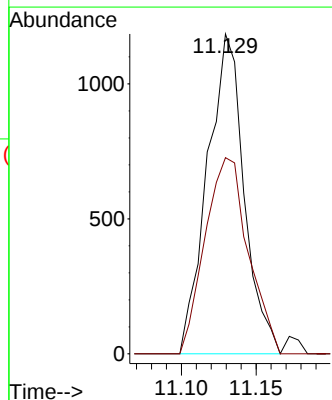
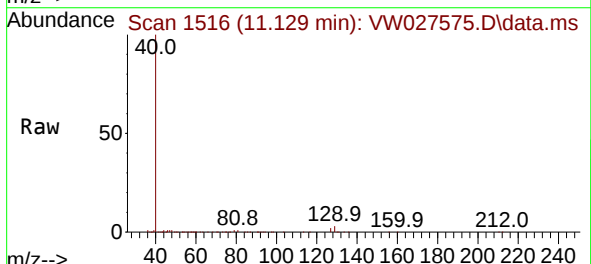
Acq: 07 Dec 2023 15:23

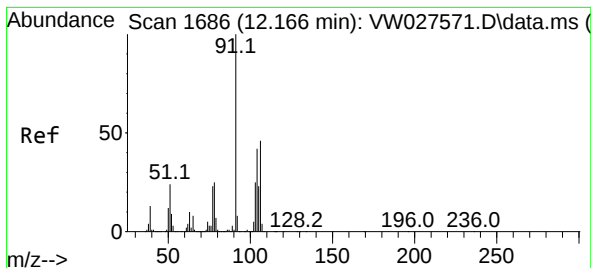
Tgt Ion:129 Resp: 2022

Ion Ratio Lower Upper

129 100

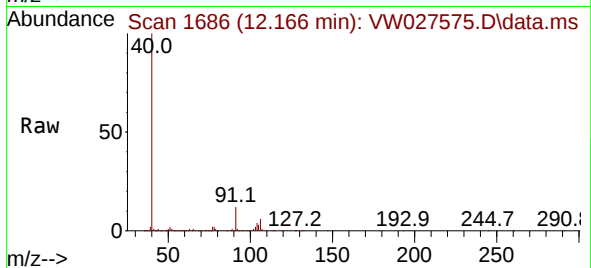
127 61.4 52.3 97.1





#54
o-Xylene
Concen: 0.558 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

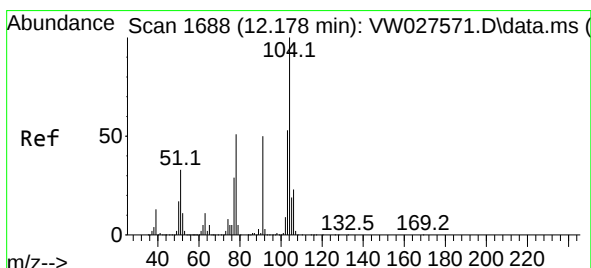
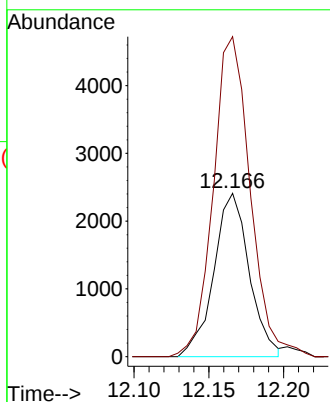
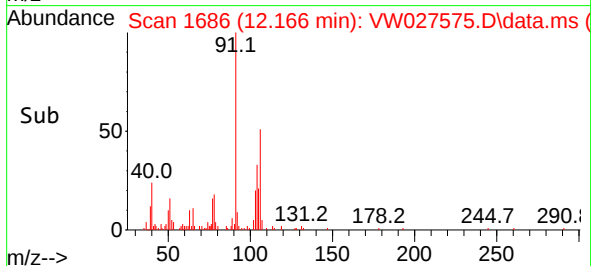
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



