

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078223.D
 Acq On : 24 Jan 2024 15:19
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 25 01:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 01:15:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	114814	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	223589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	203324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	84894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63525	48.466	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.816	113	67459	45.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.680%		
50) Toluene-d8	10.275	98	256634	44.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.080%		
62) 4-Bromofluorobenzene	12.574	95	68780	40.704	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.400%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	5425	4.102	ug/l	96
3) Chloromethane	2.152	50	8952	4.196	ug/l	92
4) Vinyl Chloride	2.287	62	11811	4.338	ug/l	# 86
5) Bromomethane	2.699	94	8092	4.073	ug/l	98
6) Chloroethane	2.840	64	7747	4.074	ug/l	95
7) Trichlorofluoromethane	3.187	101	10073	4.068	ug/l	# 77
8) Diethyl Ether	3.604	74	2956	4.306	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.981	101	6118	4.265	ug/l	89
10) Methyl Iodide	4.169	142	5088	3.539	ug/l	# 87
11) Tert butyl alcohol	5.045	59	1041m	16.133	ug/l	
12) 1,1-Dichloroethene	3.951	96	5643	3.972	ug/l	89
13) Acrolein	3.804	56	2646	17.863	ug/l	87
14) Allyl chloride	4.569	41	7822	4.174	ug/l	# 77
15) Acrylonitrile	5.269	53	5943	19.292	ug/l	# 85
16) Acetone	4.028	43	6307	16.142	ug/l	# 72
17) Carbon Disulfide	4.275	76	19523	4.237	ug/l	99
18) Methyl Acetate	4.563	43	4290	3.804	ug/l	# 58
19) Methyl tert-butyl Ether	5.328	73	10973	3.703	ug/l	93
20) Methylene Chloride	4.810	84	11231	5.841	ug/l	# 86
21) trans-1,2-Dichloroethene	5.328	96	6449	3.928	ug/l	94
22) Diisopropyl ether	6.228	45	15465	3.900	ug/l	# 86
23) Vinyl Acetate	6.163	43	34984m	17.905	ug/l	
24) 1,1-Dichloroethane	6.122	63	11699	4.269	ug/l	95
25) 2-Butanone	7.081	43	8716	18.877	ug/l	# 72
26) 2,2-Dichloropropane	7.081	77	8592	3.743	ug/l	88
27) cis-1,2-Dichloroethene	7.087	96	7296	4.137	ug/l	87
28) Bromochloromethane	7.439	49	3990	3.733	ug/l	# 73
29) Tetrahydrofuran	7.445	42	4489	20.760	ug/l	# 69
30) Chloroform	7.598	83	12094	4.340	ug/l	100
31) Cyclohexane	7.881	56	12169	5.021	ug/l	# 87
32) 1,1,1-Trichloroethane	7.804	97	9140	3.797	ug/l	96
36) 1,1-Dichloropropene	8.016	75	9069	3.748	ug/l	91
37) Ethyl Acetate	7.181	43	3487m	3.871	ug/l	
38) Carbon Tetrachloride	7.992	117	8462	3.541	ug/l	90
39) Methylcyclohexane	9.275	83	9461	3.306	ug/l	98
40) Benzene	8.251	78	25580	3.725	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.392	41	1823	3.685	ug/l #	60
42) 1,2-Dichloroethane	8.334	62	6890	3.856	ug/l	96
43) Isopropyl Acetate	8.363	43	5735	3.475	ug/l #	79
44) Trichloroethene	9.039	130	6119	3.483	ug/l	98
45) 1,2-Dichloropropane	9.304	63	6564	3.852	ug/l	92
46) Dibromomethane	9.404	93	3233	3.455	ug/l	87
47) Bromodichloromethane	9.586	83	8659	3.684	ug/l	98
48) Methyl methacrylate	9.386	41	3292	3.445	ug/l #	76
49) 1,4-Dioxane	9.392	88	792	87.468	ug/l #	78
51) 4-Methyl-2-Pentanone	10.163	43	13935	16.068	ug/l #	85
52) Toluene	10.333	92	15376	3.532	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	7474	3.446	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	9293	3.575	ug/l #	88
55) 1,1,2-Trichloroethane	10.733	97	4330	3.458	ug/l #	86
56) Ethyl methacrylate	10.598	69	2955	2.883	ug/l #	66
57) 1,3-Dichloropropane	10.880	76	8025	3.748	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	9540	15.531	ug/l	89
59) 2-Hexanone	10.928	43	10546	14.964	ug/l	80
60) Dibromochloromethane	11.075	129	5411	3.665	ug/l	94
61) 1,2-Dibromoethane	11.175	107	4342	3.762	ug/l	87
64) Tetrachloroethene	10.816	164	4380	3.295	ug/l #	77
65) Chlorobenzene	11.610	112	17403	3.875	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.680	131	5633	3.509	ug/l	92
67) Ethyl Benzene	11.686	91	26984	3.301	ug/l	98
68) m/p-Xylenes	11.792	106	20332	6.513	ug/l	95
69) o-Xylene	12.122	106	8658	3.056	ug/l	83
70) Styrene	12.139	104	12821	3.020	ug/l #	89
71) Bromoform	12.304	173	2590	3.258	ug/l #	95
73) Isopropylbenzene	12.422	105	24521	3.674	ug/l	92
74) N-amyl acetate	12.233	43	4317	3.380	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.674	83	4535	3.651	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3619m	4.445	ug/l	
77) Bromobenzene	12.698	156	6039	4.126	ug/l	79
78) n-propylbenzene	12.763	91	30604	3.697	ug/l	95
79) 2-Chlorotoluene	12.851	91	16797	3.802	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	18401	3.325	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	1335	3.532	ug/l #	68
82) 4-Chlorotoluene	12.945	91	17749	3.811	ug/l	90
83) tert-Butylbenzene	13.169	119	16397	3.544	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	18369	3.282	ug/l	92
85) sec-Butylbenzene	13.345	105	24623	3.515	ug/l	94
86) p-Isopropyltoluene	13.463	119	20990	3.443	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	11854	3.912	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	11892	3.973	ug/l	84
89) n-Butylbenzene	13.786	91	20779	3.501	ug/l	95
90) Hexachloroethane	14.051	117	4389	3.670	ug/l	89
91) 1,2-Dichlorobenzene	13.833	146	10213	4.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	687	3.871	ug/l	74
93) 1,2,4-Trichlorobenzene	15.098	180	5361	3.404	ug/l	97
94) Hexachlorobutadiene	15.204	225	2828	3.716	ug/l	86
95) Naphthalene	15.327	128	9388	3.188	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.515	180	4501	3.406	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Jan 25 01:15:14 2024
Response via : Initial Calibration

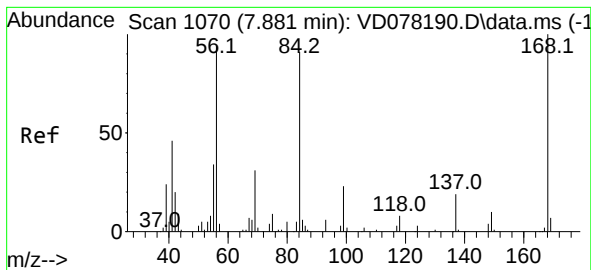
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078223.D

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Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 114814

Ion Ratio Lower Upper

168 100

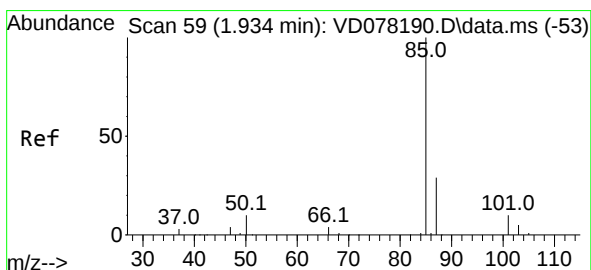
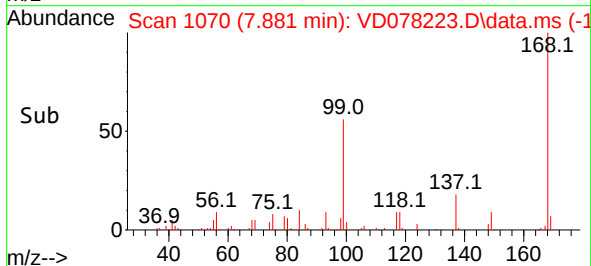
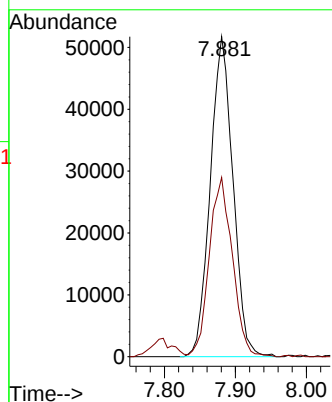
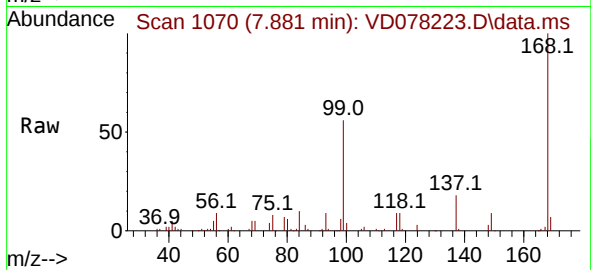
99 56.0 36.7 55.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/25/2024



#2

Dichlorodifluoromethane

Concen: 4.102 ug/l

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD078223.D

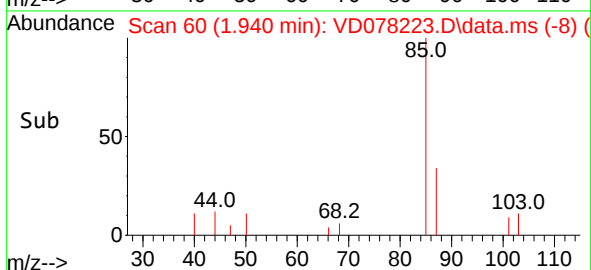
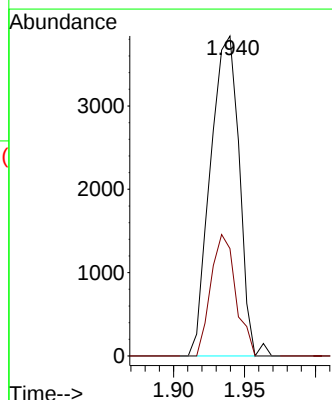
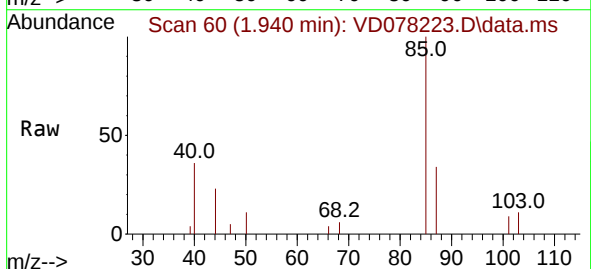
Acq: 24 Jan 2024 15:19

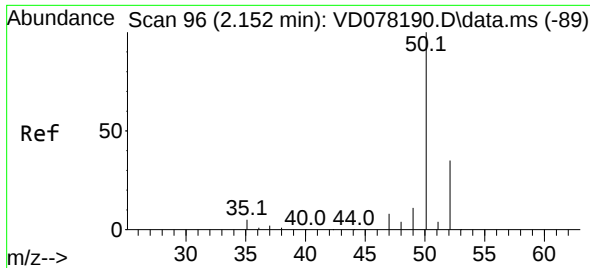
Tgt Ion: 85 Resp: 5425

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.0





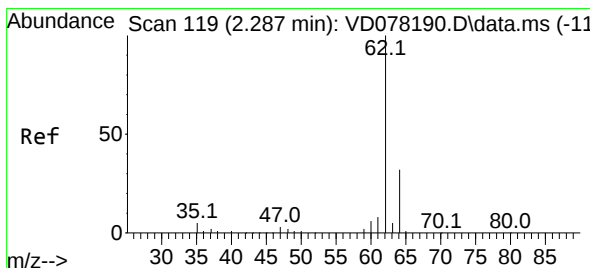
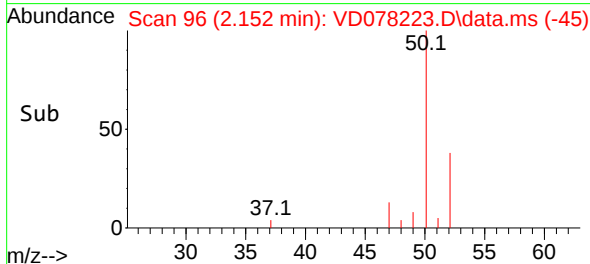
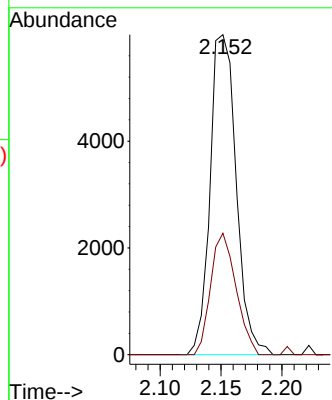
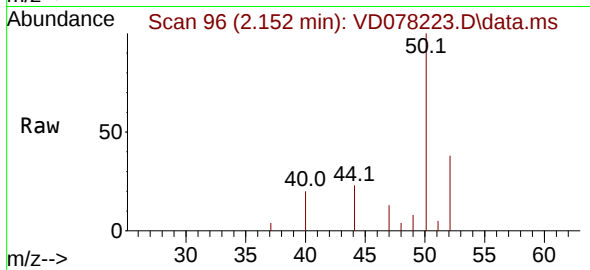
#3
Chloromethane
Concen: 4.196 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.001 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 8952
Ion Ratio Lower Upper
50 100
52 37.9 26.6 40.0

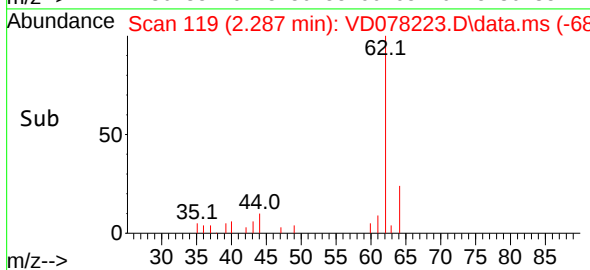
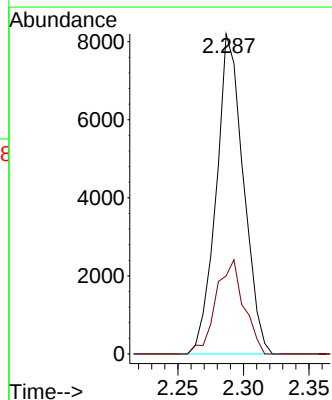
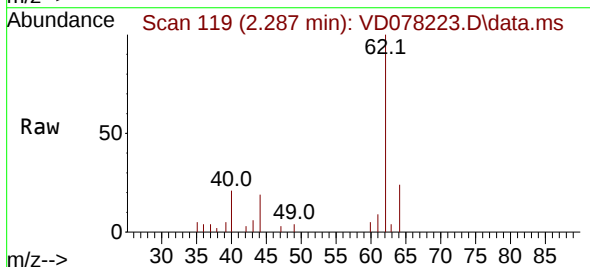
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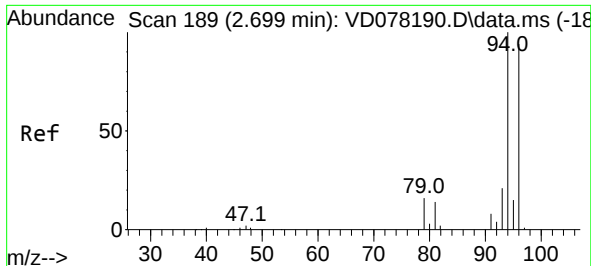
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#4
Vinyl Chloride
Concen: 4.338 ug/l
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

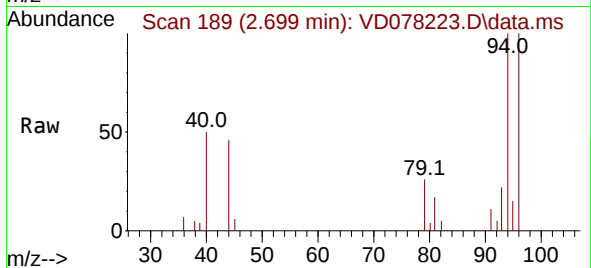
Tgt Ion: 62 Resp: 11811
Ion Ratio Lower Upper
62 100
64 24.4 26.0 39.0#





#5
Bromomethane
Concen: 4.073 ug/l
RT: 2.699 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

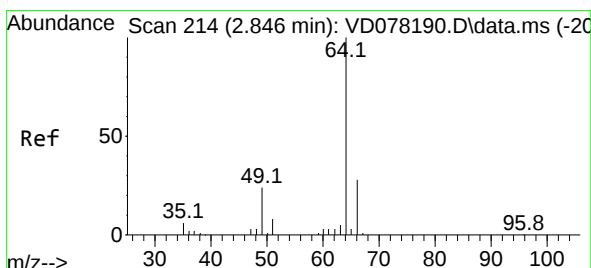
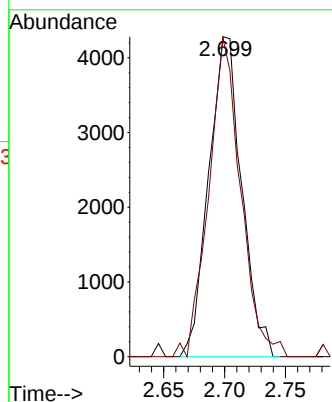
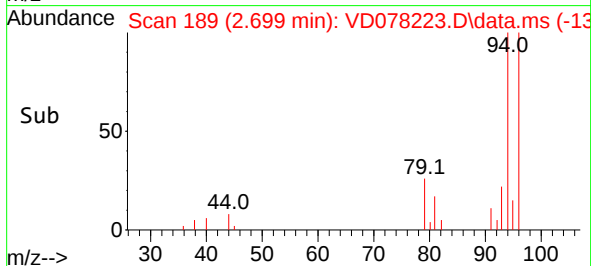
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Tgt Ion: 94 Resp: 8092
Ion Ratio Lower Upper
94 100
96 96.5 75.8 113.8

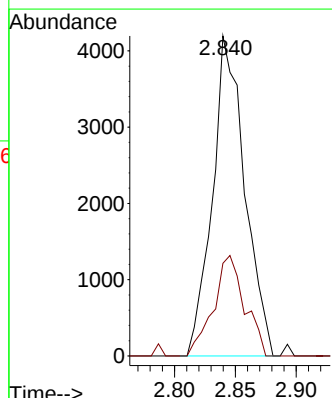
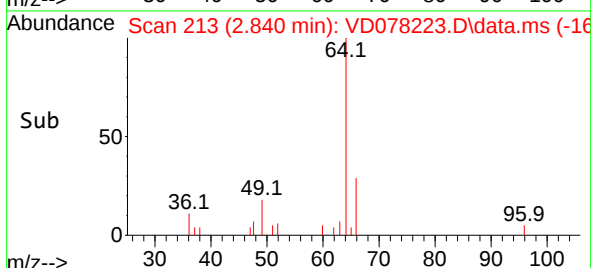
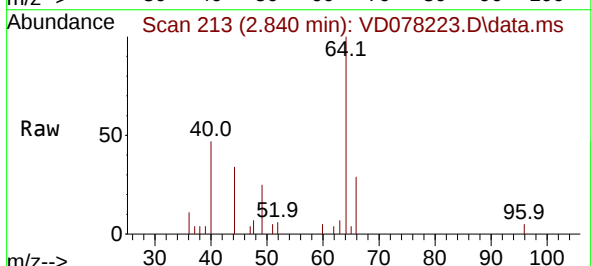
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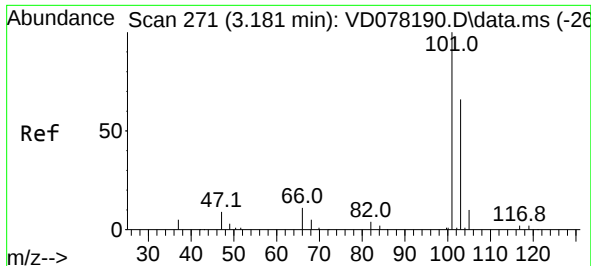
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#6
Chloroethane
Concen: 4.074 ug/l
RT: 2.840 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

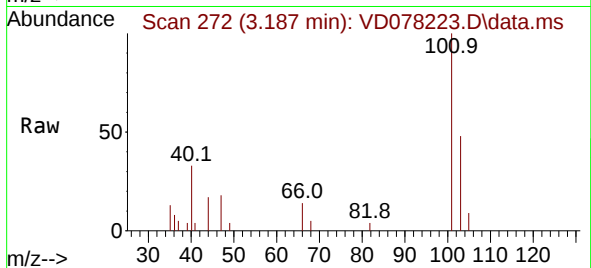
Tgt Ion: 64 Resp: 7747
Ion Ratio Lower Upper
64 100
66 28.9 25.5 38.3





#7
Trichlorofluoromethane
Concen: 4.068 ug/l
RT: 3.187 min Scan# 210
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

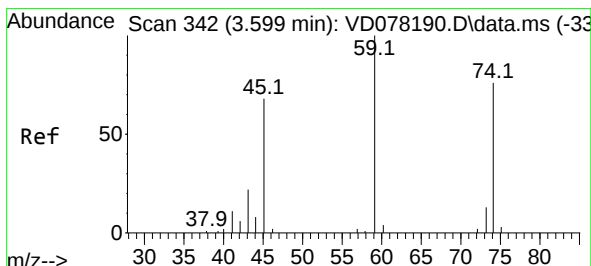
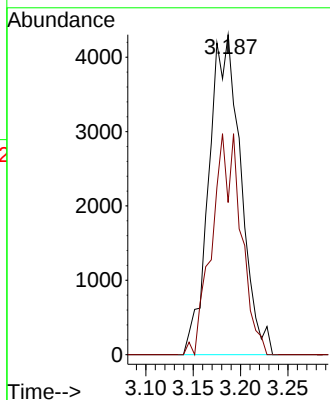
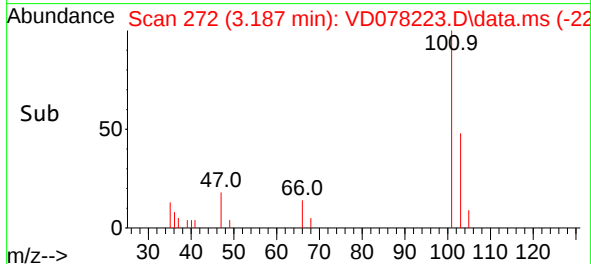
Instrument :
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MDL-SOIL-03-QT1-2024



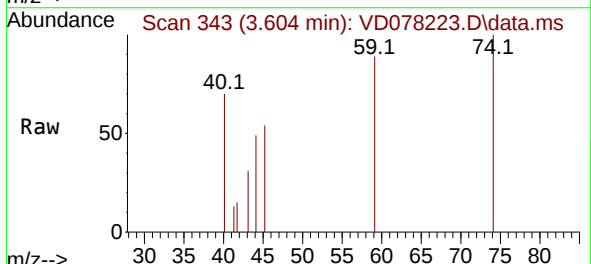
Tgt Ion:101 Resp: 1007
Ion Ratio Lower Upper
101 100
103 47.5 52.3 78.5

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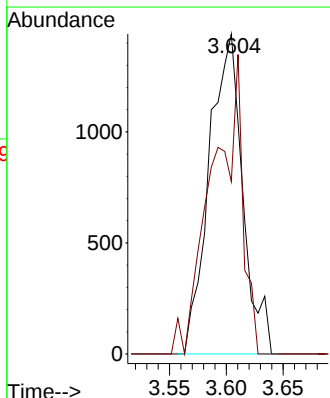
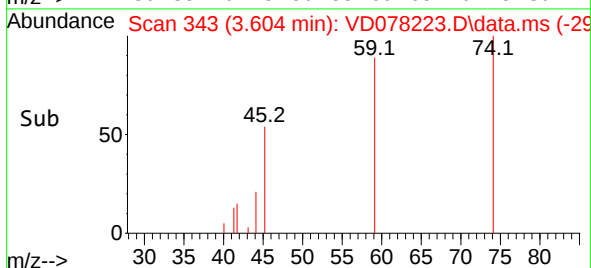
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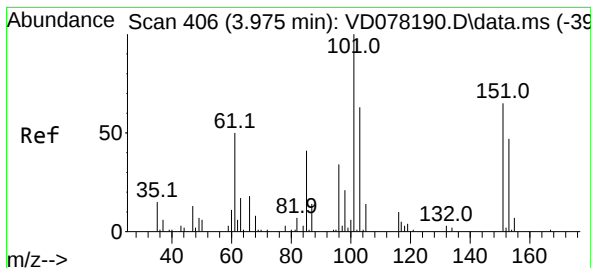


#8
Diethyl Ether
Concen: 4.306 ug/l
RT: 3.604 min Scan# 343
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion: 74 Resp: 2956
Ion Ratio Lower Upper
74 100
45 84.0 37.5 112.7





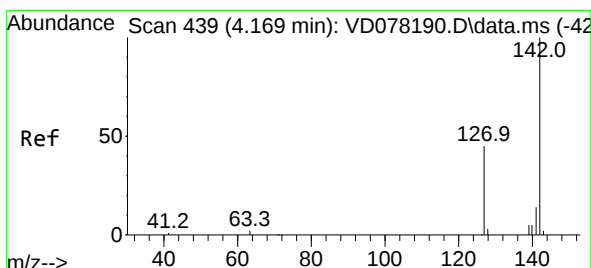
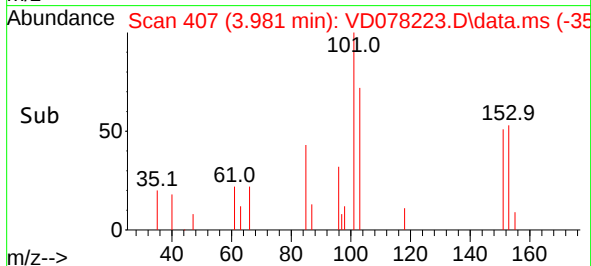
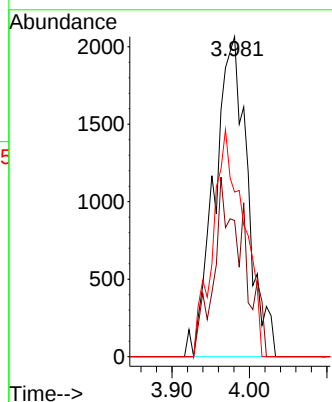
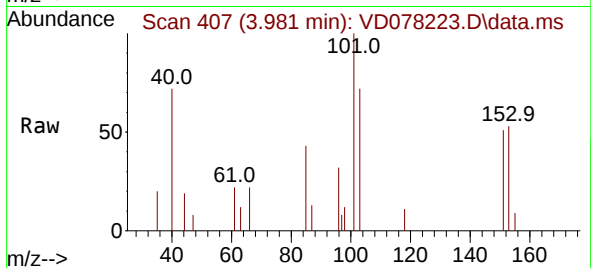
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.265 ug/l
RT: 3.981 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:101 Resp: 6118
Ion Ratio Lower Upper
101 100
85 50.1 33.8 50.6
151 66.7 59.8 89.6

