

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078346.D
 Acq On : 05 Feb 2024 14:13
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 06 01:30:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.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	203167	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	197100	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	80063	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	97205	16.864	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.440%
7) Chloroethane-d5	2.799	69	91045	18.791	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.160%
11) 1,1-Dichloroethene-d2	3.917	65	21594	17.350	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.400%
21) 2-Butanone-d5	6.993	46	29868	35.194	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.380%
24) Chloroform-d	7.569	84	109624	18.925	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.680%
26) 1,2-Dichloroethane-d4	8.234	65	59439	19.014	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.040%
32) Benzene-d6	8.205	84	215700	18.716	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.880%
36) 1,2-Dichloropropane-d6	9.210	67	70438	19.853	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.400%
41) Toluene-d8	10.269	98	183375	17.715	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.840%
43) trans-1,3-Dichloroprop...	10.522	79	28611	18.060	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.240%
47) 2-Hexanone-d5	10.881	63	25825	35.875	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.740%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	61794	18.743	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	61586	21.486	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2898	0.723	ug/L	96
3) Chloromethane	2.152	50	5006	0.859	ug/L	90
5) Vinyl chloride	2.281	62	6467	0.898	ug/L #	65
6) Bromomethane	2.693	94	2878	0.881	ug/L	93
8) Chloroethane	2.834	64	3870m	0.844	ug/L	
9) Trichlorofluoromethane	3.170	101	4521	0.883	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	3197m	1.003	ug/L	
12) 1,1-Dichloroethene	3.946	96	2859m	0.969	ug/L	
14) Carbon disulfide	4.270	76	8484	0.781	ug/L #	93
15) Methyl Acetate	4.581	43	1083m	0.649	ug/L	
16) Methylene chloride	4.805	84	9181m	2.304	ug/L	
17) trans-1,2-Dichloroethene	5.305	96	2567m	0.790	ug/L	
18) Methyl tert-butyl Ether	5.317	73	4753m	0.629	ug/L	
19) 1,1-Dichloroethane	6.117	63	4506m	0.792	ug/L	
20) cis-1,2-Dichloroethene	7.087	96	3166	0.889	ug/L	85
22) 2-Butanone	7.093	43	1833m	1.359	ug/L	
23) Bromochloromethane	7.428	128	1478m	0.940	ug/L	
25) Chloroform	7.593	83	10759	1.734	ug/L	93
27) 1,2-Dichloroethane	8.322	62	2982	0.748	ug/L #	69

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	2912	0.654	ug/L #	83
30) 1,1,1-Trichloroethane	7.799	97	3994m	0.827	ug/L	
31) Carbon tetrachloride	7.993	117	3498m	0.822	ug/L	
33) Benzene	8.252	78	11180	0.842	ug/L	100
34) Trichloroethene	9.028	95	2651	0.790	ug/L	81
35) Methylcyclohexane	9.275	83	3887	0.741	ug/L #	78
37) 1,2-Dichloropropane	9.299	63	2804m	0.801	ug/L	
38) Bromodichloromethane	9.581	83	3599	0.788	ug/L #	71
39) cis-1,3-Dichloropropene	10.010	75	4146m	0.761	ug/L	
40) 4-Methyl-2-pentanone	10.157	43	2615	1.203	ug/L #	83
42) Toluene	10.334	91	10985	0.795	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	4093m	0.859	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	2293	0.822	ug/L	85
46) Tetrachloroethene	10.810	164	1754	0.762	ug/L	84
48) 2-Hexanone	10.922	43	2705	1.526	ug/L #	80
49) Dibromochloromethane	11.081	129	2178	0.695	ug/L #	67
50) 1,2-Dibromoethane	11.175	107	1836	0.675	ug/L #	96
51) Chlorobenzene	11.610	112	7405	0.828	ug/L #	87
52) Ethylbenzene	11.681	91	10705	0.721	ug/L	86
53) m,p-Xylene	11.793	106	3728	0.653	ug/L	89
54) o-Xylene	12.122	106	3315	0.603	ug/L	87
55) Styrene	12.134	104	5878	0.592	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	3091	0.865	ug/L #	91
59) Bromoform	12.293	173	1241m	0.773	ug/L	
60) Isopropylbenzene	12.428	105	9127	0.754	ug/L	94
61) 1,2,3-Trichloropropane	12.722	75	1640	0.803	ug/L	95
62) 1,3,5-Trimethylbenzene	12.904	105	5827	0.616	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	6099	0.651	ug/L	93
64) 1,3-Dichlorobenzene	13.457	146	4254	0.788	ug/L #	86
65) 1,4-Dichlorobenzene	13.534	146	5397	0.955	ug/L	91
67) 1,2-Dichlorobenzene	13.834	146	4634	0.907	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	14.451	75	358m	0.791	ug/L	
69) 1,3,5-Trichlorobenzene	14.593	180	2833	0.852	ug/L	92
70) 1,2,4-trichlorobenzene	15.092	180	2514	0.874	ug/L	92
71) Naphthalene	15.334	128	5255	0.781	ug/L	95
72) 1,2,3-Trichlorobenzene	15.516	180	2418	0.901	ug/L	91

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

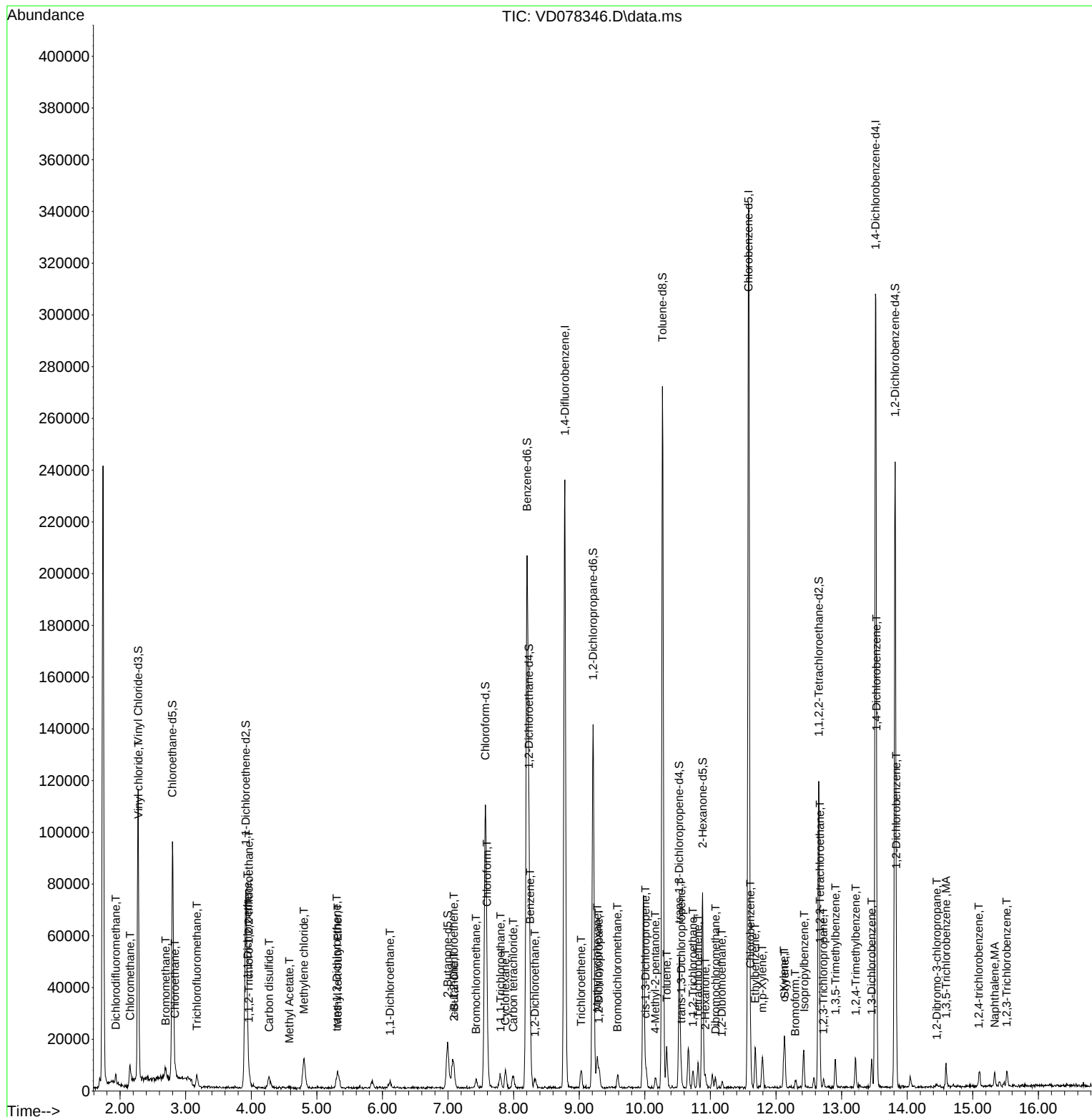
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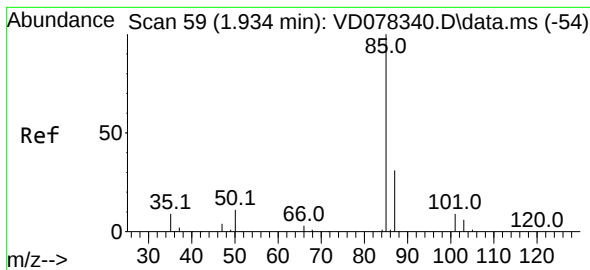
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ClientSampleId :
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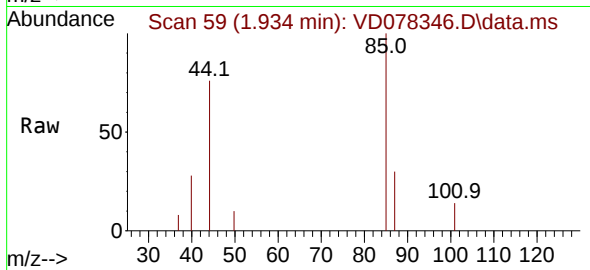
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024





#2
Dichlorodifluoromethane
Concen: 0.723 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

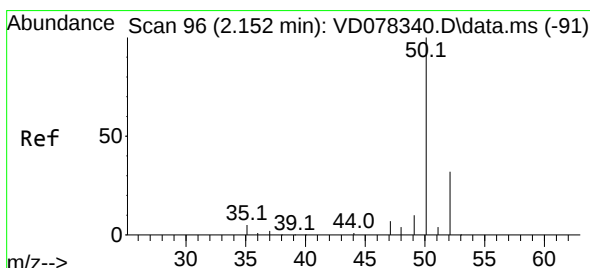
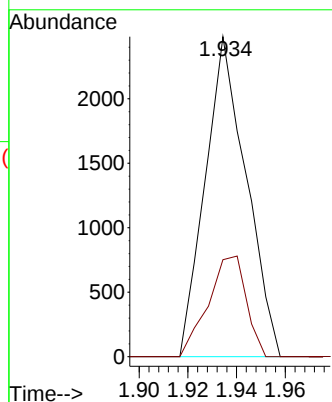
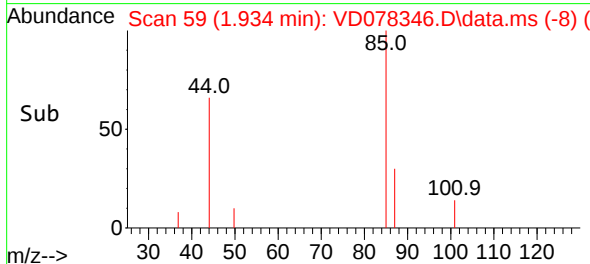
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