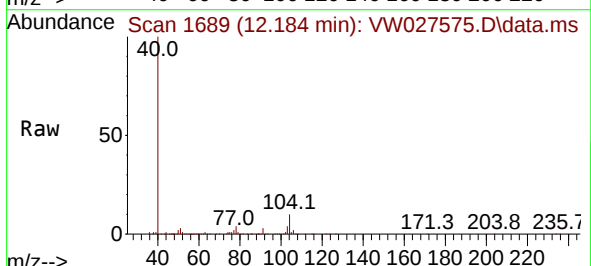
Tgt Ion:106 Resp: 397
Ion Ratio Lower Upper
106 100
91 195.9 158.8 295.0

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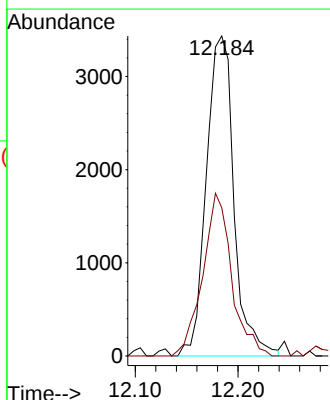
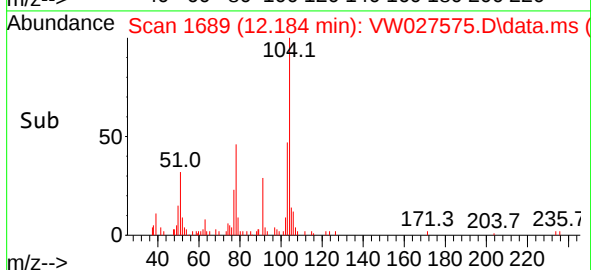
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

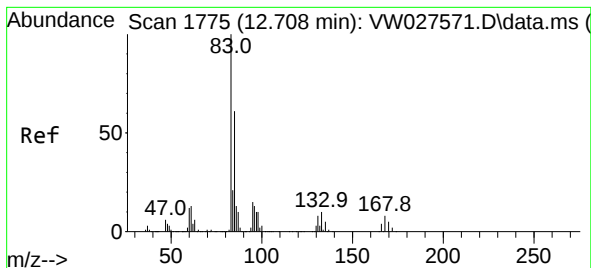


#55
Styrene
Concen: 0.526 ug/L
RT: 12.184 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23



Tgt Ion:104 Resp: 6406
Ion Ratio Lower Upper
104 100
78 46.3 33.9 62.9





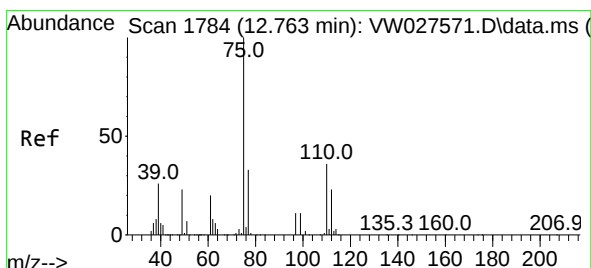
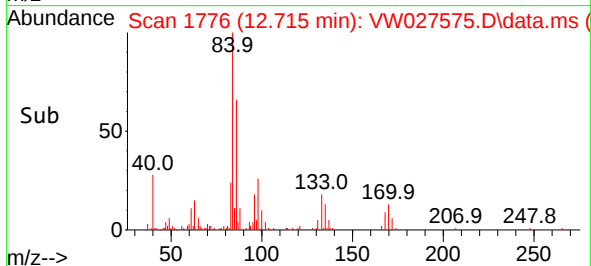
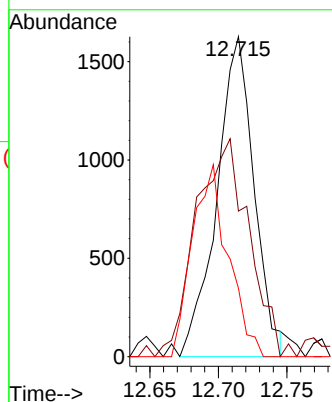
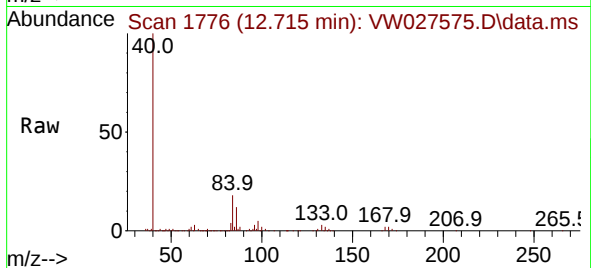
#57
1,1,2,2-Tetrachloroethane
Concen: 0.722 ug/L
RT: 12.715 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 83	Resp:	306
Ion Ratio	Lower	Upper
83	100	
85	45.5	41.9 77.7
131	21.4	7.0 10.6

