

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027567.D
 Acq On : 06 Dec 2023 14:38
 Operator : SY/MD
 Sample : 04696-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 15 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 07 07:15:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	310152	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	277475	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	128111	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	131821	21.121	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.480%
7) Chloroethane-d5	2.899	69	100260	22.159	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.640%
11) 1,1-Dichloroethene-d2	4.027	65	59894	22.679	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.720%
21) 2-Butanone-d5	7.075	46	58272	35.630	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.260%
24) Chloroform-d	7.648	84	212307	22.933	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.720%
26) 1,2-Dichloroethane-d4	8.307	65	105301	22.243	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.960%
32) Benzene-d6	8.276	84	454162	23.239	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.960%
36) 1,2-Dichloropropane-d6	9.276	67	134500	23.345	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.400%
41) Toluene-d8	10.325	98	399317	23.353	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	10.581	79	46696	20.959	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.840%
47) 2-Hexanone-d5	10.922	63	39631	36.919	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.840%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	95483	20.149	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.600%
66) 1,2-Dichlorobenzene-d4	13.849	152	110797	24.672	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	5105m	1.229	ug/L	
3) Chloromethane	2.223	50	5611	1.103	ug/L	100
5) Vinyl chloride	2.375	62	6930m	1.168	ug/L	
6) Bromomethane	2.796	94	3579	1.150	ug/L	97
8) Chloroethane	2.930	64	4413m	1.302	ug/L	
9) Trichlorofluoromethane	3.283	101	5268	0.927	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	7051m	1.455	ug/L	
12) 1,1-Dichloroethene	4.045	96	5900	1.334	ug/L	# 1
13) Acetone	4.119	43	5271m	3.343	ug/L	
14) Carbon disulfide	4.387	76	15386	1.151	ug/L	97
15) Methyl Acetate	4.692	43	3036m	1.102	ug/L	
16) Methylene chloride	4.923	84	10214	2.020	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	4829	1.059	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	6817	0.926	ug/L	# 68
19) 1,1-Dichloroethane	6.228	63	8969	0.967	ug/L	# 90
20) cis-1,2-Dichloroethene	7.179	96	4575	0.934	ug/L	77
22) 2-Butanone	7.185	43	6285m	3.090	ug/L	
23) Bromochloromethane	7.508	128	1962	1.018	ug/L	76
25) Chloroform	7.679	83	9497	1.128	ug/L	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.411	62	5550m	1.019	ug/L	
29) Cyclohexane	7.953	56	9260	1.015	ug/L	96
30) 1,1,1-Trichloroethane	7.880	97	7706	0.996	ug/L	98
31) Carbon tetrachloride	8.081	117	6666m	0.987	ug/L	
33) Benzene	8.331	78	18388	0.960	ug/L	100
34) Trichloroethene	9.099	95	5320	1.017	ug/L	95
35) Methylcyclohexane	9.337	83	9155	0.983	ug/L	94
37) 1,2-Dichloropropane	9.368	63	5074	1.003	ug/L #	93
38) Bromodichloromethane	9.642	83	5563	0.952	ug/L #	98
39) cis-1,3-Dichloropropene	10.075	75	6295	0.862	ug/L	90
40) 4-Methyl-2-pentanone	10.209	43	4823	1.411	ug/L #	89
42) Toluene	10.386	91	20286	1.002	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	6276m	1.066	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	3361	0.954	ug/L	95
46) Tetrachloroethene	10.861	164	3931	1.054	ug/L	88
48) 2-Hexanone	10.965	43	4206m	1.746	ug/L	
49) Dibromochloromethane	11.123	129	3131	0.900	ug/L	100
50) 1,2-Dibromoethane	11.233	107	3092	0.960	ug/L #	82
51) Chlorobenzene	11.660	112	11835	0.968	ug/L	94
52) Ethylbenzene	11.727	91	21427	0.931	ug/L	94
53) m,p-Xylene	11.837	106	7973	0.940	ug/L	100
54) o-Xylene	12.166	106	6660	0.864	ug/L	97
55) Styrene	12.178	104	11171	0.849	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.715	83	4431	0.967	ug/L #	94
59) Bromoform	12.349	173	1800	1.003	ug/L	88
60) Isopropylbenzene	12.459	105	20185	0.954	ug/L #	94
61) 1,2,3-Trichloropropane	12.763	75	2959	0.958	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	14047	0.898	ug/L	94
63) 1,2,4-Trimethylbenzene	13.245	105	14496	0.930	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	7909	0.976	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	8897	1.101	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	7099	0.973	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	14.476	75	704m	0.947	ug/L	
69) 1,3,5-Trichlorobenzene	14.629	180	5443	0.999	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	4559	1.078	ug/L	91
71) Naphthalene	15.360	128	7799	0.876	ug/L #	77
72) 1,2,3-Trichlorobenzene	15.549	180	3501	0.966	ug/L	97

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

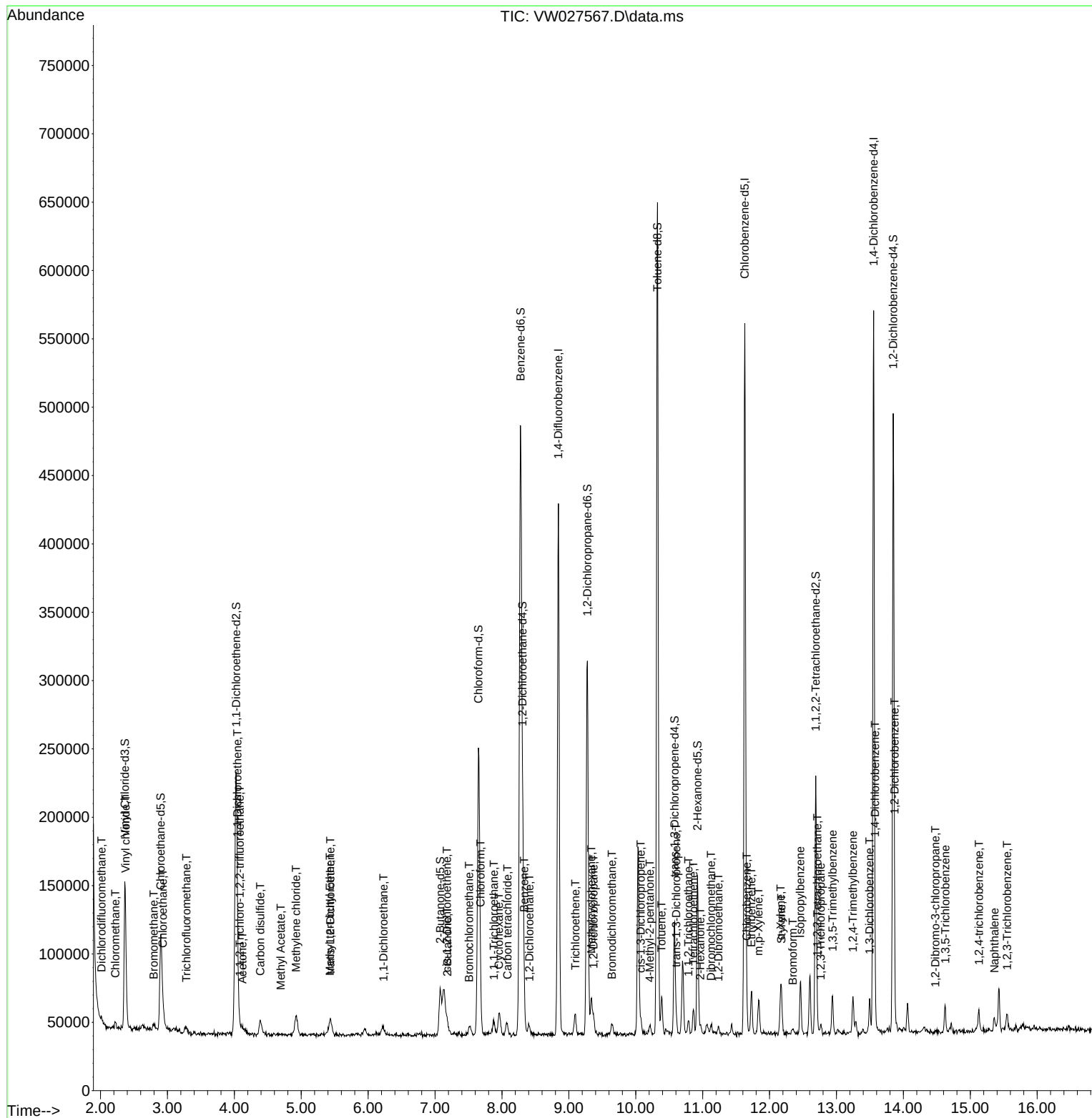
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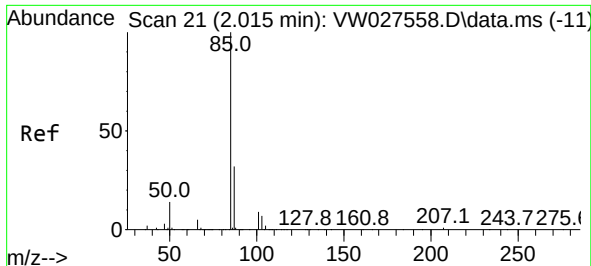
Instrument :
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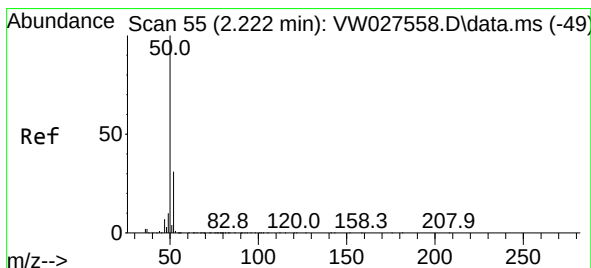
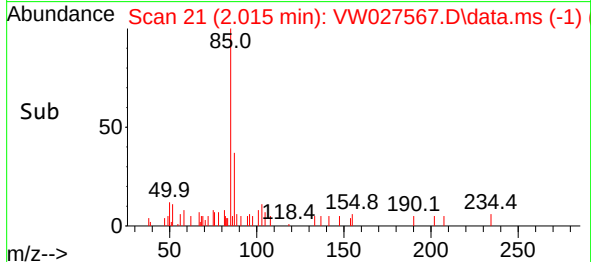
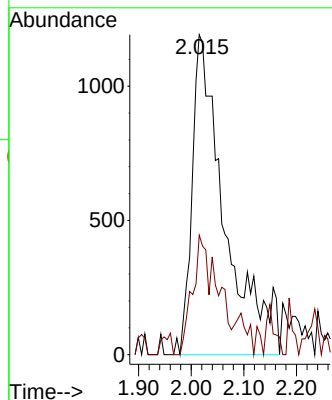
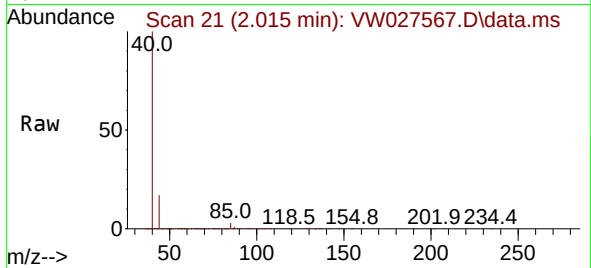
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Dichlorodifluoromethane
Concen: 1.229 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

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

Tgt Ion: 85 Resp: 510
Ion Ratio Lower Upper
85 100
87 11.9 24.0 36.0

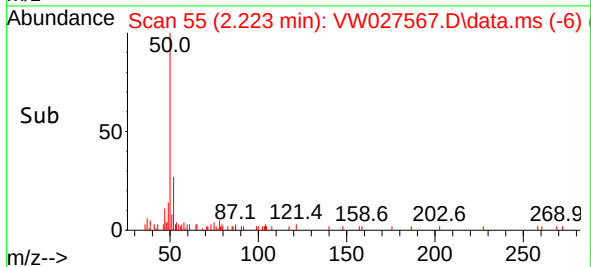
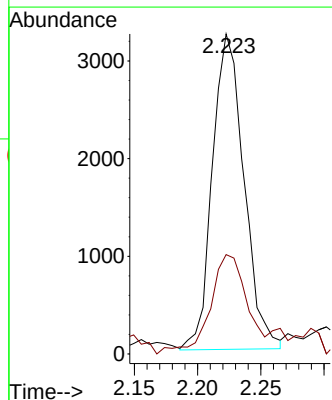
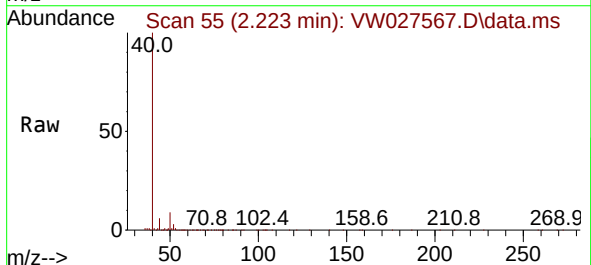
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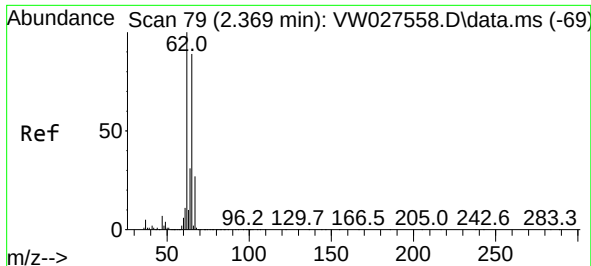
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#3
Chloromethane
Concen: 1.103 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

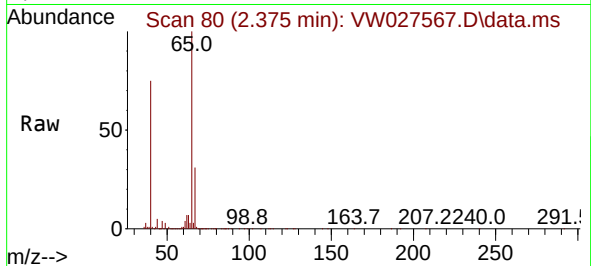
Tgt Ion: 50 Resp: 5611
Ion Ratio Lower Upper
50 100
52 31.0 21.8 40.6





#5
 Vinyl chloride
 Concen: 1.168 ug/L m
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW027567.D
 Acq: 06 Dec 2023 14:38

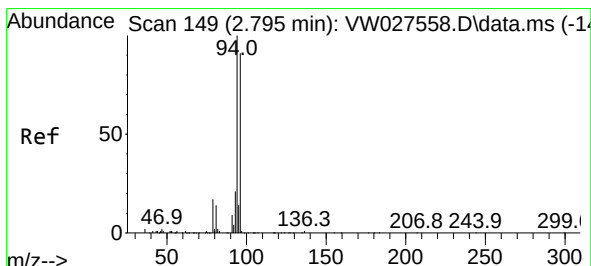
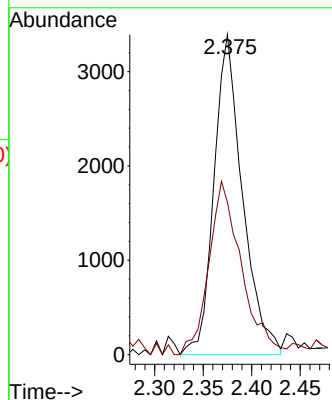
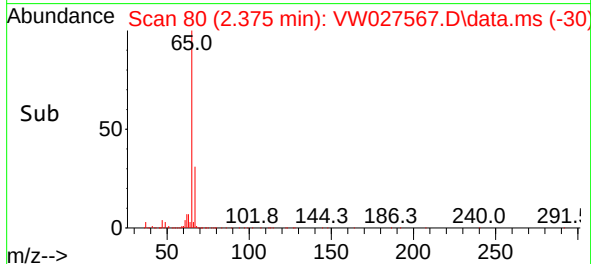
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT4-2023-08