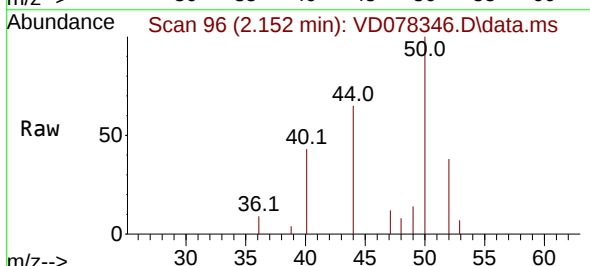
Tgt Ion: 85 Resp: 2898
Ion Ratio Lower Upper
85 100
87 29.3 25.3 37.9

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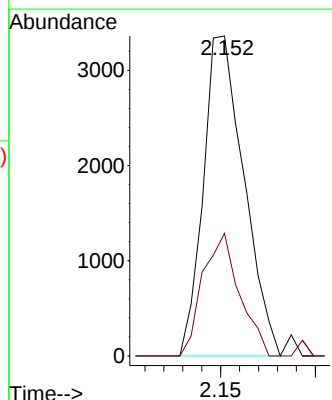
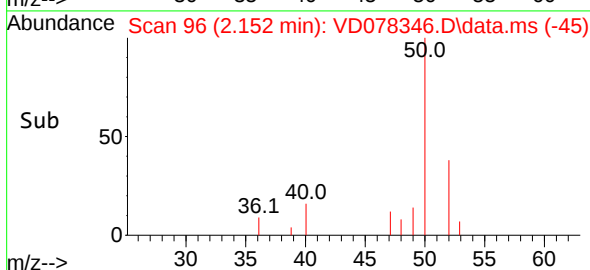
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

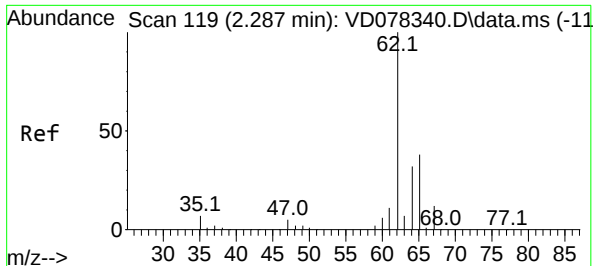


#3
Chloromethane
Concen: 0.859 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



Tgt Ion: 50 Resp: 5006
Ion Ratio Lower Upper
50 100
52 38.3 22.7 42.3





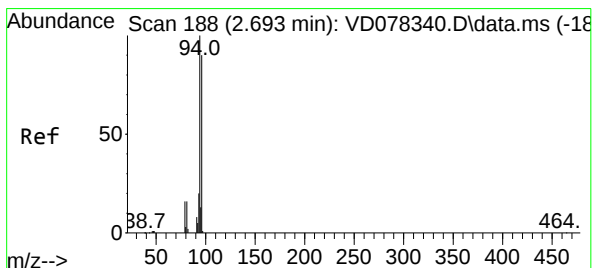
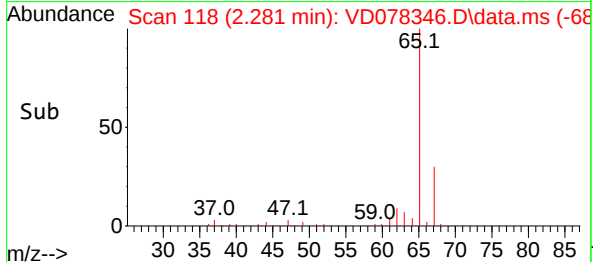
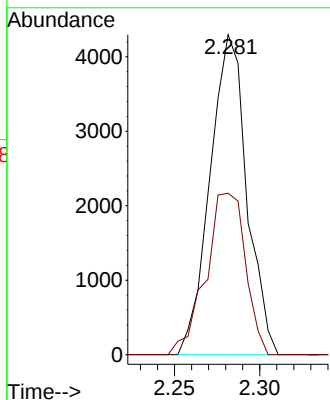
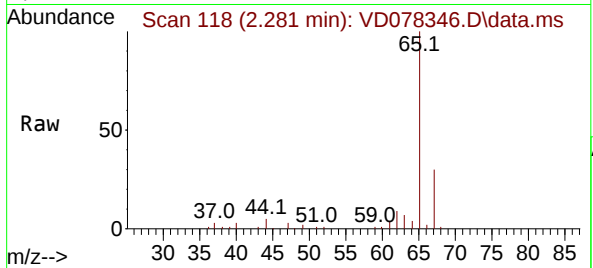
#5
 Vinyl chloride
 Concen: 0.898 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078346.D
 Acq: 05 Feb 2024 14:13

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 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Tgt Ion: 62 Resp: 646
 Ion Ratio Lower Upper
 62 100
 64 50.4 21.7 40.3

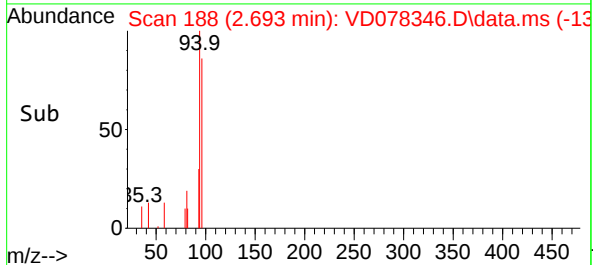
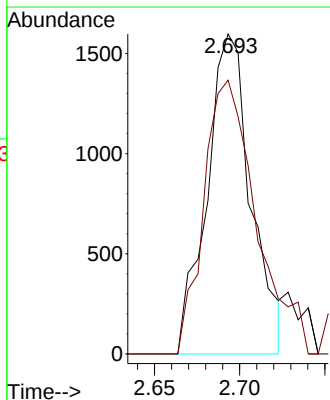
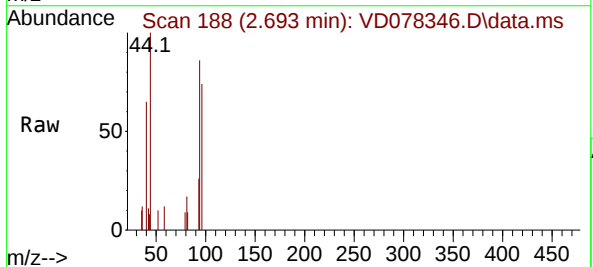
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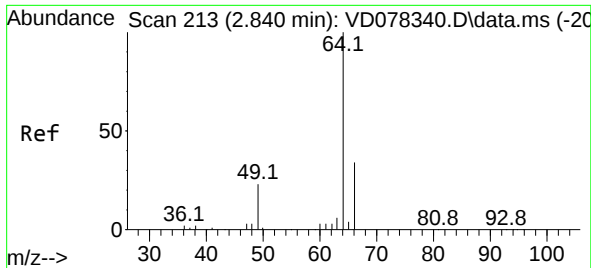
Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024



#6
 Bromomethane
 Concen: 0.881 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD078346.D
 Acq: 05 Feb 2024 14:13

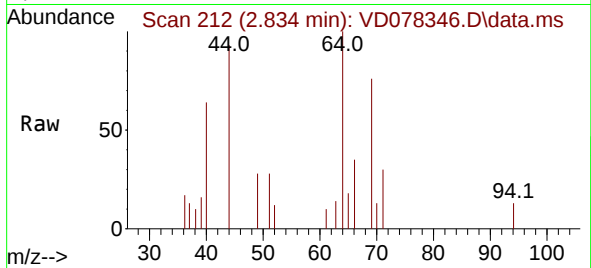
Tgt Ion: 94 Resp: 2878
 Ion Ratio Lower Upper
 94 100
 96 85.5 64.8 120.4





#8
Chloroethane
Concen: 0.844 ug/L m
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

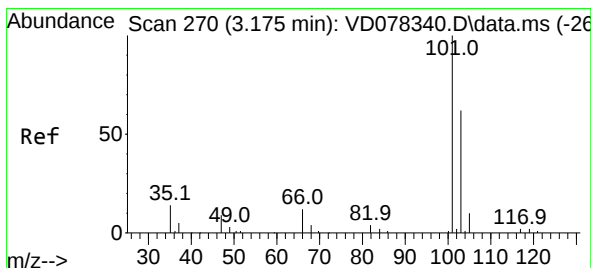
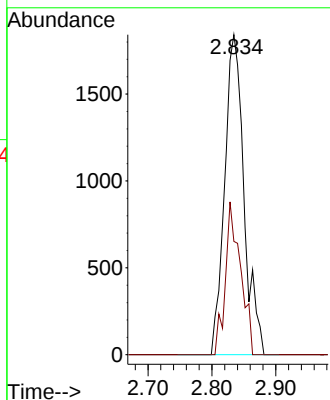
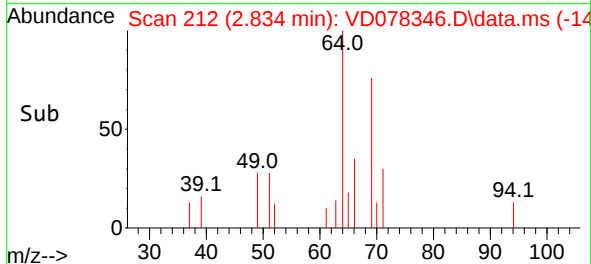
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 64 Resp: 3870
Ion Ratio Lower Upper
64 100
66 35.4 22.8 42.4

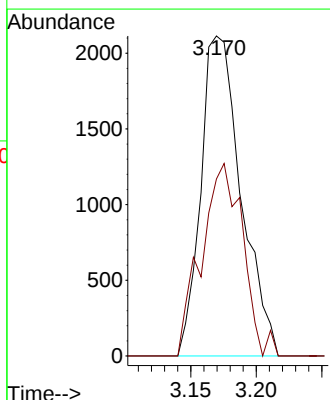
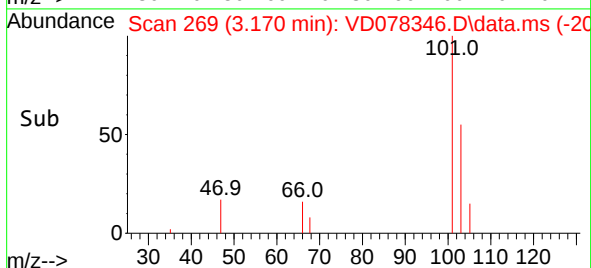
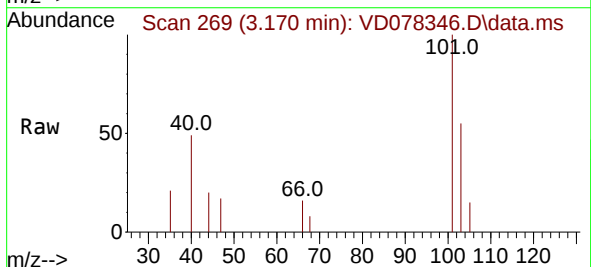
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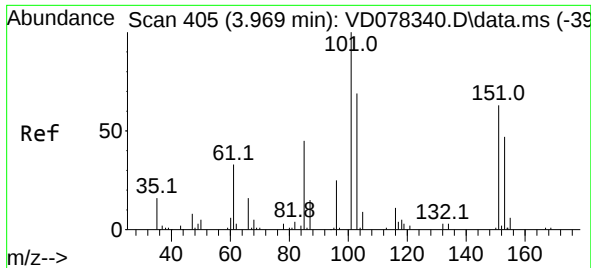
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#9
Trichlorofluoromethane
Concen: 0.883 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion:101 Resp: 4521
Ion Ratio Lower Upper
101 100
103 60.3 51.1 76.7