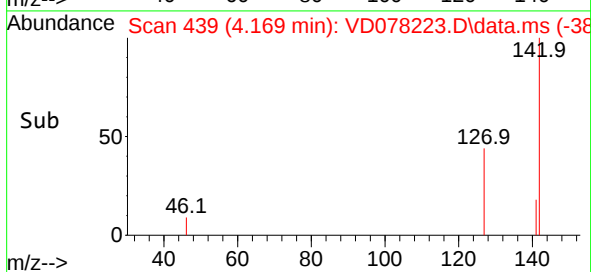
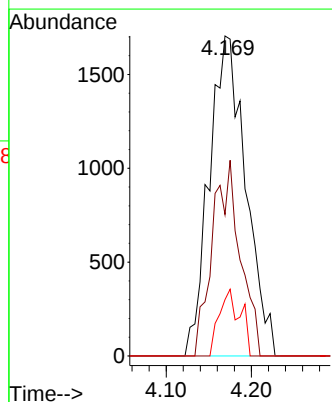
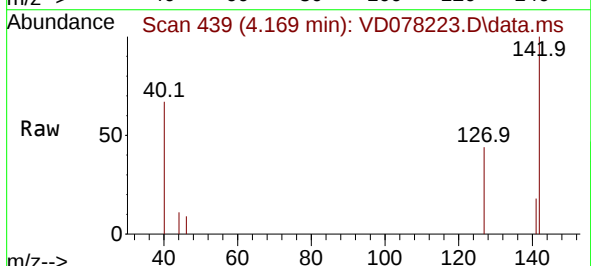
Manual Integrations
APPROVED

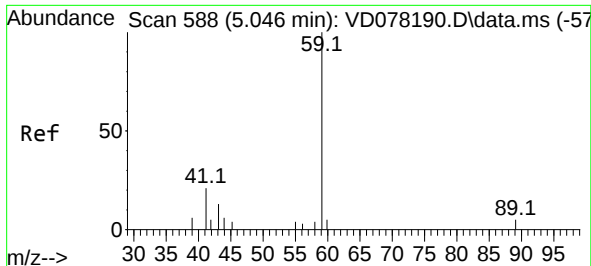
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#10
Methyl Iodide
Concen: 3.539 ug/l
RT: 4.169 min Scan# 439
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:142 Resp: 5088
Ion Ratio Lower Upper
142 100
127 46.6 29.4 44.0#
141 12.0 11.1 16.7





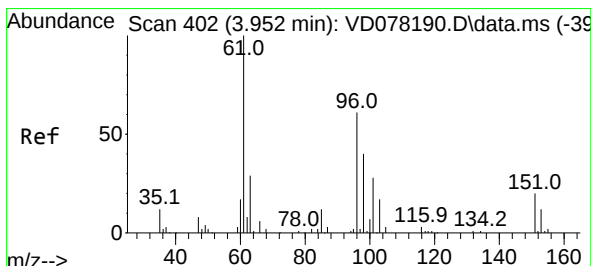
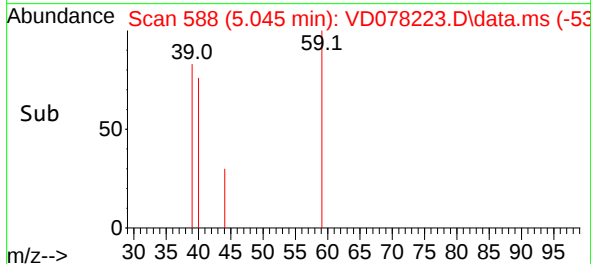
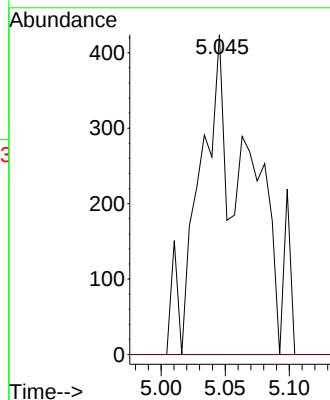
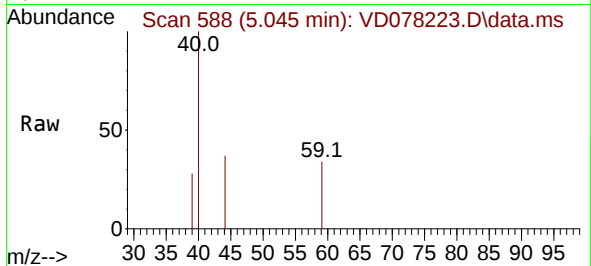
#11
Tert butyl alcohol
Concen: 16.133 ug/l m
RT: 5.045 min Scan# 588
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

Tgt Ion: 59 Resp: 104
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8

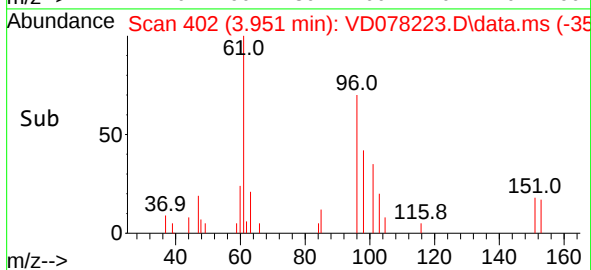
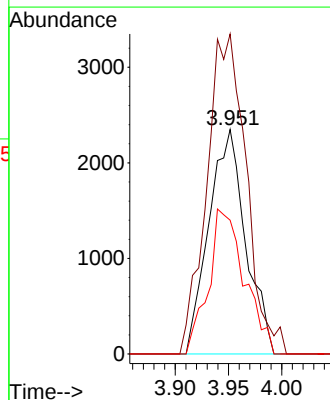
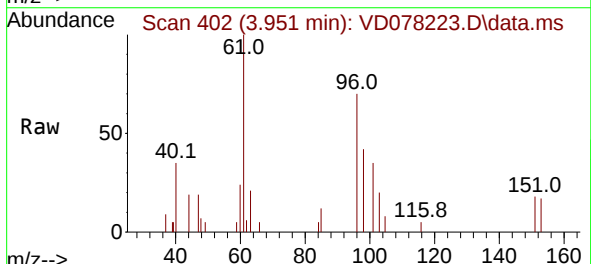
Manual Integrations
APPROVED

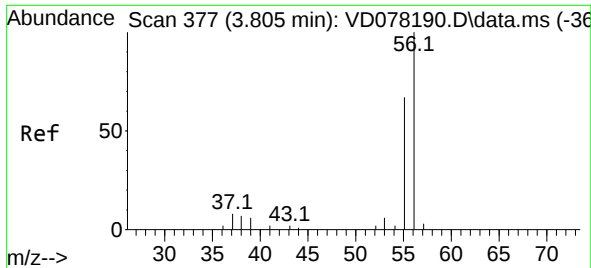
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#12
1,1-Dichloroethene
Concen: 3.972 ug/l
RT: 3.951 min Scan# 402
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 96 Resp: 5643
Ion Ratio Lower Upper
96 100
61 142.6 100.6 150.8
98 59.6 50.2 75.2





#13

Acrolein

Concen: 17.863 ug/l

RT: 3.804 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

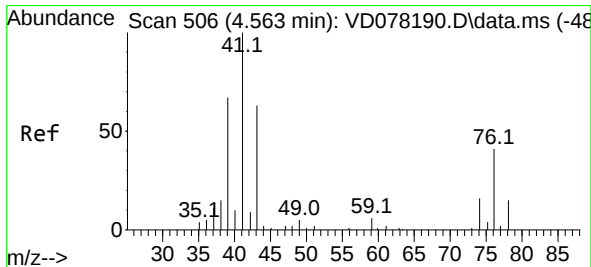
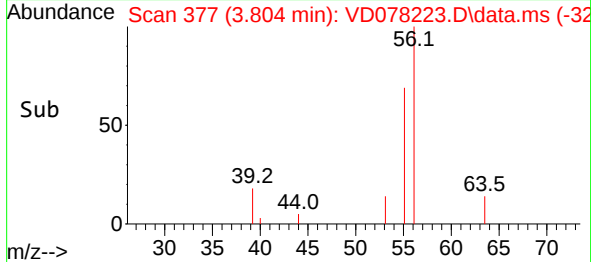
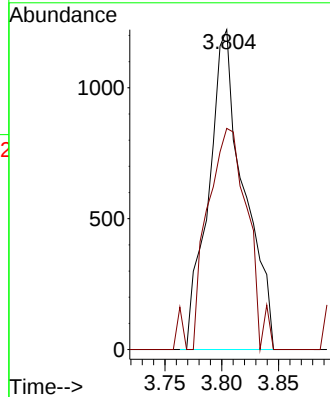
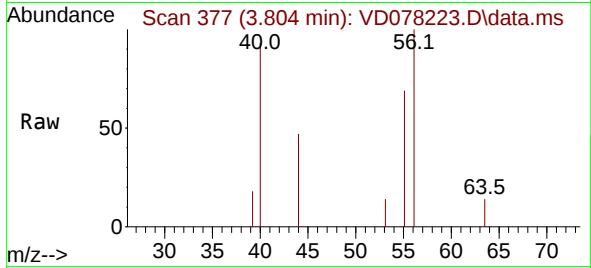
MDL-SOIL-03-QT1-2024

Tgt Ion: 56 Resp: 2640
 Ion Ratio Lower Upper
 56 100
 55 79.4 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#14

Allyl chloride

Concen: 4.174 ug/l

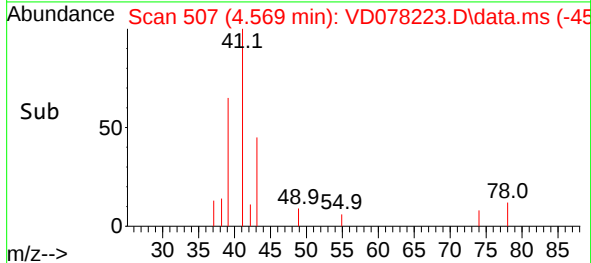
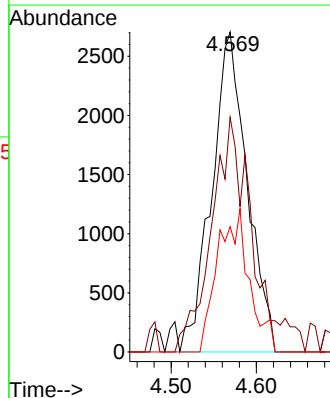
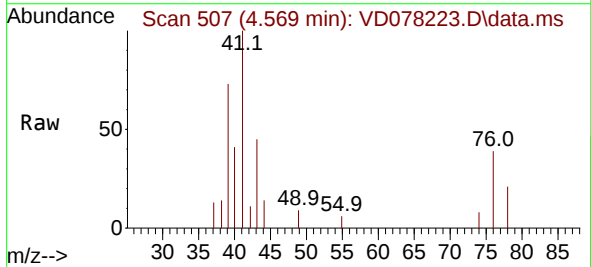
RT: 4.569 min Scan# 507

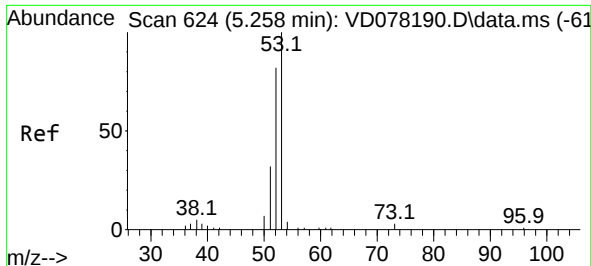
Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

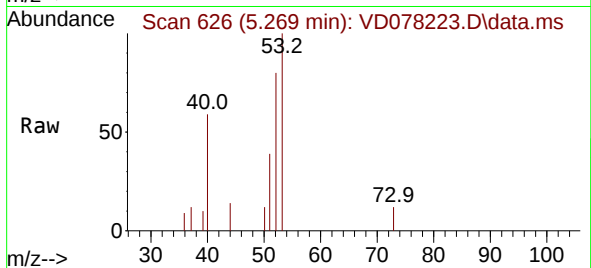
Tgt Ion: 41 Resp: 7822
 Ion Ratio Lower Upper
 41 100
 39 84.7 53.8 80.6#
 76 39.9 45.8 68.8#





#15
Acrylonitrile
Concen: 19.292 ug/l
RT: 5.269 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

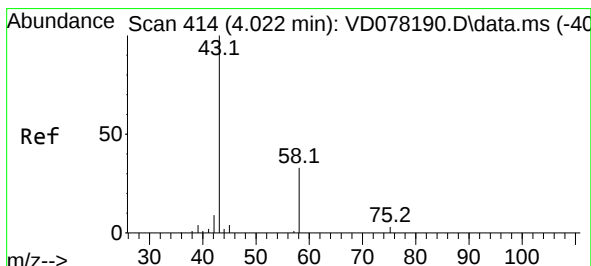
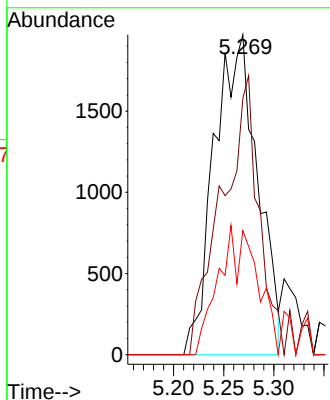
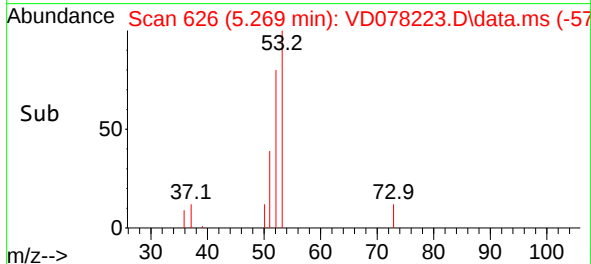
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 53 Resp: 594
Ion Ratio Lower Upper
53 100
52 73.5 65.0 97.4
51 18.1 28.3 42.5

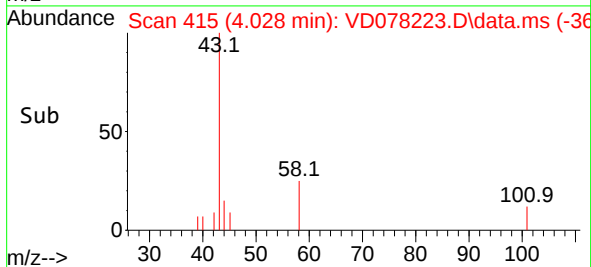
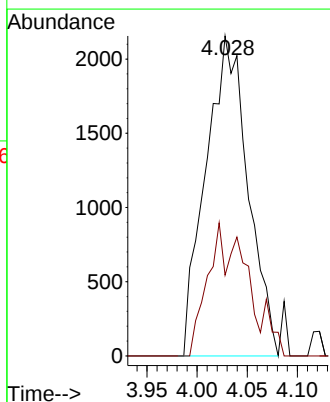
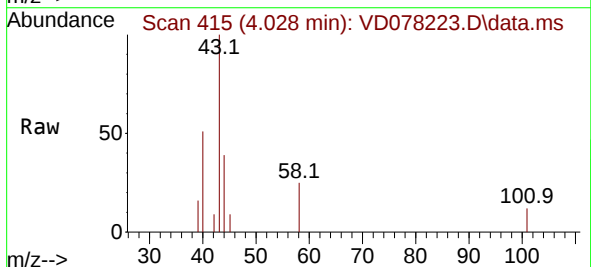
Manual Integrations
APPROVED

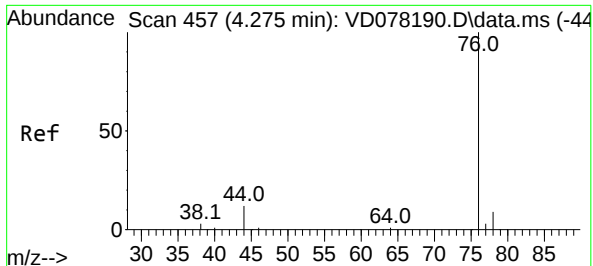
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#16
Acetone
Concen: 16.142 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

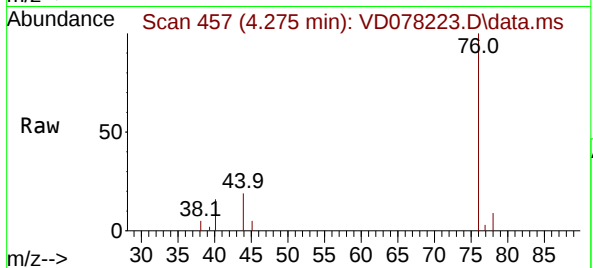
Tgt Ion: 43 Resp: 6307
Ion Ratio Lower Upper
43 100
58 25.2 34.7 52.1





#17
Carbon Disulfide
Concen: 4.237 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

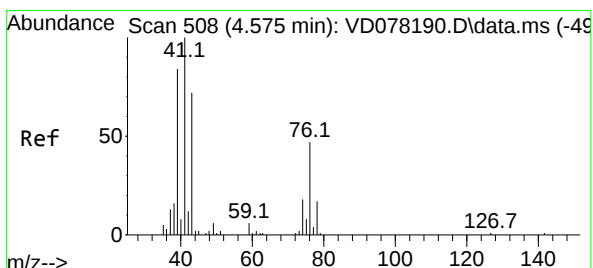
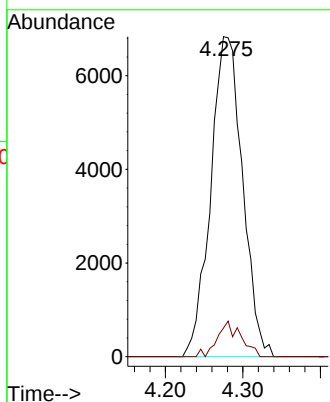
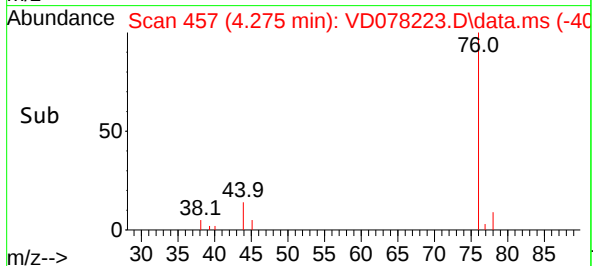
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



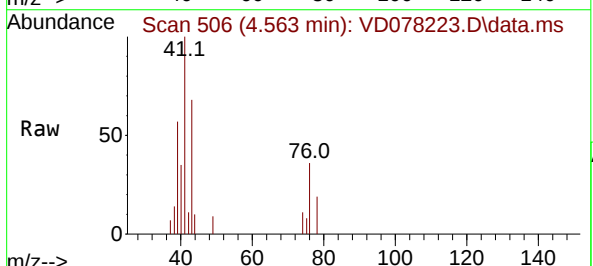
Tgt Ion: 76 Resp: 1952
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

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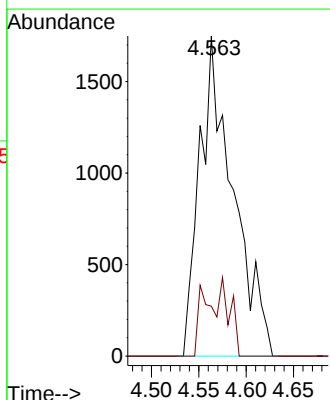
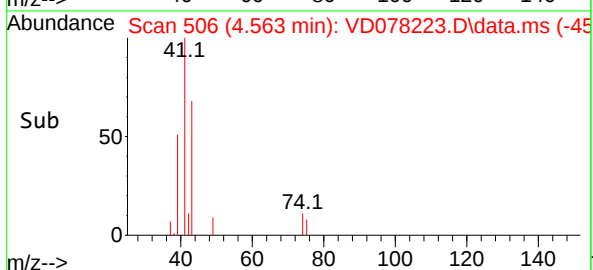
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

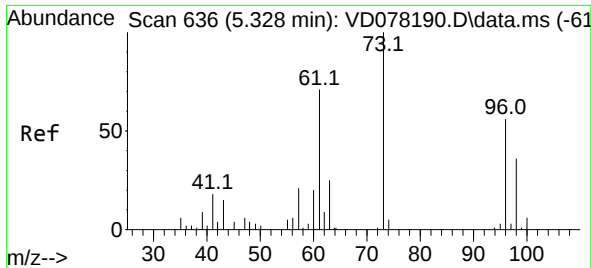


#18
Methyl Acetate
Concen: 3.804 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



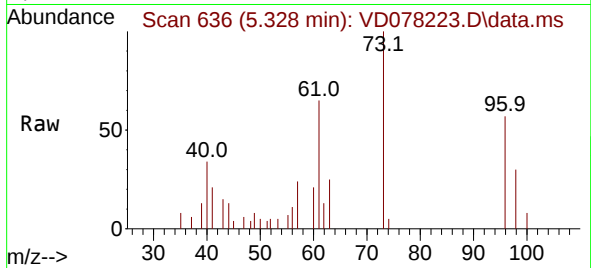
Tgt Ion: 43 Resp: 4290
Ion Ratio Lower Upper
43 100
74 9.5 26.4 39.6#





#19
Methyl tert-butyl Ether
Concen: 3.703 ug/l
RT: 5.328 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

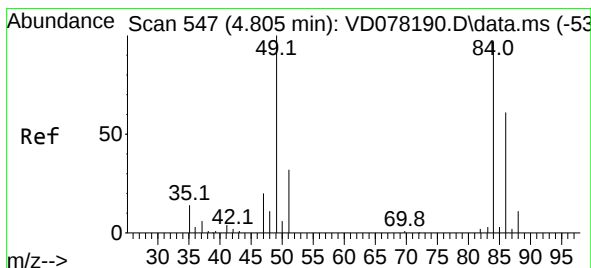
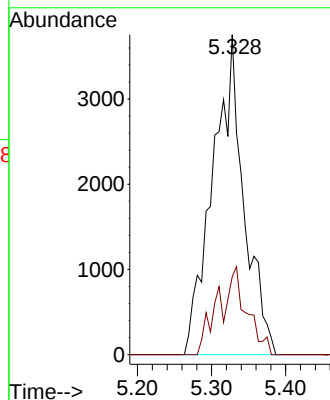
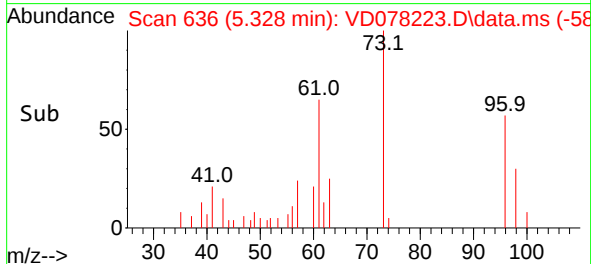
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 73 Resp: 1097
Ion Ratio Lower Upper
73 100
57 24.3 16.6 25.0

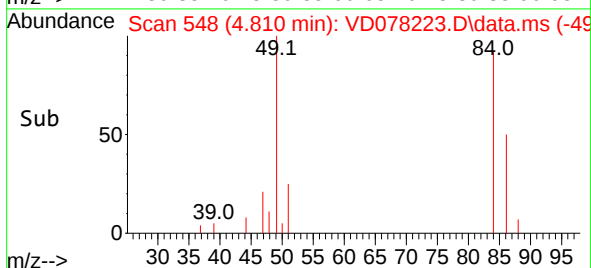
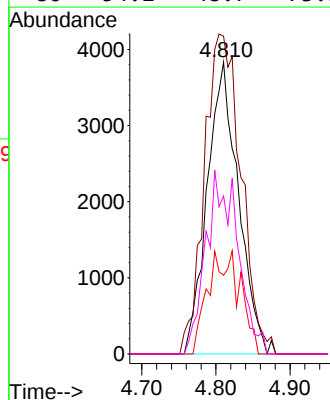
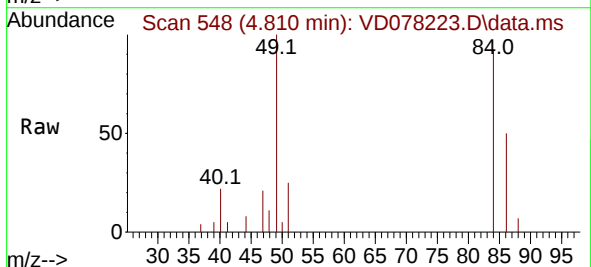
Manual Integrations
APPROVED

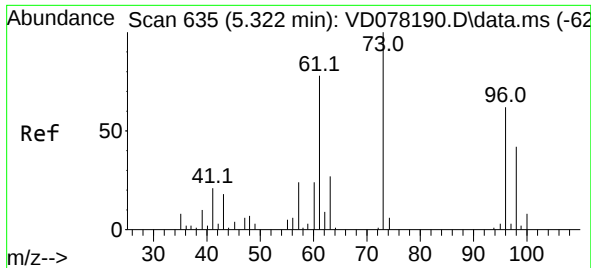
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#20
Methylene Chloride
Concen: 5.841 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

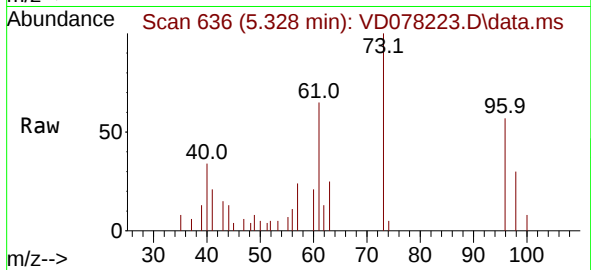
Tgt Ion: 84 Resp: 11231
Ion Ratio Lower Upper
84 100
49 108.9 71.4 107.2#
51 27.0 24.5 36.7
86 54.2 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 3.928 ug/l
RT: 5.328 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

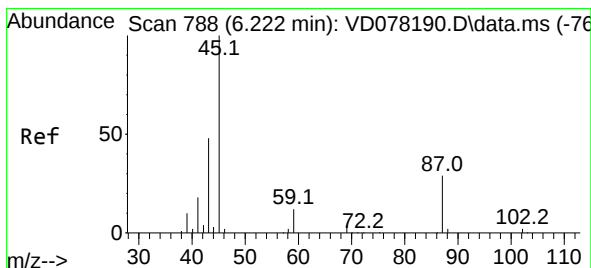
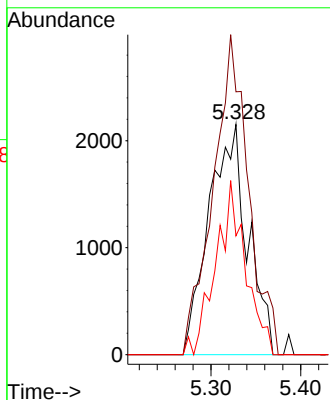
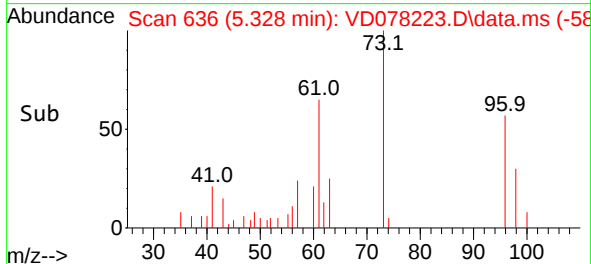
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 96 Resp: 6449
Ion Ratio Lower Upper
96 100
61 114.2 89.3 133.9
98 51.6 48.6 73.0

