

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022322\
 Data File : VW022116.D
 Acq On : 23 Feb 2022 18:13
 Operator : SY/VA
 Sample : N1331-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Quant Time: Feb 24 04:22:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 24 03:35:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/28/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	177848	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	166201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	80954	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	56534	24.371	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.480%		
7) Chloroethane-d5	2.879	69	39637	21.717	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.880%		
11) 1,1-Dichloroethene-d2	4.013	63	61180	17.223	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	68.880%		
21) 2-Butanone-d5	7.080	46	16925	43.395	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.800%		
24) Chloroform-d	7.653	84	90451	22.795	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	91.160%		
26) 1,2-Dichloroethane-d4	8.305	65	48141	23.340	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	93.360%		
32) Benzene-d6	8.275	84	181168	23.422	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	93.680%		
36) 1,2-Dichloropropane-d6	9.274	67	49869	23.216	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	92.880%		
41) Toluene-d8	10.323	98	176318	22.928	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.720%		
43) trans-1,3-Dichloroprop...	10.579	79	20954	22.000	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	88.000%		
47) 2-Hexanone-d5	10.920	63	14201	40.195	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	80.400%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	40109	21.276	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	85.120%		
66) 1,2-Dichlorobenzene-d4	13.853	152	61281	23.568	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.001	85	475	0.956	ug/L	95
3) Chloromethane	2.209	50	2248	1.320	ug/L	94
5) Vinyl chloride	2.355	62	3386	1.323	ug/L #	2
6) Bromomethane	2.776	94	1813	1.014	ug/L	94
8) Chloroethane	2.910	64	1761m	1.225	ug/L	
9) Trichlorofluoromethane	3.251	101	1911m	1.100	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	3024m	1.427	ug/L	
12) 1,1-Dichloroethene	4.038	96	2527	1.375	ug/L #	1
13) Acetone	4.135	43	865m	2.715	ug/L	
14) Carbon disulfide	4.379	76	4981	1.046	ug/L	98
15) Methyl Acetate	4.684	43	938m	1.308	ug/L	
16) Methylene chloride	4.909	84	5336	2.444	ug/L	93
17) trans-1,2-Dichloroethene	5.434	96	2100	1.041	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	2920m	1.064	ug/L	
19) 1,1-Dichloroethane	6.220	63	3377	1.034	ug/L	91
20) cis-1,2-Dichloroethene	7.171	96	2335	1.068	ug/L	92
22) 2-Butanone	7.171	43	857m	1.873	ug/L	
23) Bromochloromethane	7.506	128	1057	0.990	ug/L #	72
25) Chloroform	7.677	83	4505	1.182	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	2674	1.139	ug/L #	93
29) Cyclohexane	7.951	56	2514	0.909	ug/L #	59
30) 1,1,1-Trichloroethane	7.872	97	3436	1.028	ug/L #	84
31) Carbon tetrachloride	8.067	117	2834	0.892	ug/L	87
33) Benzene	8.323	78	8202	1.021	ug/L	100
34) Trichloroethene	9.091	95	2563	1.114	ug/L	92
35) Methylcyclohexane	9.335	83	3501	0.984	ug/L	94
37) 1,2-Dichloropropane	9.372	63	1883	1.004	ug/L	97
38) Bromodichloromethane	9.640	83	2505	0.932	ug/L	94
39) cis-1,3-Dichloropropene	10.073	75	2646	0.929	ug/L	90
40) 4-Methyl-2-pentanone	10.207	43	1645	1.625	ug/L	94
42) Toluene	10.384	91	11604	1.276	ug/L	94
44) trans-1,3-Dichloropropene	10.597	75	3540	1.382	ug/L	84
45) 1,1,2-Trichloroethane	10.786	97	1704	1.025	ug/L	89
46) Tetrachloroethene	10.866	164	2121	1.052	ug/L	90
48) 2-Hexanone	10.969	43	1426	2.030	ug/L	96
49) Dibromochloromethane	11.128	129	1863	0.923	ug/L	99
50) 1,2-Dibromoethane	11.237	107	1492	0.931	ug/L #	94
51) Chlorobenzene	11.652	112	6423	1.015	ug/L	89
52) Ethylbenzene	11.725	91	9717	0.965	ug/L	97
53) m,p-Xylene	11.835	106	4012	0.969	ug/L	98
54) o-Xylene	12.164	106	3484	0.894	ug/L	90
55) Styrene	12.176	104	5123	0.784	ug/L #	77
57) 1,1,2,2-Tetrachloroethane	12.713	83	2089	1.083	ug/L	96
59) Bromoform	12.347	173	871	0.814	ug/L #	84
60) Isopropylbenzene	12.463	105	8727	0.898	ug/L	95
61) 1,2,3-Trichloropropane	12.768	75	1270	0.994	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.938	105	5720	0.885	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	7253	0.918	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	4771	0.990	ug/L	92
65) 1,4-Dichlorobenzene	13.579	146	5244	1.086	ug/L	91
67) 1,2-Dichlorobenzene	13.865	146	4490	1.048	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	263m	0.974	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	3501	1.012	ug/L	93
70) 1,2,4-trichlorobenzene	15.127	180	2539	0.970	ug/L	97
71) Naphthalene	15.359	128	3829	0.828	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.548	180	2283	1.008	ug/L	93

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

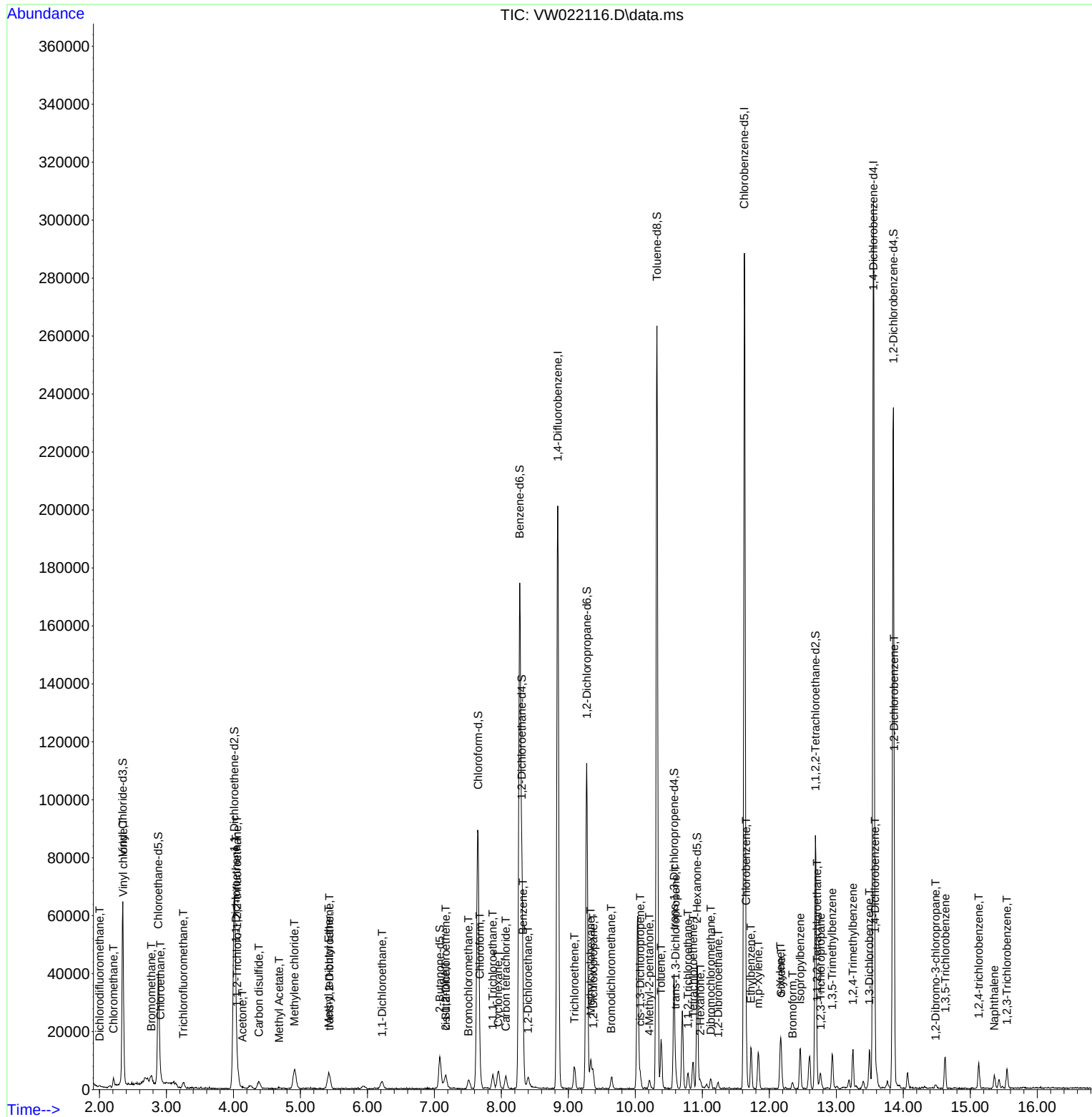
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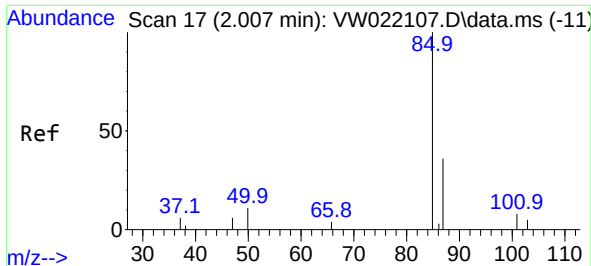
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ClientSampleId :
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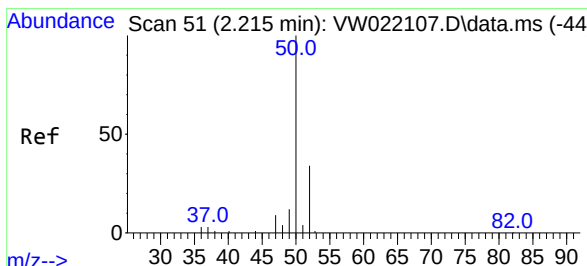
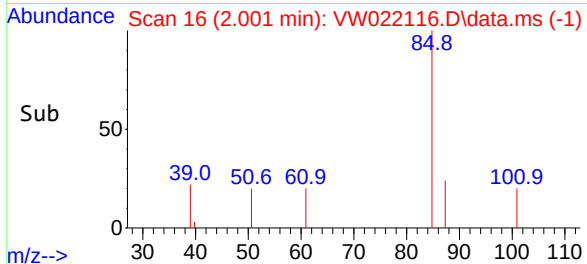
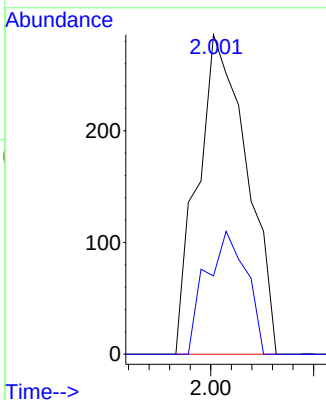
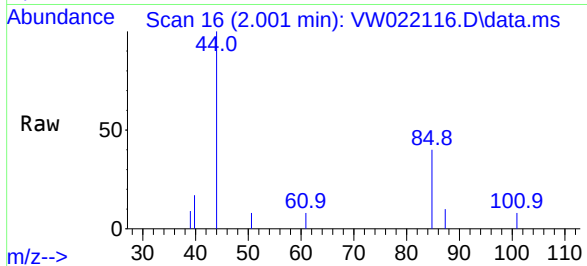
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Dichlorodifluoromethane
Concen: 0.956 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02

Tgt Ion: 85 Resp: 475
Ion Ratio Lower Upper
85 100
87 31.6 27.6 41.4

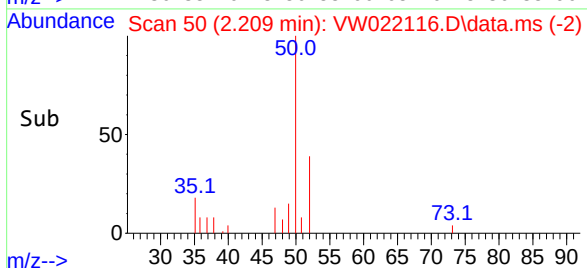
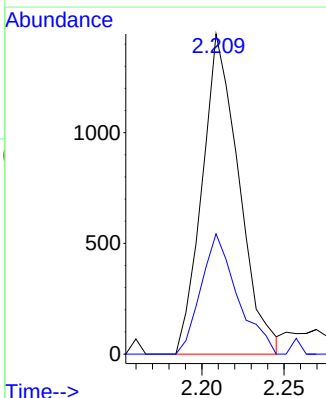
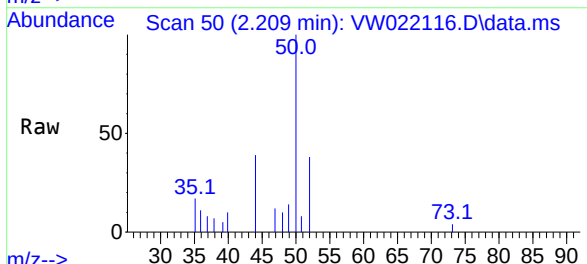
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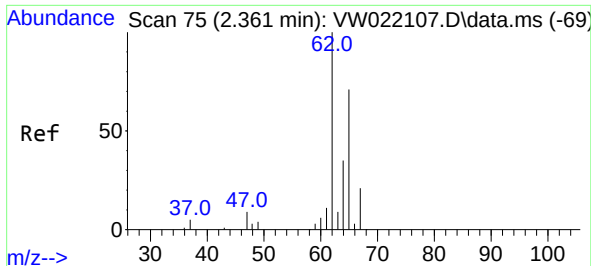
Reviewed By :Semsettin Yesilyurt 02/24/2022
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#3
Chloromethane
Concen: 1.320 ug/L
RT: 2.209 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

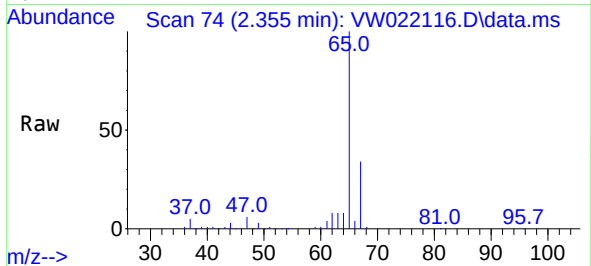
Tgt Ion: 50 Resp: 2248
Ion Ratio Lower Upper
50 100
52 37.6 23.9 44.5





#5
 Vinyl chloride
 Concen: 1.323 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW022116.D
 Acq: 23 Feb 2022 18:13

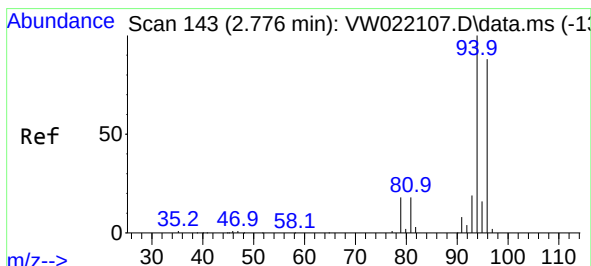
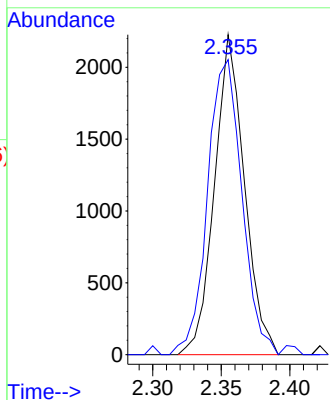
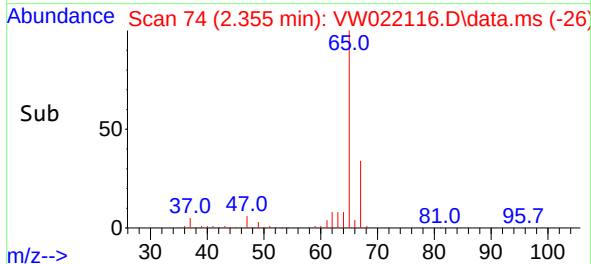
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2022-02