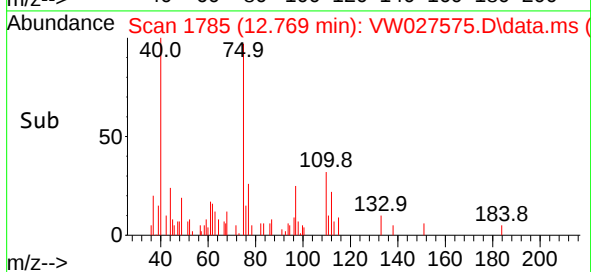
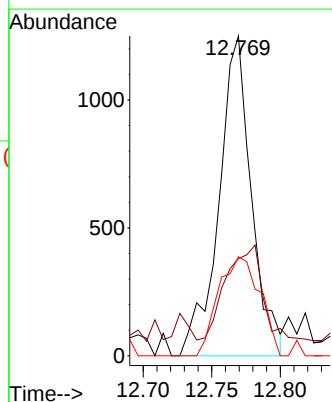
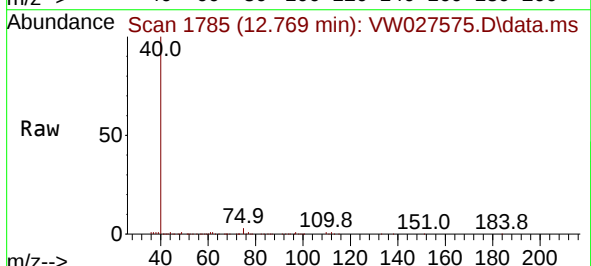
Manual Integrations
APPROVED

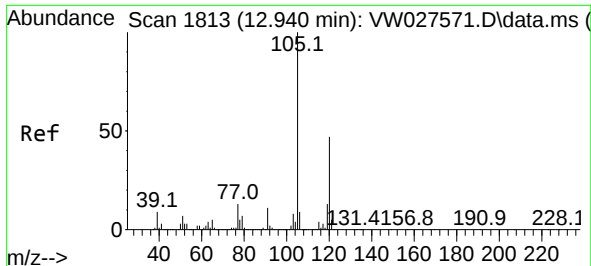
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#61
1,2,3-Trichloropropane
Concen: 0.705 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

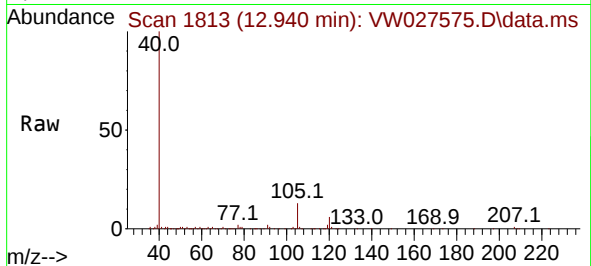
Tgt Ion: 75	Resp:	2075
Ion Ratio	Lower	Upper
75	100	
77	47.8	26.6 39.8
110	39.4	30.2 45.4





#62
1,3,5-Trimethylbenzene
Concen: 0.503 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

