

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022824\
 Data File : VD078567.D
 Acq On : 28 Feb 2024 14:58
 Operator : RP/MD
 Sample : P1601-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Quant Time: Feb 28 23:14:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL022724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 23:05:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	168805	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	171149	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75420	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	137118	21.649	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.600%
7) Chloroethane-d5	2.805	69	131830	23.564	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.240%
11) 1,1-Dichloroethene-d2	3.922	65	26543	25.544	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.160%
21) 2-Butanone-d5	6.987	46	26847	55.626	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.260%
24) Chloroform-d	7.569	84	114724	24.324	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.280%
26) 1,2-Dichloroethane-d4	8.234	65	61150	26.775	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.080%
32) Benzene-d6	8.199	84	243602	24.857	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.440%
36) 1,2-Dichloropropane-d6	9.210	67	74844	25.827	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.320%
41) Toluene-d8	10.269	98	220429	24.343	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	10.522	79	31138	25.753	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.000%
47) 2-Hexanone-d5	10.875	63	25354	58.236	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	65161	26.934	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	66856	25.230	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3606	1.174	ug/L	91
3) Chloromethane	2.152	50	4598	1.026	ug/L	# 82
5) Vinyl chloride	2.287	62	7657	1.093	ug/L	92
6) Bromomethane	2.699	94	4860	1.287	ug/L	89
8) Chloroethane	2.846	64	5182	1.119	ug/L	87
9) Trichlorofluoromethane	3.175	101	4636	1.136	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	2956m	1.110	ug/L	
12) 1,1-Dichloroethene	3.940	96	3305m	1.451	ug/L	
13) Acetone	4.028	43	1579m	2.756	ug/L	
14) Carbon disulfide	4.269	76	9117	1.193	ug/L	99
15) Methyl Acetate	4.564	43	871m	1.070	ug/L	
16) Methylene chloride	4.811	84	7782m	2.510	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	2870	1.139	ug/L	88
18) Methyl tert-butyl Ether	5.328	73	5281m	1.103	ug/L	
19) 1,1-Dichloroethane	6.099	63	5409m	1.279	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2663m	0.969	ug/L	
22) 2-Butanone	7.093	43	1665m	2.539	ug/L	
23) Bromochloromethane	7.434	128	1320m	1.081	ug/L	
25) Chloroform	7.587	83	12769	2.674	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	8.328	62	3142	1.194	ug/L	#	91
29) Cyclohexane	7.869	56	3549m	1.078	ug/L		
30) 1,1,1-Trichloroethane	7.787	97	3781	0.966	ug/L	#	78
31) Carbon tetrachloride	7.999	117	3376m	0.967	ug/L		
33) Benzene	8.252	78	11000	1.074	ug/L		100
34) Trichloroethene	9.028	95	3025	1.136	ug/L		91
35) Methylcyclohexane	9.281	83	4219	0.982	ug/L		94
37) 1,2-Dichloropropane	9.304	63	3007	1.193	ug/L	#	86
38) Bromodichloromethane	9.581	83	3828	1.114	ug/L	#	85
39) cis-1,3-Dichloropropene	10.010	75	3731	0.953	ug/L		92
40) 4-Methyl-2-pentanone	10.157	43	2251	1.937	ug/L	#	76
42) Toluene	10.334	91	11266	1.004	ug/L		82
44) trans-1,3-Dichloropropene	10.551	75	4021m	1.190	ug/L		
45) 1,1,2-Trichloroethane	10.734	97	2284	1.120	ug/L	#	83
46) Tetrachloroethene	10.816	164	2202m	1.006	ug/L		
48) 2-Hexanone	10.922	43	2313	2.399	ug/L	#	61
49) Dibromochloromethane	11.063	129	2326m	0.971	ug/L		
50) 1,2-Dibromoethane	11.181	107	2241	1.156	ug/L	#	94
51) Chlorobenzene	11.604	112	7604	1.028	ug/L	#	78
52) Ethylbenzene	11.687	91	11035	0.905	ug/L		91
53) m,p-Xylene	11.787	106	4217	0.896	ug/L		67
54) o-Xylene	12.122	106	3332	0.729	ug/L		99
55) Styrene	12.134	104	5515	0.680	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.669	83	3118	1.313	ug/L	#	91
59) Bromoform	12.304	173	1336m	1.082	ug/L		
60) Isopropylbenzene	12.422	105	8981	0.876	ug/L	#	91
61) 1,2,3-Trichloropropane	12.728	75	1704	1.338	ug/L	#	88
62) 1,3,5-Trimethylbenzene	12.904	105	6823	0.876	ug/L		100
63) 1,2,4-Trimethylbenzene	13.216	105	6106m	0.799	ug/L		
64) 1,3-Dichlorobenzene	13.451	146	4567	0.966	ug/L		81
65) 1,4-Dichlorobenzene	13.540	146	5462	1.098	ug/L		95
67) 1,2-Dichlorobenzene	13.828	146	4812	1.116	ug/L	#	85
68) 1,2-Dibromo-3-chloropr...	14.439	75	528m	1.998	ug/L		
69) 1,3,5-Trichlorobenzene	14.598	180	3244	1.061	ug/L	#	90
70) 1,2,4-trichlorobenzene	15.098	180	2544	0.997	ug/L	#	93
71) Naphthalene	15.334	128	4944	1.059	ug/L	#	84
72) 1,2,3-Trichlorobenzene	15.528	180	2054m	0.910	ug/L		

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

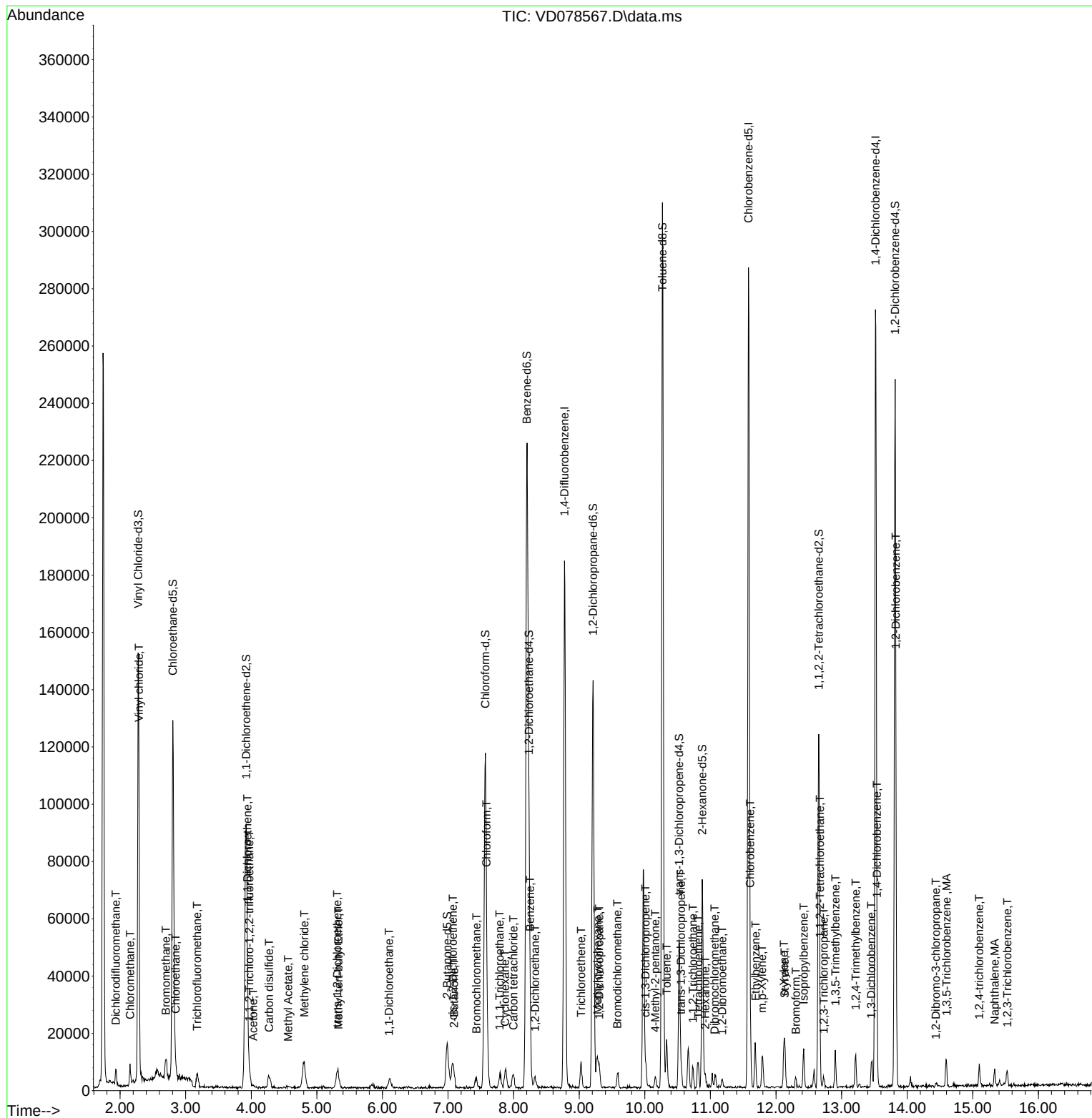
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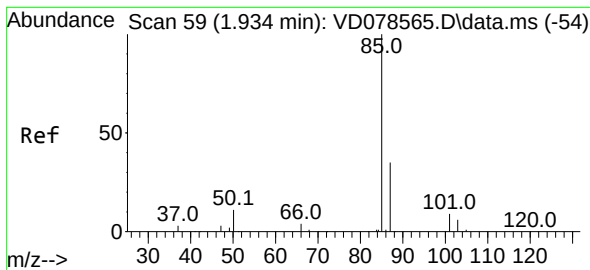
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Quant Time: Feb 28 23:14:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022724SMA.M
Quant Title : SFAM01.0
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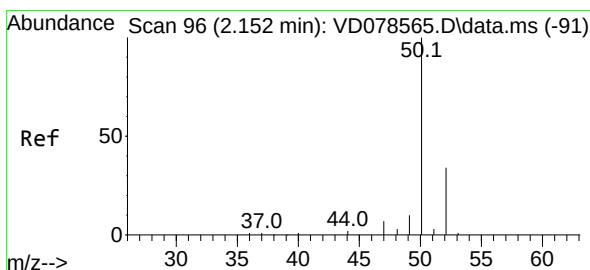
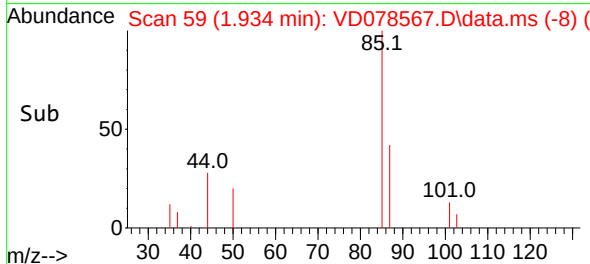
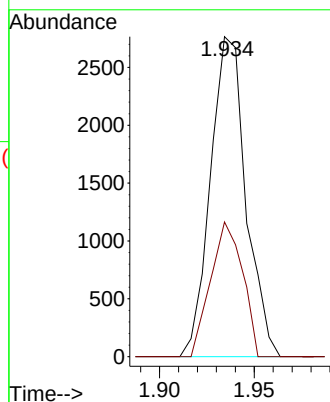
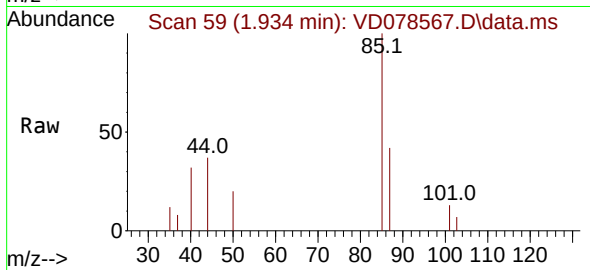
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Dichlorodifluoromethane
Concen: 1.174 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 85 Resp: 3600
Ion Ratio Lower Upper
85 100
87 37.9 26.2 39.2

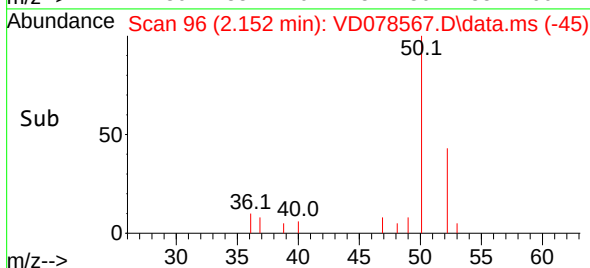
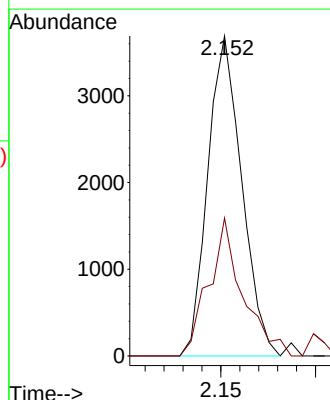
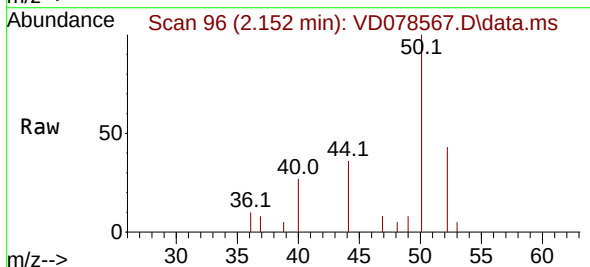
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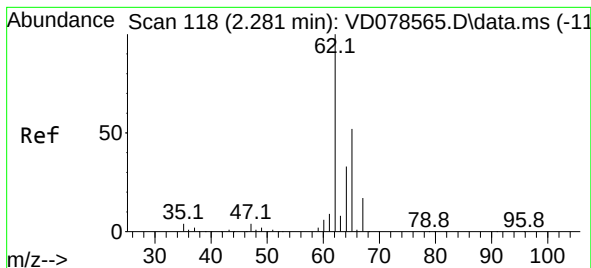
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#3
Chloromethane
Concen: 1.026 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 50 Resp: 4598
Ion Ratio Lower Upper
50 100
52 43.1 23.1 42.9





#5

Vinyl chloride

Concen: 1.093 ug/L

RT: 2.287 min Scan# 118

Delta R.T. 0.006 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 62 Resp: 765

Ion Ratio Lower Upper

62 100

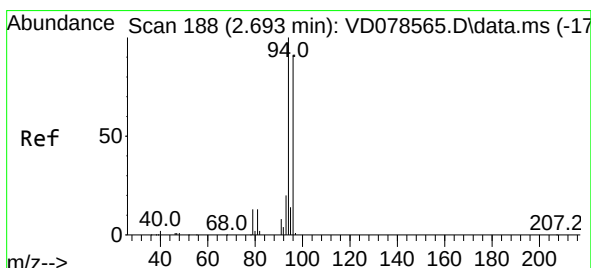
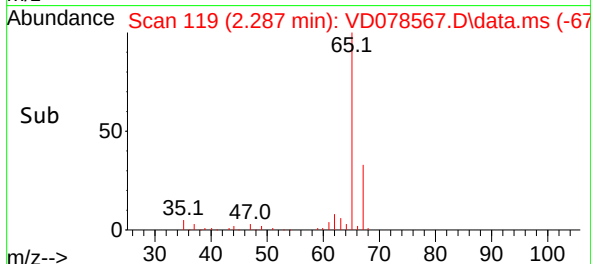
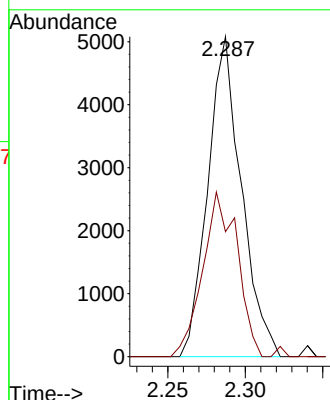
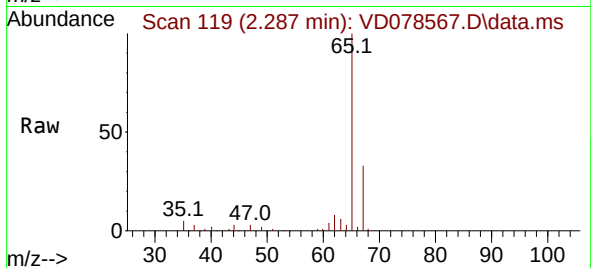
64 39.0 24.0 44.6

Manual Integrations

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Supervised By :Mahesh Dadoda 02/29/2024