Tgt Ion: 62 Resp: 3380
 Ion Ratio Lower Upper
 62 100
 64 92.2 24.7 45.9

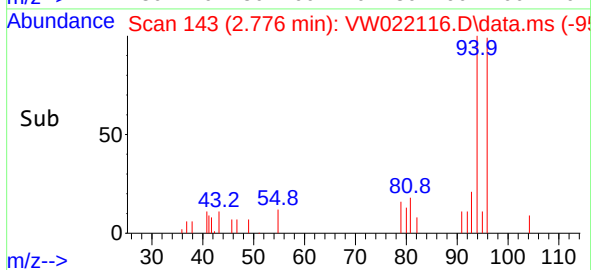
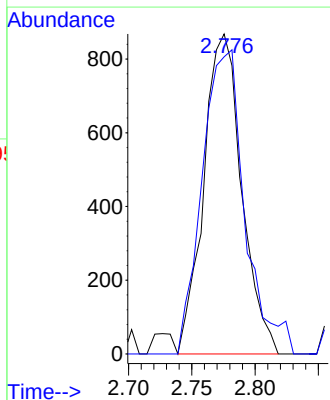
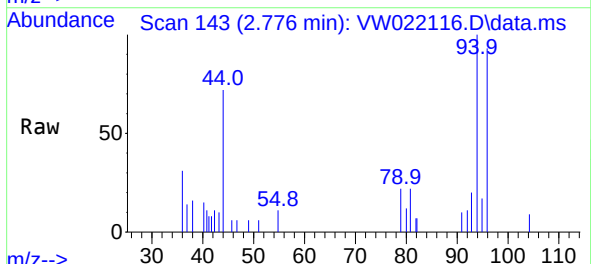
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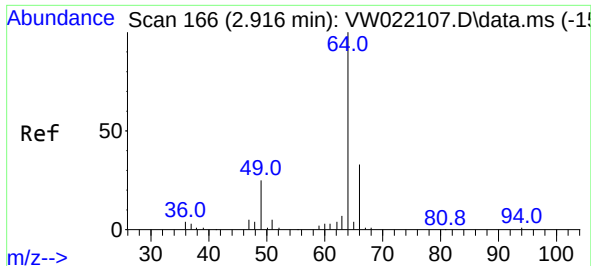
Reviewed By :Semsettin Yesilyurt 02/24/2022
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#6
 Bromomethane
 Concen: 1.014 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022116.D
 Acq: 23 Feb 2022 18:13

Tgt Ion: 94 Resp: 1813
 Ion Ratio Lower Upper
 94 100
 96 92.9 61.2 113.8





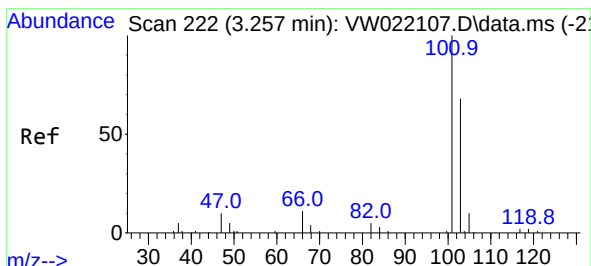
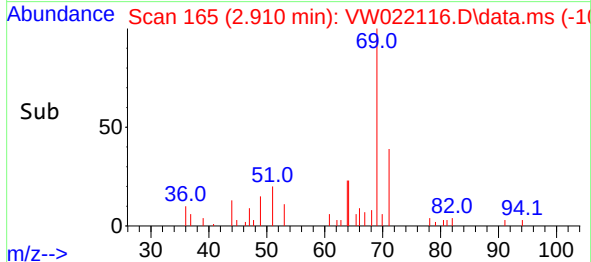
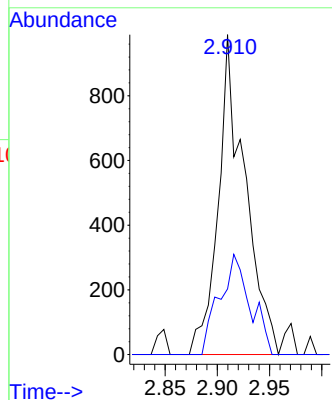
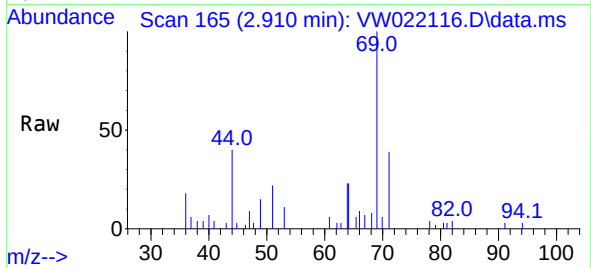
#8
Chloroethane
Concen: 1.225 ug/L m
RT: 2.910 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument :
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ClientSampleId :
MDL-SOIL-QT1-2022-02

Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 40.9 23.2 43.0

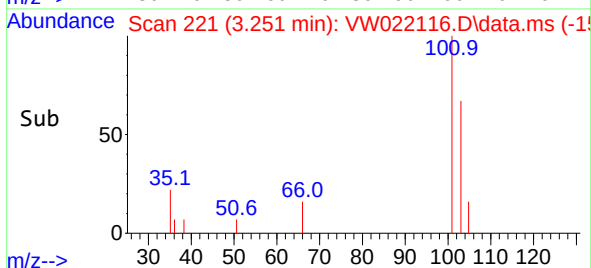
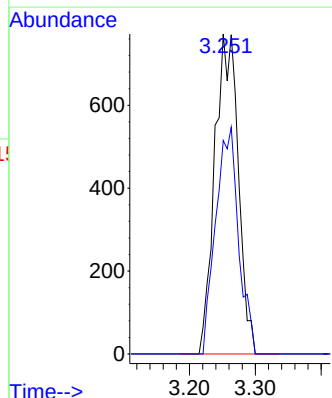
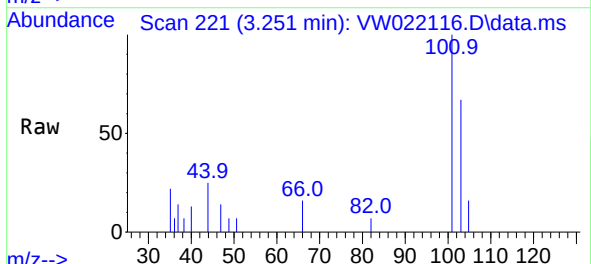
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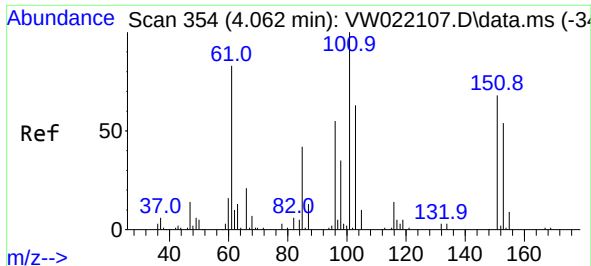
Reviewed By :Semsettin Yesilyurt 02/24/2022
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#9
Trichlorofluoromethane
Concen: 1.100 ug/L m
RT: 3.251 min Scan# 221
Delta R.T. -0.012 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Tgt Ion:101 Resp: 1911
Ion Ratio Lower Upper
101 100
103 68.9 53.2 79.8





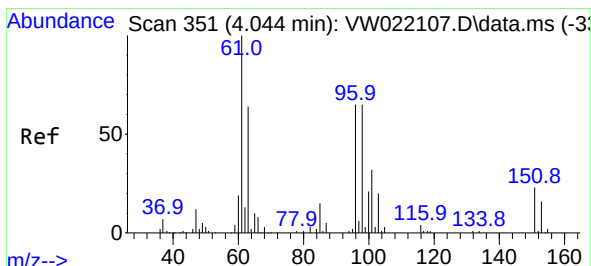
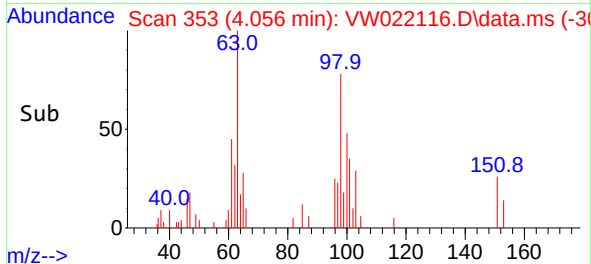
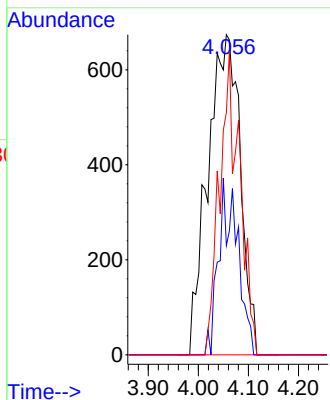
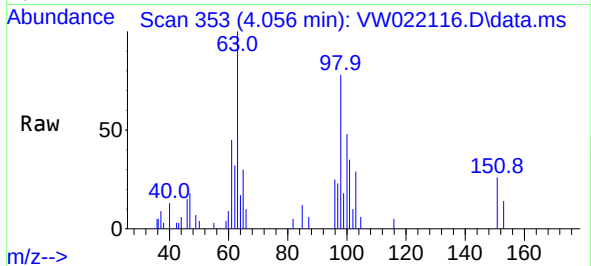
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.427 ug/L m
RT: 4.056 min Scan# 302
Delta R.T. -0.006 min
Lab File: VW022116.D
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Tgt Ion:101 Resp: 3024
Ion Ratio Lower Upper
101 100
85 9.7 34.4 51.6
151 0.0 59.0 88.4

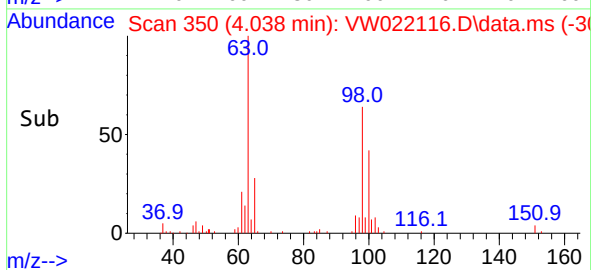
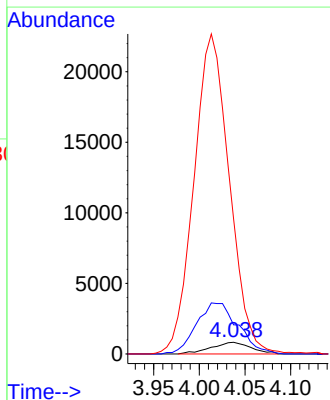
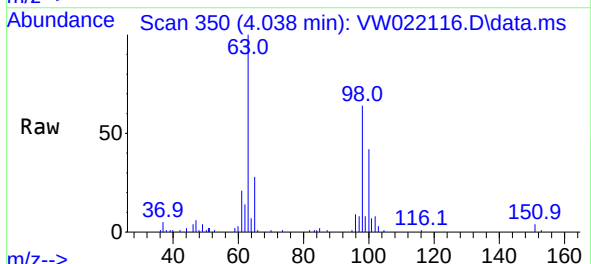
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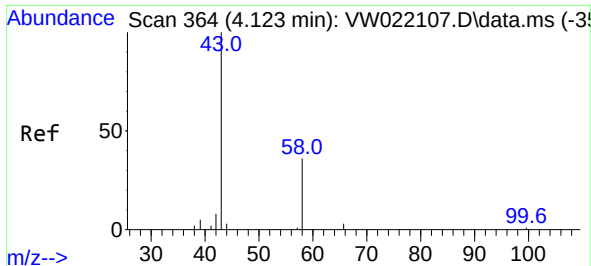
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#12
1,1-Dichloroethene
Concen: 1.375 ug/L
RT: 4.038 min Scan# 350
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

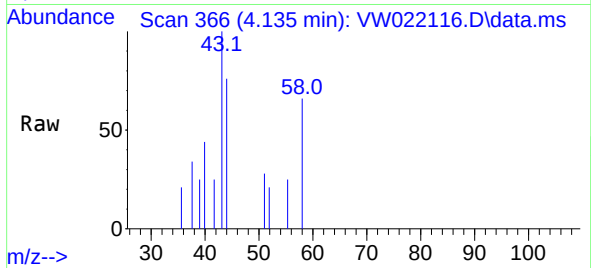
Tgt Ion: 96 Resp: 2527
Ion Ratio Lower Upper
96 100
61 247.3 108.4 201.2#
63 1151.3 72.0 133.6#





#13
Acetone
Concen: 2.715 ug/L m
RT: 4.135 min Scan# 30
Delta R.T. 0.018 min
Lab File: VW022116.D
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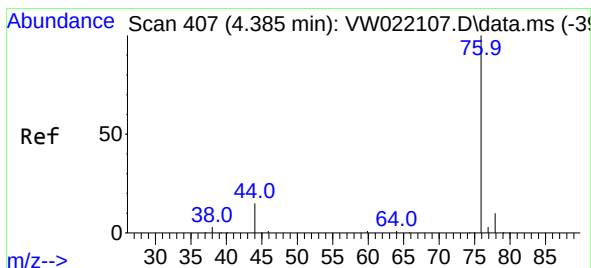
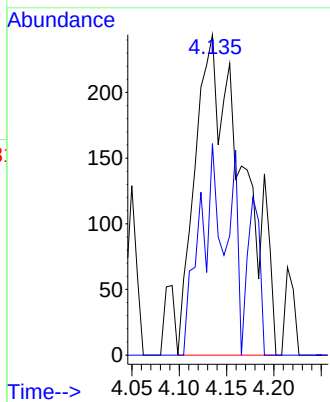
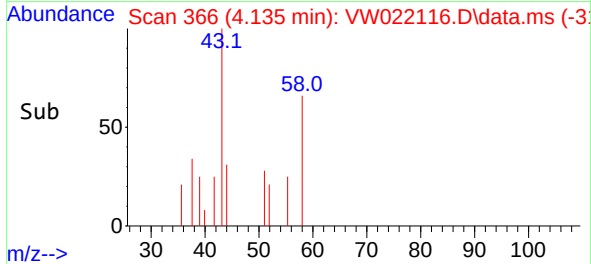
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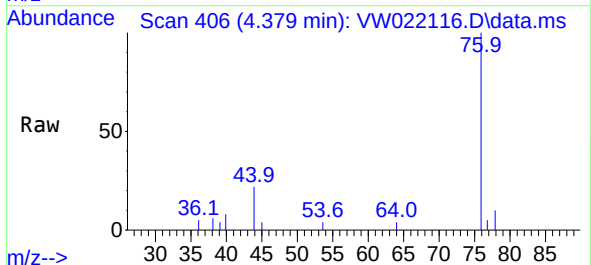
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Ion Ratio Lower Upper
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APPROVED

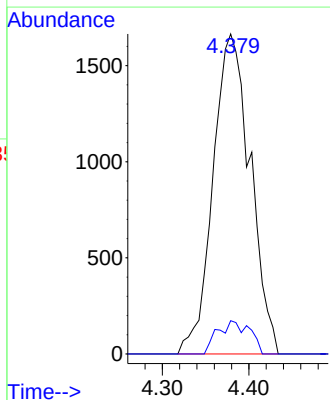
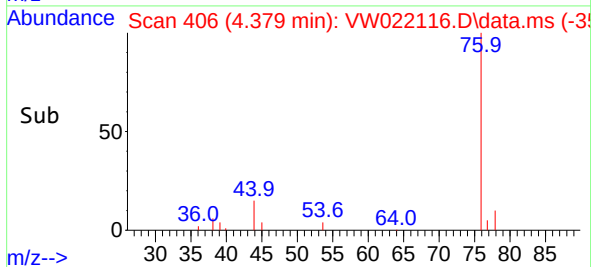
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

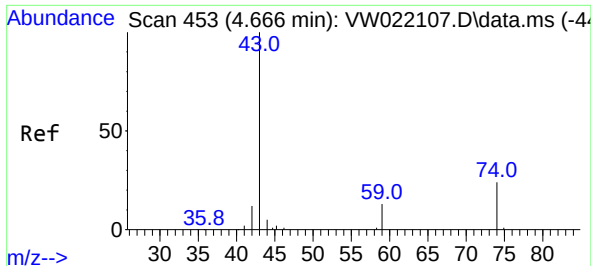


#14
Carbon disulfide
Concen: 1.046 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



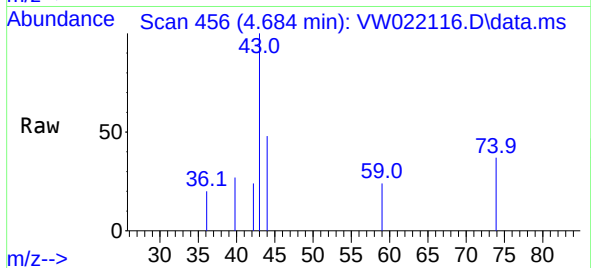
Tgt Ion: 76 Resp: 4981
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.8





#15
Methyl Acetate
Concen: 1.308 ug/L m
RT: 4.684 min Scan# 4
Delta R.T. 0.018 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

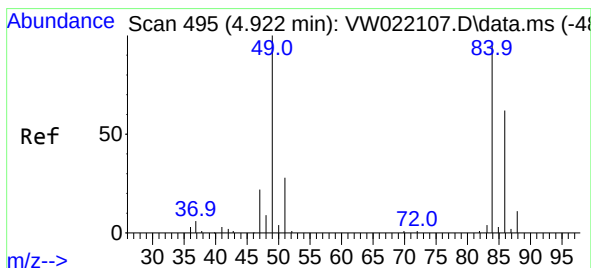
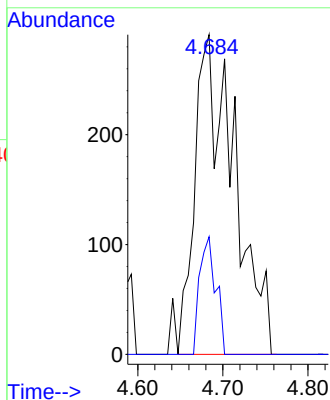
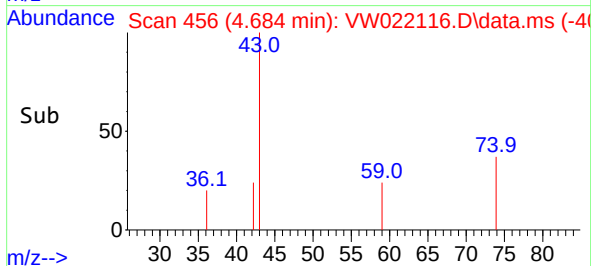
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