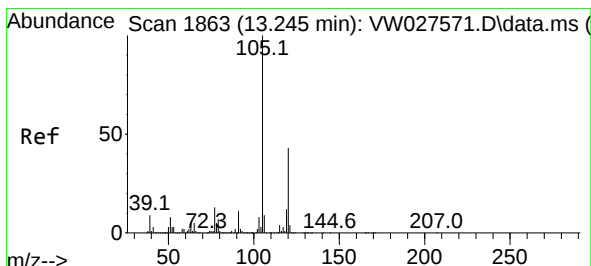
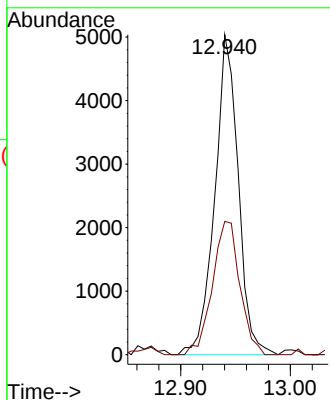
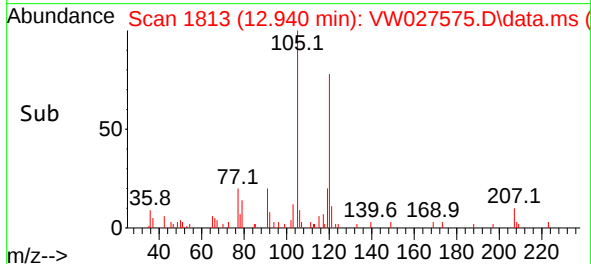
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



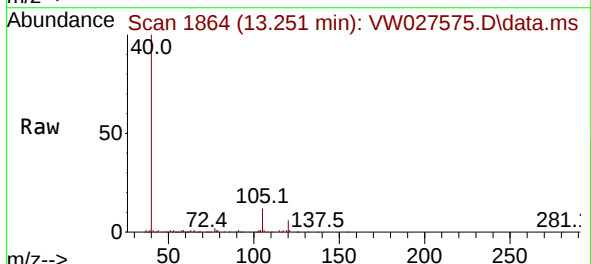
Tgt Ion:105 Resp: 7492
Ion Ratio Lower Upper
105 100
120 48.6 38.7 58.1

Manual Integrations
APPROVED

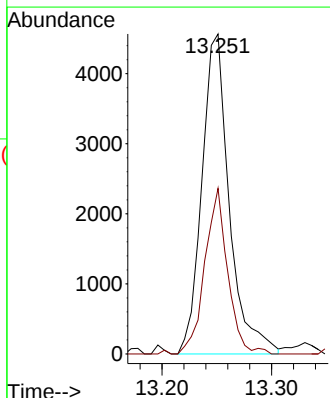
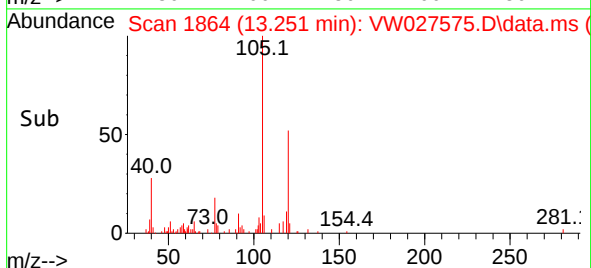
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

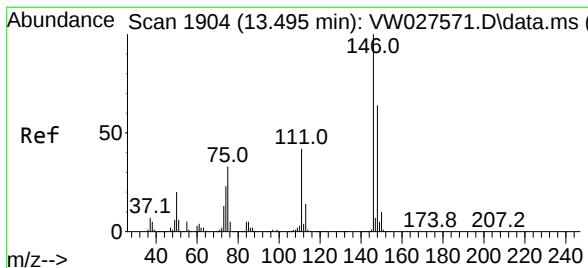


#63
1,2,4-Trimethylbenzene
Concen: 0.535 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23



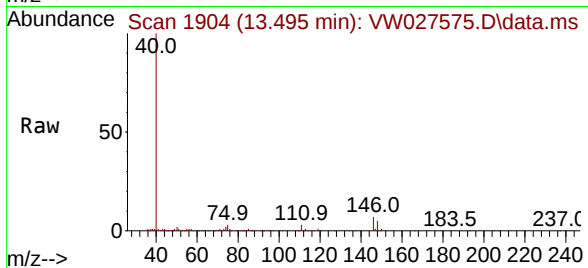
Tgt Ion:105 Resp: 7937
Ion Ratio Lower Upper
105 100
120 42.4 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 0.596 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