#6

Bromomethane

Concen: 1.287 ug/L

RT: 2.699 min Scan# 189

Delta R.T. 0.006 min

Lab File: VD078567.D

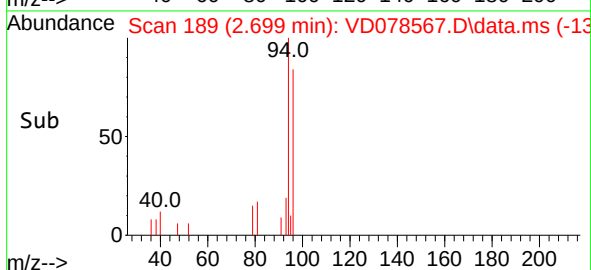
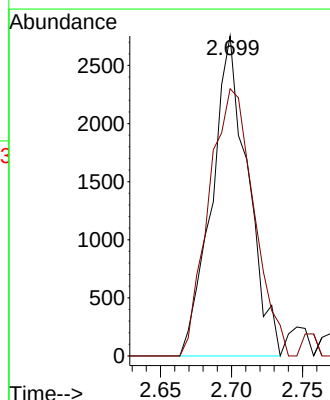
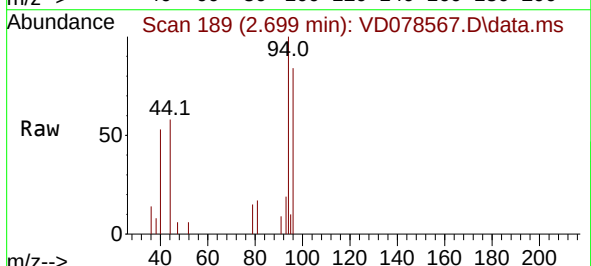
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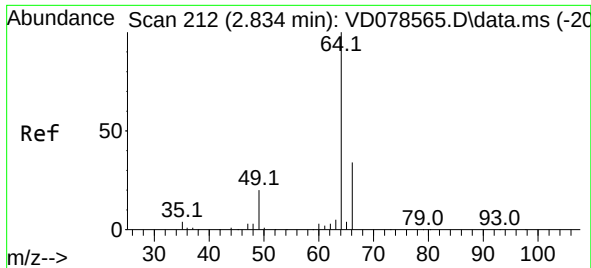
Tgt Ion: 94 Resp: 4860

Ion Ratio Lower Upper

94 100

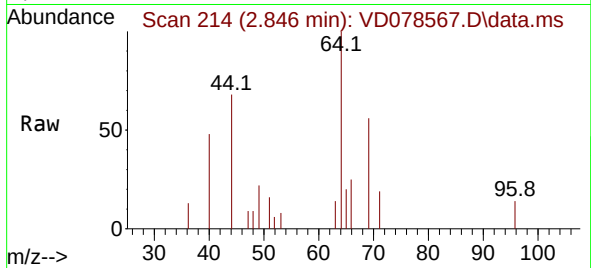
96 83.5 65.9 122.5





#8
Chloroethane
Concen: 1.119 ug/L
RT: 2.846 min Scan# 212
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

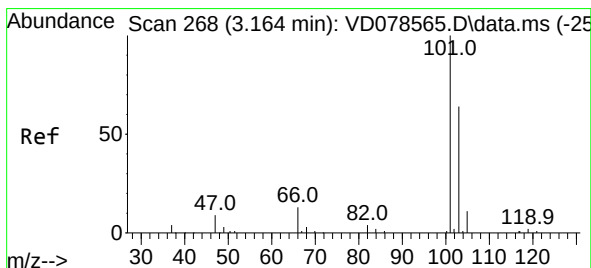
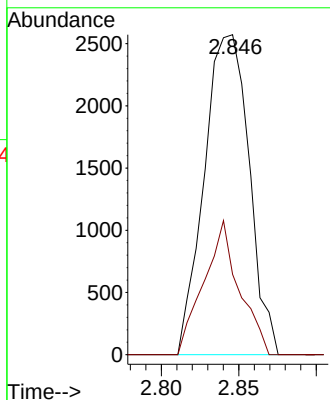
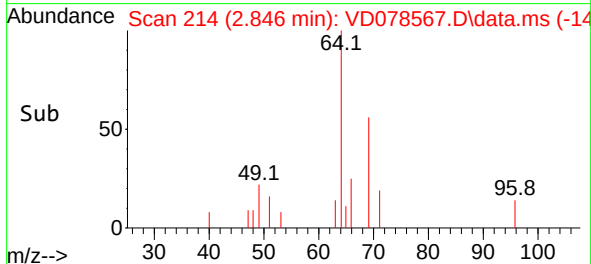
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion: 64 Resp: 518
Ion Ratio Lower Upper
64 100
66 25.1 22.9 42.5

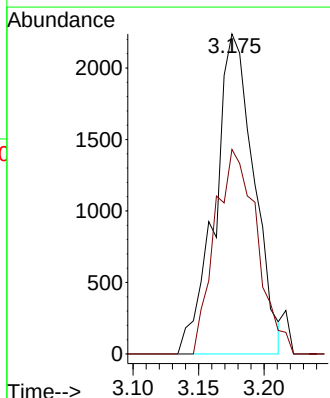
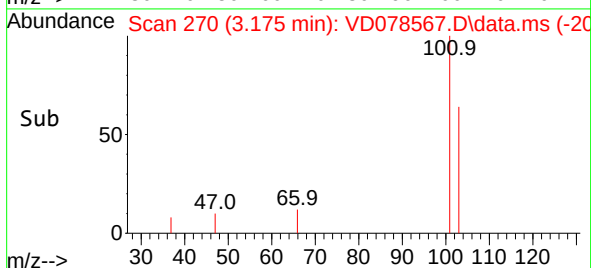
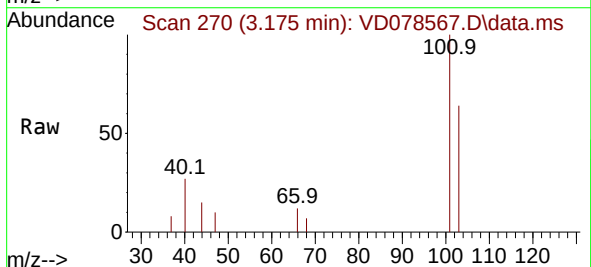
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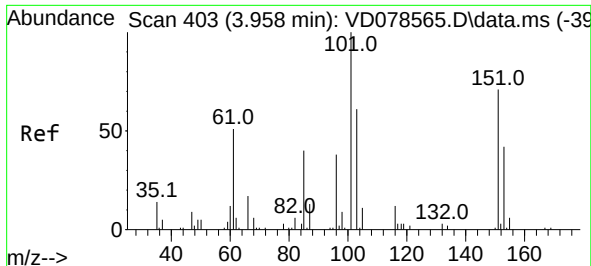
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#9
Trichlorofluoromethane
Concen: 1.136 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:101 Resp: 4636
Ion Ratio Lower Upper
101 100
103 68.9 51.8 77.6





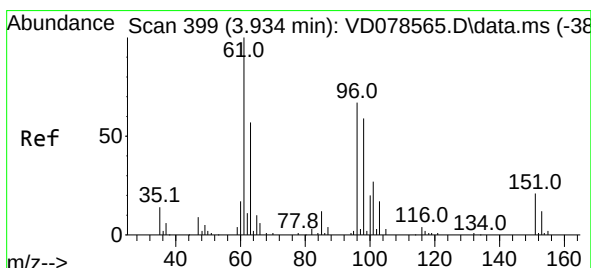
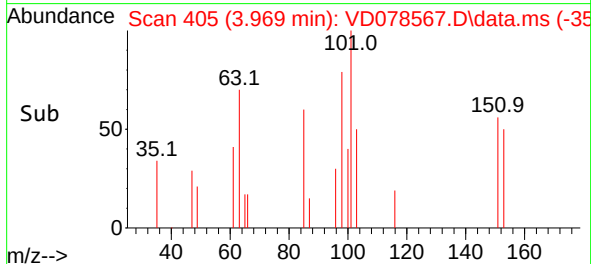
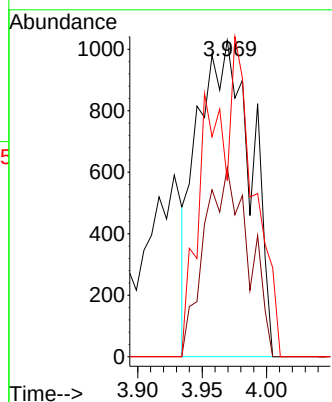
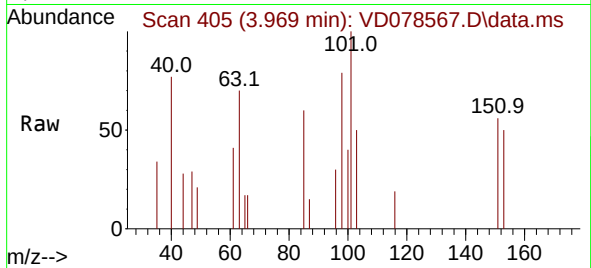
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.110 ug/L m
RT: 3.969 min Scan# 403
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

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Tgt Ion:101 Resp: 2950
Ion Ratio Lower Upper
101 100
85 21.3 36.2 54.2
151 43.3 57.3 85.9

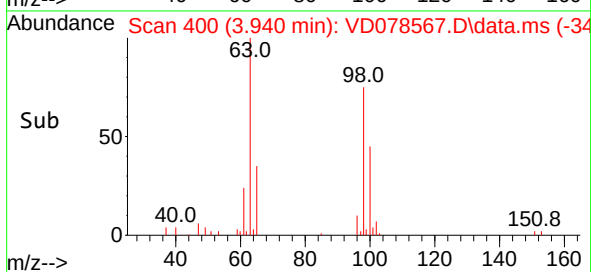
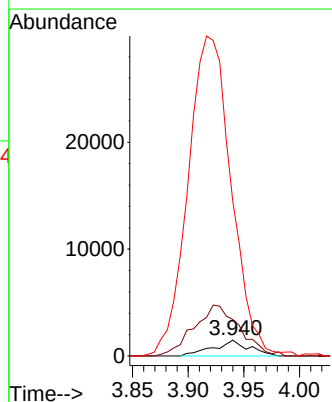
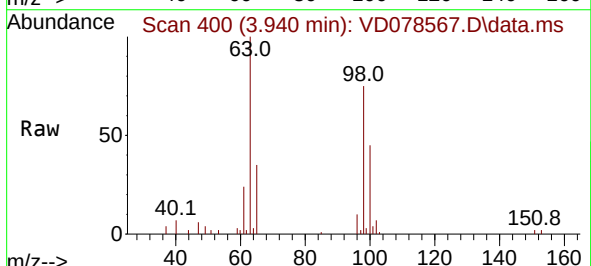
Manual Integrations
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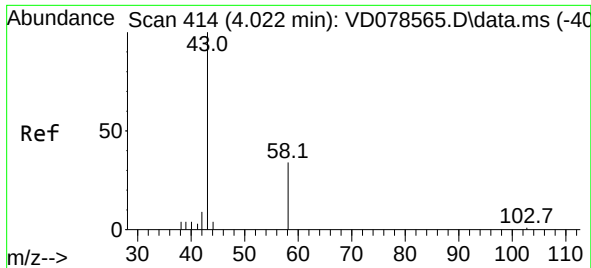
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#12
1,1-Dichloroethene
Concen: 1.451 ug/L m
RT: 3.940 min Scan# 400
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

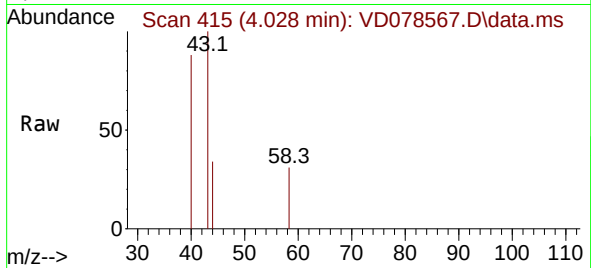
Tgt Ion: 96 Resp: 3305
Ion Ratio Lower Upper
96 100
61 229.7 99.3 184.3#
63 971.4 60.6 112.6#





#13
Acetone
Concen: 2.756 ug/L m
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
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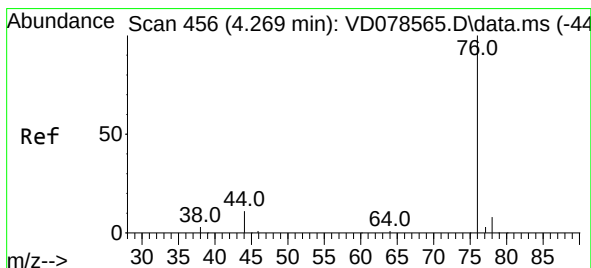
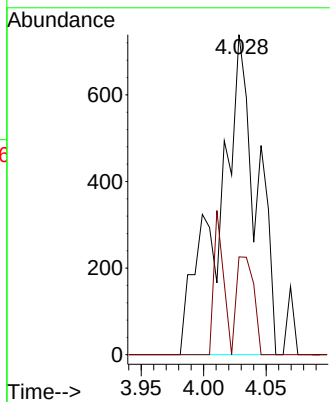
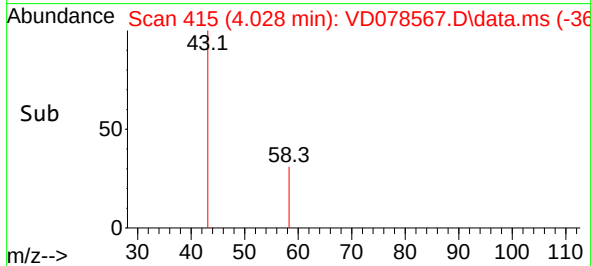
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Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 13.7 0.0 46.2

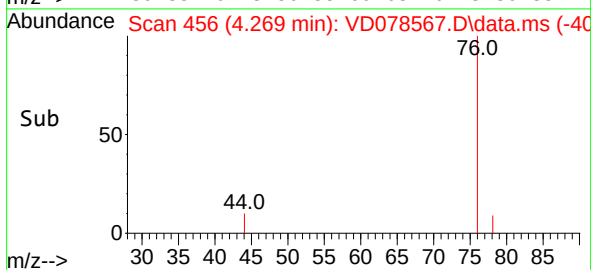
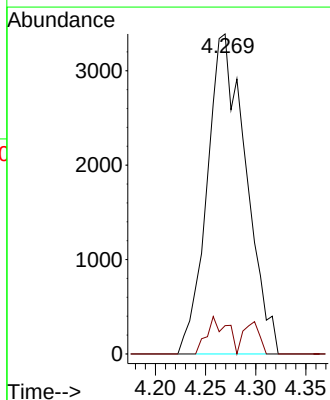
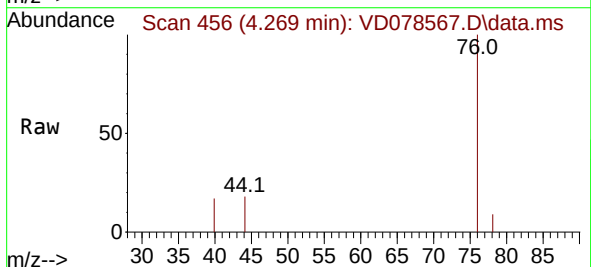
Manual Integrations
APPROVED

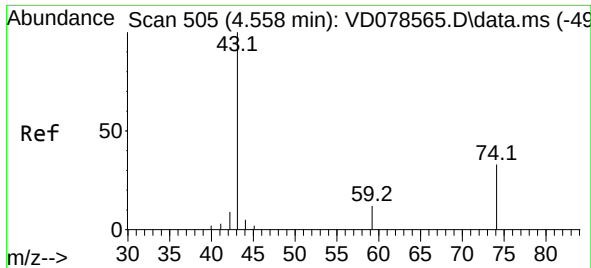
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#14
Carbon disulfide
Concen: 1.193 ug/L
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 76 Resp: 9117
Ion Ratio Lower Upper
76 100
78 8.8 6.9 10.3





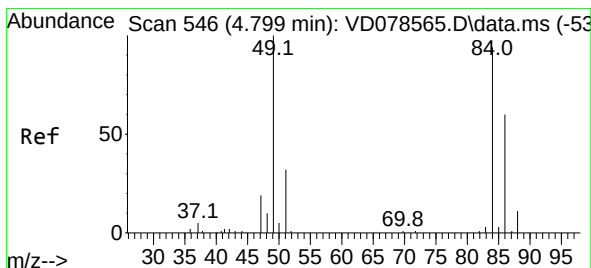
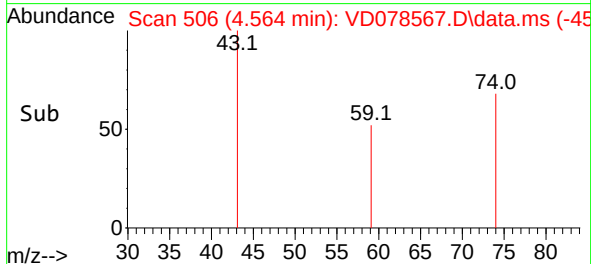
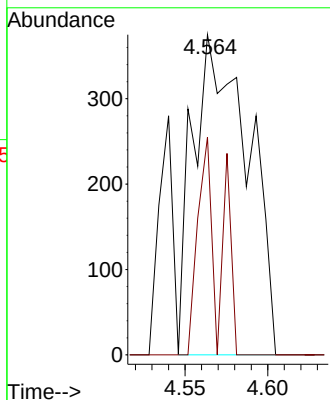
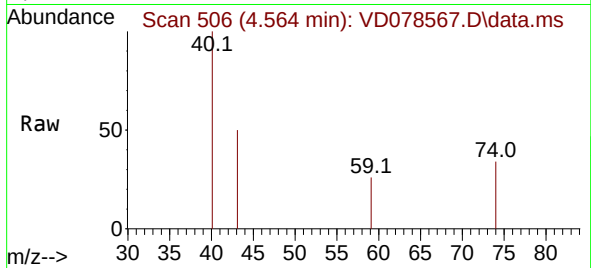
#15
Methyl Acetate
Concen: 1.070 ug/L m
RT: 4.564 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 16.8 23.0 34.6