Tgt Ion: 62 Resp: 6930
 Ion Ratio Lower Upper
 62 100
 64 47.7 22.2 41.2

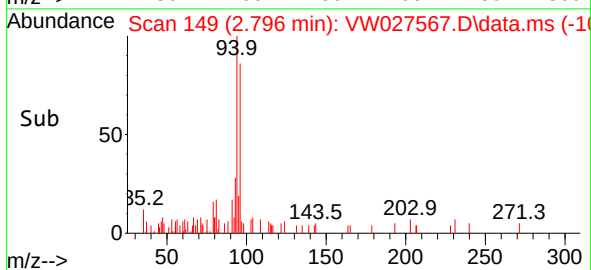
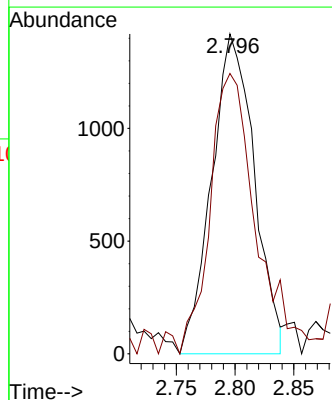
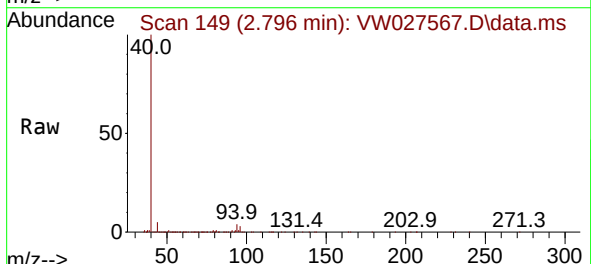
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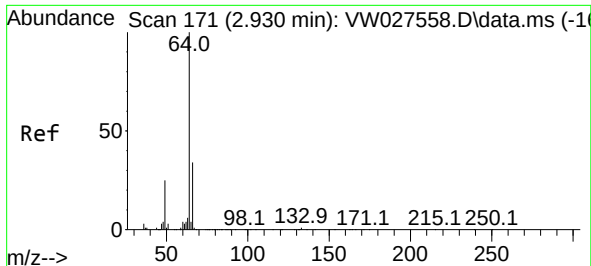
Reviewed By :Semsettin Yesilyurt 12/11/2023
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#6
 Bromomethane
 Concen: 1.150 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027567.D
 Acq: 06 Dec 2023 14:38

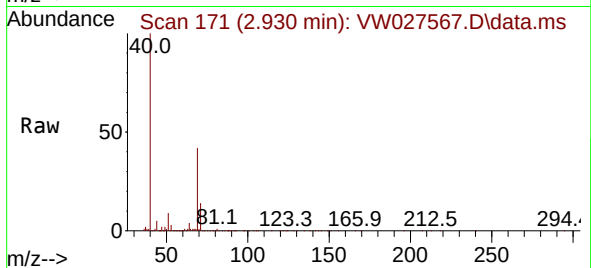
Tgt Ion: 94 Resp: 3579
 Ion Ratio Lower Upper
 94 100
 96 87.7 63.3 117.7





#8
Chloroethane
Concen: 1.302 ug/L m
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

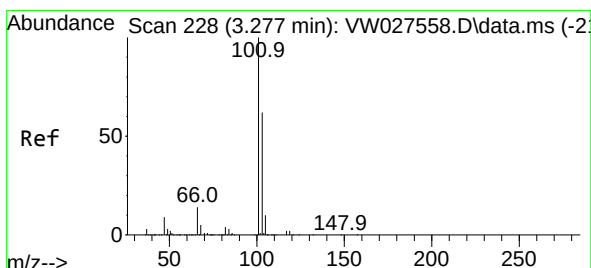
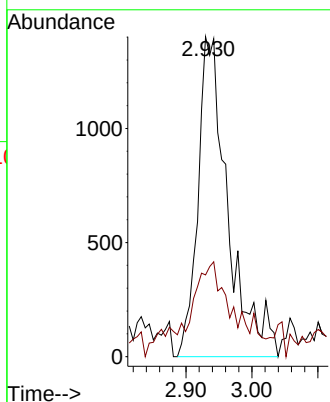
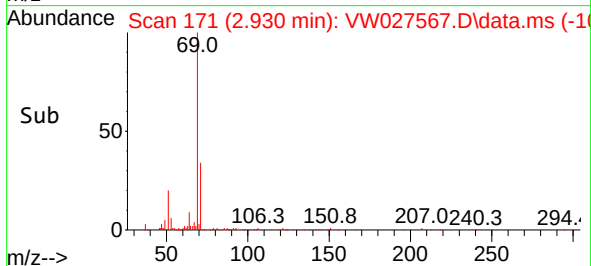
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 64 Resp: 441
Ion Ratio Lower Upper
64 100
66 25.5 24.1 44.7

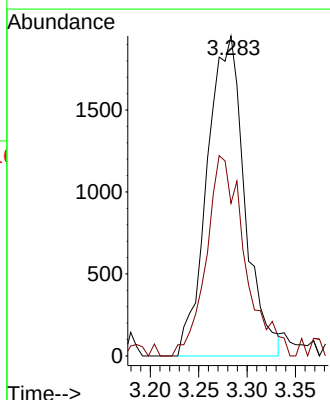
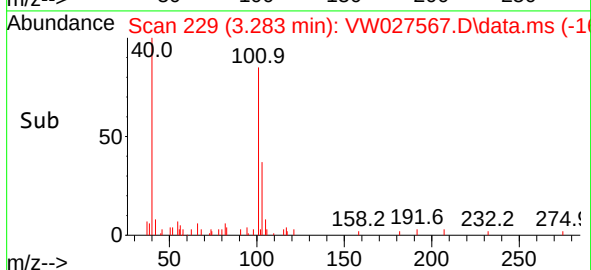
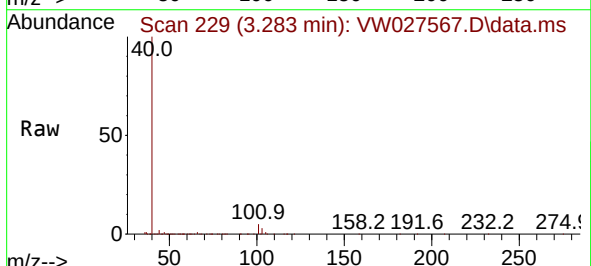
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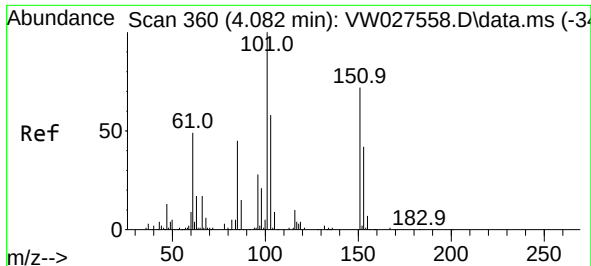
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#9
Trichlorofluoromethane
Concen: 0.927 ug/L
RT: 3.283 min Scan# 229
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

Tgt Ion:101 Resp: 5268
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0





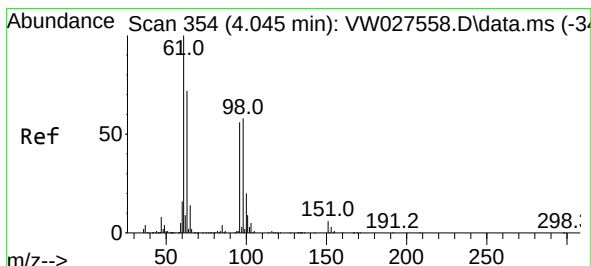
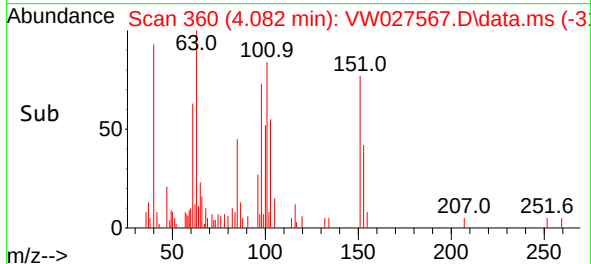
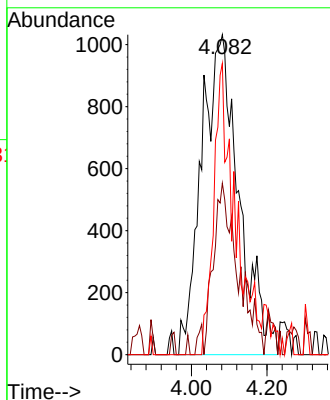
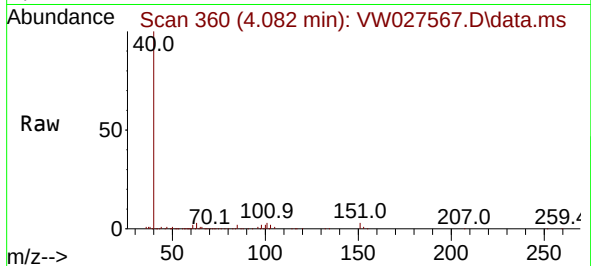
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.455 ug/L m
RT: 4.082 min Scan# 360
Delta R.T. 0.000 min
Lab File: VW027567.D
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Tgt Ion: 101 Resp: 705
Ion Ratio Lower Upper
101 100
85 2.2 33.9 50.9
151 3.8 54.6 81.8

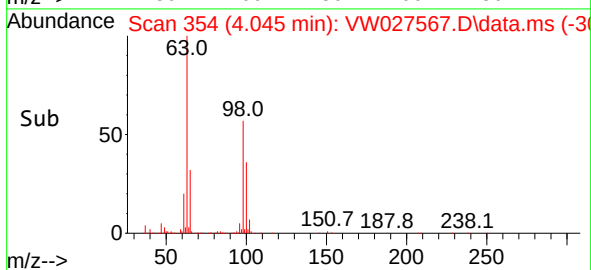
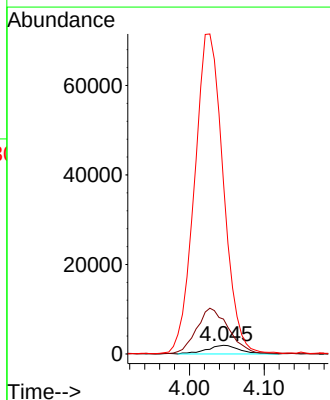
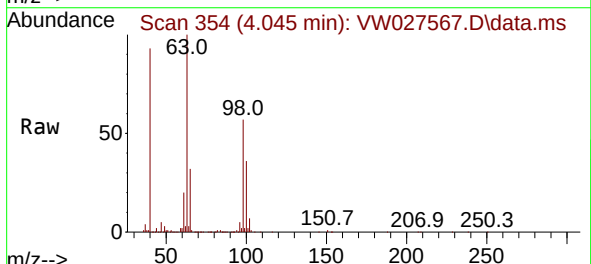
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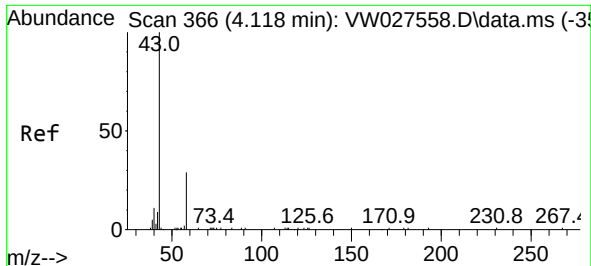
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#12
1,1-Dichloroethene
Concen: 1.334 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

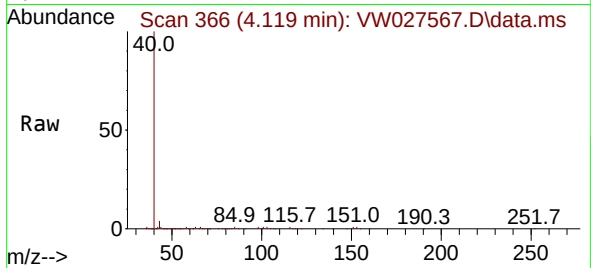
Tgt Ion: 96 Resp: 5900
Ion Ratio Lower Upper
96 100
61 406.8 127.8 237.4#
63 1996.7 104.9 194.7#





#13
Acetone
Concen: 3.343 ug/L m
RT: 4.119 min Scan# 30
Delta R.T. 0.000 min
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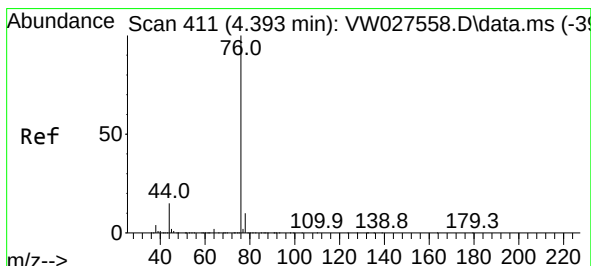
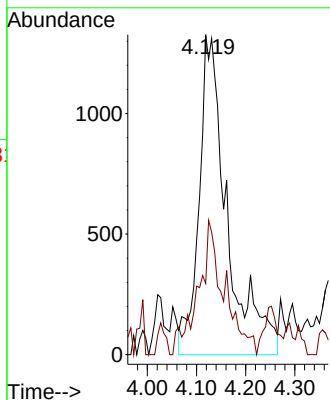
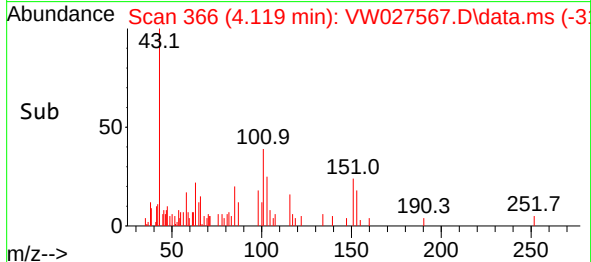
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Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 10.2 0.0 60.0

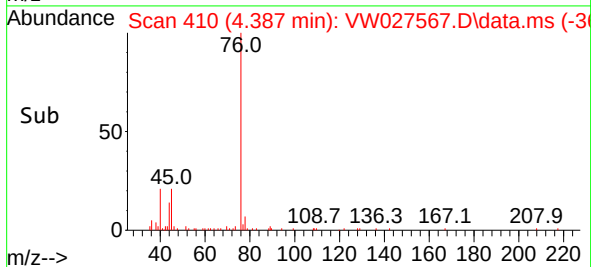
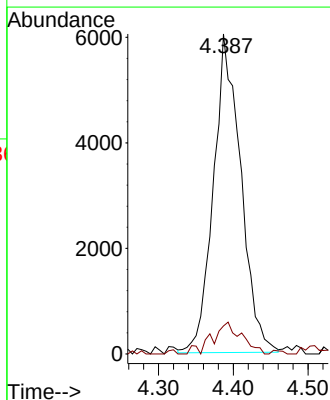
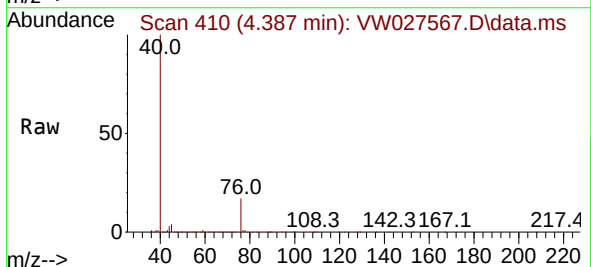
Manual Integrations
APPROVED

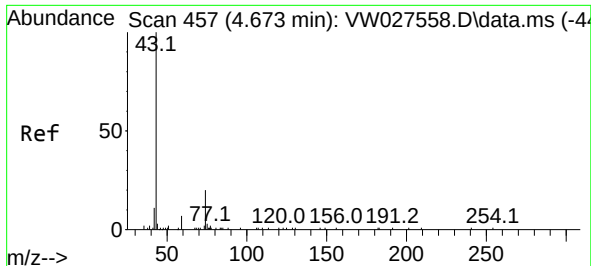
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#14
Carbon disulfide
Concen: 1.151 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

Tgt Ion: 76 Resp: 15386
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6





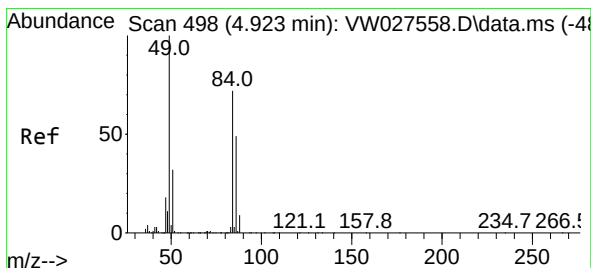
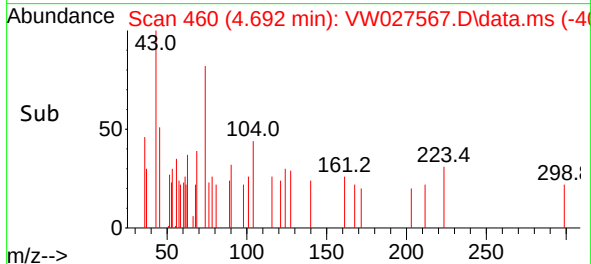
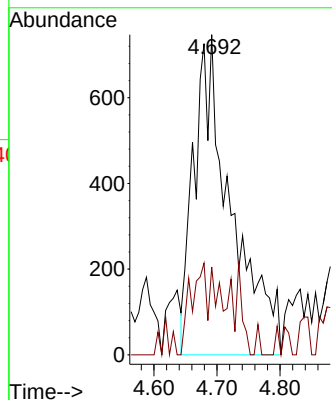
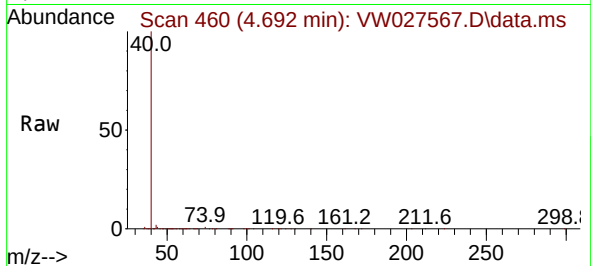
#15
Methyl Acetate
Concen: 1.102 ug/L m
RT: 4.692 min Scan# 4
Delta R.T. 0.018 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