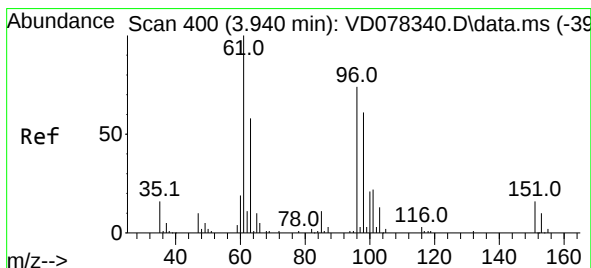
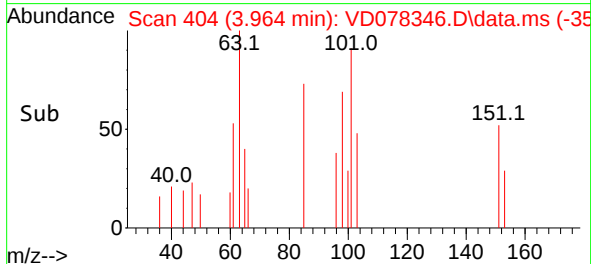
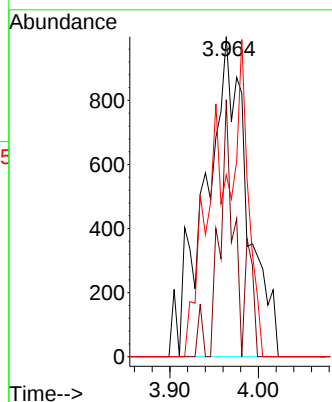
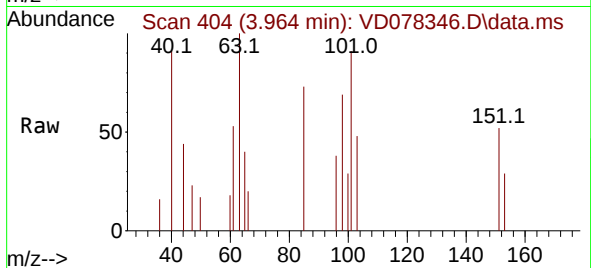
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.003 ug/L m
RT: 3.964 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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Tgt Ion:101 Resp: 319
Ion Ratio Lower Upper
101 100
85 25.3 34.6 51.8
151 19.3 54.6 81.8

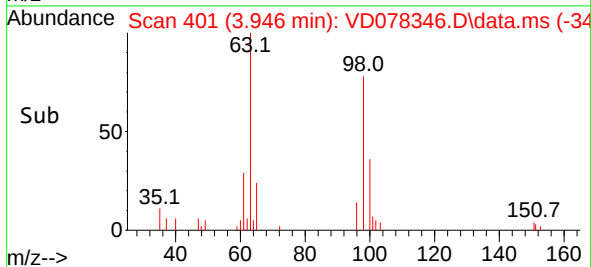
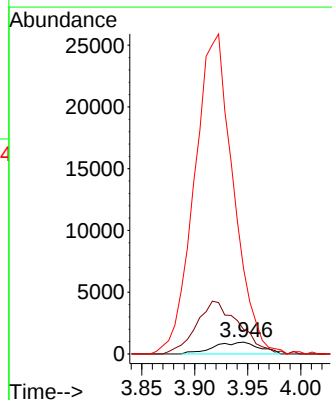
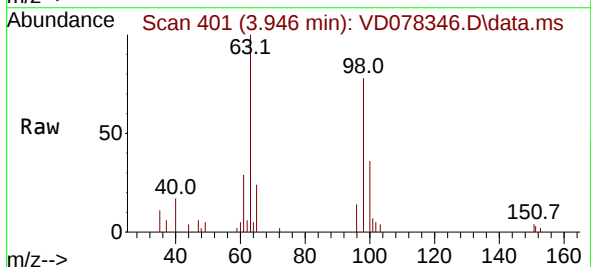
Manual Integrations
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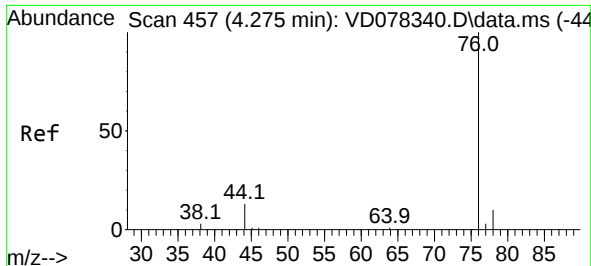
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#12
1,1-Dichloroethene
Concen: 0.969 ug/L m
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

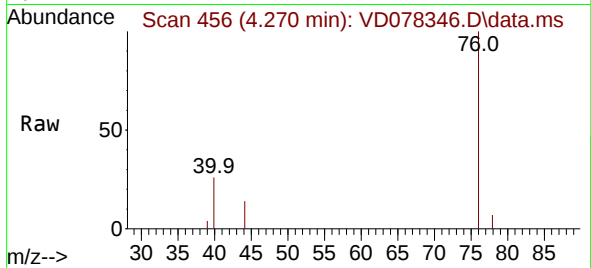
Tgt Ion: 96 Resp: 2859
Ion Ratio Lower Upper
96 100
61 205.4 108.8 202.2#
63 717.7 65.2 121.0#





#14
Carbon disulfide
Concen: 0.781 ug/L
RT: 4.270 min Scan# 41
Delta R.T. -0.006 min
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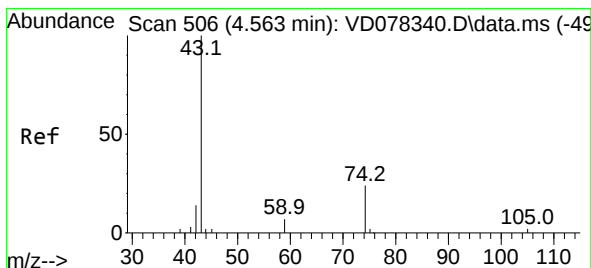
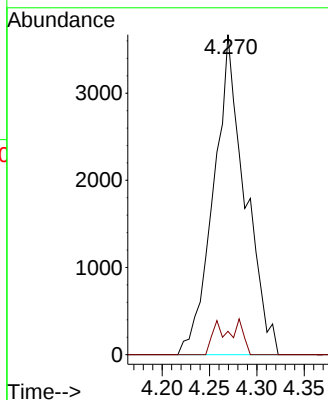
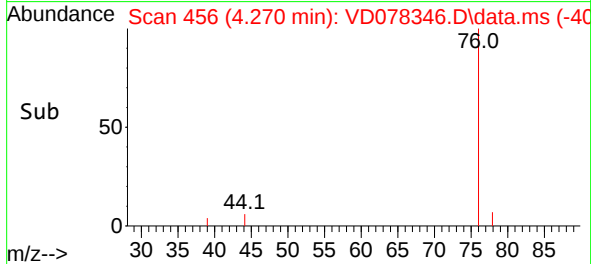
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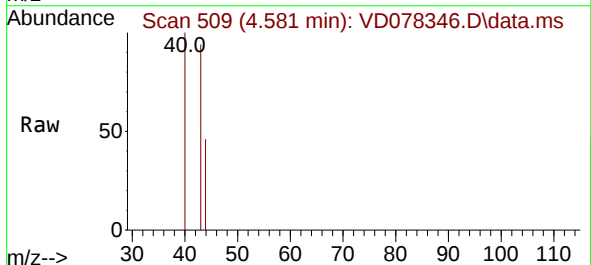
Tgt Ion: 76 Resp: 848
Ion Ratio Lower Upper
76 100
78 7.3 7.8 11.8

Manual Integrations
APPROVED

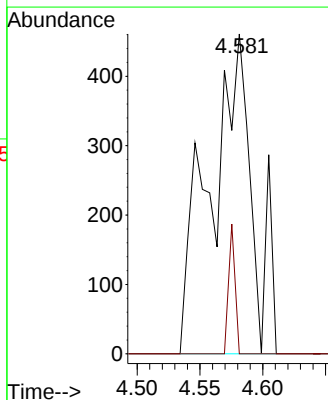
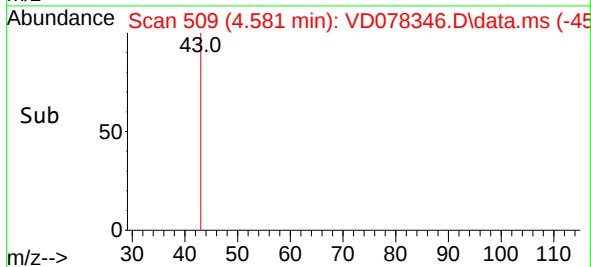
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

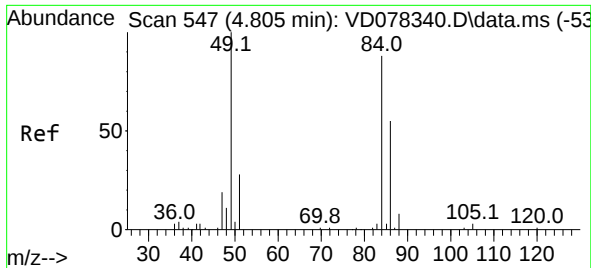


#15
Methyl Acetate
Concen: 0.649 ug/L m
RT: 4.581 min Scan# 509
Delta R.T. 0.018 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



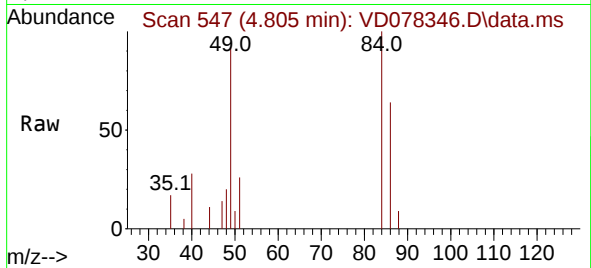
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1





#16
Methylene chloride
Concen: 2.304 ug/L m
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

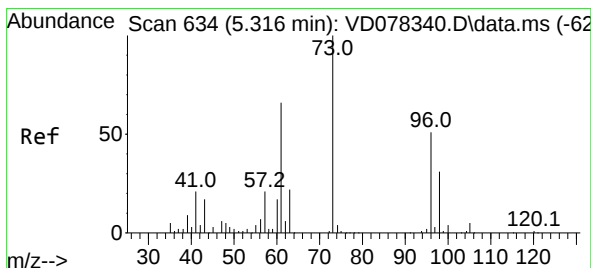
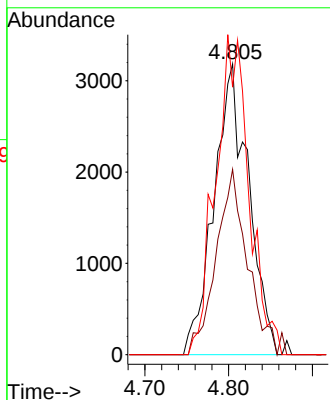
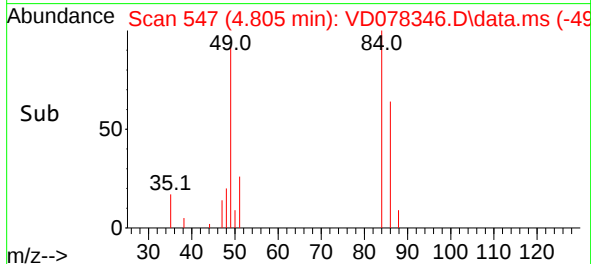
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 84 Resp: 918
Ion Ratio Lower Upper
84 100
86 63.8 45.4 84.2
49 92.0 77.3 143.7