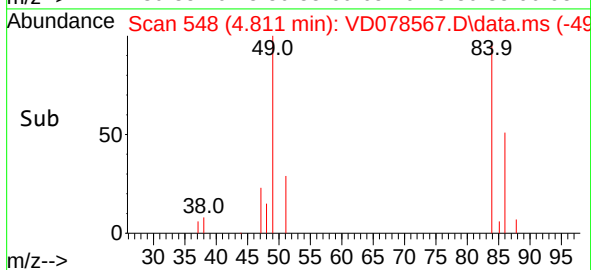
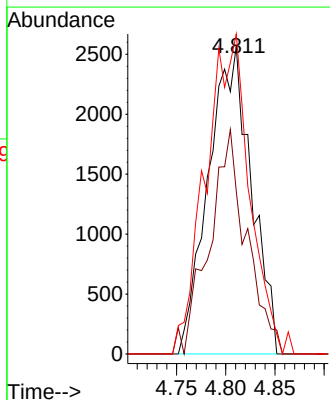
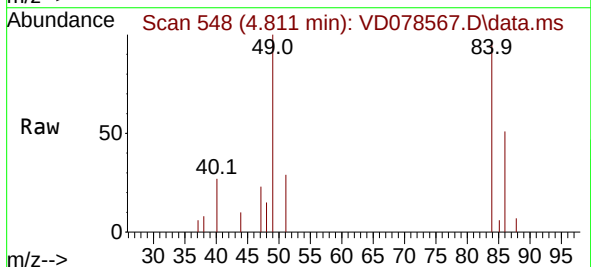
Manual Integrations
APPROVED

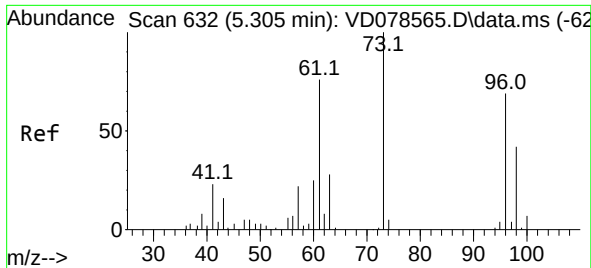
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#16
Methylene chloride
Concen: 2.510 ug/L m
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 84 Resp: 7782
Ion Ratio Lower Upper
84 100
86 52.9 42.6 79.2
49 103.9 64.3 119.3





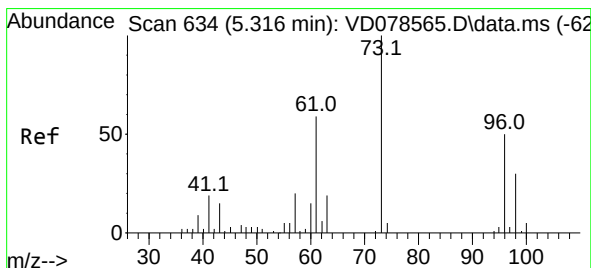
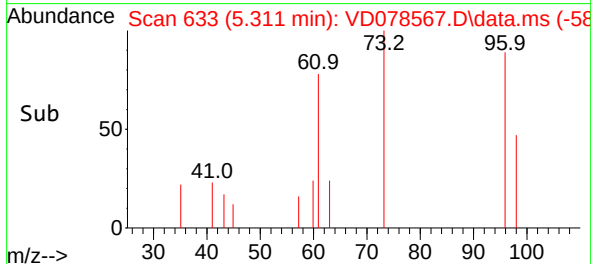
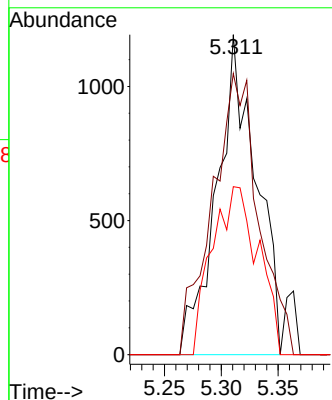
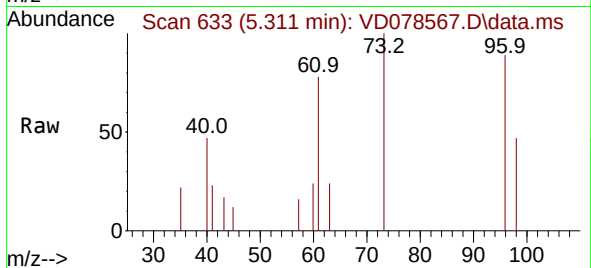
#17
trans-1,2-Dichloroethene
Concen: 1.139 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 96 Resp: 2870
Ion Ratio Lower Upper
96 100
61 87.8 70.9 131.7
98 52.5 42.1 78.1

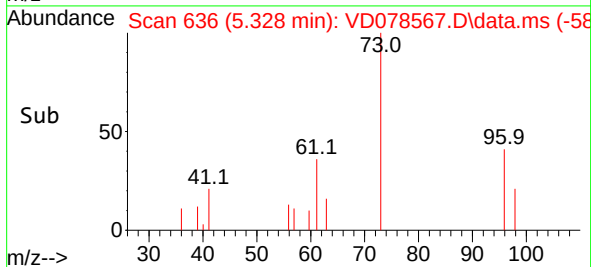
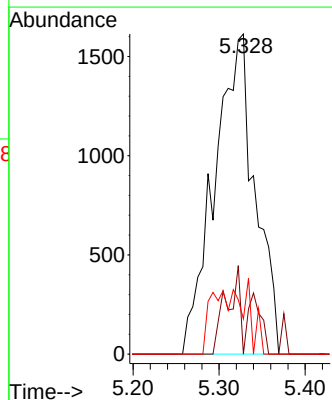
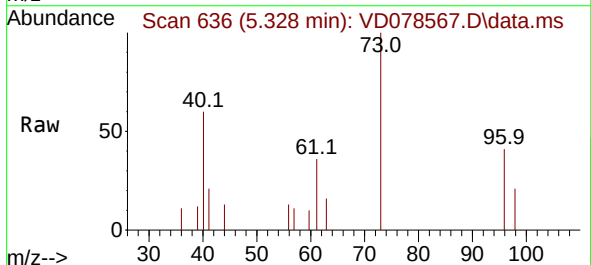
Manual Integrations
APPROVED

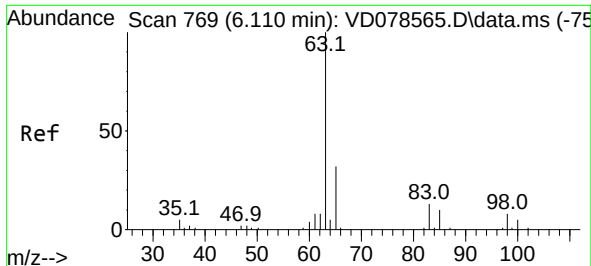
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#18
Methyl tert-butyl Ether
Concen: 1.103 ug/L m
RT: 5.328 min Scan# 636
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 73 Resp: 5281
Ion Ratio Lower Upper
73 100
43 4.7 7.4 11.2#
57 5.2 15.0 22.6#





#19

1,1-Dichloroethane

Concen: 1.279 ug/L m

RT: 6.099 min Scan# 767

Delta R.T. -0.012 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

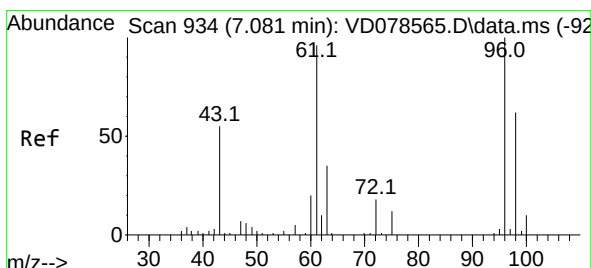
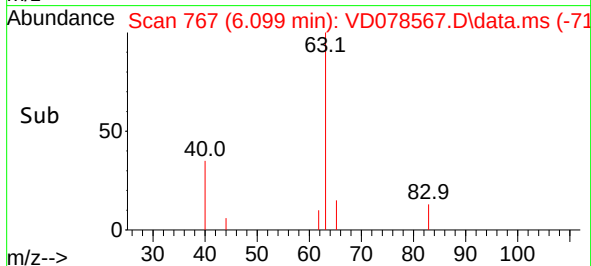
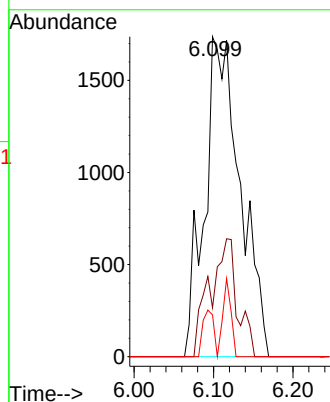
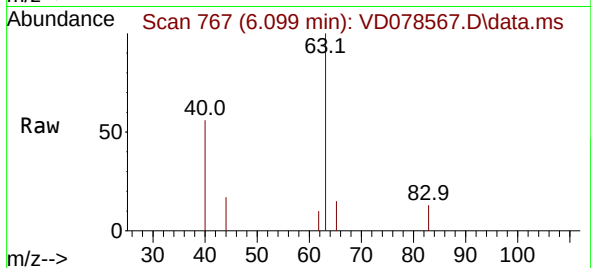
Tgt Ion: 63 Resp: 5409

Ion	Ratio	Lower	Upper
63	100		
65	15.3	22.7	42.3
83	13.1	9.9	18.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#20

cis-1,2-Dichloroethene

Concen: 0.969 ug/L m

RT: 7.075 min Scan# 933

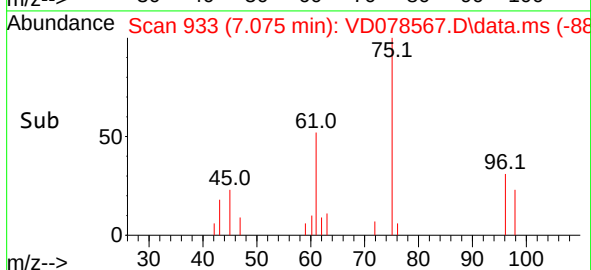
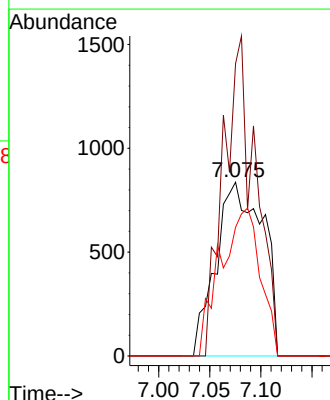
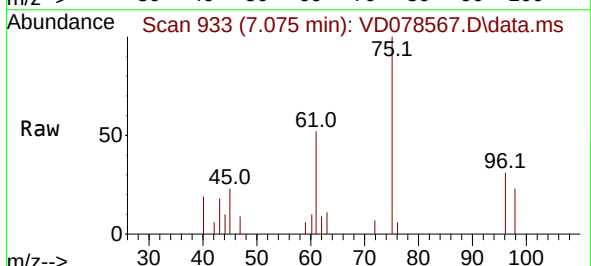
Delta R.T. -0.006 min

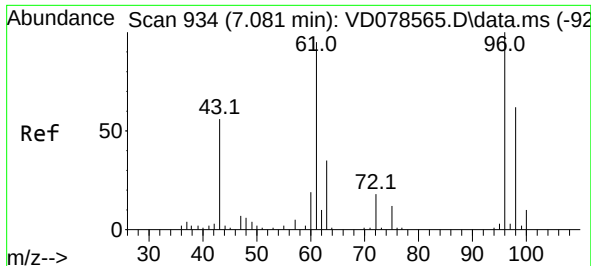
Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Tgt Ion: 96 Resp: 2663

Ion	Ratio	Lower	Upper
96	100		
61	168.2	70.6	131.0
98	74.1	39.8	73.8





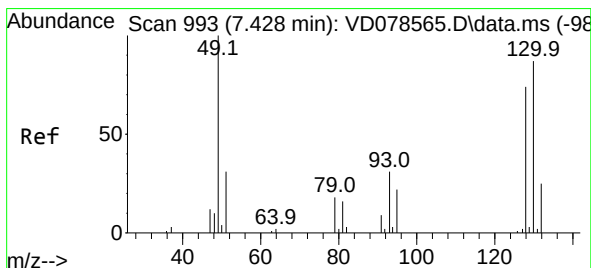
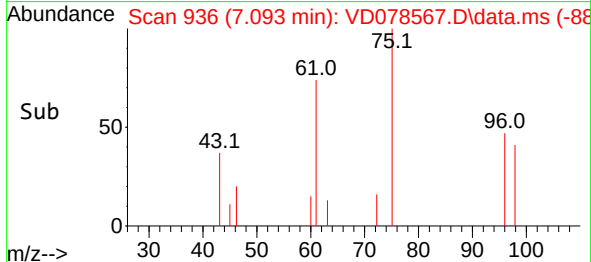
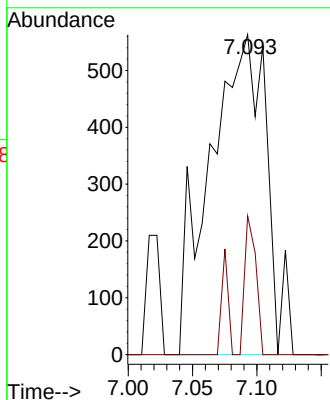
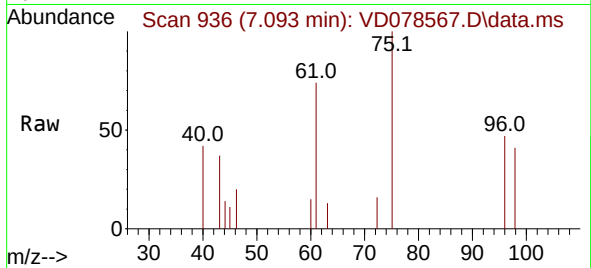
#22
2-Butanone
Concen: 2.539 ug/L m
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
72 8.9 16.1 48.2

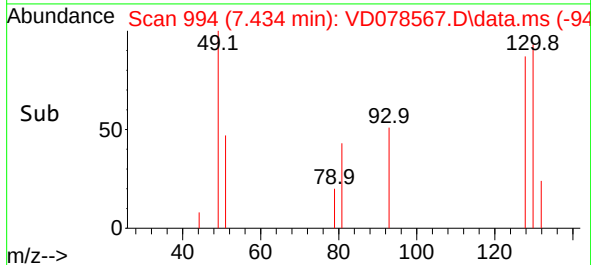
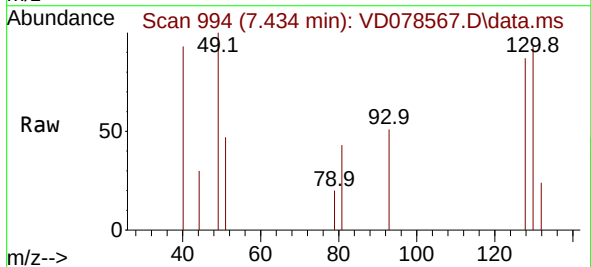
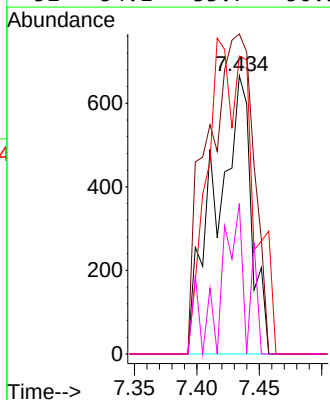
Manual Integrations
APPROVED

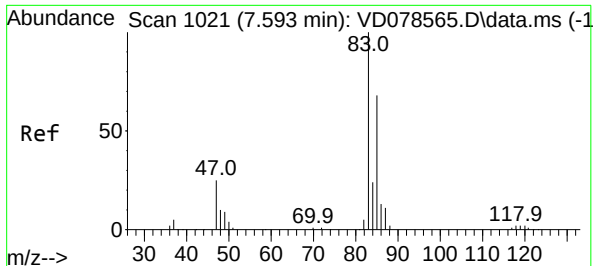
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#23
Bromochloromethane
Concen: 1.081 ug/L m
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:128 Resp: 1320
Ion Ratio Lower Upper
128 100
49 115.0 96.7 179.5
130 107.1 83.2 154.4
51 54.1 33.7 50.5





#25

Chloroform

Concen: 2.674 ug/L

RT: 7.587 min Scan# 1020

Delta R.T. -0.006 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 83 Resp: 12769