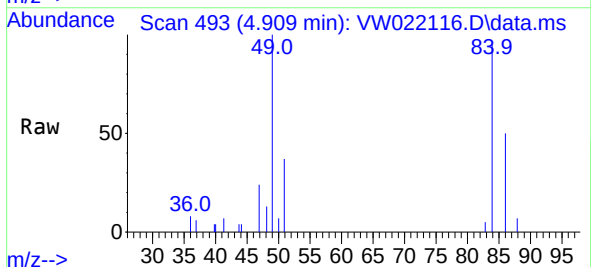
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
74 15.1 23.0 34.6

Manual Integrations
APPROVED

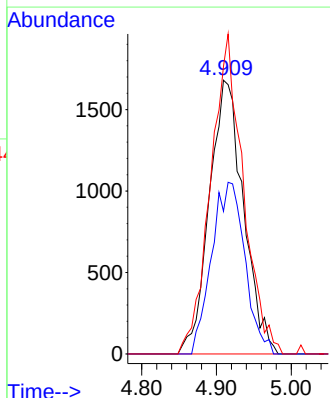
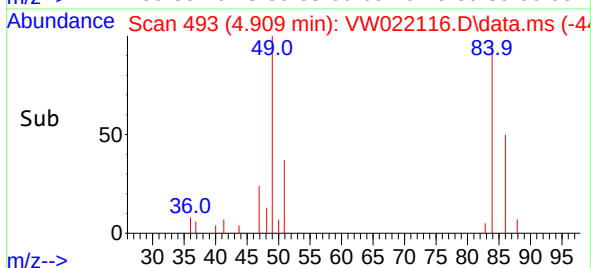
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

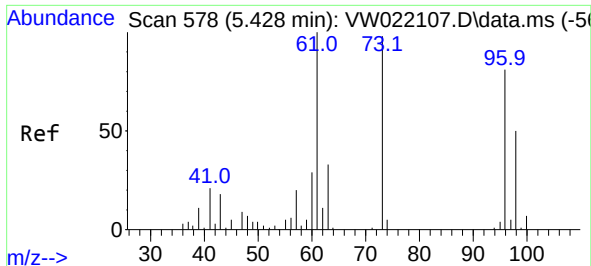


#16
Methylene chloride
Concen: 2.444 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.007 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



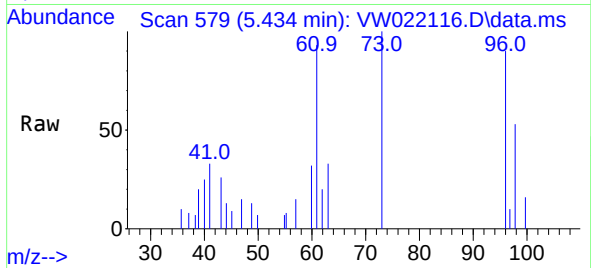
Tgt Ion: 84 Resp: 5336
Ion Ratio Lower Upper
84 100
86 52.1 45.8 85.0
49 105.1 73.8 137.0





#17
trans-1,2-Dichloroethene
Concen: 1.041 ug/L
RT: 5.434 min Scan# 510
Delta R.T. 0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

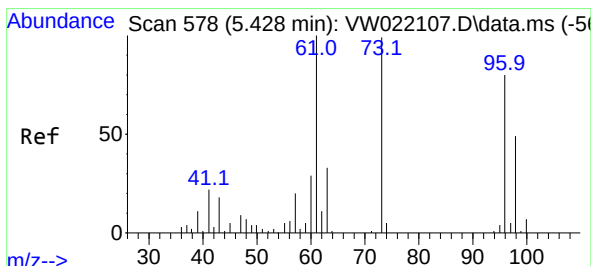
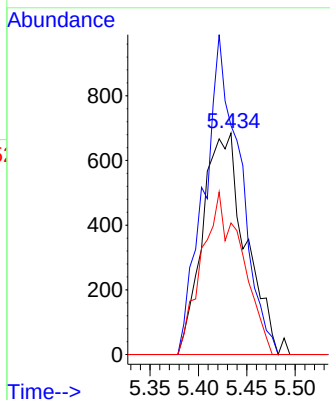
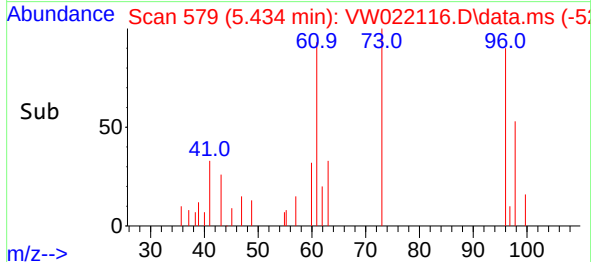
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



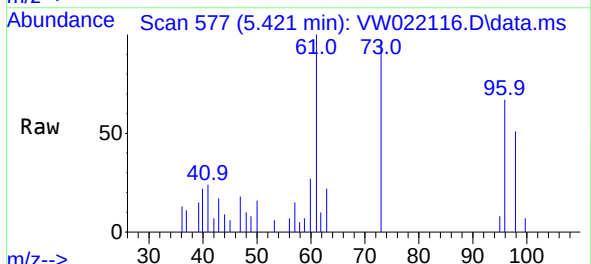
Tgt Ion: 96 Resp: 2100
Ion Ratio Lower Upper
96 100
61 103.4 87.3 162.1
98 59.4 43.2 80.2

Manual Integrations
APPROVED

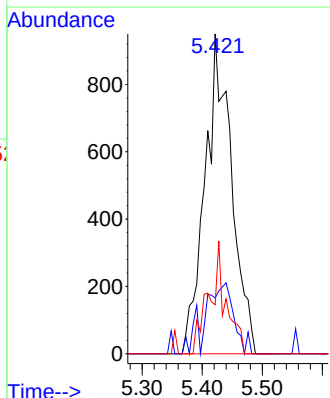
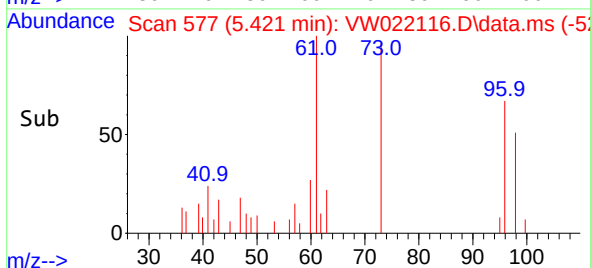
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

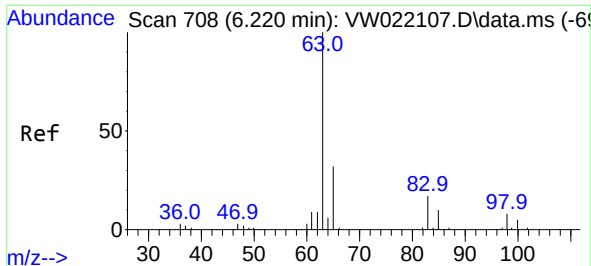


#18
Methyl tert-butyl Ether
Concen: 1.064 ug/L m
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



Tgt Ion: 73 Resp: 2920
Ion Ratio Lower Upper
73 100
43 0.8 15.4 23.2#
57 3.1 16.5 24.7#





#19

1,1-Dichloroethane

Concen: 1.034 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Instrument :

MSVOA_W

ClientSampleId :

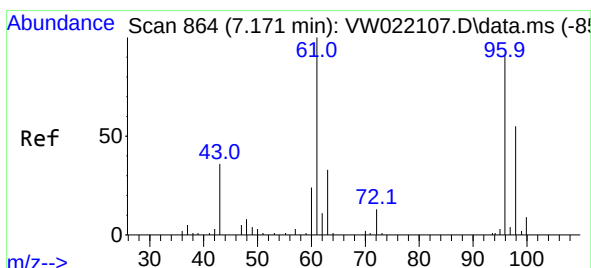
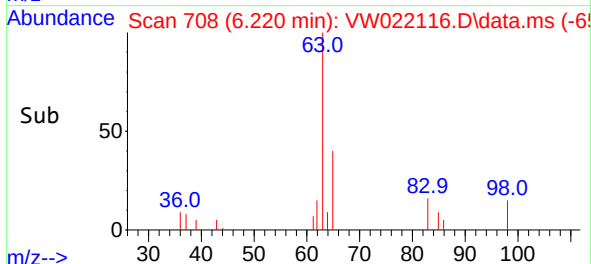
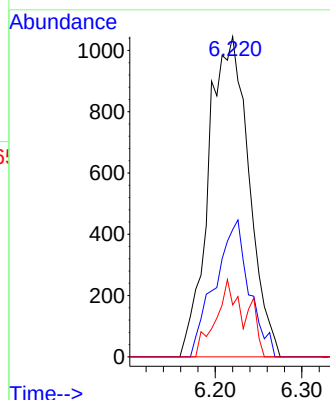
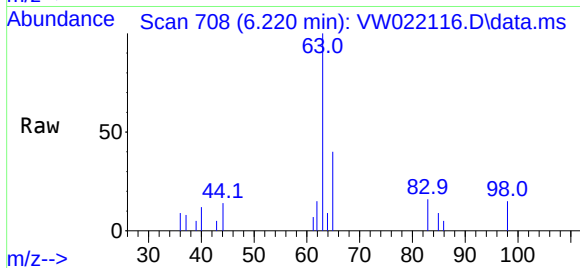
MDL-SOIL-QT1-2022-02

Tgt Ion: 63	Resp: 337		
Ion Ratio	Lower	Upper	
63	100		
65	39.7	22.5	41.9
83	16.2	11.5	21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#20

cis-1,2-Dichloroethene

Concen: 1.068 ug/L

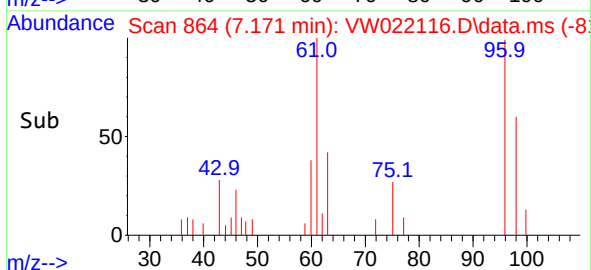
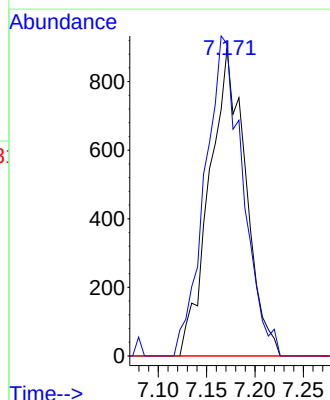
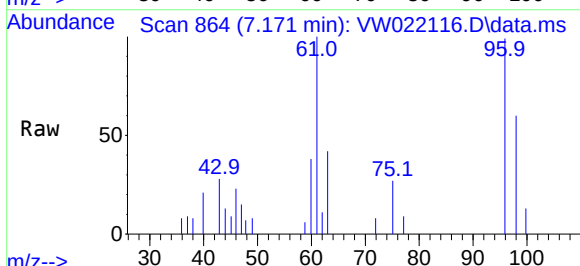
RT: 7.171 min Scan# 864

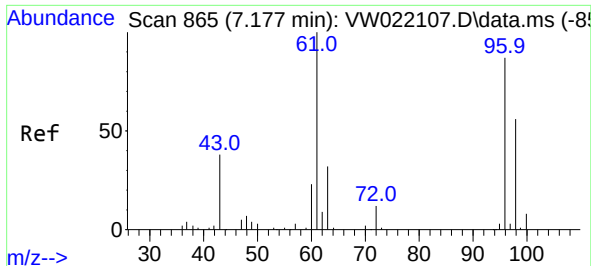
Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

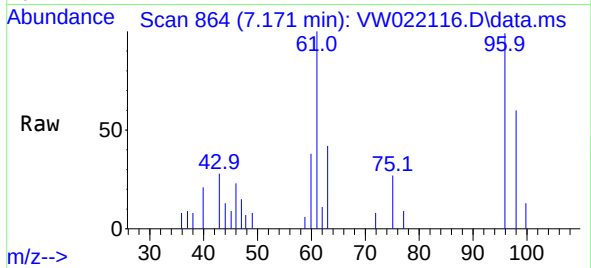
Tgt Ion: 96	Resp: 2335		
Ion Ratio	Lower	Upper	
96	100		
61	101.3	76.8	142.6
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 1.873 ug/L m
RT: 7.171 min Scan# 865
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

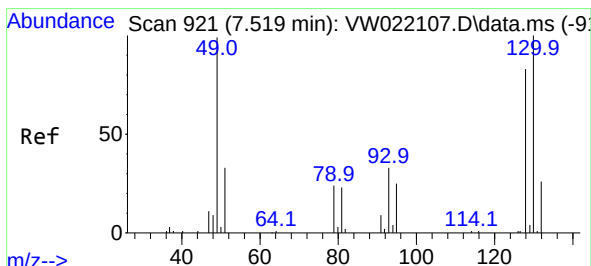
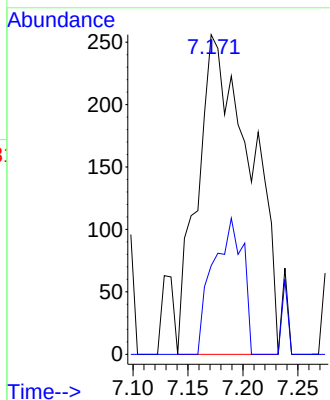
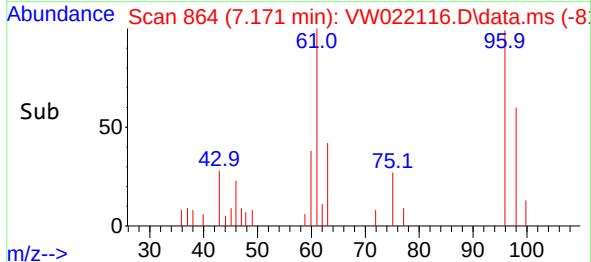
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



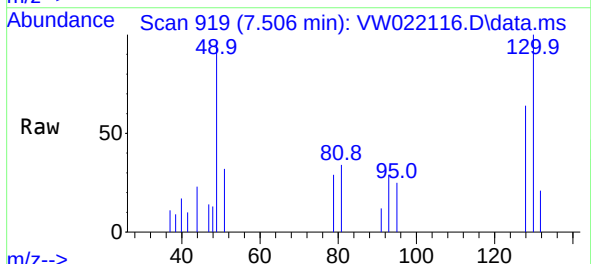
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
72 24.0 17.0 51.0

Manual Integrations
APPROVED

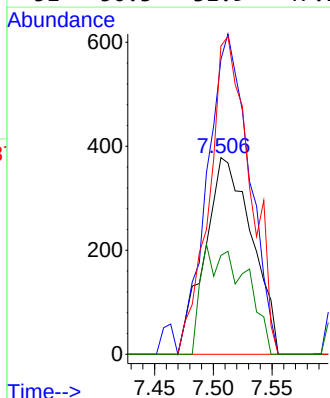
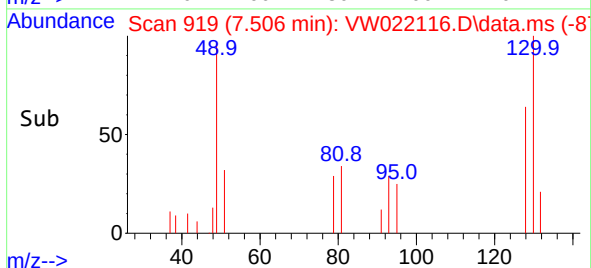
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

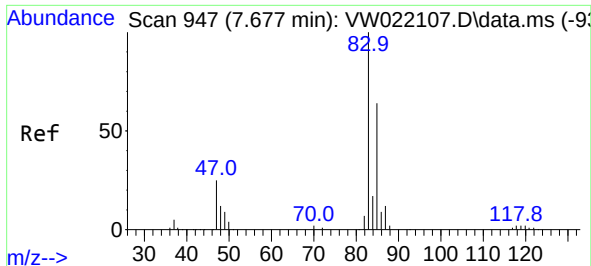


#23
Bromochloromethane
Concen: 0.990 ug/L
RT: 7.506 min Scan# 919
Delta R.T. -0.007 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



Tgt Ion:128 Resp: 1057
Ion Ratio Lower Upper
128 100
49 150.0 84.2 156.4
130 156.9 84.8 157.4
51 50.3 31.9 47.9#





