

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078344.D
 Acq On : 05 Feb 2024 13:19
 Operator : RP/MD
 Sample : 04696-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Feb 06 01:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 06 00:51:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	200915	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	197309	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	79647	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	102558	17.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.960%
7) Chloroethane-d5	2.804	69	92056	19.212	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.840%
11) 1,1-Dichloroethene-d2	3.922	65	22096	17.953	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.800%
21) 2-Butanone-d5	6.987	46	27345m	32.582	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.160%
24) Chloroform-d	7.569	84	109698	19.150	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.600%
26) 1,2-Dichloroethane-d4	8.234	65	59082	19.112	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.440%
32) Benzene-d6	8.204	84	219072	18.988	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.960%
36) 1,2-Dichloropropane-d6	9.210	67	71878	20.237	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.960%
41) Toluene-d8	10.269	98	188057	18.148	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	10.528	79	28043	17.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.720%
47) 2-Hexanone-d5	10.881	63	22855	31.715	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.440%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	58001	17.574	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.280%
66) 1,2-Dichlorobenzene-d4	13.816	152	61873	21.699	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	2818	0.711	ug/L	98
3) Chloromethane	2.152	50	5420	0.941	ug/L	91
5) Vinyl chloride	2.287	62	6388	0.897	ug/L #	53
6) Bromomethane	2.693	94	2700	0.836	ug/L	97
8) Chloroethane	2.846	64	3863	0.852	ug/L	92
9) Trichlorofluoromethane	3.169	101	5029	0.993	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	3480m	1.104	ug/L	
12) 1,1-Dichloroethene	3.946	96	2881	0.988	ug/L #	1
13) Acetone	4.034	43	1854m	1.682	ug/L	
14) Carbon disulfide	4.275	76	8789	0.818	ug/L	97
15) Methyl Acetate	4.575	43	830m	0.503	ug/L	
16) Methylene chloride	4.798	84	9578m	2.431	ug/L	
17) trans-1,2-Dichloroethene	5.310	96	3037m	0.945	ug/L	
18) Methyl tert-butyl Ether	5.316	73	5010m	0.670	ug/L	
19) 1,1-Dichloroethane	6.116	63	4737m	0.842	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	3021m	0.858	ug/L	
22) 2-Butanone	7.092	43	1458m	1.093	ug/L	
23) Bromochloromethane	7.440	128	1154m	0.742	ug/L	
25) Chloroform	7.598	83	13726	2.237	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	3351m	0.850	ug/L	
29) Cyclohexane	7.875	56	3407m	0.764	ug/L	
30) 1,1,1-Trichloroethane	7.792	97	4289	0.887	ug/L #	79
31) Carbon tetrachloride	7.992	117	3602m	0.845	ug/L	
33) Benzene	8.251	78	11323	0.852	ug/L	100
34) Trichloroethene	9.022	95	2774	0.826	ug/L #	70
35) Methylcyclohexane	9.275	83	4073	0.775	ug/L	96
37) 1,2-Dichloropropane	9.304	63	3148	0.899	ug/L #	87
38) Bromodichloromethane	9.581	83	3745	0.819	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	4759	0.873	ug/L	92
40) 4-Methyl-2-pentanone	10.163	43	2188	1.006	ug/L #	86
42) Toluene	10.334	91	11341	0.820	ug/L	88
44) trans-1,3-Dichloropropene	10.551	75	3742	0.784	ug/L	96
45) 1,1,2-Trichloroethane	10.739	97	1875	0.671	ug/L #	85
46) Tetrachloroethene	10.822	164	2221	0.963	ug/L #	69
48) 2-Hexanone	10.922	43	2027m	1.142	ug/L	
49) Dibromochloromethane	11.075	129	2542	0.810	ug/L	83
50) 1,2-Dibromoethane	11.169	107	2018m	0.741	ug/L	
51) Chlorobenzene	11.604	112	7303	0.815	ug/L	90
52) Ethylbenzene	11.680	91	11349	0.764	ug/L	99
53) m,p-Xylene	11.792	106	3970	0.695	ug/L	87
54) o-Xylene	12.122	106	3754	0.682	ug/L	97
55) Styrene	12.133	104	6269	0.631	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	2953	0.825	ug/L #	54
59) Bromoform	12.292	173	1253	0.784	ug/L #	68
60) Isopropylbenzene	12.422	105	9492	0.789	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	1601	0.788	ug/L	94
62) 1,3,5-Trimethylbenzene	12.904	105	6099	0.648	ug/L	88
63) 1,2,4-Trimethylbenzene	13.210	105	6486	0.696	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	4598	0.856	ug/L	82
65) 1,4-Dichlorobenzene	13.539	146	5098	0.907	ug/L	80
67) 1,2-Dichlorobenzene	13.833	146	4761	0.937	ug/L	89
69) 1,3,5-Trichlorobenzene	14.598	180	2754	0.832	ug/L #	90
70) 1,2,4-trichlorobenzene	15.098	180	2523	0.882	ug/L	94
71) Naphthalene	15.333	128	4754	0.710	ug/L	96
72) 1,2,3-Trichlorobenzene	15.516	180	2379m	0.891	ug/L	

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

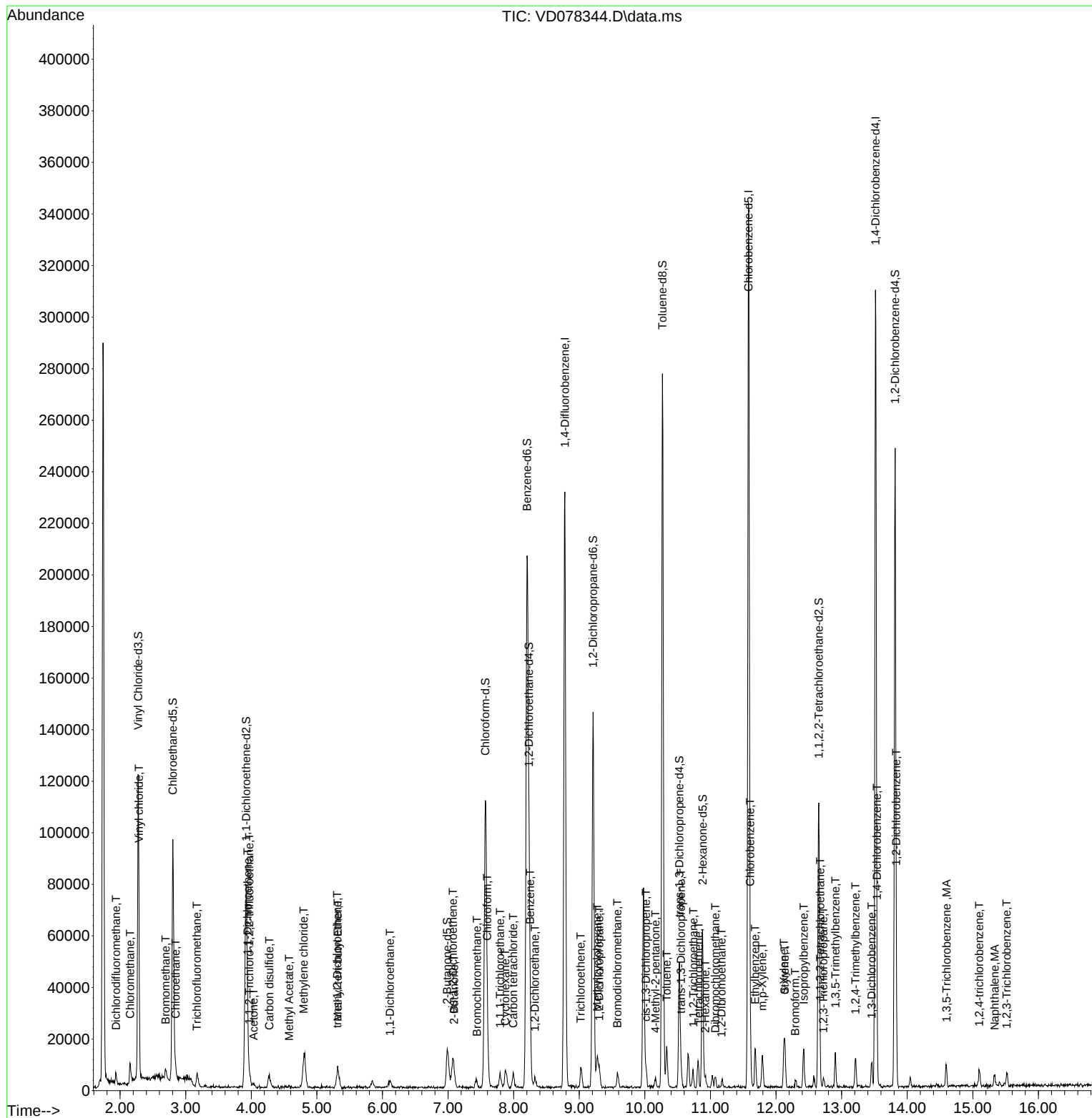
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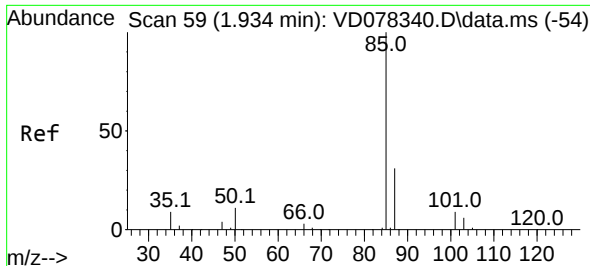
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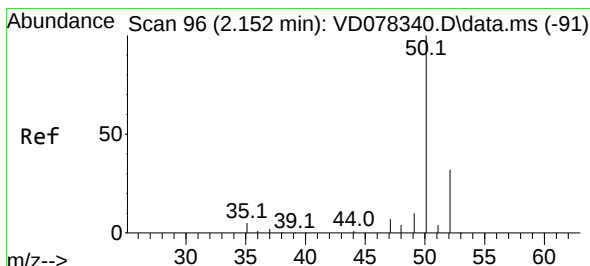
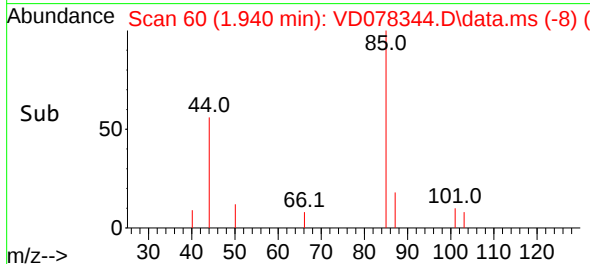
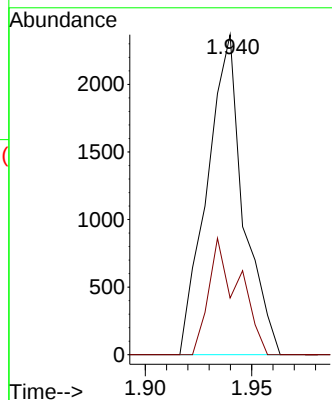
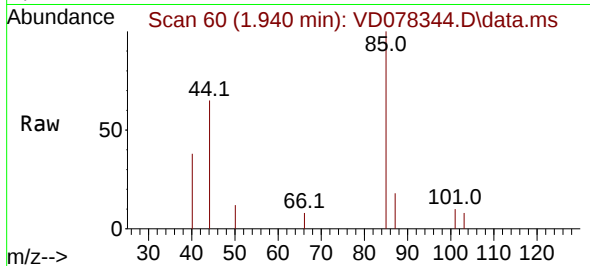
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Dichlorodifluoromethane
Concen: 0.711 ug/L
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 85 Resp: 2818
Ion Ratio Lower Upper
85 100
87 30.6 25.3 37.9

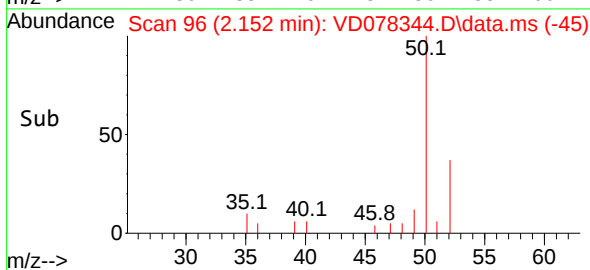
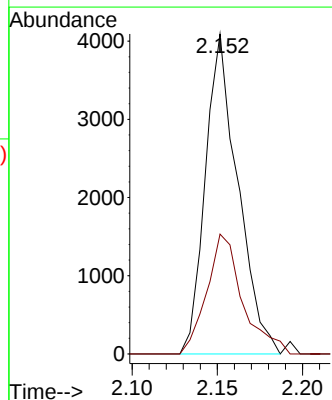
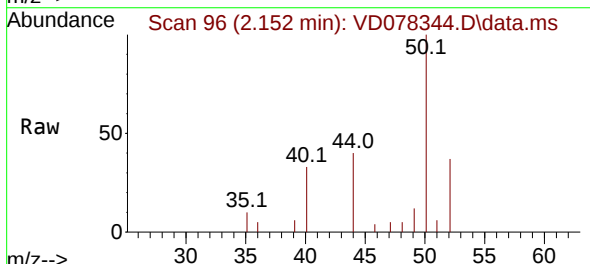
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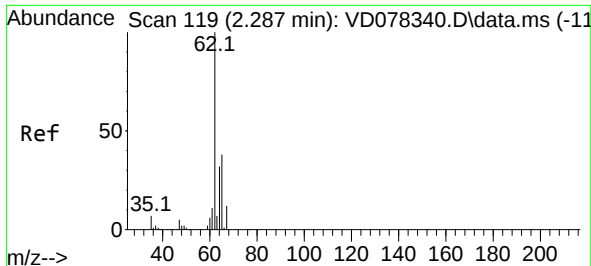
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#3
Chloromethane
Concen: 0.941 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

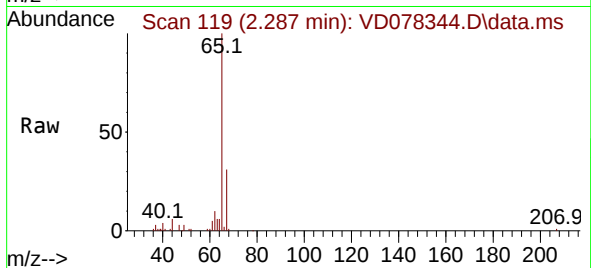
Tgt Ion: 50 Resp: 5420
Ion Ratio Lower Upper
50 100
52 37.4 22.7 42.3





#5
Vinyl chloride
Concen: 0.897 ug/L
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

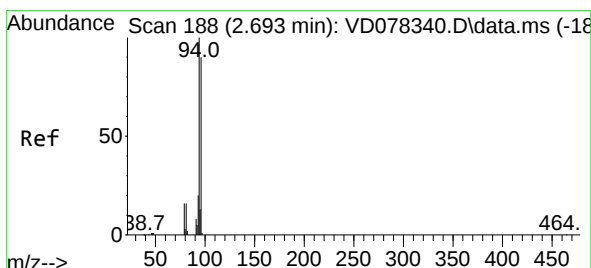
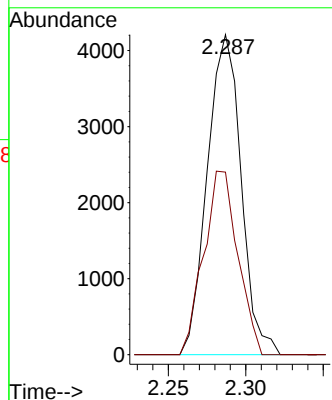
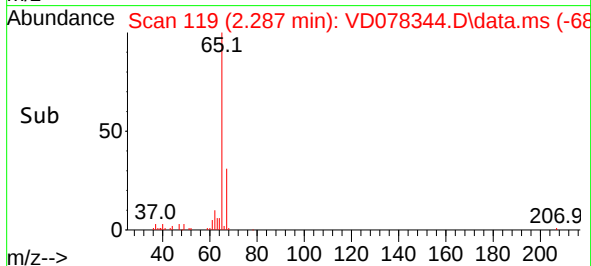
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 6388
Ion Ratio Lower Upper
62 100
64 57.0 21.7 40.3