Ion Ratio Lower Upper

83 100

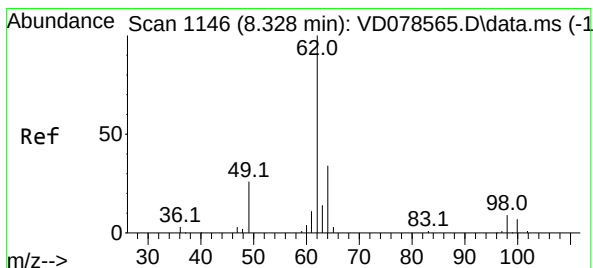
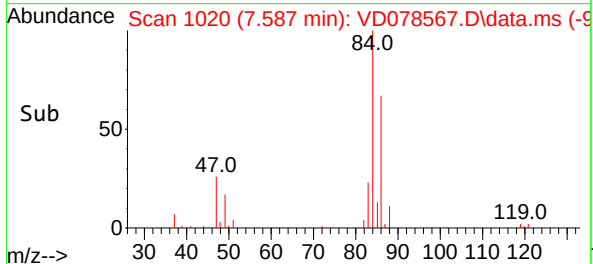
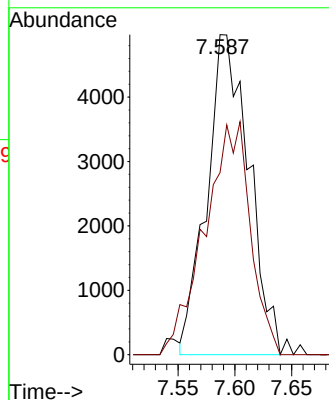
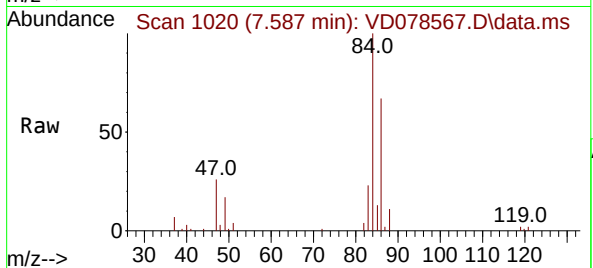
85 56.9 43.0 80.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#27

1,2-Dichloroethane

Concen: 1.194 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD078567.D

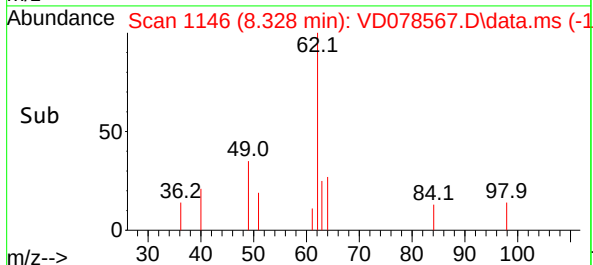
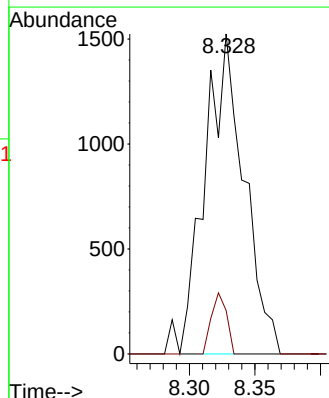
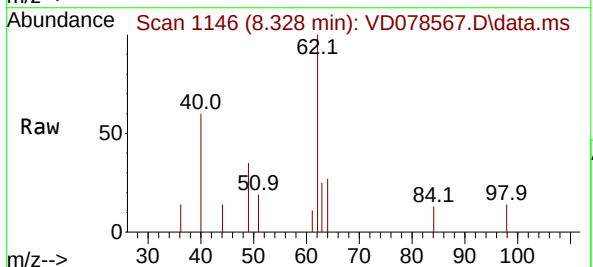
Acq: 28 Feb 2024 14:58

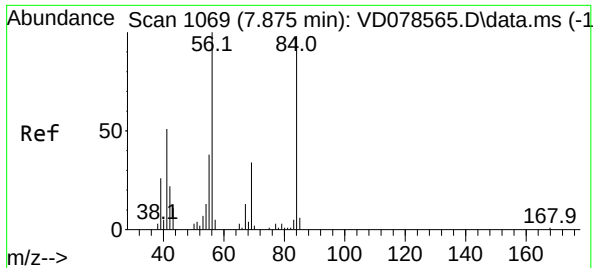
Tgt Ion: 62 Resp: 3142

Ion Ratio Lower Upper

62 100

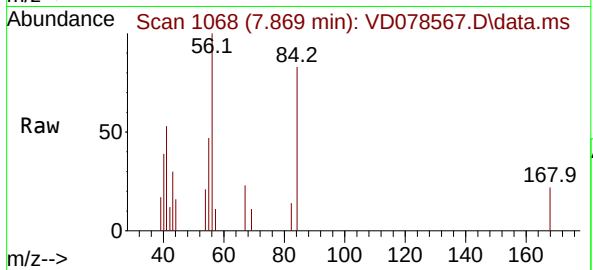
98 13.6 8.1 12.1#





#29
Cyclohexane
Concen: 1.078 ug/L m
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

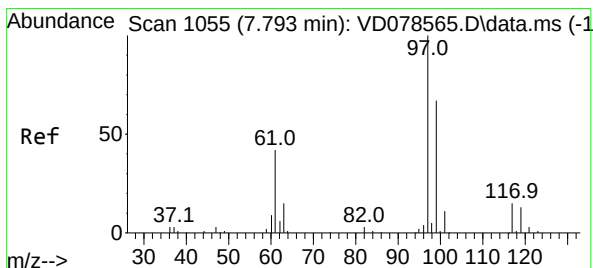
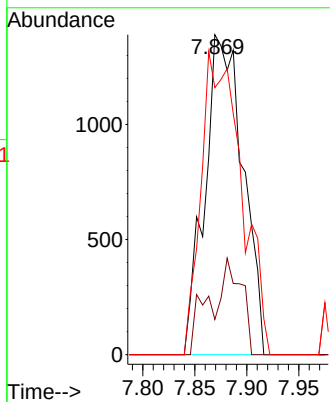
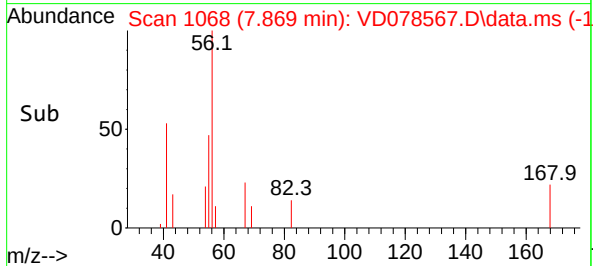
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02



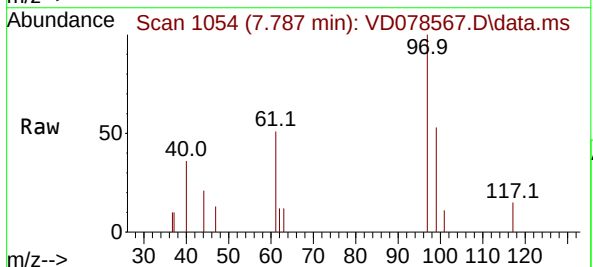
Tgt Ion: 56 Resp: 3549
Ion Ratio Lower Upper
56 100
69 6.6 25.2 37.8
84 40.0 80.1 120.1

Manual Integrations
APPROVED

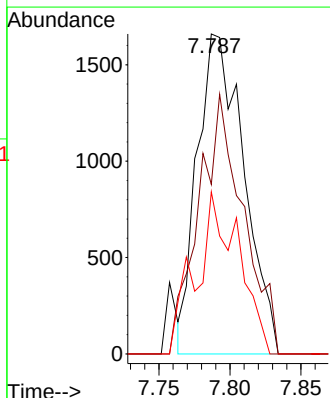
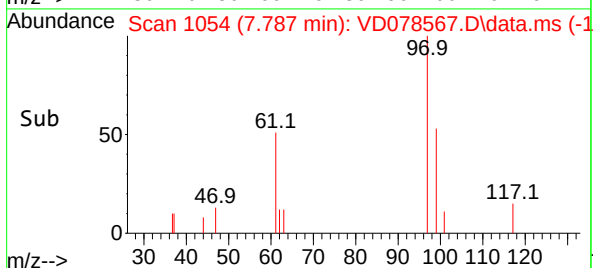
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

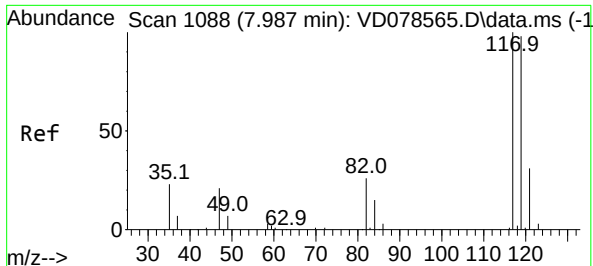


#30
1,1,1-Trichloroethane
Concen: 0.966 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58



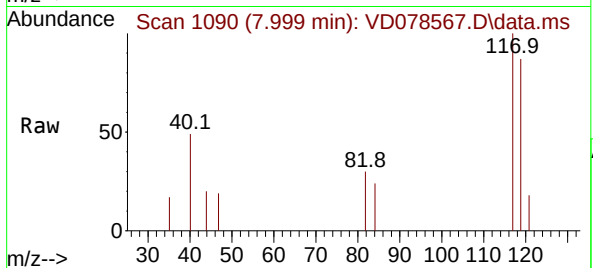
Tgt Ion: 97 Resp: 3781
Ion Ratio Lower Upper
97 100
99 77.7 52.3 78.5
61 22.0 33.6 50.4





#31
Carbon tetrachloride
Concen: 0.967 ug/L m
RT: 7.999 min Scan# 1109
Delta R.T. 0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

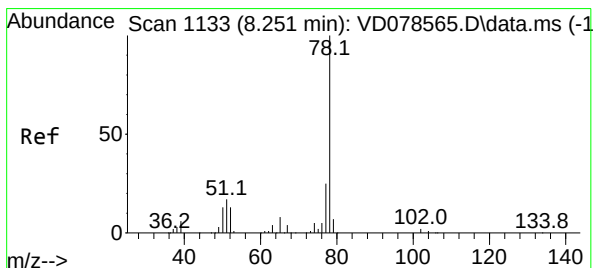
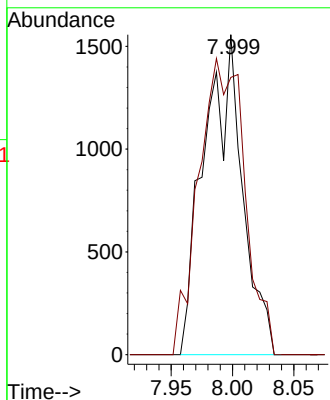
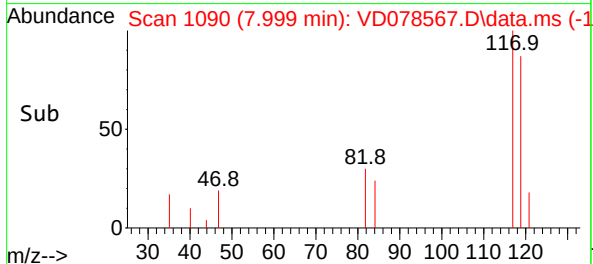
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02



Tgt Ion:117 Resp: 3370
Ion Ratio Lower Upper
117 100
119 65.2 76.2 114.2

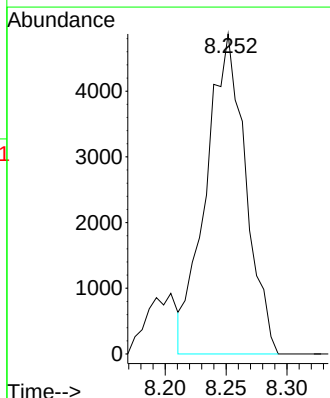
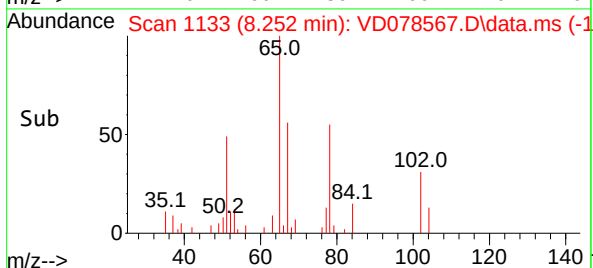
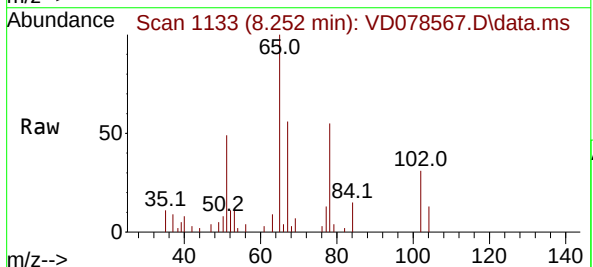
Manual Integrations
APPROVED

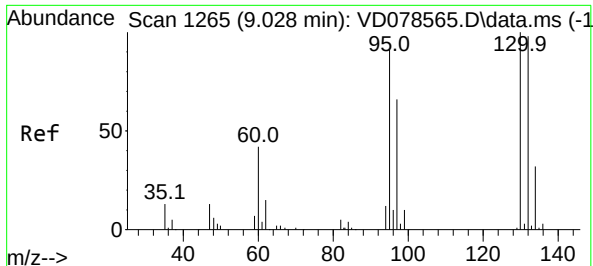
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#33
Benzene
Concen: 1.074 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

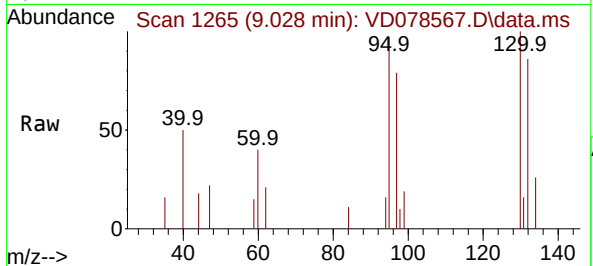
Tgt Ion: 78 Resp: 11000





#34
Trichloroethene
Concen: 1.136 ug/L
RT: 9.028 min Scan# 1308
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

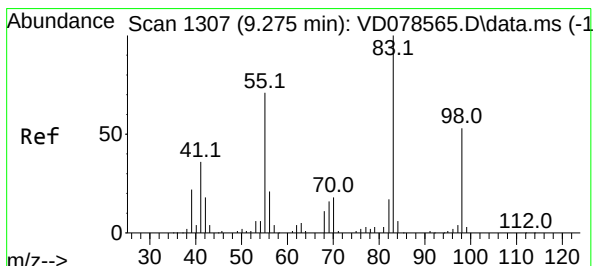
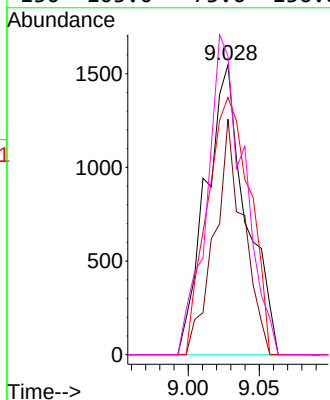
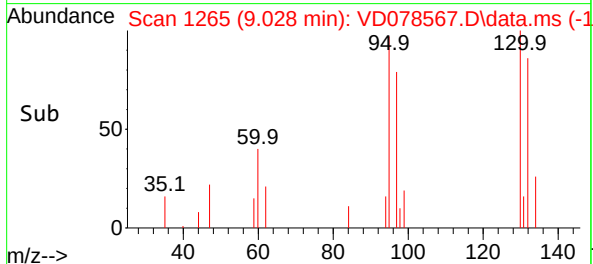
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02



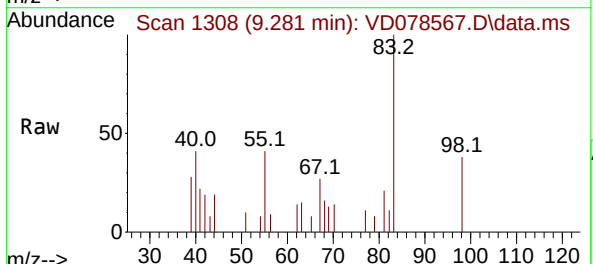
Tgt Ion: 95 Resp: 3029
Ion Ratio Lower Upper
95 100
97 81.3 44.9 83.5
132 88.8 67.9 126.1
130 103.0 73.6 136.8

Manual Integrations
APPROVED

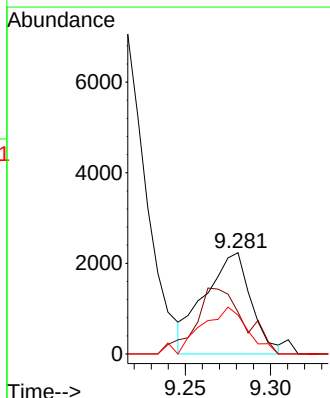
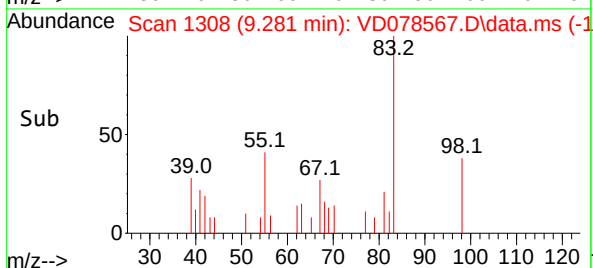
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