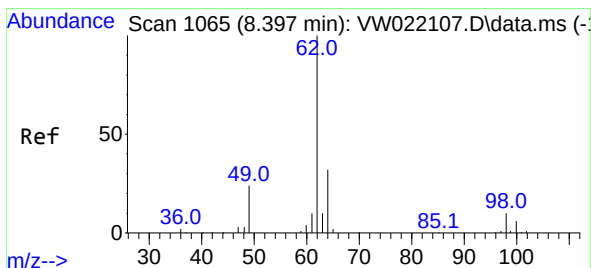
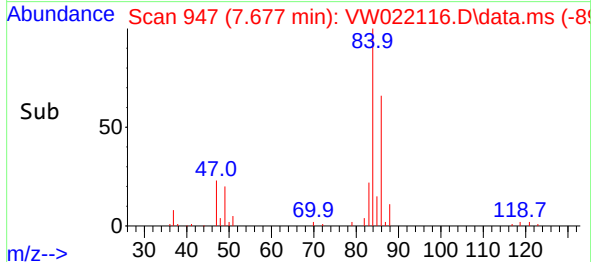
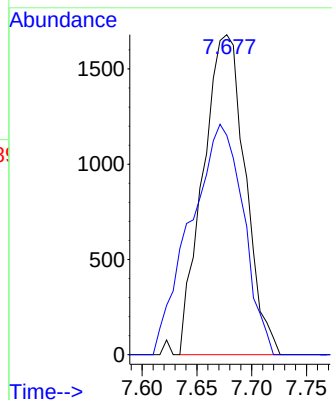
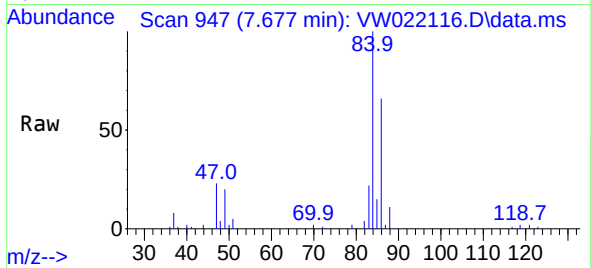
#25
Chloroform
Concen: 1.182 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-02

Tgt Ion: 83 Resp: 450
Ion Ratio Lower Upper
83 100
85 68.6 45.1 83.9

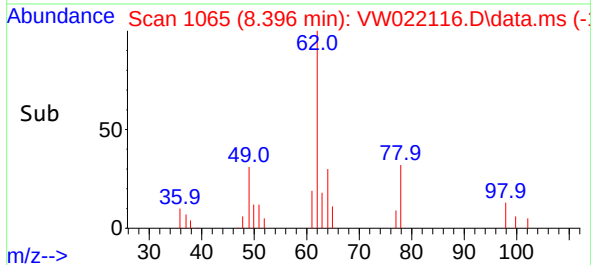
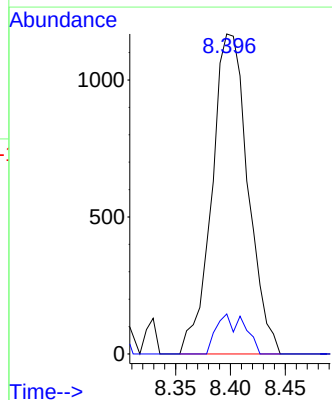
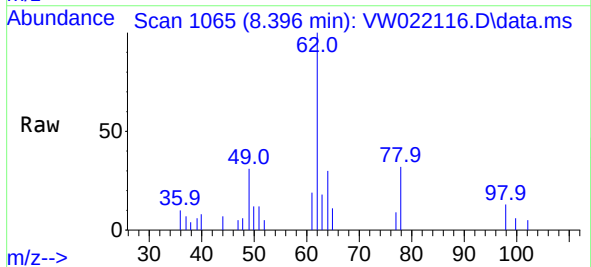
Manual Integrations
APPROVED

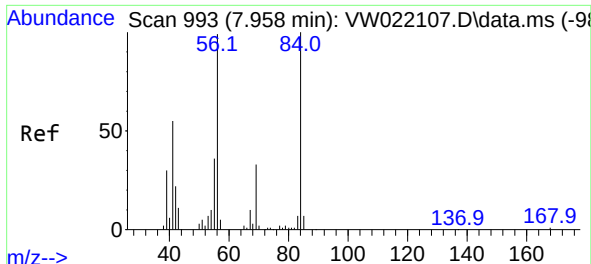
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#27
1,2-Dichloroethane
Concen: 1.139 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Tgt Ion: 62 Resp: 2674
Ion Ratio Lower Upper
62 100
98 12.5 7.9 11.9#





#29

Cyclohexane

Concen: 0.909 ug/L

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW022116.D

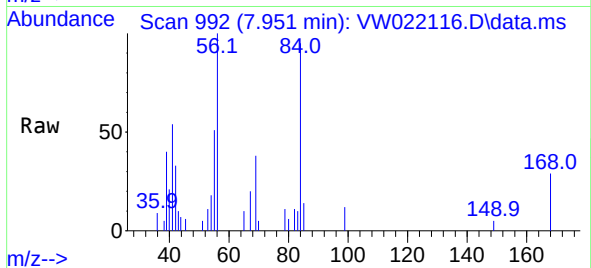
Acq: 23 Feb 2022 18:13

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-02

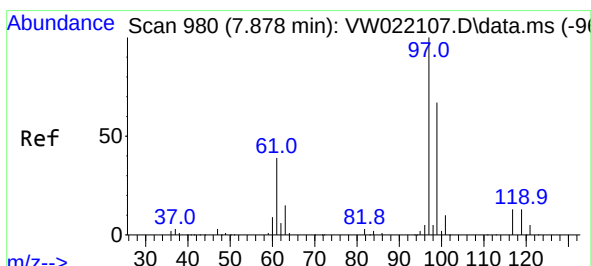
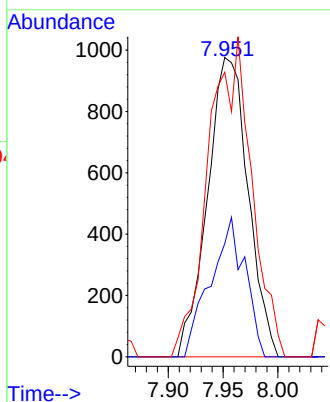
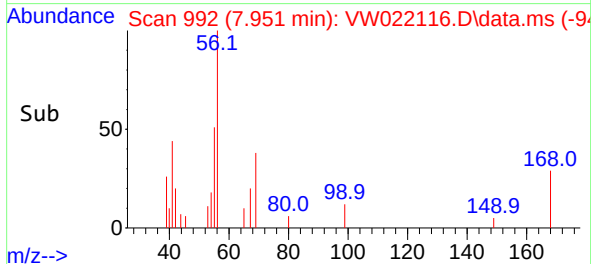


Tgt Ion:	56	Resp:	2514
Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.3	39.5
84	65.9	81.4	122.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#30

1,1,1-Trichloroethane

Concen: 1.028 ug/L

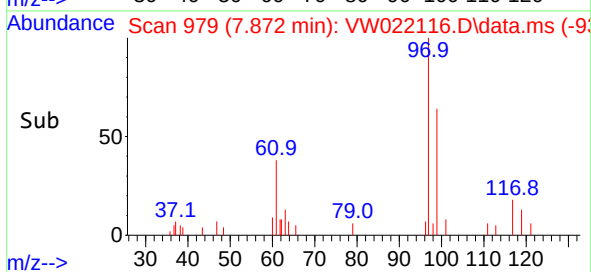
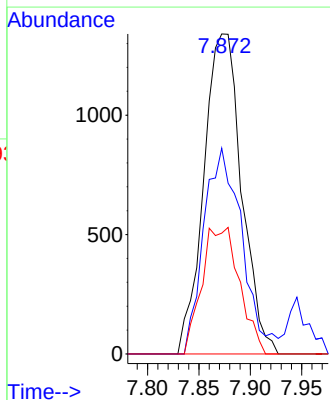
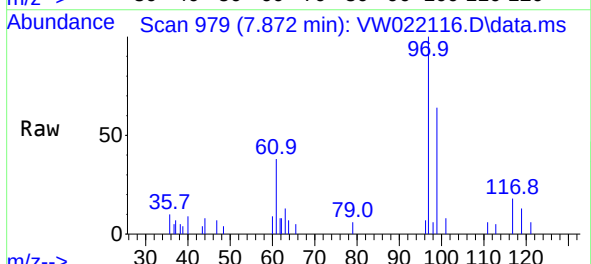
RT: 7.872 min Scan# 979

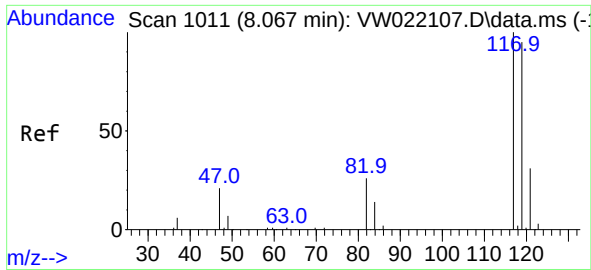
Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

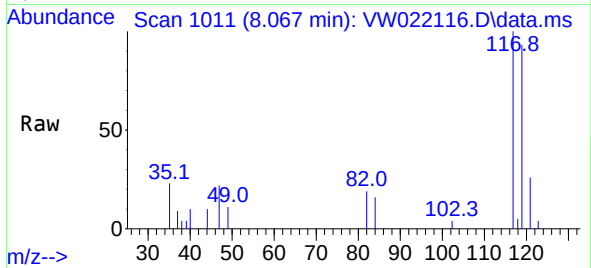
Tgt Ion:	97	Resp:	3436
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.6	78.8
61	17.6	33.0	49.6





#31
Carbon tetrachloride
Concen: 0.892 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

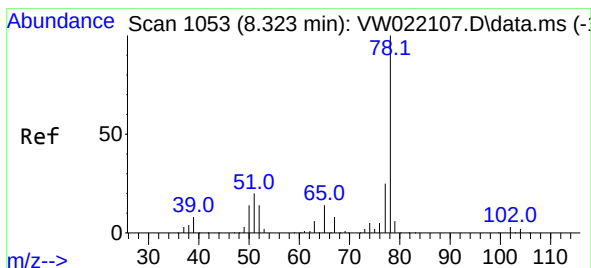
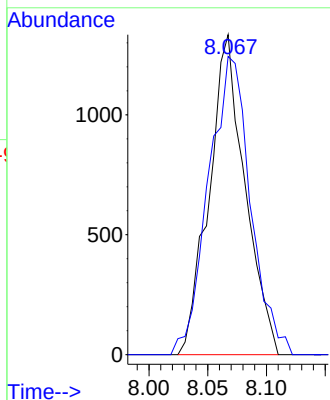
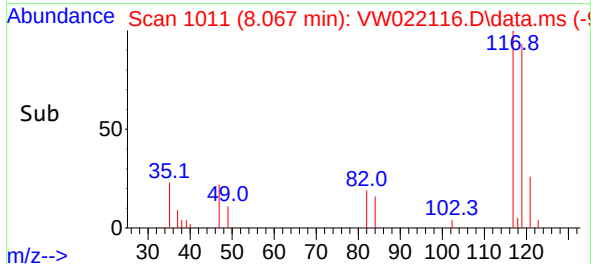
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-02



Tgt Ion:117 Resp: 2834
Ion Ratio Lower Upper
117 100
119 108.7 76.7 115.1

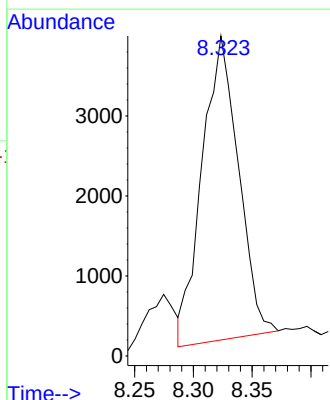
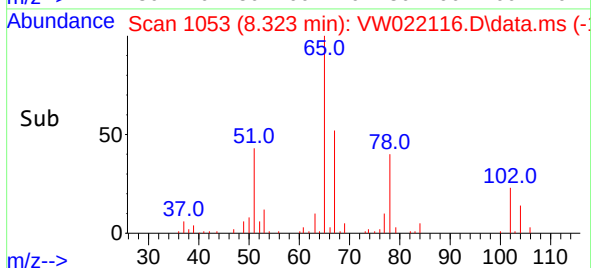
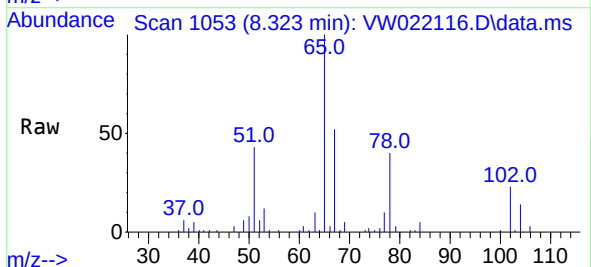
Manual Integrations
APPROVED

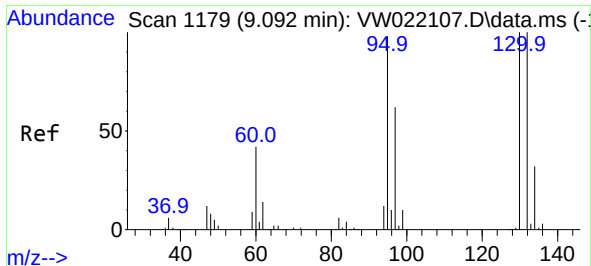
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#33
Benzene
Concen: 1.021 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

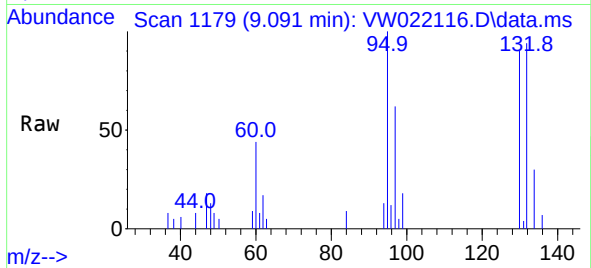
Tgt Ion: 78 Resp: 8202





#34
Trichloroethene
Concen: 1.114 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

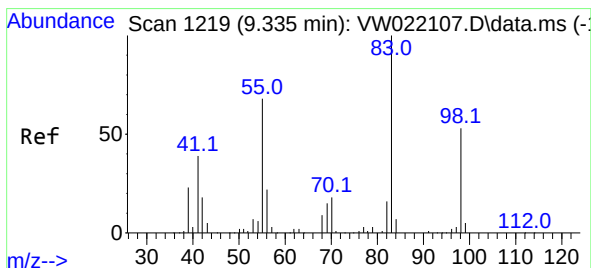
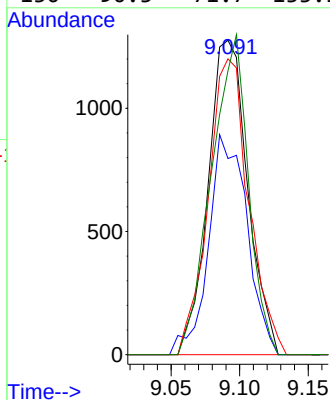
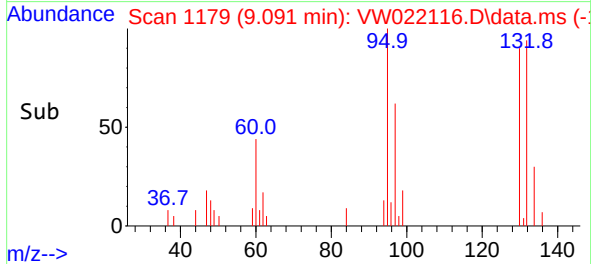
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



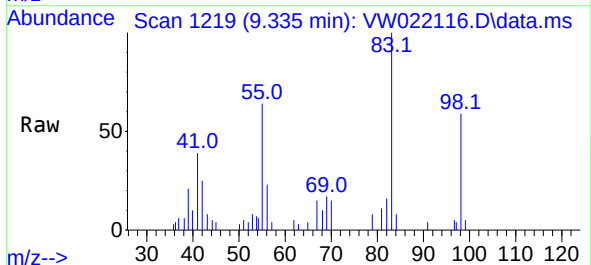
Tgt Ion: 95 Resp: 256
Ion Ratio Lower Upper
95 100
97 62.4 44.4 82.4
132 94.1 71.7 133.1
130 90.3 71.7 133.1

Manual Integrations
APPROVED

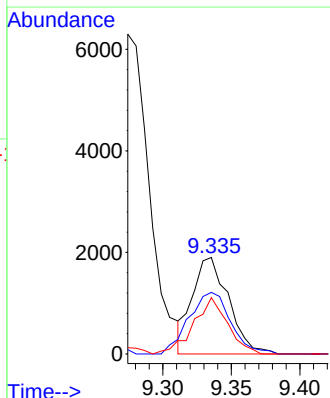
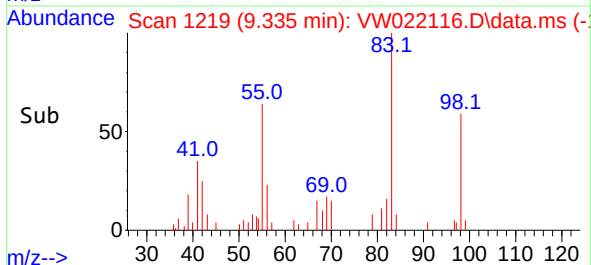
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