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

Tgt Ion: 43 Resp: 303
Ion Ratio Lower Upper
43 100
74 7.8 16.8 25.2

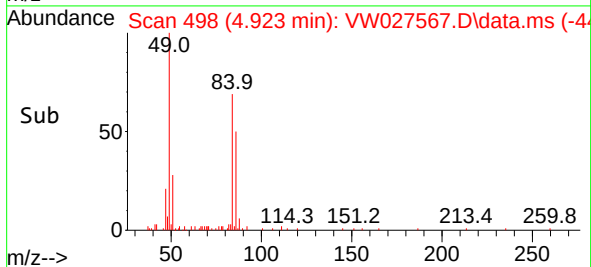
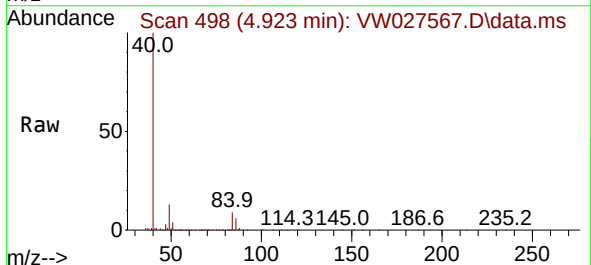
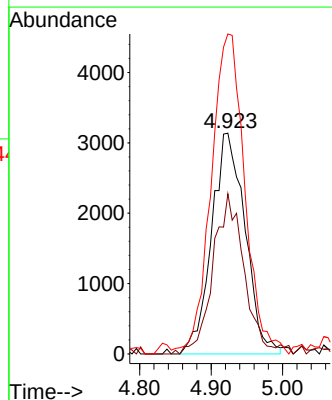
Manual Integrations
APPROVED

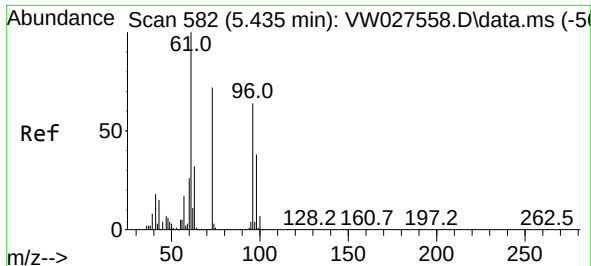
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#16
Methylene chloride
Concen: 2.020 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

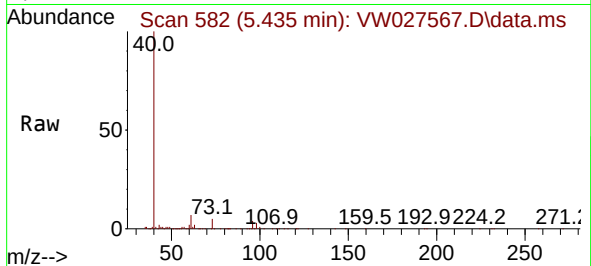
Tgt Ion: 84 Resp: 10214
Ion Ratio Lower Upper
84 100
86 72.6 47.7 88.7
49 144.9 97.4 181.0





#17
trans-1,2-Dichloroethene
Concen: 1.059 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

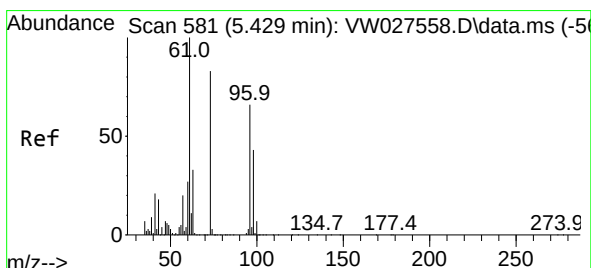
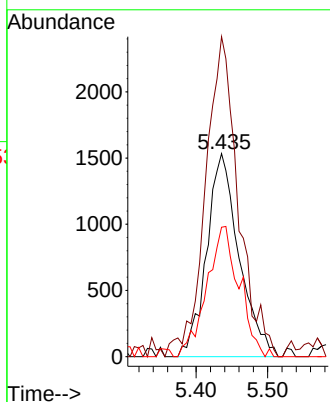
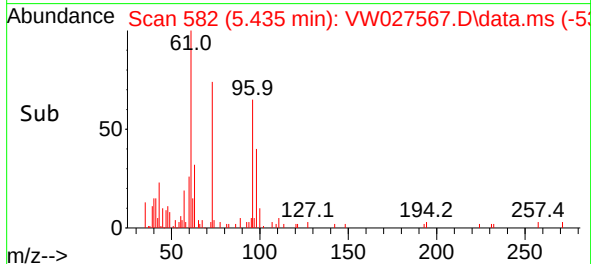
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



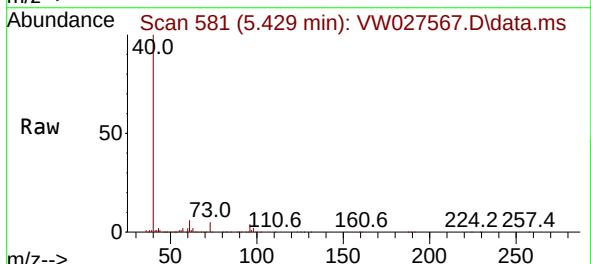
Tgt Ion: 96 Resp: 4829
Ion Ratio Lower Upper
96 100
61 157.7 109.6 203.6
98 63.7 41.9 77.7

Manual Integrations
APPROVED

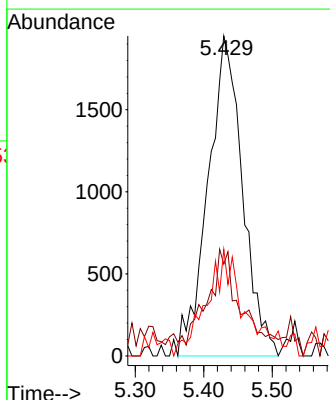
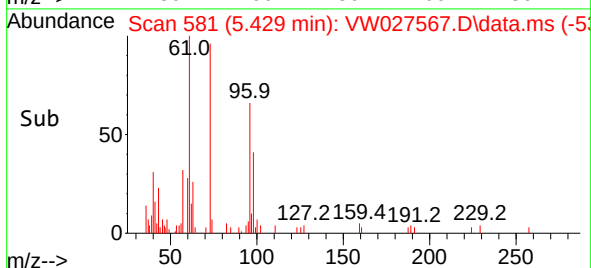
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

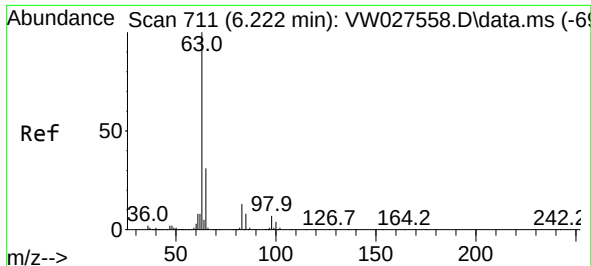


#18
Methyl tert-butyl Ether
Concen: 0.926 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



Tgt Ion: 73 Resp: 6817
Ion Ratio Lower Upper
73 100
43 11.9 17.8 26.6#
57 4.6 19.9 29.9#





#19

1,1-Dichloroethane

Concen: 0.967 ug/L

RT: 6.228 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW027567.D

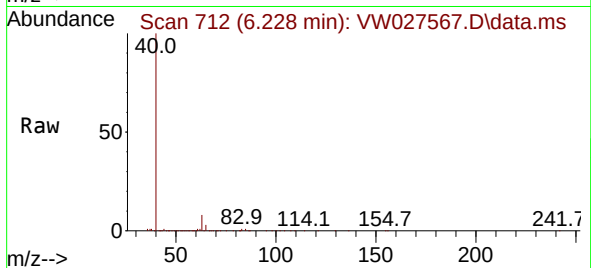
Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

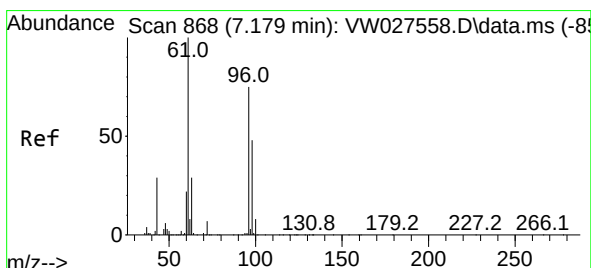
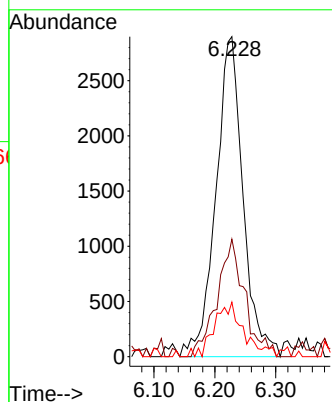
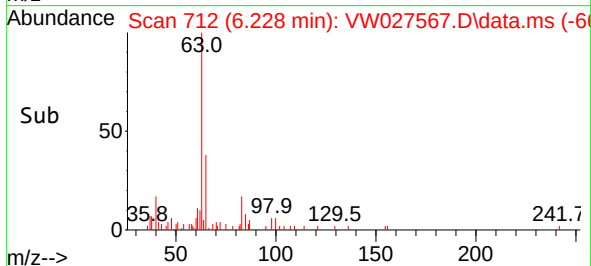


Tgt Ion:	63	Resp:	896
Ion Ratio	Lower	Upper	
63	100		
65	36.7	22.0	40.8
83	17.0	9.0	16.8

Manual Integrations

APPROVED

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



#20

cis-1,2-Dichloroethene

Concen: 0.934 ug/L

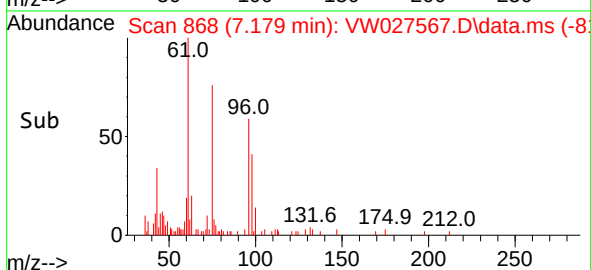
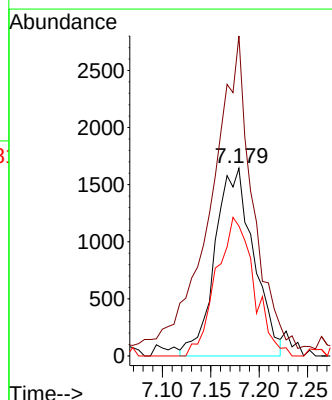
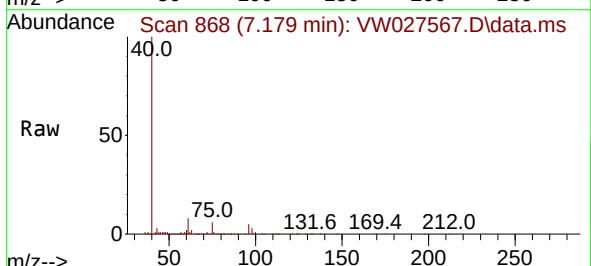
RT: 7.179 min Scan# 868

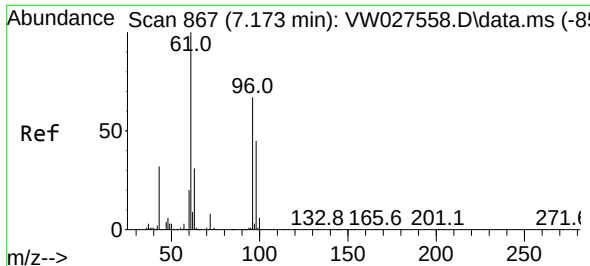
Delta R.T. 0.000 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

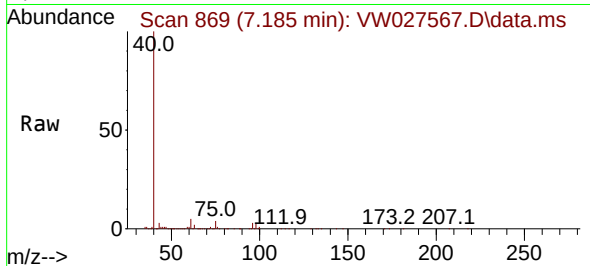
Tgt Ion:	96	Resp:	4575
Ion Ratio	Lower	Upper	
96	100		
61	170.5	94.0	174.6
98	69.3	45.1	83.7





#22
2-Butanone
Concen: 3.090 ug/L m
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

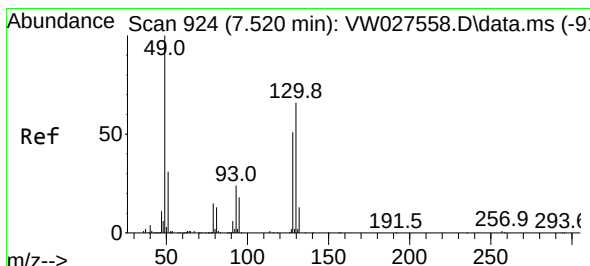
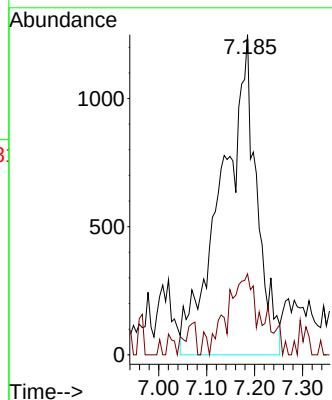
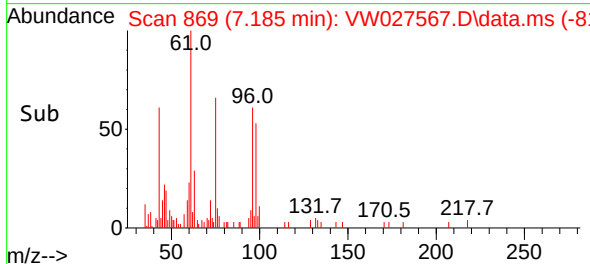
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



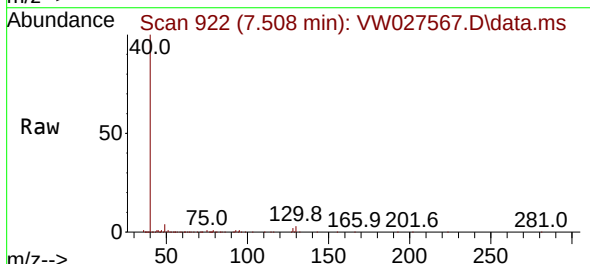
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
72 3.8 11.9 35.9

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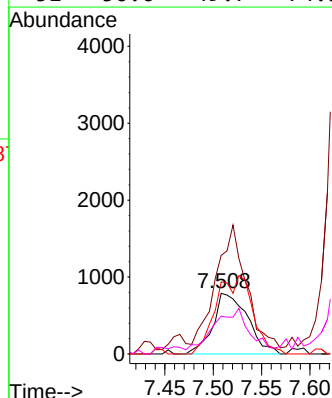
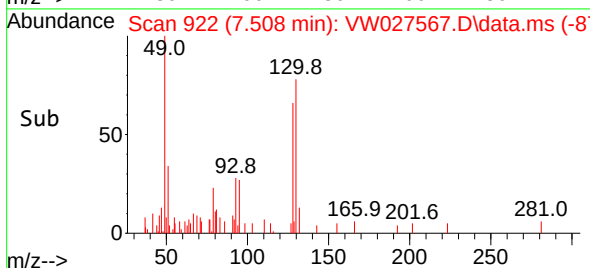
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

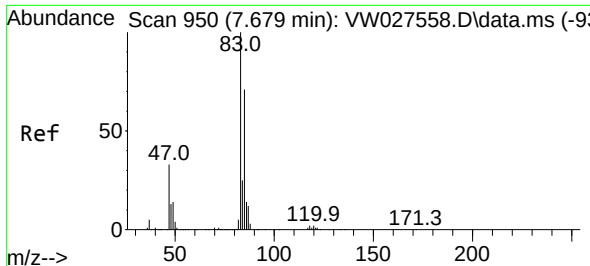


#23
Bromochloromethane
Concen: 1.018 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.012 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