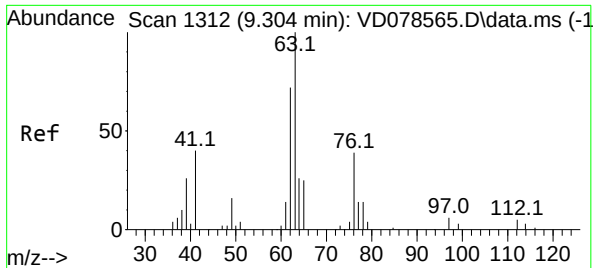


#35
Methylcyclohexane
Concen: 0.982 ug/L
RT: 9.281 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58



Tgt Ion: 83 Resp: 4219
Ion Ratio Lower Upper
83 100
55 68.5 52.2 78.2
98 44.3 40.5 60.7





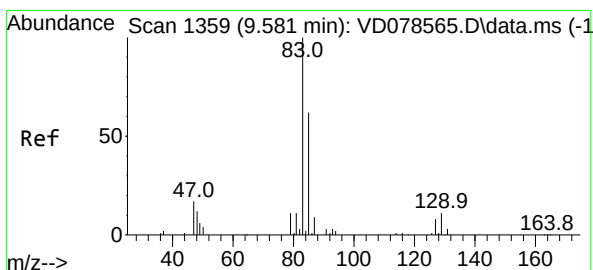
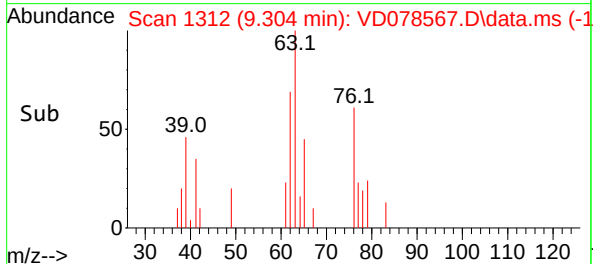
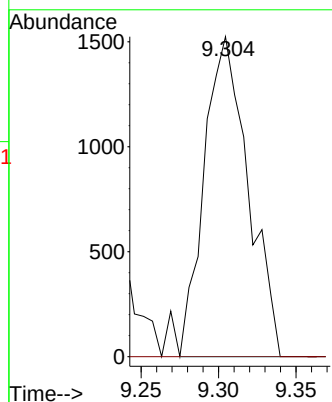
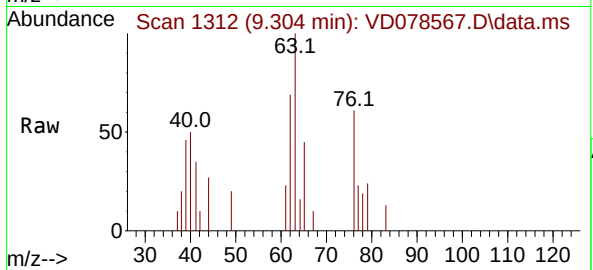
#37
1,2-Dichloropropane
Concen: 1.193 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02

Tgt Ion: 63 Resp: 300
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6

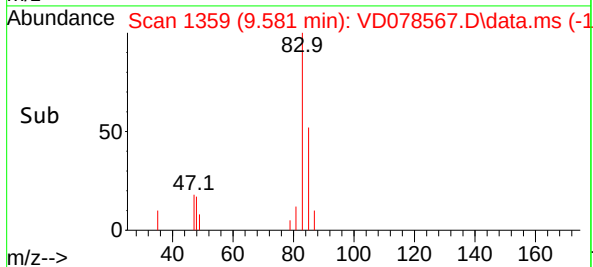
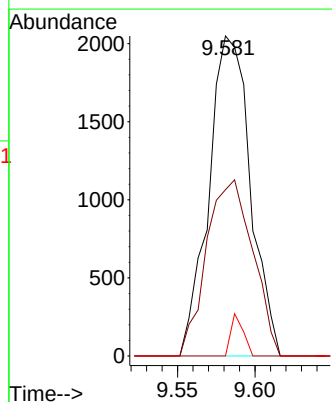
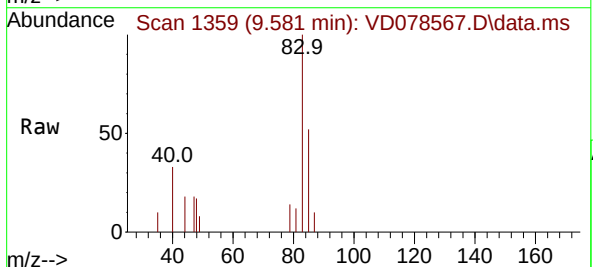
Manual Integrations
APPROVED

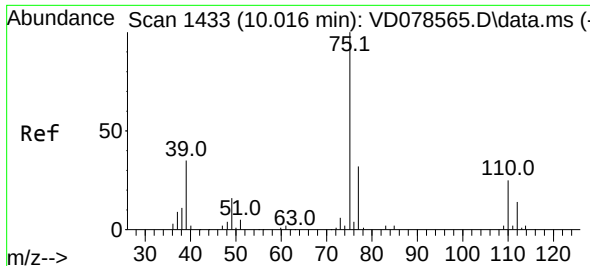
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#38
Bromodichloromethane
Concen: 1.114 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 83 Resp: 3828
Ion Ratio Lower Upper
83 100
85 52.0 44.0 81.8
127 0.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.953 ug/L

RT: 10.010 min Scan# 1433

Delta R.T. -0.006 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 75 Resp: 373

Ion Ratio Lower Upper

75 100

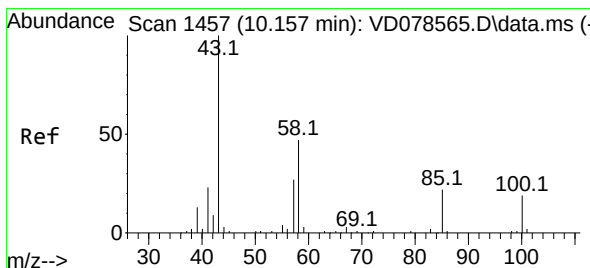
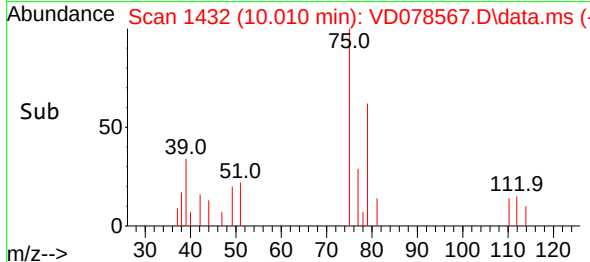
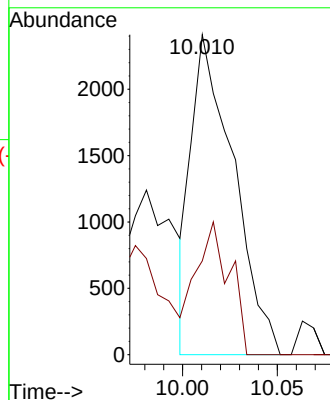
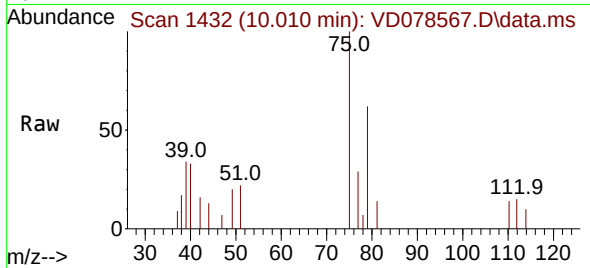
77 29.3 23.7 43.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#40

4-Methyl-2-pentanone

Concen: 1.937 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

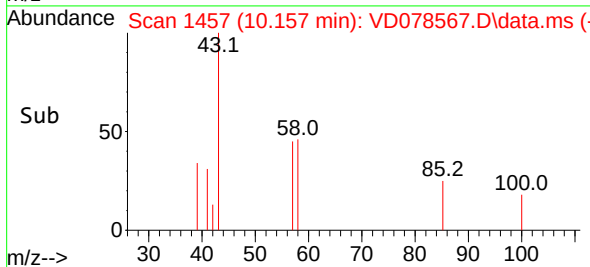
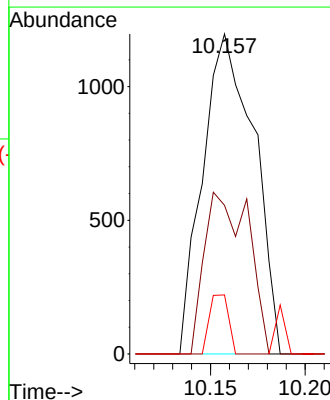
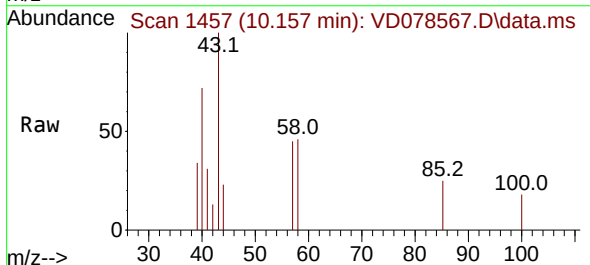
Tgt Ion: 43 Resp: 2251

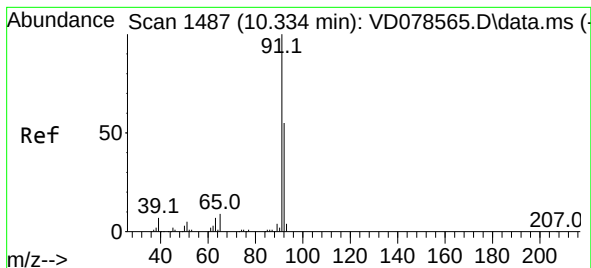
Ion Ratio Lower Upper

43 100

58 30.4 36.2 54.2#

100 6.9 15.6 23.4#





#42

Toluene

Concen: 1.004 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

Tgt Ion: 91 Resp: 1126

Ion Ratio Lower Upper

91 100

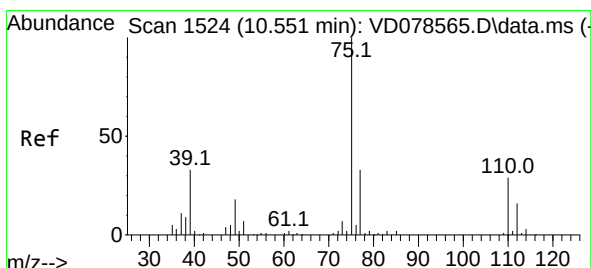
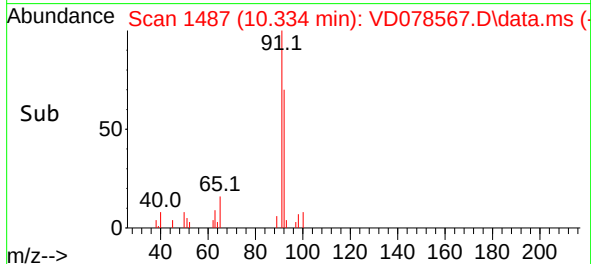
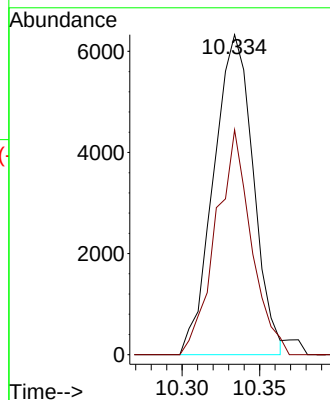
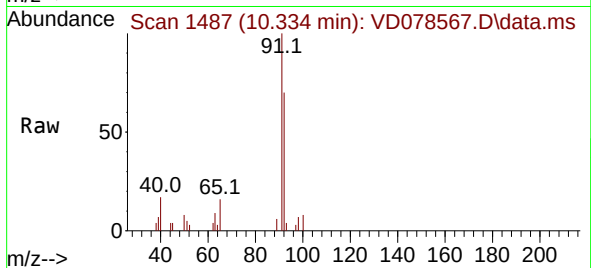
92 70.3 40.0 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#44

trans-1,3-Dichloropropene

Concen: 1.190 ug/L m

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078567.D

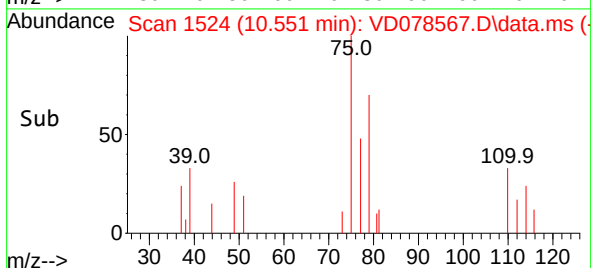
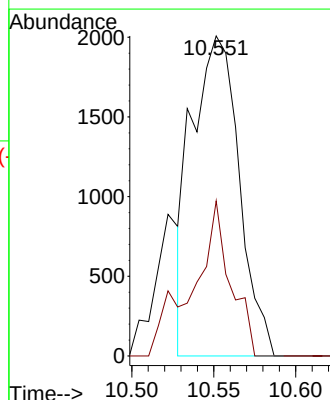
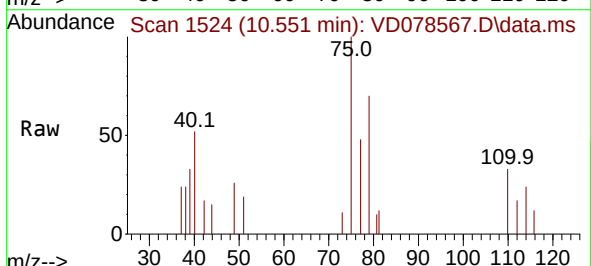
Acq: 28 Feb 2024 14:58

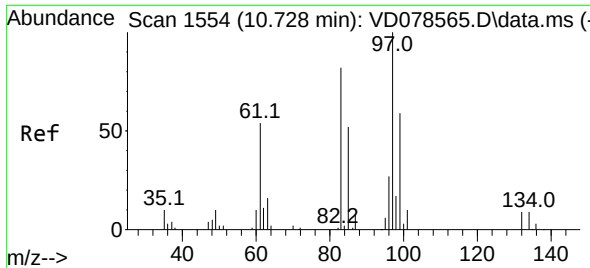
Tgt Ion: 75 Resp: 4021

Ion Ratio Lower Upper

75 100

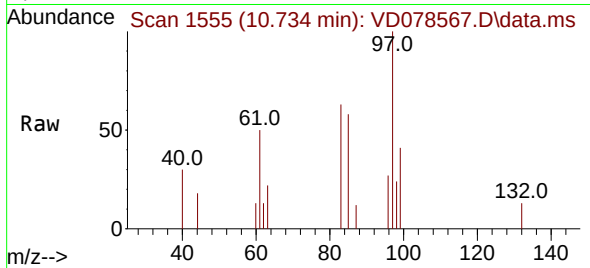
77 48.5 22.7 42.3#





#45
1,1,2-Trichloroethane
Concen: 1.120 ug/L
RT: 10.734 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

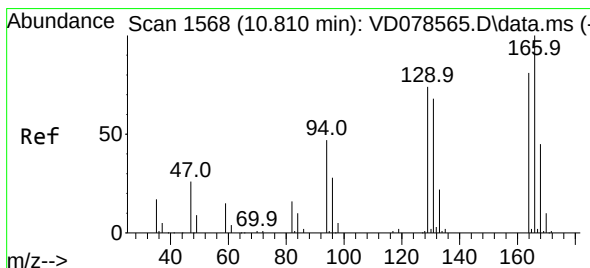
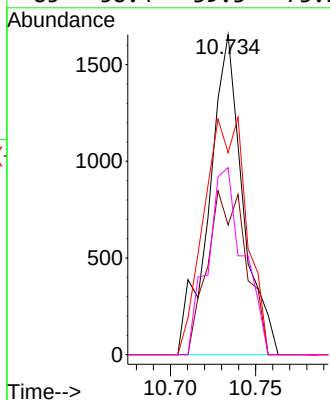
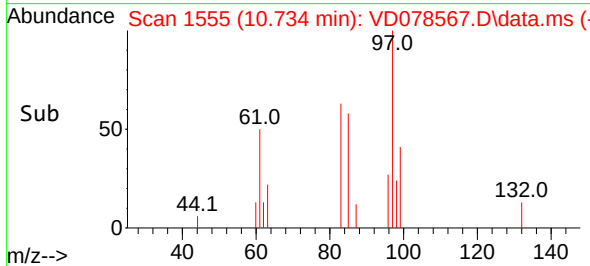
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02