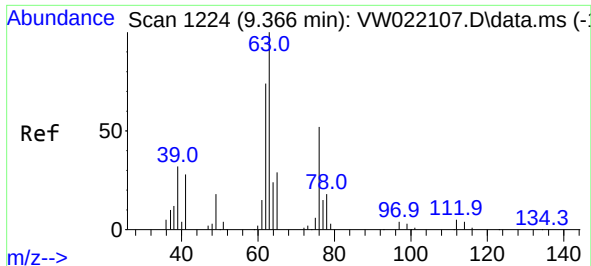


#35
Methylcyclohexane
Concen: 0.984 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



Tgt Ion: 83 Resp: 3501
Ion Ratio Lower Upper
83 100
55 73.6 53.8 80.8
98 54.9 42.1 63.1





#37

1,2-Dichloropropane

Concen: 1.004 ug/L

RT: 9.372 min Scan# 1188

Delta R.T. 0.006 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-02

Tgt Ion: 63 Resp: 188

Ion Ratio Lower Upper

63 100

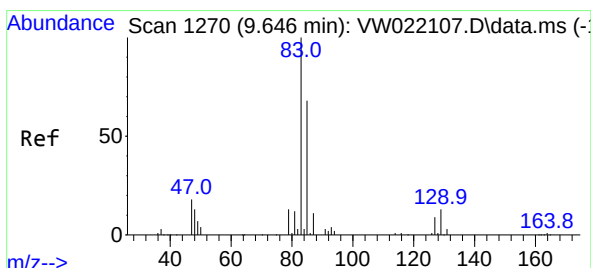
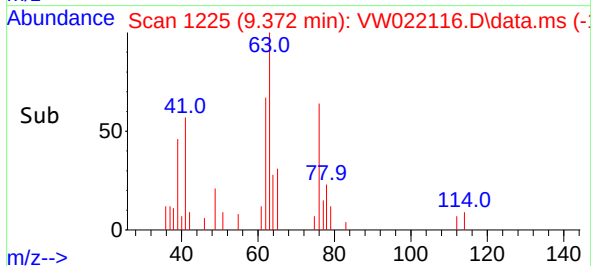
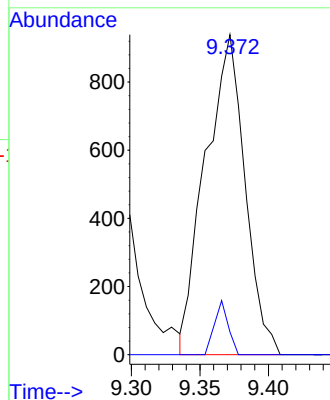
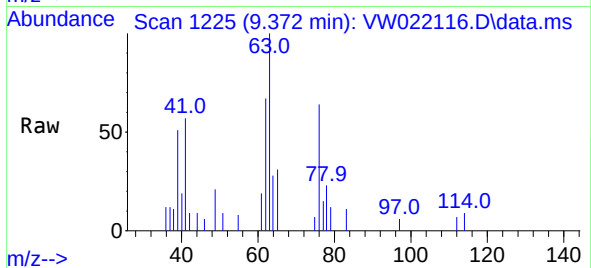
112 5.9 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#38

Bromodichloromethane

Concen: 0.932 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

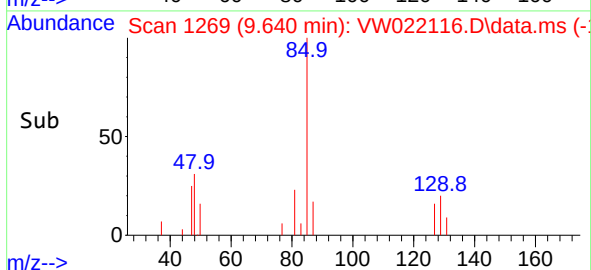
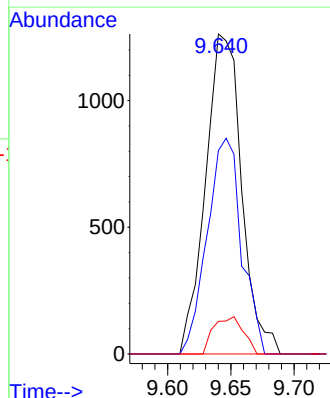
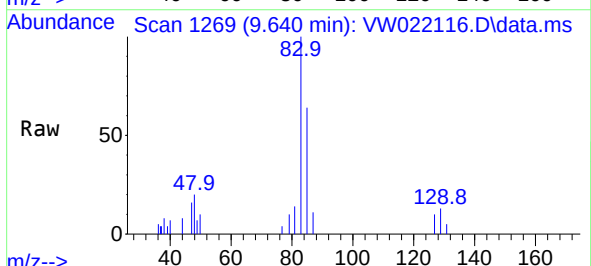
Tgt Ion: 83 Resp: 2505

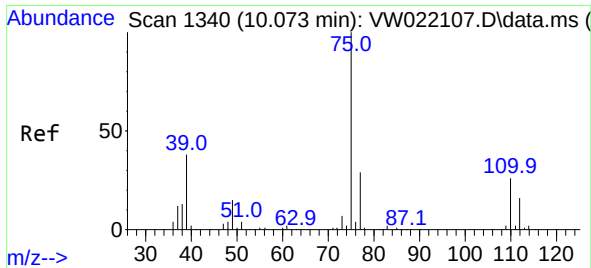
Ion Ratio Lower Upper

83 100

85 63.6 47.9 89.1

127 10.2 7.5 11.3





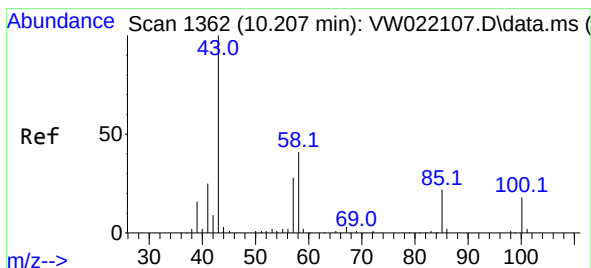
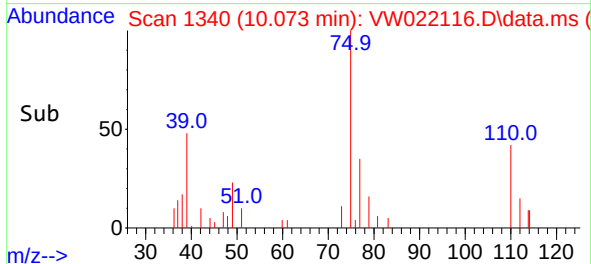
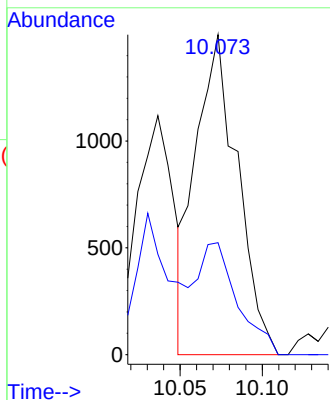
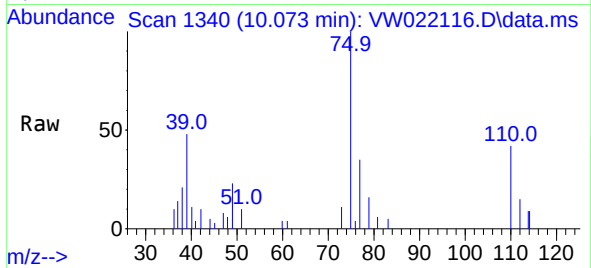
#39
cis-1,3-Dichloropropene
Concen: 0.929 ug/L
RT: 10.073 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02

Tgt Ion: 75 Resp: 2640
Ion Ratio Lower Upper
75 100
77 35.0 20.6 38.2

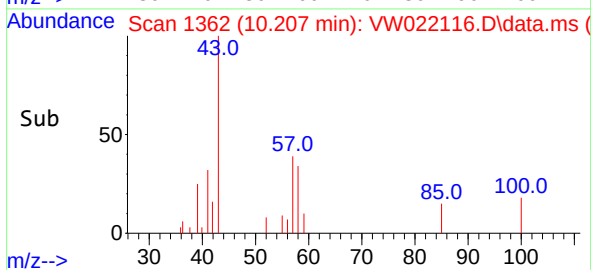
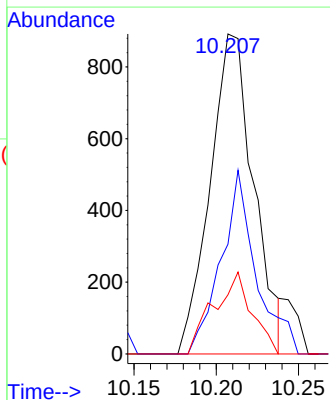
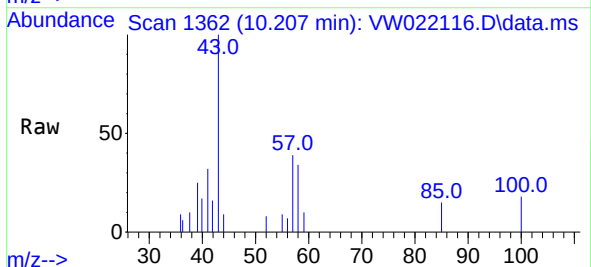
Manual Integrations
APPROVED

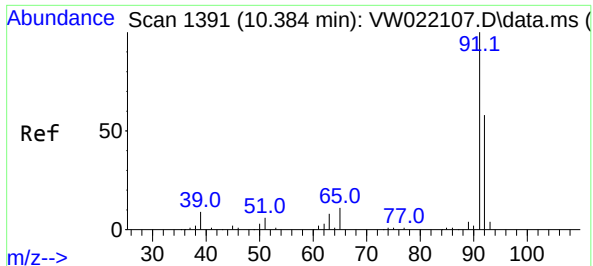
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#40
4-Methyl-2-pentanone
Concen: 1.625 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 46.0 33.2 49.8
100 22.3 16.1 24.1





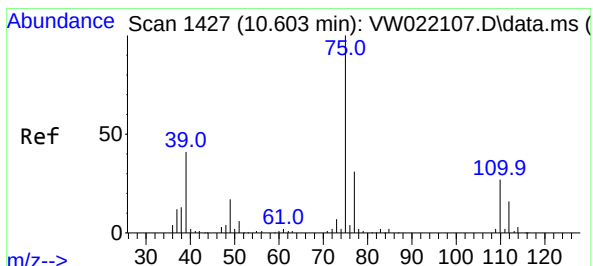
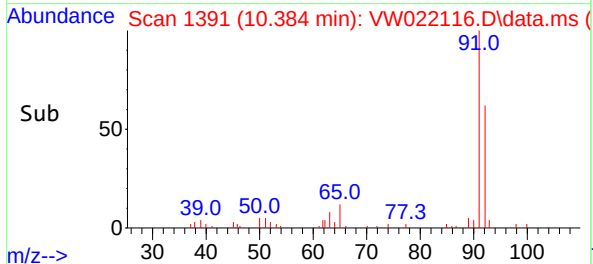
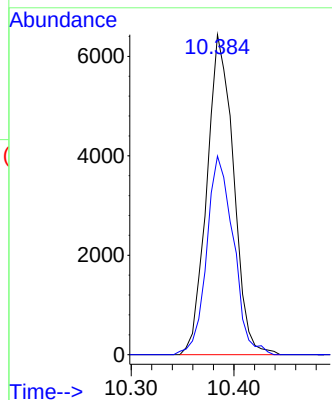
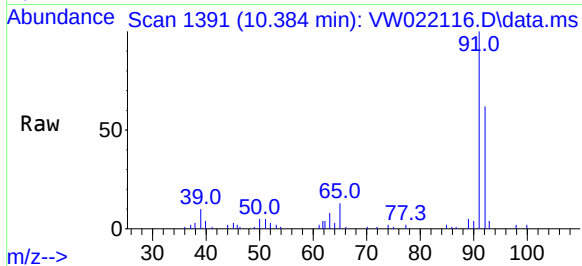
#42
Toluene
Concen: 1.276 ug/L
RT: 10.384 min Scan# 11604
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-02

Tgt Ion: 91 Resp: 11604
Ion Ratio Lower Upper
91 100
92 62.1 40.4 75.0

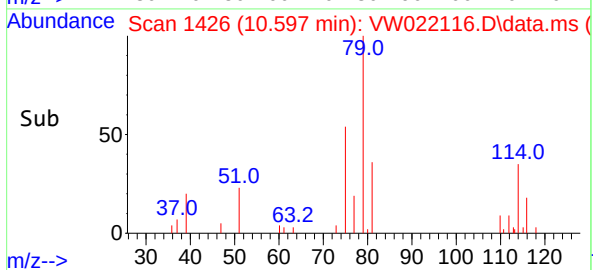
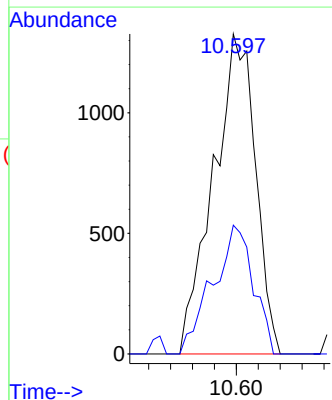
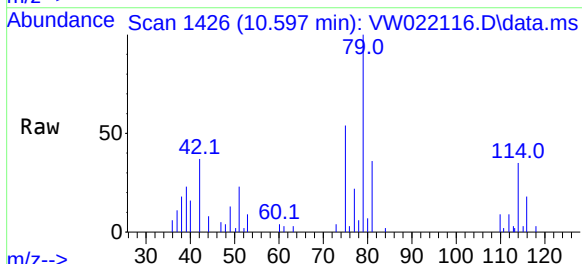
Manual Integrations
APPROVED

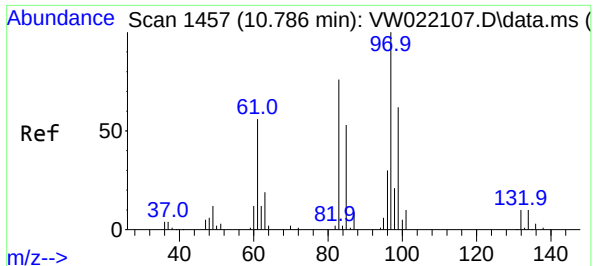
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#44
trans-1,3-Dichloropropene
Concen: 1.382 ug/L
RT: 10.597 min Scan# 1426
Delta R.T. -0.007 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Tgt Ion: 75 Resp: 3540
Ion Ratio Lower Upper
75 100
77 40.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 1.025 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-02

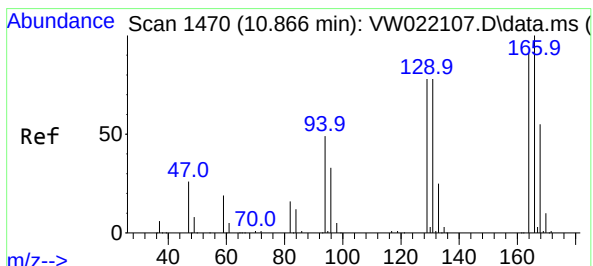
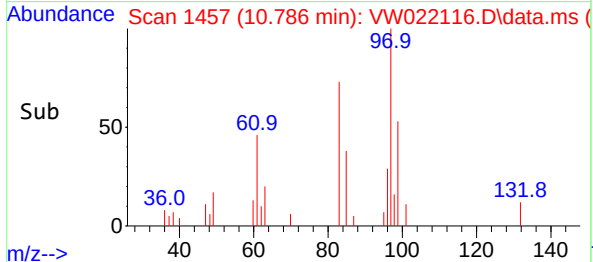
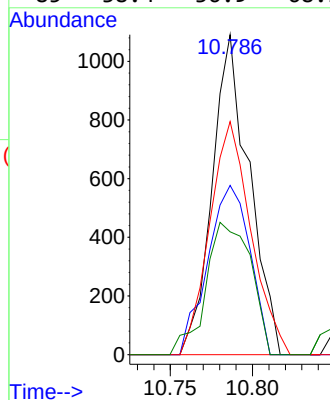
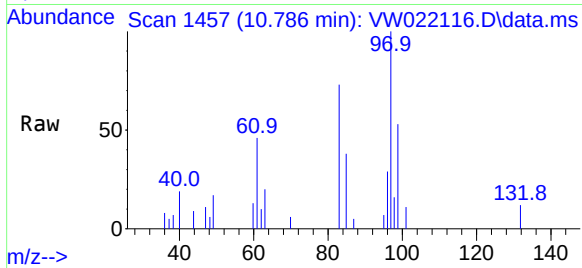
Tgt Ion: 97	Resp: 1704
Ion Ratio	Lower Upper
97 100	
99 52.9	43.5 80.7
83 72.9	53.5 99.3
85 38.4	36.9 68.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#46