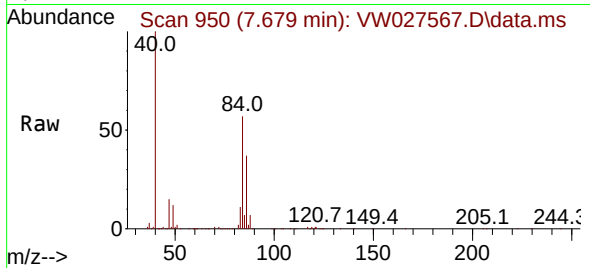
Tgt Ion:128 Resp: 1962
Ion Ratio Lower Upper
128 100
49 148.2 137.8 256.0
130 108.2 91.2 169.4
51 56.6 49.7 74.5





#25
Chloroform
Concen: 1.128 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

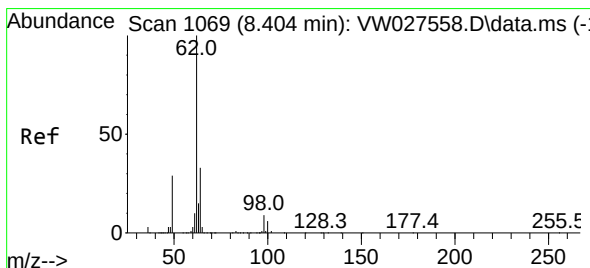
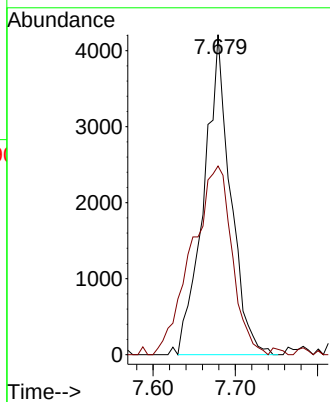
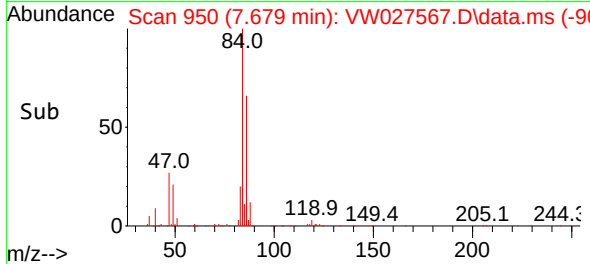
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



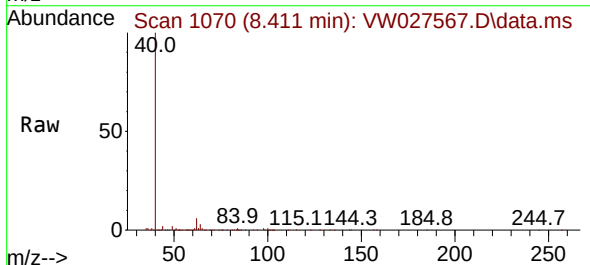
Tgt Ion: 83 Resp: 949
Ion Ratio Lower Upper
83 100
85 59.0 49.8 92.6

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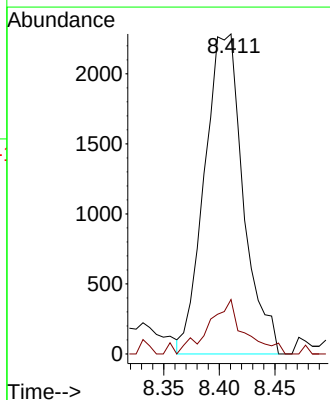
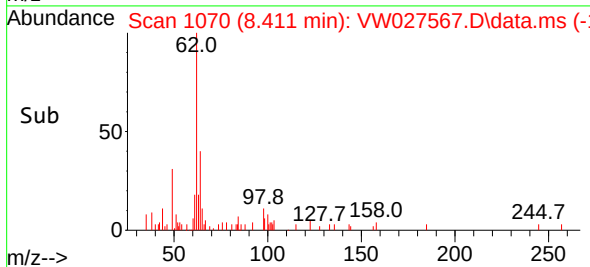
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

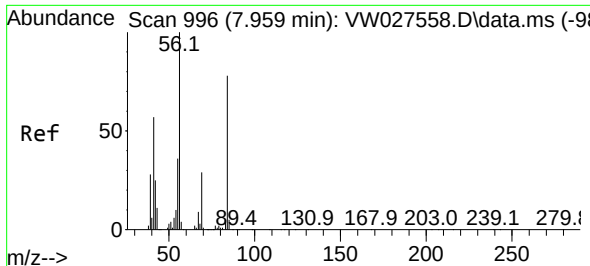


#27
1,2-Dichloroethane
Concen: 1.019 ug/L m
RT: 8.411 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



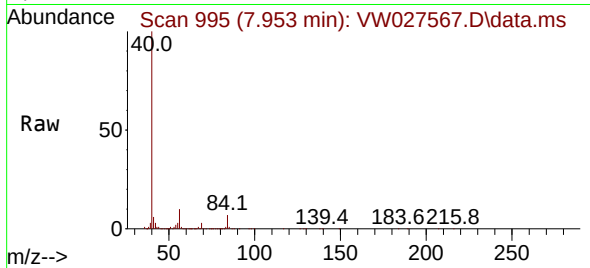
Tgt Ion: 62 Resp: 5550
Ion Ratio Lower Upper
62 100
98 10.5 7.4 11.0





#29
Cyclohexane
Concen: 1.015 ug/L
RT: 7.953 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

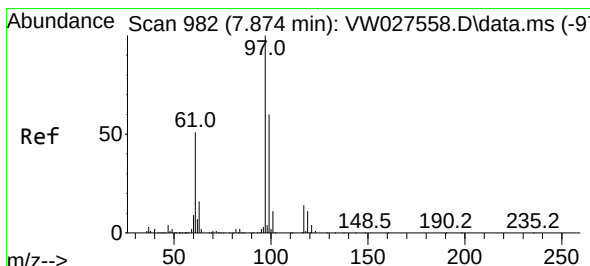
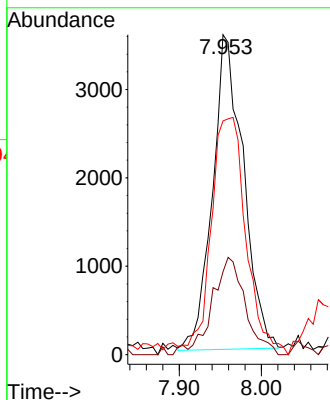
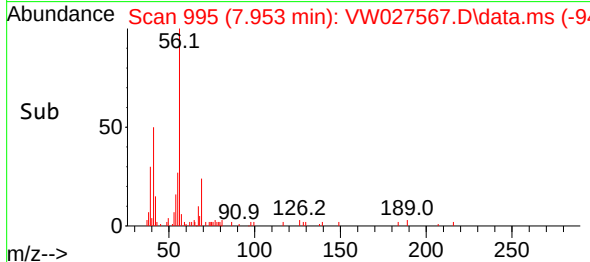
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



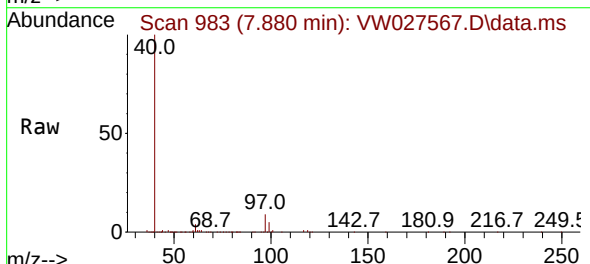
Tgt Ion: 56 Resp: 9260
Ion Ratio Lower Upper
56 100
69 32.5 24.1 36.1
84 84.4 65.0 97.4

Manual Integrations
APPROVED

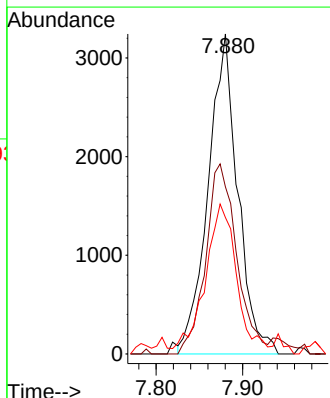
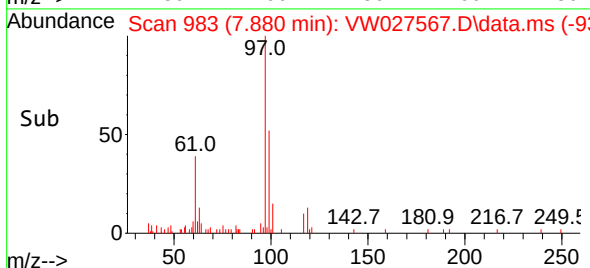
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

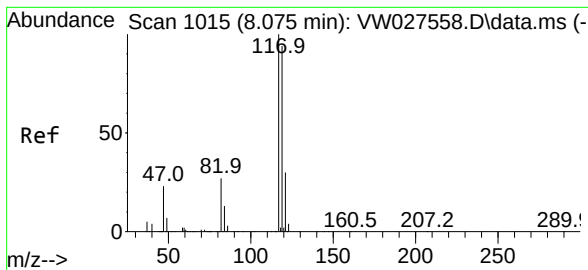


#30
1,1,1-Trichloroethane
Concen: 0.996 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



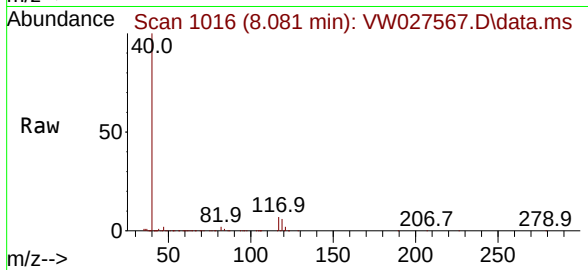
Tgt Ion: 97 Resp: 7706
Ion Ratio Lower Upper
97 100
99 62.3 50.5 75.7
61 46.2 39.0 58.4





#31
Carbon tetrachloride
Concen: 0.987 ug/L m
RT: 8.081 min Scan# 1016
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

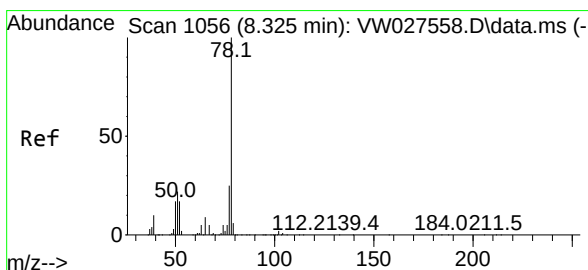
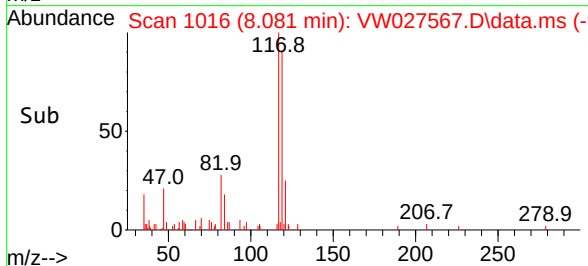
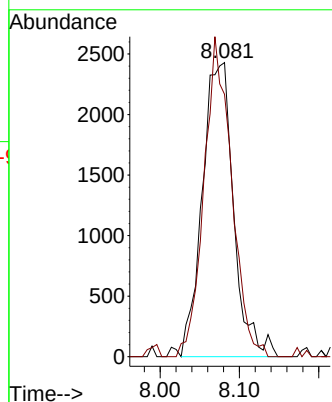
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion:117 Resp: 666
Ion Ratio Lower Upper
117 100
119 95.2 77.0 115.6

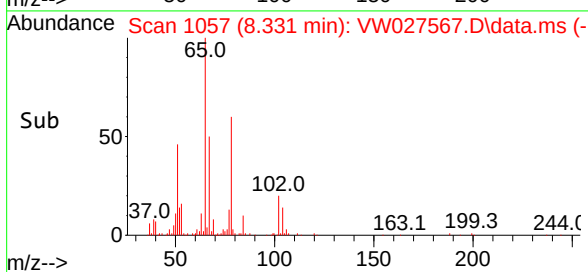
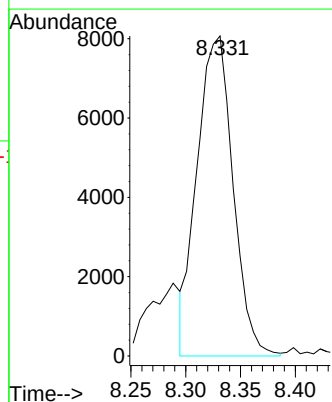
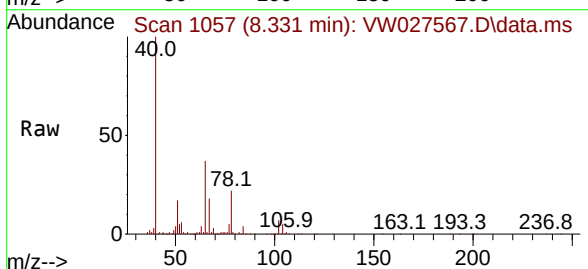
Manual Integrations
APPROVED

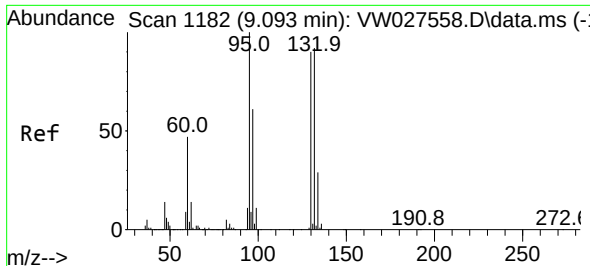
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#33
Benzene
Concen: 0.960 ug/L
RT: 8.331 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

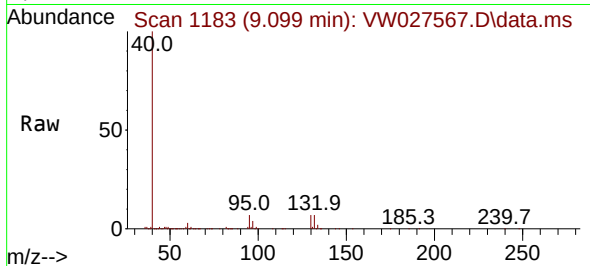
Tgt Ion: 78 Resp: 18388





#34
Trichloroethene
Concen: 1.017 ug/L
RT: 9.099 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

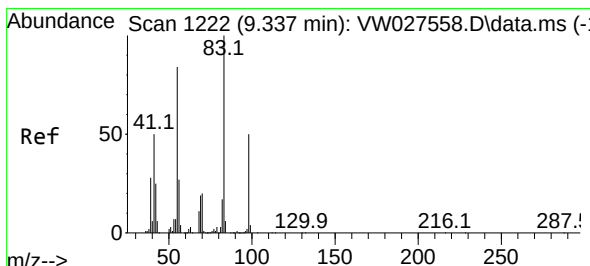
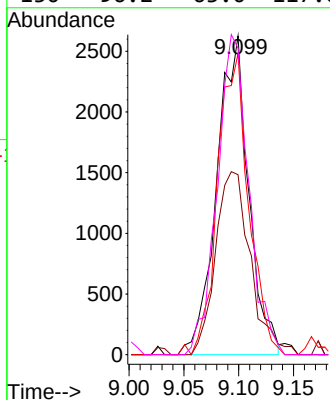
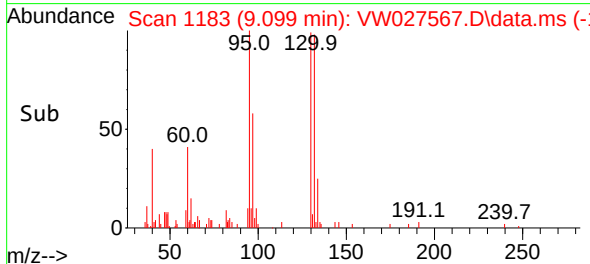
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 95 Resp: 5320
Ion Ratio Lower Upper
95 100
97 56.5 43.0 80.0
132 94.5 64.1 119.1
130 96.2 63.0 117.0

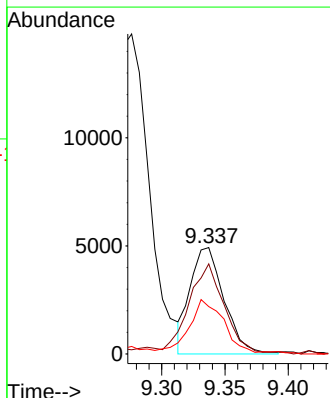
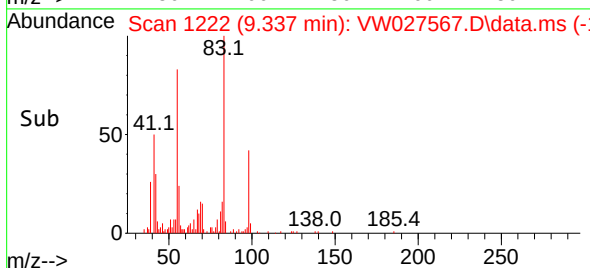
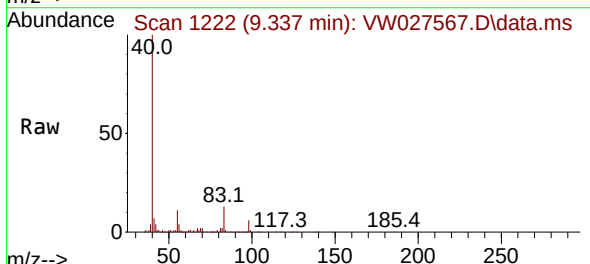
Manual Integrations
APPROVED