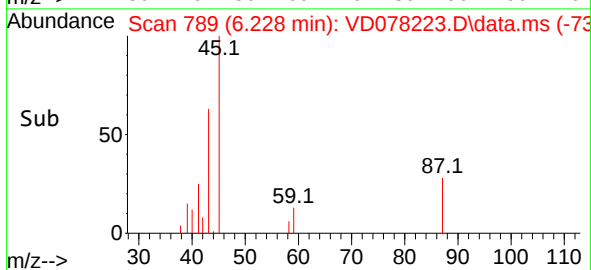
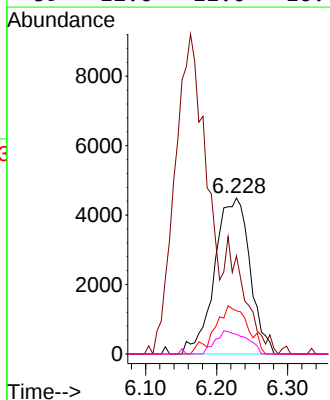
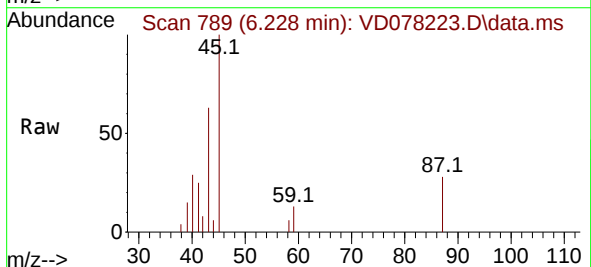
Manual Integrations
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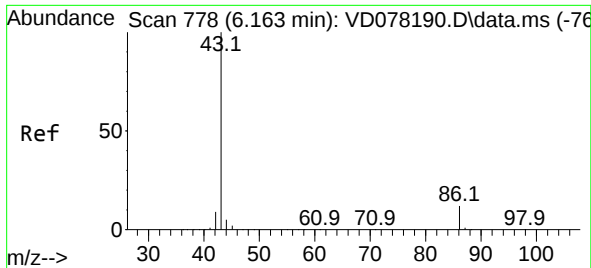
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#22
Diisopropyl ether
Concen: 3.900 ug/l
RT: 6.228 min Scan# 789
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 45 Resp: 15465
Ion Ratio Lower Upper
45 100
43 62.8 40.0 60.0#
87 27.6 28.2 42.4#
59 12.6 11.0 16.4





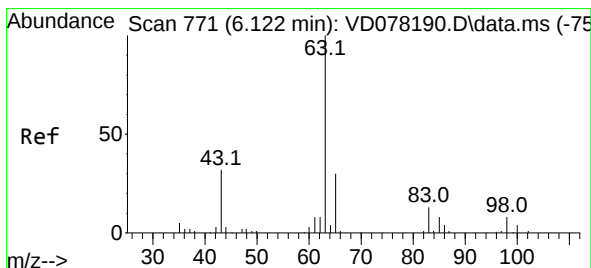
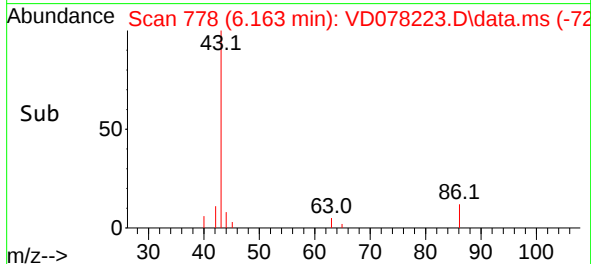
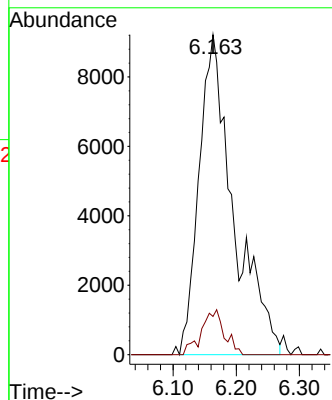
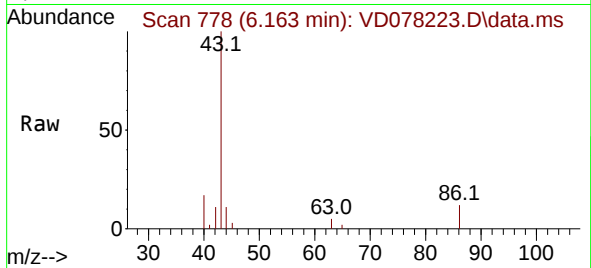
#23
 Vinyl Acetate
 Concen: 17.905 ug/l m
 RT: 6.163 min Scan# 778
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 34984
 Ion Ratio Lower Upper
 43 100
 86 11.9 12.5 18.75

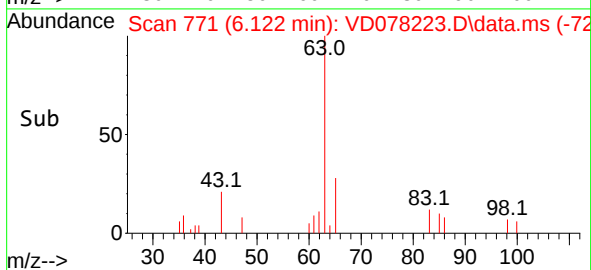
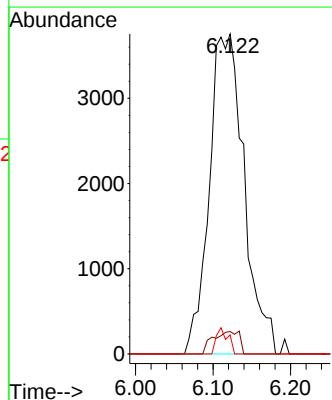
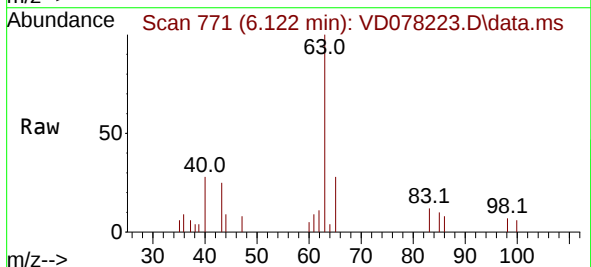
Manual Integrations
 APPROVED

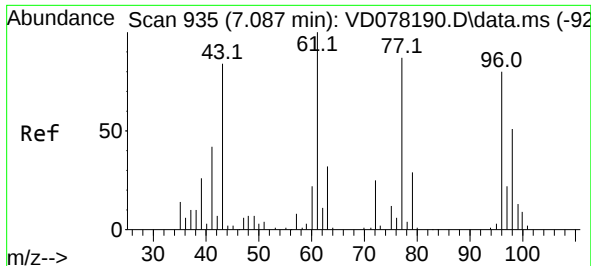
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#24
 1,1-Dichloroethane
 Concen: 4.269 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion: 63 Resp: 11699
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.5 13.7
 100 6.0 2.5 7.5





#25

2-Butanone

Concen: 18.877 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 8710

Ion Ratio Lower Upper

43 100

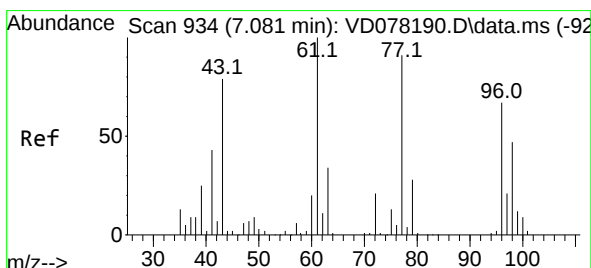
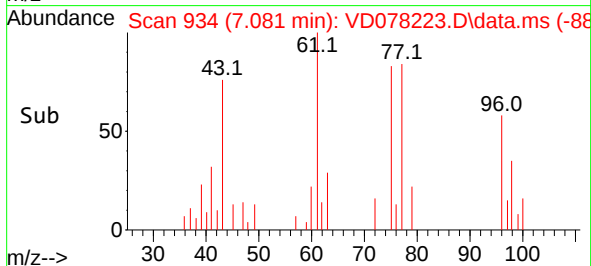
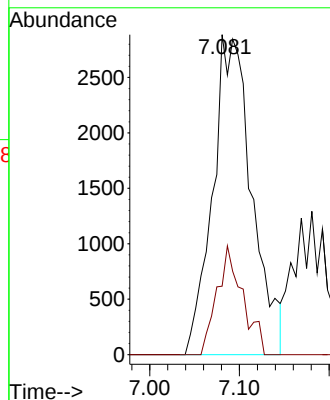
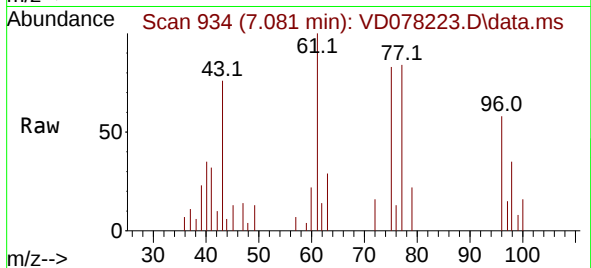
72 21.4 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#26

2,2-Dichloropropane

Concen: 3.743 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD078223.D

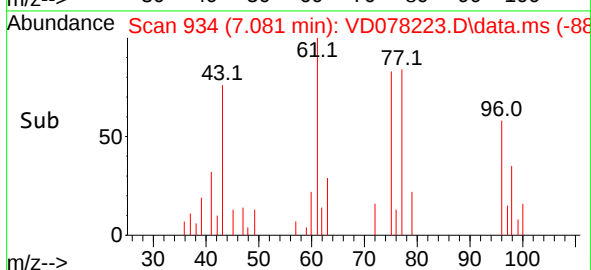
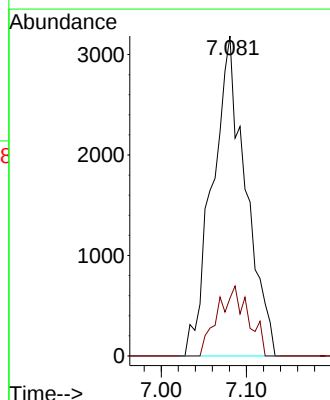
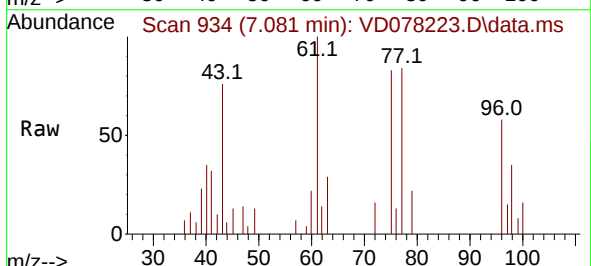
Acq: 24 Jan 2024 15:19

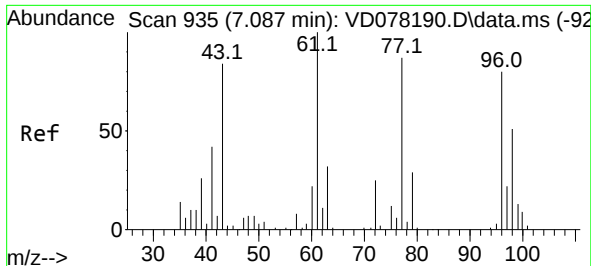
Tgt Ion: 77 Resp: 8592

Ion Ratio Lower Upper

77 100

97 20.3 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 4.137 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

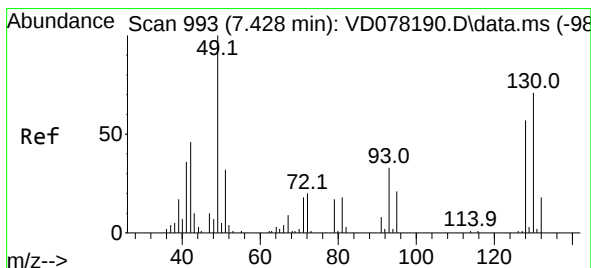
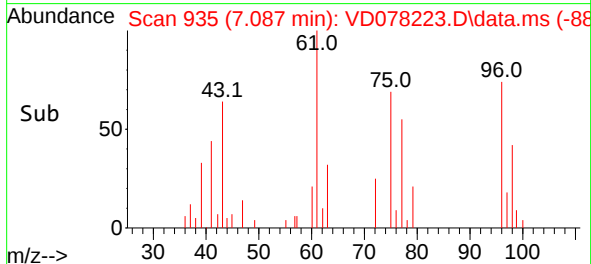
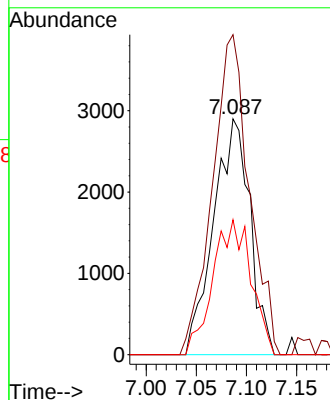
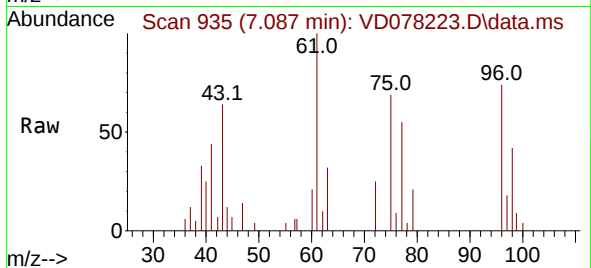
MDL-SOIL-03-QT1-2024

Tgt Ion: 96	Resp: 7290
Ion Ratio	Lower Upper
96 100	
61 138.2	0.0 239.2
98 60.3	0.0 128.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#28

Bromochloromethane

Concen: 3.733 ug/l

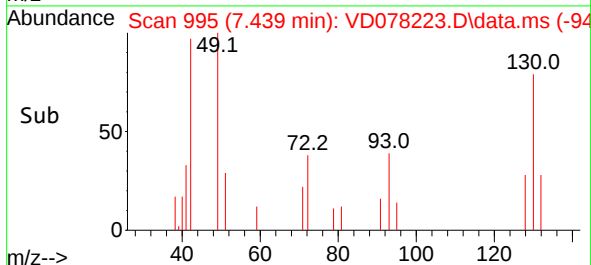
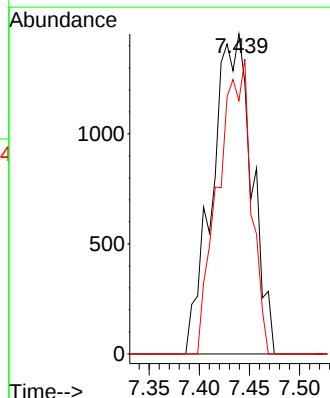
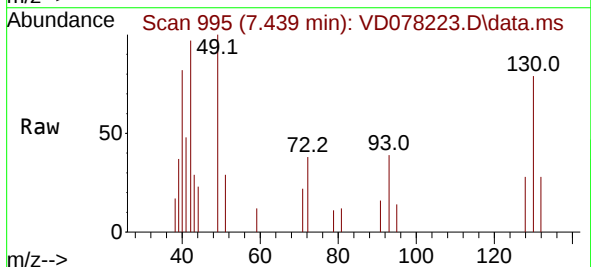
RT: 7.439 min Scan# 995

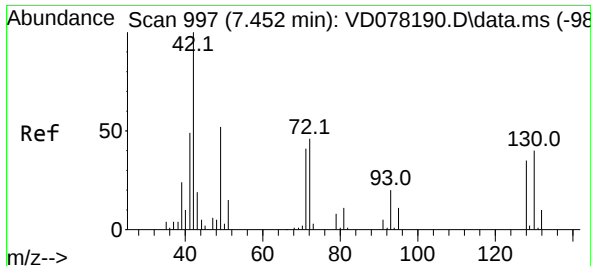
Delta R.T. 0.011 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

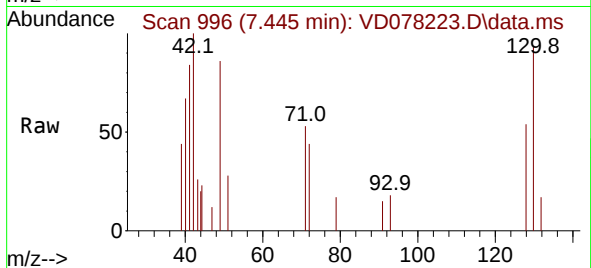
Tgt Ion: 49	Resp: 3990
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 6.0
130 76.1	83.2 124.8#





#29
Tetrahydrofuran
Concen: 20.760 ug/l
RT: 7.445 min Scan# 996
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

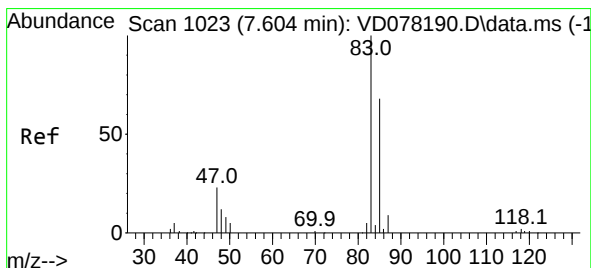
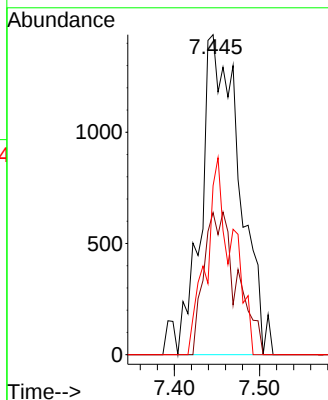
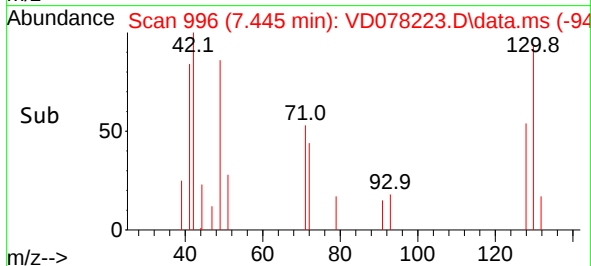
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



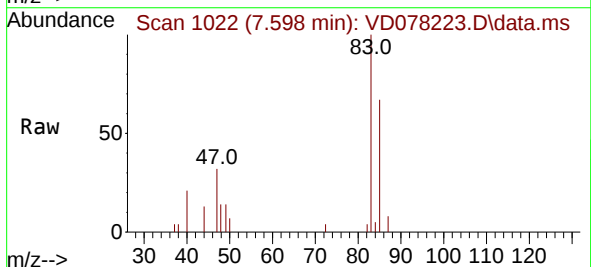
Tgt Ion: 42 Resp: 4489
Ion Ratio Lower Upper
42 100
72 38.6 46.5 69.7
71 30.0 44.5 66.7

Manual Integrations
APPROVED

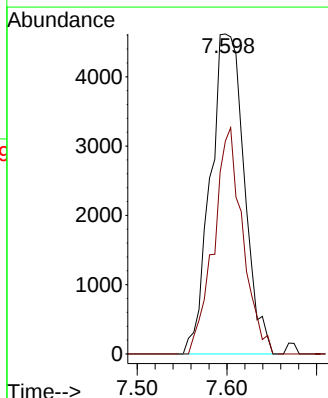
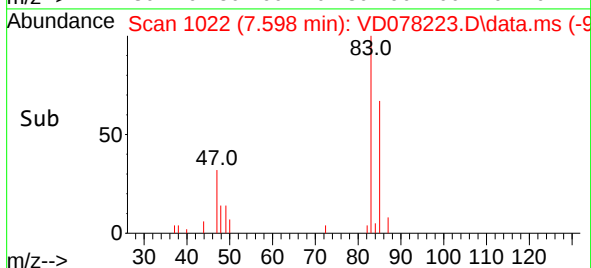
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

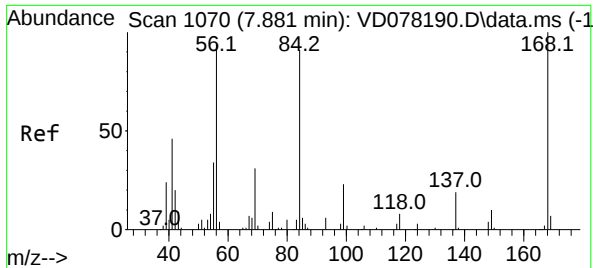


#30
Chloroform
Concen: 4.340 ug/l
RT: 7.598 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



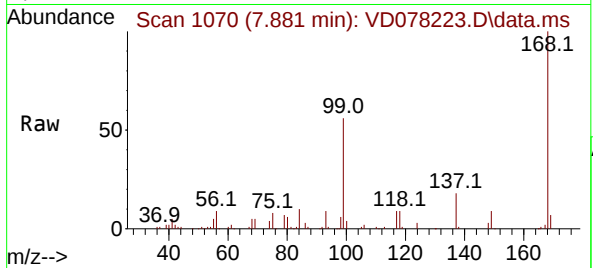
Tgt Ion: 83 Resp: 12094
Ion Ratio Lower Upper
83 100
85 66.5 53.4 80.2





#31
Cyclohexane
Concen: 5.021 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

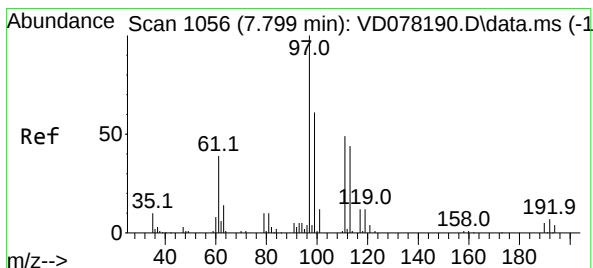
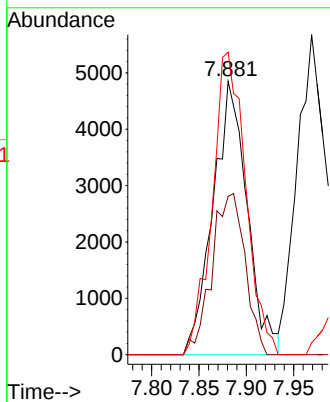
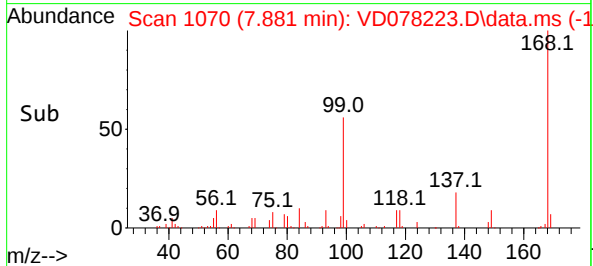
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



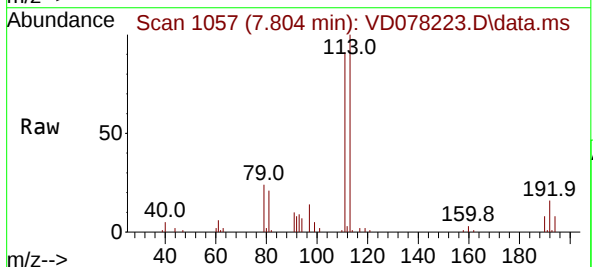
Tgt Ion: 56 Resp: 12169
Ion Ratio Lower Upper
56 100
69 57.9 28.6 43.0
84 110.7 84.8 127.2

Manual Integrations
APPROVED

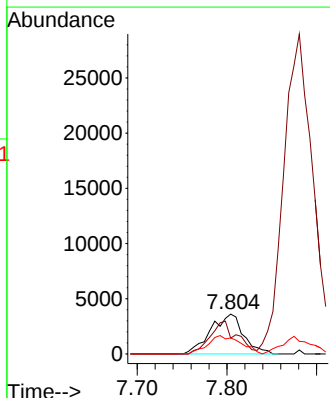
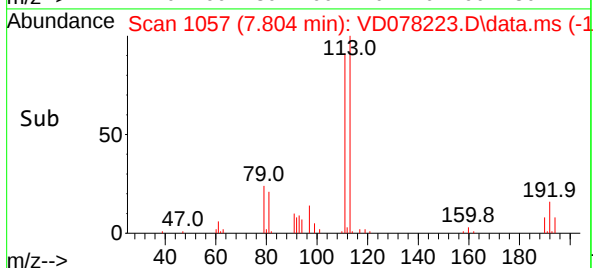
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

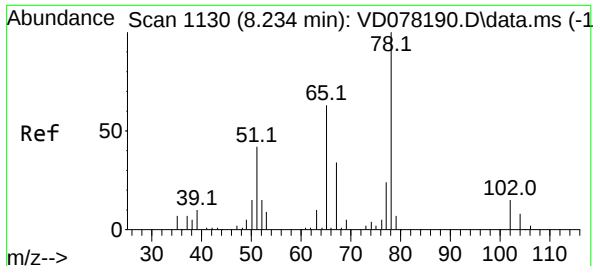


#32
1,1,1-Trichloroethane
Concen: 3.797 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion: 97 Resp: 9140
Ion Ratio Lower Upper
97 100
99 67.7 52.0 78.0
61 46.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.466 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 65 Resp: 6352

Ion Ratio Lower Upper

65 100

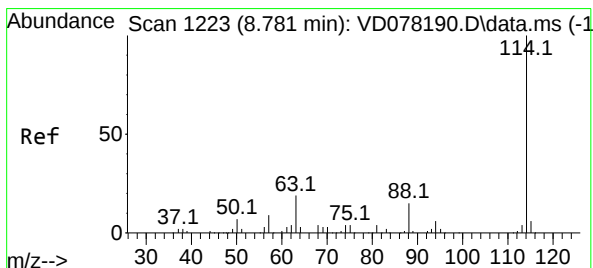
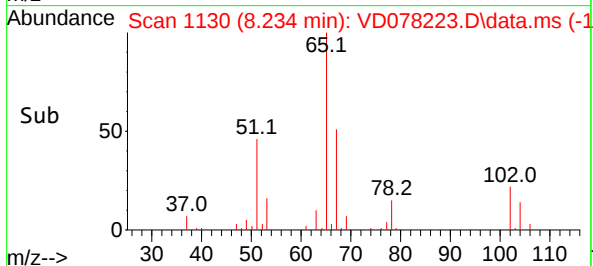
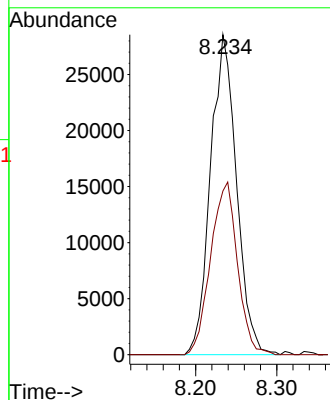
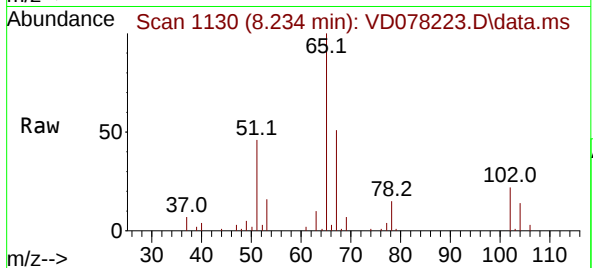
67 55.7 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

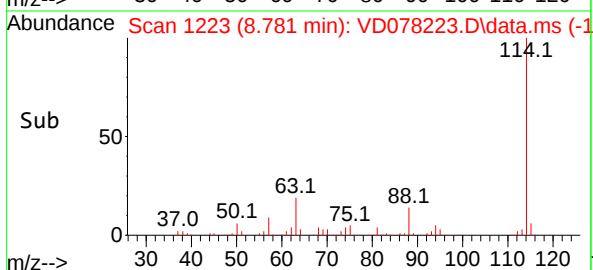
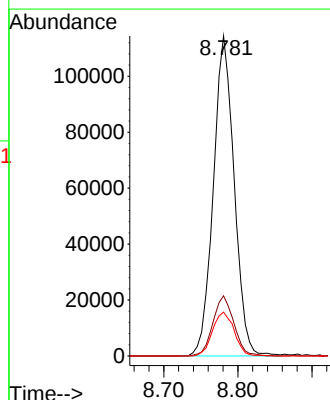
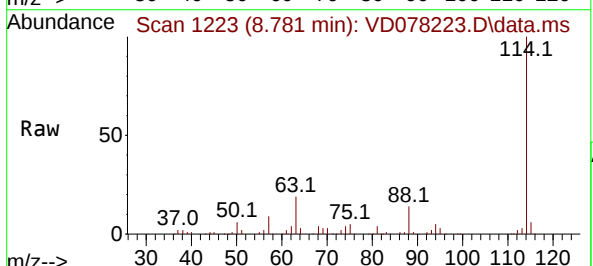
Tgt Ion:114 Resp: 223589