Tetrachloroethene

Concen: 1.052 ug/L

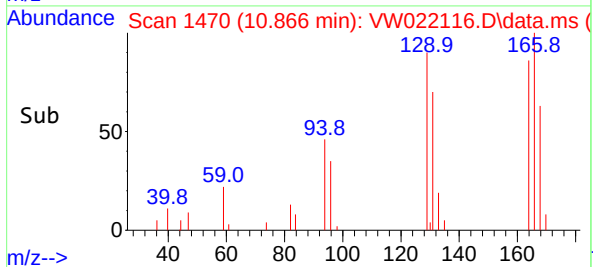
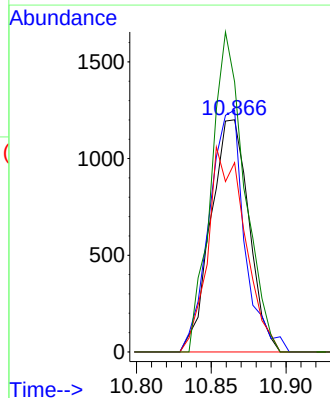
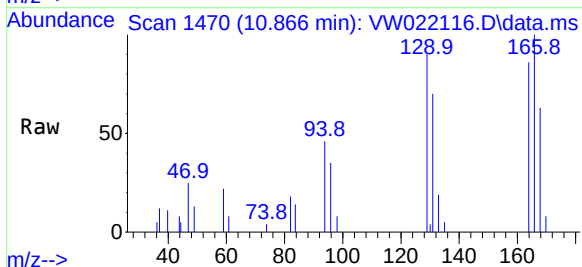
RT: 10.866 min Scan# 1470

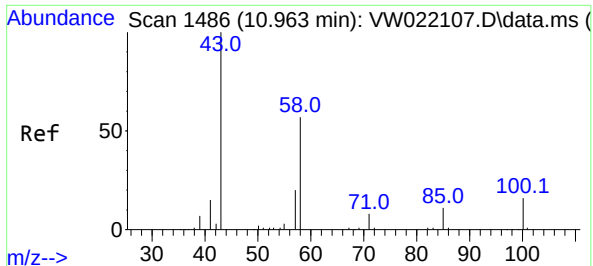
Delta R.T. 0.006 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

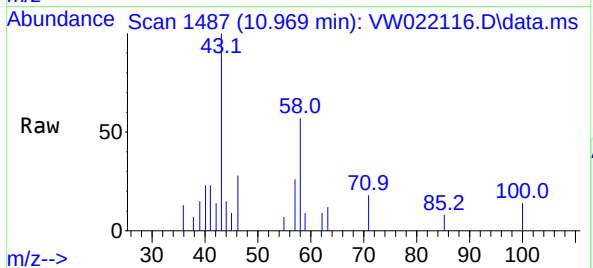
Tgt Ion:164	Resp: 2121
Ion Ratio	Lower Upper
164 100	
129 104.2	60.3 111.9
131 81.5	59.9 111.3
166 116.3	77.0 143.0





#48
2-Hexanone
Concen: 2.030 ug/L
RT: 10.969 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

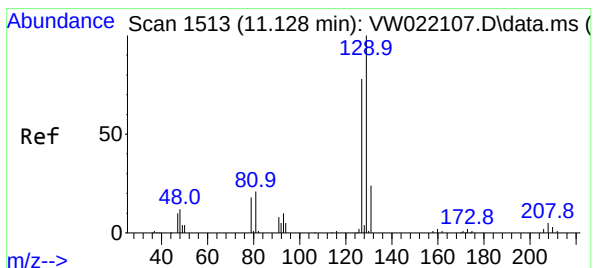
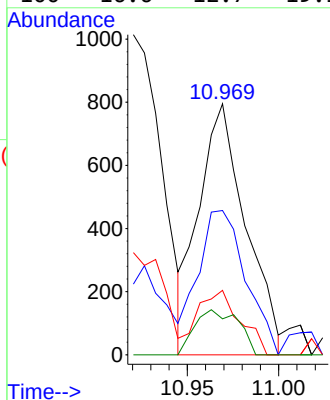
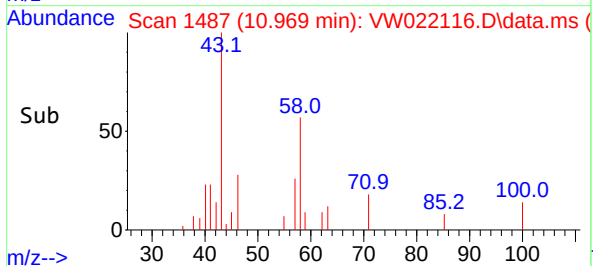
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



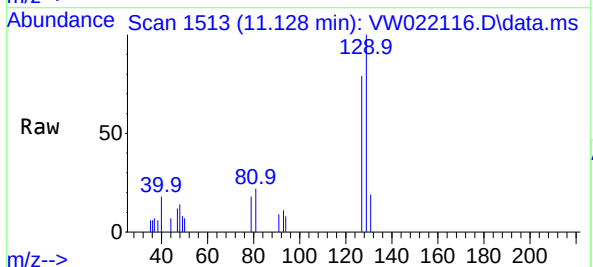
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
58 58.3 44.6 66.8
57 23.4 15.8 23.8
100 16.6 12.7 19.1

Manual Integrations
APPROVED

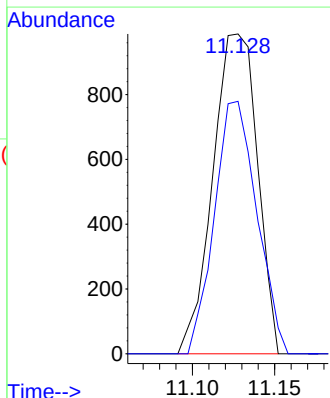
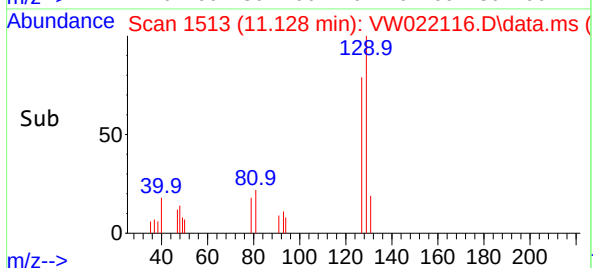
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

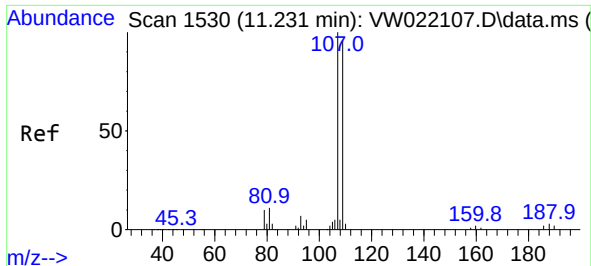


#49
Dibromochloromethane
Concen: 0.923 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



Tgt Ion:129 Resp: 1863
Ion Ratio Lower Upper
129 100
127 78.9 54.5 101.1





#50

1,2-Dibromoethane

Concen: 0.931 ug/L

RT: 11.237 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Instrument :

MSVOA_W

ClientSampleId :

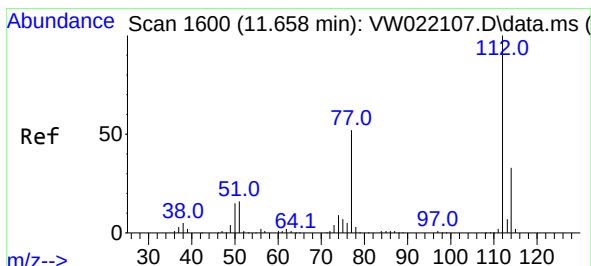
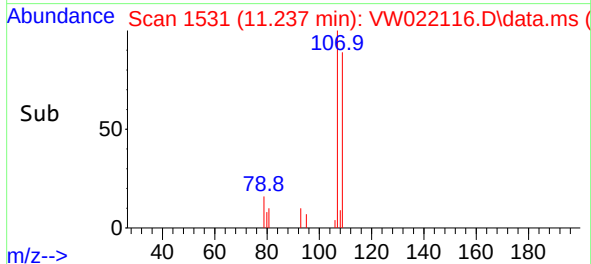
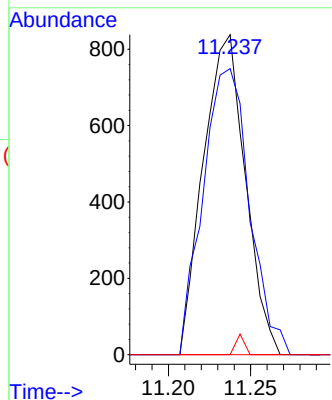
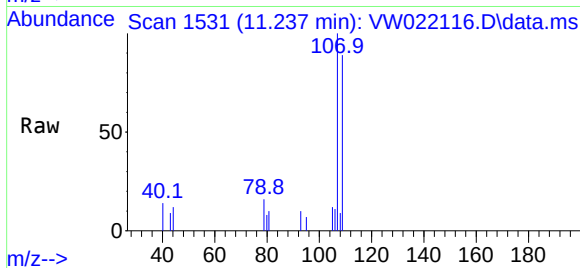
MDL-SOIL-QT1-2022-02

Tgt Ion:	107	Resp:	149
Ion Ratio	Lower	Upper	
107	100		
109	89.4	66.8	124.2
188	0.0	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#51

Chlorobenzene

Concen: 1.015 ug/L

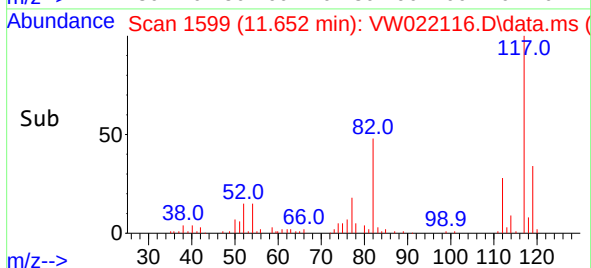
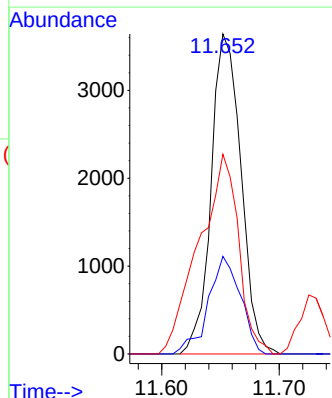
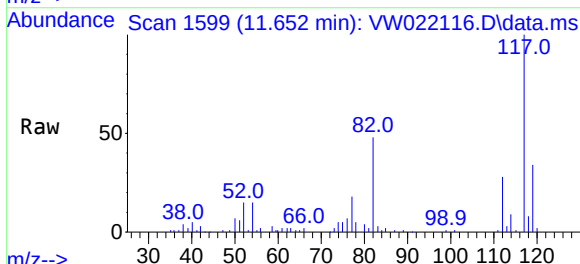
RT: 11.652 min Scan# 1599

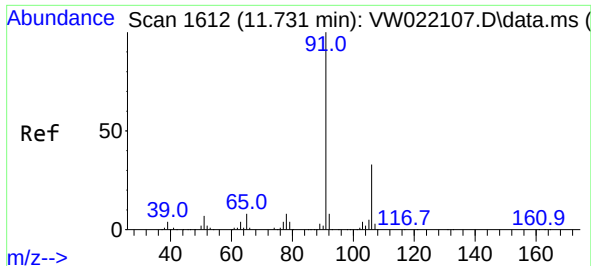
Delta R.T. -0.006 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Tgt Ion:	112	Resp:	6423
Ion Ratio	Lower	Upper	
112	100		
114	30.5	23.0	42.8
77	62.4	41.8	62.6





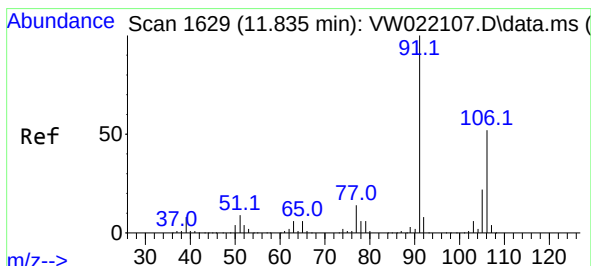
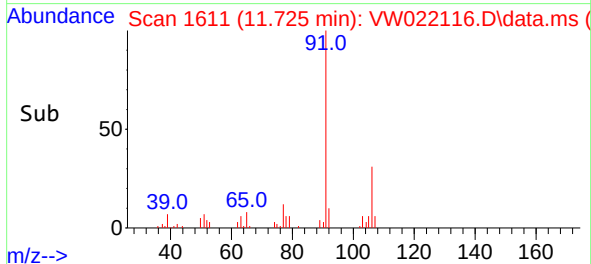
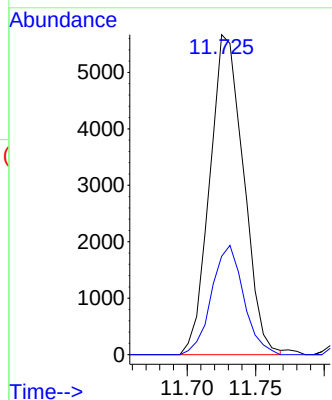
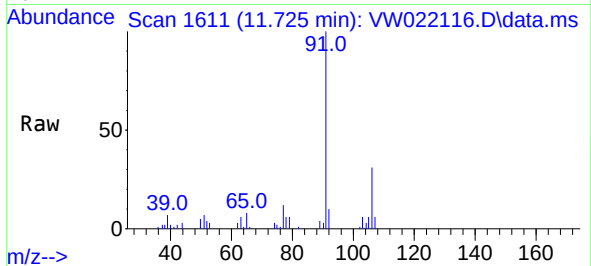
#52
Ethylbenzene
Concen: 0.965 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02

Tgt Ion: 91 Resp: 971
Ion Ratio Lower Upper
91 100
106 30.7 22.8 42.4

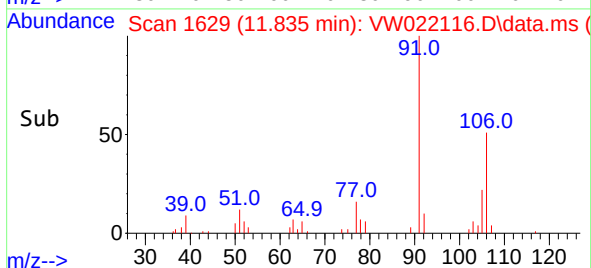
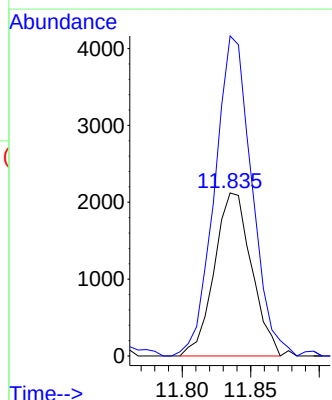
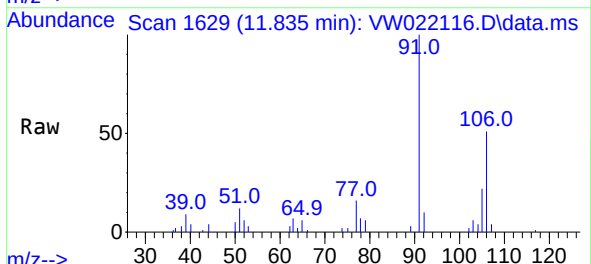
Manual Integrations
APPROVED

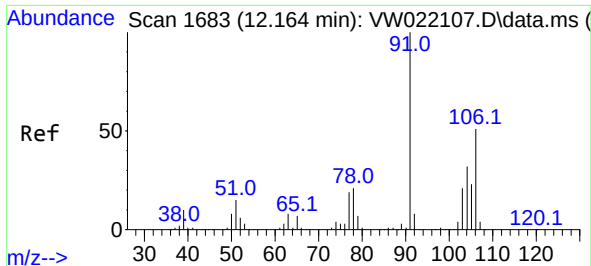
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#53
m,p-Xylene
Concen: 0.969 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

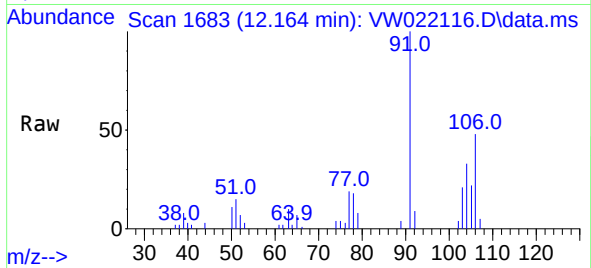
Tgt Ion:106 Resp: 4012
Ion Ratio Lower Upper
106 100
91 196.2 135.0 250.8





#54
o-Xylene
Concen: 0.894 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

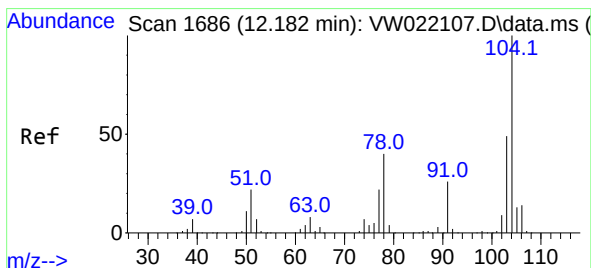
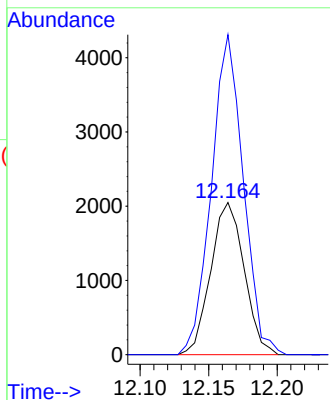
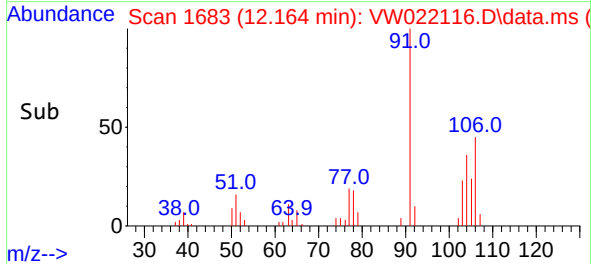
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