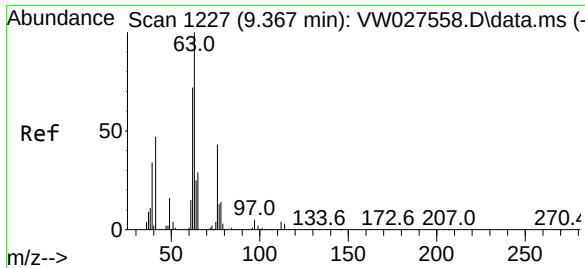
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#35
Methylcyclohexane
Concen: 0.983 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

Tgt Ion: 83 Resp: 9155
Ion Ratio Lower Upper
83 100
55 86.9 65.6 98.4
98 52.8 38.3 57.5





#37

1,2-Dichloropropane

Concen: 1.003 ug/L

RT: 9.368 min Scan# 112

Delta R.T. 0.000 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion: 63 Resp: 5074

Ion Ratio Lower Upper

63 100

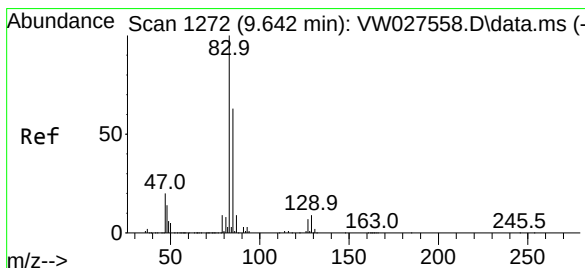
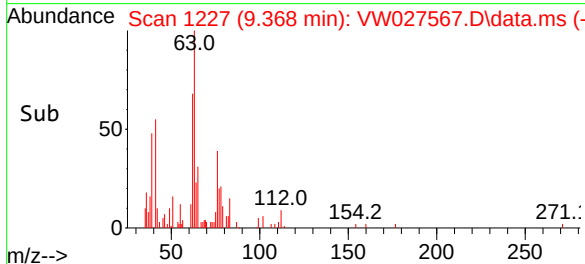
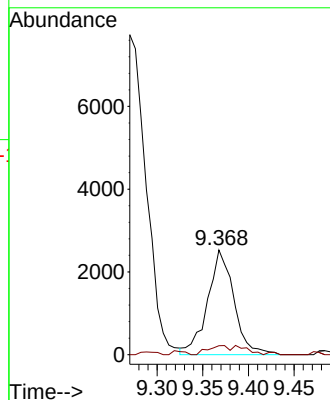
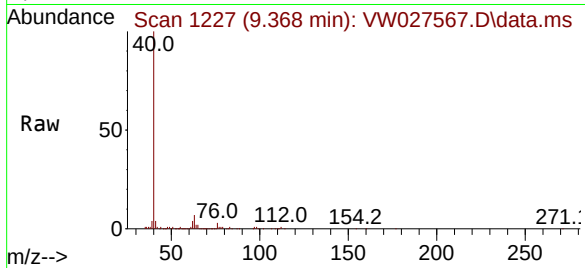
112 6.9 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#38

Bromodichloromethane

Concen: 0.952 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

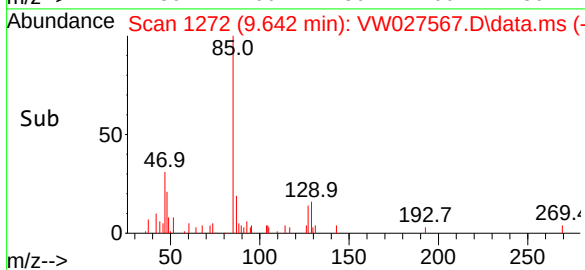
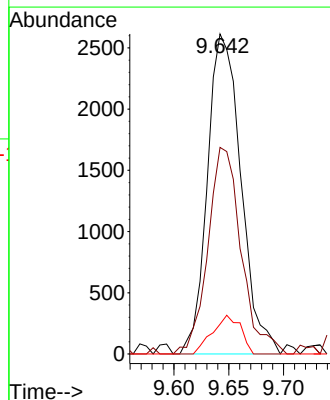
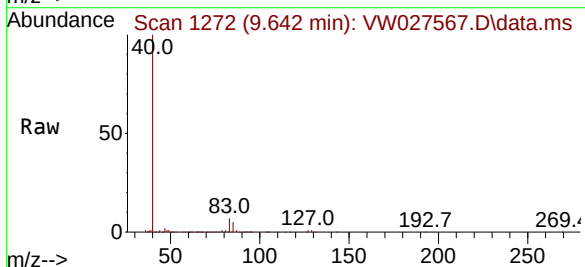
Tgt Ion: 83 Resp: 5563

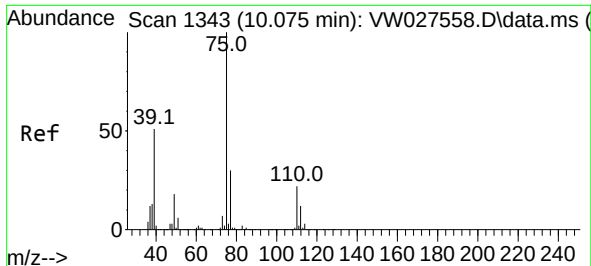
Ion Ratio Lower Upper

83 100

85 64.5 44.3 82.3

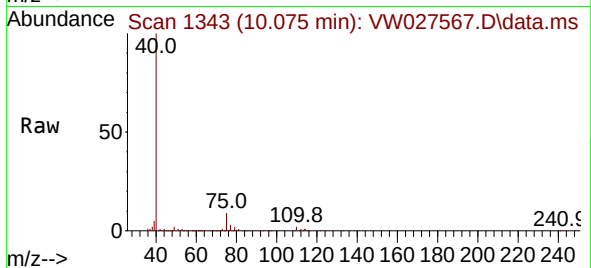
127 9.3 5.3 7.9





#39
cis-1,3-Dichloropropene
Concen: 0.862 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

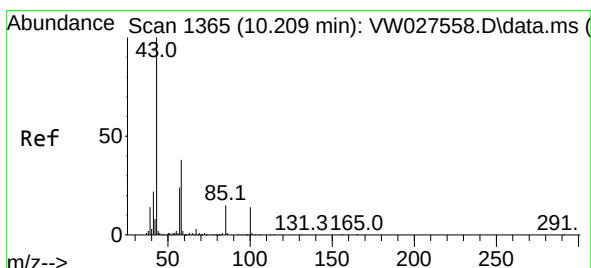
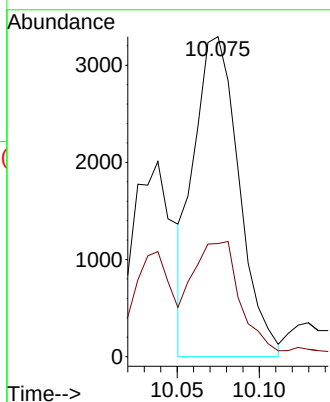
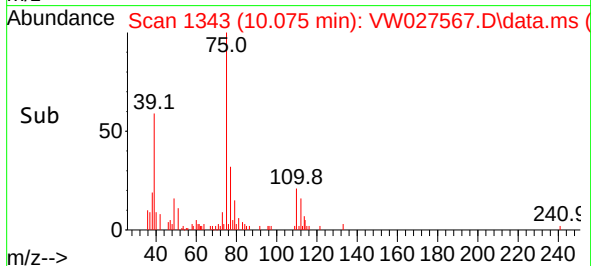
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



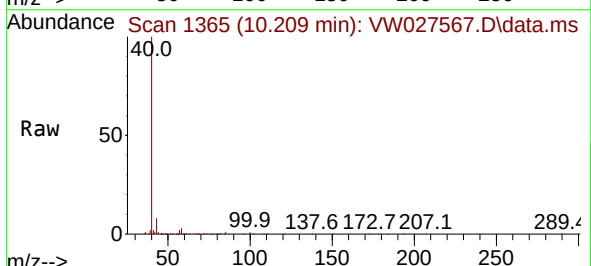
Tgt Ion: 75 Resp: 6295
Ion Ratio Lower Upper
75 100
77 35.4 21.1 39.1

Manual Integrations
APPROVED

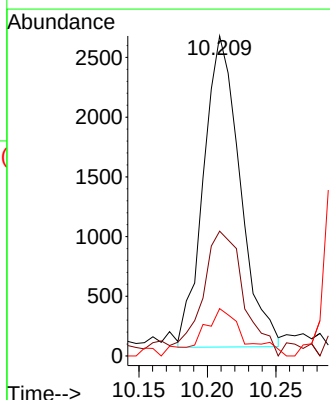
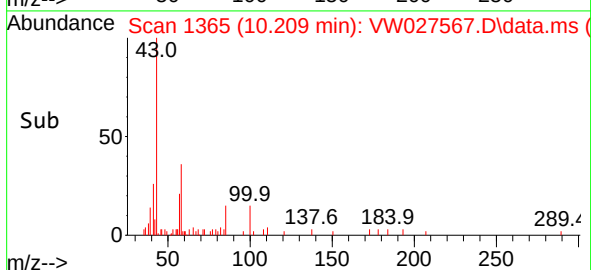
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

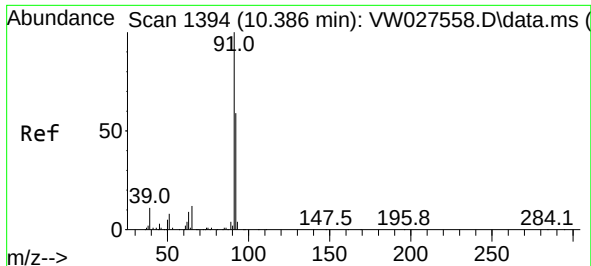


#40
4-Methyl-2-pentanone
Concen: 1.411 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



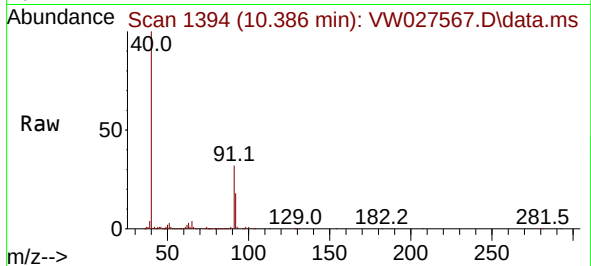
Tgt Ion: 43 Resp: 4823
Ion Ratio Lower Upper
43 100
58 45.3 29.6 44.4#
100 12.4 11.1 16.7





#42
Toluene
Concen: 1.002 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

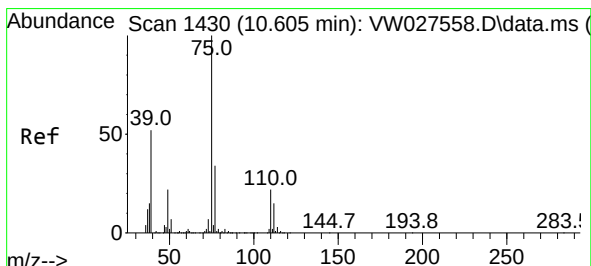
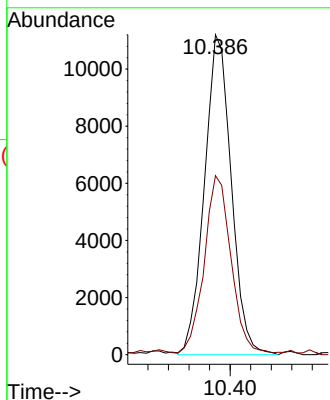
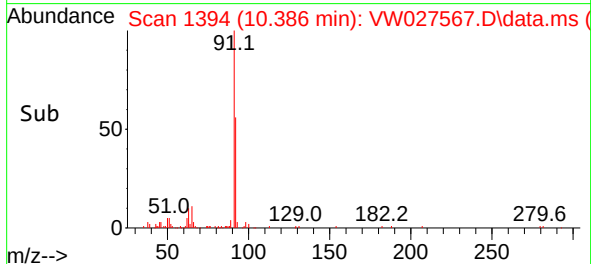
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 91 Resp: 20280
Ion Ratio Lower Upper
91 100
92 56.0 41.4 76.8

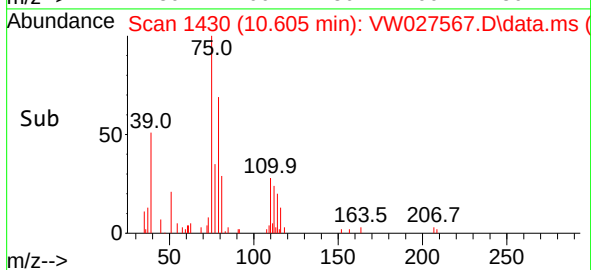
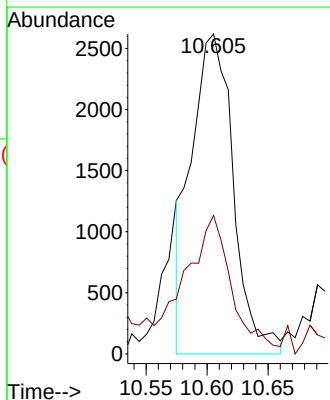
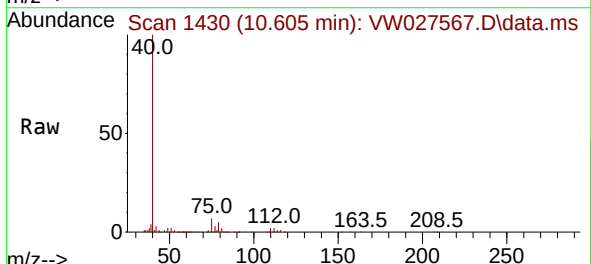
Manual Integrations
APPROVED

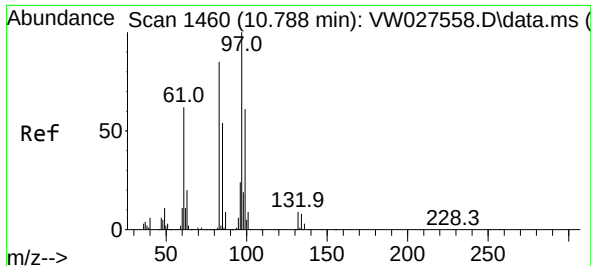
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#44
trans-1,3-Dichloropropene
Concen: 1.066 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

Tgt Ion: 75 Resp: 6276
Ion Ratio Lower Upper
75 100
77 43.3 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 0.954 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027567.D

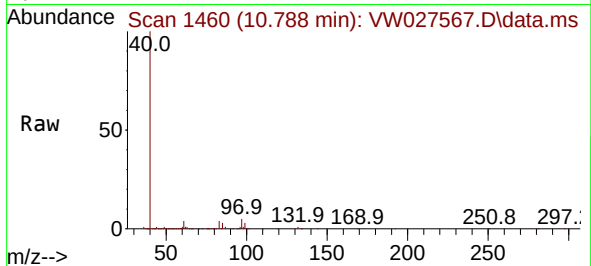
Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion: 97 Resp: 336

Ion Ratio Lower Upper

97 100

99 62.9 42.8 79.4

83 77.0 59.9 111.3

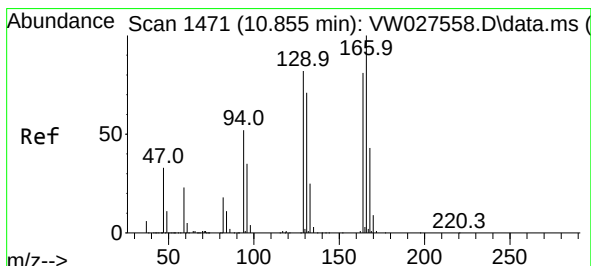
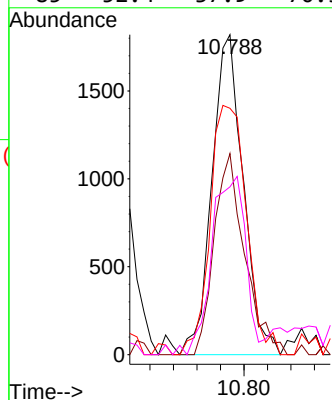
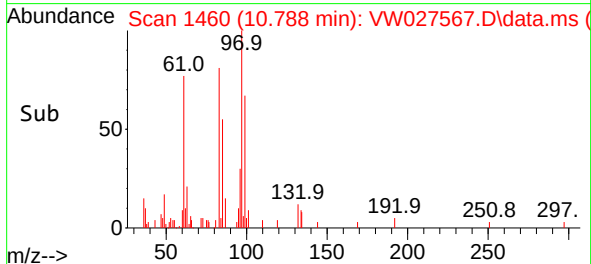
85 52.4 37.9 70.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#46