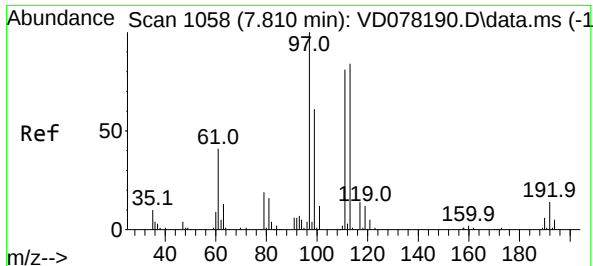
Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 45.843 ug/l

RT: 7.816 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

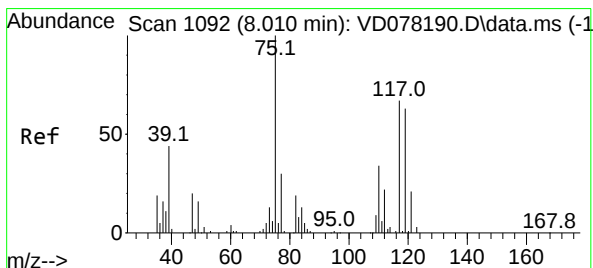
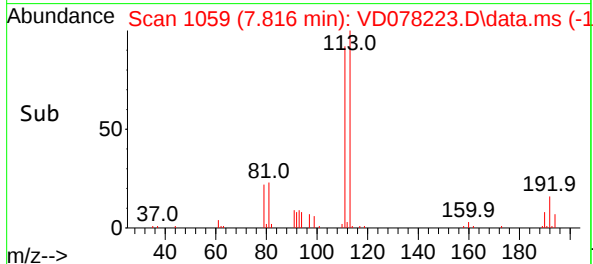
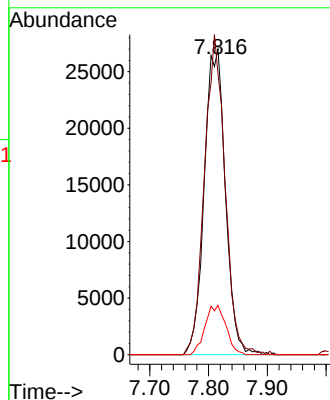
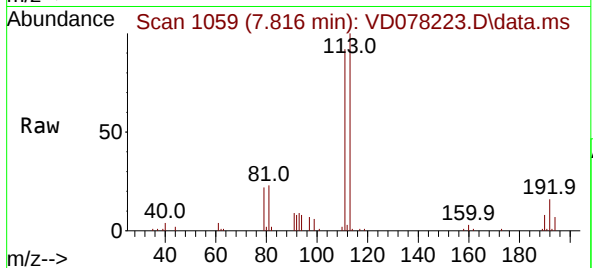
MDL-SOIL-03-QT1-2024

Tgt Ion:	113	Resp:	6745
Ion	Ratio	Lower	Upper
113	100		
111	101.4	84.7	127.1
192	16.0	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#36

1,1-Dichloropropene

Concen: 3.748 ug/l

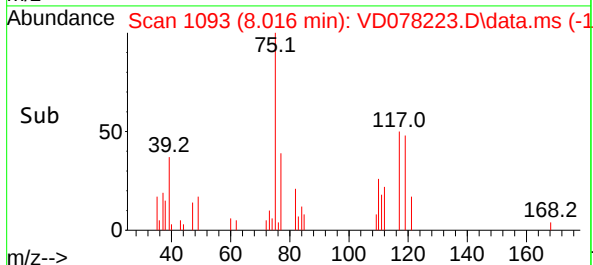
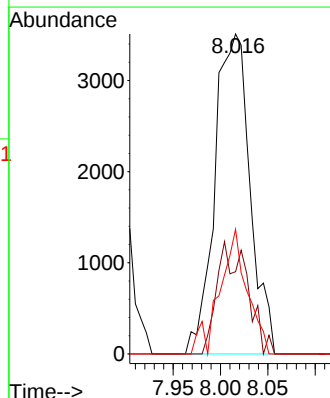
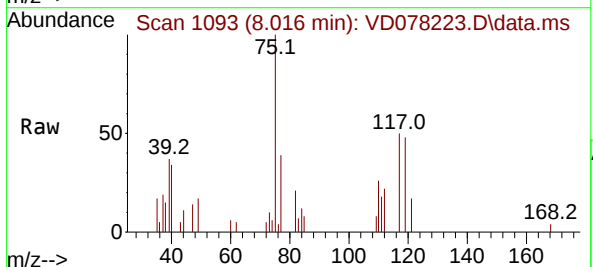
RT: 8.016 min Scan# 1093

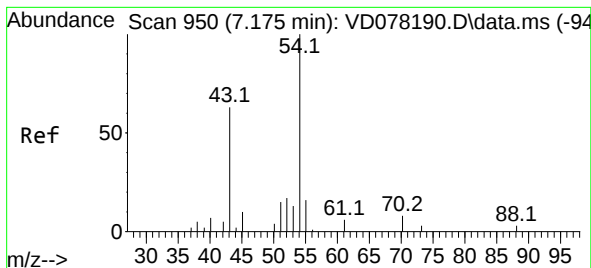
Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:	75	Resp:	9069
Ion	Ratio	Lower	Upper
75	100		
110	30.1	19.9	59.6
77	30.6	24.7	37.1





#37

Ethyl Acetate

Concen: 3.871 ug/l m

RT: 7.181 min Scan# 9

Delta R.T. 0.006 min

Lab File: VD078223.D

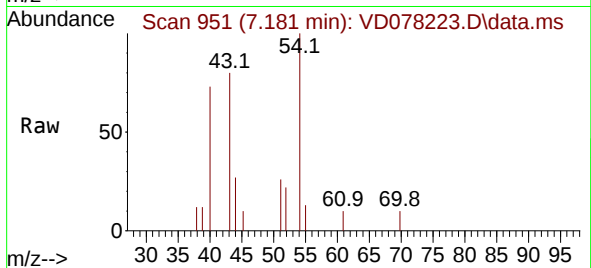
Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

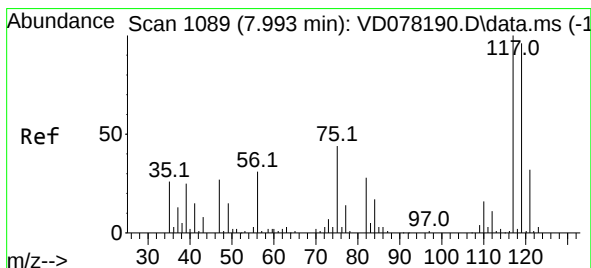
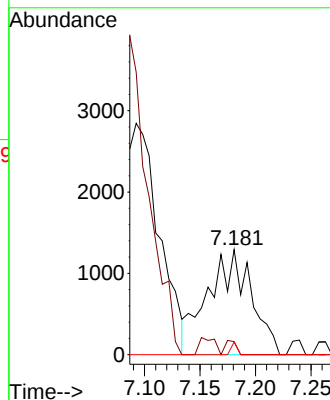
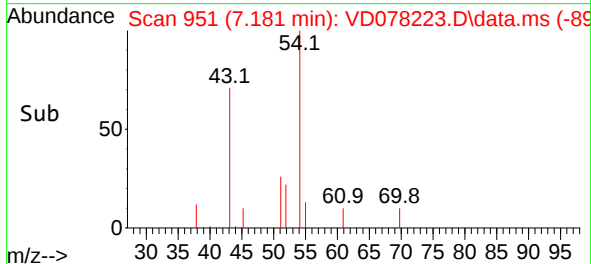


Tgt Ion:	43	Resp:	348
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.9	22.3
70	1.6	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#38

Carbon Tetrachloride

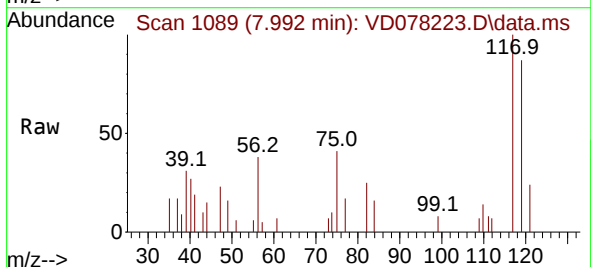
Concen: 3.541 ug/l

RT: 7.992 min Scan# 1089

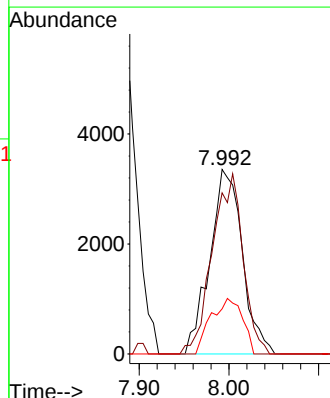
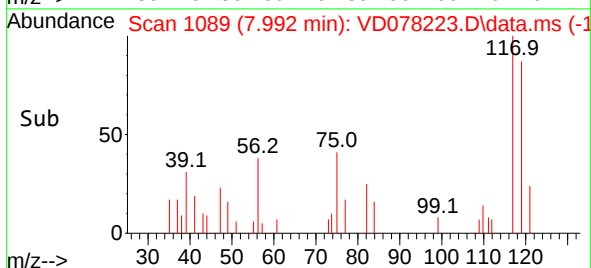
Delta R.T. -0.000 min

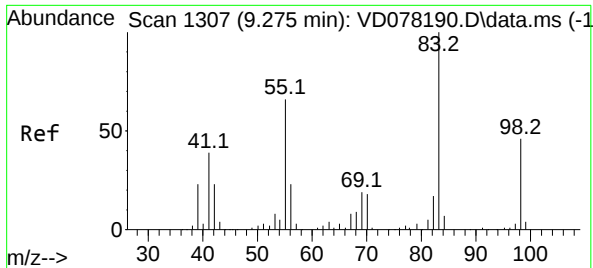
Lab File: VD078223.D

Acq: 24 Jan 2024 15:19



Tgt Ion:	117	Resp:	8462
Ion	Ratio	Lower	Upper
117	100		
119	87.3	78.0	117.0
121	24.4	24.2	36.2





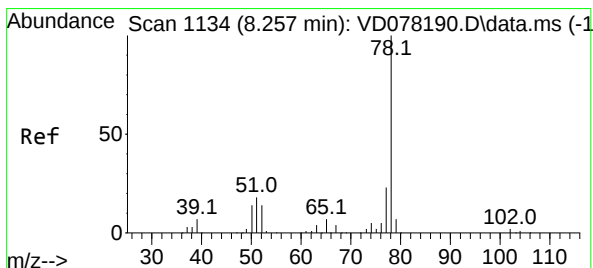
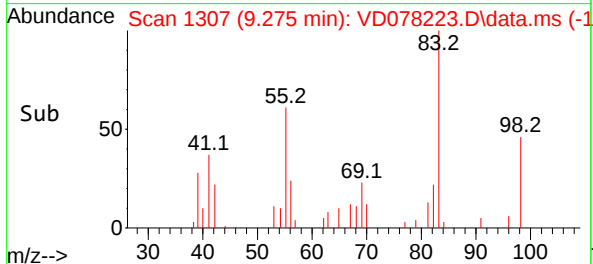
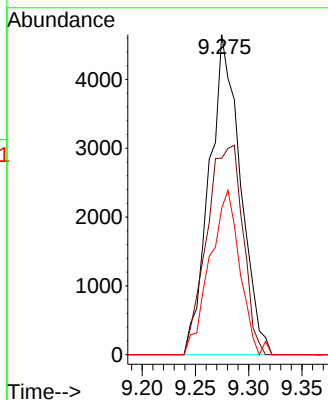
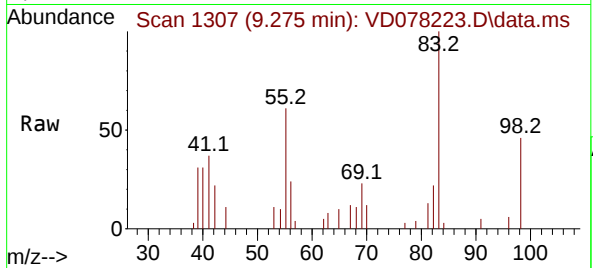
#39
Methylcyclohexane
Concen: 3.306 ug/l
RT: 9.275 min Scan# 11307
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

Tgt Ion: 83 Resp: 946
Ion Ratio Lower Upper
83 100
55 61.4 49.4 74.0
98 45.8 38.4 57.6

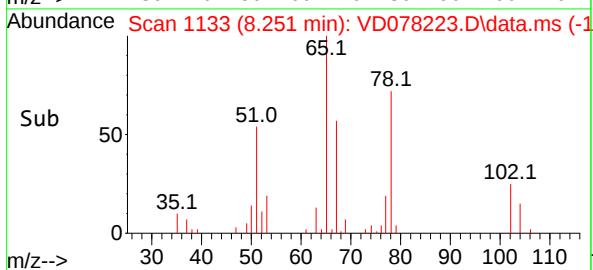
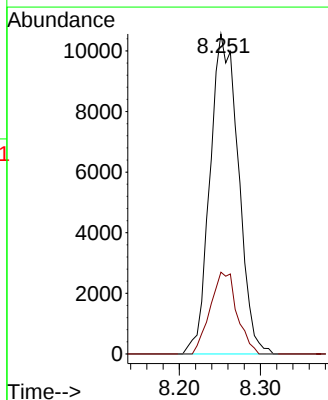
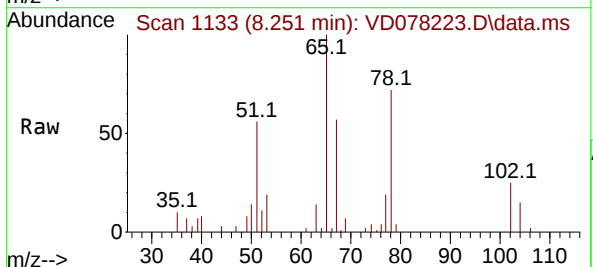
Manual Integrations
APPROVED

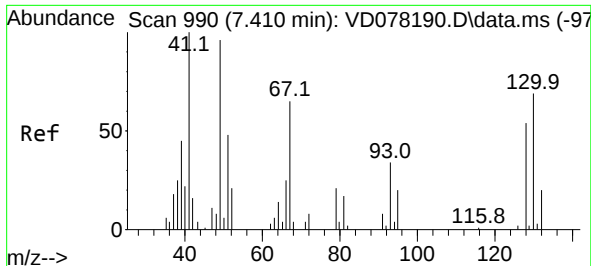
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#40
Benzene
Concen: 3.725 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

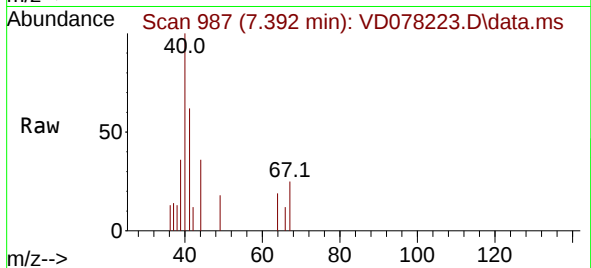
Tgt Ion: 78 Resp: 25580
Ion Ratio Lower Upper
78 100
77 25.6 19.4 29.0





#41
Methacrylonitrile
Concen: 3.685 ug/l
RT: 7.392 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

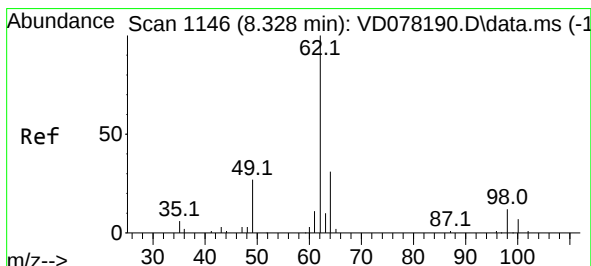
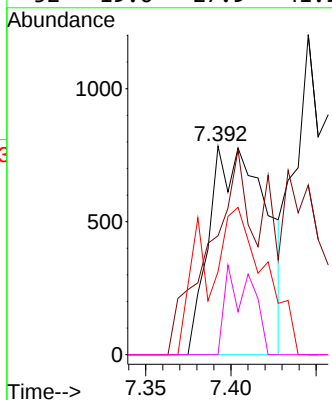
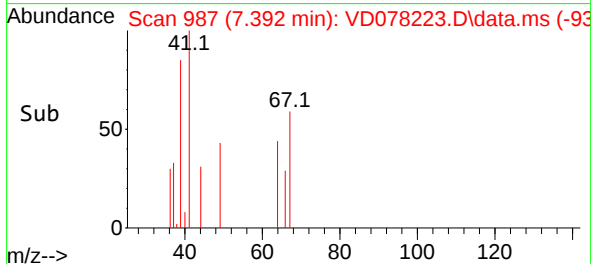
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 41 Resp: 182
Ion Ratio Lower Upper
41 100
39 73.7 34.0 51.0
67 55.5 77.0 115.4
52 19.6 27.9 41.9

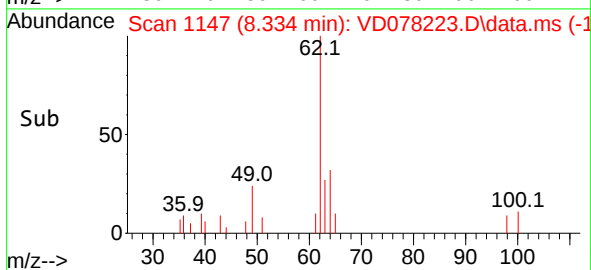
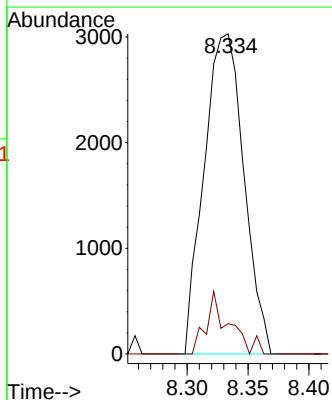
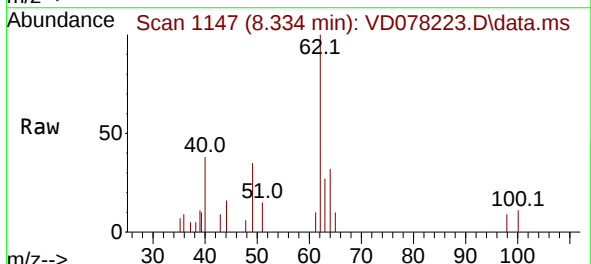
Manual Integrations
APPROVED

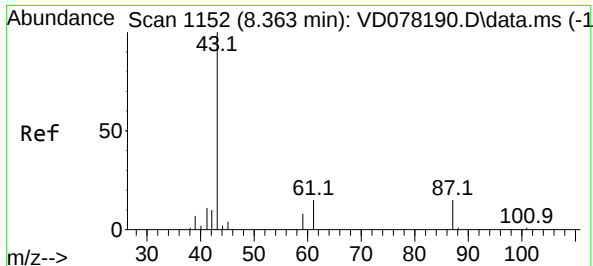
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#42
1,2-Dichloroethane
Concen: 3.856 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 62 Resp: 6890
Ion Ratio Lower Upper
62 100
98 11.2 0.0 25.4





#43

Isopropyl Acetate

Concen: 3.475 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

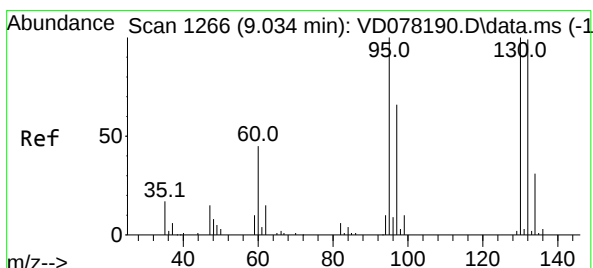
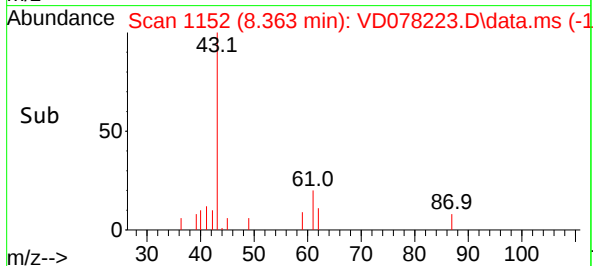
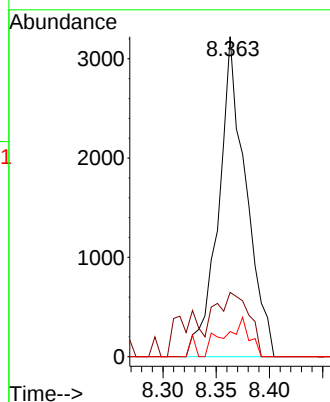
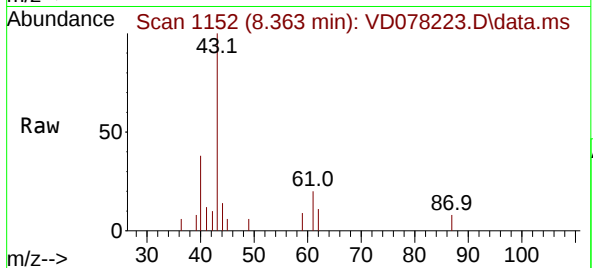
MDL-SOIL-03-QT1-2024

Tgt Ion: 43	Resp: 573
Ion Ratio	Lower Upper
43	100
61	25.1 31.4 47.0
87	11.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#44

Trichloroethene

Concen: 3.483 ug/l

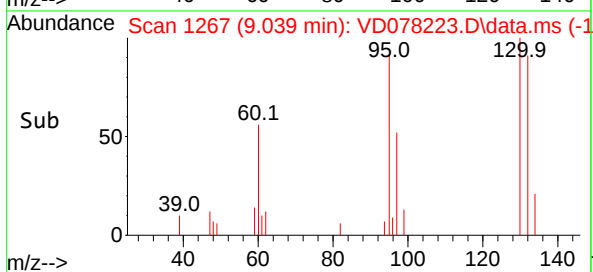
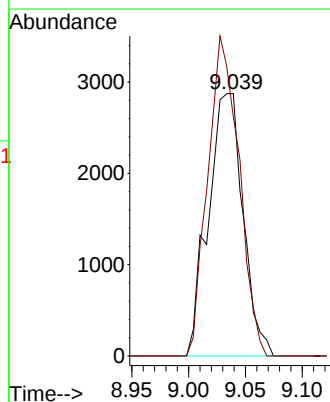
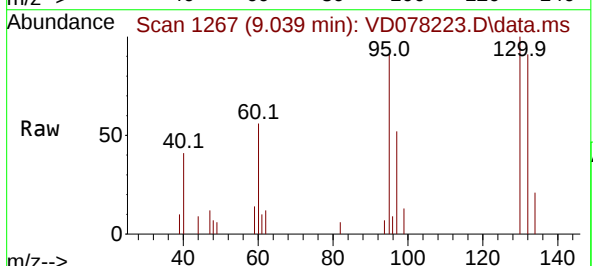
RT: 9.039 min Scan# 1267

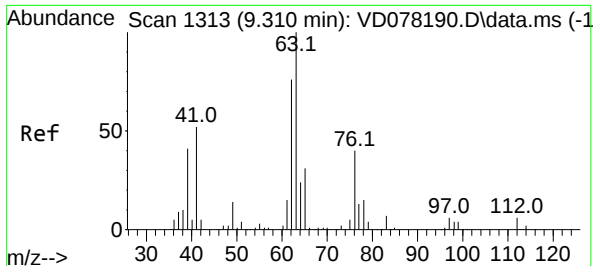
Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:130	Resp: 6119
Ion Ratio	Lower Upper
130	100
95	91.2 0.0 179.2





#45

1,2-Dichloropropane

Concen: 3.852 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

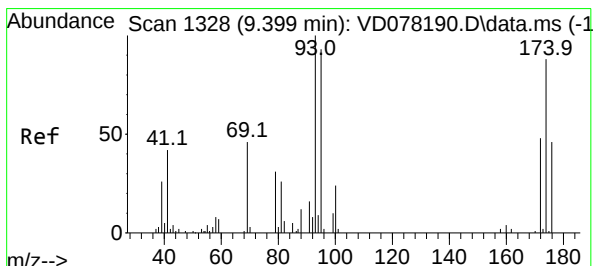
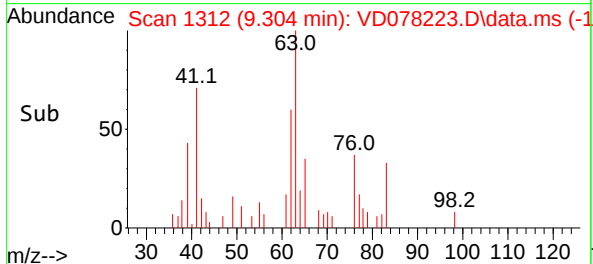
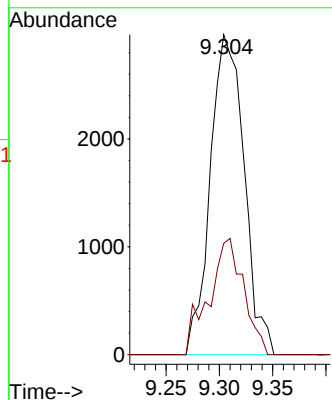
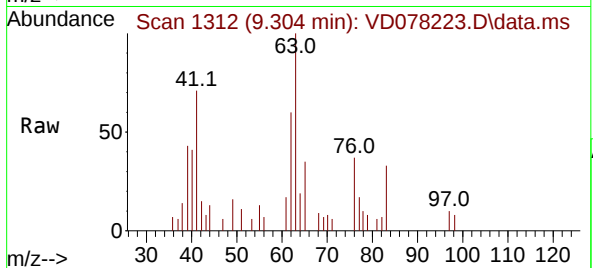
MDL-SOIL-03-QT1-2024

Tgt Ion: 63 Resp: 6564
 Ion Ratio Lower Upper
 63 100
 65 34.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#46

Dibromomethane

Concen: 3.455 ug/l

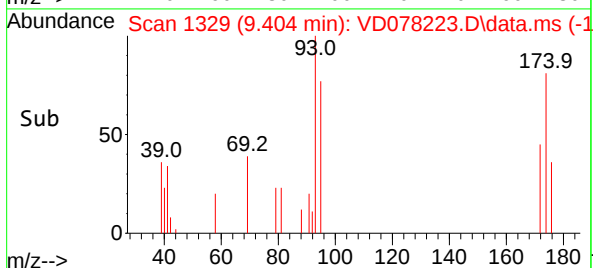
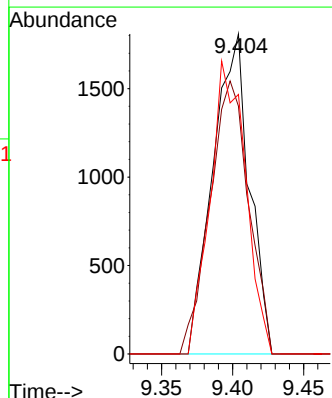
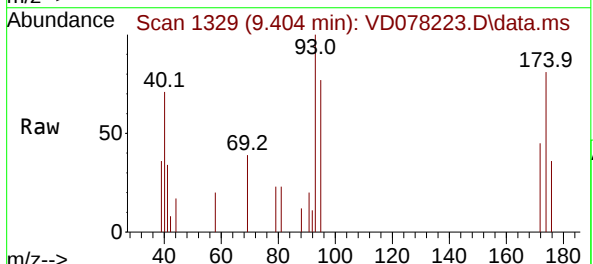
RT: 9.404 min Scan# 1329

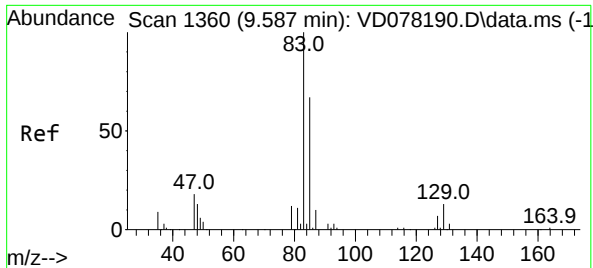
Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion: 93 Resp: 3233
 Ion Ratio Lower Upper
 93 100
 95 91.0 67.7 101.5
 174 88.6 85.4 128.2