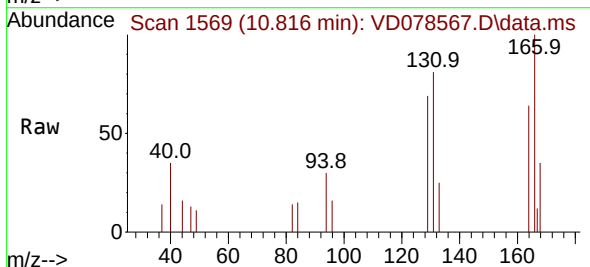
Tgt Ion:	97	Resp:	2284
Ion	Ratio	Lower	Upper
97	100		
99	40.5	41.1	76.3
83	63.1	57.5	106.7
85	58.4	39.3	73.1

Manual Integrations
APPROVED

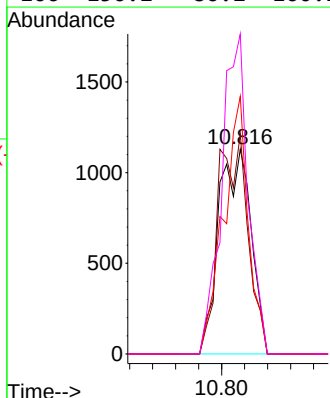
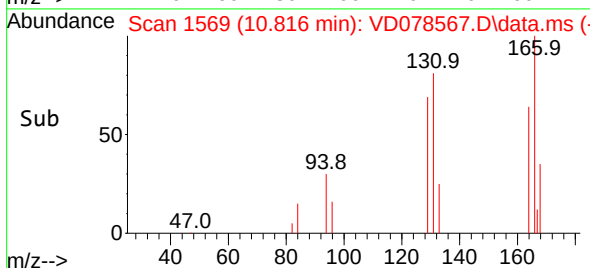
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

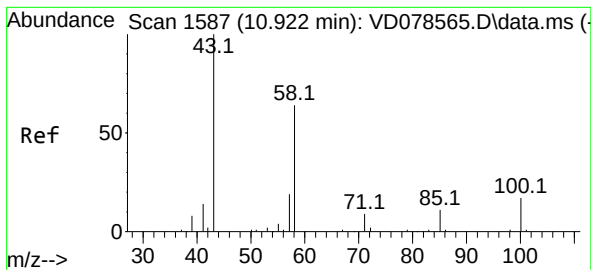


#46
Tetrachloroethene
Concen: 1.006 ug/L m
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58



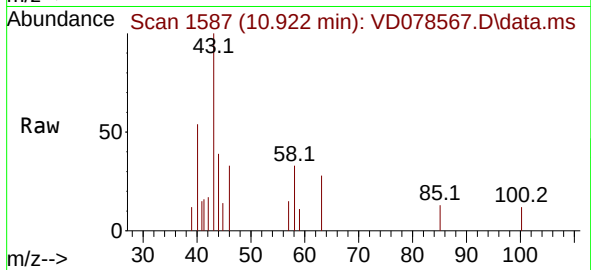
Tgt Ion:	164	Resp:	2202
Ion	Ratio	Lower	Upper
164	100		
129	107.4	60.9	113.1
131	125.8	58.9	109.3
166	156.2	86.2	160.2





#48
2-Hexanone
Concen: 2.399 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

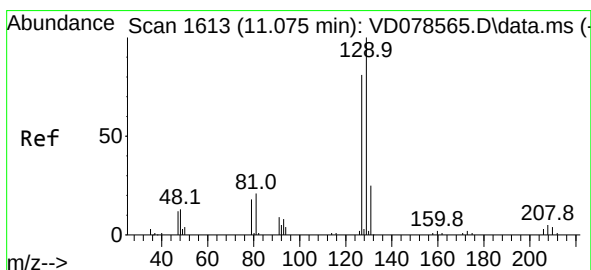
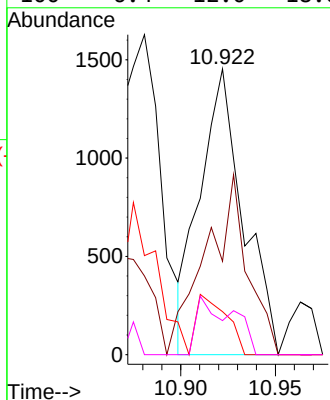
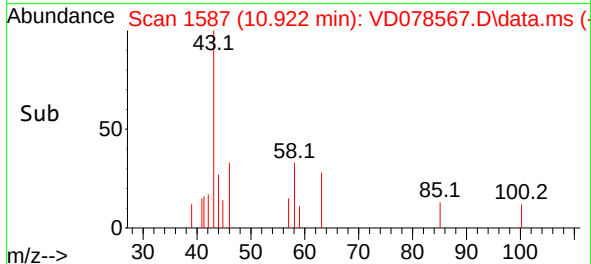
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02



Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
58 28.4 48.7 73.1
57 0.0 15.6 23.4
100 6.4 12.0 18.0

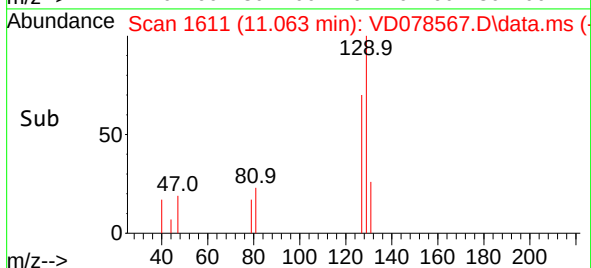
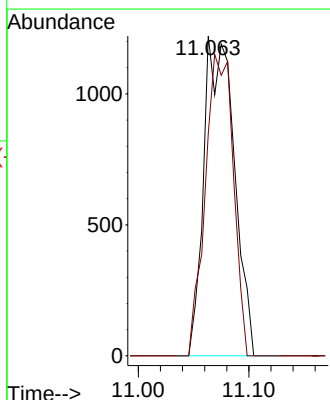
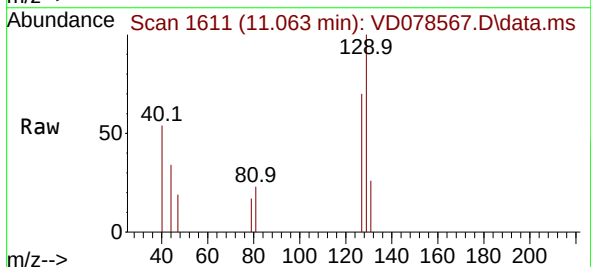
Manual Integrations
APPROVED

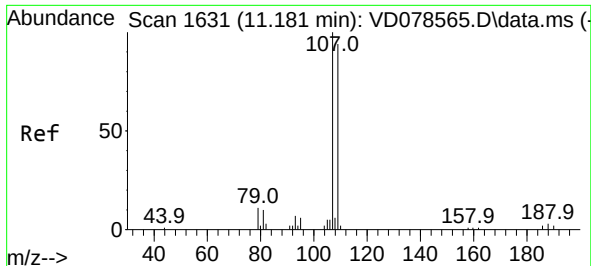
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#49
Dibromochloromethane
Concen: 0.971 ug/L m
RT: 11.063 min Scan# 1611
Delta R.T. -0.012 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

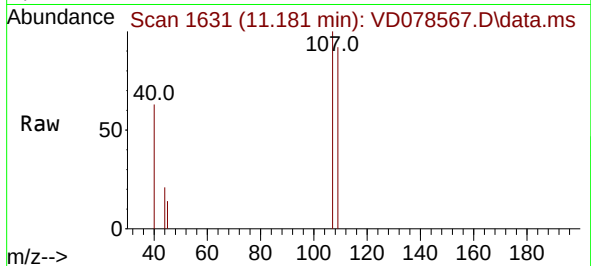
Tgt Ion:129 Resp: 2326
Ion Ratio Lower Upper
129 100
127 69.5 55.5 103.1





#50
1,2-Dibromoethane
Concen: 1.156 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

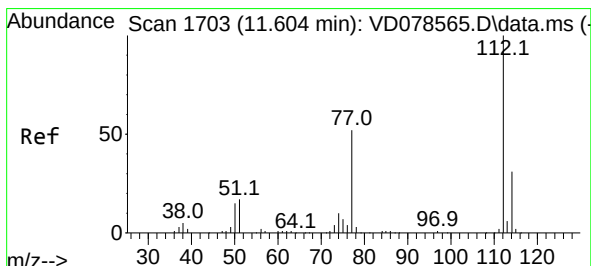
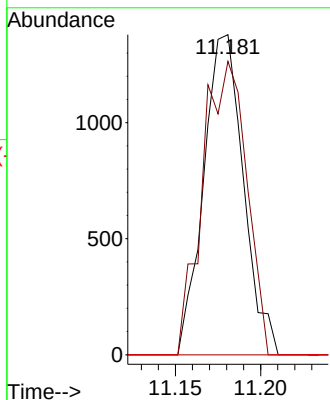
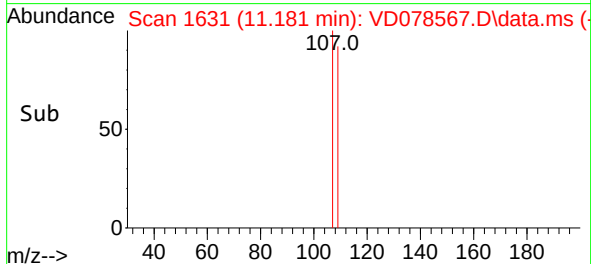
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02



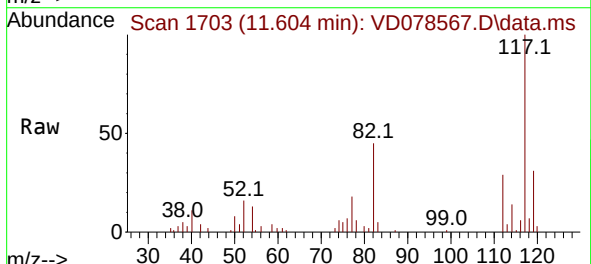
Tgt Ion:107 Resp: 224
Ion Ratio Lower Upper
107 100
109 91.7 60.4 112.2
188 0.0 3.0 4.6

Manual Integrations
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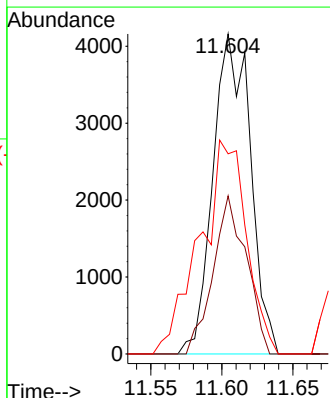
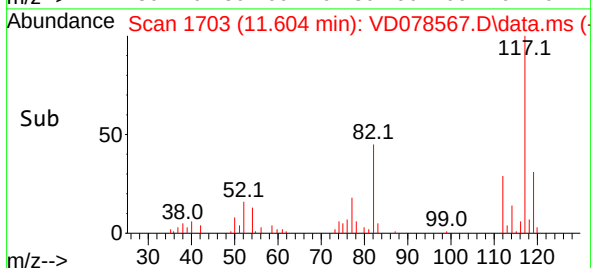
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

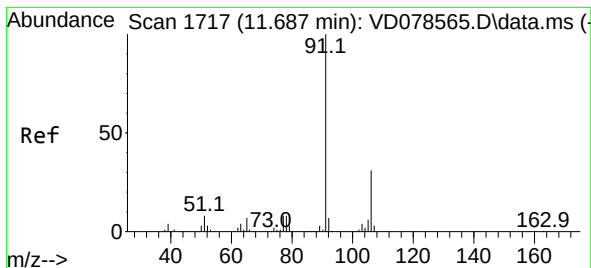


#51
Chlorobenzene
Concen: 1.028 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58



Tgt Ion:112 Resp: 7604
Ion Ratio Lower Upper
112 100
114 49.4 21.6 40.0#
77 62.6 42.0 63.0





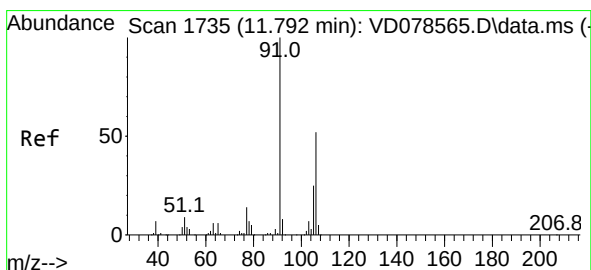
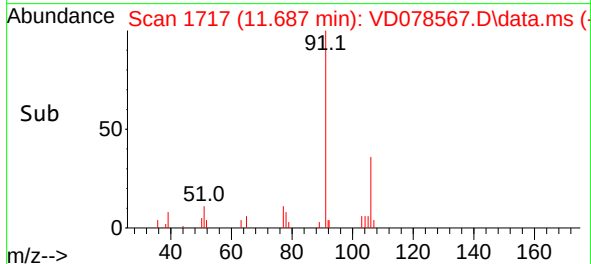
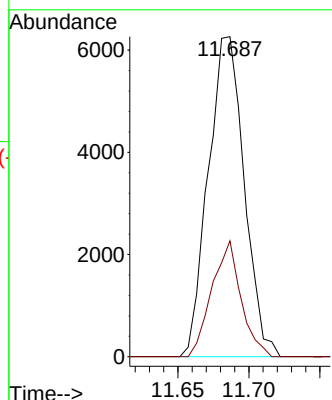
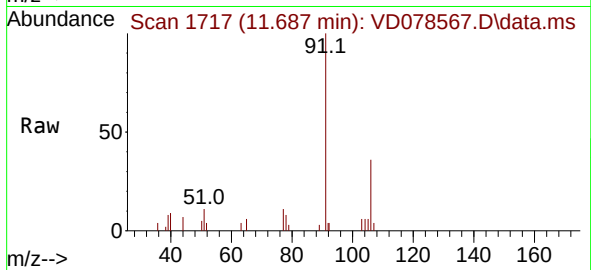
#52
Ethylbenzene
Concen: 0.905 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion: 91 Resp: 11035
Ion Ratio Lower Upper
91 100
106 36.2 21.8 40.4

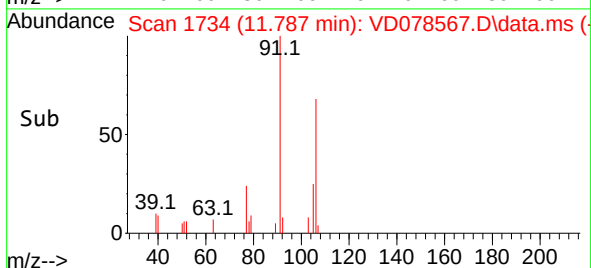
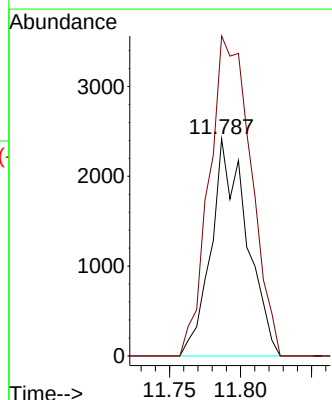
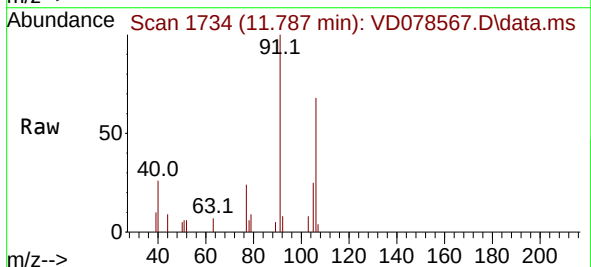
Manual Integrations
APPROVED

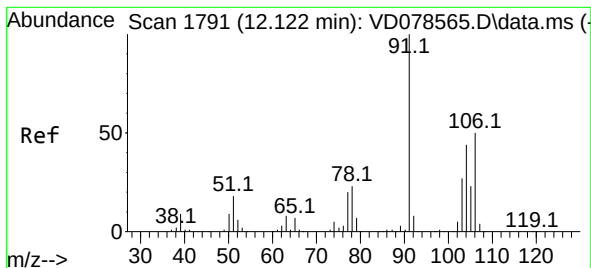
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#53
m,p-Xylene
Concen: 0.896 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:106 Resp: 4217
Ion Ratio Lower Upper
106 100
91 147.4 138.2 256.6