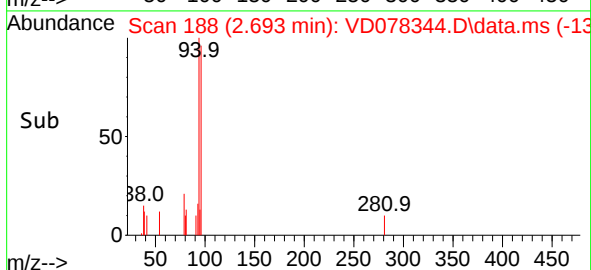
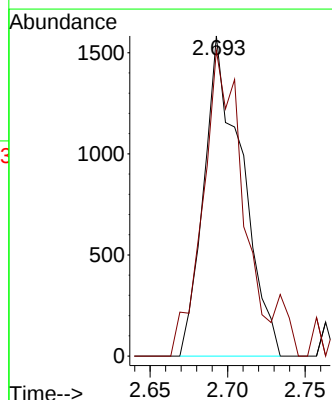
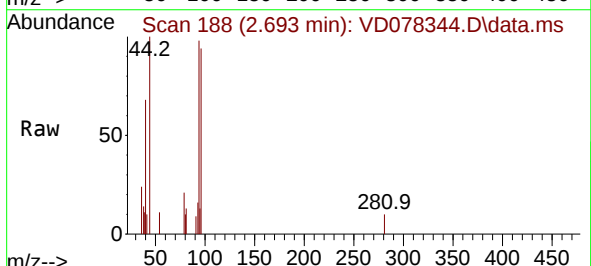
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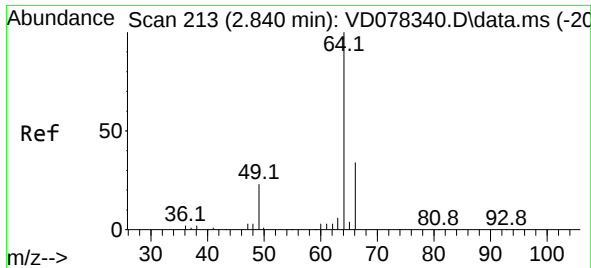
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#6
Bromomethane
Concen: 0.836 ug/L
RT: 2.693 min Scan# 188
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 94 Resp: 2700
Ion Ratio Lower Upper
94 100
96 95.5 64.8 120.4





#8

Chloroethane

Concen: 0.852 ug/L

RT: 2.846 min Scan# 213

Delta R.T. 0.006 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 64 Resp: 386

Ion Ratio Lower Upper

64 100

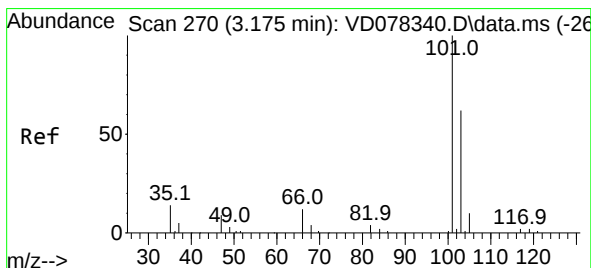
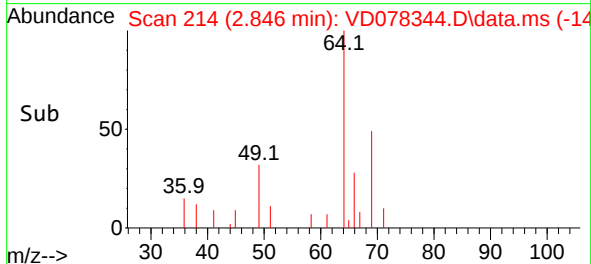
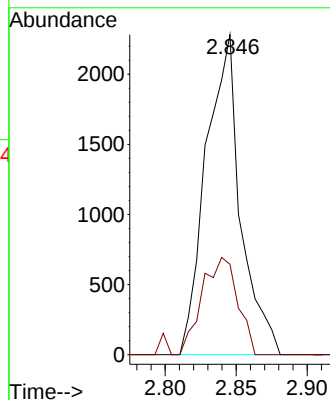
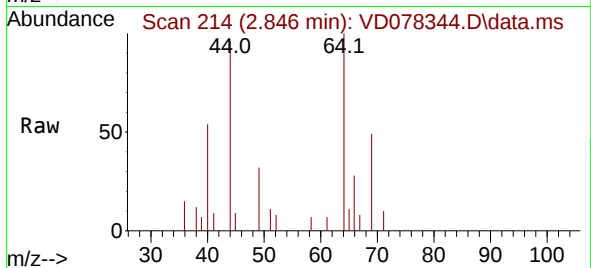
66 28.3 22.8 42.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#9

Trichlorofluoromethane

Concen: 0.993 ug/L

RT: 3.169 min Scan# 269

Delta R.T. -0.006 min

Lab File: VD078344.D

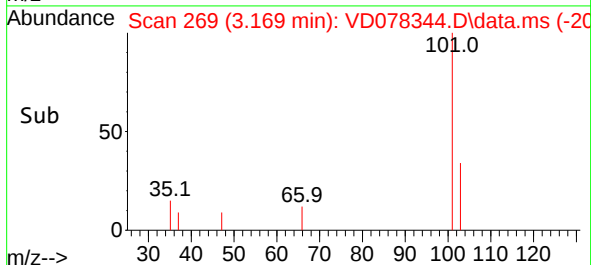
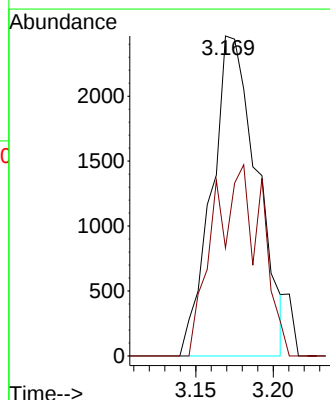
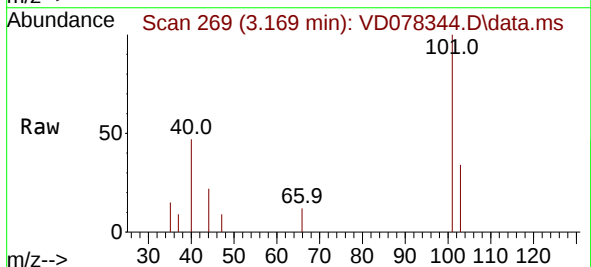
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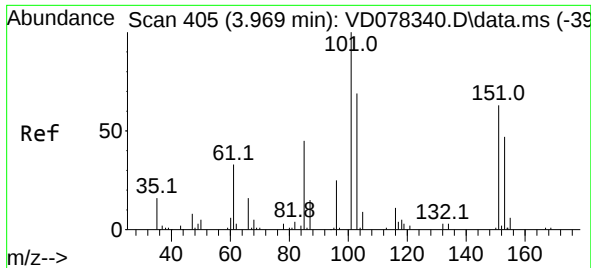
Tgt Ion:101 Resp: 5029

Ion Ratio Lower Upper

101 100

103 23.3 51.1 76.7#





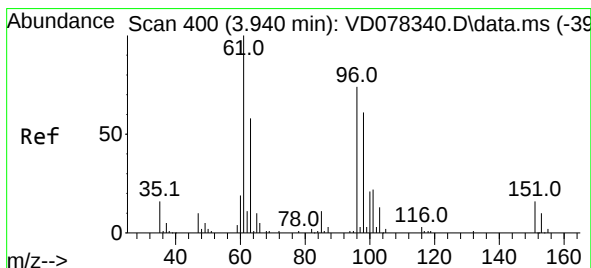
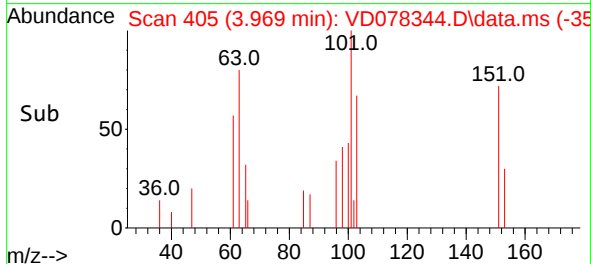
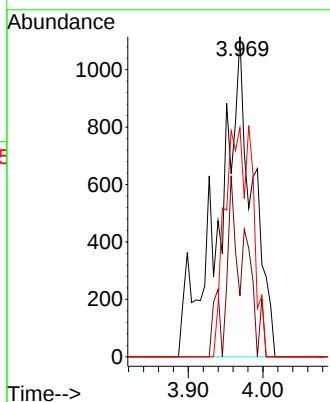
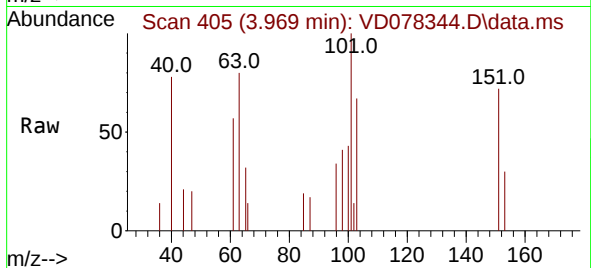
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.104 ug/L m
RT: 3.969 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:101 Resp: 3480
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8
151 41.2 54.6 81.8

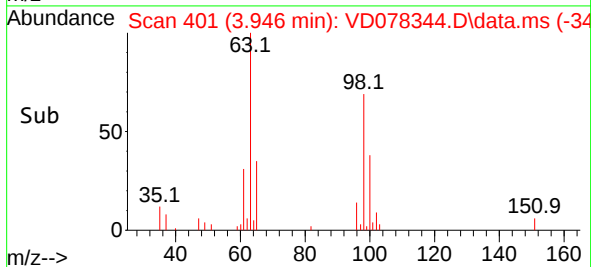
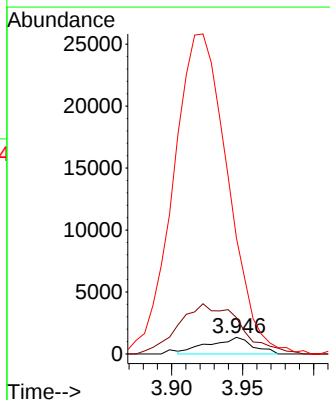
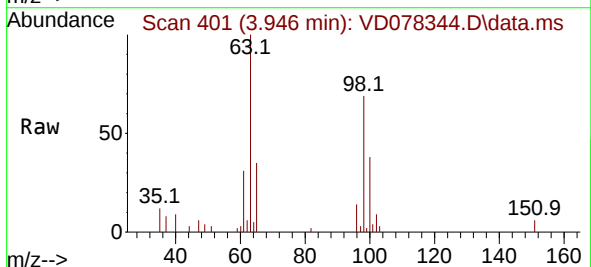
Manual Integrations
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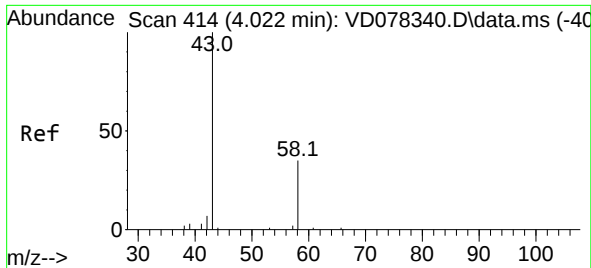
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#12
1,1-Dichloroethene
Concen: 0.988 ug/L
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 96 Resp: 2881
Ion Ratio Lower Upper
96 100
61 218.9 108.8 202.2#
63 699.0 65.2 121.0#





#13

Acetone

Concen: 1.682 ug/L m

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

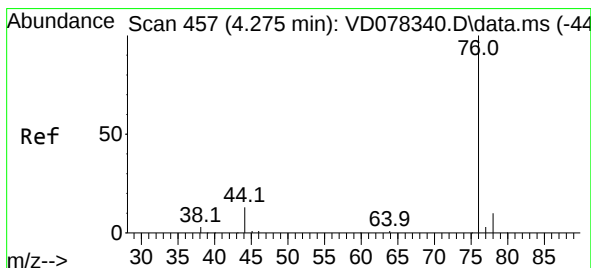
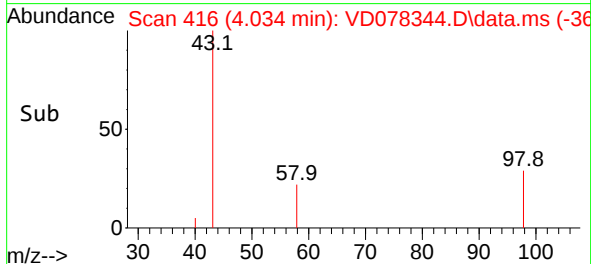
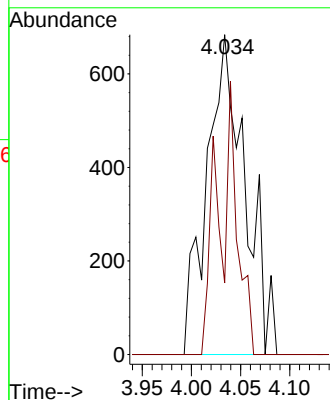
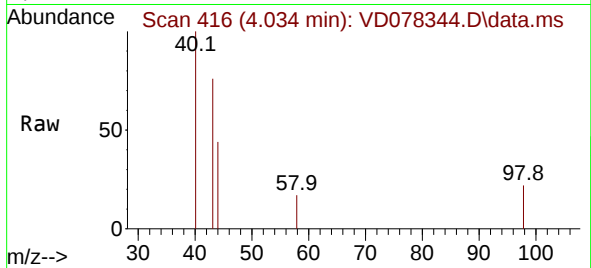
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 1854
 Ion Ratio Lower Upper
 43 100
 58 22.1 0.0 67.2

Manual Integrations

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#14

Carbon disulfide

Concen: 0.818 ug/L

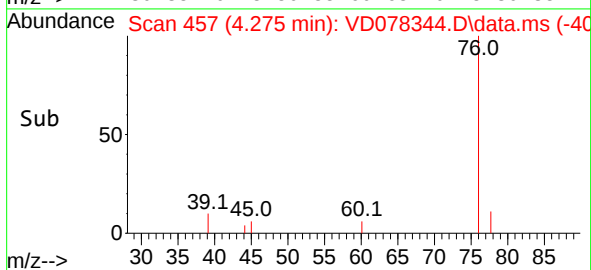
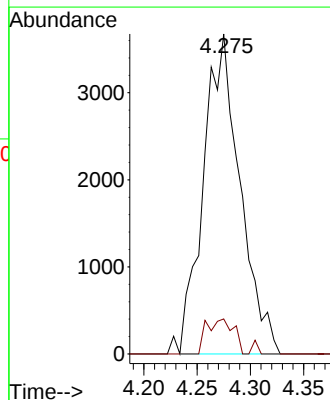
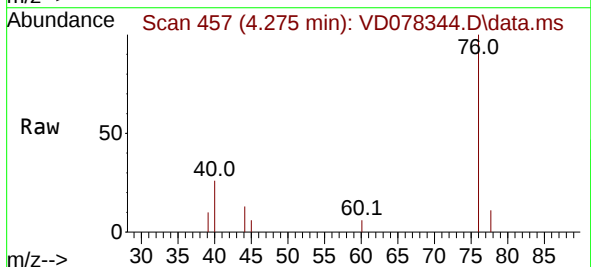
RT: 4.275 min Scan# 457

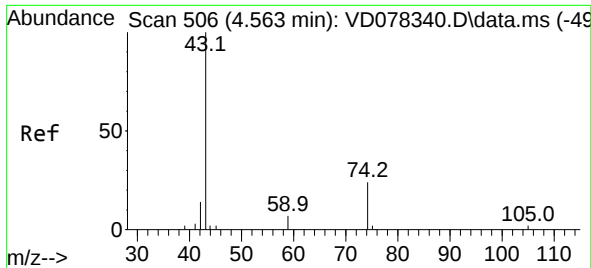
Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Tgt Ion: 76 Resp: 8789
 Ion Ratio Lower Upper
 76 100
 78 11.0 7.8 11.8





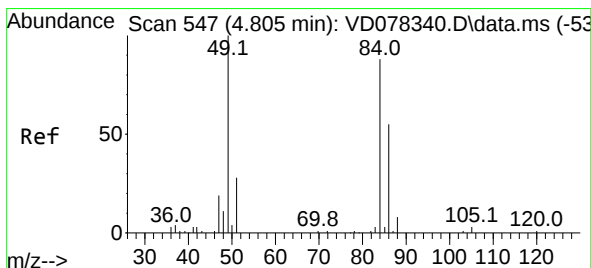
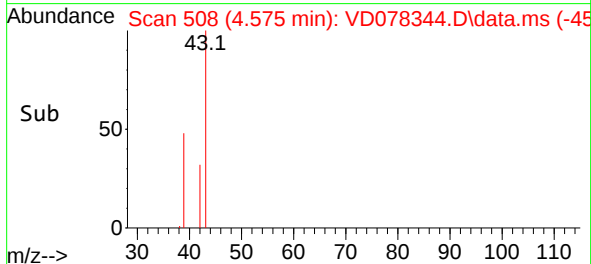
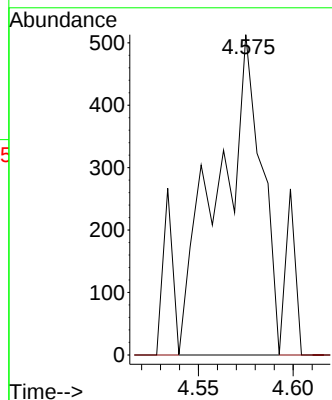
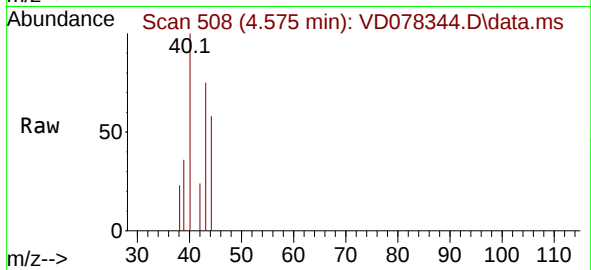
#15
Methyl Acetate
Concen: 0.503 ug/L m
RT: 4.575 min Scan# 506
Delta R.T. 0.012 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1