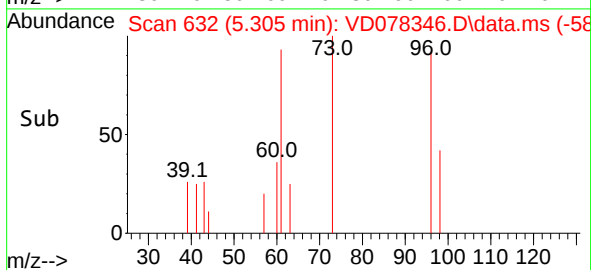
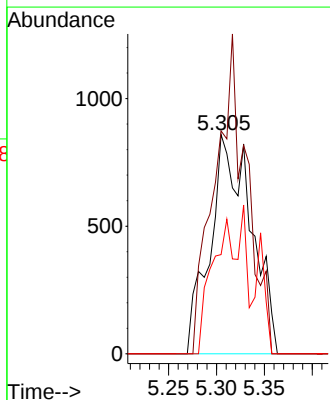
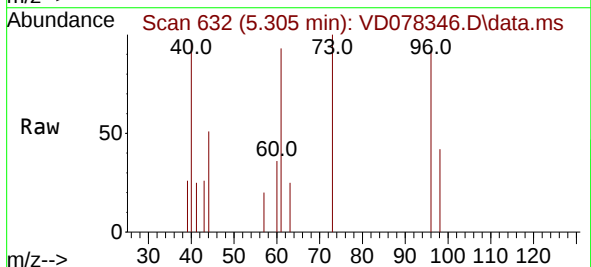
Manual Integrations
APPROVED

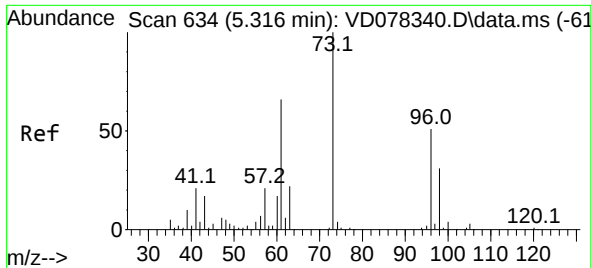
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#17
trans-1,2-Dichloroethene
Concen: 0.790 ug/L m
RT: 5.305 min Scan# 632
Delta R.T. -0.012 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

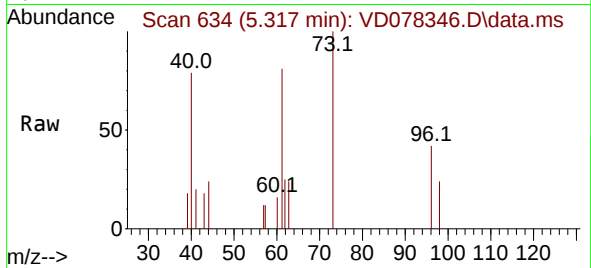
Tgt Ion: 96 Resp: 2567
Ion Ratio Lower Upper
96 100
61 101.6 82.7 153.7
98 45.3 40.7 75.7





#18
Methyl tert-butyl Ether
Concen: 0.629 ug/L m
RT: 5.317 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

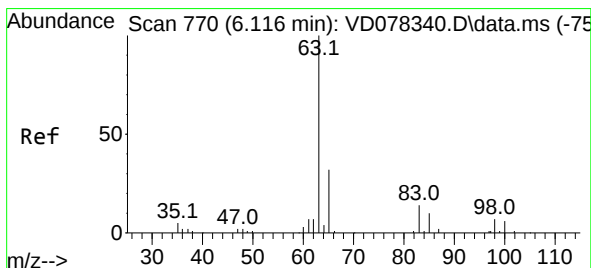
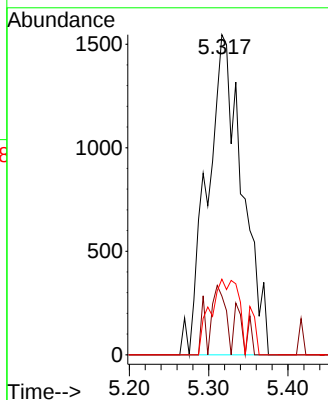
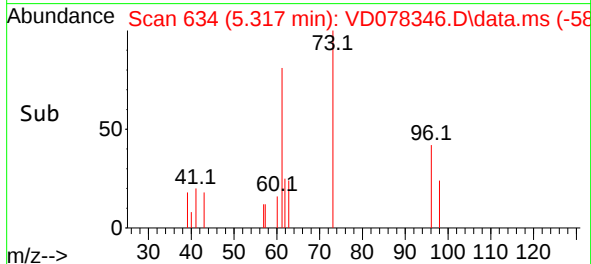
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



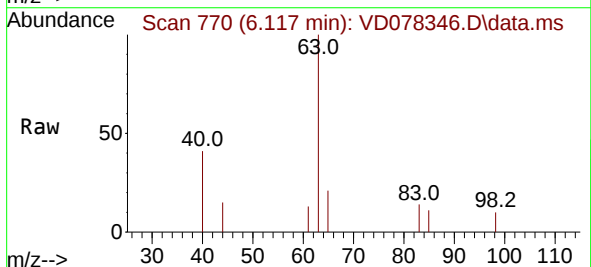
Tgt Ion: 73 Resp: 475
Ion Ratio Lower Upper
73 100
43 8.0 13.3 19.9
57 7.3 17.2 25.8

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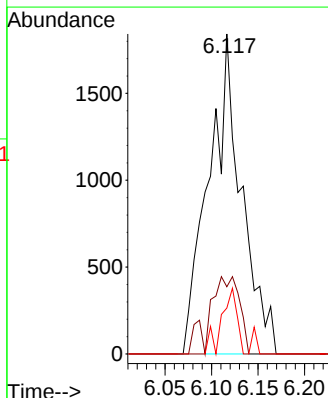
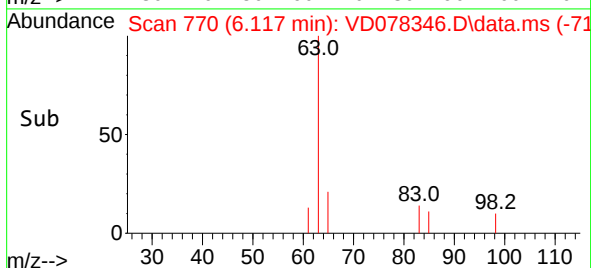
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

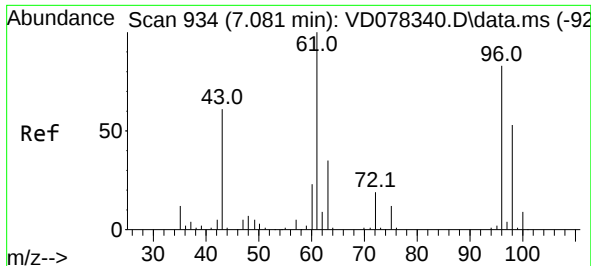


#19
1,1-Dichloroethane
Concen: 0.792 ug/L m
RT: 6.117 min Scan# 770
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



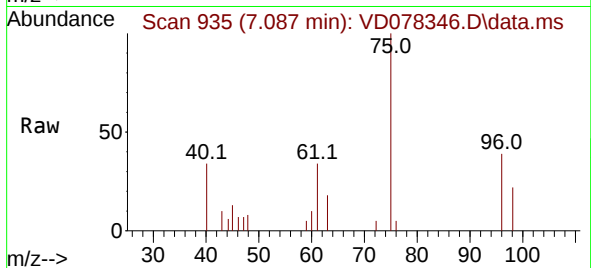
Tgt Ion: 63 Resp: 4506
Ion Ratio Lower Upper
63 100
65 21.0 21.8 40.4
83 14.4 10.1 18.9





#20
cis-1,2-Dichloroethene
Concen: 0.889 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

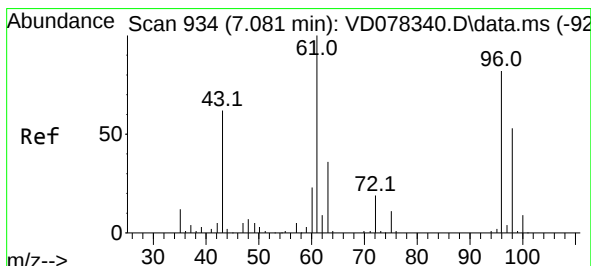
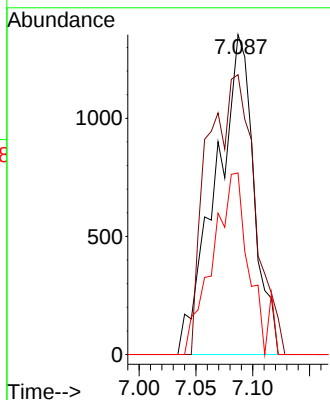
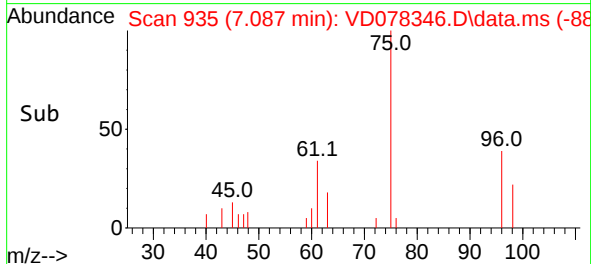
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 96 Resp: 316
Ion Ratio Lower Upper
96 100
61 87.5 75.6 140.4
98 56.8 43.1 80.1

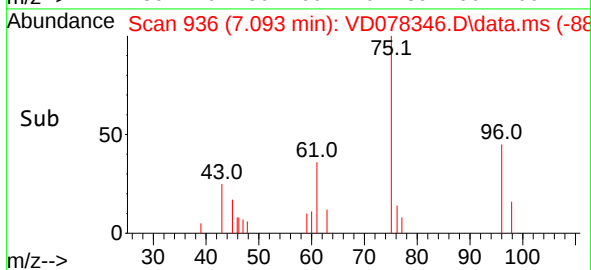
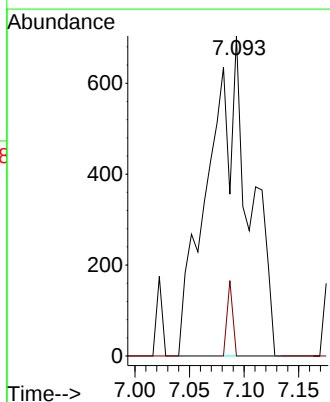
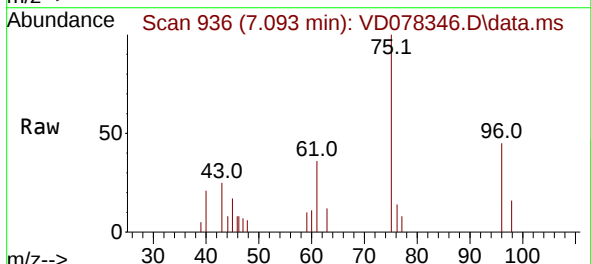
Manual Integrations
APPROVED