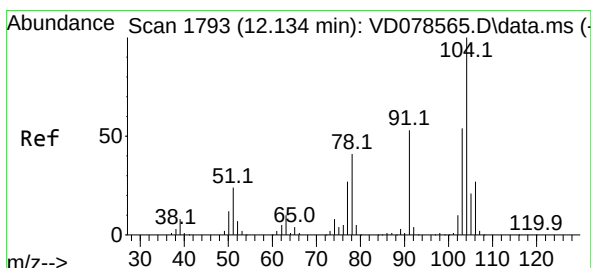
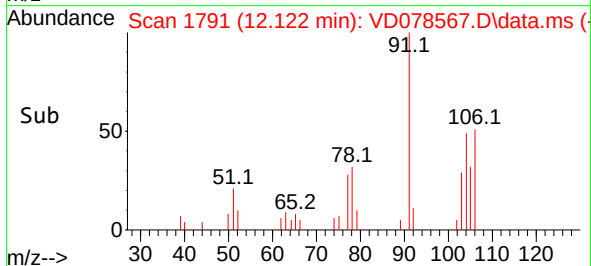
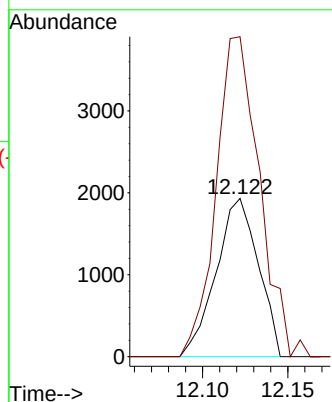
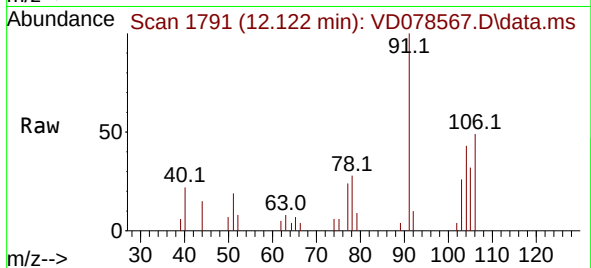
#54
o-Xylene
Concen: 0.729 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion:106 Resp: 333
Ion Ratio Lower Upper
106 100
91 202.2 140.2 260.4

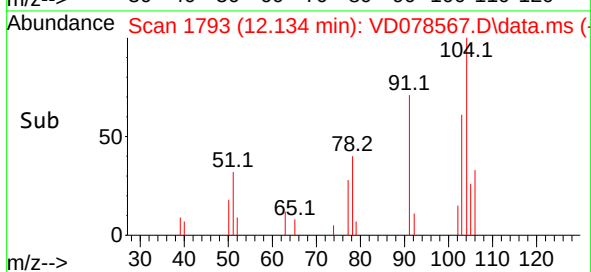
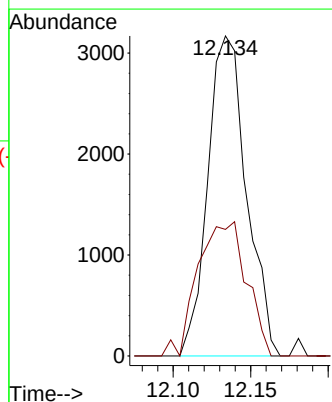
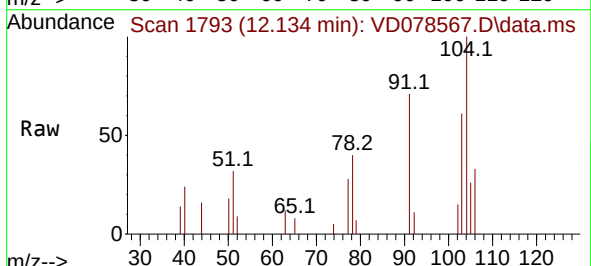
Manual Integrations
APPROVED

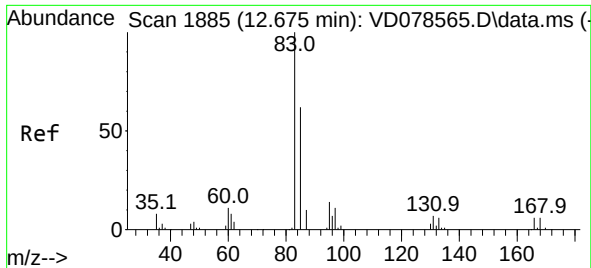
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#55
Styrene
Concen: 0.680 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

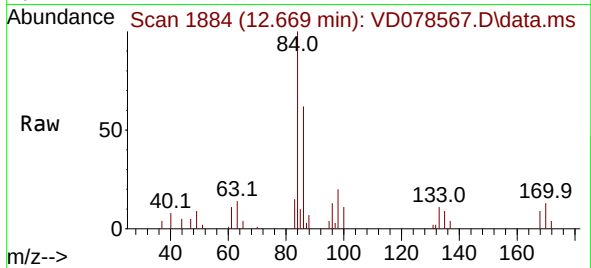
Tgt Ion:104 Resp: 5515
Ion Ratio Lower Upper
104 100
78 39.6 27.9 51.9





#57
1,1,2,2-Tetrachloroethane
Concen: 1.313 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

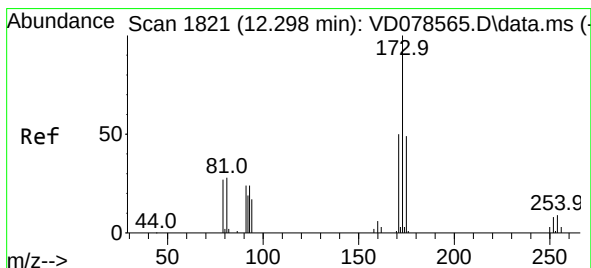
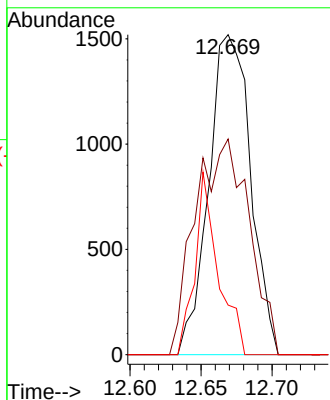
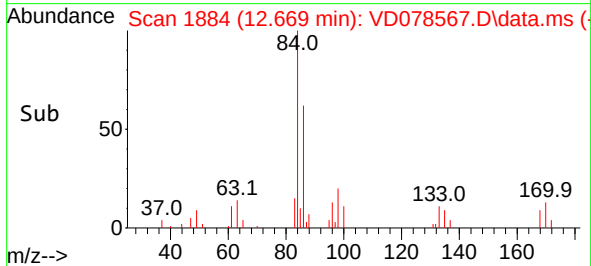
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02



Tgt Ion: 83 Resp: 3118
Ion Ratio Lower Upper
83 100
85 67.4 43.1 80.1
131 15.5 7.4 11.0

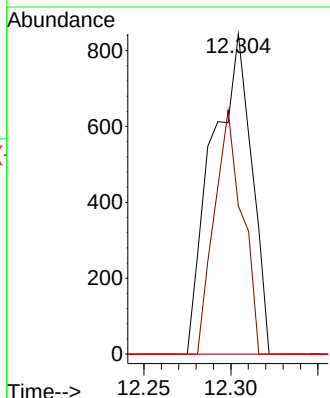
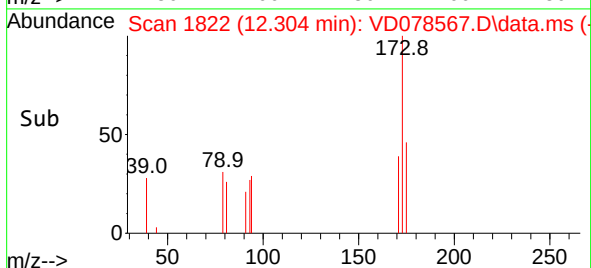
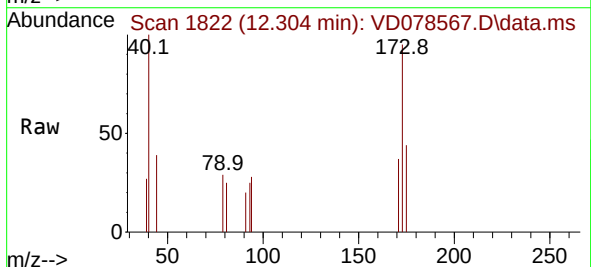
Manual Integrations
APPROVED

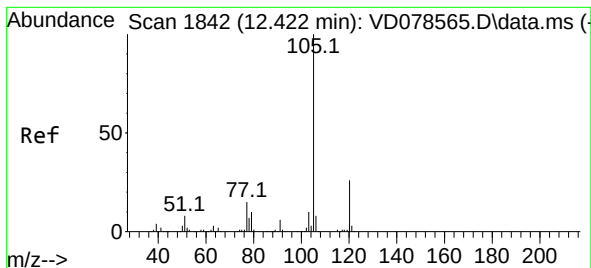
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#59
Bromoform
Concen: 1.082 ug/L m
RT: 12.304 min Scan# 1822
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:173 Resp: 1336
Ion Ratio Lower Upper
173 100
175 53.9 39.0 58.4
254 0.0 7.4 11.0





#60

Isopropylbenzene

Concen: 0.876 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2024-02

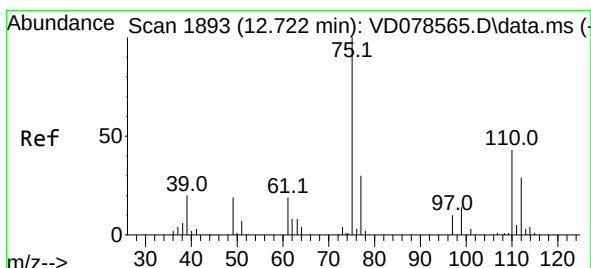
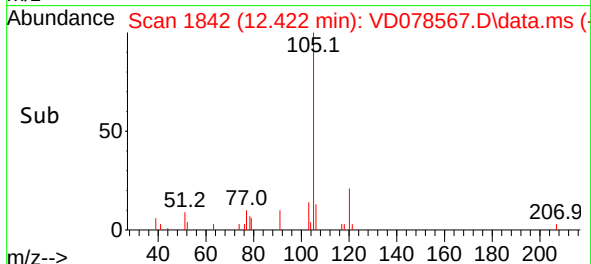
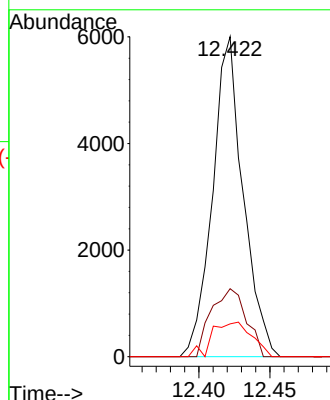
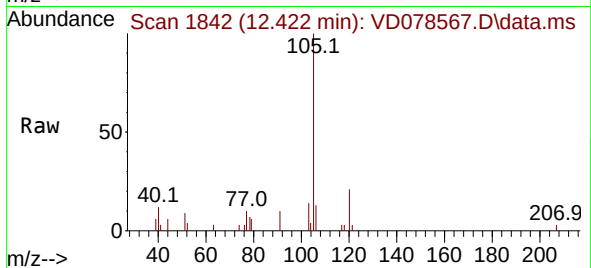
Tgt Ion:	105	Resp:	898
Ion Ratio	Lower	Upper	
105	100		
120	24.4	21.8	32.6
77	8.9	11.8	17.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024

Supervised By :Mahesh Dadoda 02/29/2024



#61

1,2,3-Trichloropropane

Concen: 1.338 ug/L

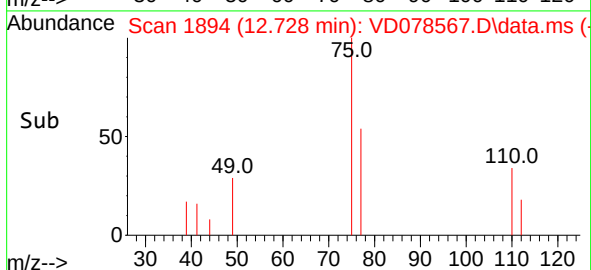
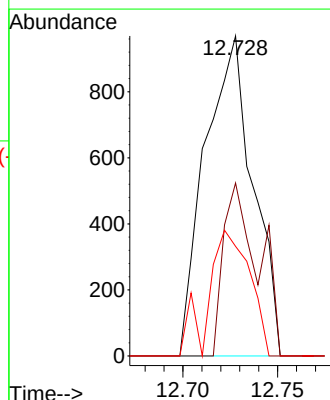
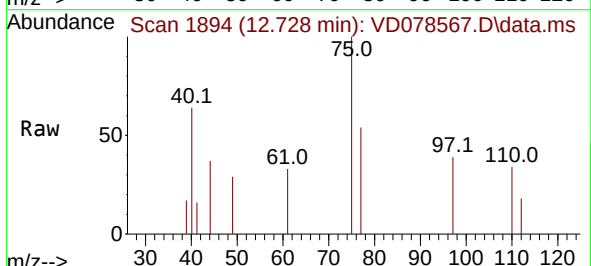
RT: 12.728 min Scan# 1894

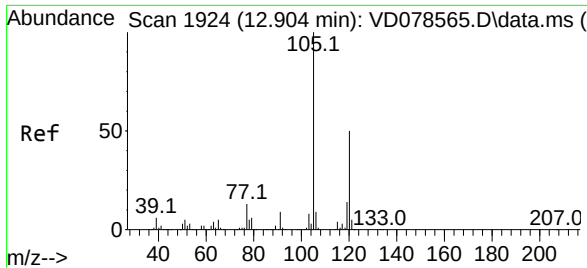
Delta R.T. 0.006 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

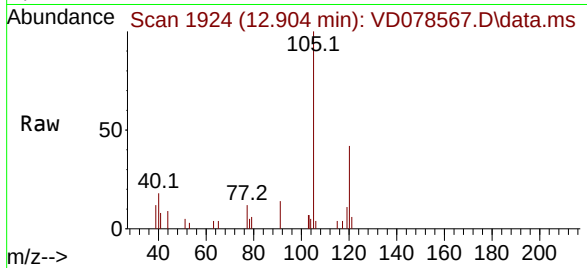
Tgt Ion:	75	Resp:	1704
Ion Ratio	Lower	Upper	
75	100		
77	30.9	26.3	39.5
110	30.1	33.3	49.9





#62
1,3,5-Trimethylbenzene
Concen: 0.876 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

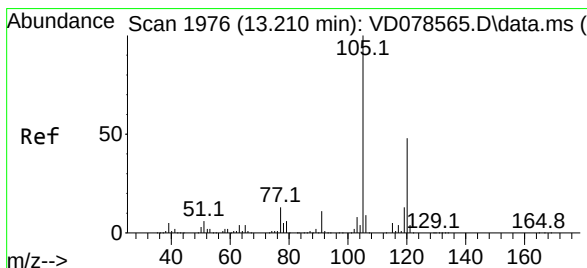
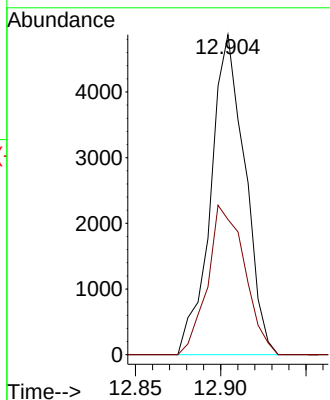
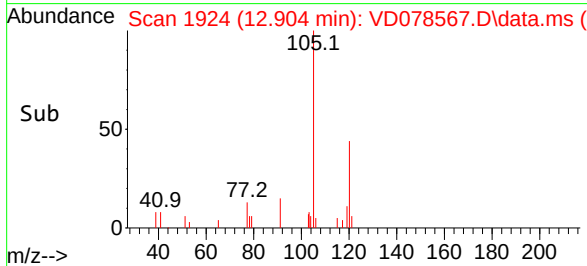
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02



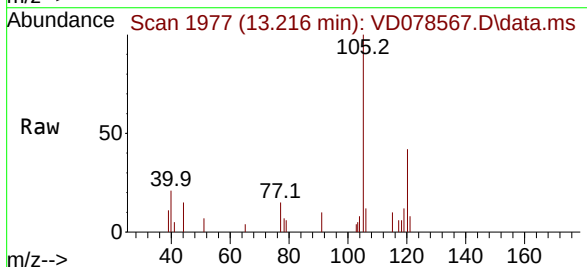
Tgt Ion:105 Resp: 682
Ion Ratio Lower Upper
105 100
120 50.4 40.2 60.4

Manual Integrations
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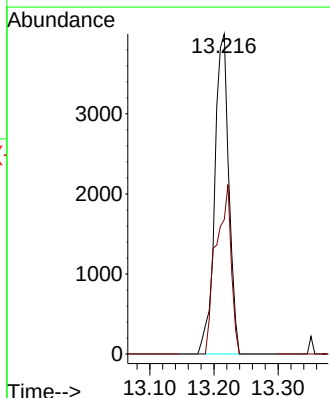
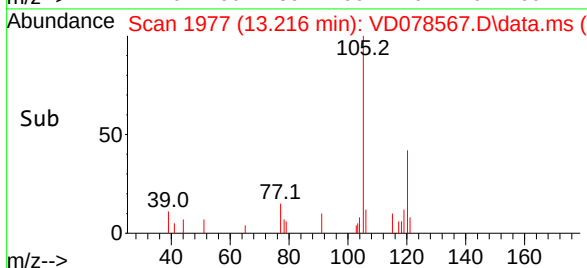
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024

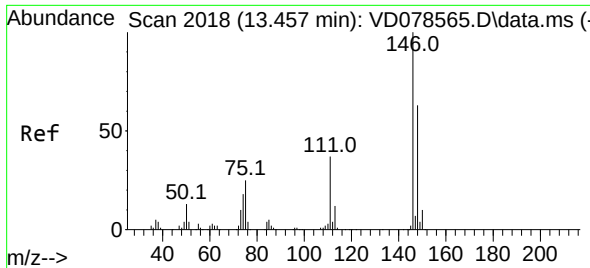


#63
1,2,4-Trimethylbenzene
Concen: 0.799 ug/L m
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58