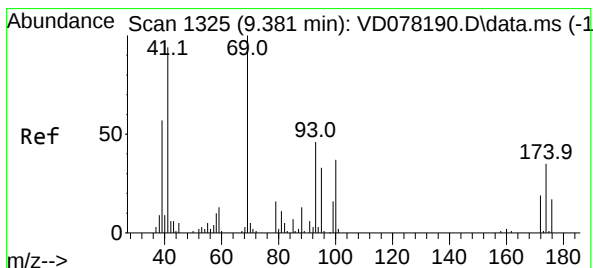
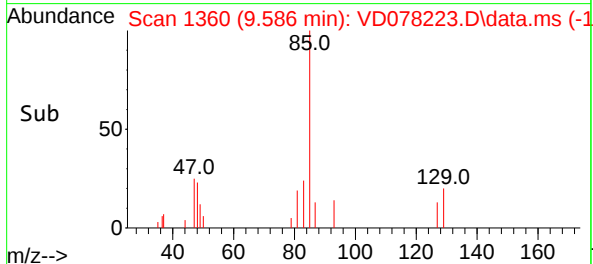
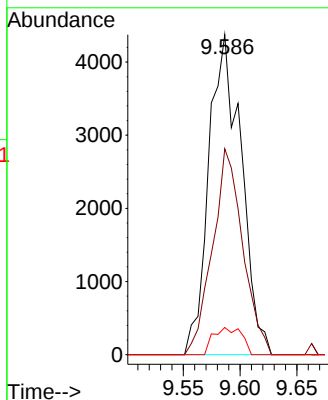
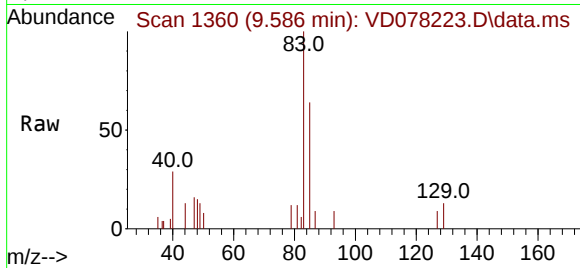
#47
 Bromodichloromethane
 Concen: 3.684 ug/l
 RT: 9.586 min Scan# 1360
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Tgt Ion: 83	Resp: 865
Ion Ratio	Lower Upper
83 100	
85 64.4	50.2 75.4
127 8.5	6.3 9.5

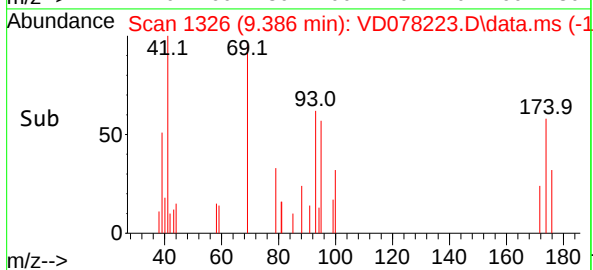
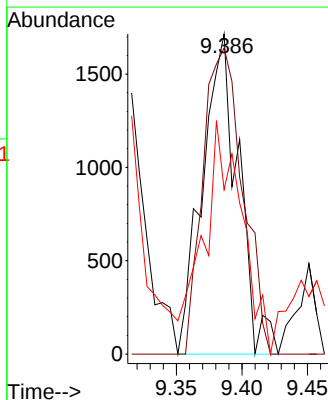
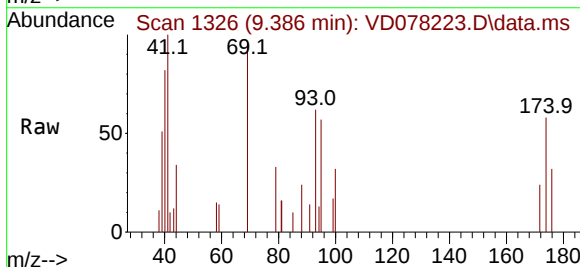
Manual Integrations
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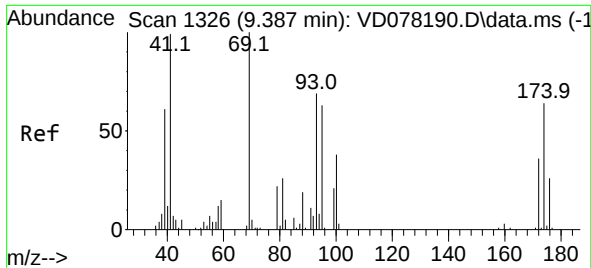
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#48
 Methyl methacrylate
 Concen: 3.445 ug/l
 RT: 9.386 min Scan# 1326
 Delta R.T. 0.006 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

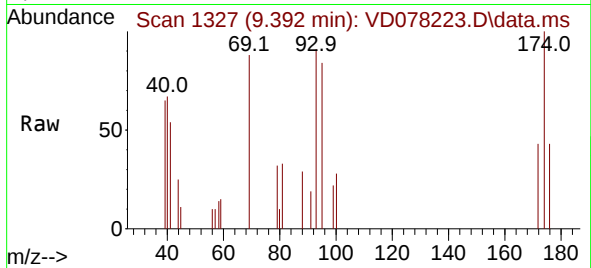
Tgt Ion: 41	Resp: 3292
Ion Ratio	Lower Upper
41 100	
69 105.3	102.2 153.2
39 76.2	41.4 62.2





#49
1,4-Dioxane
Concen: 87.468 ug/l
RT: 9.392 min Scan# 1327
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

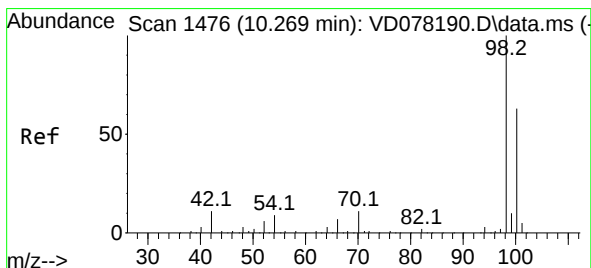
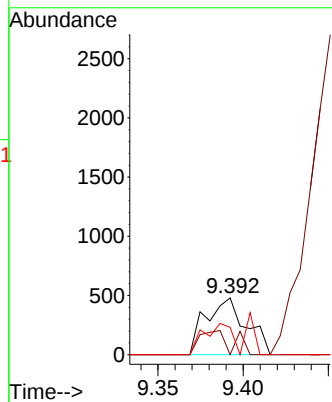
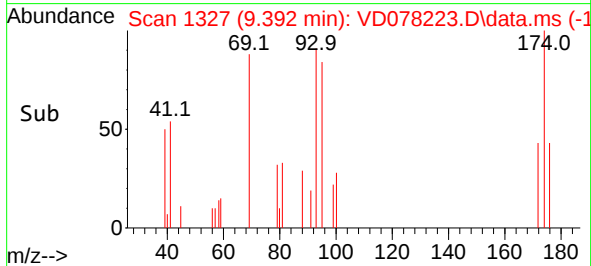
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 88 Resp: 792
Ion Ratio Lower Upper
88 100
43 33.8 19.0 28.6
58 38.3 43.5 65.3

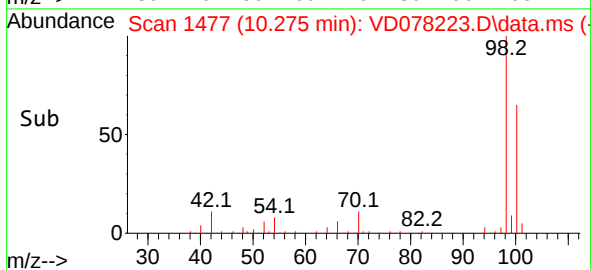
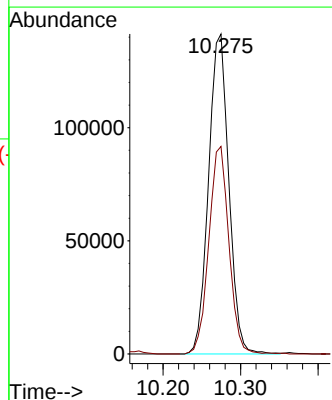
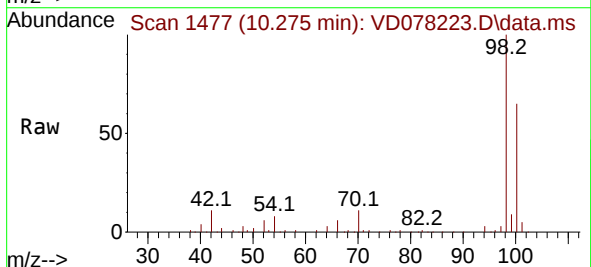
Manual Integrations
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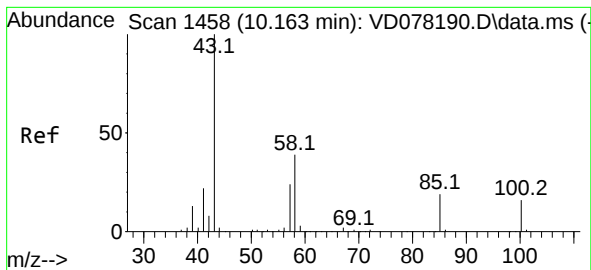
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#50
Toluene-d8
Concen: 44.045 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 98 Resp: 256634
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5





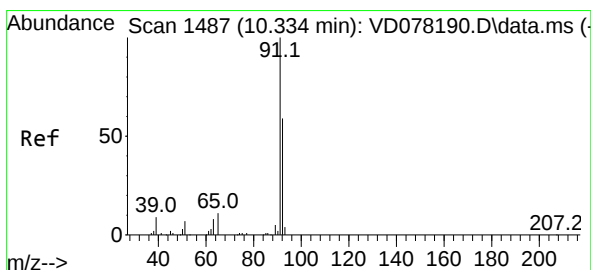
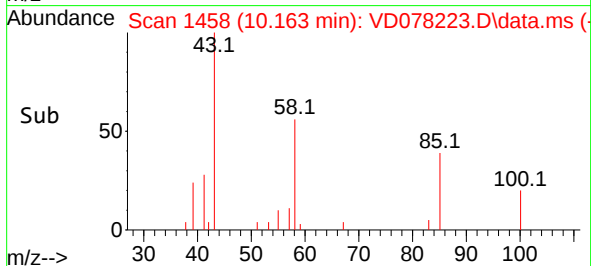
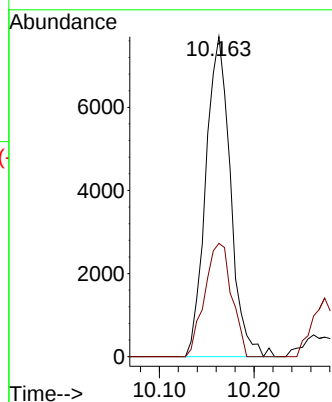
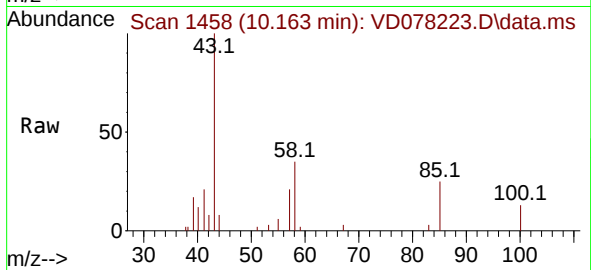
#51
4-Methyl-2-Pentanone
Concen: 16.068 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 13938
Ion Ratio Lower Upper
43 100
58 38.7 38.9 58.3

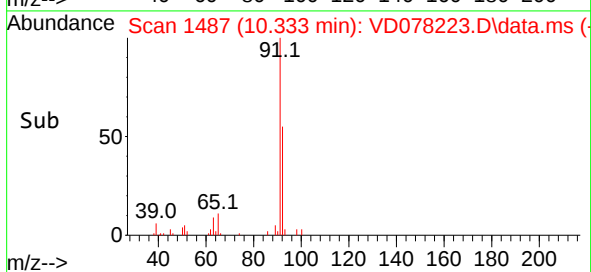
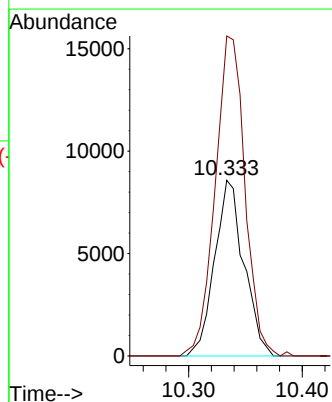
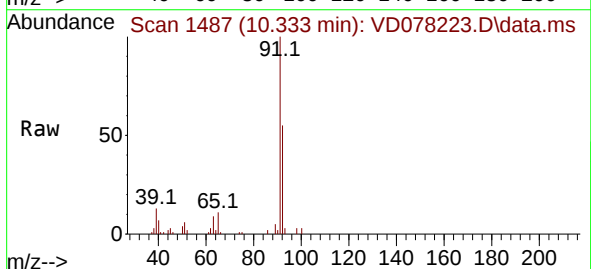
Manual Integrations
APPROVED

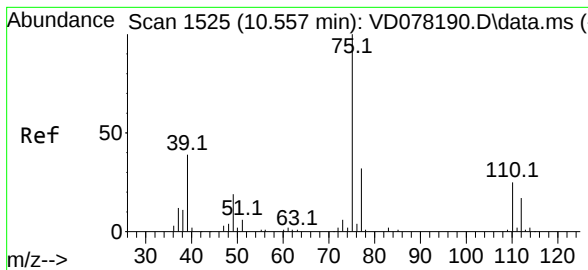
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#52
Toluene
Concen: 3.532 ug/l
RT: 10.333 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

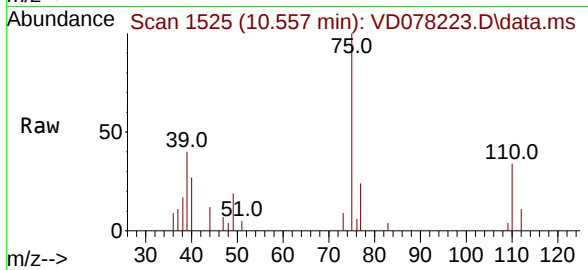
Tgt Ion: 92 Resp: 15376
Ion Ratio Lower Upper
92 100
91 185.2 143.0 214.4





#53
t-1,3-Dichloropropene
Concen: 3.446 ug/l
RT: 10.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

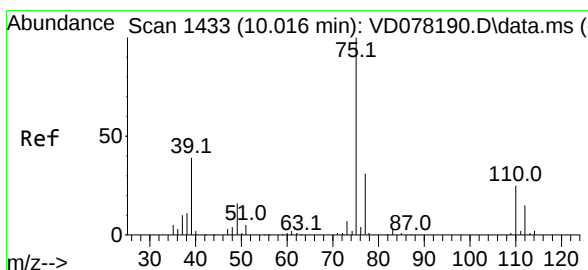
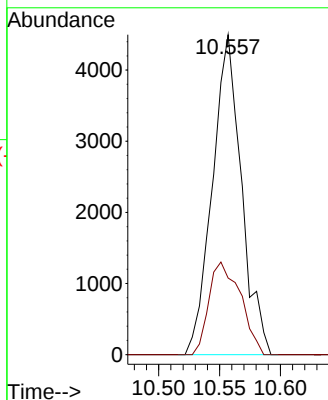
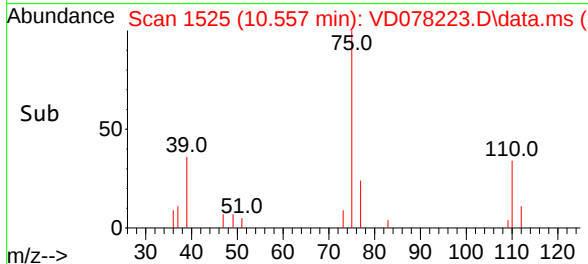
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 75 Resp: 7474
Ion Ratio Lower Upper
75 100
77 24.0 25.3 37.9

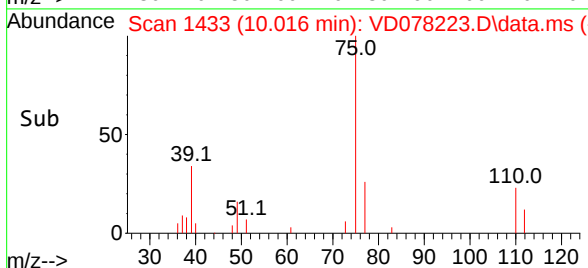
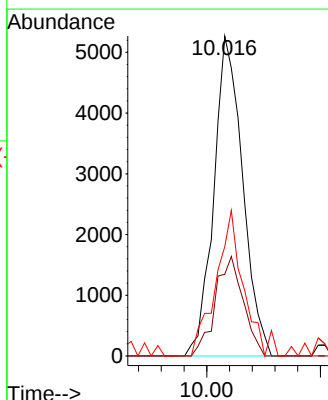
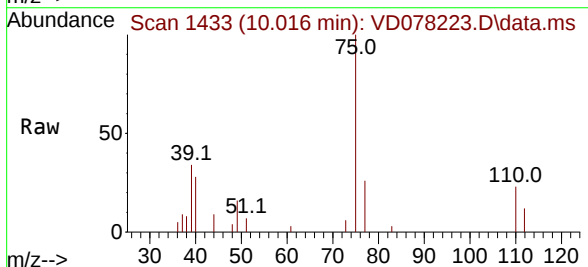
Manual Integrations
APPROVED

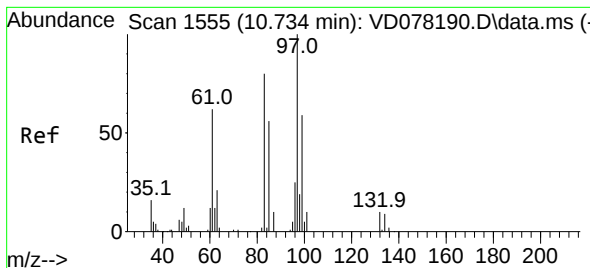
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#54
cis-1,3-Dichloropropene
Concen: 3.575 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

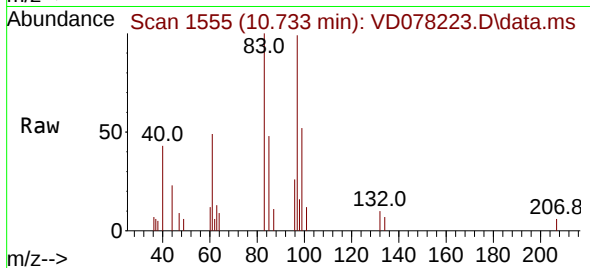
Tgt Ion: 75 Resp: 9293
Ion Ratio Lower Upper
75 100
77 25.5 25.5 38.3
39 34.2 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 3.458 ug/l
RT: 10.733 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

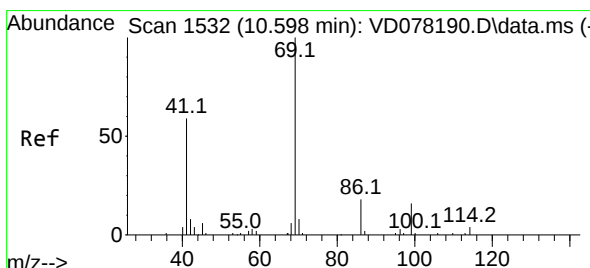
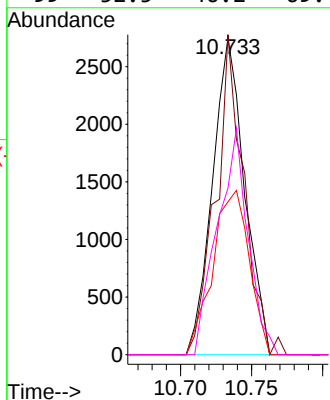
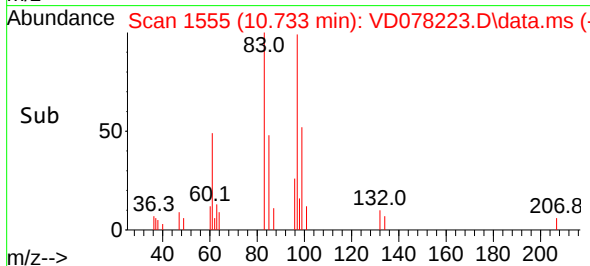
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



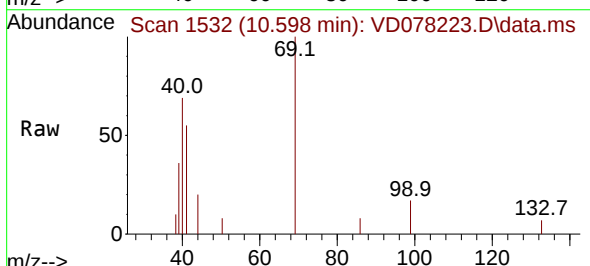
Tgt Ion	Ratio	Lower	Upper
97	100		
83	100.9	65.8	98.6
85	48.2	45.7	68.5
99	52.5	46.2	69.4

Manual Integrations
APPROVED

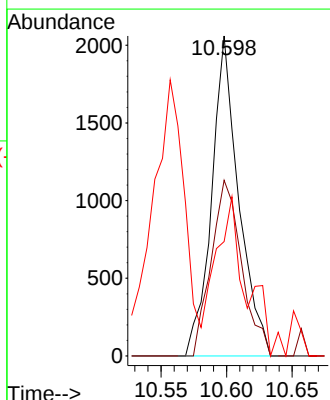
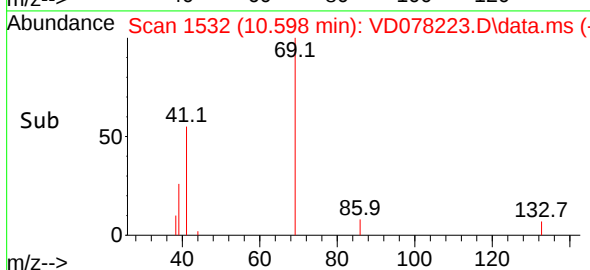
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

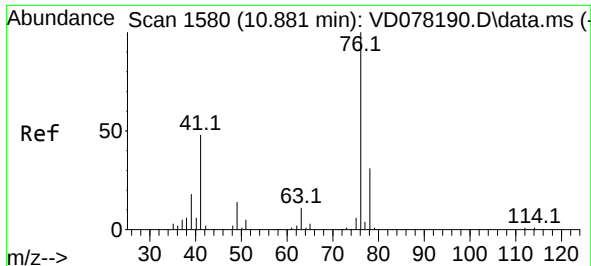


#56
Ethyl methacrylate
Concen: 2.883 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	39.1	58.7#
39	57.0	20.0	30.0#





#57

1,3-Dichloropropane

Concen: 3.748 ug/l

RT: 10.880 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 802

Ion Ratio Lower Upper

76 100

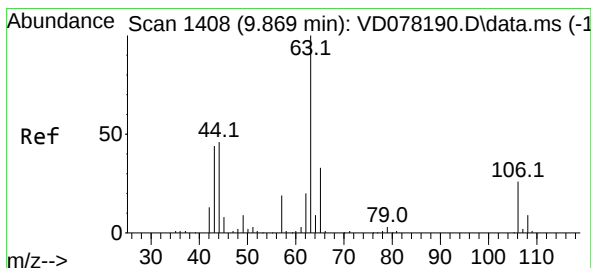
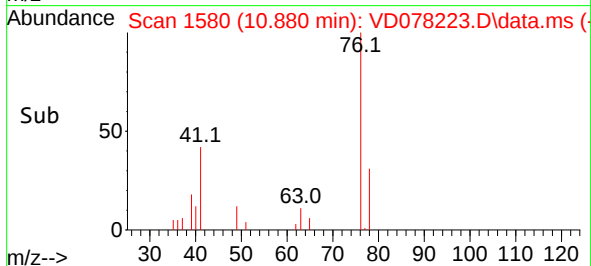
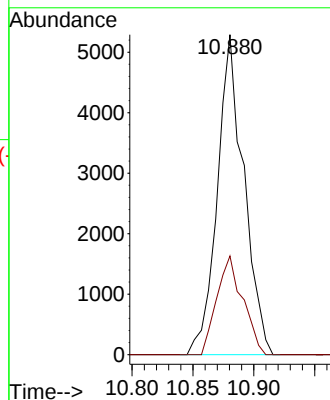
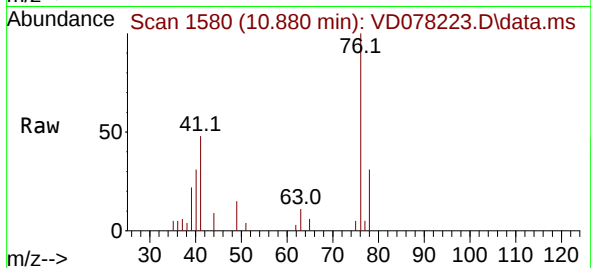
78 30.1 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 15.531 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD078223.D

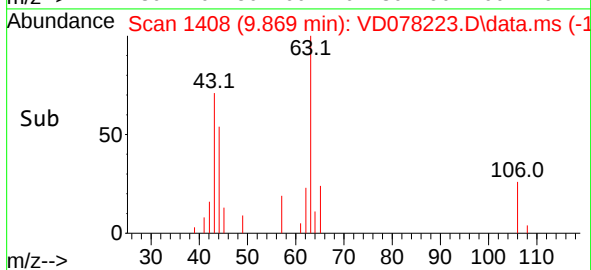
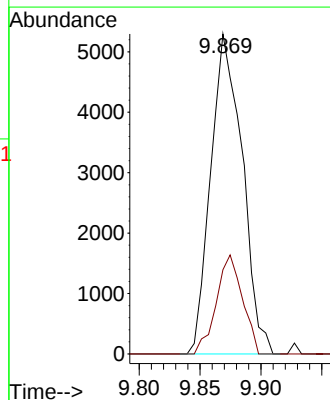
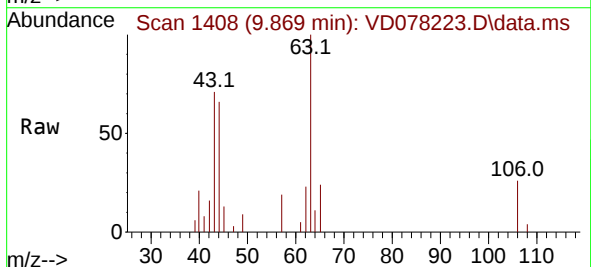
Acq: 24 Jan 2024 15:19

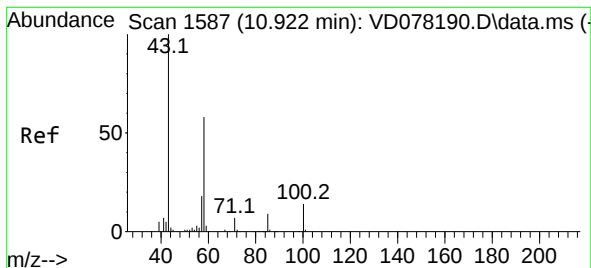
Tgt Ion: 63 Resp: 9540

Ion Ratio Lower Upper

63 100

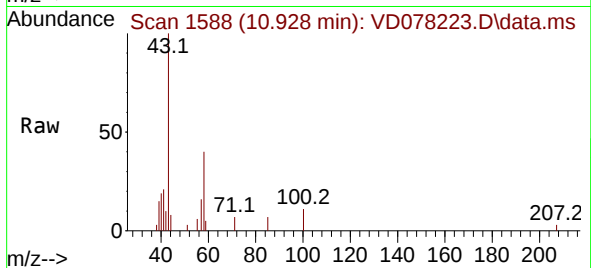
106 25.6 25.3 37.9





#59
2-Hexanone
Concen: 14.964 ug/l
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