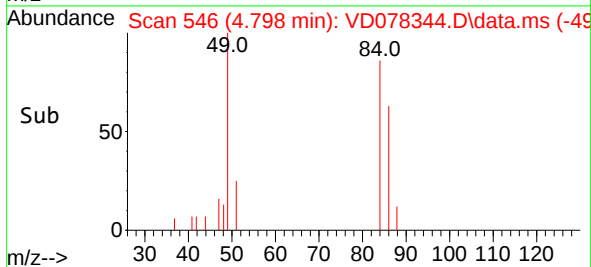
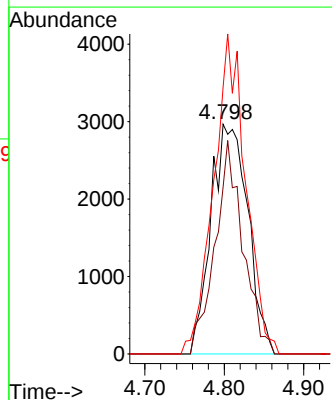
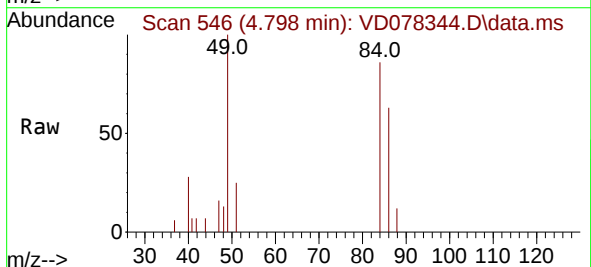
Manual Integrations
APPROVED

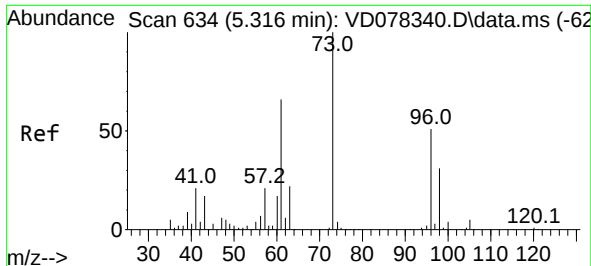
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#16
Methylene chloride
Concen: 2.431 ug/L m
RT: 4.798 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 84 Resp: 9578
Ion Ratio Lower Upper
84 100
86 72.6 45.4 84.2
49 116.1 77.3 143.7





#17

trans-1,2-Dichloroethene

Concen: 0.945 ug/L m

RT: 5.310 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

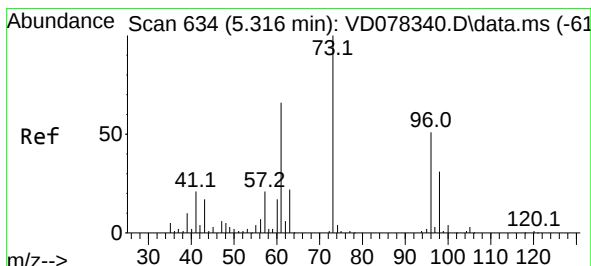
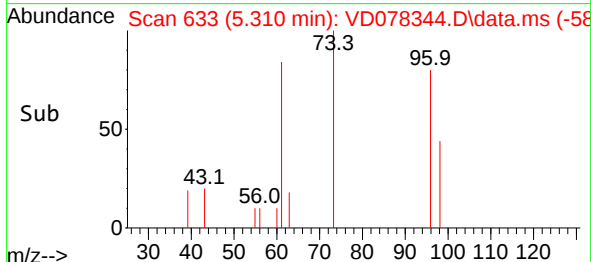
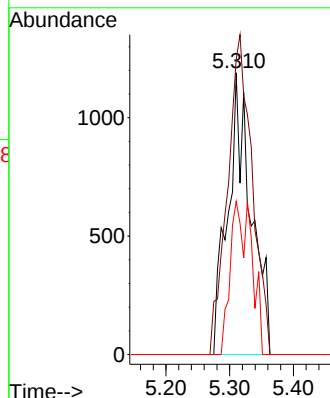
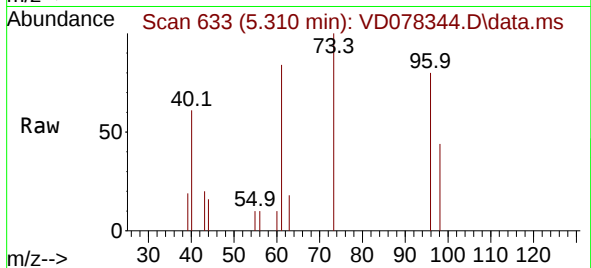
Tgt Ion: 96 Resp: 303

Ion	Ratio	Lower	Upper
96	100		
61	104.7	82.7	153.7
98	54.4	40.7	75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#18

Methyl tert-butyl Ether

Concen: 0.670 ug/L m

RT: 5.316 min Scan# 634

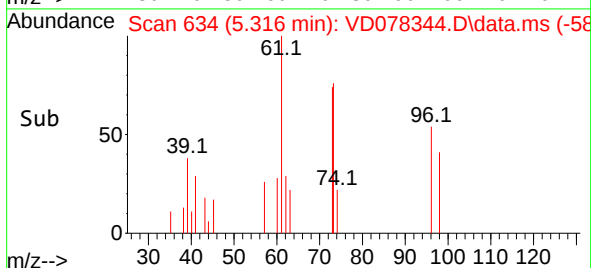
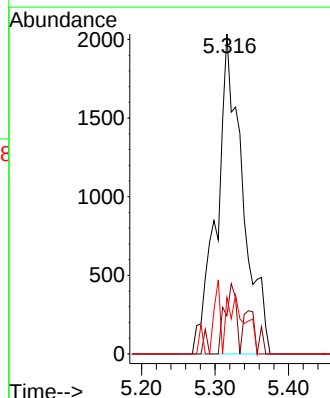
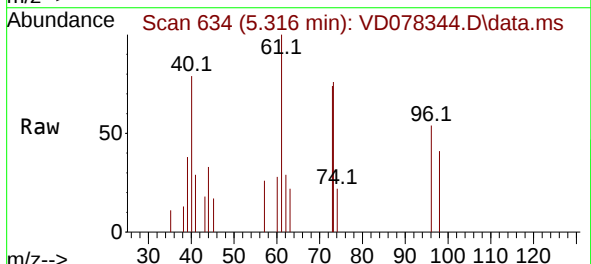
Delta R.T. -0.000 min

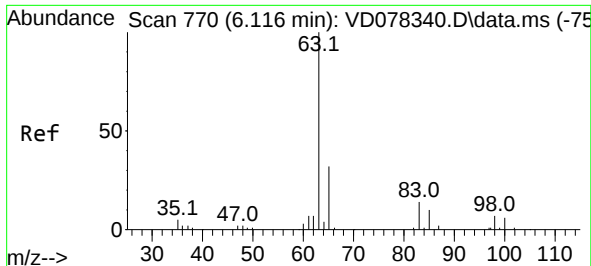
Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Tgt Ion: 73 Resp: 5010

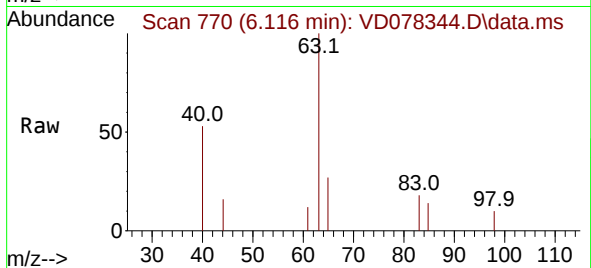
Ion	Ratio	Lower	Upper
73	100		
43	9.5	13.3	19.9#
57	4.1	17.2	25.8#





#19
1,1-Dichloroethane
Concen: 0.842 ug/L m
RT: 6.116 min Scan# 770
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

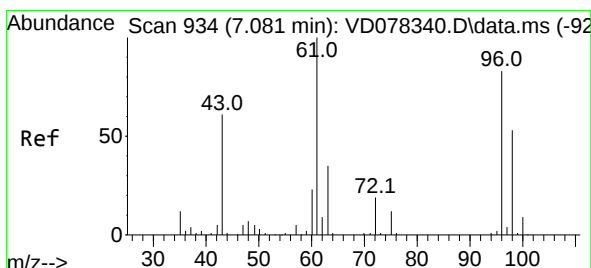
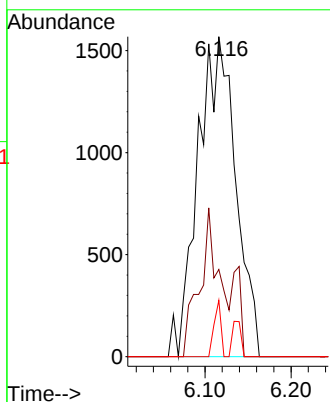
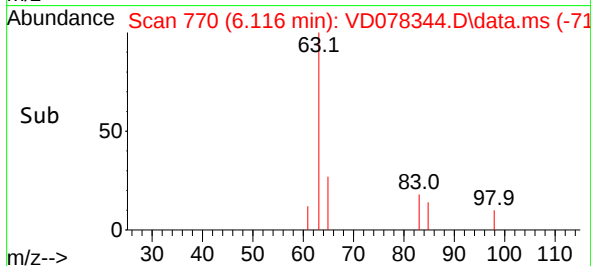
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 63 Resp: 473
Ion Ratio Lower Upper
63 100
65 27.2 21.8 40.4
83 17.6 10.1 18.9

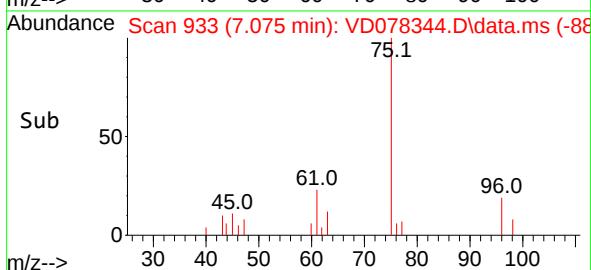
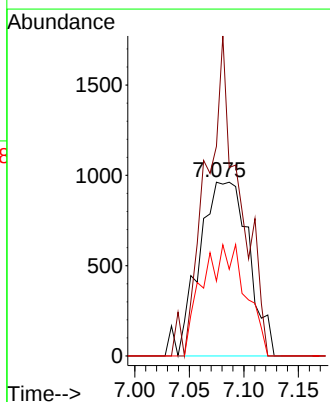
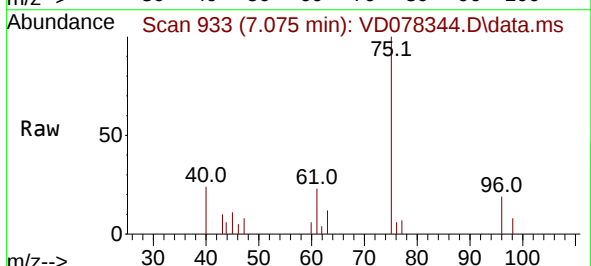
Manual Integrations
APPROVED

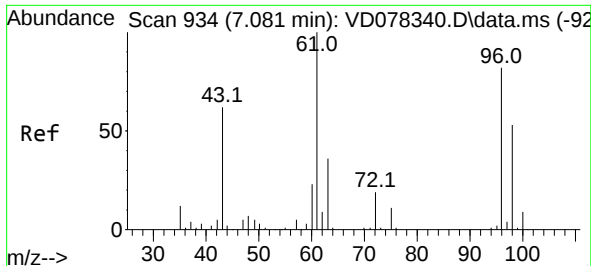
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#20
cis-1,2-Dichloroethene
Concen: 0.858 ug/L m
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

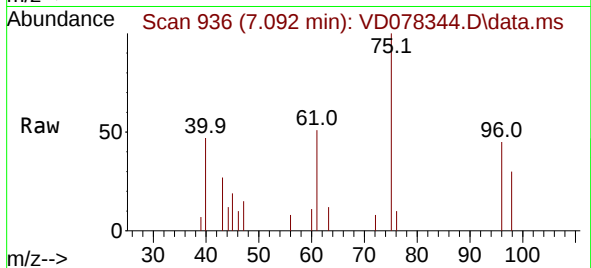
Tgt Ion: 96 Resp: 3021
Ion Ratio Lower Upper
96 100
61 120.7 75.6 140.4
98 43.1 43.1 80.1





#22
2-Butanone
Concen: 1.093 ug/L m
RT: 7.092 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

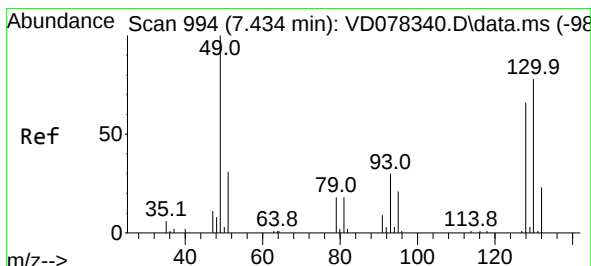
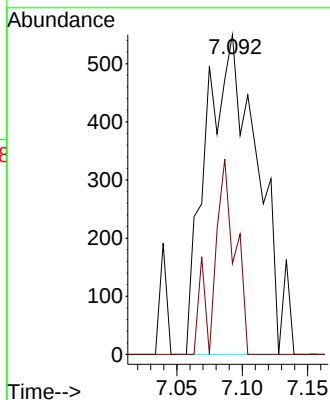
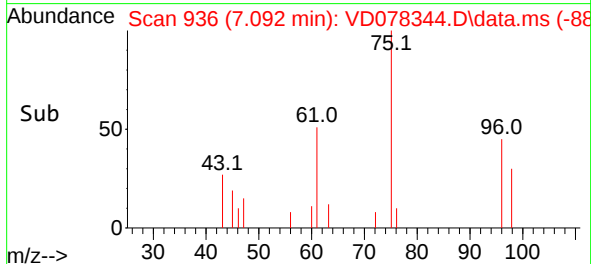
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
72 22.2 15.4 46.2

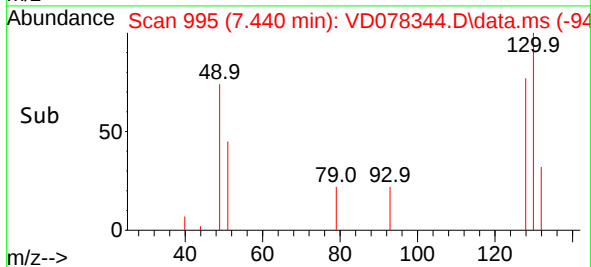
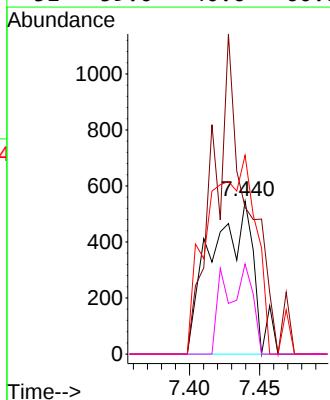
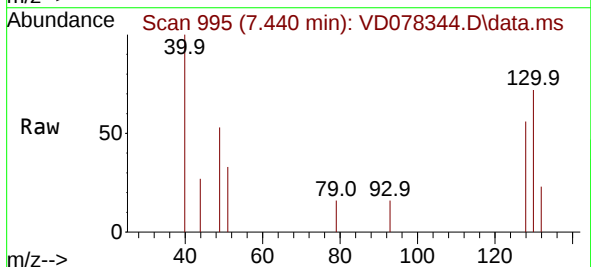
Manual Integrations
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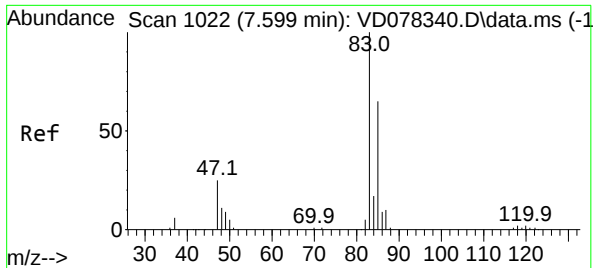
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#23
Bromochloromethane
Concen: 0.742 ug/L m
RT: 7.440 min Scan# 995
Delta R.T. 0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion:128 Resp: 1154
Ion Ratio Lower Upper
128 100
49 96.0 102.7 190.7#
130 130.0 82.6 153.4
51 59.0 40.6 60.8