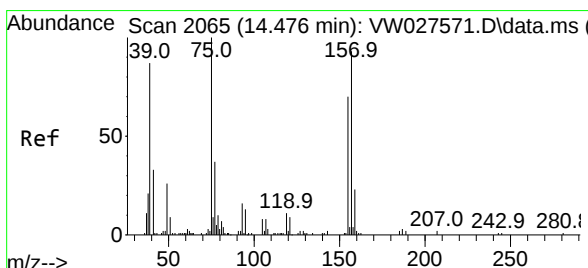
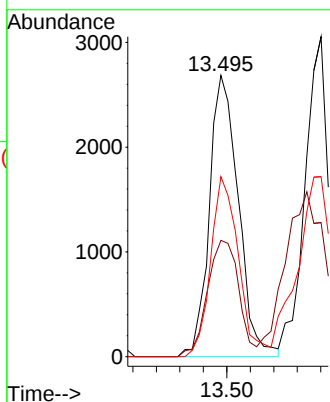
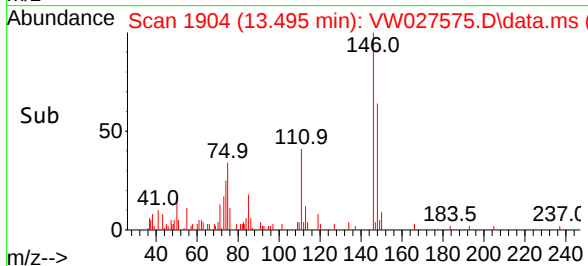
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



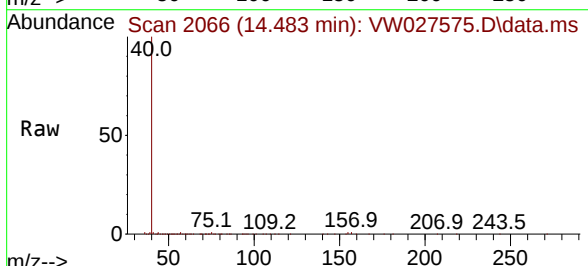
Tgt Ion:146 Resp: 460
Ion Ratio Lower Upper
146 100
111 41.4 29.5 54.7
148 64.0 42.8 79.6

Manual Integrations
APPROVED

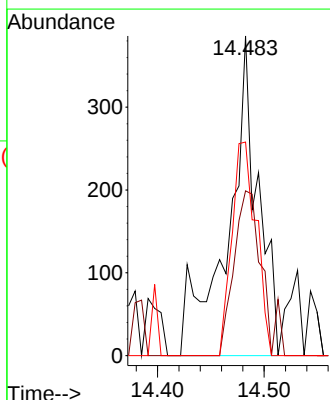
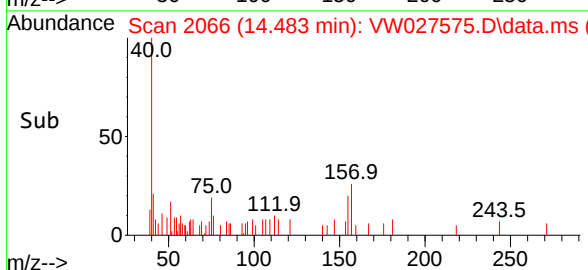
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

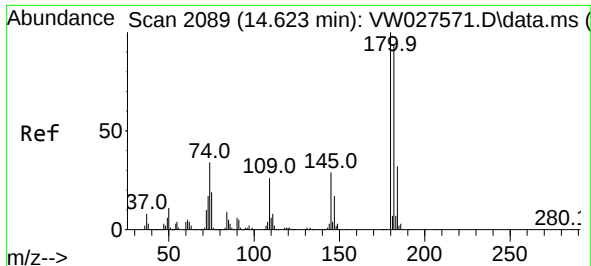


#68
1,2-Dibromo-3-chloropropane
Concen: 1.066 ug/L m
RT: 14.483 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23