Tetrachloroethene

Concen: 1.054 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

Tgt Ion:164 Resp: 3931

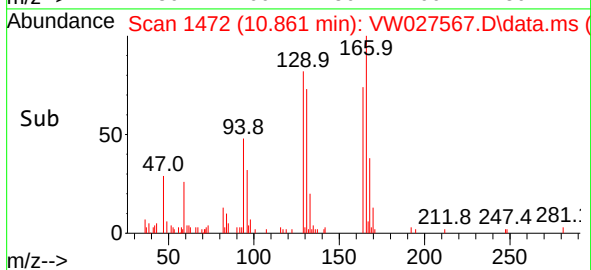
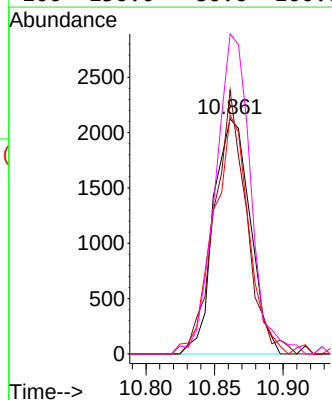
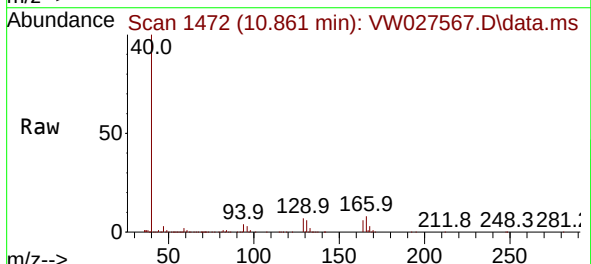
Ion Ratio Lower Upper

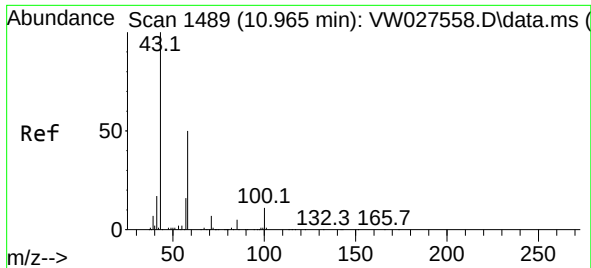
164 100

129 112.1 71.0 131.8

131 101.6 61.2 113.6

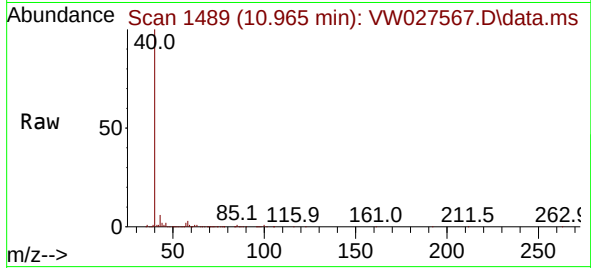
166 136.0 86.6 160.8





#48
2-Hexanone
Concen: 1.746 ug/L m
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

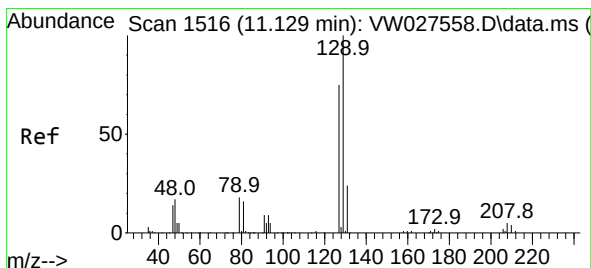
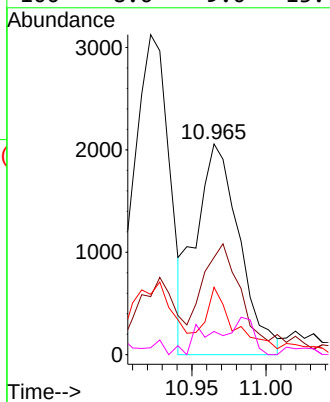
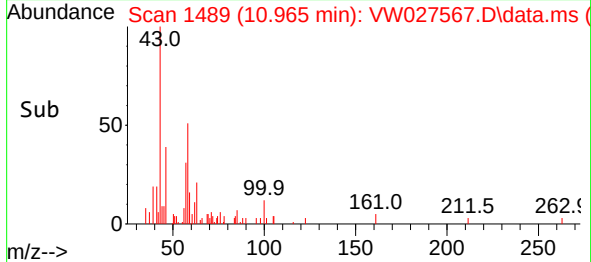
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 4200
Ion Ratio Lower Upper
43 100
58 37.0 40.8 61.2
57 20.3 14.8 22.2
100 8.6 9.0 13.4#

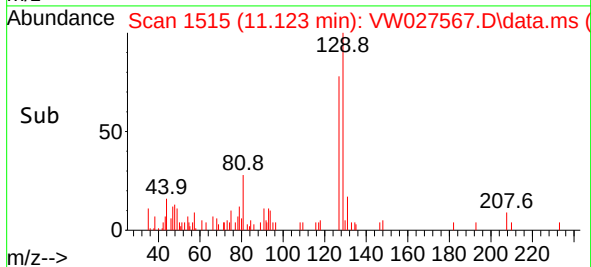
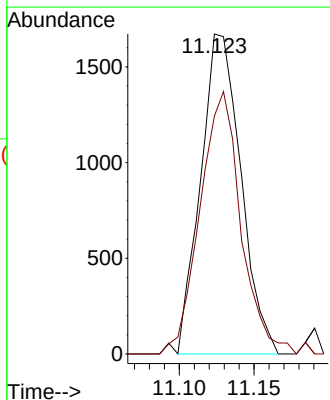
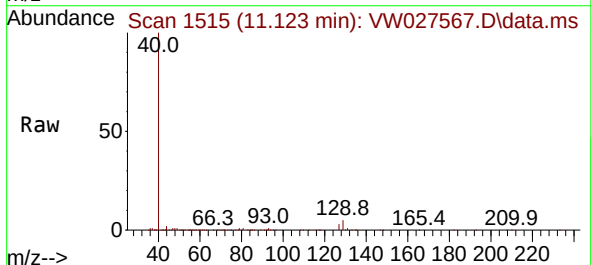
Manual Integrations
APPROVED

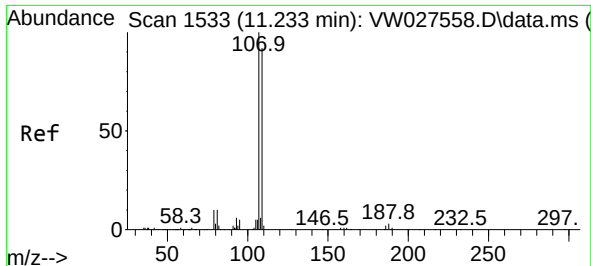
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#49
Dibromochloromethane
Concen: 0.900 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

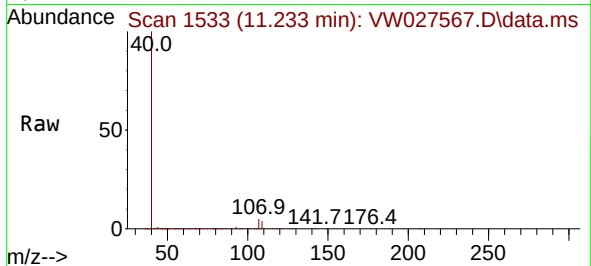
Tgt Ion:129 Resp: 3131
Ion Ratio Lower Upper
129 100
127 74.3 52.3 97.1





#50
1,2-Dibromoethane
Concen: 0.960 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

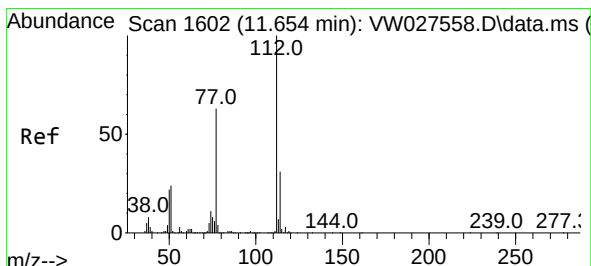
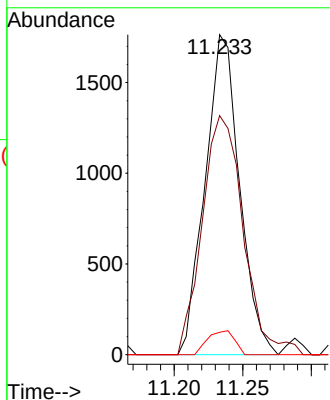
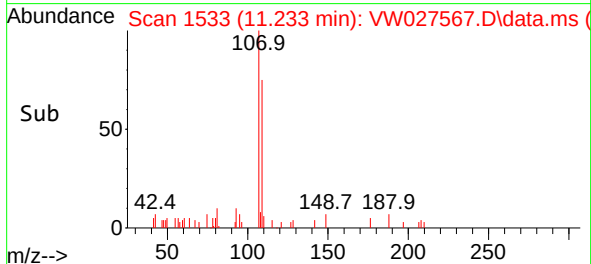
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



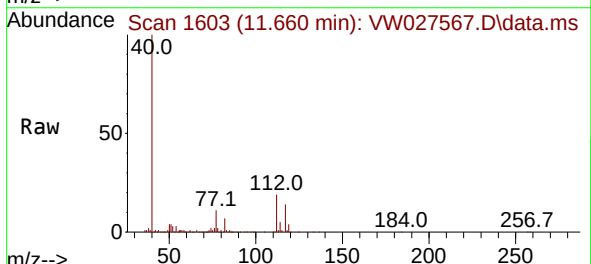
Tgt Ion:107 Resp: 3092
Ion Ratio Lower Upper
107 100
109 74.7 64.8 120.3
188 7.0 2.7 4.1

Manual Integrations
APPROVED

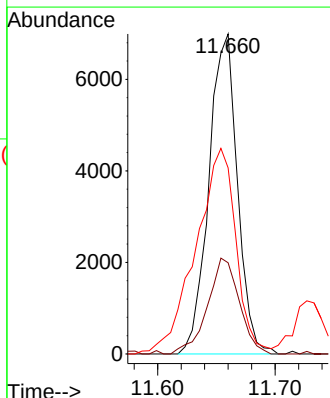
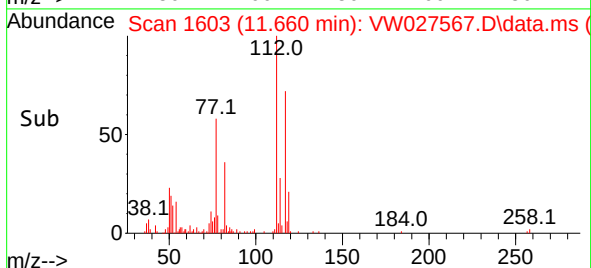
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

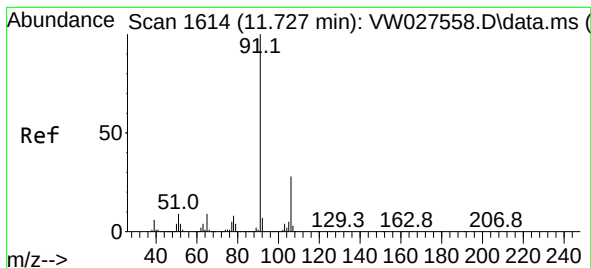


#51
Chlorobenzene
Concen: 0.968 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



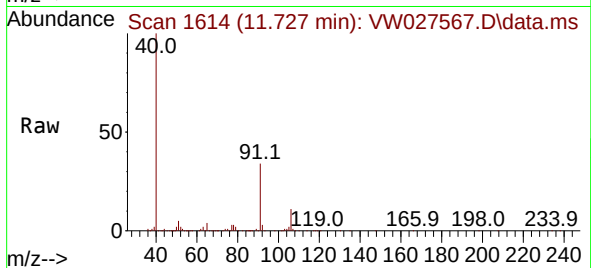
Tgt Ion:112 Resp: 11835
Ion Ratio Lower Upper
112 100
114 28.5 21.5 39.9
77 58.1 50.6 76.0





#52
Ethylbenzene
Concen: 0.931 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

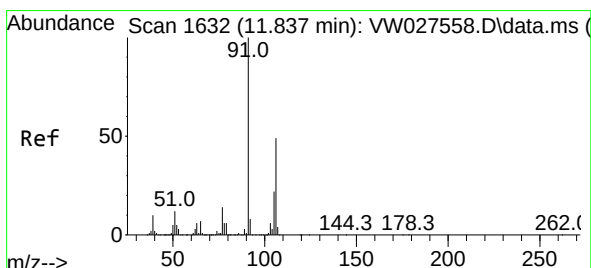
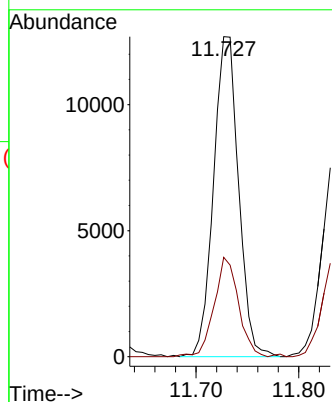
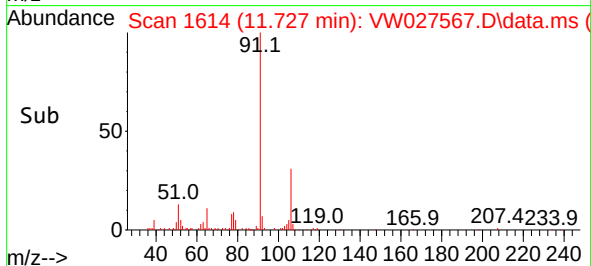
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



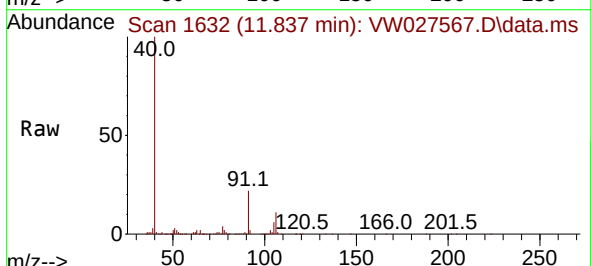
Tgt Ion: 91 Resp: 2142
Ion Ratio Lower Upper
91 100
106 31.1 19.5 36.1

Manual Integrations
APPROVED

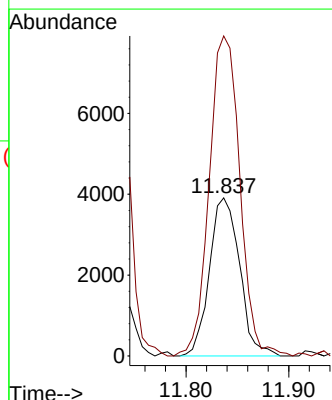
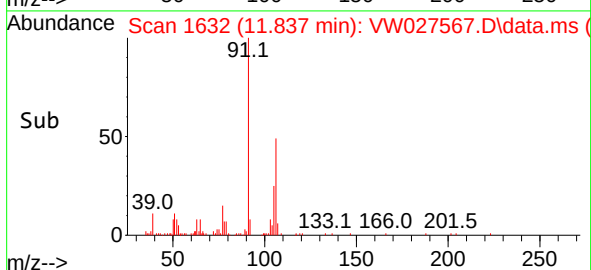
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

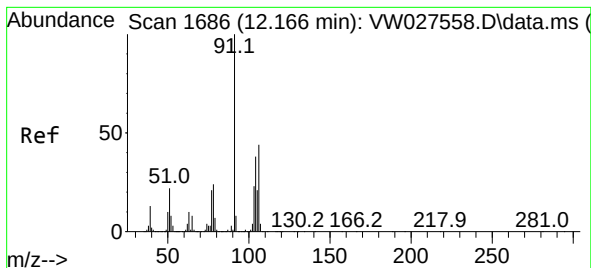


#53
m,p-Xylene
Concen: 0.940 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



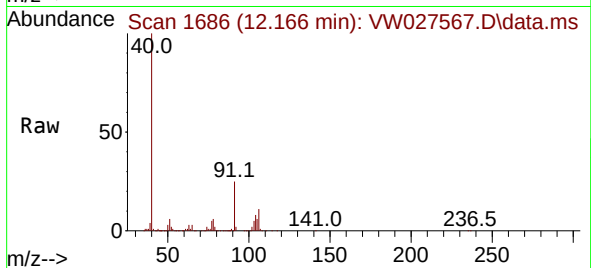
Tgt Ion:106 Resp: 7973
Ion Ratio Lower Upper
106 100
91 202.5 142.1 263.9