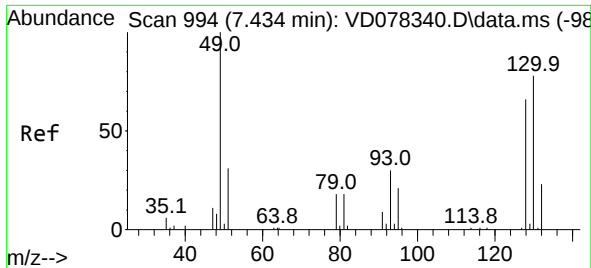
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#22
2-Butanone
Concen: 1.359 ug/L m
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

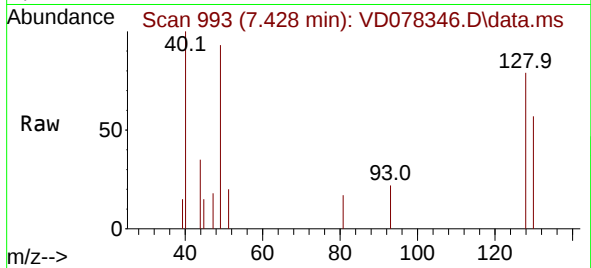
Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
72 0.0 15.4 46.2#





#23
Bromochloromethane
Concen: 0.940 ug/L m
RT: 7.428 min Scan# 994
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

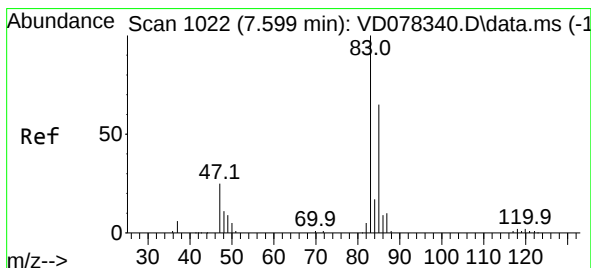
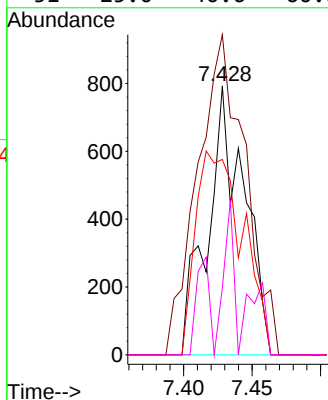
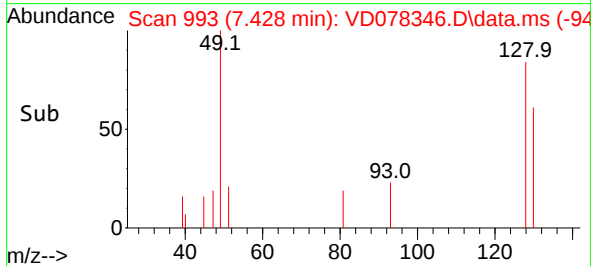
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:128 Resp: 1478
Ion Ratio Lower Upper
128 100
49 119.0 102.7 190.7
130 72.6 82.6 153.4
51 25.0 40.6 60.8#

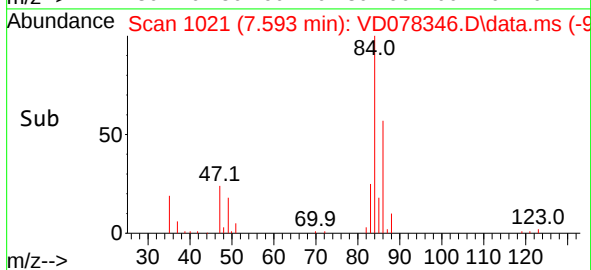
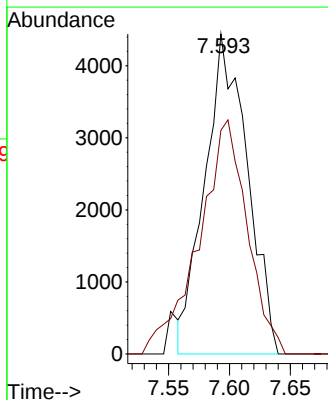
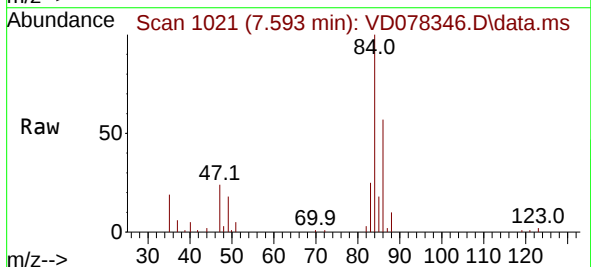
Manual Integrations
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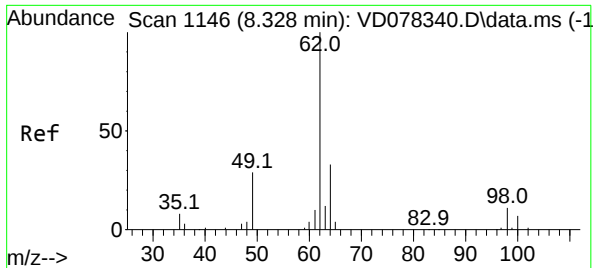
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#25
Chloroform
Concen: 1.734 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 83 Resp: 10759
Ion Ratio Lower Upper
83 100
85 69.9 44.9 83.3





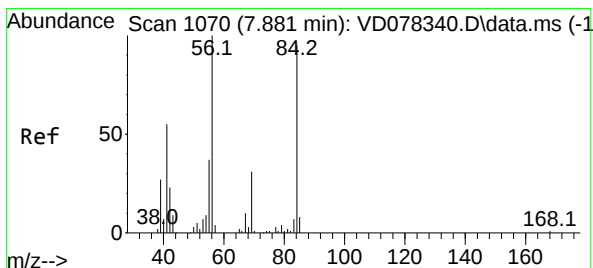
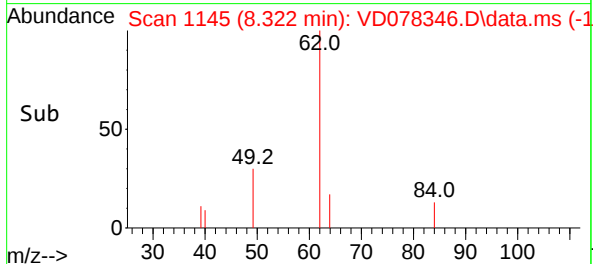
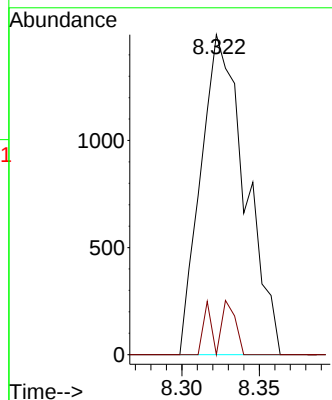
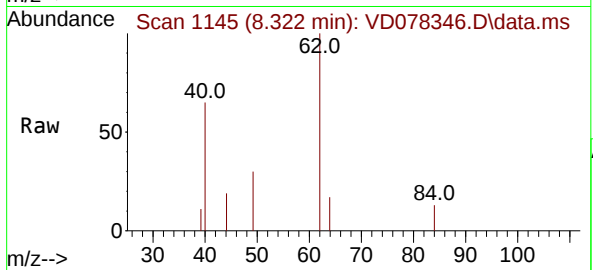
#27
1,2-Dichloroethane
Concen: 0.748 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 62 Resp: 2982
Ion Ratio Lower Upper
62 100
98 0.0 9.5 14.3

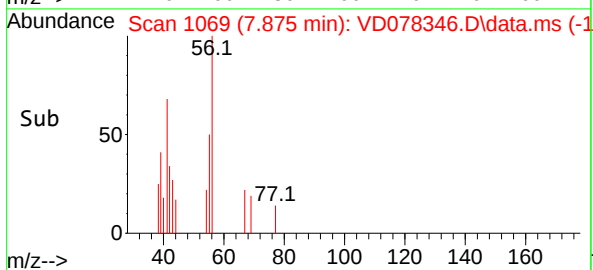
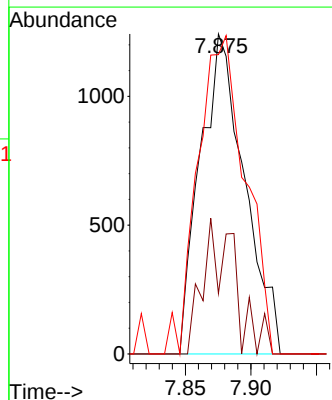
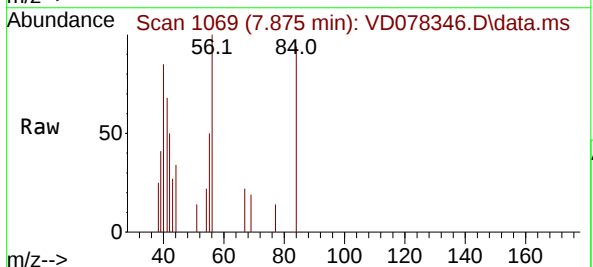
Manual Integrations
APPROVED

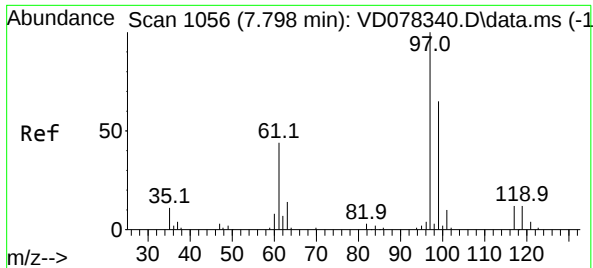
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#29
Cyclohexane
Concen: 0.654 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 56 Resp: 2912
Ion Ratio Lower Upper
56 100
69 11.3 23.3 34.9#
84 104.6 74.7 112.1





#30

1,1,1-Trichloroethane

Concen: 0.827 ug/L m

RT: 7.799 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

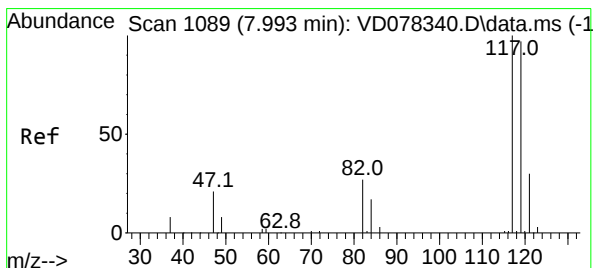
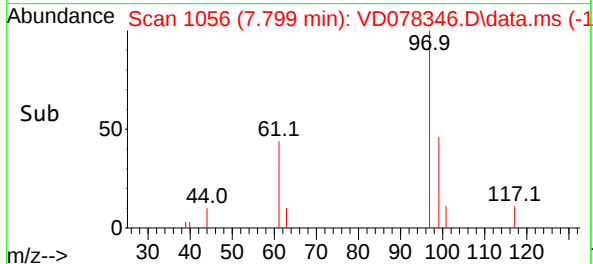
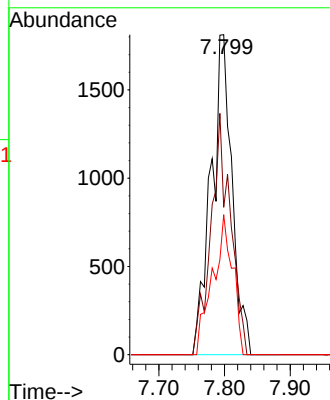
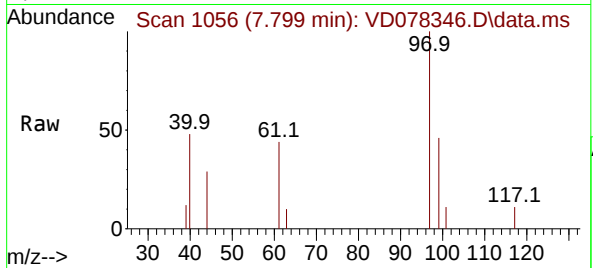
Tgt Ion: 97	Resp: 3994
Ion Ratio	Lower Upper
97	100
99	71.0 50.7 76.1
61	27.2 34.4 51.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#31