Tgt Ion:106 Resp: 3484
Ion Ratio Lower Upper
106 100
91 210.2 136.9 254.3

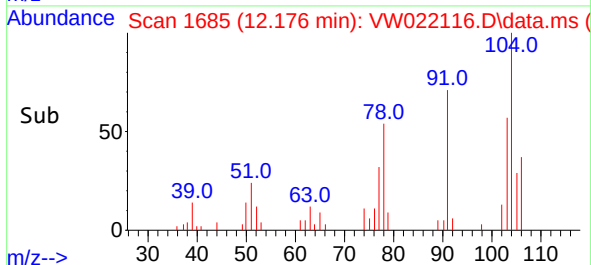
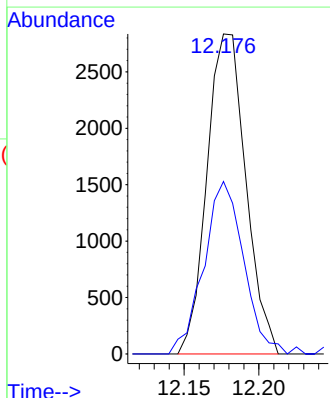
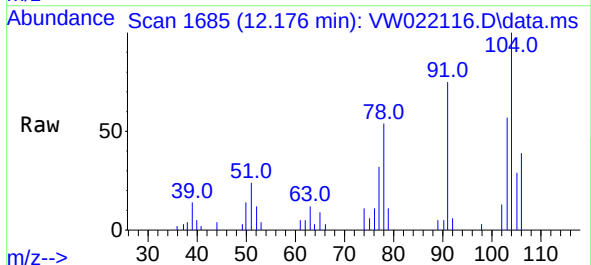
Manual Integrations
APPROVED

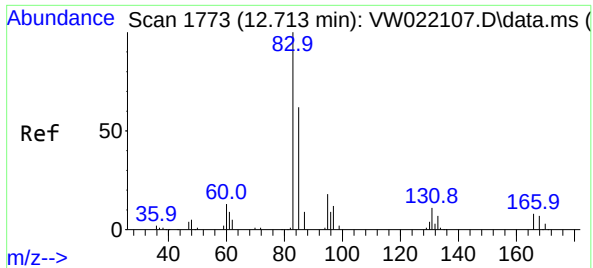
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#55
Styrene
Concen: 0.784 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Tgt Ion:104 Resp: 5123
Ion Ratio Lower Upper
104 100
78 53.9 27.8 51.6#





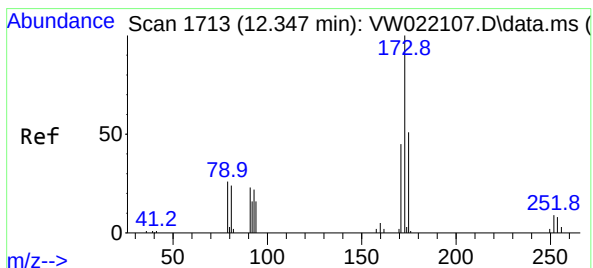
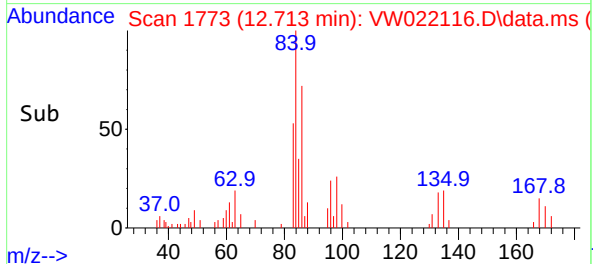
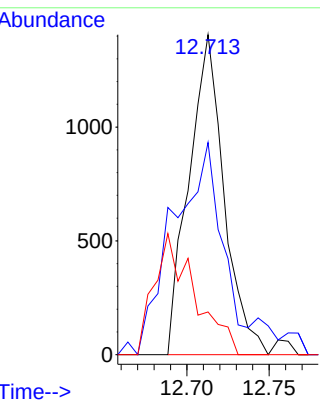
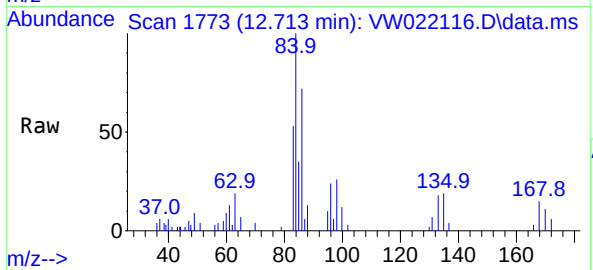
#57
1,1,2,2-Tetrachloroethane
Concen: 1.083 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-02

Tgt Ion:	83	Resp:	2089
Ion Ratio	Lower	Upper	
83	100		
85	66.3	44.2	82.0
131	13.4	9.4	14.0

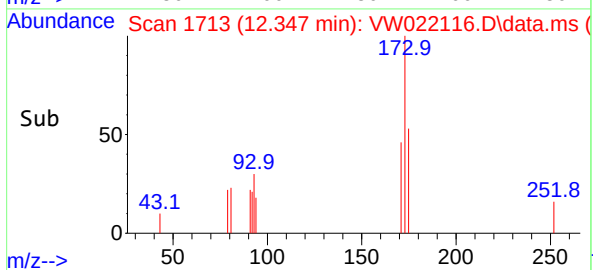
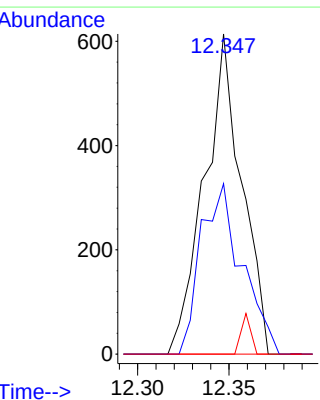
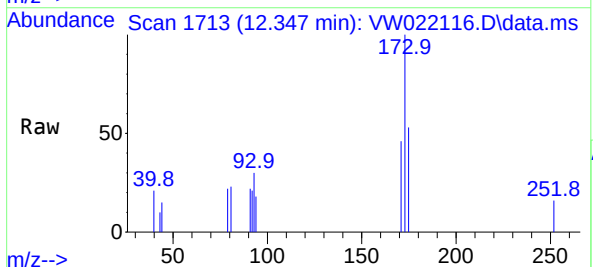
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

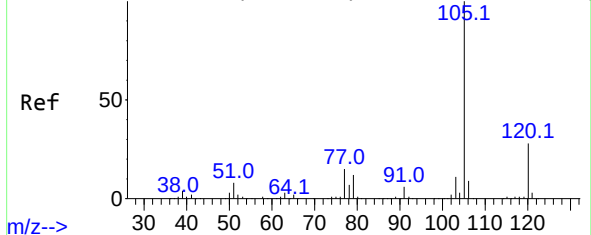


#59
Bromoform
Concen: 0.814 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

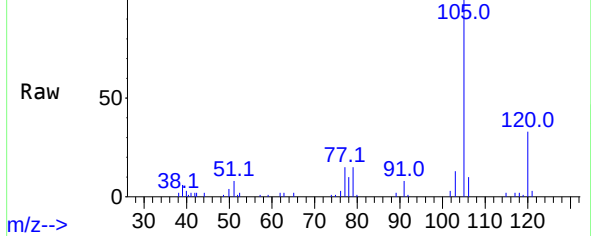
Tgt Ion:	173	Resp:	871
Ion Ratio	Lower	Upper	
173	100		
175	58.6	38.2	57.4#
254	0.0	5.0	7.6#



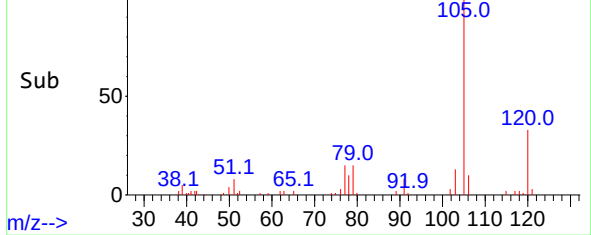
Abundance Scan 1732 (12.463 min): VW022107.D\data.ms (



Abundance Scan 1732 (12.463 min): VW022116.D\data.ms



Abundance Scan 1732 (12.463 min): VW022116.D\data.ms (



#60

Isopropylbenzene

Concen: 0.898 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

Tgt Ion:	105	Resp:	872
Ion Ratio	Lower	Upper	
105	100		
120	30.5	22.1	33.1
77	16.2	12.0	18.0

Instrument :

MSVOA_W

ClientSampleId :

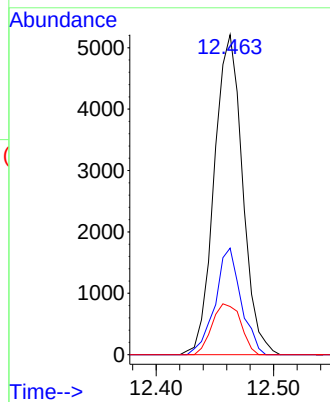
MDL-SOIL-QT1-2022-02

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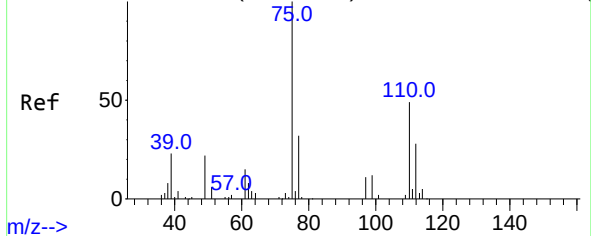
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022

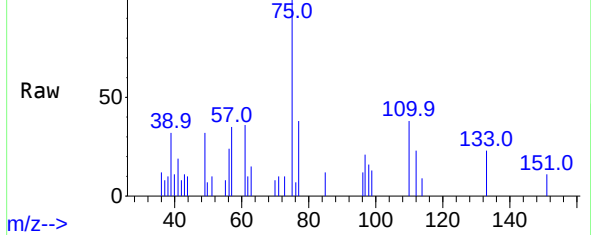
Supervised By :Mahesh Dadoda 02/28/2022



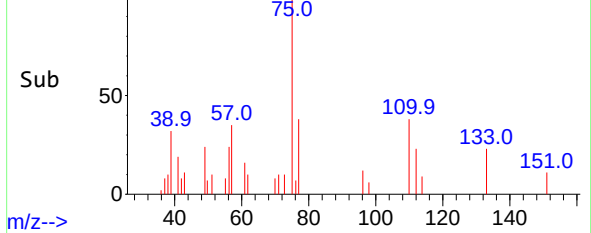
Abundance Scan 1782 (12.768 min): VW022107.D\data.ms (



Abundance Scan 1782 (12.768 min): VW022116.D\data.ms



Abundance Scan 1782 (12.768 min): VW022116.D\data.ms (



#61

1,2,3-Trichloropropane

Concen: 0.994 ug/L

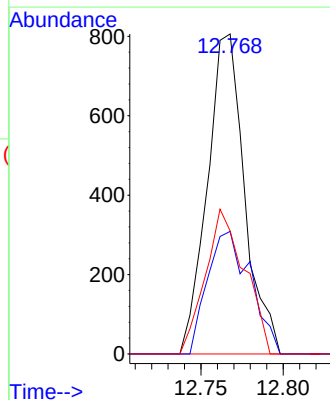
RT: 12.768 min Scan# 1782

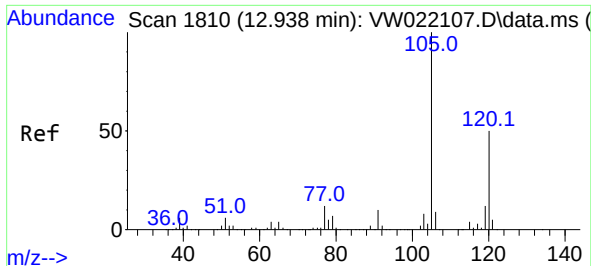
Delta R.T. -0.000 min

Lab File: VW022116.D

Acq: 23 Feb 2022 18:13

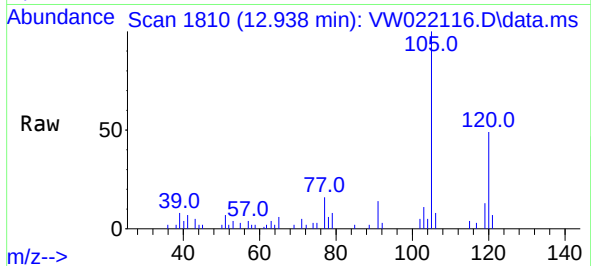
Tgt Ion:	75	Resp:	1270
Ion Ratio	Lower	Upper	
75	100		
77	44.3	27.1	40.7#
110	47.6	36.7	55.1





#62
1,3,5-Trimethylbenzene
Concen: 0.885 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

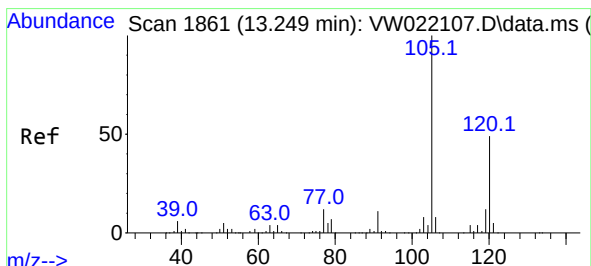
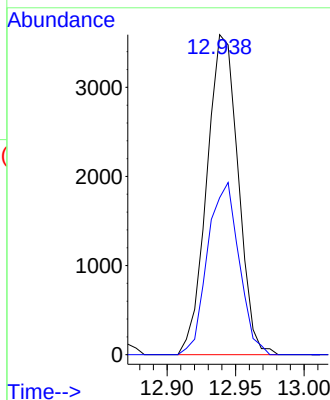
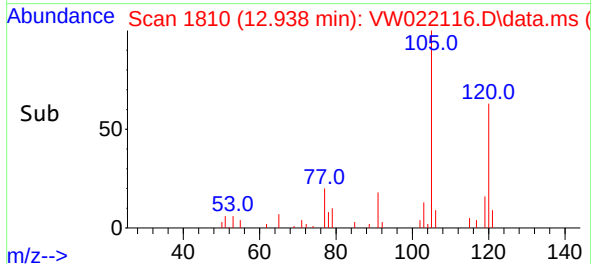
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



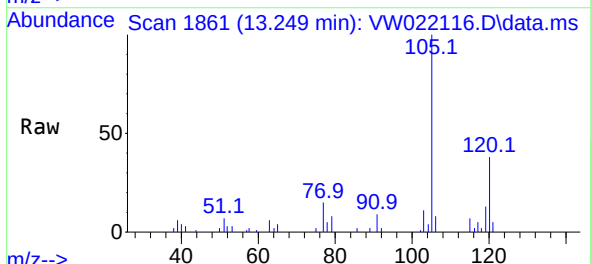
Tgt Ion:105 Resp: 5720
Ion Ratio Lower Upper
105 100
120 54.0 41.5 62.3

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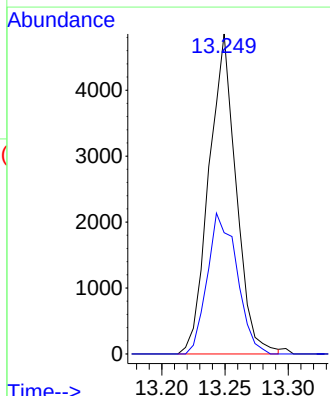
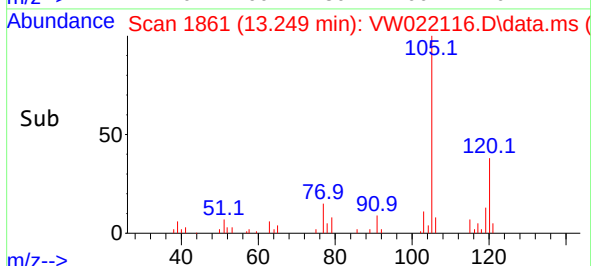
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

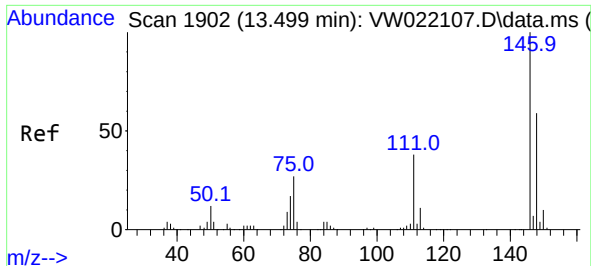


#63
1,2,4-Trimethylbenzene
Concen: 0.918 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