#54
o-Xylene
Concen: 0.864 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

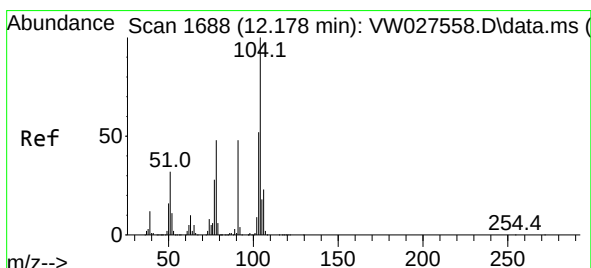
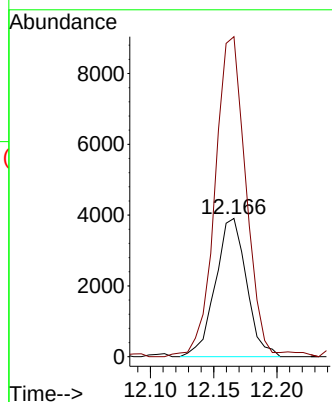
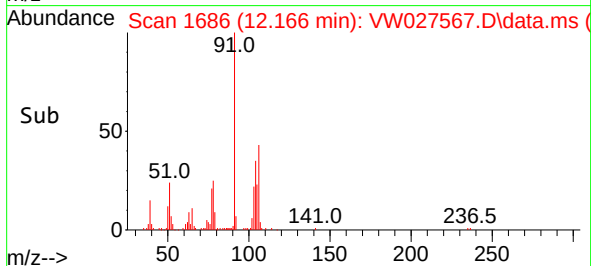
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



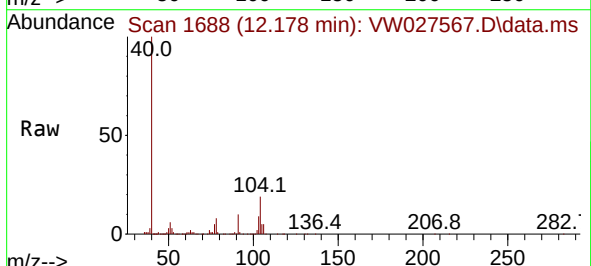
Tgt Ion:106 Resp: 6660
Ion Ratio Lower Upper
106 100
91 231.6 158.8 295.0

Manual Integrations
APPROVED

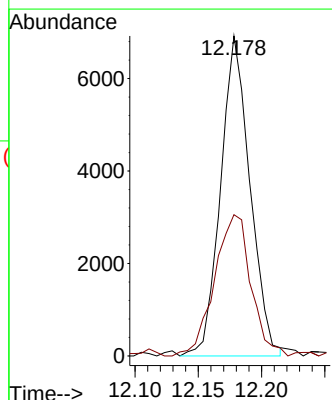
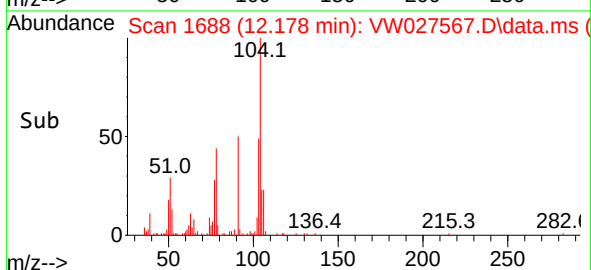
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

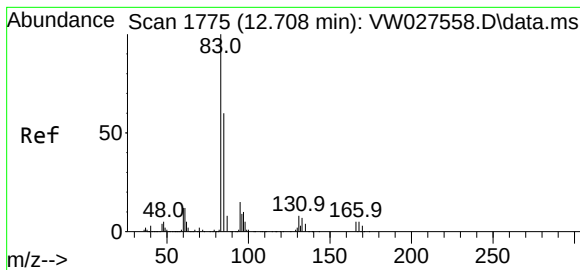


#55
Styrene
Concen: 0.849 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



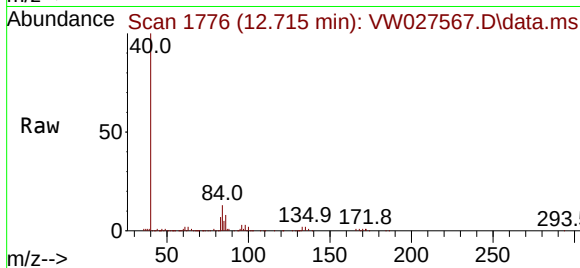
Tgt Ion:104 Resp: 11171
Ion Ratio Lower Upper
104 100
78 44.2 33.9 62.9





#57
1,1,2,2-Tetrachloroethane
Concen: 0.967 ug/L
RT: 12.715 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

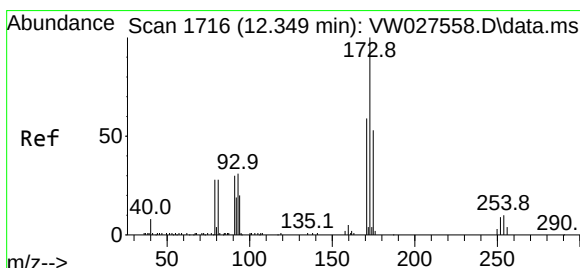
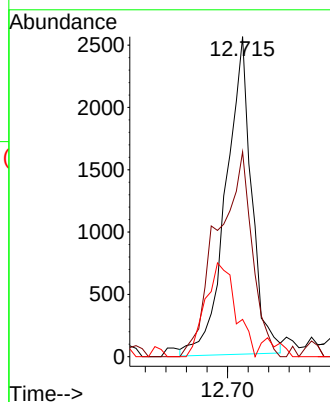
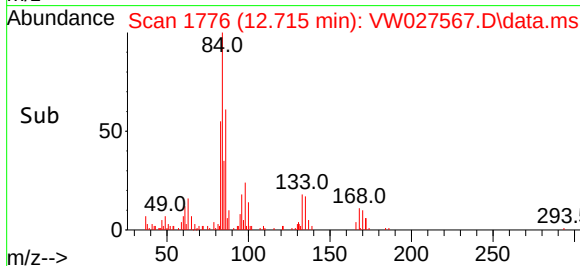
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 83 Resp: 443
Ion Ratio Lower Upper
83 100
85 64.0 41.9 77.7
131 11.6 7.0 10.6

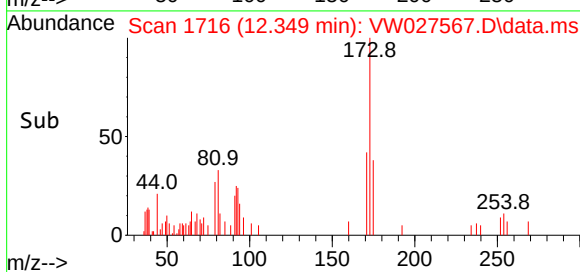
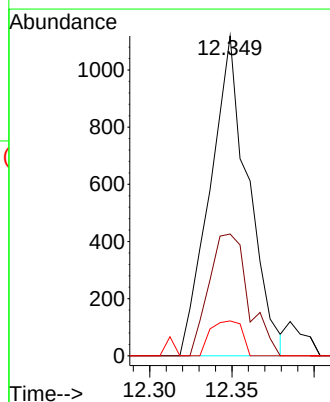
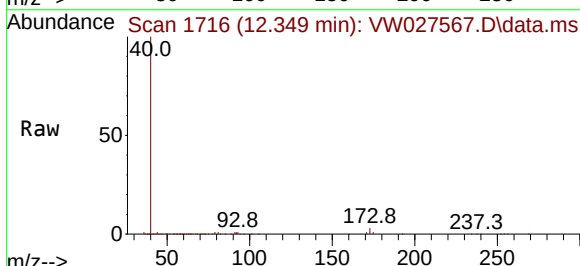
Manual Integrations
APPROVED

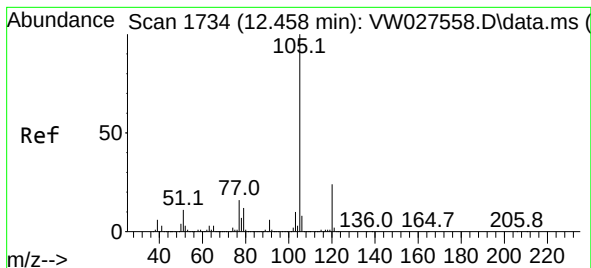
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#59
Bromoform
Concen: 1.003 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

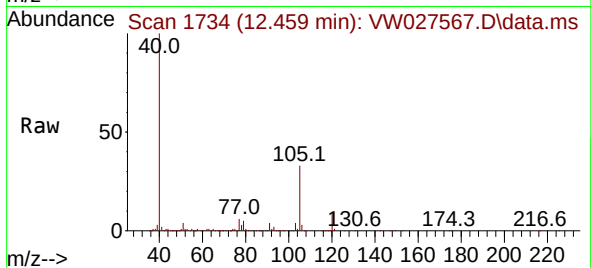
Tgt Ion:173 Resp: 1800
Ion Ratio Lower Upper
173 100
175 39.7 39.4 59.0
254 9.0 7.8 11.8





#60
Isopropylbenzene
Concen: 0.954 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

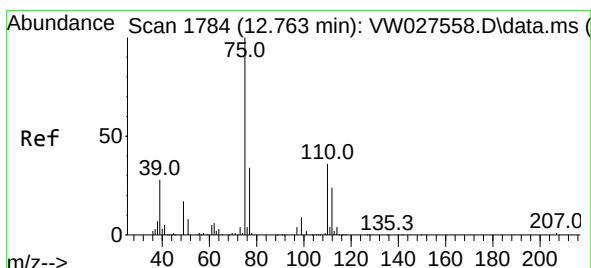
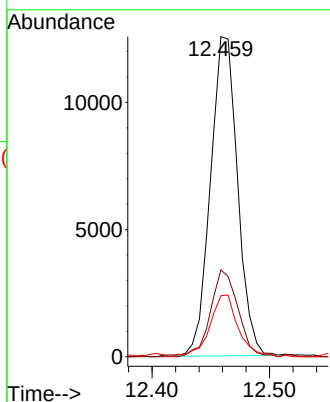
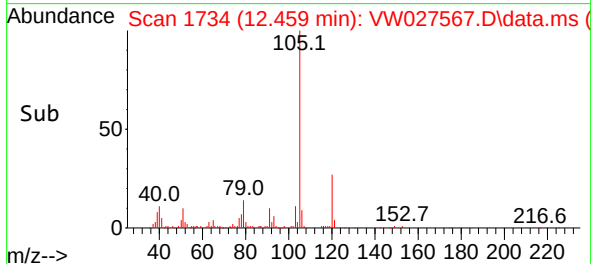
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



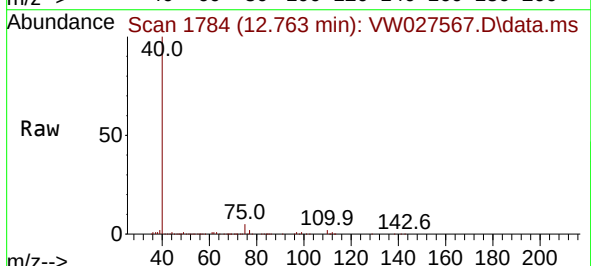
Tgt Ion:105 Resp: 2018
Ion Ratio Lower Upper
105 100
120 27.4 20.3 30.5
77 20.1 13.1 19.7

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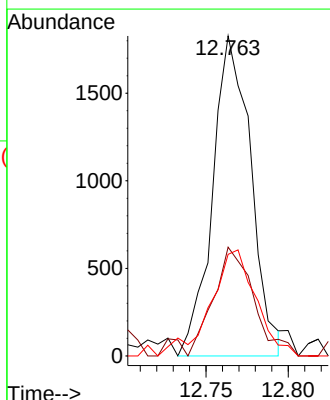
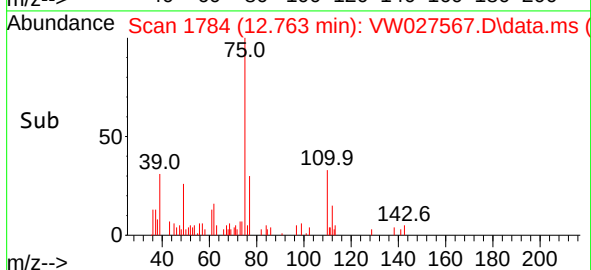
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

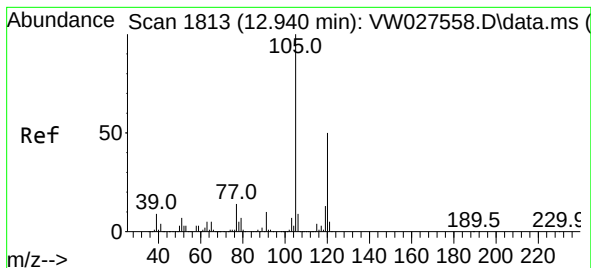


#61
1,2,3-Trichloropropane
Concen: 0.958 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38



Tgt Ion: 75 Resp: 2959
Ion Ratio Lower Upper
75 100
77 33.6 26.6 39.8
110 36.5 30.2 45.4





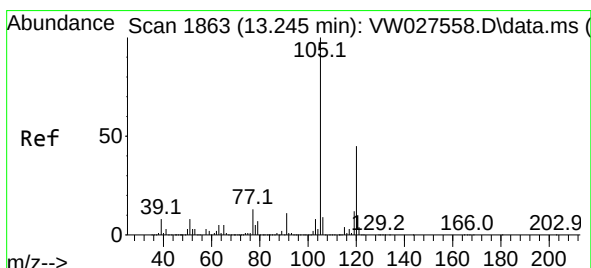
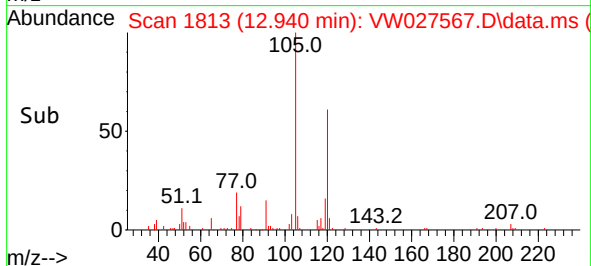
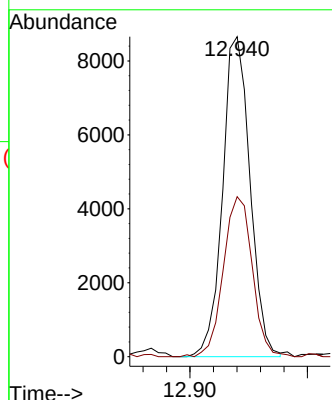
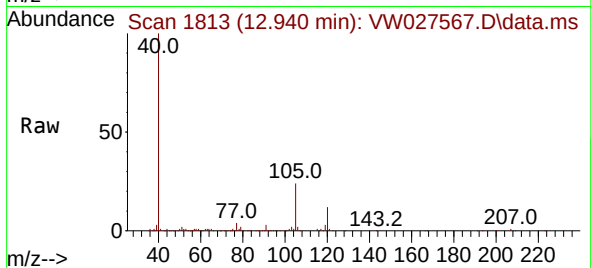
#62
1,3,5-Trimethylbenzene
Concen: 0.898 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

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

Tgt Ion:105 Resp: 1404
Ion Ratio Lower Upper
105 100
120 52.5 38.7 58.1

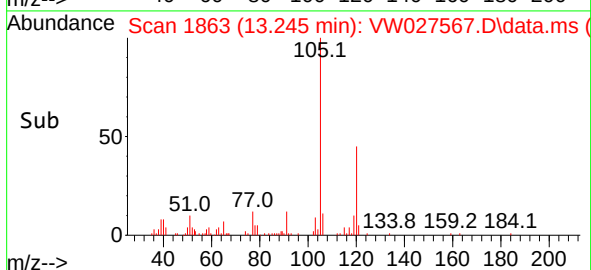
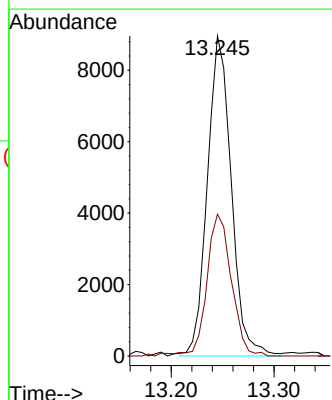
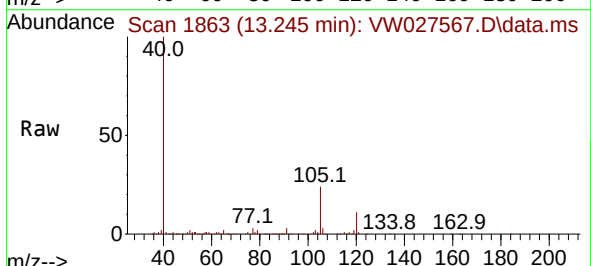
Manual Integrations
APPROVED