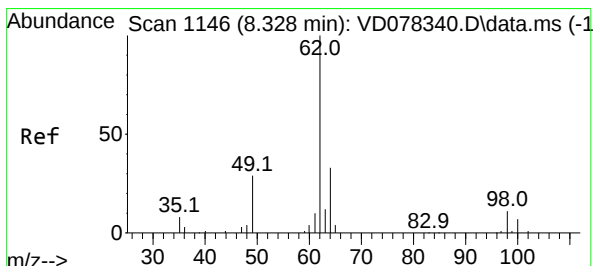
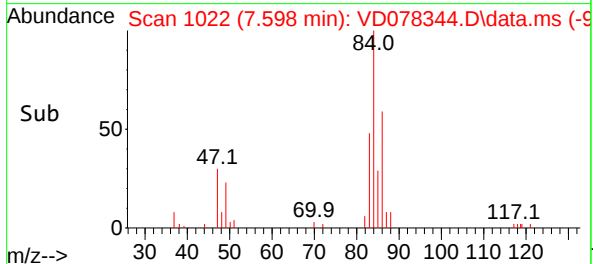
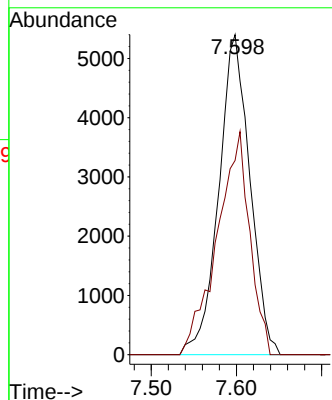
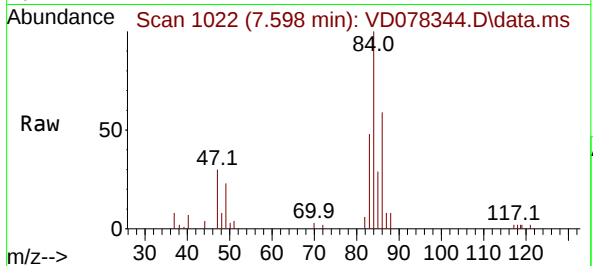
#25
Chloroform
Concen: 2.237 ug/L
RT: 7.598 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 13720
Ion Ratio Lower Upper
83 100
85 60.7 44.9 83.3

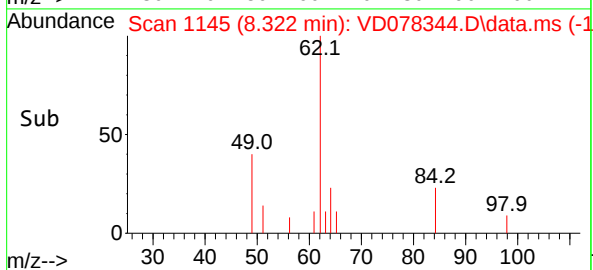
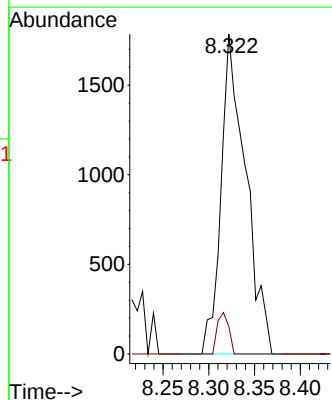
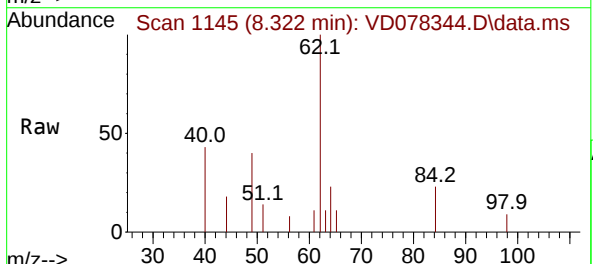
Manual Integrations
APPROVED

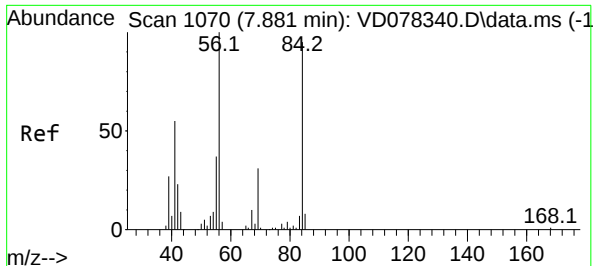
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#27
1,2-Dichloroethane
Concen: 0.850 ug/L m
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 62 Resp: 3351
Ion Ratio Lower Upper
62 100
98 8.5 9.5 14.3#





#29

Cyclohexane

Concen: 0.764 ug/L m

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078344.D

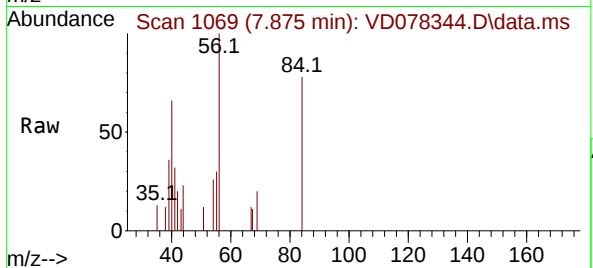
Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

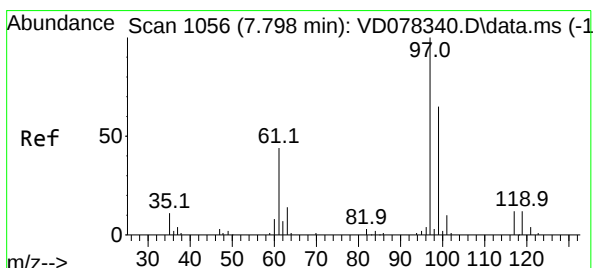
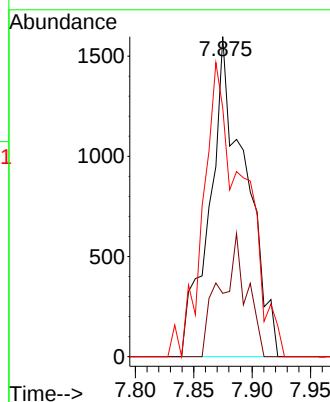
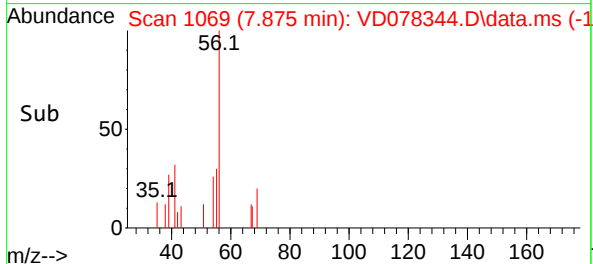


Tgt Ion:	56	Resp:	340
Ion Ratio	100	Lower	Upper
56	100		
69	10.1	23.3	34.9
84	61.0	74.7	112.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#30

1,1,1-Trichloroethane

Concen: 0.887 ug/L

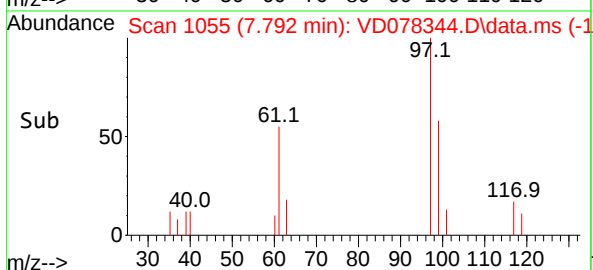
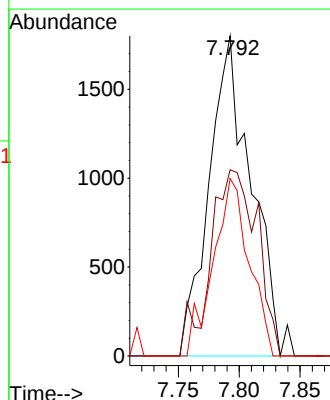
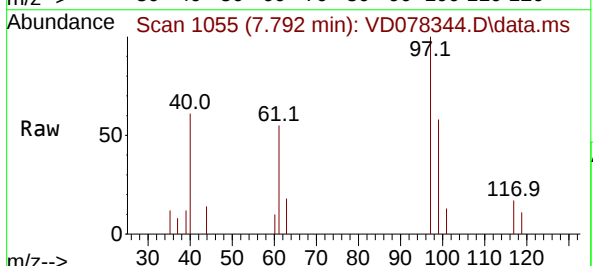
RT: 7.792 min Scan# 1055

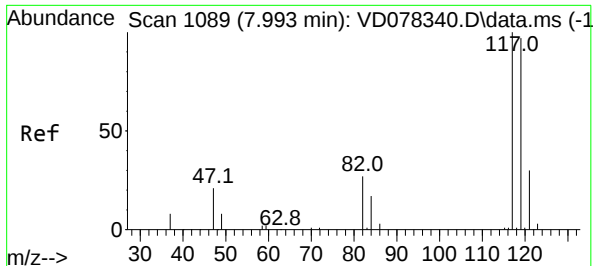
Delta R.T. -0.006 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

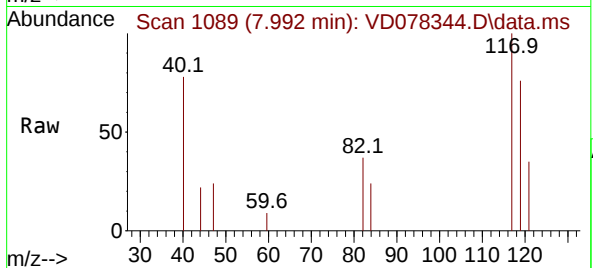
Tgt Ion:	97	Resp:	4289
Ion Ratio	100	Lower	Upper
97	100		
99	39.4	50.7	76.1
61	47.6	34.4	51.6





#31
Carbon tetrachloride
Concen: 0.845 ug/L m
RT: 7.992 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

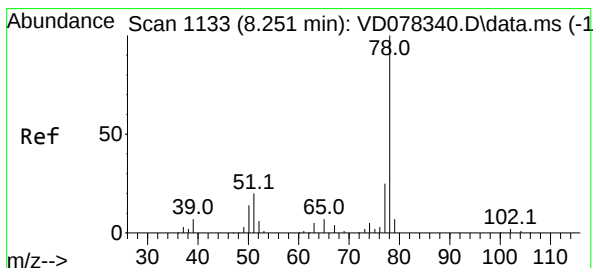
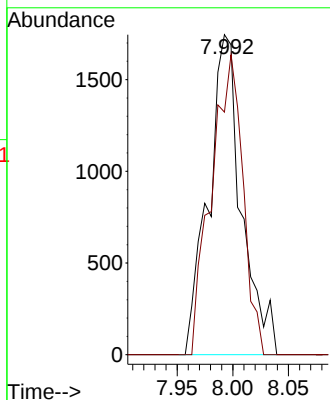
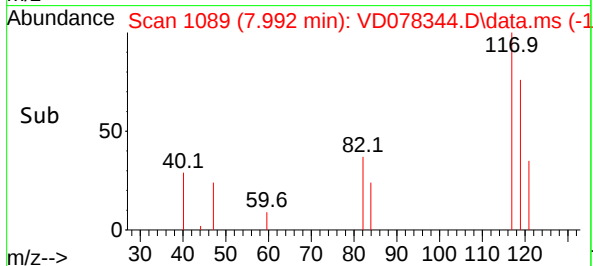
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 360
Ion Ratio Lower Upper
117 100
119 89.3 77.0 115.4

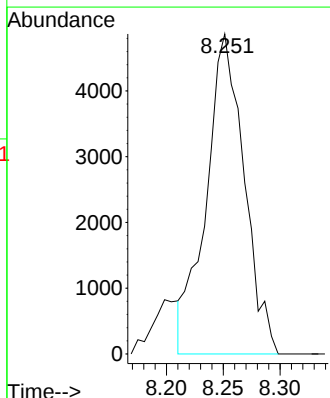
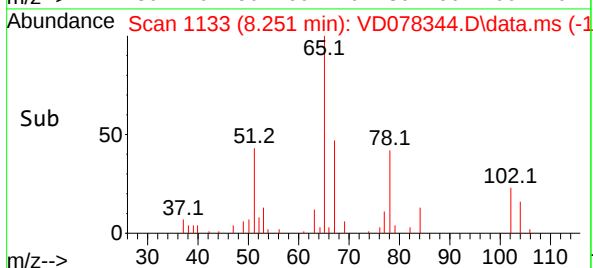
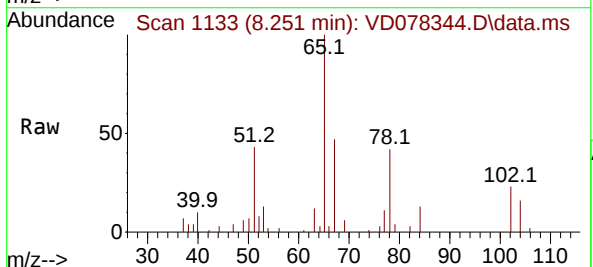
Manual Integrations
APPROVED

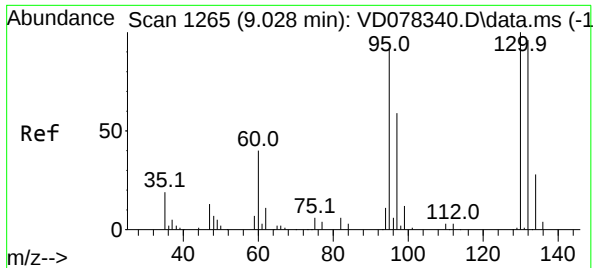
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#33
Benzene
Concen: 0.852 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

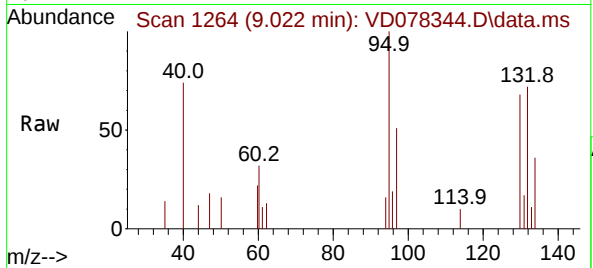
Tgt Ion: 78 Resp: 11323





#34
Trichloroethene
Concen: 0.826 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

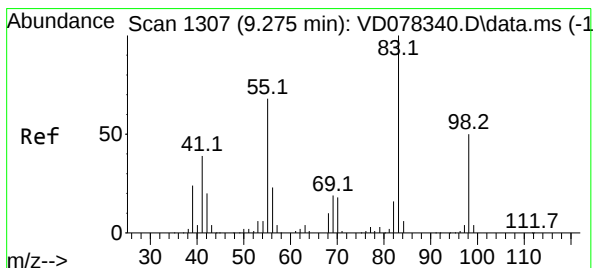
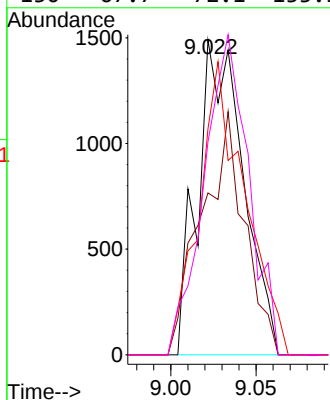
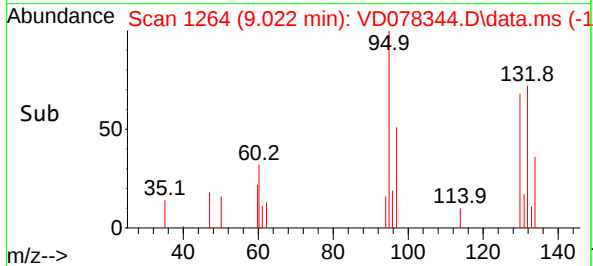
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 95 Resp: 2774
Ion Ratio Lower Upper
95 100
97 51.4 46.9 87.1
132 71.8 73.7 136.9
130 67.7 72.1 133.9#