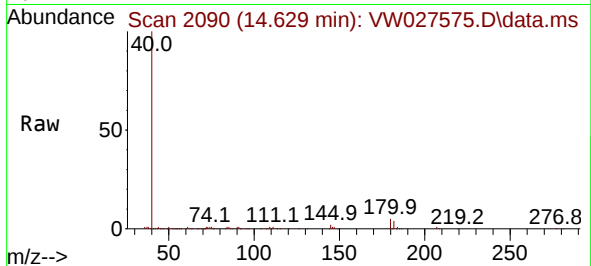
Tgt Ion: 75 Resp: 755
Ion Ratio Lower Upper
75 100
155 51.6 65.8 98.8#
157 66.8 63.0 94.6





#69
1,3,5-Trichlorobenzene
Concen: 0.589 ug/L
RT: 14.629 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

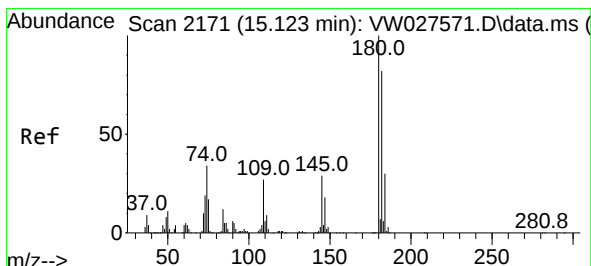
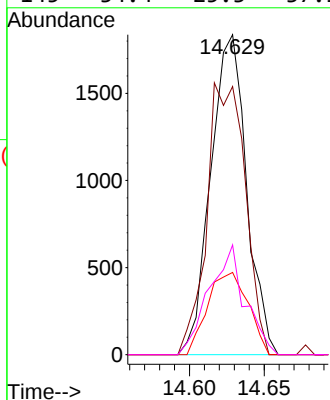
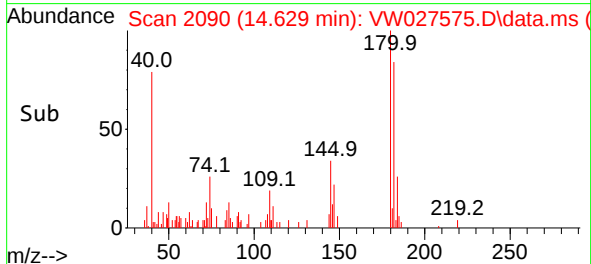
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 305
Ion Ratio Lower Upper
180 100
182 91.2 73.2 109.8
184 29.1 25.4 38.2
145 34.4 25.3 37.9

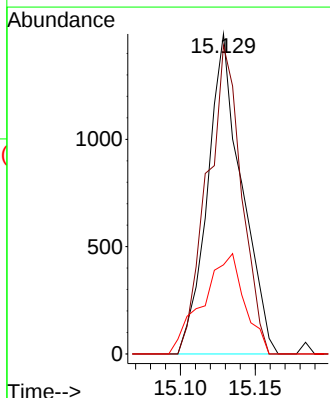
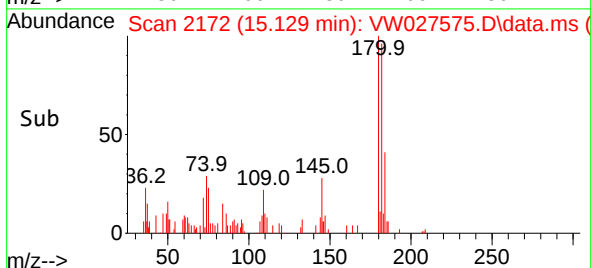
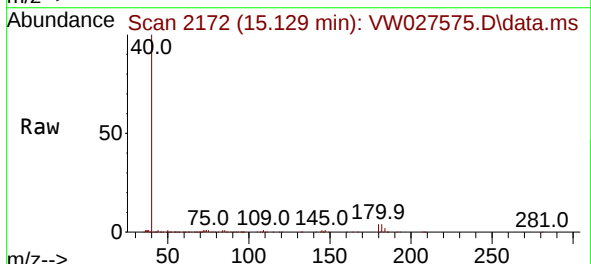
Manual Integrations
APPROVED