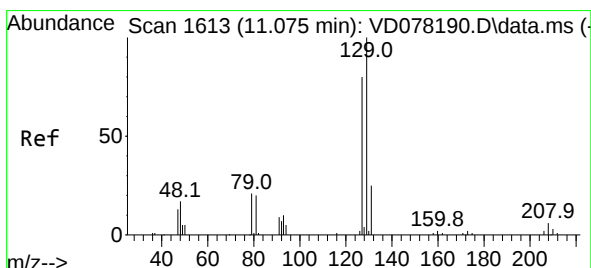
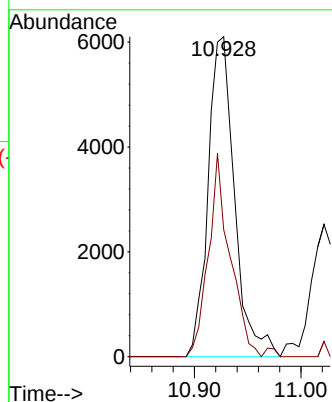
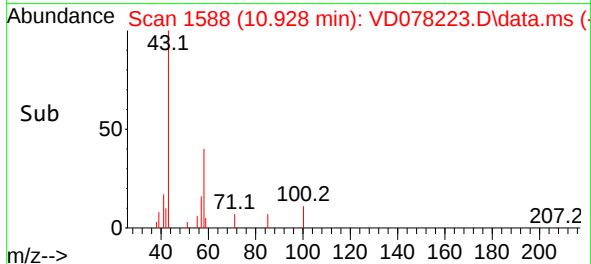
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



Tgt Ion: 43 Resp: 10540
Ion Ratio Lower Upper
43 100
58 51.6 34.1 102.2

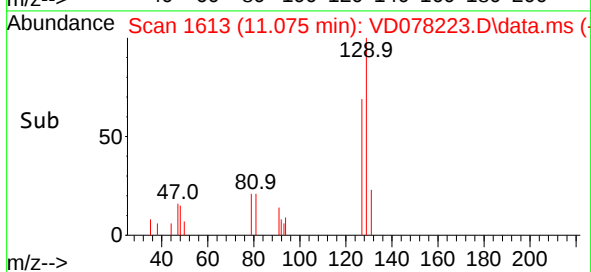
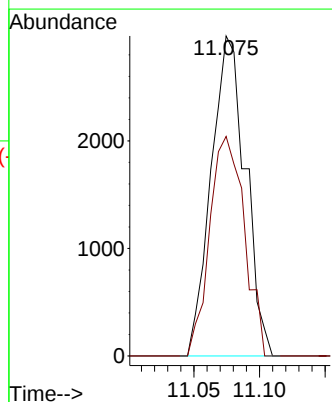
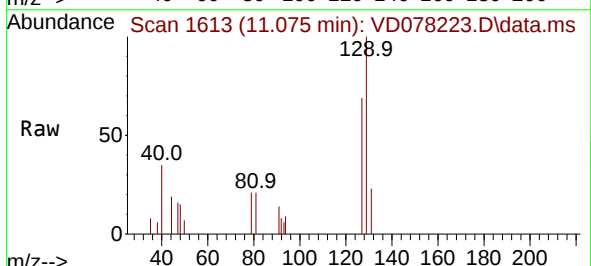
Manual Integrations
APPROVED

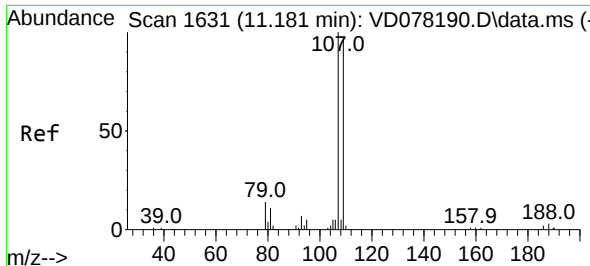
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#60
Dibromochloromethane
Concen: 3.665 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:129 Resp: 5411
Ion Ratio Lower Upper
129 100
127 69.3 37.1 111.5





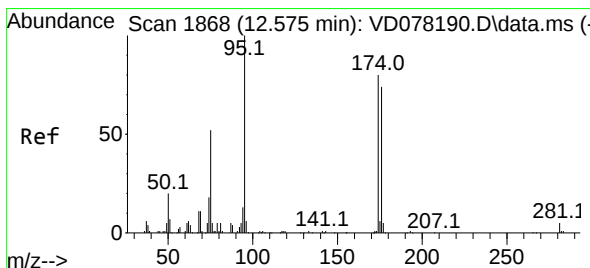
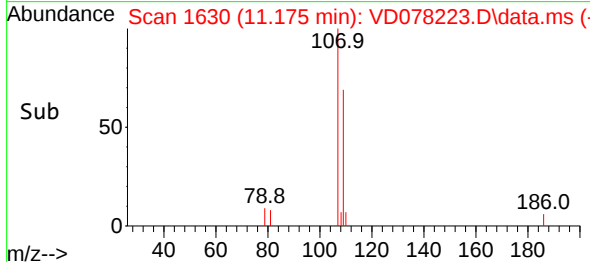
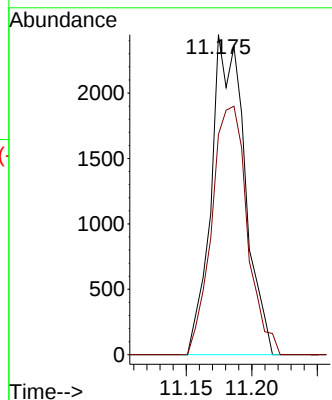
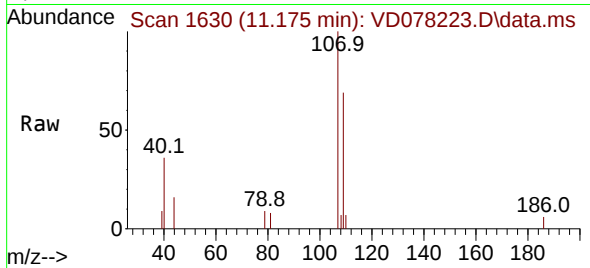
#61
1,2-Dibromoethane
Concen: 3.762 ug/l
RT: 11.175 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 434
Ion Ratio Lower Upper
107 100
109 82.3 75.6 113.4

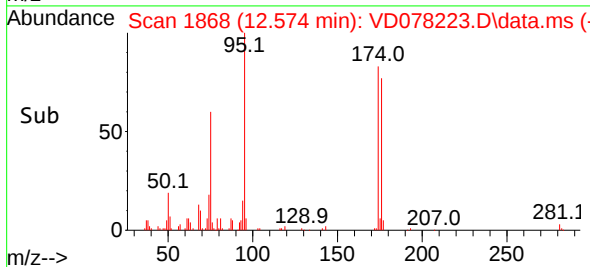
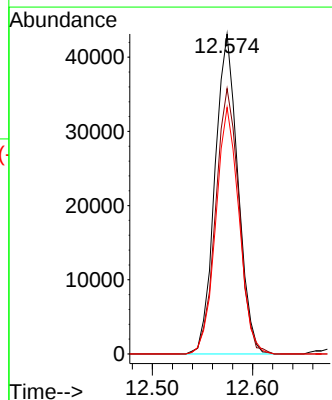
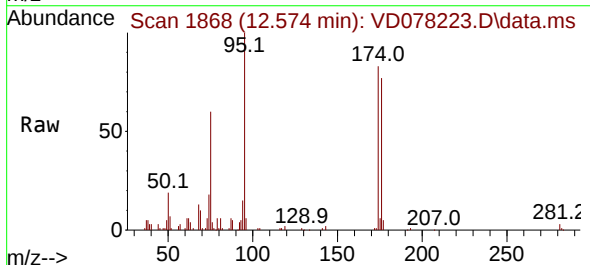
Manual Integrations
APPROVED

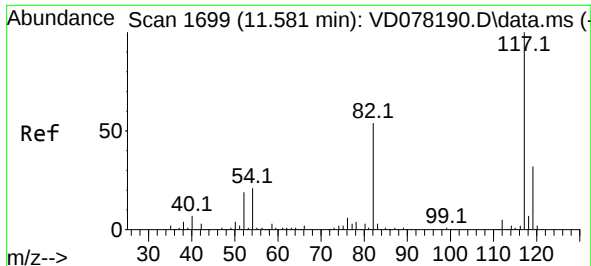
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#62
4-Bromofluorobenzene
Concen: 40.704 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

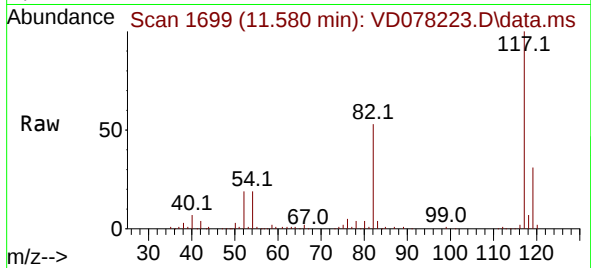
Tgt Ion: 95 Resp: 68780
Ion Ratio Lower Upper
95 100
174 84.2 0.0 201.8
176 77.7 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

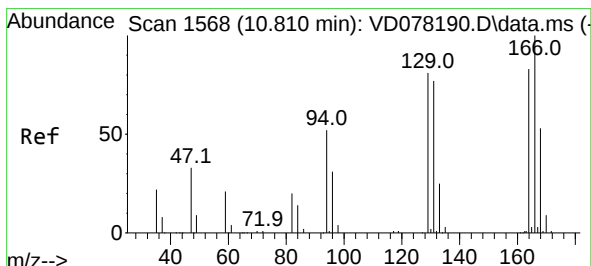
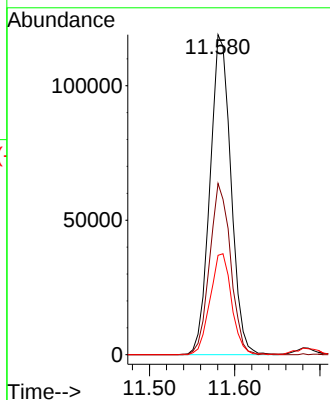
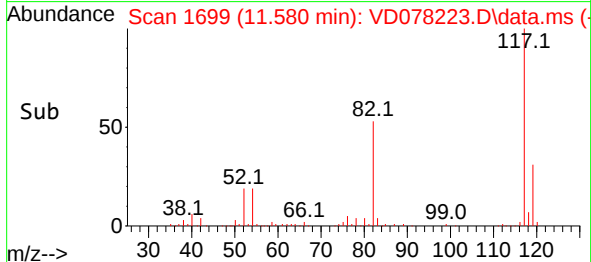
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



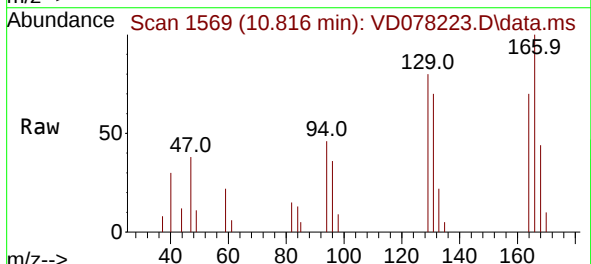
Tgt Ion:117 Resp: 203324
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 31.1 25.0 37.4

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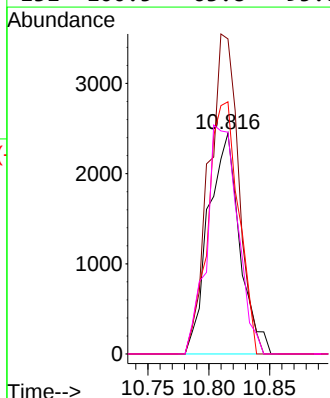
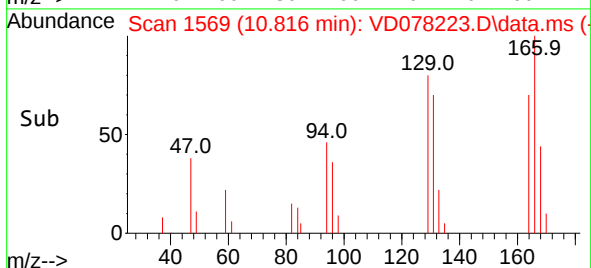
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

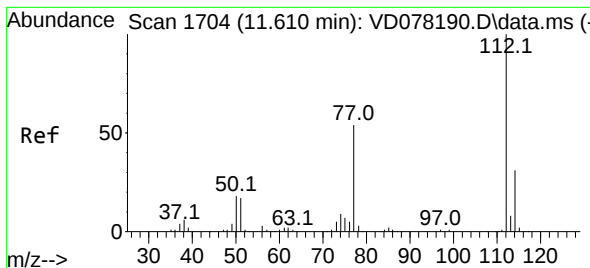


#64
Tetrachloroethene
Concen: 3.295 ug/l
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion:164 Resp: 4380
Ion Ratio Lower Upper
164 100
166 142.8 99.2 148.8
129 114.3 68.4 102.6#
131 100.5 63.8 95.8#





#65

Chlorobenzene

Concen: 3.875 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 1740

Ion Ratio Lower Upper

112 100

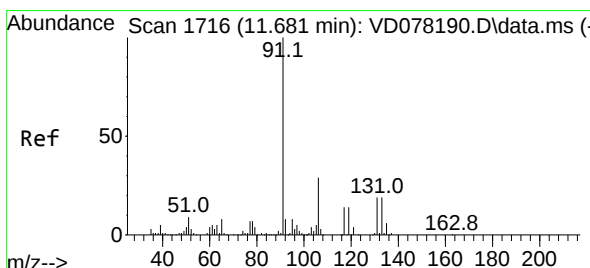
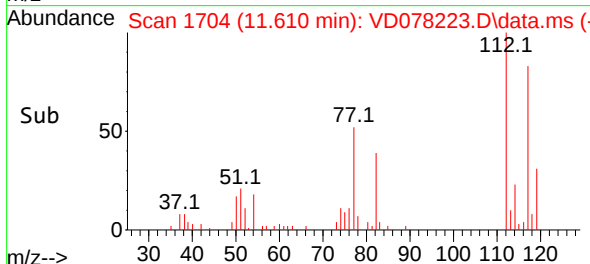
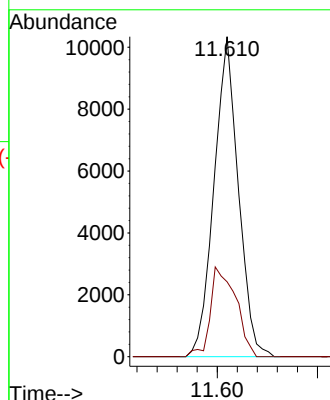
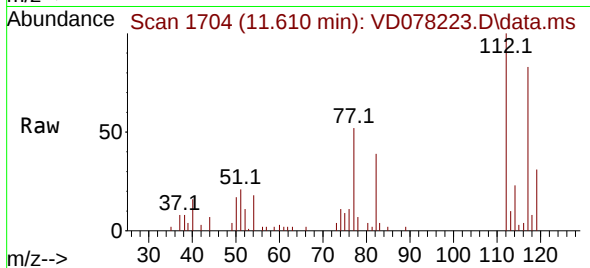
114 23.4 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024

Supervised By :Semsettin Yesilyurt 01/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 3.509 ug/l

RT: 11.680 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

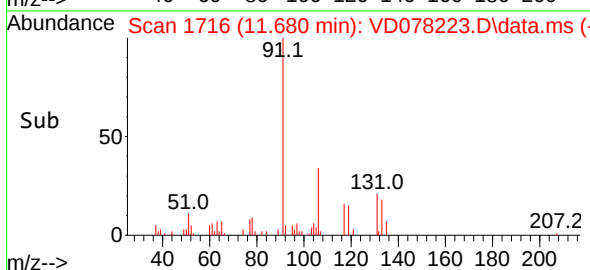
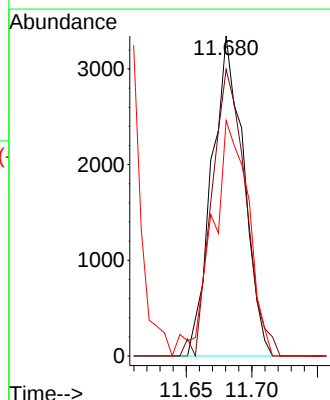
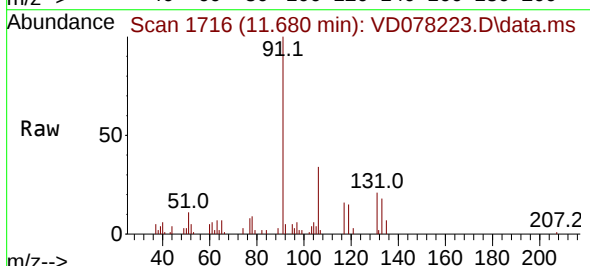
Tgt Ion:131 Resp: 5633

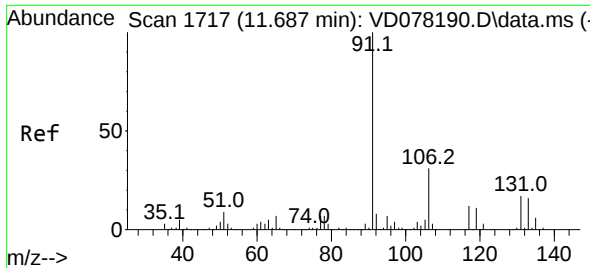
Ion Ratio Lower Upper

131 100

133 94.8 48.5 145.5

119 83.6 35.6 106.9





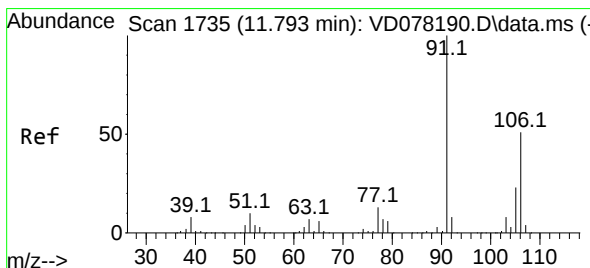
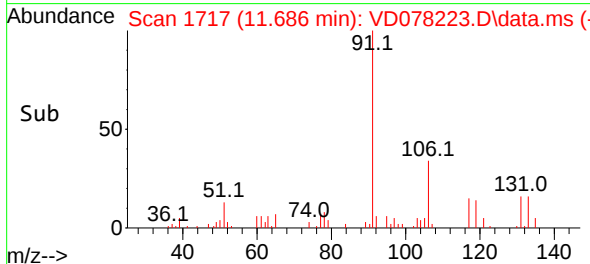
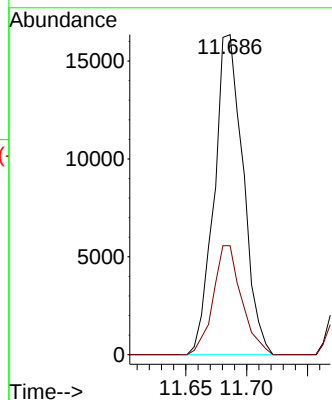
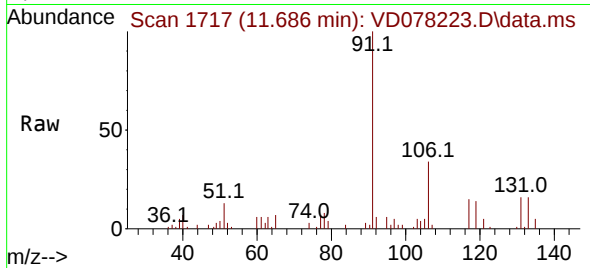
#67
Ethyl Benzene
Concen: 3.301 ug/l
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 26984
Ion Ratio Lower Upper
91 100
106 34.1 26.5 39.7

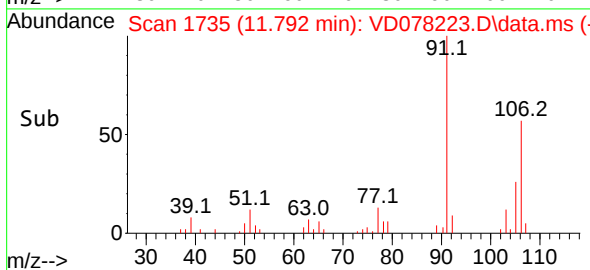
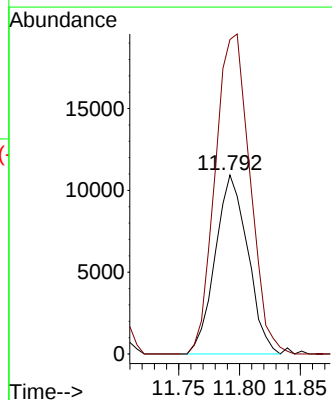
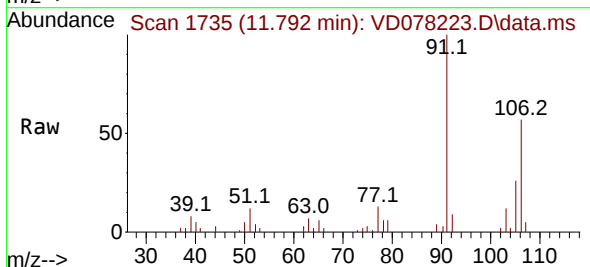
Manual Integrations
APPROVED

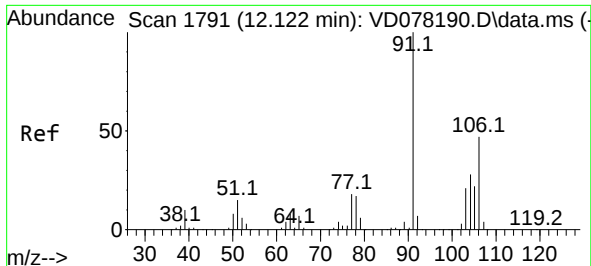
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#68
m/p-Xylenes
Concen: 6.513 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:106 Resp: 20332
Ion Ratio Lower Upper
106 100
91 191.1 147.0 220.6





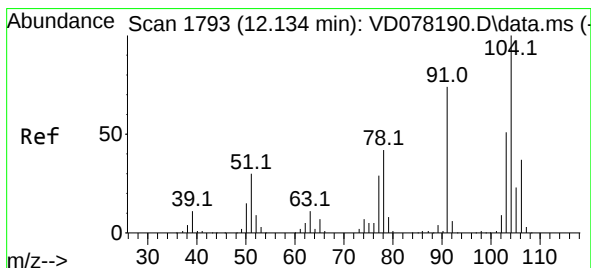
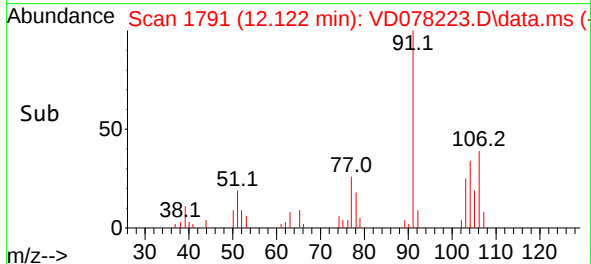
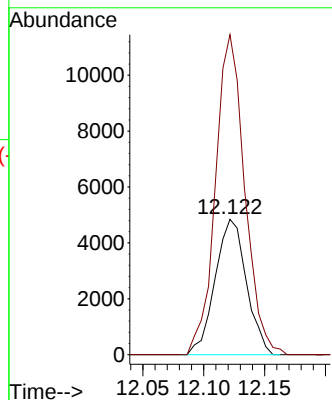
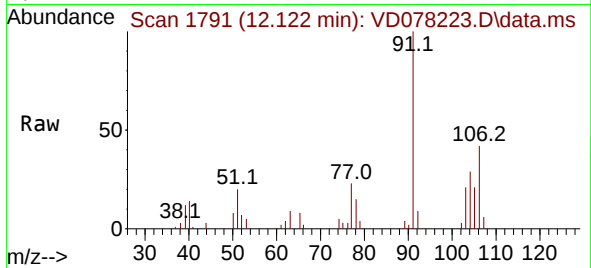
#69
o-Xylene
Concen: 3.056 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:106 Resp: 8658
Ion Ratio Lower Upper
106 100
91 221.5 97.9 293.6

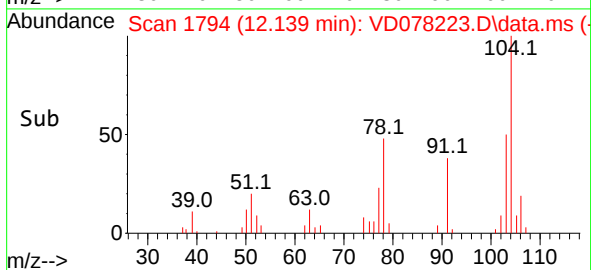
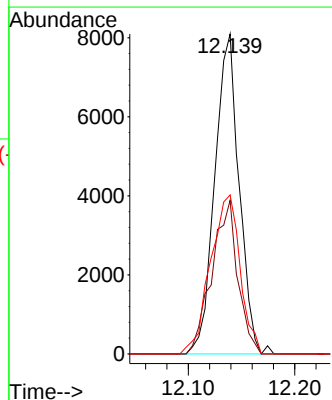
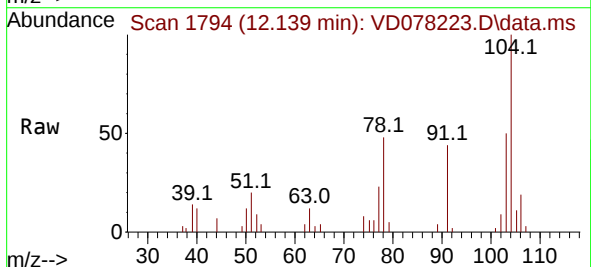
Manual Integrations
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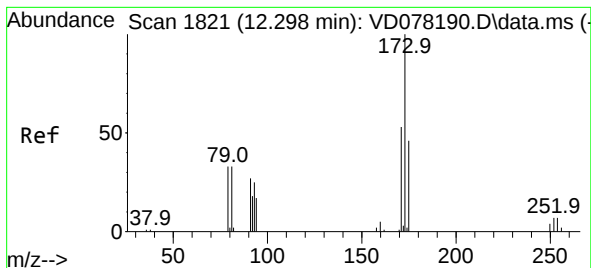
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#70
Styrene
Concen: 3.020 ug/l
RT: 12.139 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:104 Resp: 12821
Ion Ratio Lower Upper
104 100
78 51.1 33.2 49.8#
103 60.7 43.6 65.4





#71

Bromoform

Concen: 3.258 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

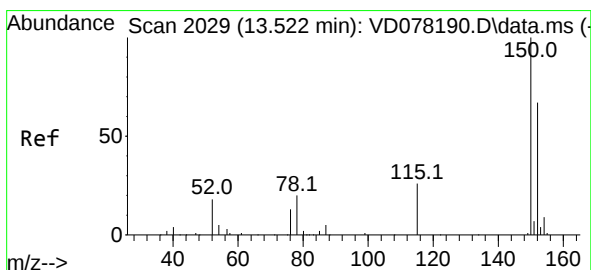
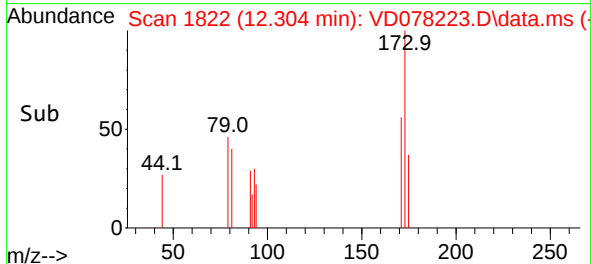
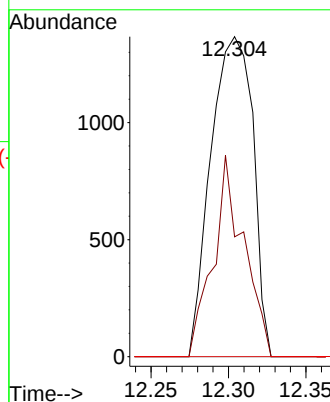
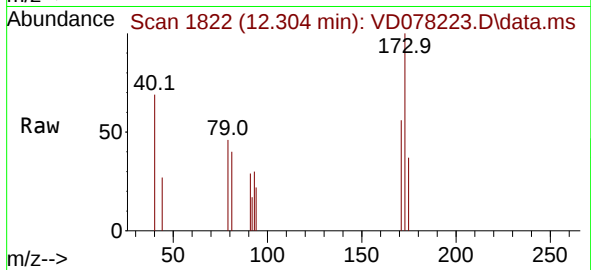
MDL-SOIL-03-QT1-2024