Tgt Ion:105 Resp: 6106
Ion Ratio Lower Upper
105 100
120 56.3 37.3 55.9#





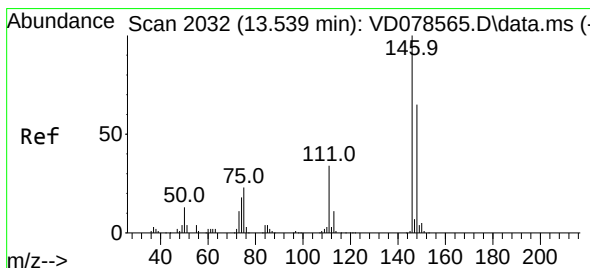
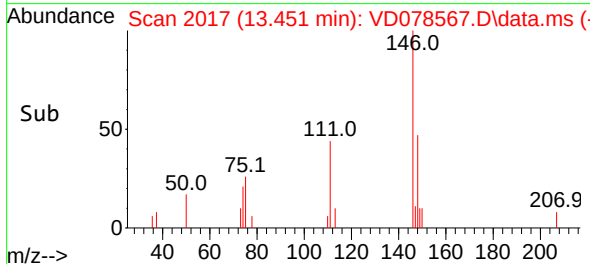
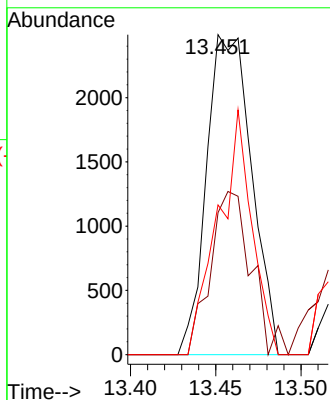
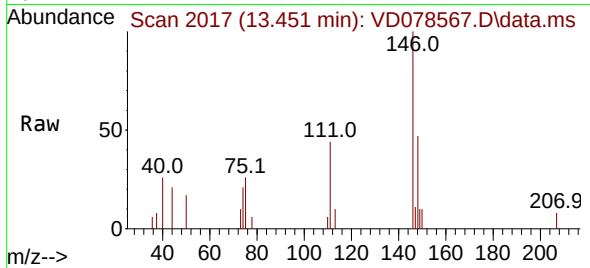
#64
1,3-Dichlorobenzene
Concen: 0.966 ug/L
RT: 13.451 min Scan# 2017
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion:	146	Resp:	456
Ion Ratio	Lower	Upper	
146	100		
111	44.4	27.4	51.0
148	46.8	46.4	86.2

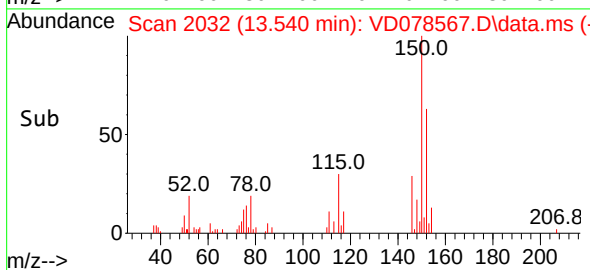
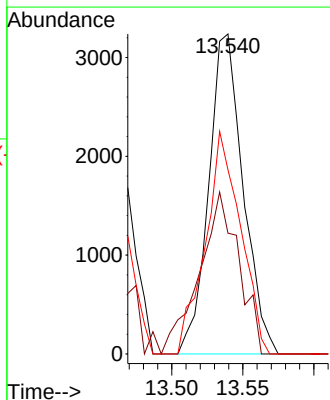
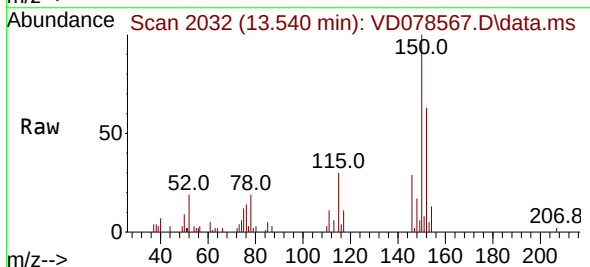
Manual Integrations
APPROVED

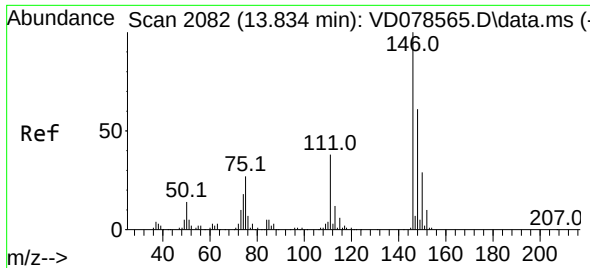
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#65
1,4-Dichlorobenzene
Concen: 1.098 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:	146	Resp:	5462
Ion Ratio	Lower	Upper	
146	100		
111	37.8	24.4	45.2
148	57.5	43.3	80.3





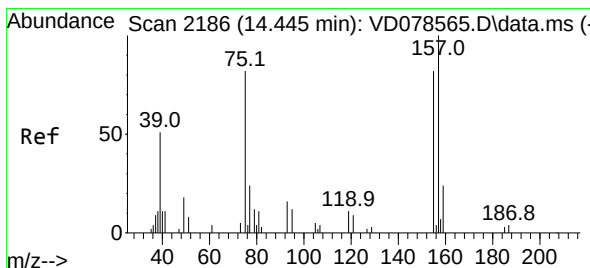
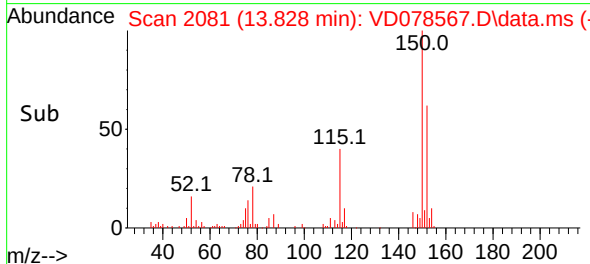
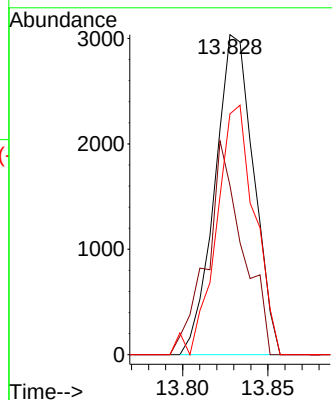
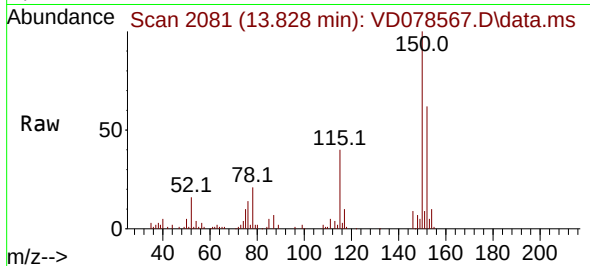
#67
1,2-Dichlorobenzene
Concen: 1.116 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2024-02

Tgt Ion:146 Resp: 4812
Ion Ratio Lower Upper
146 100
111 52.8 33.4 50.0
148 75.3 51.6 77.4

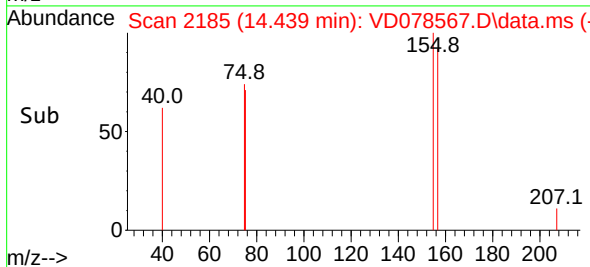
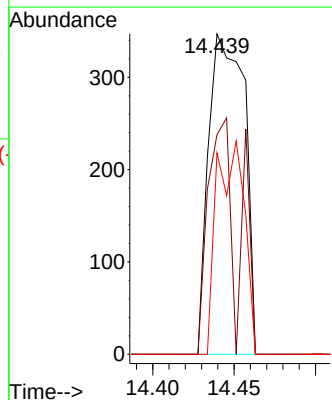
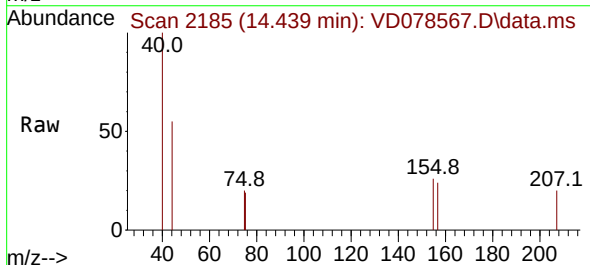
Manual Integrations
APPROVED

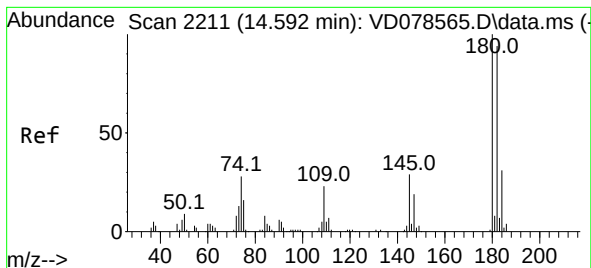
Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 1.998 ug/L m
RT: 14.439 min Scan# 2185
Delta R.T. -0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion: 75 Resp: 528
Ion Ratio Lower Upper
75 100
155 134.5 80.2 120.2
157 123.2 109.1 163.7





#69

1,3,5-Trichlorobenzene

Concen: 1.061 ug/L

RT: 14.598 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Instrument :

MSVOA_D

ClientSampleId :

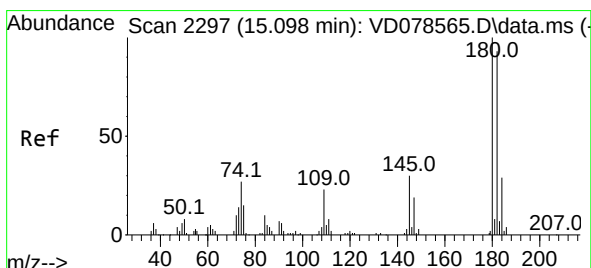
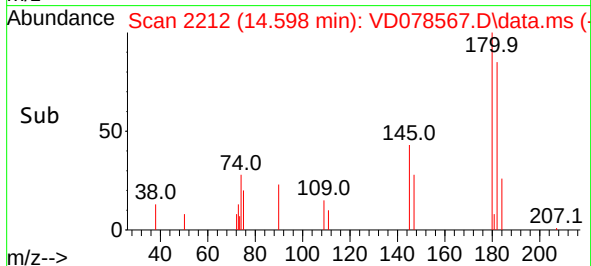
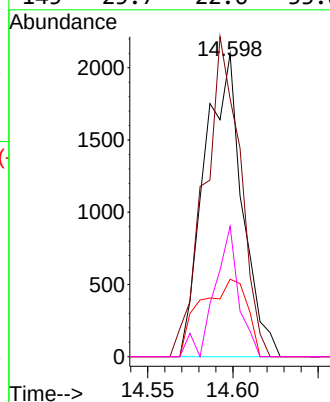
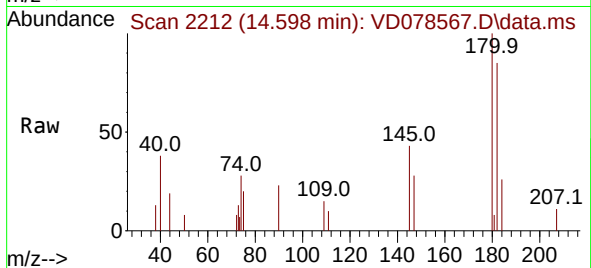
MDL-SOIL-QT1-2024-02

Tgt Ion:180	Resp:	324
Ion Ratio	Lower	Upper
180	100	
182	99.4	75.1 112.7
184	14.7	24.2 36.4
145	25.7	22.6 33.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#70

1,2,4-trichlorobenzene

Concen: 0.997 ug/L

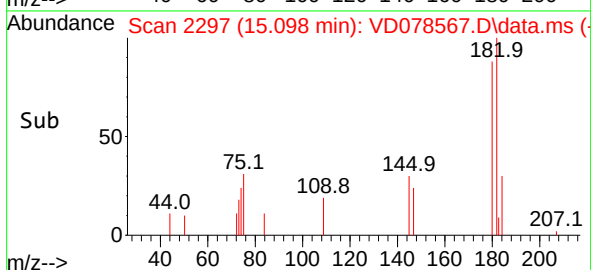
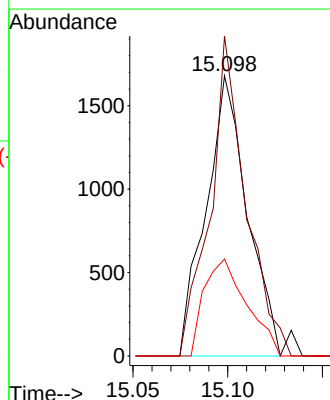
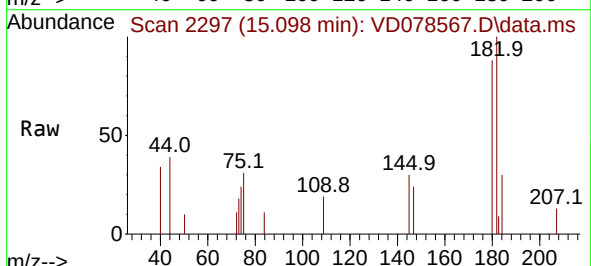
RT: 15.098 min Scan# 2297

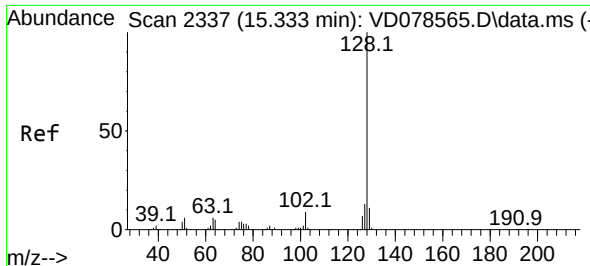
Delta R.T. 0.000 min

Lab File: VD078567.D

Acq: 28 Feb 2024 14:58

Tgt Ion:180	Resp:	2544
Ion Ratio	Lower	Upper
180	100	
182	98.8	75.4 113.0
145	35.7	22.9 34.3





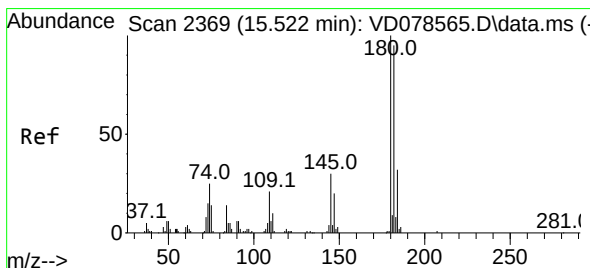
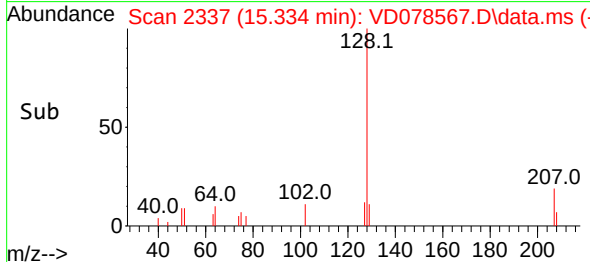
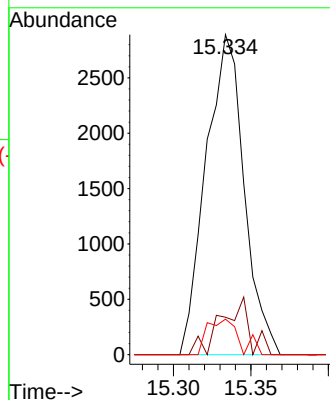
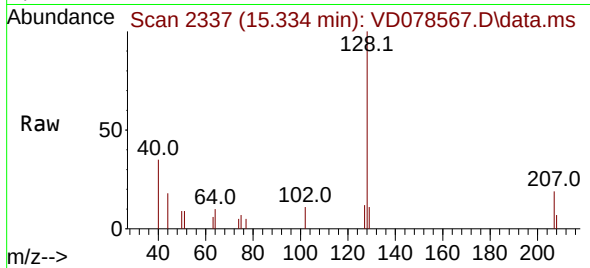
#71
Naphthalene
Concen: 1.059 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2024-02

Tgt Ion:128 Resp: 4944
Ion Ratio Lower Upper
128 100
127 7.1 10.1 15.1#
129 3.9 8.6 12.8#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
Supervised By :Mahesh Dadoda 02/29/2024



#72
1,2,3-Trichlorobenzene
Concen: 0.910 ug/L m
RT: 15.528 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD078567.D
Acq: 28 Feb 2024 14:58

Tgt Ion:180 Resp: 2054
Ion Ratio Lower Upper
180 100
182 75.4 77.6 116.4#
145 0.0 24.2 36.2#