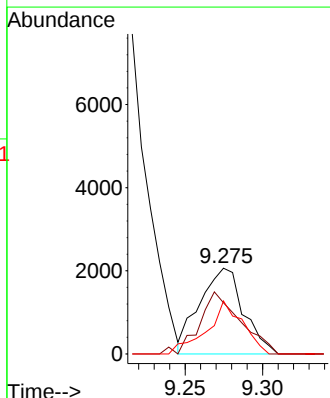
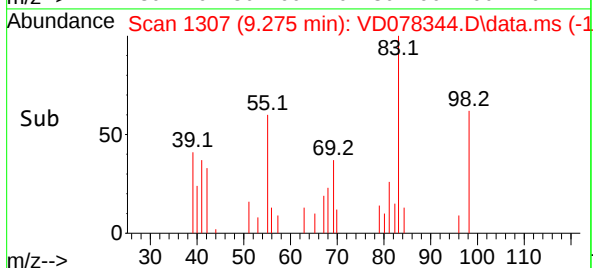
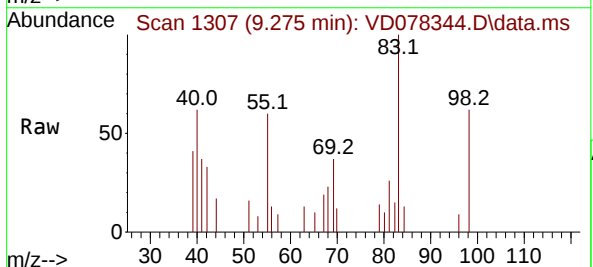
Manual Integrations
APPROVED

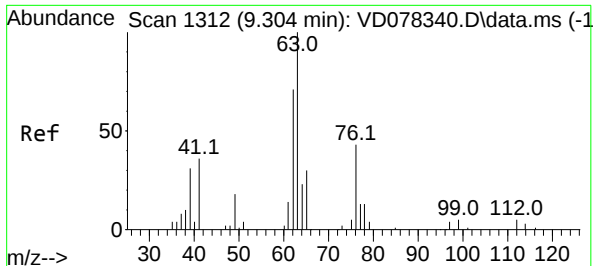
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#35
Methylcyclohexane
Concen: 0.775 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 83 Resp: 4073
Ion Ratio Lower Upper
83 100
55 66.1 56.2 84.4
98 50.2 41.2 61.8





#37

1,2-Dichloropropane

Concen: 0.899 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

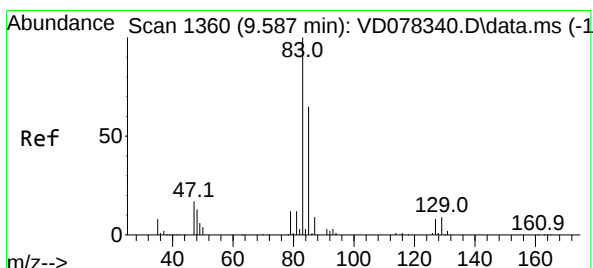
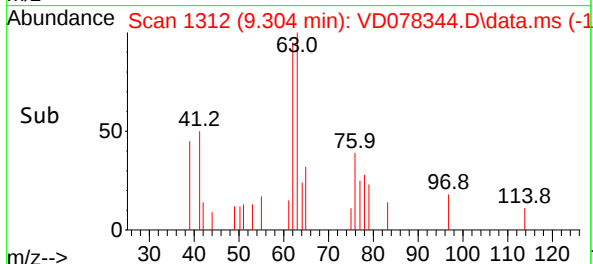
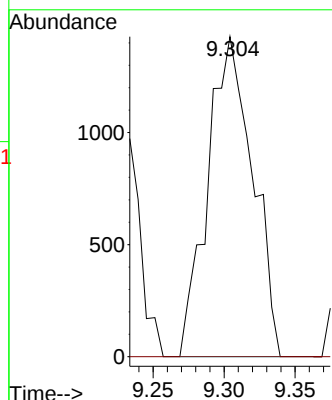
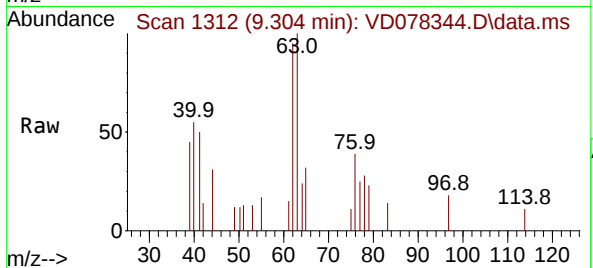
MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 3148
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#38

Bromodichloromethane

Concen: 0.819 ug/L

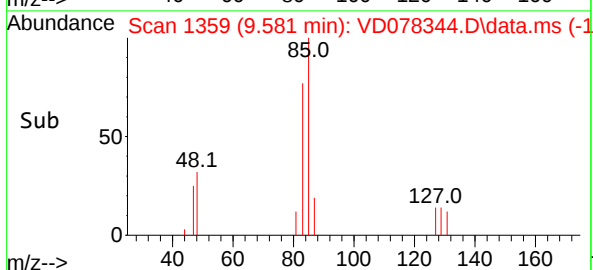
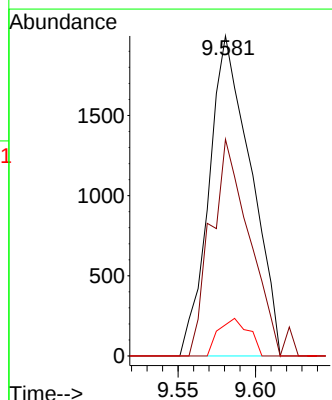
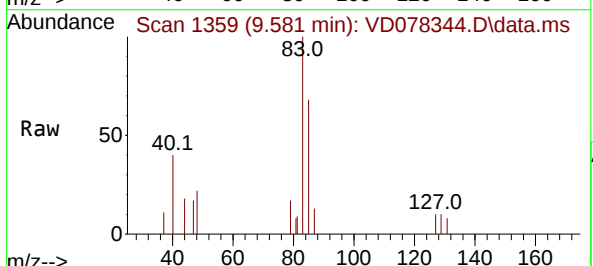
RT: 9.581 min Scan# 1359

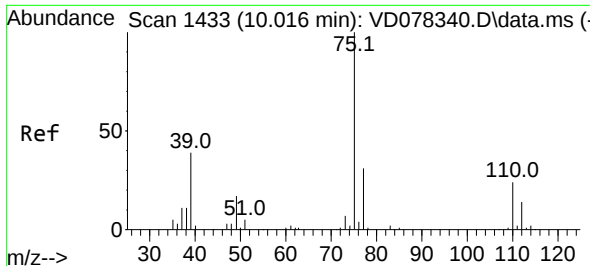
Delta R.T. -0.006 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

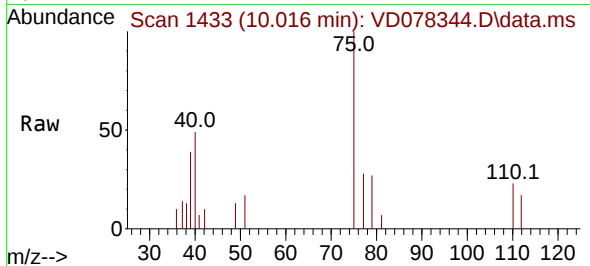
Tgt Ion: 83 Resp: 3745
 Ion Ratio Lower Upper
 83 100
 85 67.7 46.6 86.6
 127 9.8 8.1 12.1





#39
 cis-1,3-Dichloropropene
 Concen: 0.873 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD078344.D
 Acq: 05 Feb 2024 13:19

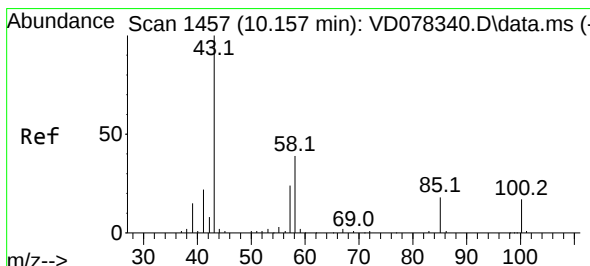
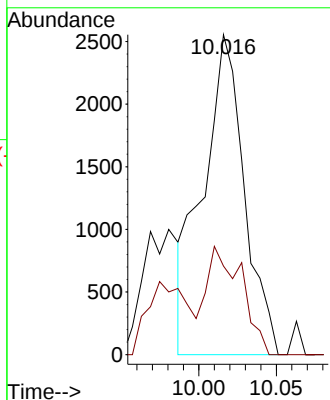
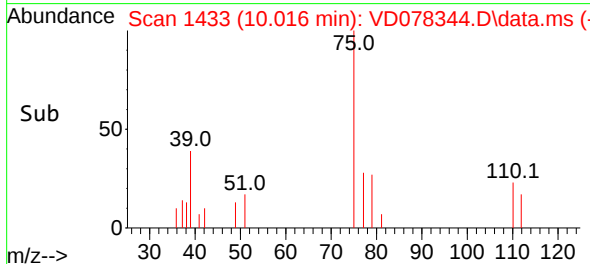
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



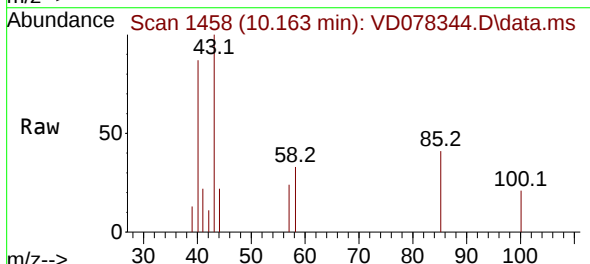
Tgt Ion: 75 Resp: 4759
 Ion Ratio Lower Upper
 75 100
 77 27.7 22.3 41.5

Manual Integrations
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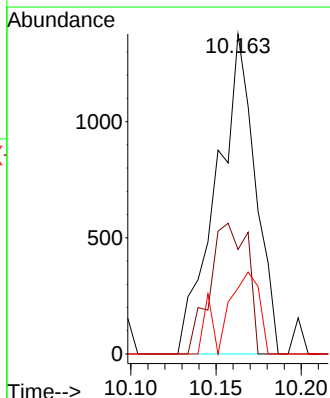
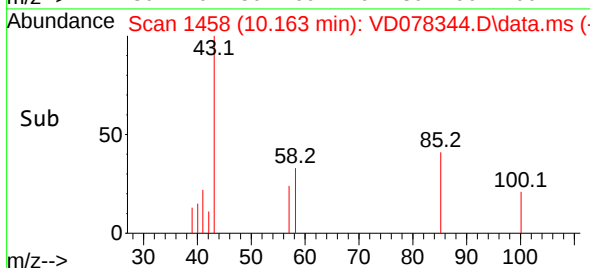
Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

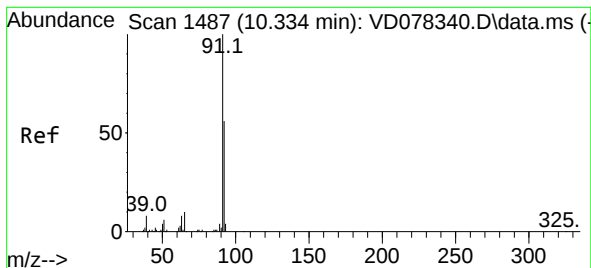


#40
 4-Methyl-2-pentanone
 Concen: 1.006 ug/L
 RT: 10.163 min Scan# 1458
 Delta R.T. 0.006 min
 Lab File: VD078344.D
 Acq: 05 Feb 2024 13:19



Tgt Ion: 43 Resp: 2188
 Ion Ratio Lower Upper
 43 100
 58 31.1 34.0 51.0#
 100 18.6 13.2 19.8





#42

Toluene

Concen: 0.820 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 1134

Ion Ratio Lower Upper

91 100

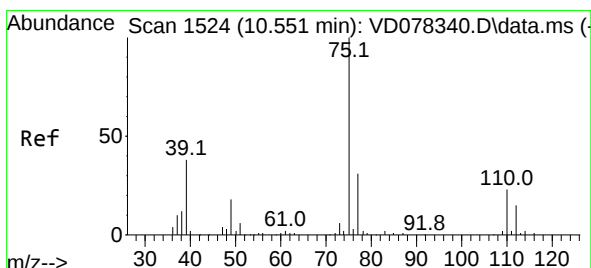
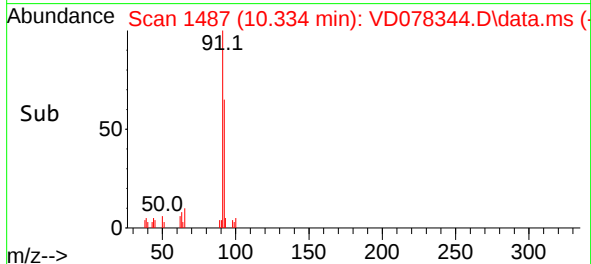
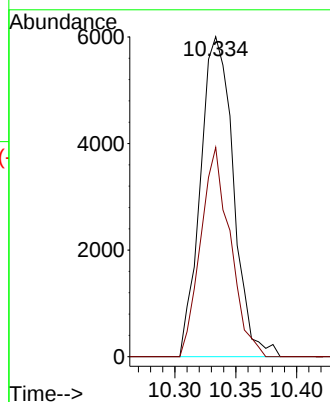
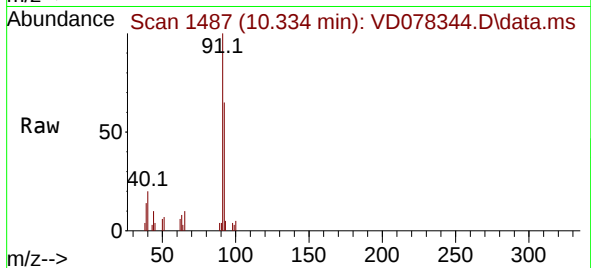
92 65.4 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#44

trans-1,3-Dichloropropene

Concen: 0.784 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD078344.D

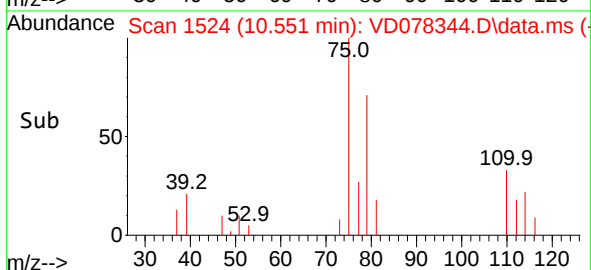
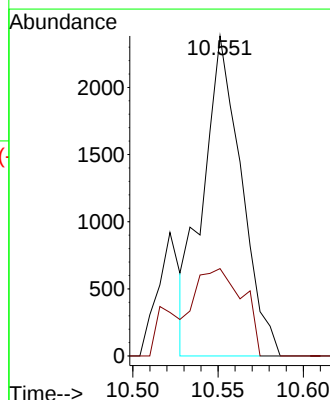
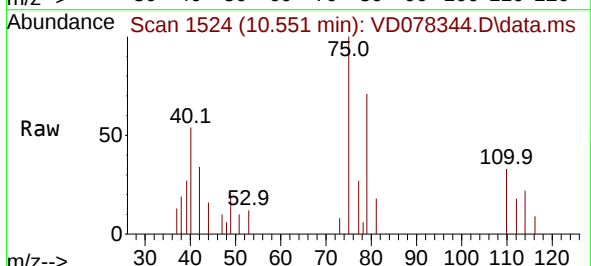
Acq: 05 Feb 2024 13:19

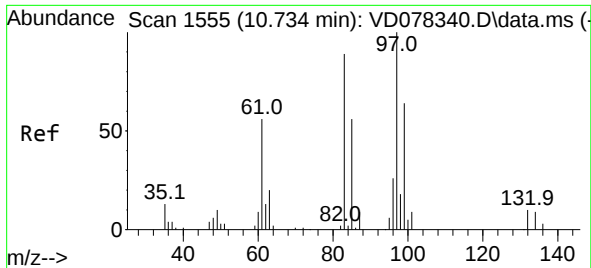
Tgt Ion: 75 Resp: 3742

Ion Ratio Lower Upper

75 100

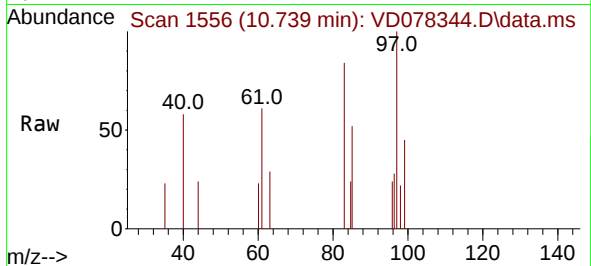
77 27.3 20.7 38.5





#45
1,1,2-Trichloroethane
Concen: 0.671 ug/L
RT: 10.739 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