Tgt Ion:173	Resp:	2590
Ion Ratio	Lower	Upper
173	100	
175	45.6	24.6 73.8
254	0.0	0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

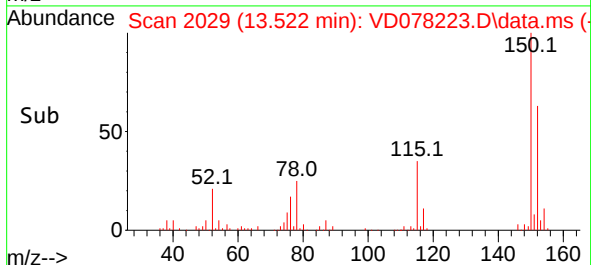
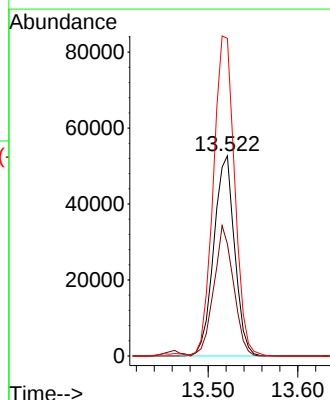
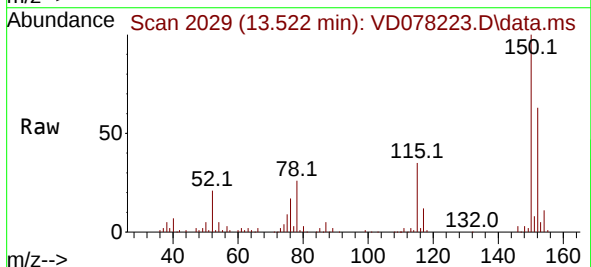
RT: 13.522 min Scan# 2029

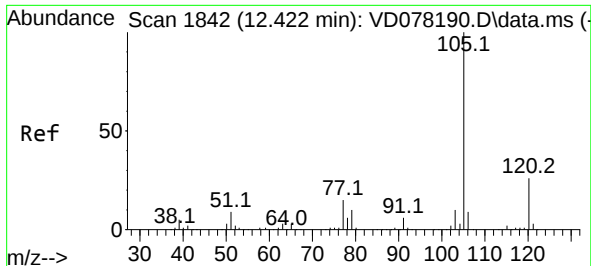
Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:152	Resp:	84894
Ion Ratio	Lower	Upper
152	100	
115	61.4	27.1 81.3
150	163.6	0.0 353.6





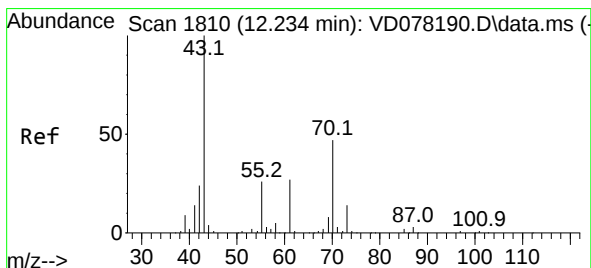
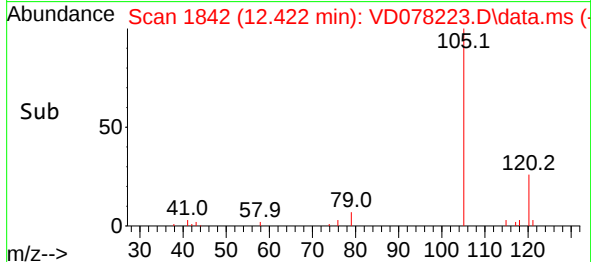
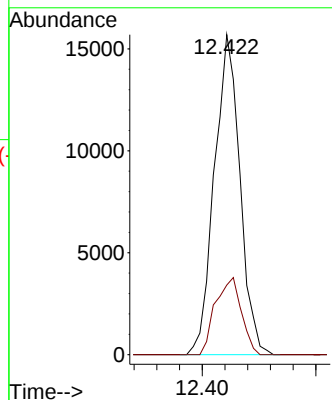
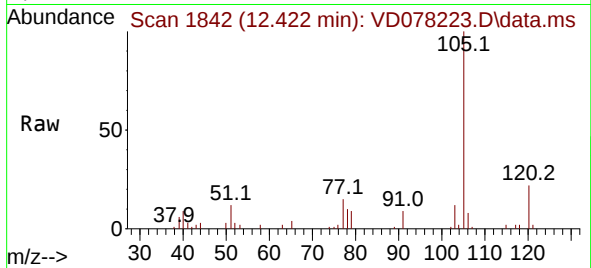
#73
Isopropylbenzene
Concen: 3.674 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 2452
Ion Ratio Lower Upper
105 100
120 24.4 14.3 42.9

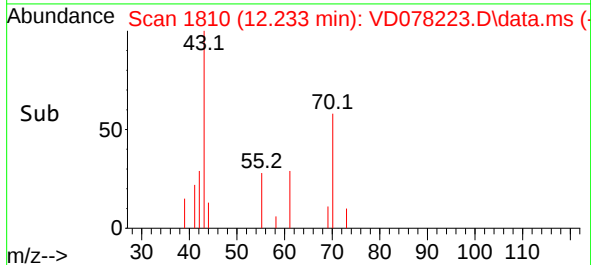
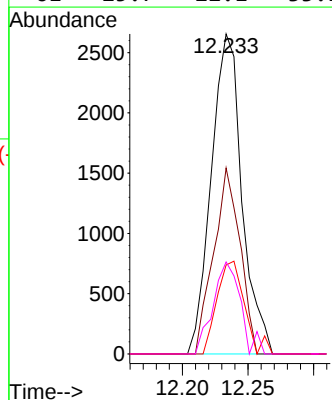
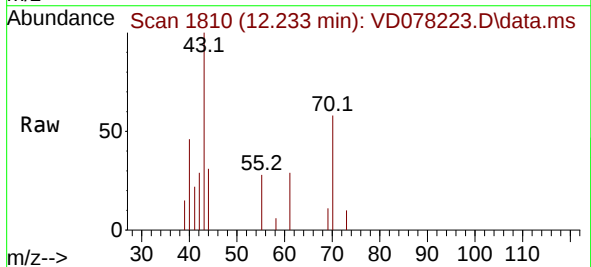
Manual Integrations
APPROVED

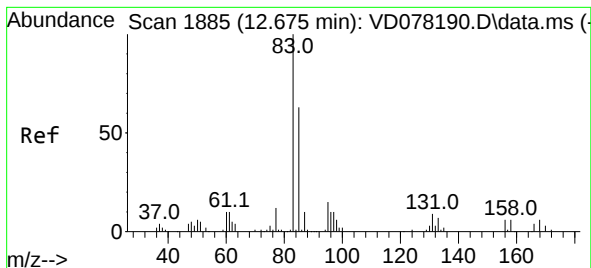
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#74
N-ethyl acetate
Concen: 3.380 ug/l
RT: 12.233 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 43 Resp: 4317
Ion Ratio Lower Upper
43 100
70 50.0 45.0 67.4
55 25.9 23.8 35.6
61 25.7 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.651 ug/l

RT: 12.674 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

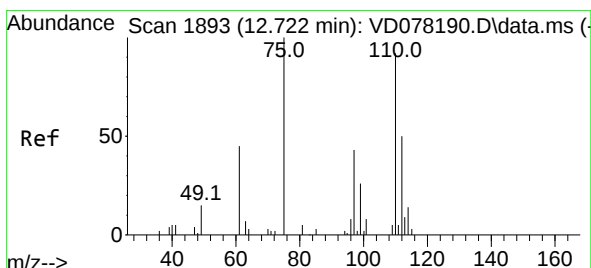
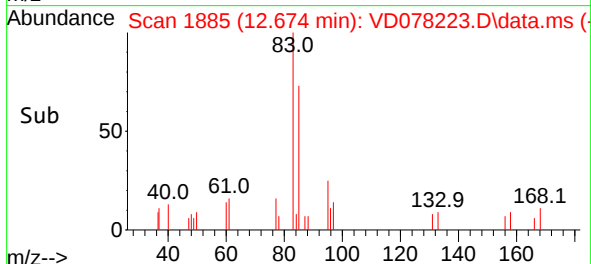
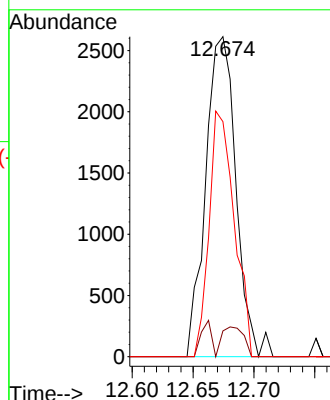
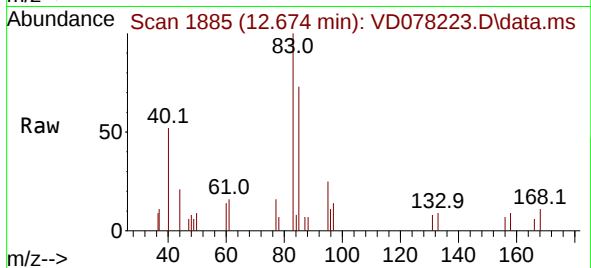
MDL-SOIL-03-QT1-2024

Tgt Ion: 83	Resp: 453
Ion Ratio	Lower Upper
83	100
131	6.7 5.1 15.3
85	63.6 32.6 97.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#76

1,2,3-Trichloropropane

Concen: 4.445 ug/l m

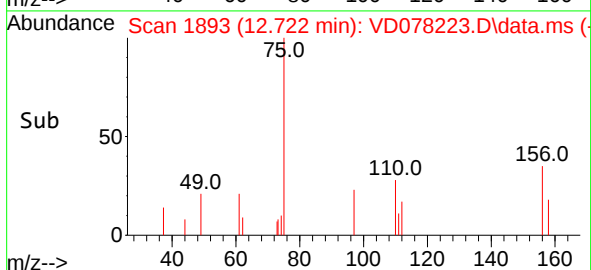
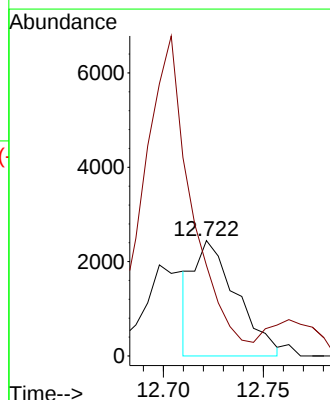
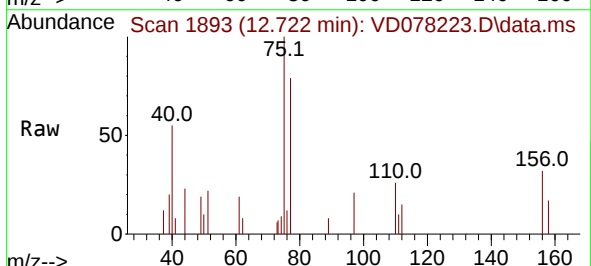
RT: 12.722 min Scan# 1893

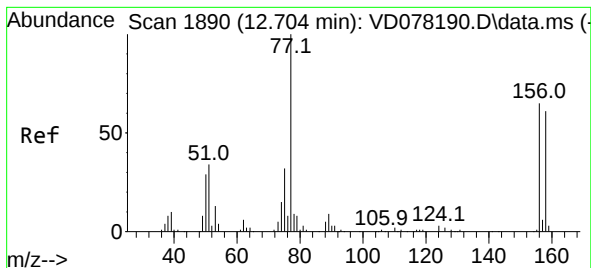
Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion: 75	Resp: 3619
Ion Ratio	Lower Upper
75	100
77	317.8 0.0 0.0#





#77

Bromobenzene

Concen: 4.126 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

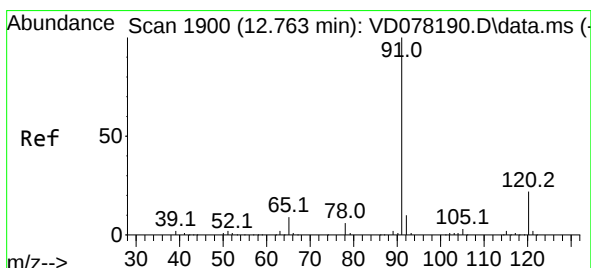
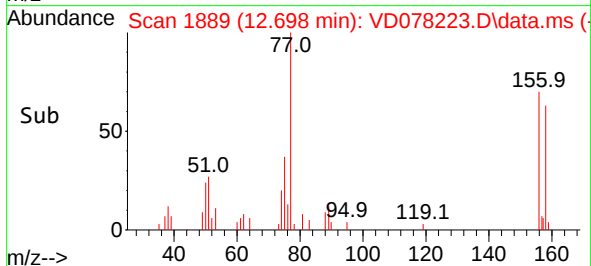
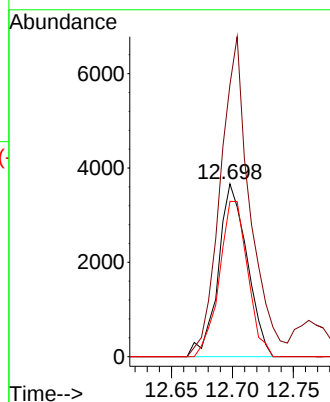
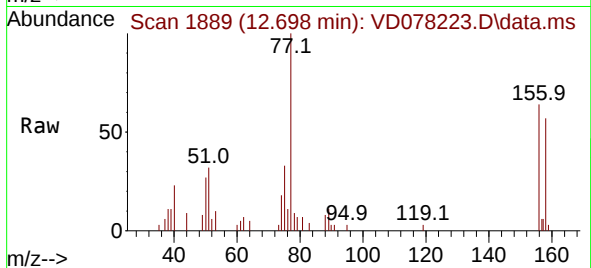
MDL-SOIL-03-QT1-2024

Tgt Ion:	156	Resp:	6039
Ion Ratio	Lower	Upper	
156	100		
77	190.5	76.8	230.4
158	88.3	48.6	145.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#78

n-propylbenzene

Concen: 3.697 ug/l

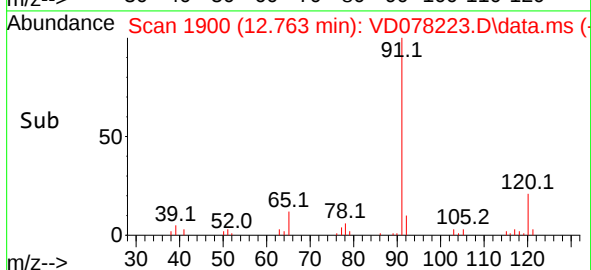
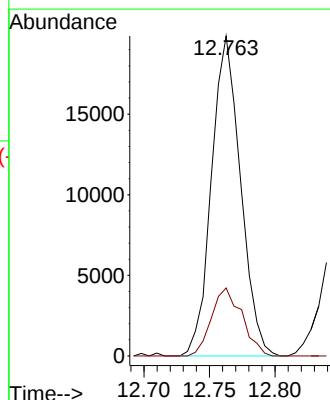
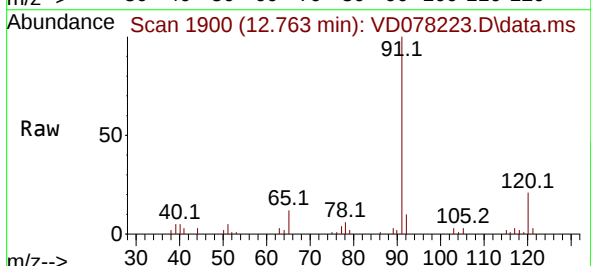
RT: 12.763 min Scan# 1900

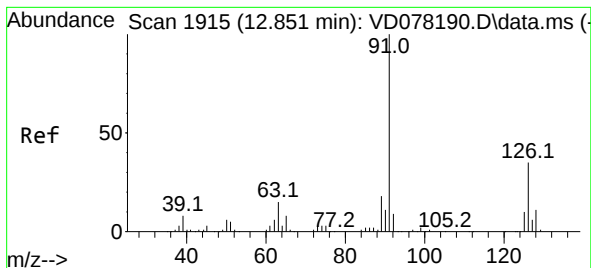
Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:	91	Resp:	30604
Ion Ratio	Lower	Upper	
91	100		
120	22.4	12.4	37.2





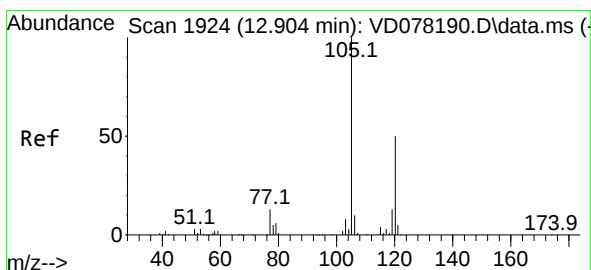
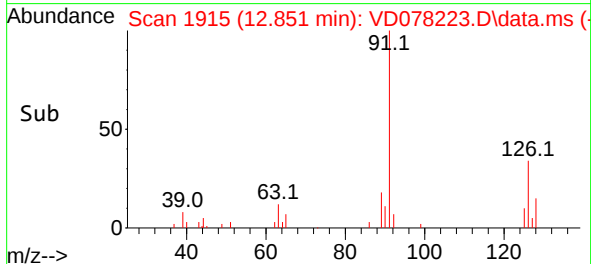
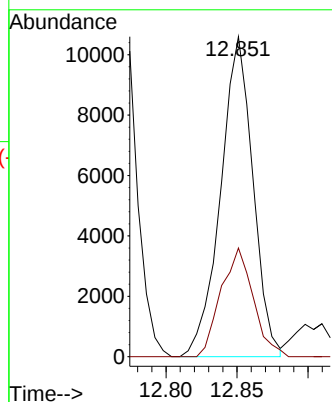
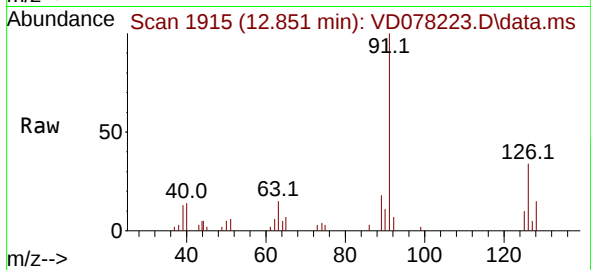
#79
2-Chlorotoluene
Concen: 3.802 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 1679
Ion Ratio Lower Upper
91 100
126 33.9 19.4 58.1

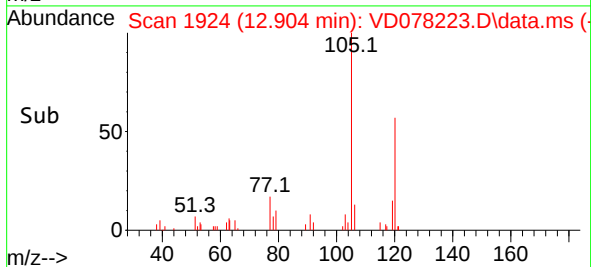
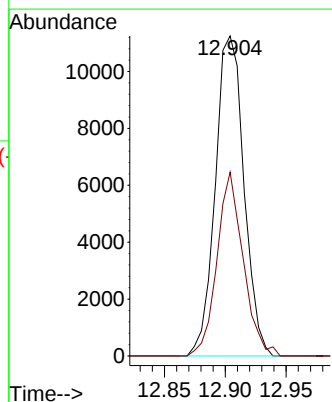
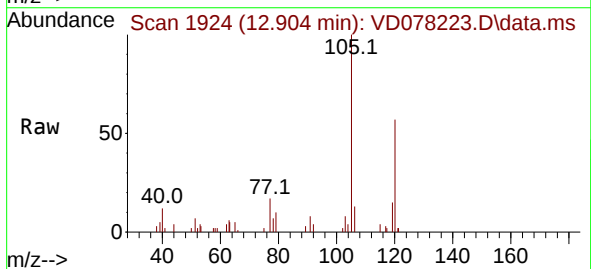
Manual Integrations
APPROVED

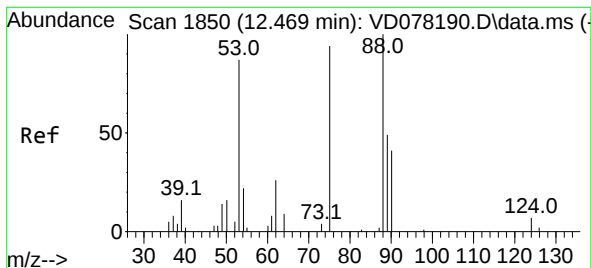
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#80
1,3,5-Trimethylbenzene
Concen: 3.325 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

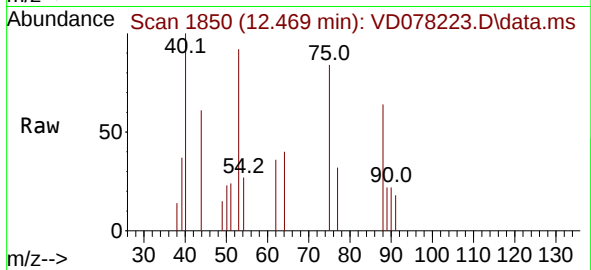
Tgt Ion:105 Resp: 18401
Ion Ratio Lower Upper
105 100
120 52.6 26.4 79.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.532 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

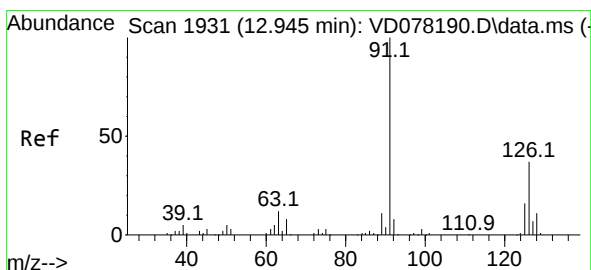
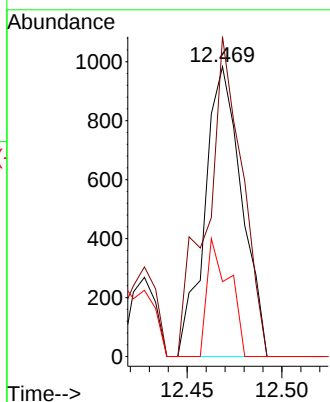
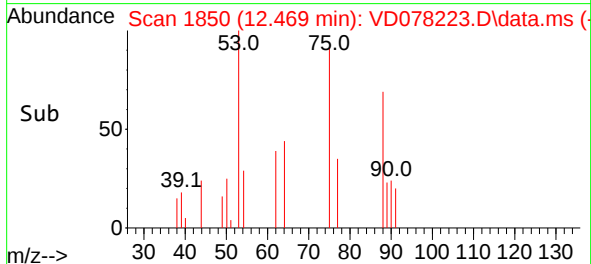
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



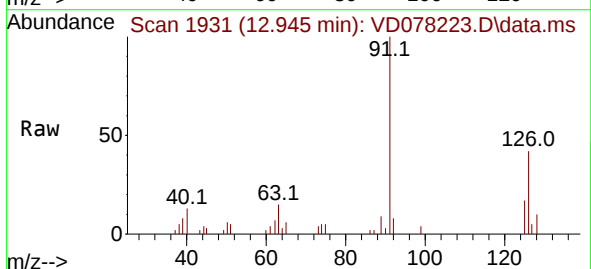
Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
53 105.0 63.0 94.4
89 24.6 37.9 56.9

Manual Integrations
APPROVED

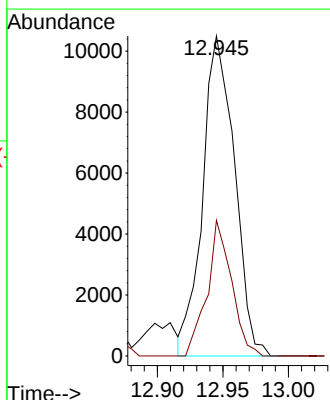
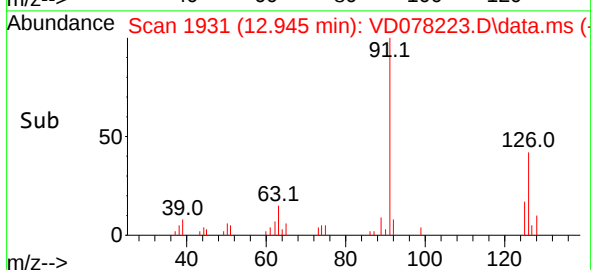
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

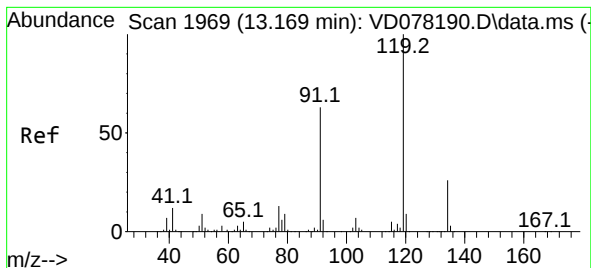


#82
4-Chlorotoluene
Concen: 3.811 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion: 91 Resp: 17749
Ion Ratio Lower Upper
91 100
126 32.5 19.4 58.4





#83

tert-Butylbenzene

Concen: 3.544 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

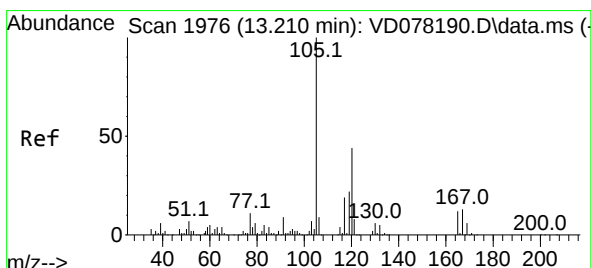
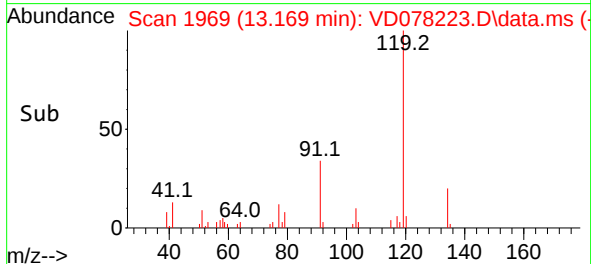
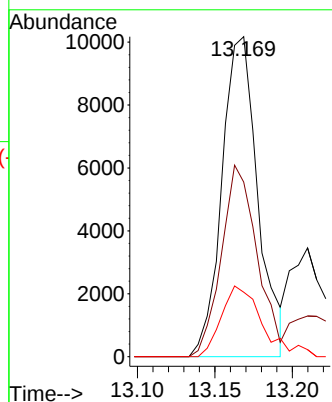
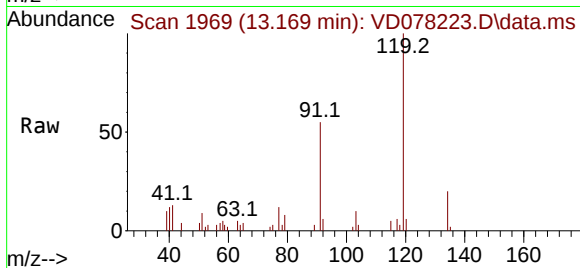
MDL-SOIL-03-QT1-2024

Tgt Ion:	119	Resp:	1639
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.3	87.8
134	25.2	14.1	42.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 3.282 ug/l