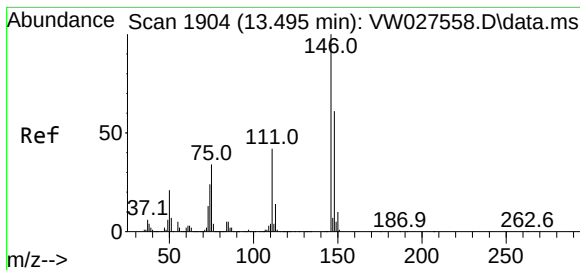
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.930 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

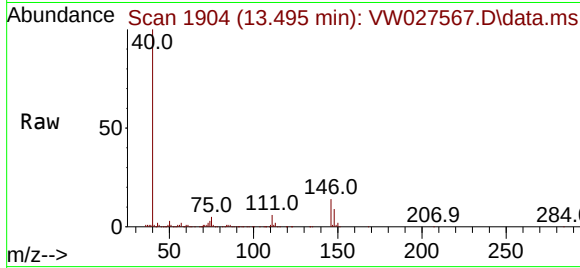
Tgt Ion:105 Resp: 14496
Ion Ratio Lower Upper
105 100
120 44.2 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 0.976 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

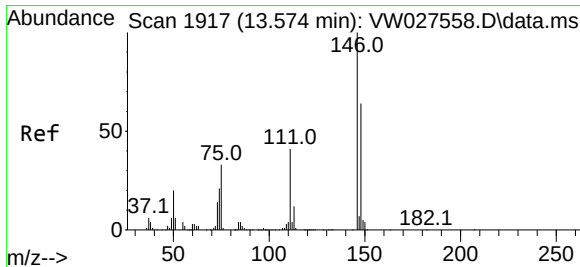
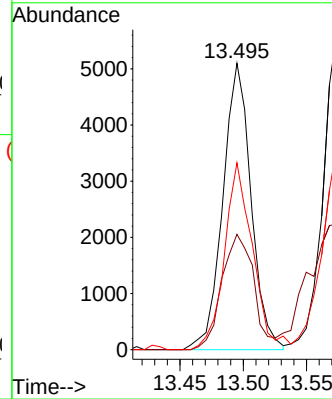
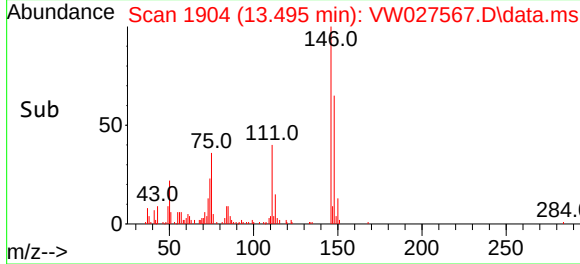
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion:	146	Resp:	7909
Ion Ratio	Lower	Upper	
146	100		
111	40.3	29.5	54.7
148	65.2	42.8	79.6

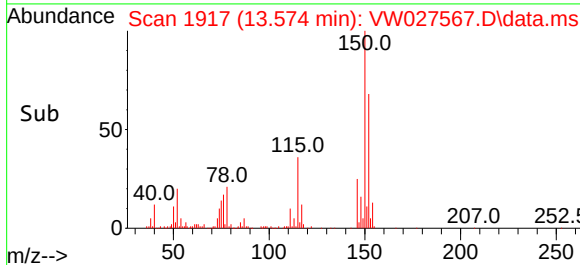
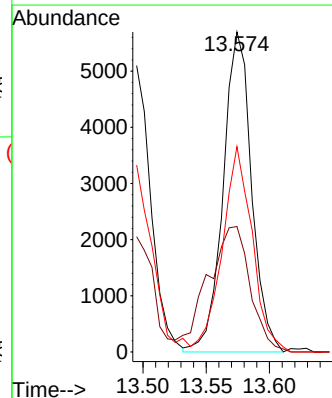
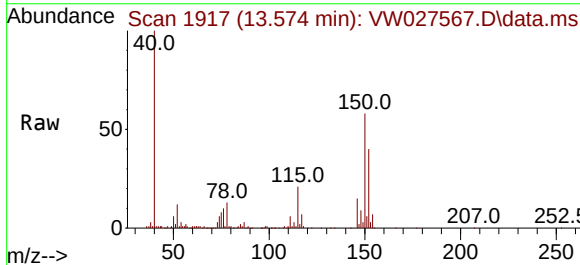
Manual Integrations
APPROVED

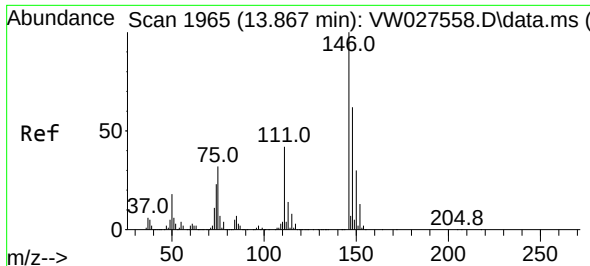
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#65
1,4-Dichlorobenzene
Concen: 1.101 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027567.D
Acq: 06 Dec 2023 14:38

Tgt Ion:	146	Resp:	8897
Ion Ratio	Lower	Upper	
146	100		
111	39.2	28.9	53.7
148	64.1	44.9	83.5





#67

1,2-Dichlorobenzene

Concen: 0.973 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

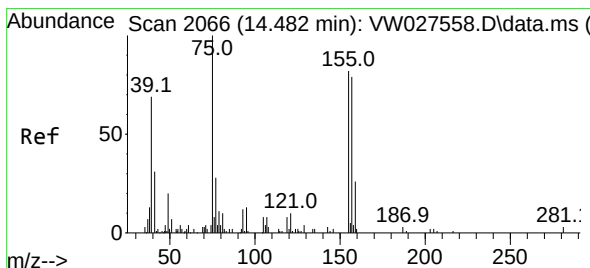
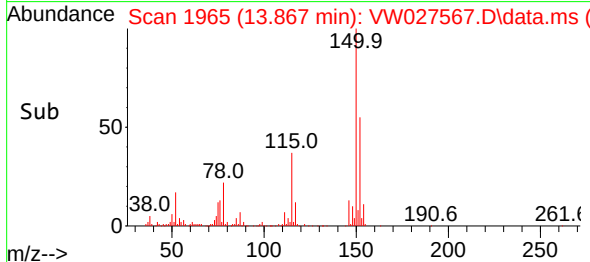
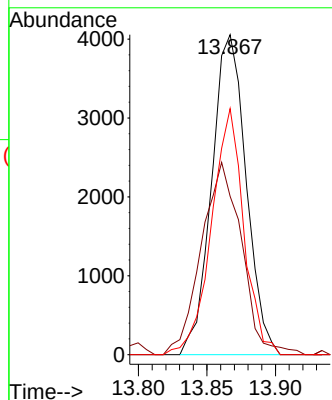
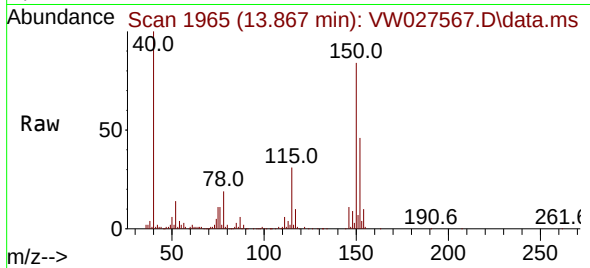
Tgt Ion:	146	Resp:	709
Ion Ratio	Lower	Upper	
146	100		
111	49.5	33.9	50.9
148	76.9	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 0.947 ug/L m

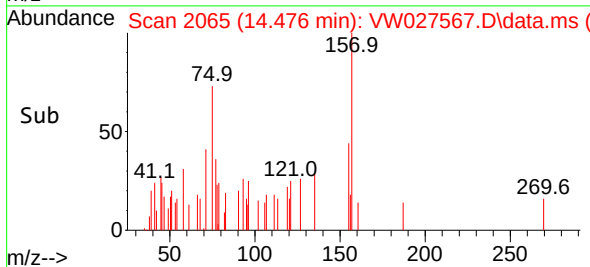
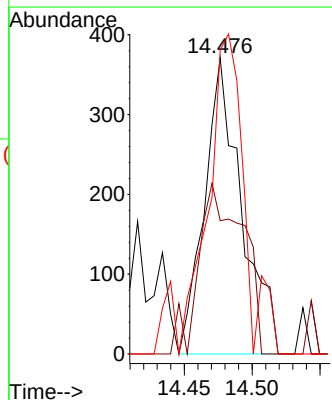
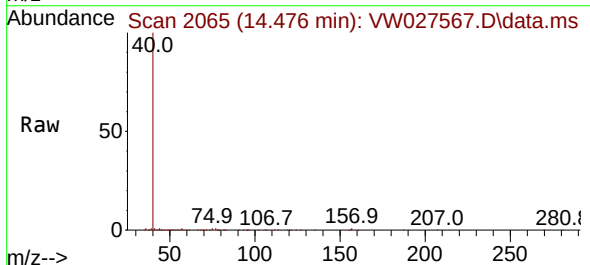
RT: 14.476 min Scan# 2065

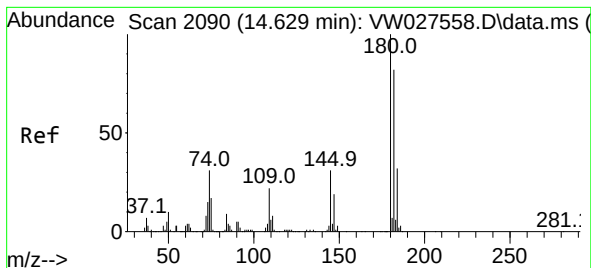
Delta R.T. -0.006 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

Tgt Ion:	75	Resp:	704
Ion Ratio	Lower	Upper	
75	100		
155	45.0	65.8	98.8#
157	102.7	63.0	94.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.999 ug/L

RT: 14.629 min Scan# 2090

Delta R.T. 0.000 min

Lab File: VW027567.D

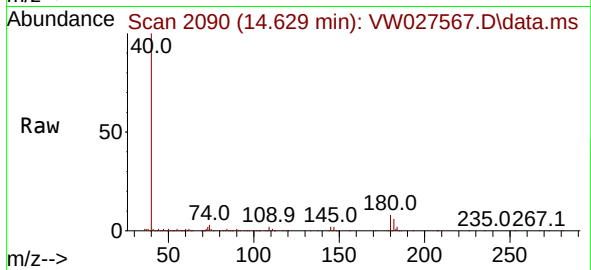
Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 544

Ion Ratio Lower Upper

180 100

182 92.0 73.2 109.8

184 33.0 25.4 38.2

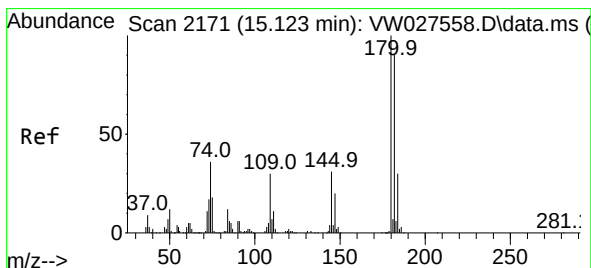
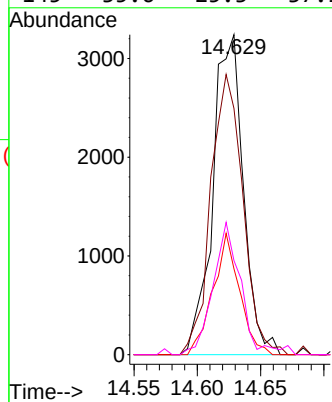
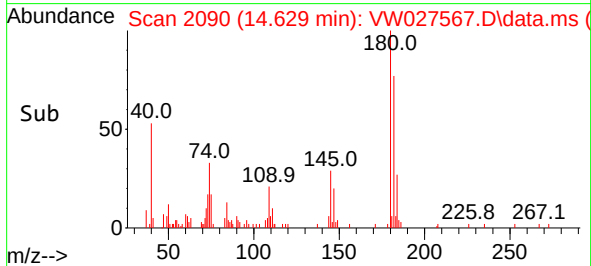
145 35.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#70

1,2,4-trichlorobenzene

Concen: 1.078 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

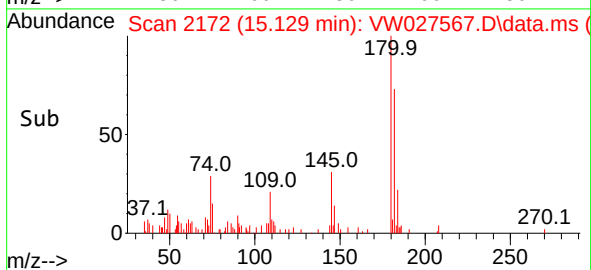
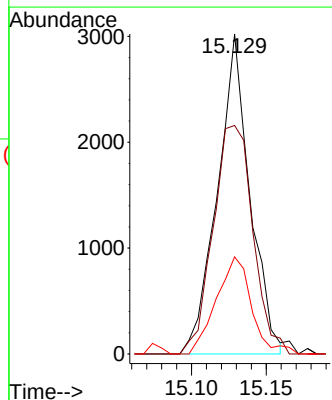
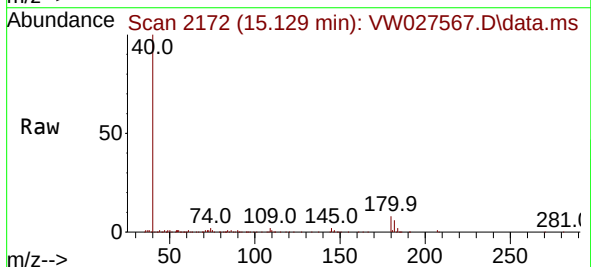
Tgt Ion:180 Resp: 4559

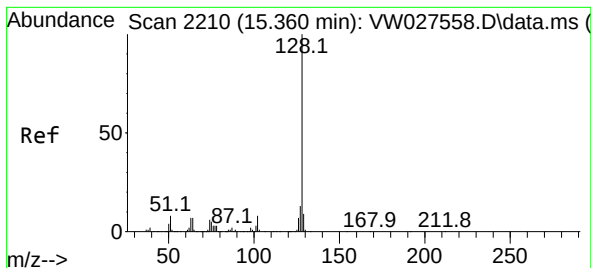
Ion Ratio Lower Upper

180 100

182 87.5 78.7 118.1

145 31.8 26.8 40.2





#71

Naphthalene

Concen: 0.876 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027567.D

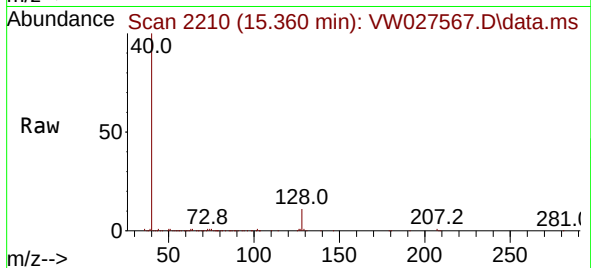
Acq: 06 Dec 2023 14:38

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

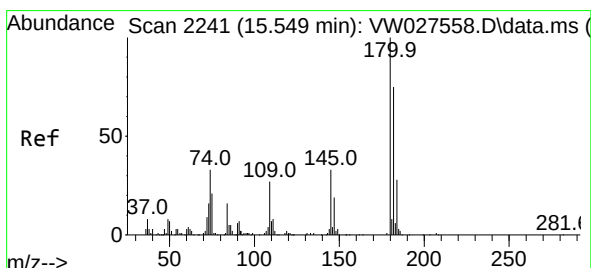
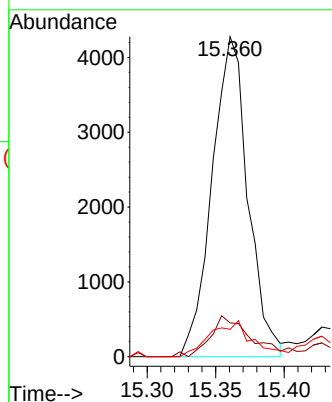
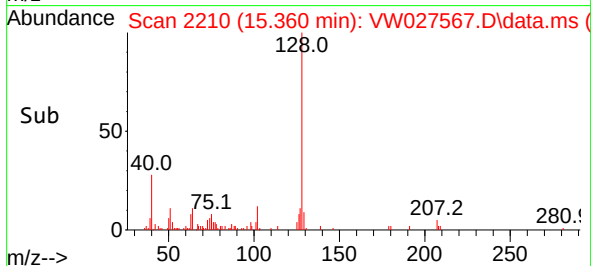


Tgt Ion:	128	Resp:	779
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5
129	6.0	8.6	12.8

Manual Integrations

APPROVED

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



#72

1,2,3-Trichlorobenzene

Concen: 0.966 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027567.D

Acq: 06 Dec 2023 14:38

Tgt Ion:	180	Resp:	3501
Ion Ratio	Lower	Upper	
180	100		
182	93.4	72.4	108.6
145	35.1	27.4	41.0