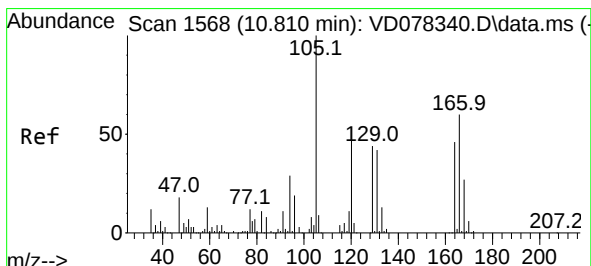
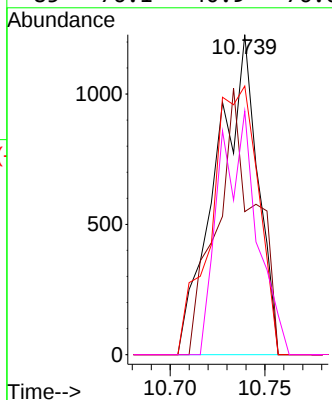
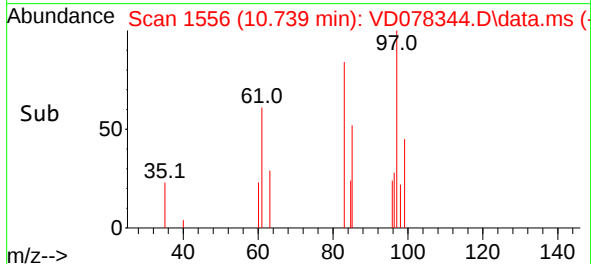
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



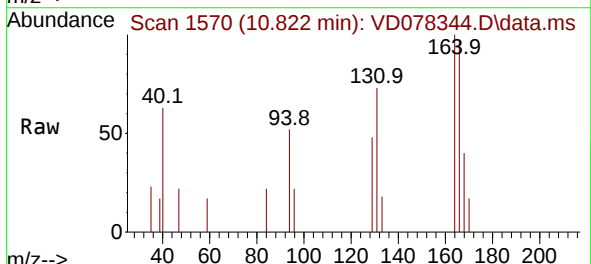
Tgt Ion	Ratio	Lower	Upper
97	100		
99	44.7	45.4	84.4
83	84.0	59.5	110.5
85	76.1	40.9	76.0

Manual Integrations
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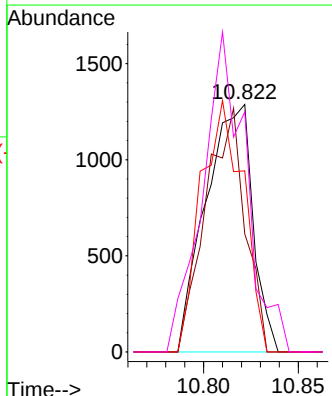
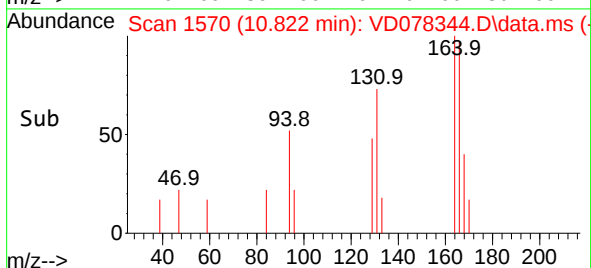
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

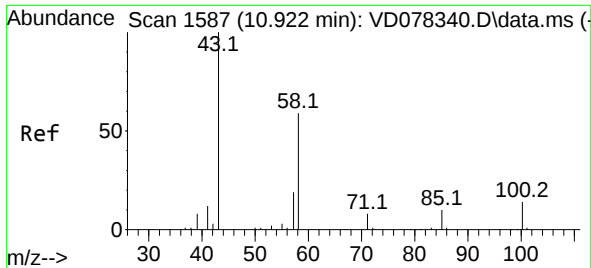


#46
Tetrachloroethene
Concen: 0.963 ug/L
RT: 10.822 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19



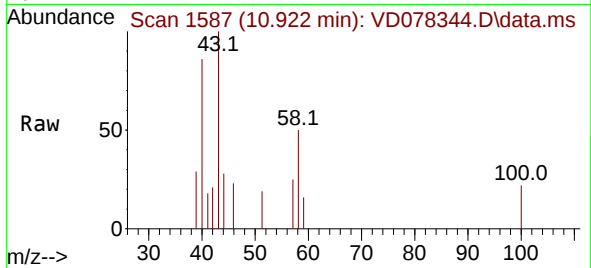
Tgt Ion	Ratio	Lower	Upper
164	100		
129	47.7	66.7	123.9
131	73.1	65.2	121.0
166	97.0	88.5	164.3





#48
2-Hexanone
Concen: 1.142 ug/L m
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

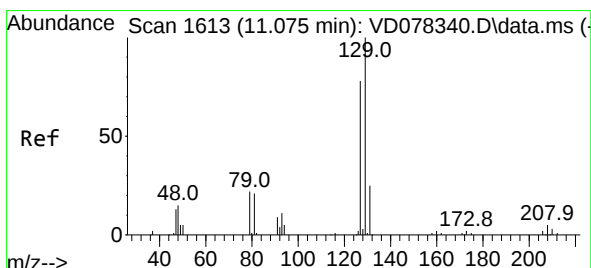
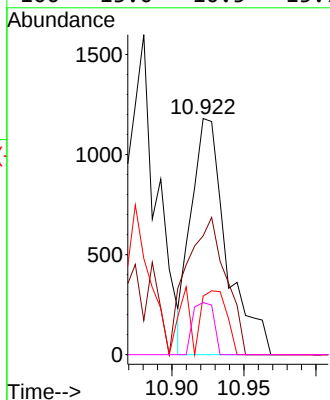
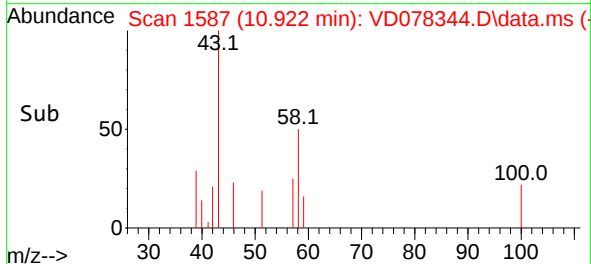
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
58 63.9 48.5 72.7
57 19.2 15.6 23.4
100 13.0 10.5 15.7

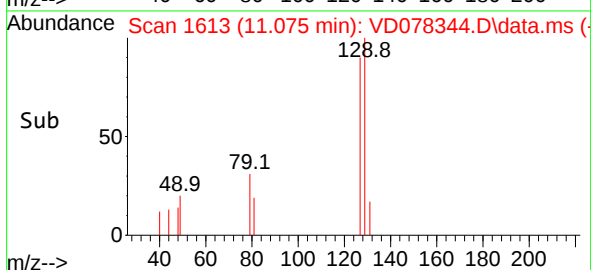
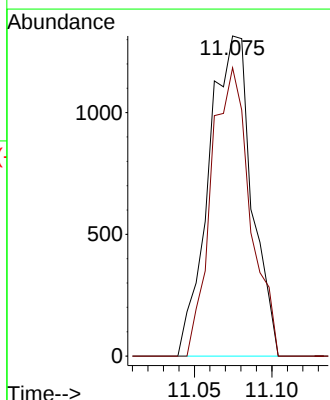
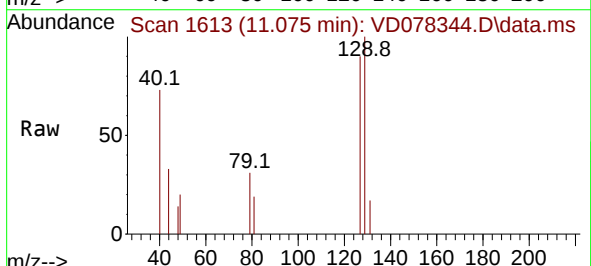
Manual Integrations
APPROVED

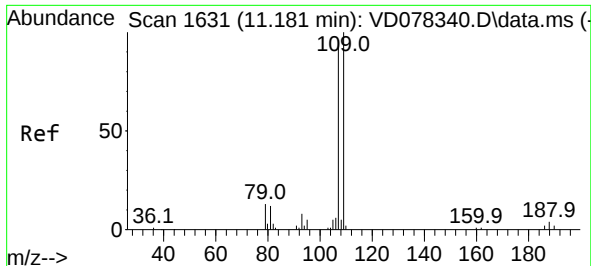
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#49
Dibromochloromethane
Concen: 0.810 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion:129 Resp: 2542
Ion Ratio Lower Upper
129 100
127 90.0 52.7 97.9





#50

1,2-Dibromoethane

Concen: 0.741 ug/L m

RT: 11.169 min Scan# 1

Delta R.T. -0.012 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

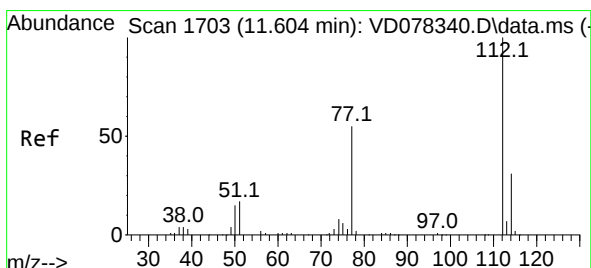
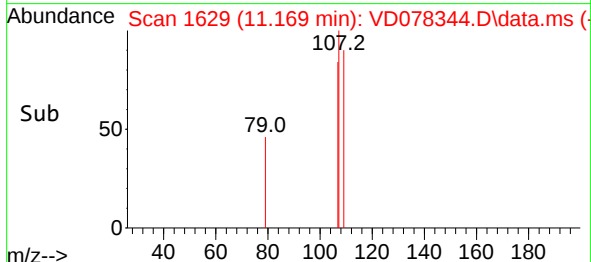
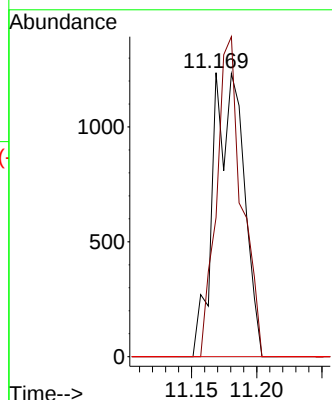
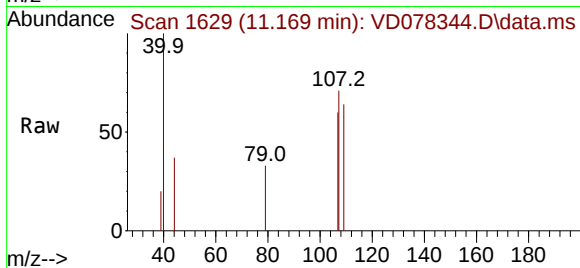
MDL-SOIL-QT4-2023-07

Tgt Ion:	107	Resp:	2018
Ion	Ratio	Lower	Upper
107	100		
109	90.0	64.0	118.8
188	0.0	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#51

Chlorobenzene

Concen: 0.815 ug/L

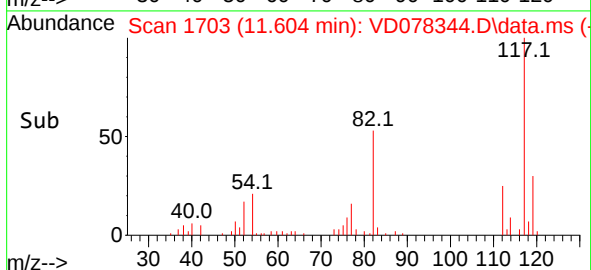
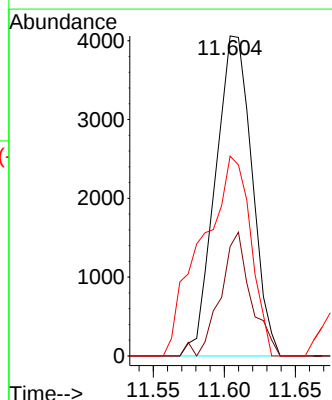
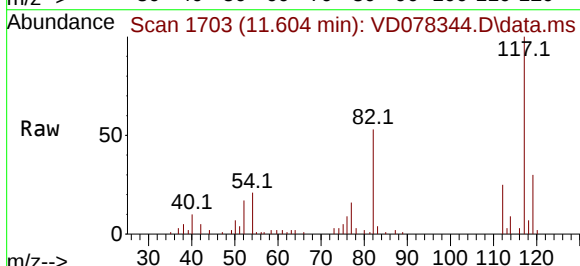
RT: 11.604 min Scan# 1703

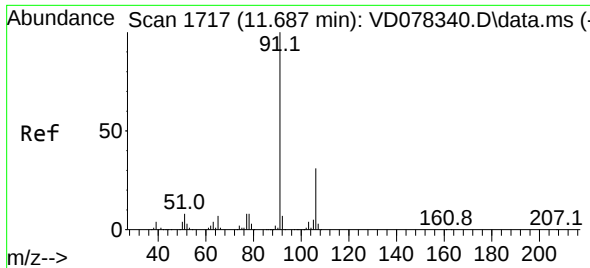
Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Tgt Ion:	112	Resp:	7303
Ion	Ratio	Lower	Upper
112	100		
114	34.2	22.3	41.3
77	62.5	42.3	63.5





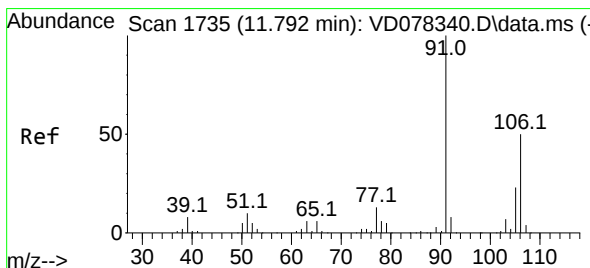
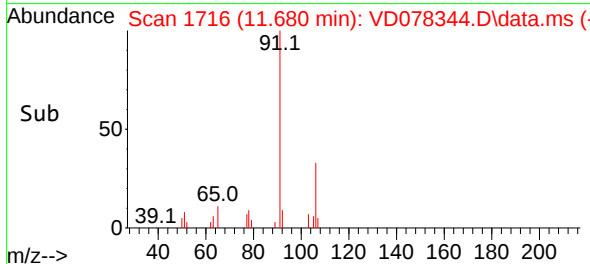
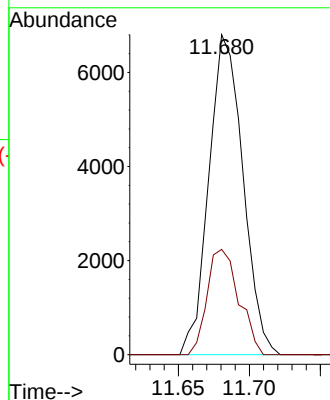
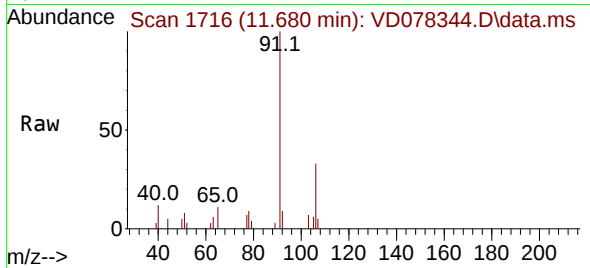
#52
Ethylbenzene
Concen: 0.764 ug/L
RT: 11.680 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 11349
Ion Ratio Lower Upper
91 100
106 32.9 22.5 41.7

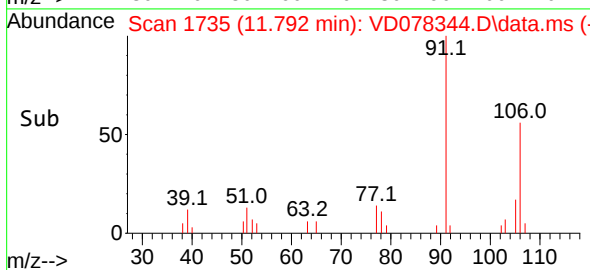
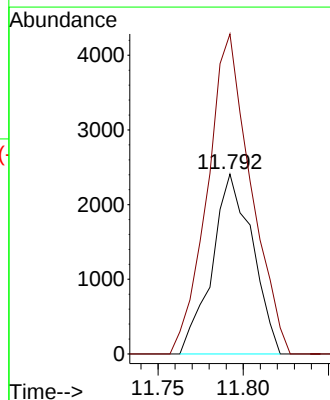
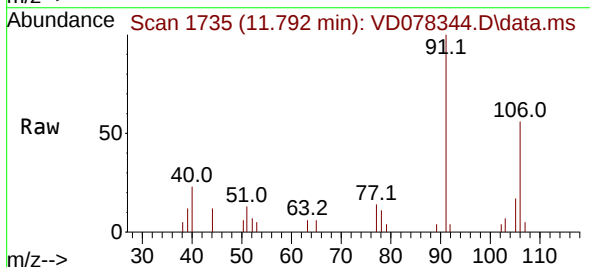
Manual Integrations
APPROVED