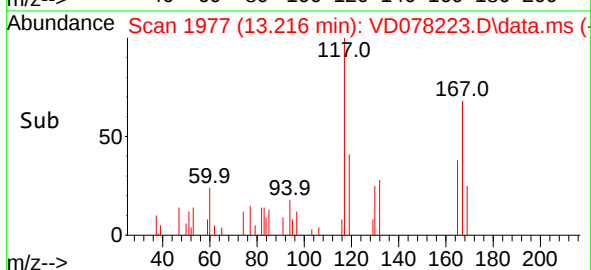
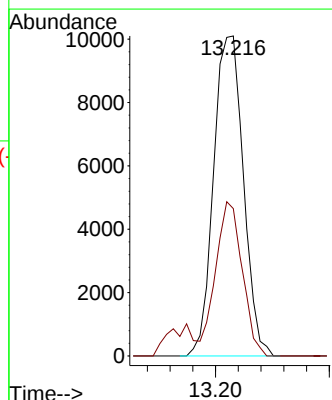
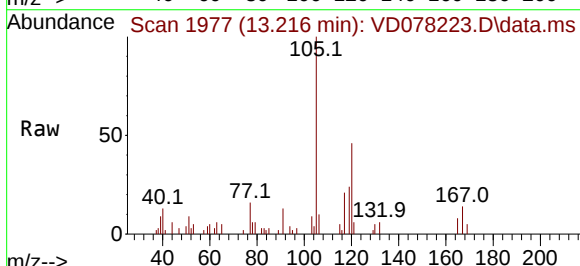
RT: 13.216 min Scan# 1977

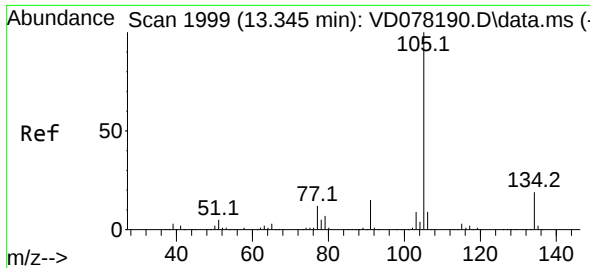
Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:	105	Resp:	18369
Ion Ratio	Lower	Upper	
105	100		
120	43.0	24.3	72.9





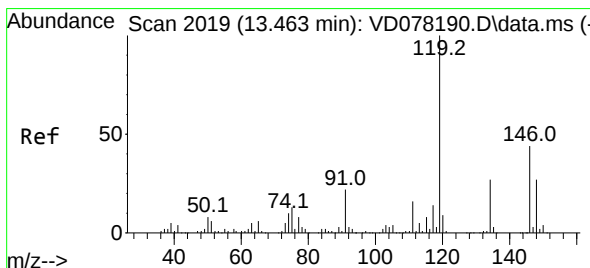
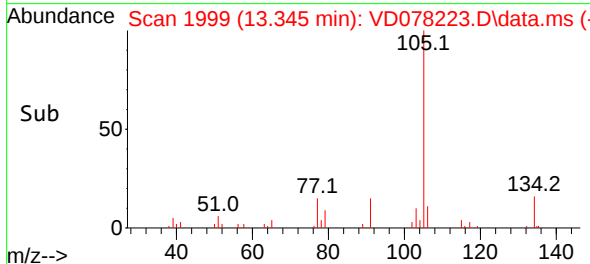
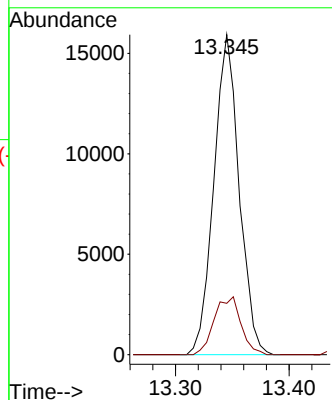
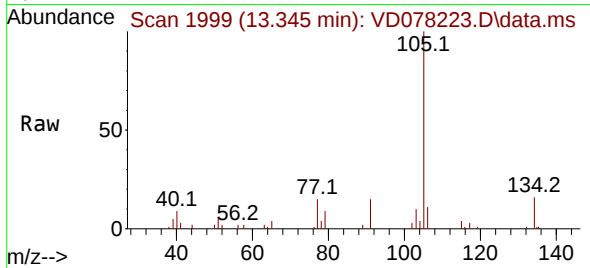
#85
 sec-Butylbenzene
 Concen: 3.515 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Instrument : MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 2462
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.9 32.9

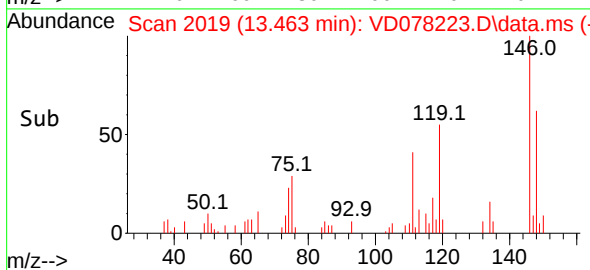
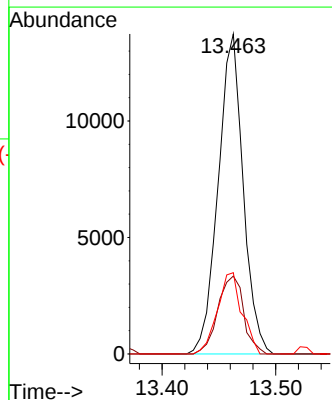
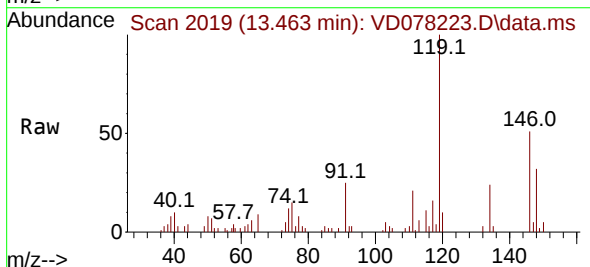
Manual Integrations
 APPROVED

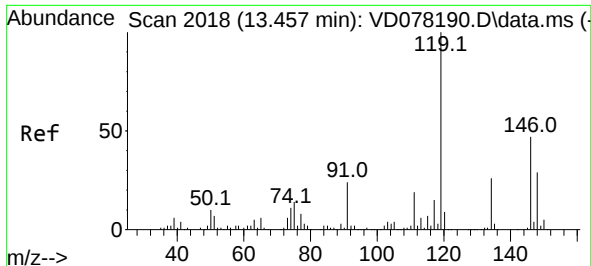
Reviewed By :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024



#86
 p-Isopropyltoluene
 Concen: 3.443 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion:119 Resp: 20990
 Ion Ratio Lower Upper
 119 100
 134 25.1 14.2 42.6
 91 25.0 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 3.912 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

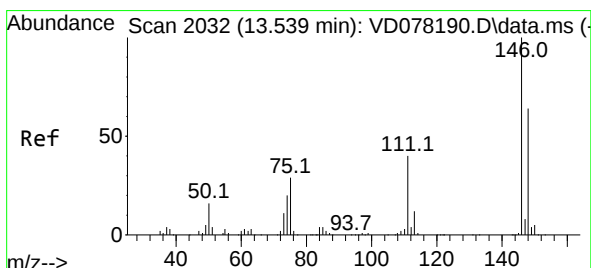
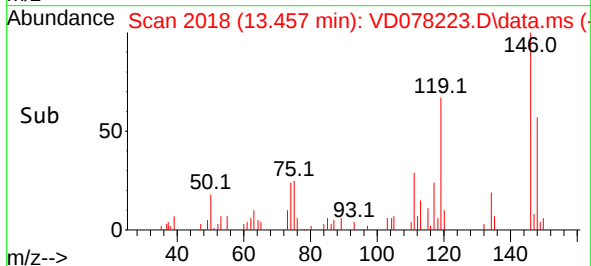
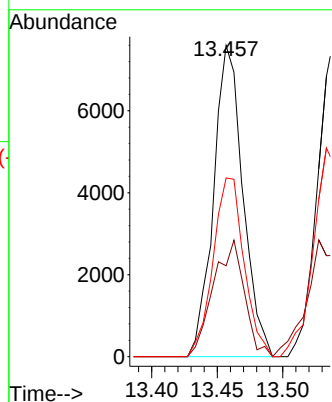
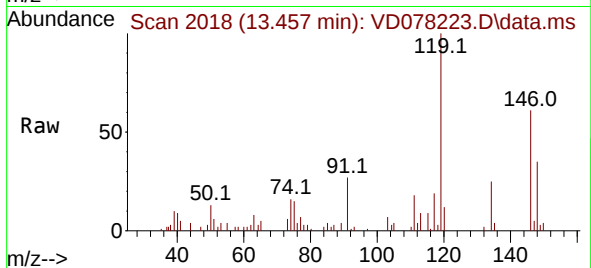
Tgt Ion:146 Resp: 11854

Ion	Ratio	Lower	Upper
146	100		
111	39.3	17.9	53.8
148	60.5	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#88

1,4-Dichlorobenzene

Concen: 3.973 ug/l

RT: 13.539 min Scan# 2032

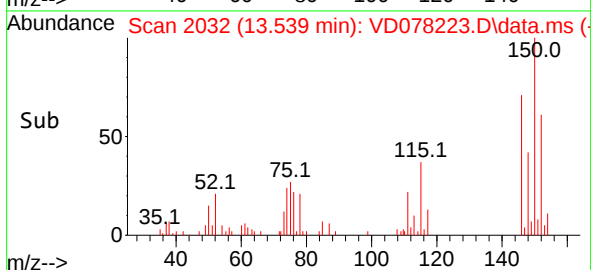
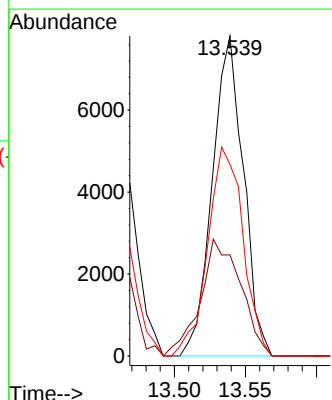
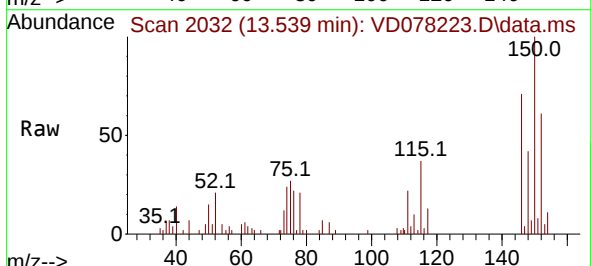
Delta R.T. -0.000 min

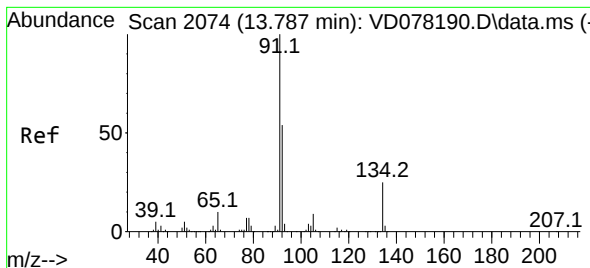
Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion:146 Resp: 11892

Ion	Ratio	Lower	Upper
146	100		
111	47.3	17.4	52.3
148	73.9	31.7	95.1





#89

n-Butylbenzene

Concen: 3.501 ug/l

RT: 13.786 min Scan# 2077

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

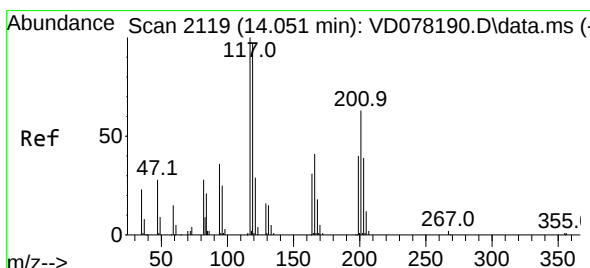
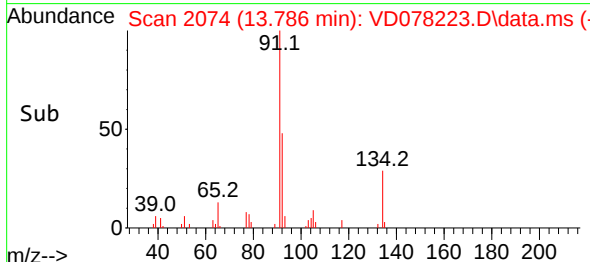
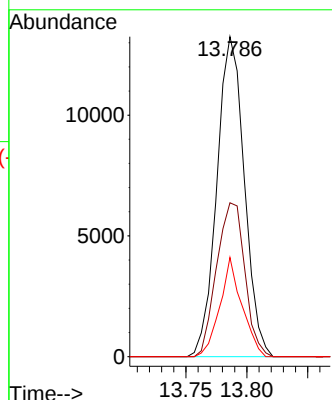
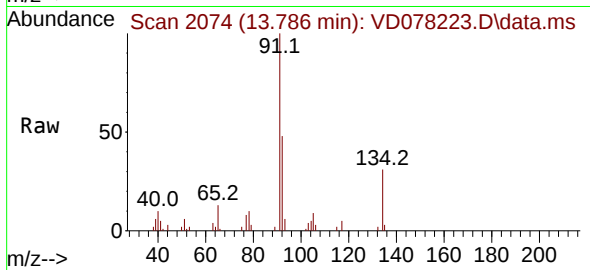
MDL-SOIL-03-QT1-2024

Tgt Ion: 91	Resp: 2077
Ion Ratio	Lower Upper
91 100	
92 49.4	26.5 79.5
134 25.0	13.8 41.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#90

Hexachloroethane

Concen: 3.670 ug/l

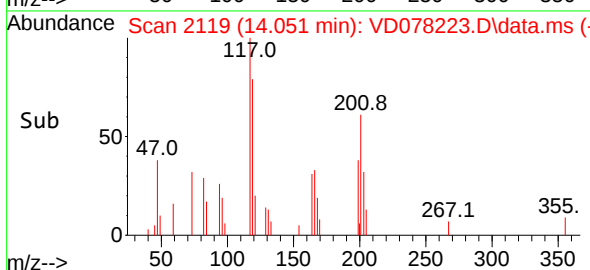
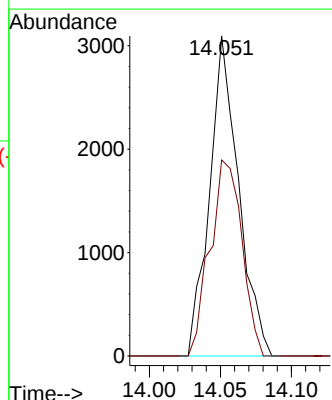
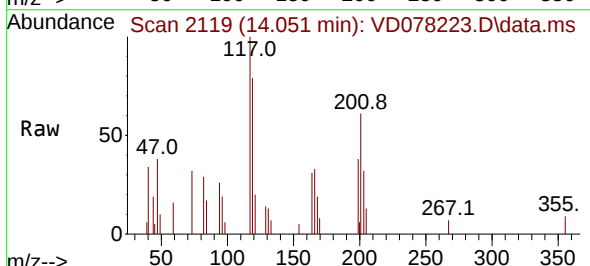
RT: 14.051 min Scan# 2119

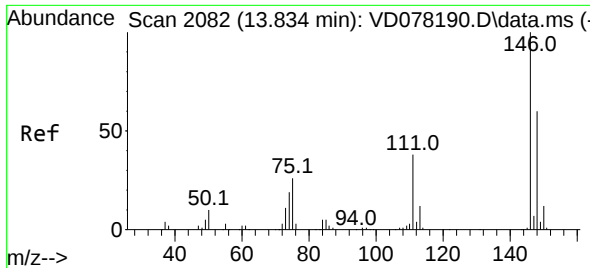
Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

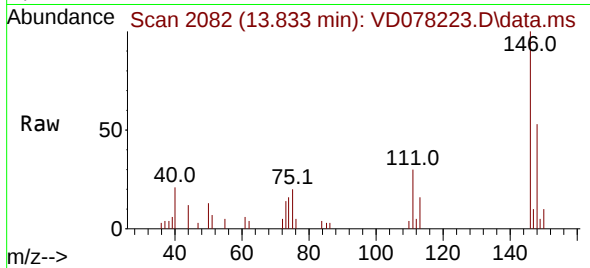
Tgt Ion:117	Resp: 4389
Ion Ratio	Lower Upper
117 100	
201 67.3	38.5 115.5





#91
1,2-Dichlorobenzene
Concen: 4.008 ug/l
RT: 13.833 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

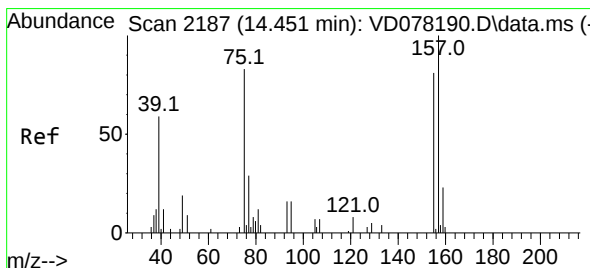
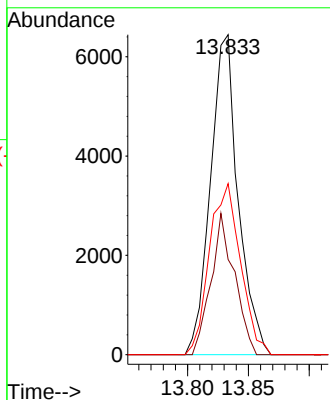
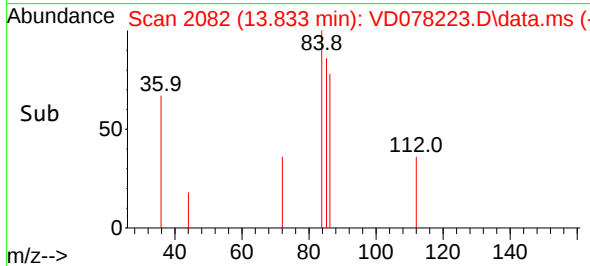
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



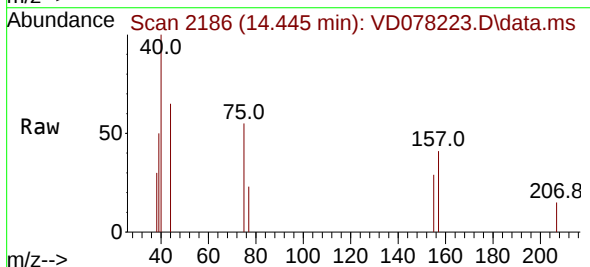
Tgt Ion:146 Resp: 1021
Ion Ratio Lower Upper
146 100
111 37.4 18.3 54.8
148 59.9 31.6 94.7

Manual Integrations
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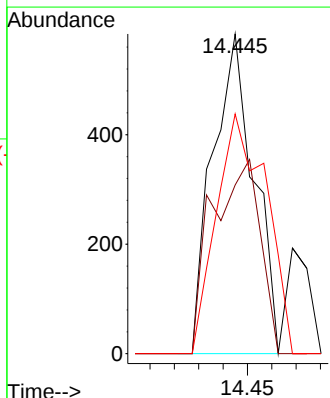
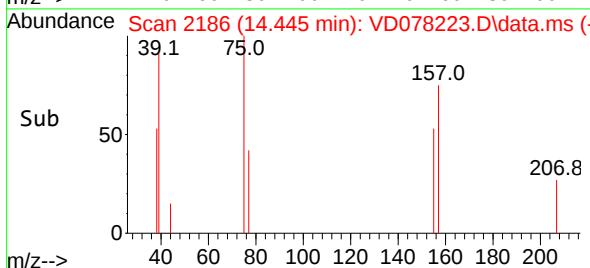
Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024

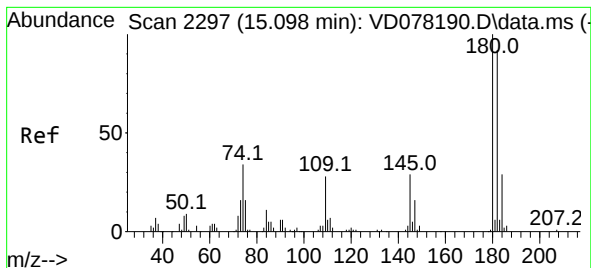


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.871 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion: 75 Resp: 687
Ion Ratio Lower Upper
75 100
155 70.6 47.9 143.8
157 90.4 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 3.404 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

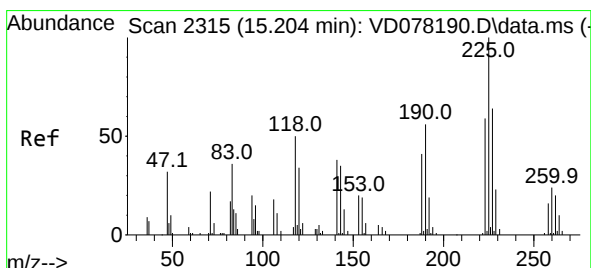
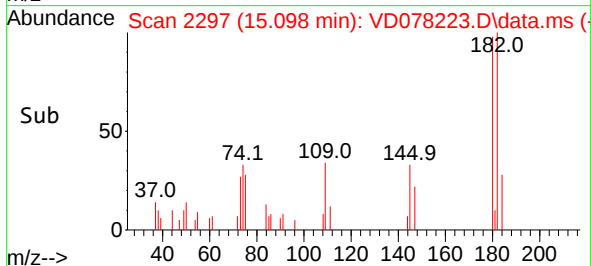
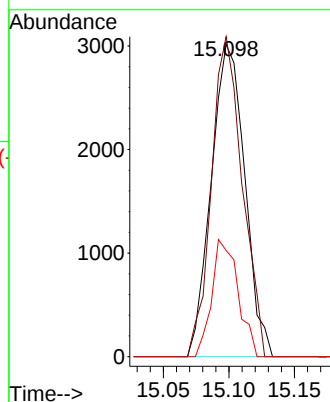
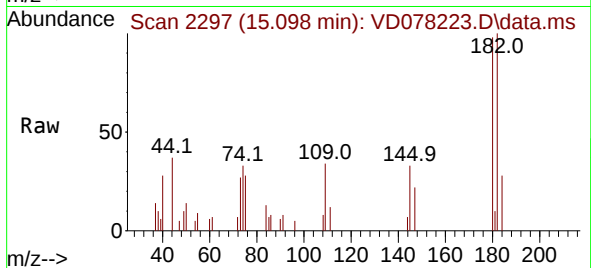
MDL-SOIL-03-QT1-2024

Tgt Ion:180	Resp:	536
Ion Ratio	Lower	Upper
180	100	
182	94.3	48.5 145.6
145	29.3	14.2 42.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#94

Hexachlorobutadiene

Concen: 3.716 ug/l

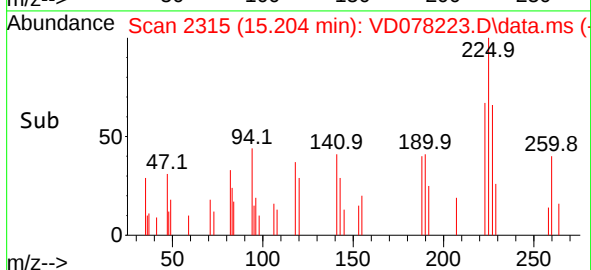
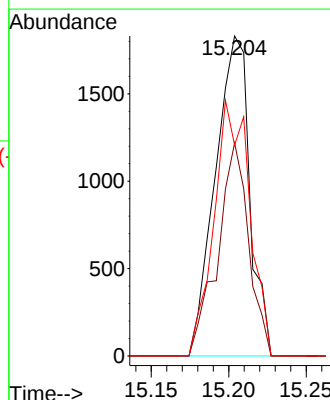
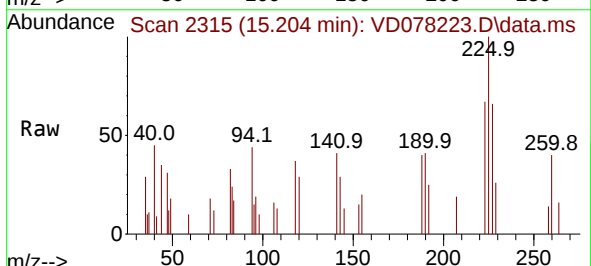
RT: 15.204 min Scan# 2315

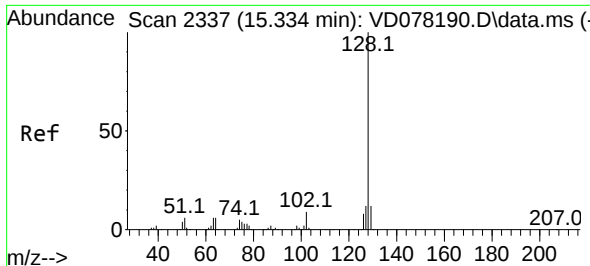
Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

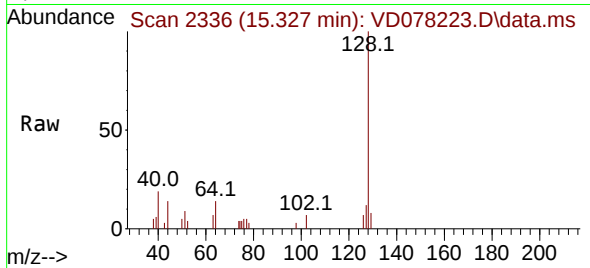
Tgt Ion:225	Resp:	2828
Ion Ratio	Lower	Upper
225	100	
223	59.9	31.6 94.8
227	82.3	31.7 95.1





#95
Naphthalene
Concen: 3.188 ug/l
RT: 15.327 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

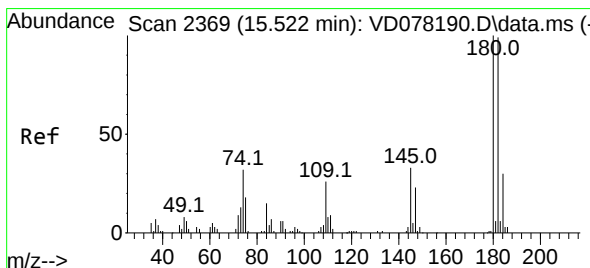
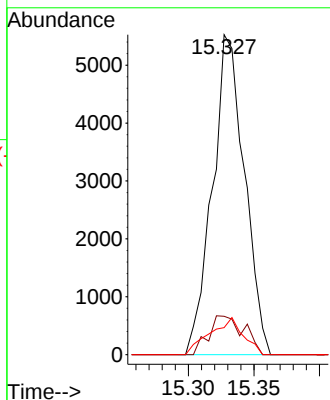
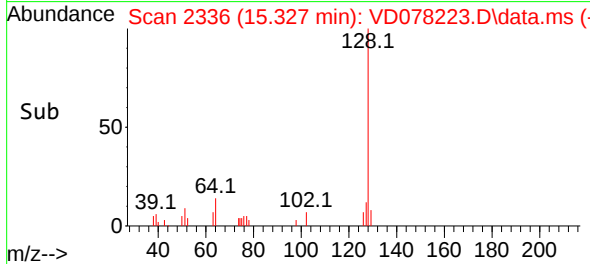
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024



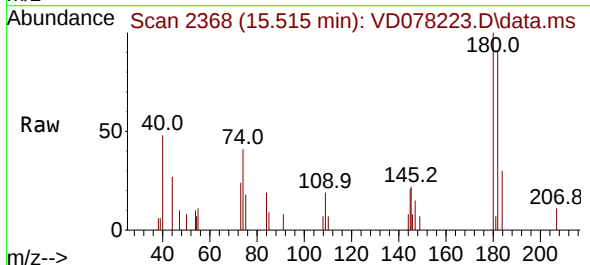
Tgt Ion:128 Resp: 938
Ion Ratio Lower Upper
128 100
127 12.0 10.5 15.7
129 8.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/25/2024
Supervised By :Semsettin Yesilyurt 01/25/2024



#96
1,2,3-Trichlorobenzene
Concen: 3.406 ug/l
RT: 15.515 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion:180 Resp: 4501
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.9
145 37.8 15.1 45.3