Carbon tetrachloride

Concen: 0.822 ug/L m

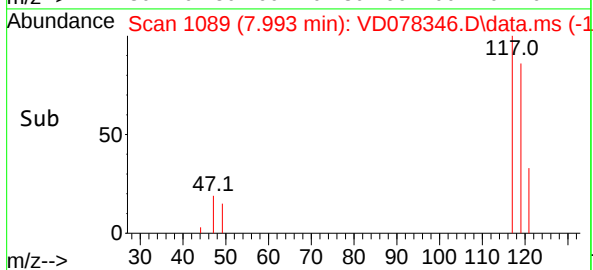
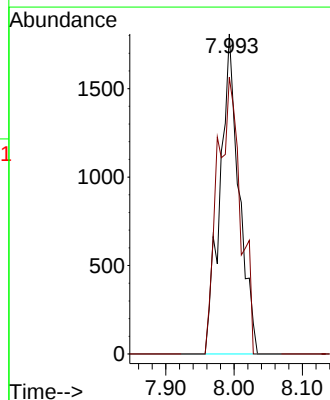
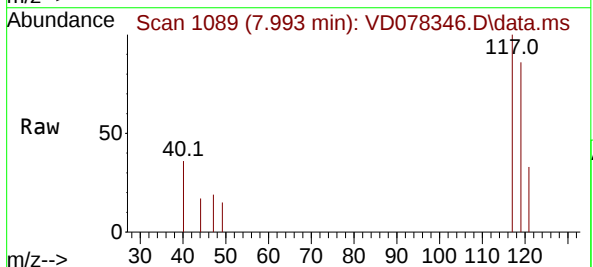
RT: 7.993 min Scan# 1089

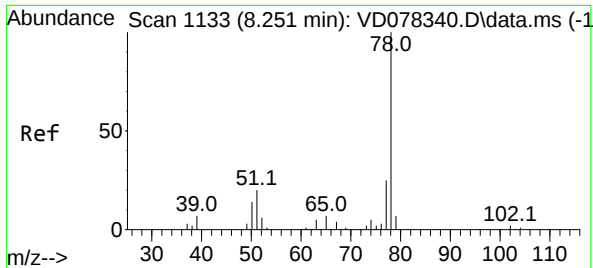
Delta R.T. 0.000 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Tgt Ion: 117	Resp: 3498
Ion Ratio	Lower Upper
117	100
119	9.1 77.0 115.4





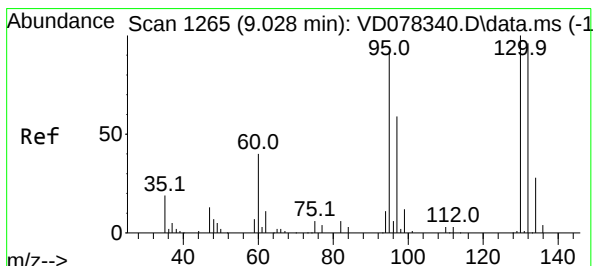
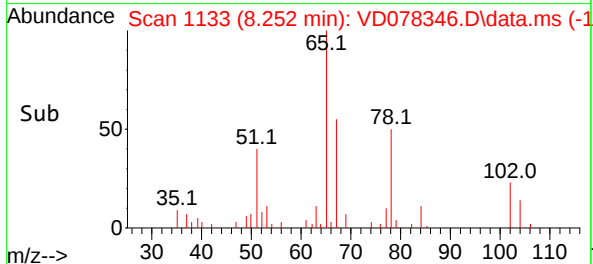
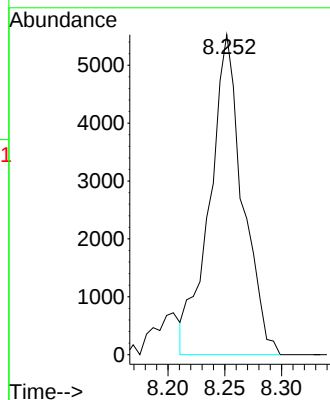
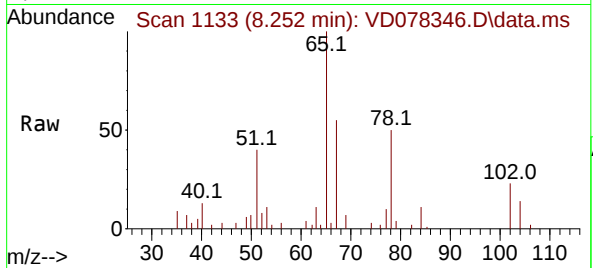
#33
Benzene
Concen: 0.842 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 78 Resp: 11180

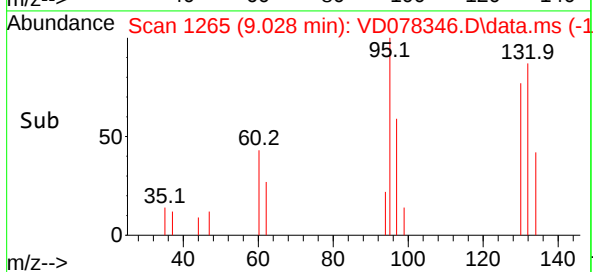
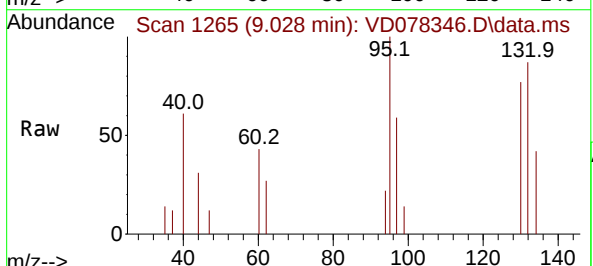
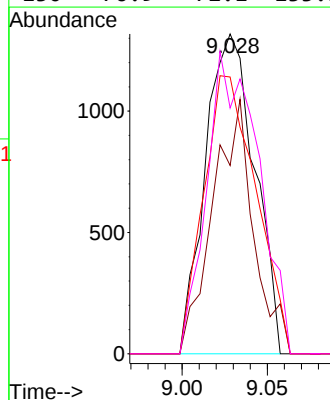
Manual Integrations
APPROVED

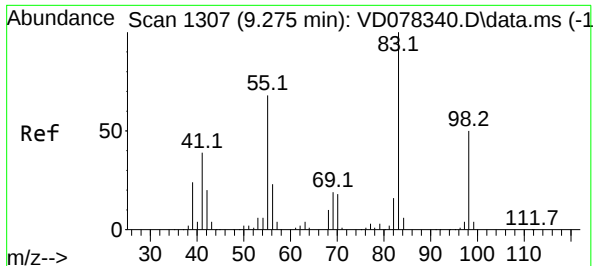
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#34
Trichloroethene
Concen: 0.790 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 95 Resp: 2651
Ion Ratio Lower Upper
95 100
97 58.9 46.9 87.1
132 86.6 73.7 136.9
130 76.9 72.1 133.9





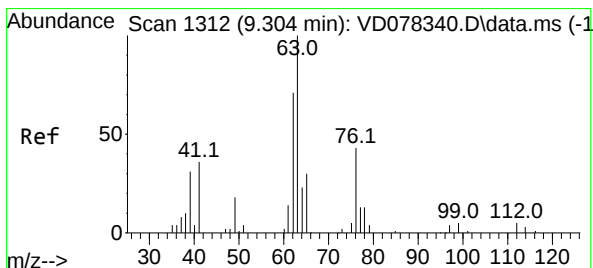
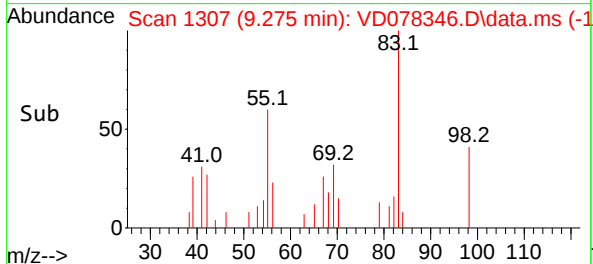
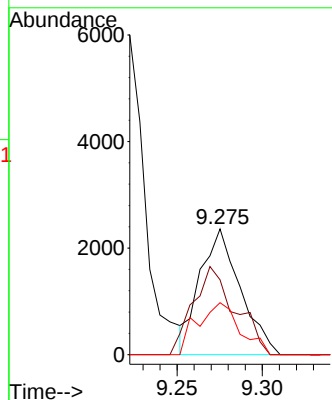
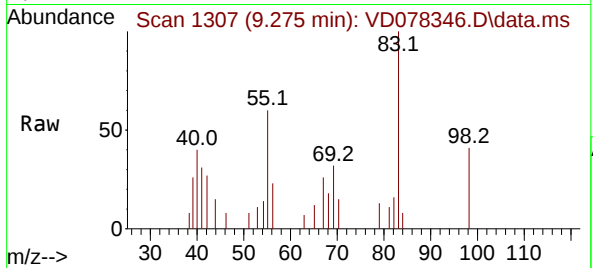
#35
Methylcyclohexane
Concen: 0.741 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 83 Resp: 388
Ion Ratio Lower Upper
83 100
55 64.1 56.2 84.4
98 21.5 41.2 61.8

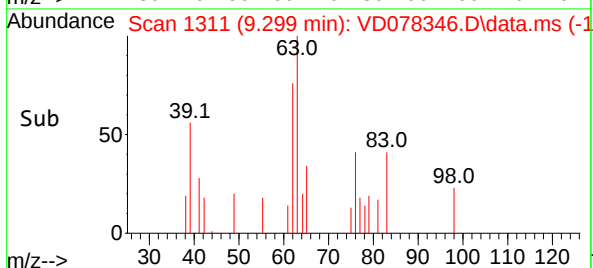
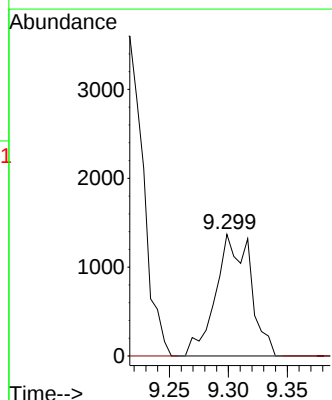
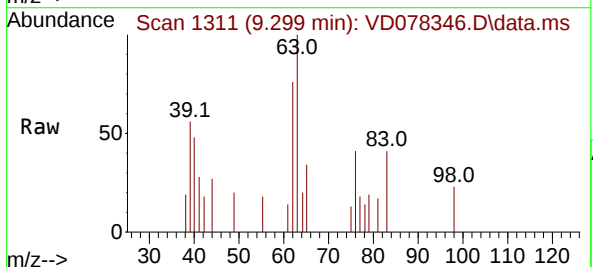
Manual Integrations
APPROVED