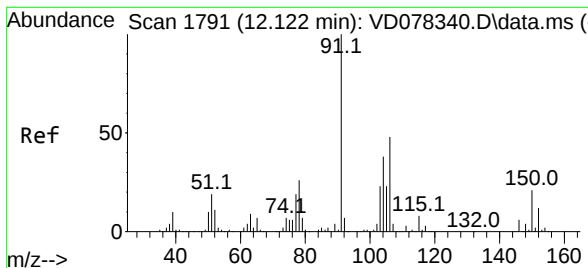
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#53
m,p-Xylene
Concen: 0.695 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

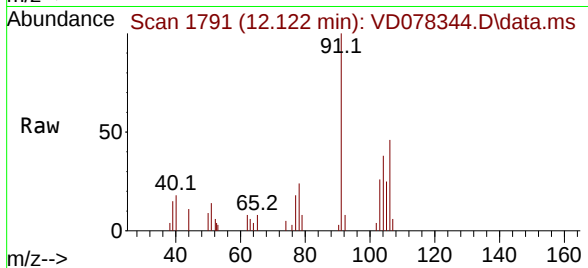
Tgt Ion:106 Resp: 3970
Ion Ratio Lower Upper
106 100
91 177.9 138.3 256.8





#54
o-Xylene
Concen: 0.682 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

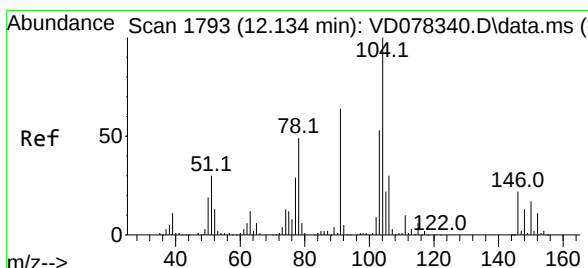
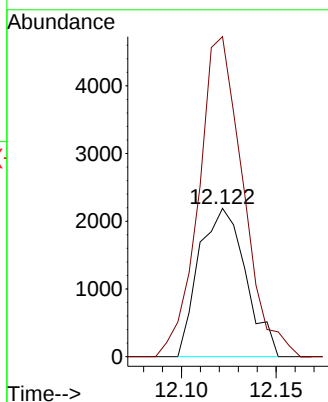
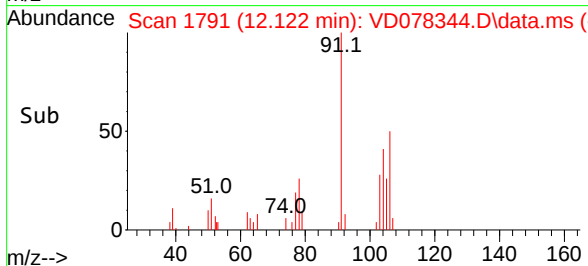
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:106 Resp: 3754
Ion Ratio Lower Upper
106 100
91 215.8 148.0 274.8

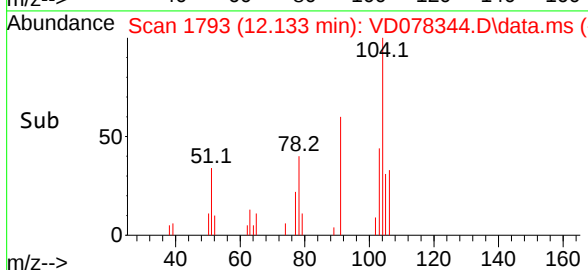
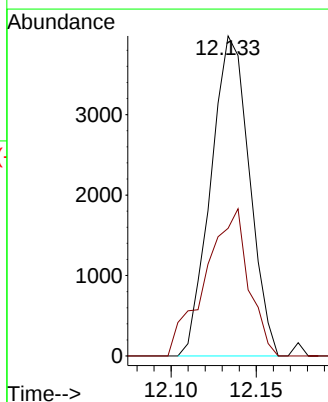
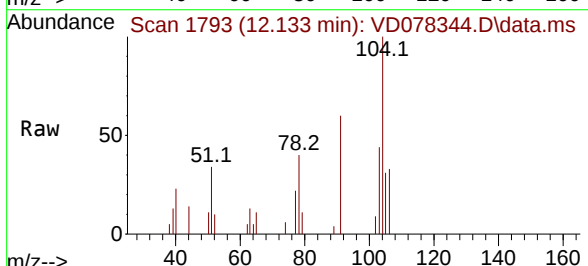
Manual Integrations
APPROVED

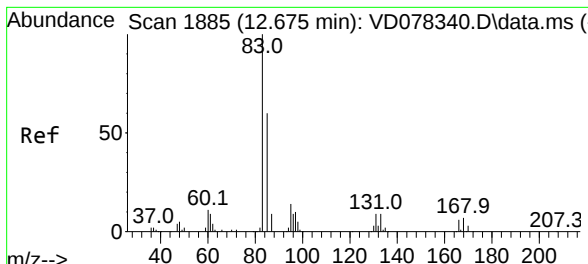
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#55
Styrene
Concen: 0.631 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Tgt Ion:104 Resp: 6269
Ion Ratio Lower Upper
104 100
78 39.9 29.5 54.7



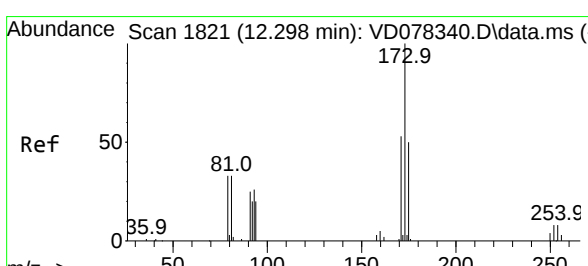
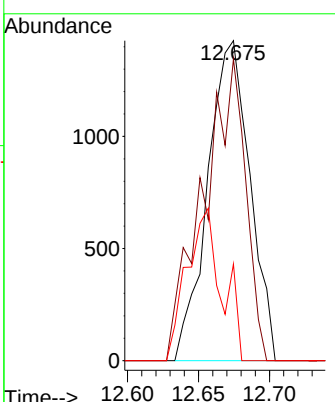
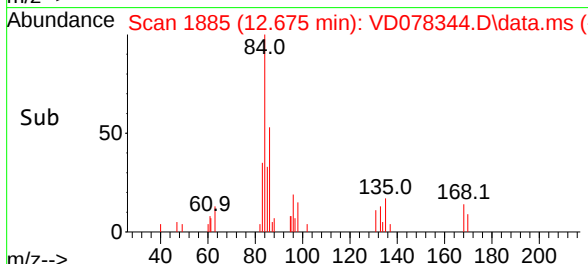
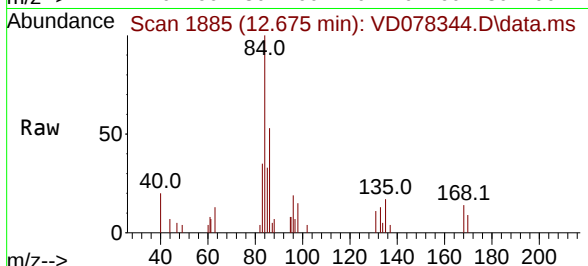


#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.825 ug/L
 RT: 12.675 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VD078344.D
 Acq: 05 Feb 2024 13:19

Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2023-07

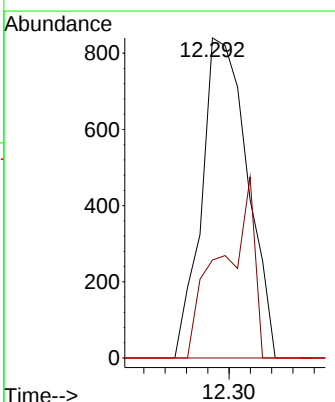
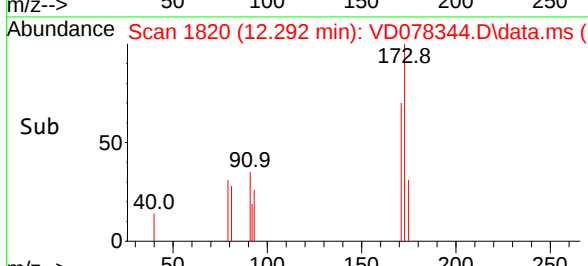
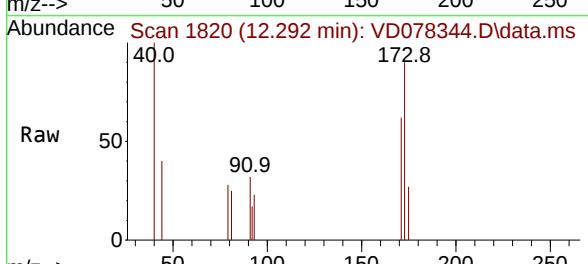
Tgt Ion: 83	Resp: 295
Ion Ratio	Lower Upper
83	100
85	94.3 42.6 79.0
131	30.2 6.0 9.0

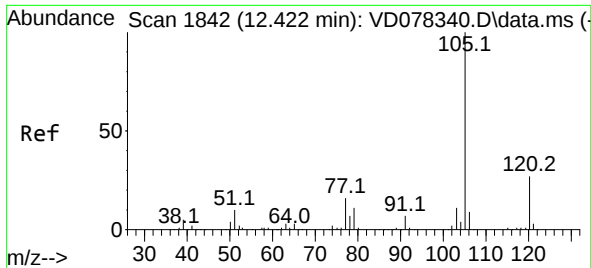
Manual Integrations
APPROVED
 Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#59
 Bromoform
 Concen: 0.784 ug/L
 RT: 12.292 min Scan# 1820
 Delta R.T. -0.006 min
 Lab File: VD078344.D
 Acq: 05 Feb 2024 13:19

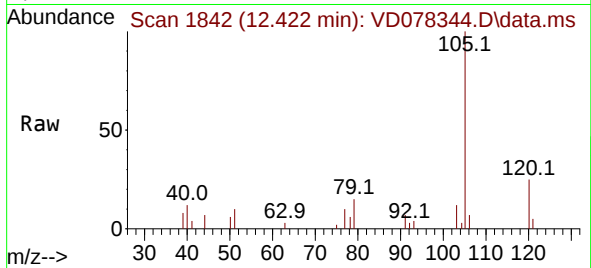
Tgt Ion: 173	Resp: 1253
Ion Ratio	Lower Upper
173	100
175	27.3 40.2 60.4
254	0.0 6.6 9.8





#60
Isopropylbenzene
Concen: 0.789 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

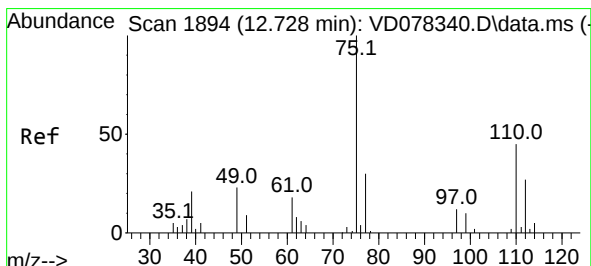
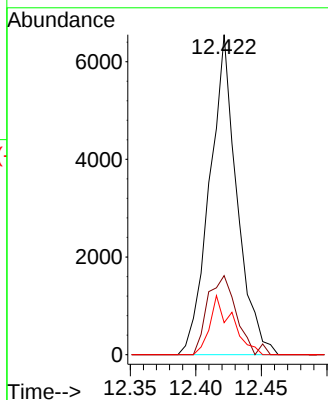
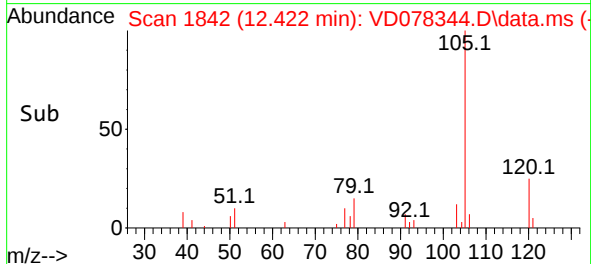
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



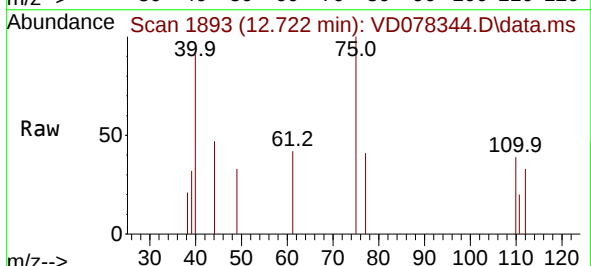
Tgt Ion:105 Resp: 949
Ion Ratio Lower Upper
105 100
120 25.3 20.4 30.6
77 15.3 12.4 18.6

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APPROVED

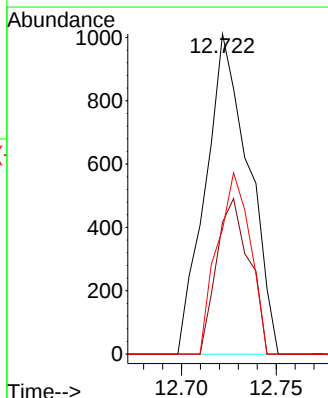
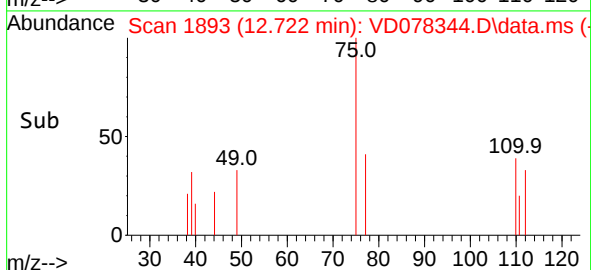
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

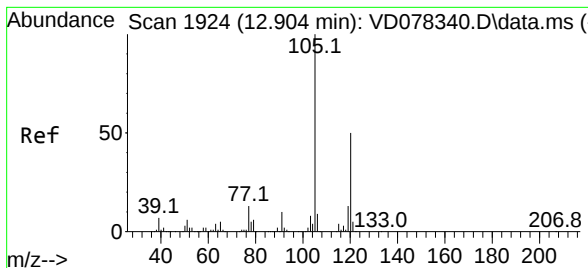


#61
1,2,3-Trichloropropane
Concen: 0.788 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19



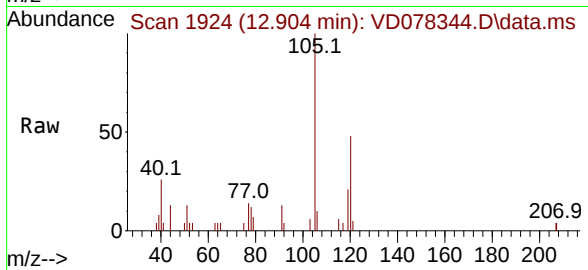
Tgt Ion: 75 Resp: 1601
Ion Ratio Lower Upper
75 100
77 36.9 26.5 39.7
110 43.2 31.8 47.8





#62
1,3,5-Trimethylbenzene
Concen: 0.648 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

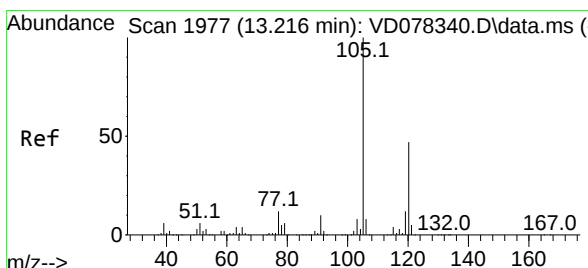
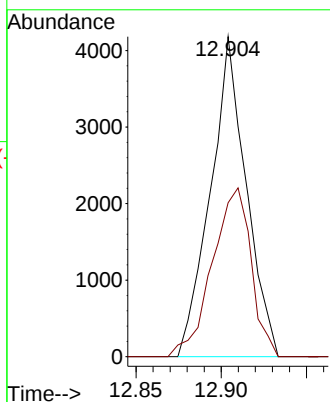
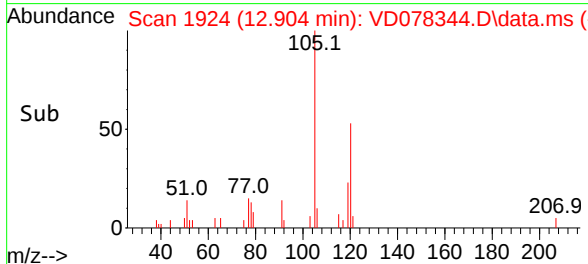
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



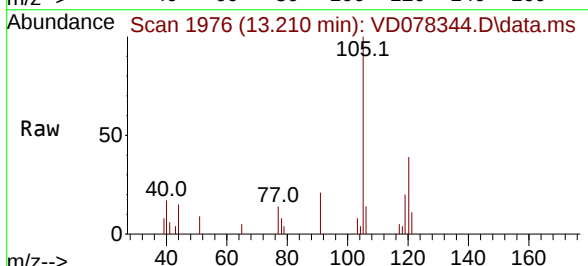
Tgt Ion:105 Resp: 6099
Ion Ratio Lower Upper
105 100
120 57.3 39.5 59.3