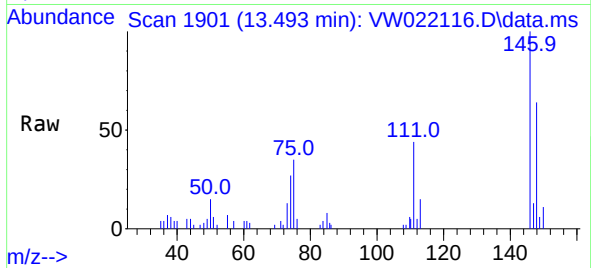
Tgt Ion:105 Resp: 7253
Ion Ratio Lower Upper
105 100
120 47.9 39.2 58.8





#64
1,3-Dichlorobenzene
Concen: 0.990 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

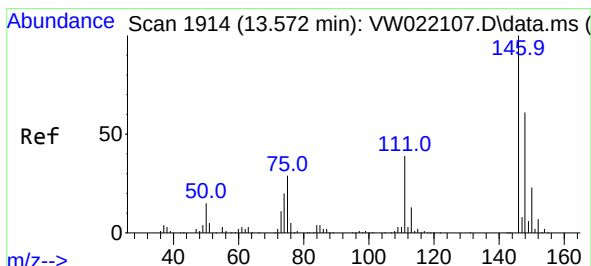
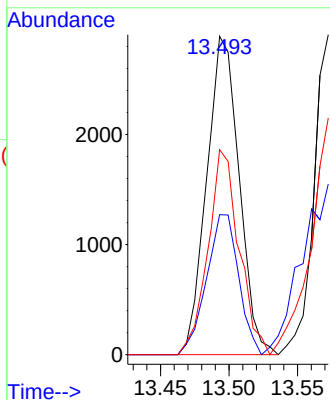
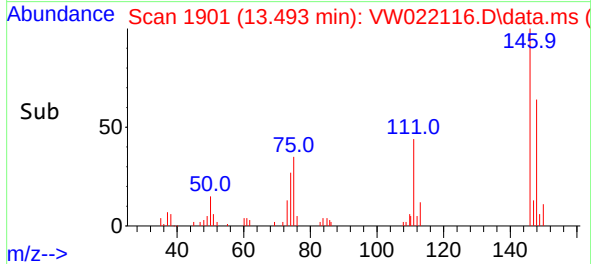
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



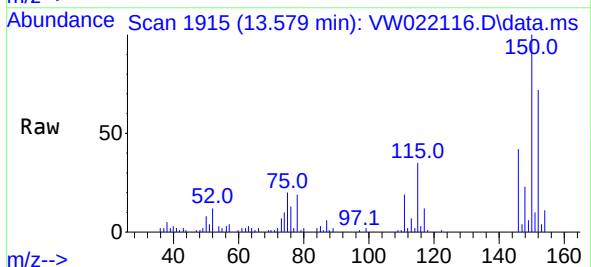
Tgt Ion:146 Resp: 477
Ion Ratio Lower Upper
146 100
111 44.0 26.9 49.9
148 64.4 41.6 77.2

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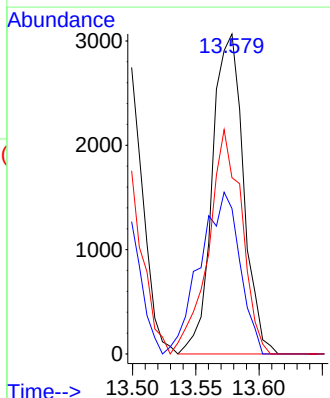
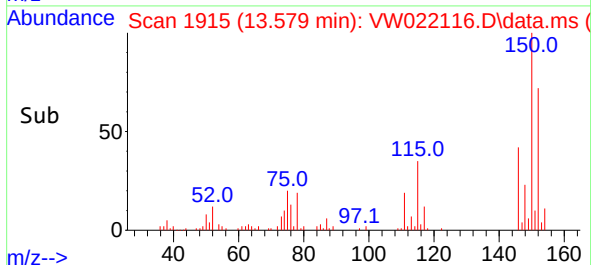
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

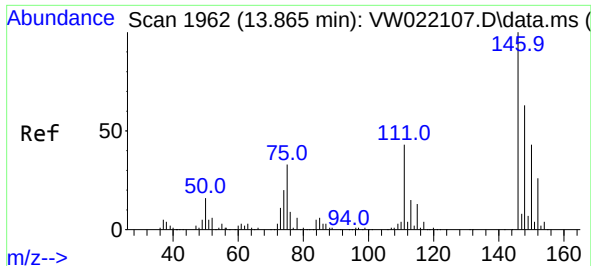


#65
1,4-Dichlorobenzene
Concen: 1.086 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.005 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



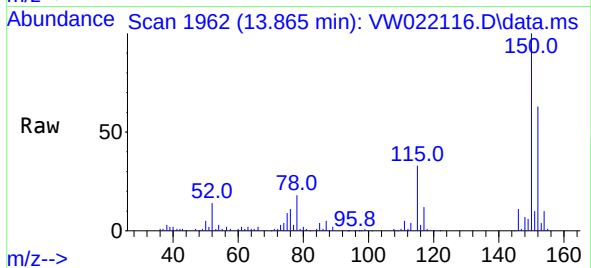
Tgt Ion:146 Resp: 5244
Ion Ratio Lower Upper
146 100
111 45.5 27.5 51.1
148 55.1 42.9 79.7





#67
1,2-Dichlorobenzene
Concen: 1.048 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

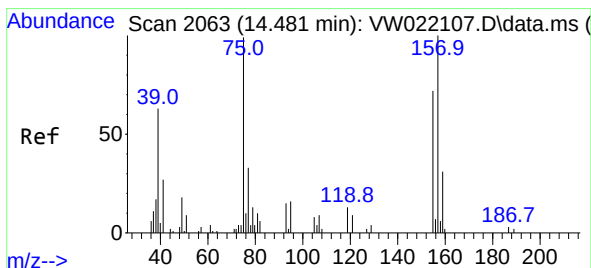
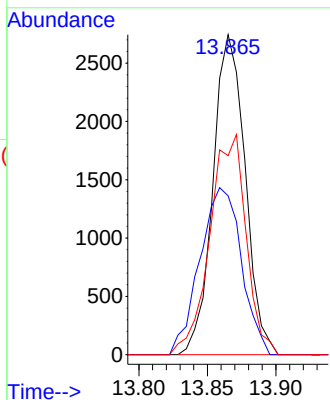
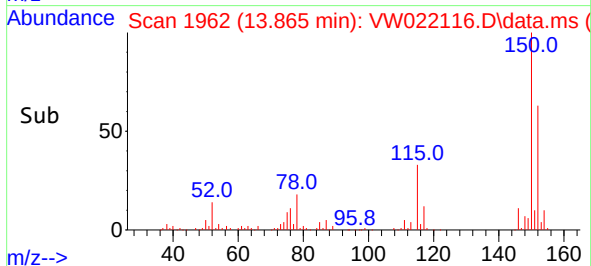
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-02



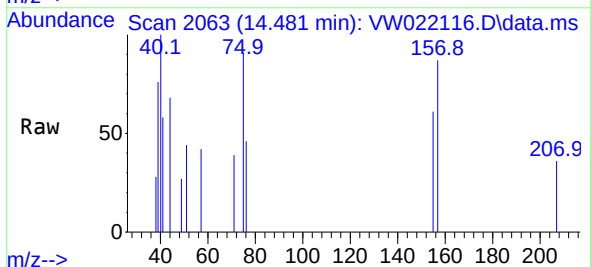
Tgt Ion:146 Resp: 4490
Ion Ratio Lower Upper
146 100
111 49.7 34.8 52.2
148 62.2 50.4 75.6

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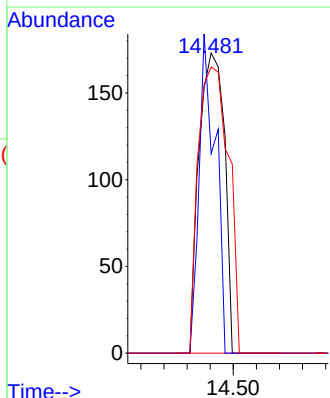
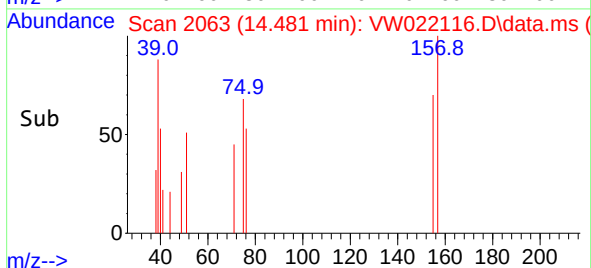
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

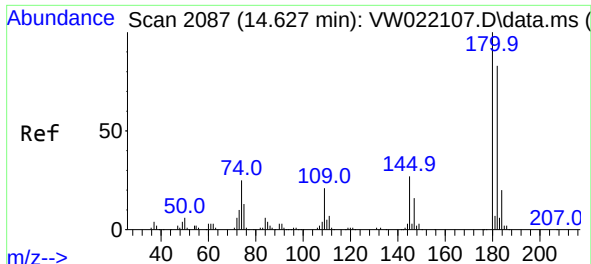


#68
1,2-Dibromo-3-chloropropane
Concen: 0.974 ug/L m
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



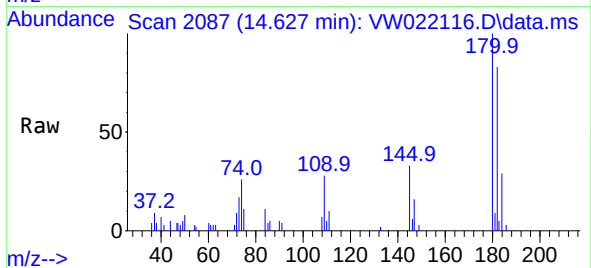
Tgt Ion: 75 Resp: 263
Ion Ratio Lower Upper
75 100
155 66.5 58.2 87.2
157 95.4 80.5 120.7





#69
1,3,5-Trichlorobenzene
Concen: 1.012 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

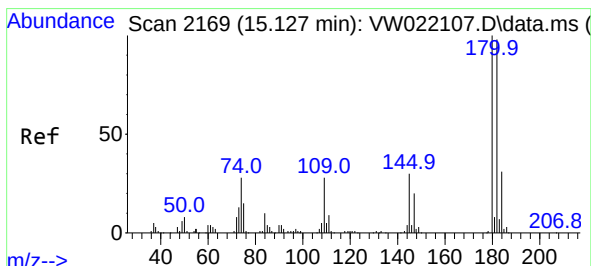
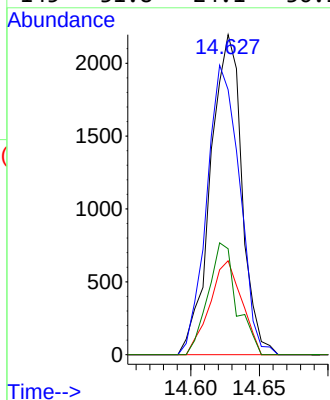
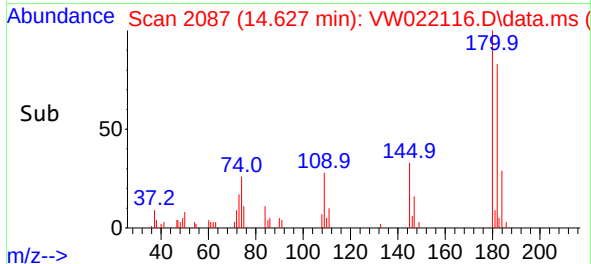
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



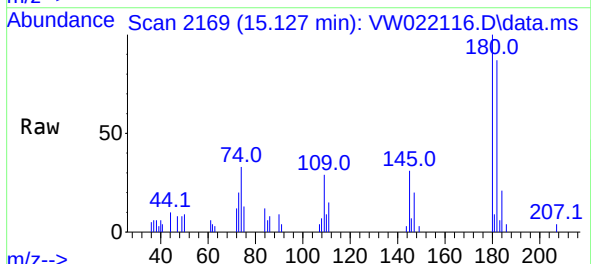
Tgt Ion:180 Resp: 350
Ion Ratio Lower Upper
180 100
182 94.6 69.4 104.0
184 29.8 21.8 32.8
145 31.8 24.1 36.1

Manual Integrations
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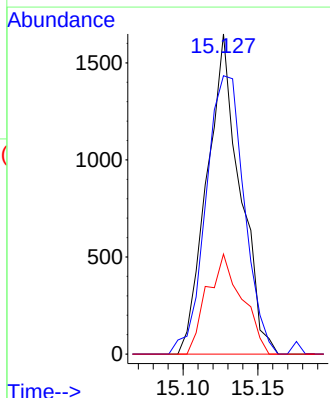
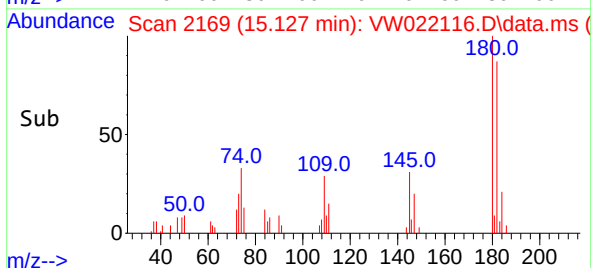
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

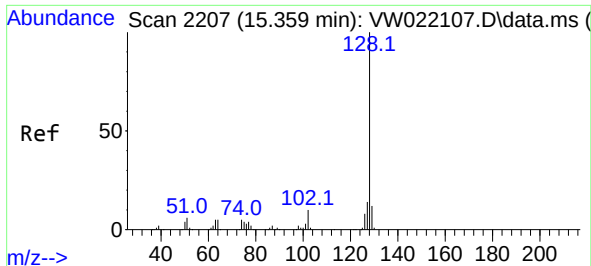


#70
1,2,4-trichlorobenzene
Concen: 0.970 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



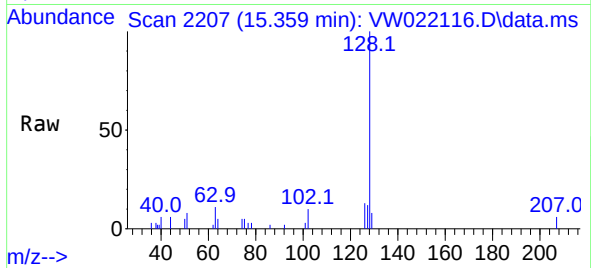
Tgt Ion:180 Resp: 2539
Ion Ratio Lower Upper
180 100
182 100.5 77.8 116.6
145 32.9 25.8 38.6





#71
Naphthalene
Concen: 0.828 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13

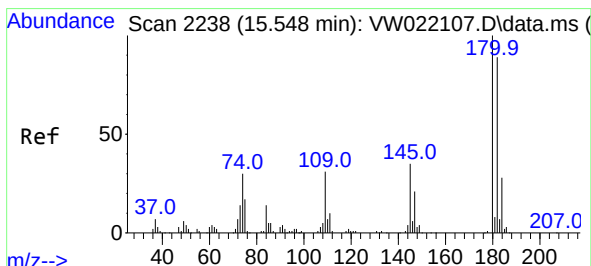
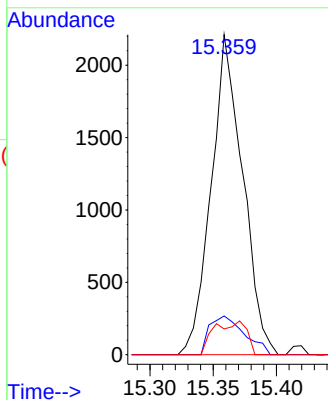
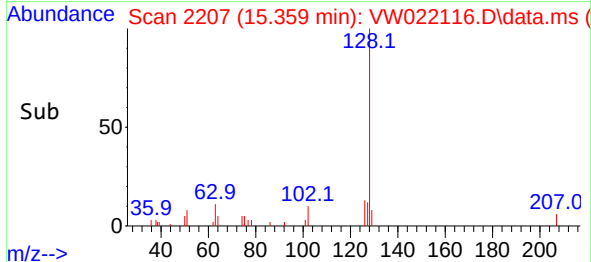
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-02



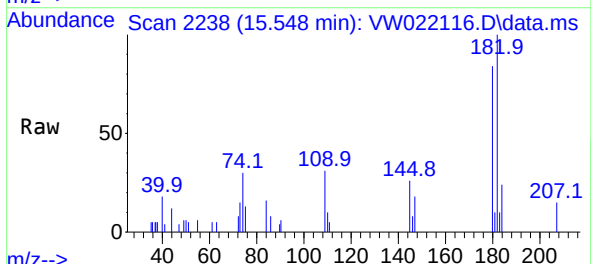
Tgt Ion:	128	Resp:	3829
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.6
129	5.1	8.9	13.3

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#72
1,2,3-Trichlorobenzene
Concen: 1.008 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VW022116.D
Acq: 23 Feb 2022 18:13



Tgt Ion:	180	Resp:	2283
Ion Ratio	Lower	Upper	
180	100		
182	91.2	79.0	118.4
145	32.7	28.0	42.0