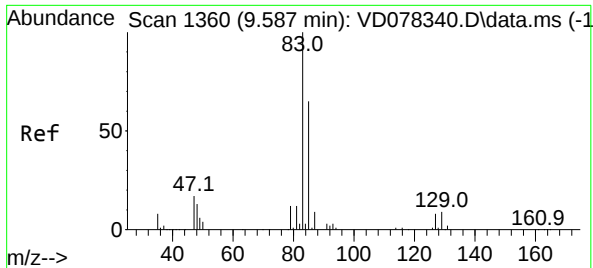
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#37
1,2-Dichloropropane
Concen: 0.801 ug/L m
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 63 Resp: 2804
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





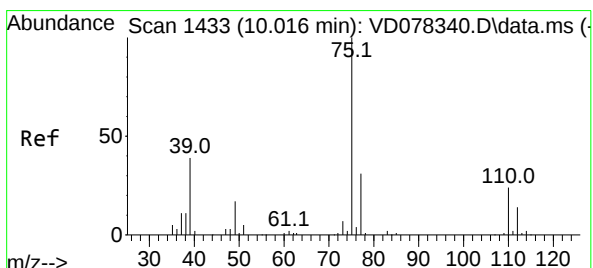
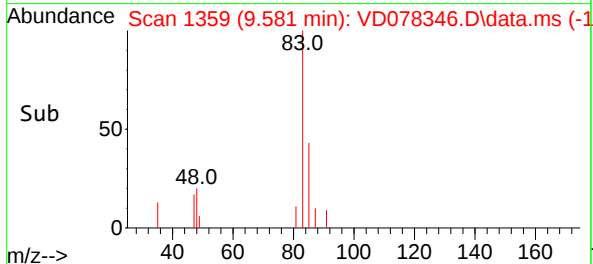
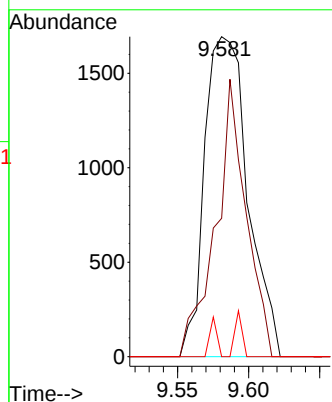
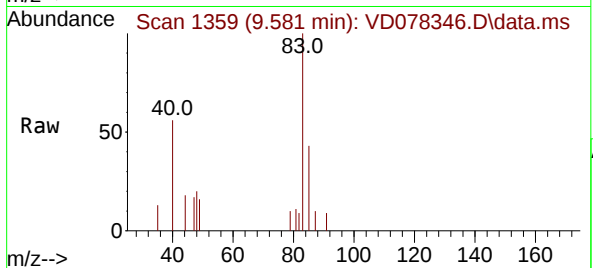
#38
Bromodichloromethane
Concen: 0.788 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 83 Resp: 3599
Ion Ratio Lower Upper
83 100
85 43.3 46.6 86.6
127 0.0 8.1 12.1

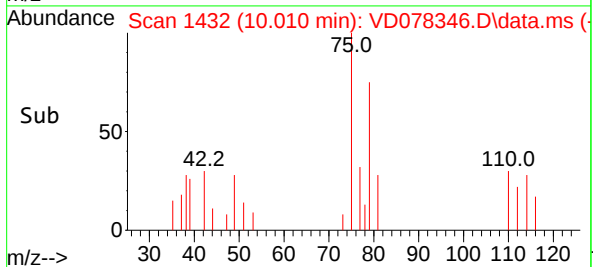
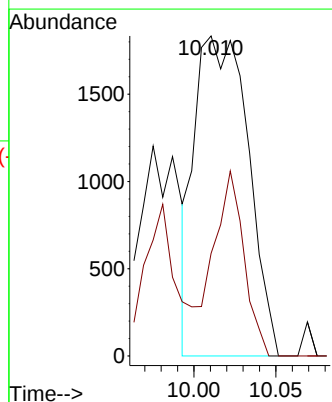
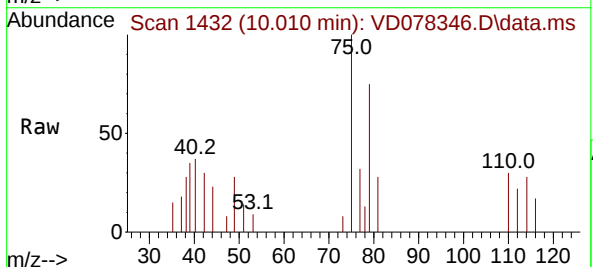
Manual Integrations
APPROVED

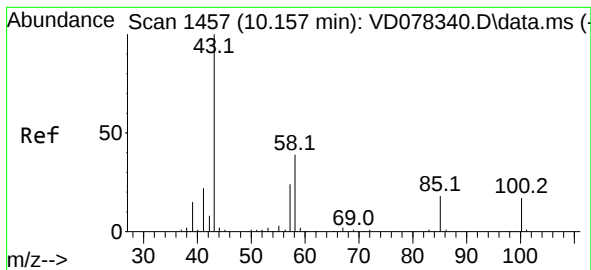
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#39
cis-1,3-Dichloropropene
Concen: 0.761 ug/L m
RT: 10.010 min Scan# 1432
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 75 Resp: 4146
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.5





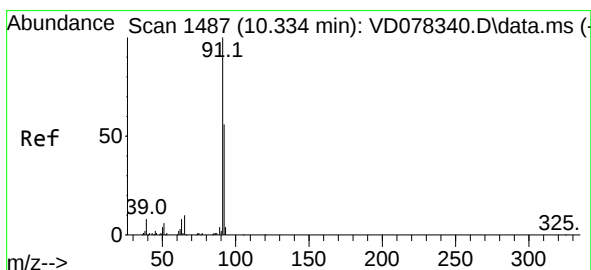
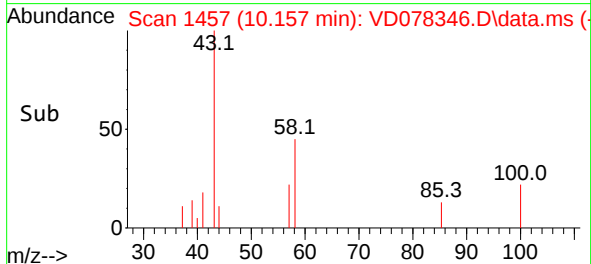
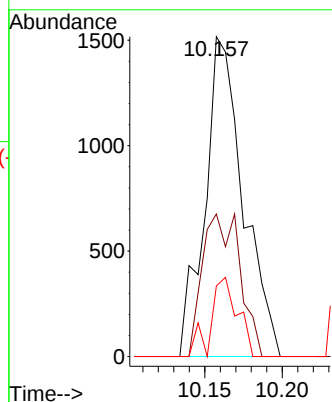
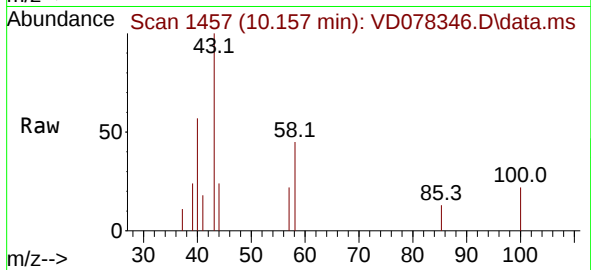
#40
4-Methyl-2-pentanone
Concen: 1.203 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
58 28.4 34.0 51.0
100 15.0 13.2 19.8

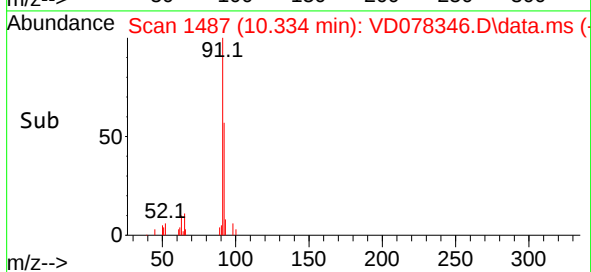
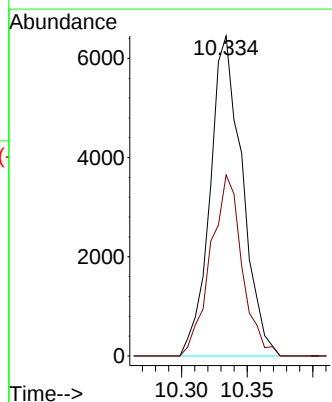
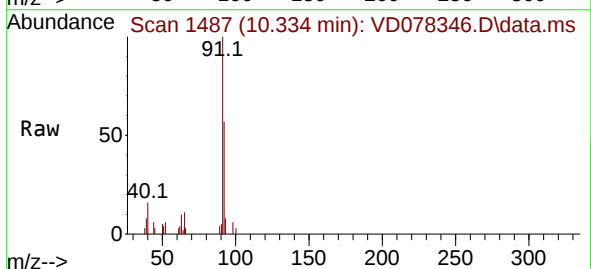
Manual Integrations
APPROVED

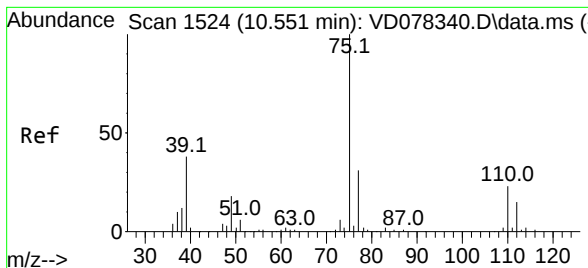
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#42
Toluene
Concen: 0.795 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 91 Resp: 10985
Ion Ratio Lower Upper
91 100
92 56.5 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 0.859 ug/L m

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Instrument :

MSVOA_D

ClientSampleId :

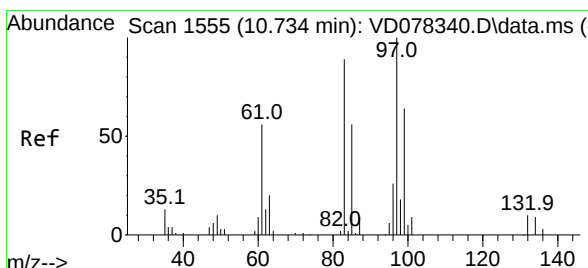
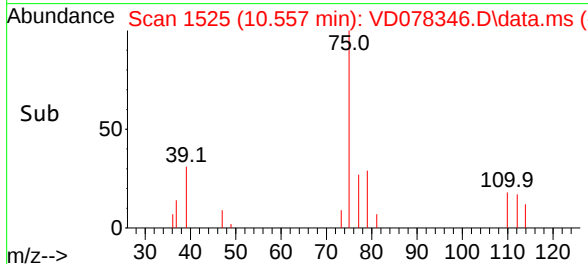
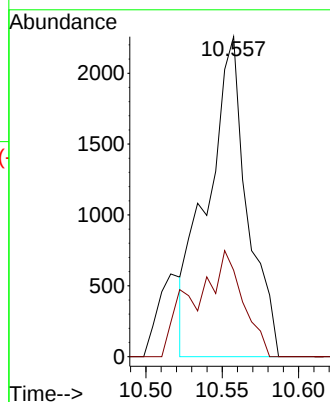
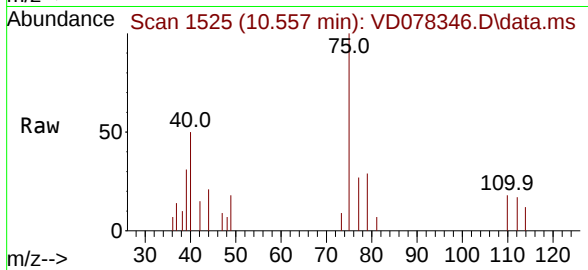
MDL-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 409
 Ion Ratio Lower Upper
 75 100
 77 27.0 20.7 38.5