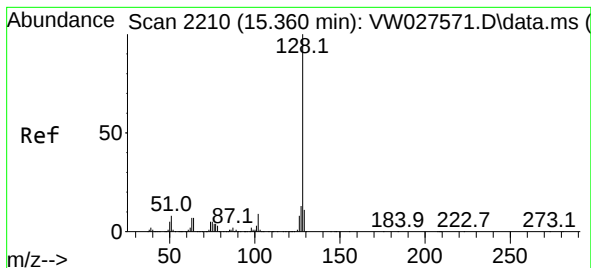
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#70
1,2,4-trichlorobenzene
Concen: 0.587 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

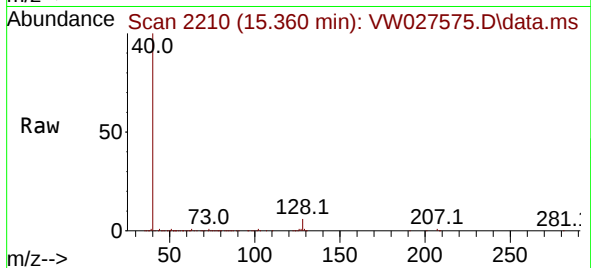
Tgt Ion:180 Resp: 2367
Ion Ratio Lower Upper
180 100
182 96.7 78.7 118.1
145 38.4 26.8 40.2





#71
Naphthalene
Concen: 0.599 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23

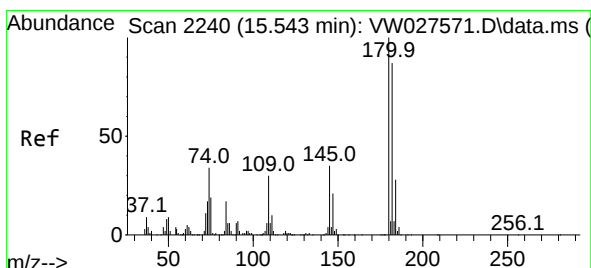
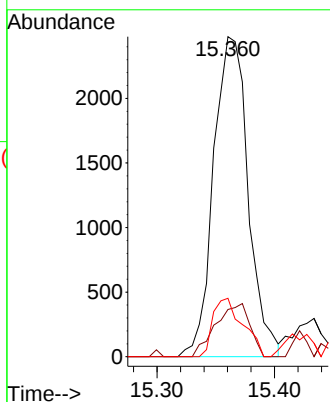
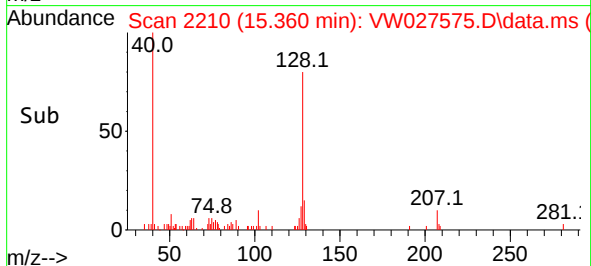
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



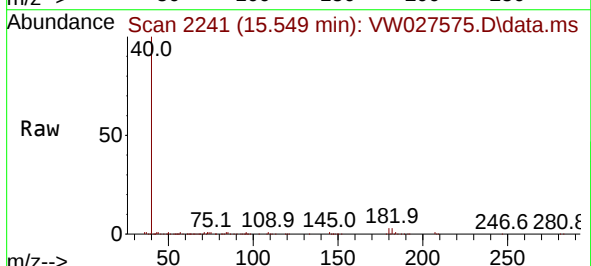
Tgt Ion:128 Resp: 5070
Ion Ratio Lower Upper
128 100
127 16.3 10.3 15.5
129 15.7 8.6 12.8

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 0.581 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.006 min
Lab File: VW027575.D
Acq: 07 Dec 2023 15:23



Tgt Ion:180 Resp: 2008
Ion Ratio Lower Upper
180 100
182 103.8 72.4 108.6
145 18.0 27.4 41.0