Manual Integrations
APPROVED

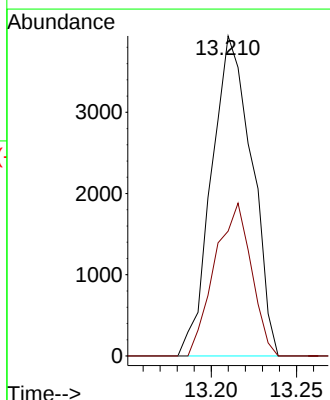
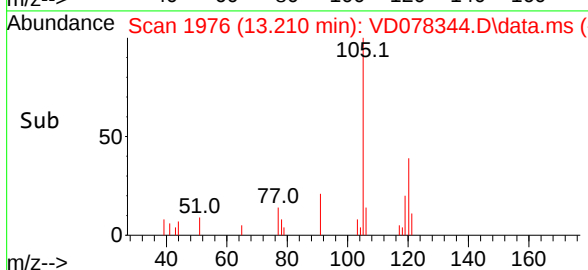
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

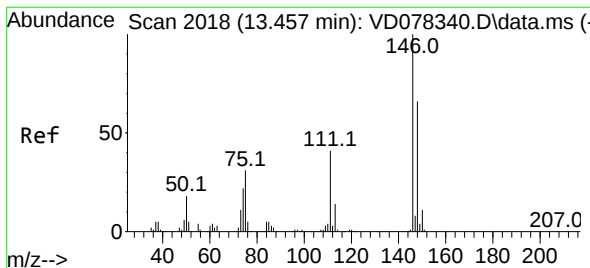


#63
1,2,4-Trimethylbenzene
Concen: 0.696 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19



Tgt Ion:105 Resp: 6486
Ion Ratio Lower Upper
105 100
120 43.4 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 0.856 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

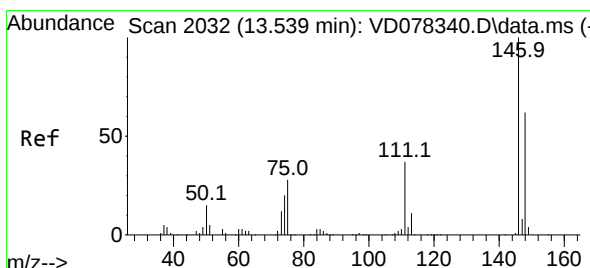
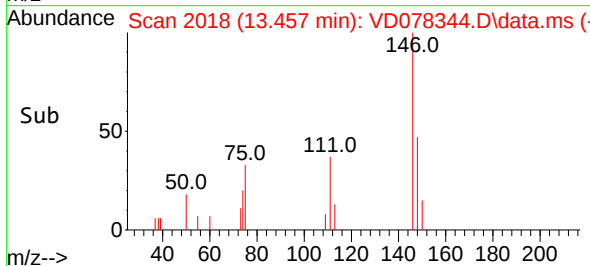
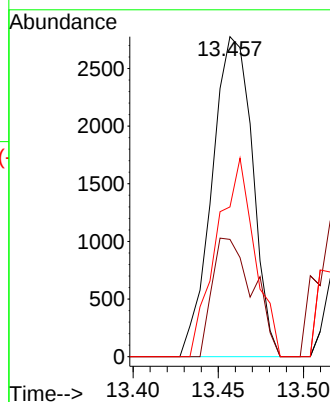
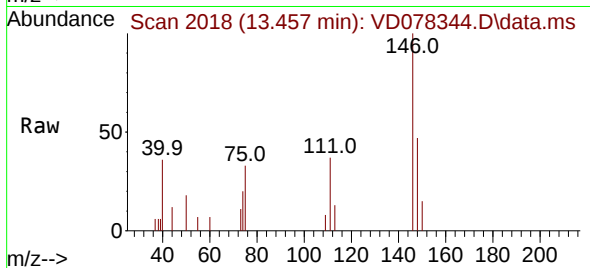
MDL-SOIL-QT4-2023-07

Tgt Ion:146	Resp:	4598
Ion Ratio	Lower	Upper
146	100	
111	36.7	28.6 53.0
148	46.8	46.5 86.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#65

1,4-Dichlorobenzene

Concen: 0.907 ug/L

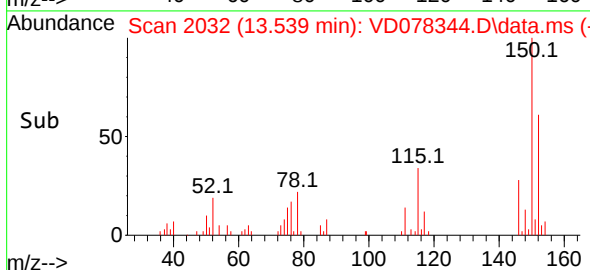
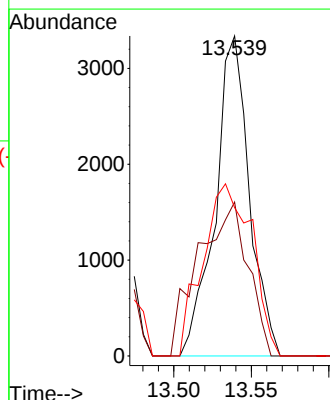
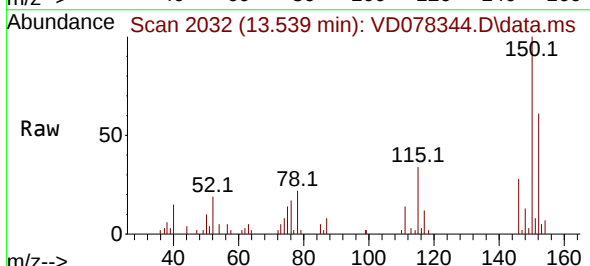
RT: 13.539 min Scan# 2032

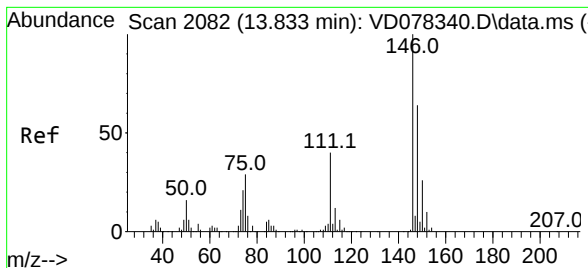
Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Tgt Ion:146	Resp:	5098
Ion Ratio	Lower	Upper
146	100	
111	48.1	26.4 49.0
148	46.3	44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.937 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

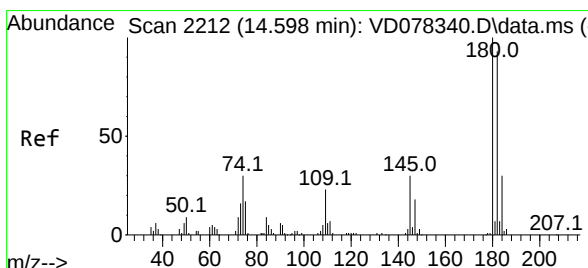
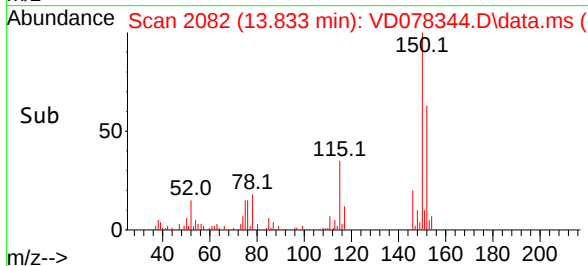
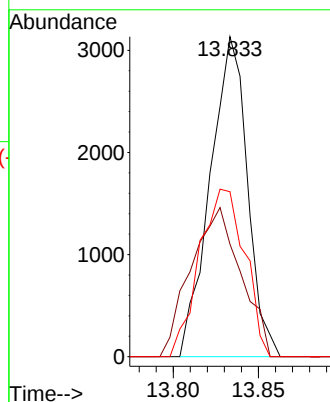
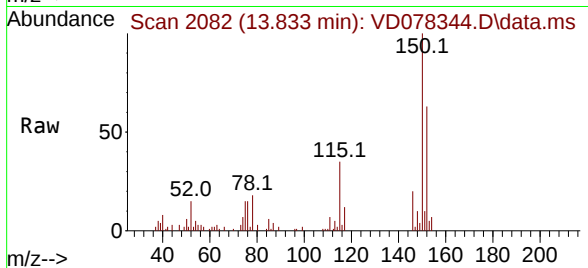
MDL-SOIL-QT4-2023-07

Tgt Ion:	146	Resp:	476
Ion Ratio	Lower	Upper	
146	100		
111	35.1	33.6	50.4
148	51.6	48.4	72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#69

1,3,5-Trichlorobenzene

Concen: 0.832 ug/L

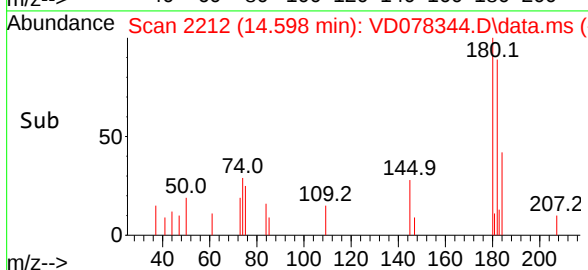
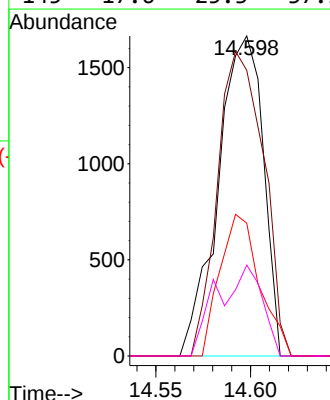
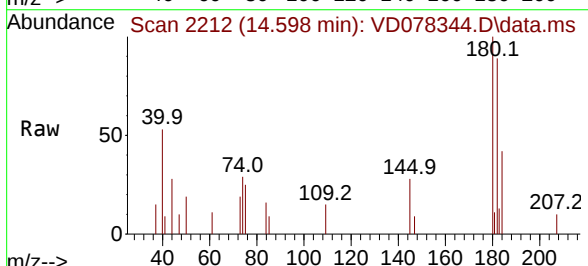
RT: 14.598 min Scan# 2212

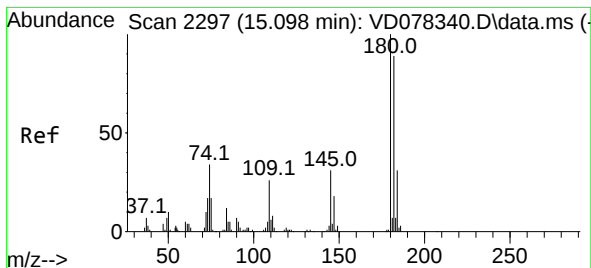
Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Tgt Ion:	180	Resp:	2754
Ion Ratio	Lower	Upper	
180	100		
182	97.1	75.6	113.4
184	39.2	23.2	34.8#
145	17.6	25.3	37.9#





#70

1,2,4-trichlorobenzene

Concen: 0.882 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

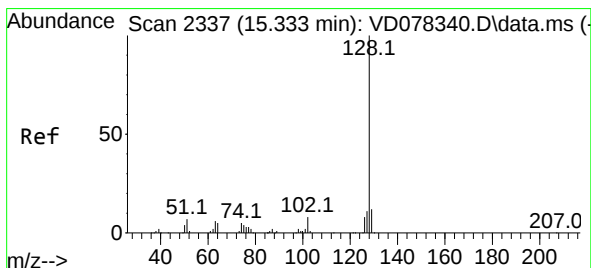
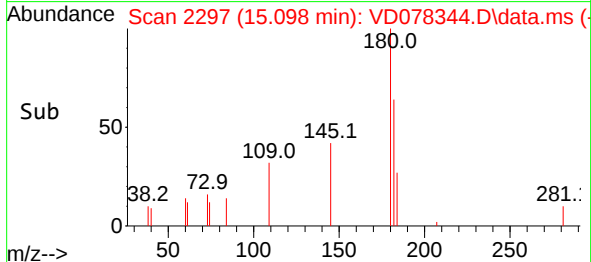
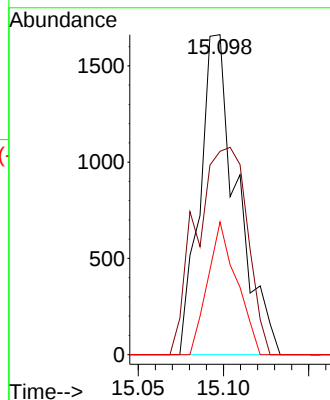
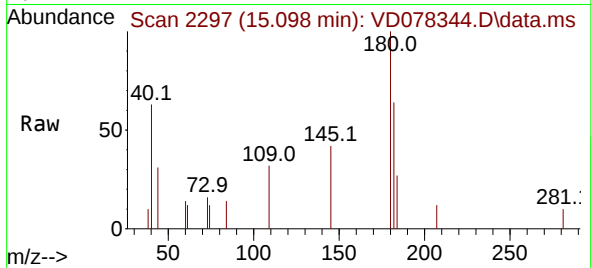
MDL-SOIL-QT4-2023-07

Tgt Ion:180	Resp:	252
Ion Ratio	Lower	Upper
180	100	
182	88.5	76.2 114.4
145	32.4	25.0 37.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#71

Naphthalene

Concen: 0.710 ug/L

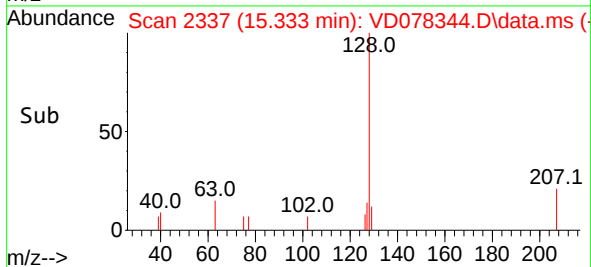
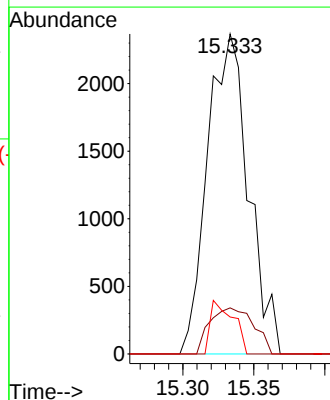
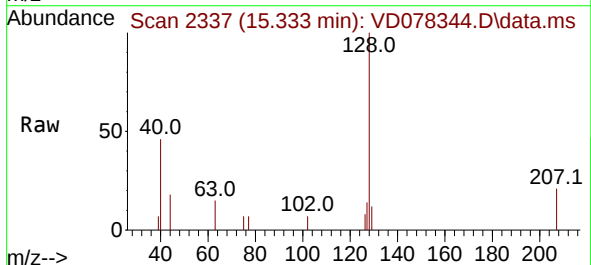
RT: 15.333 min Scan# 2337

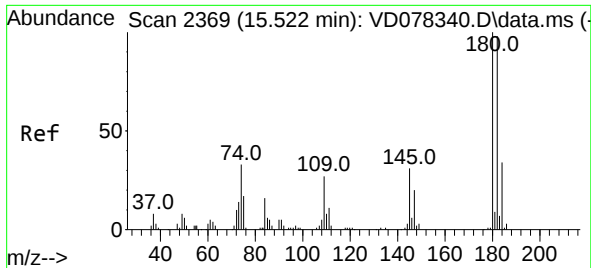
Delta R.T. -0.000 min

Lab File: VD078344.D

Acq: 05 Feb 2024 13:19

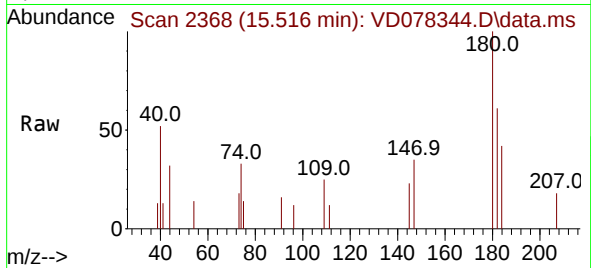
Tgt Ion:128	Resp:	4754
Ion Ratio	Lower	Upper
128	100	
127	15.4	11.0 16.4
129	9.3	8.6 12.8





#72
1,2,3-Trichlorobenzene
Concen: 0.891 ug/L m
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD078344.D
Acq: 05 Feb 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 2379
Ion Ratio Lower Upper
180 100
182 76.3 75.4 113.0
145 24.5 26.8 40.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