Manual Integrations

APPROVED

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



#45

1,1,2-Trichloroethane

Concen: 0.822 ug/L

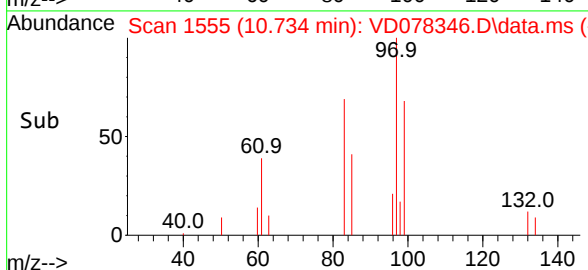
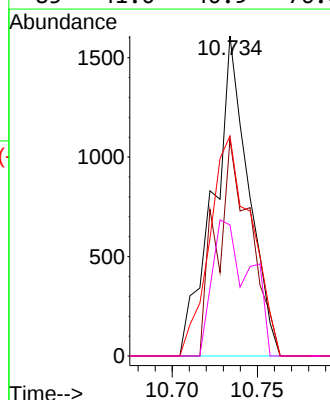
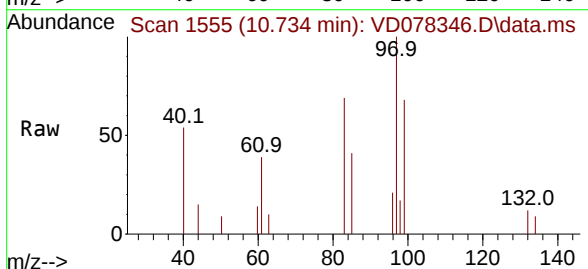
RT: 10.734 min Scan# 1555

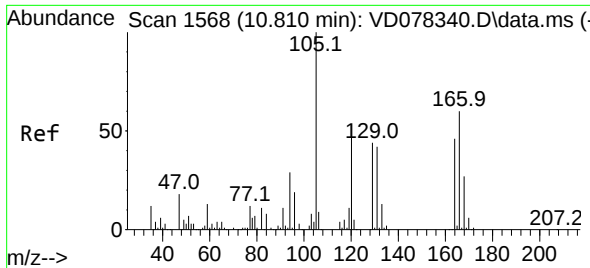
Delta R.T. 0.000 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

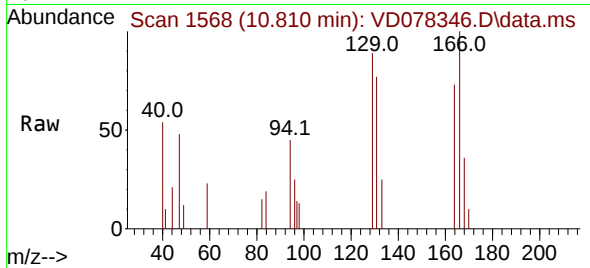
Tgt Ion: 97 Resp: 2293
 Ion Ratio Lower Upper
 97 100
 99 67.7 45.4 84.4
 83 68.7 59.5 110.5
 85 41.0 40.9 76.0





#46
Tetrachloroethene
Concen: 0.762 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

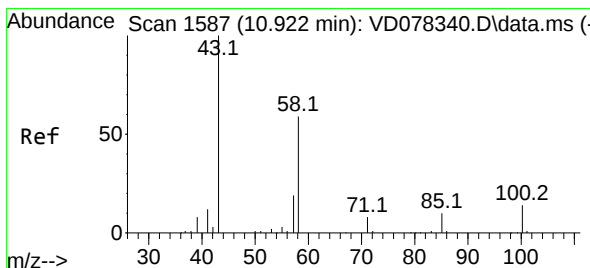
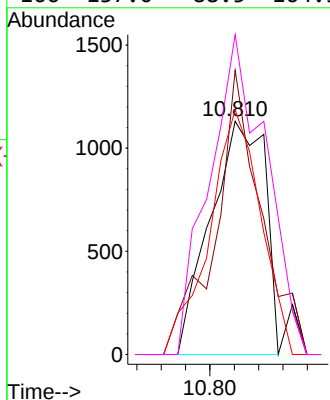
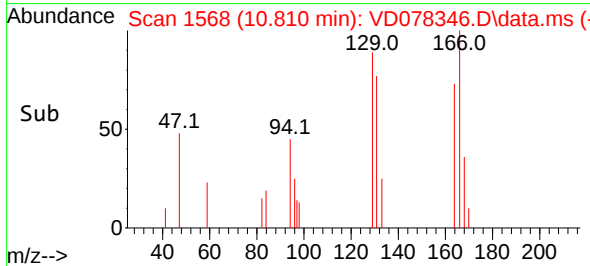
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



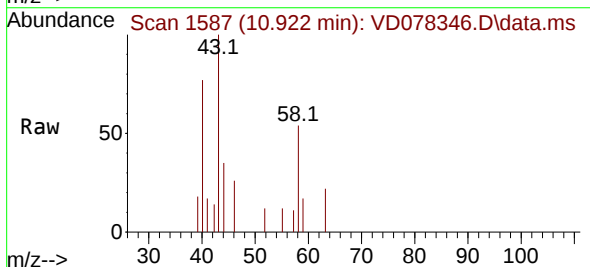
Tgt Ion:164 Resp: 1754
Ion Ratio Lower Upper
164 100
129 121.8 66.7 123.9
131 104.9 65.2 121.0
166 137.0 88.5 164.3

Manual Integrations
APPROVED

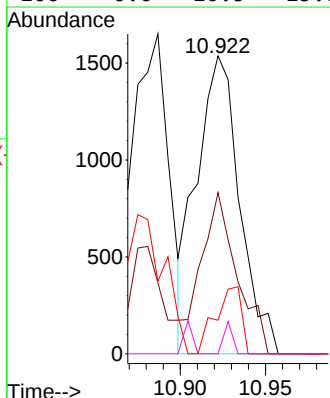
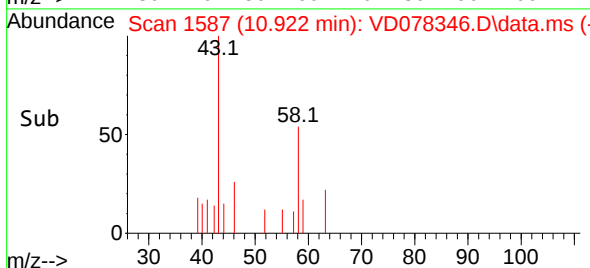
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

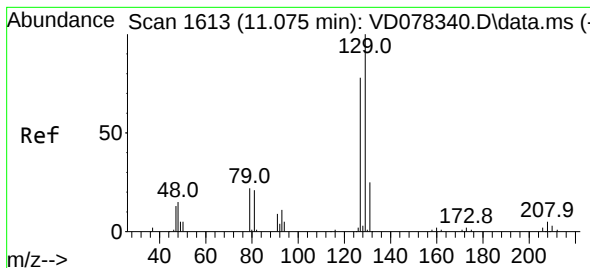


#48
2-Hexanone
Concen: 1.526 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



Tgt Ion: 43 Resp: 2705
Ion Ratio Lower Upper
43 100
58 45.4 48.5 72.7#
57 13.6 15.6 23.4#
100 0.0 10.5 15.7#





#49

Dibromochloromethane

Concen: 0.695 ug/L

RT: 11.081 min Scan# 1614

Delta R.T. 0.006 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Instrument :

MSVOA_D

ClientSampleId :

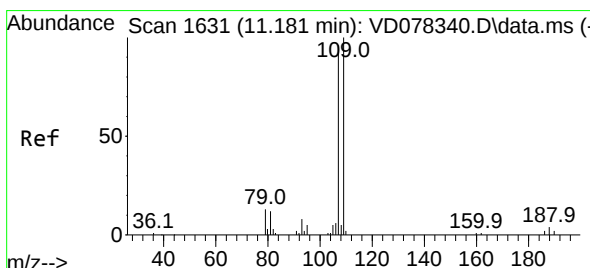
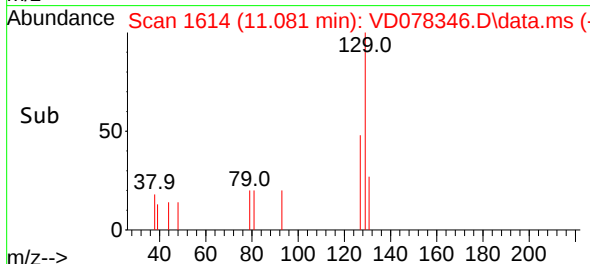
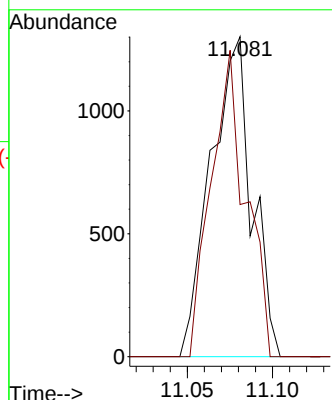
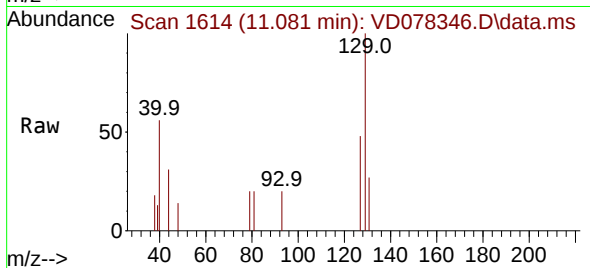
MDL-SOIL-QT4-2023-08

Tgt Ion:129 Resp: 2178
 Ion Ratio Lower Upper
 129 100
 127 47.5 52.7 97.9

Manual Integrations

APPROVED

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



#50

1,2-Dibromoethane

Concen: 0.675 ug/L

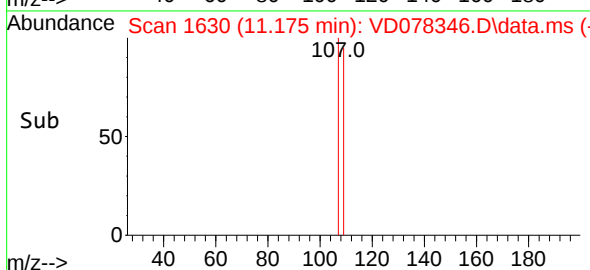
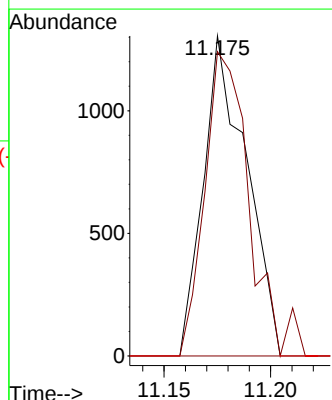
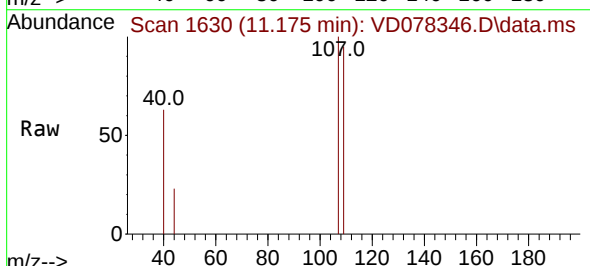
RT: 11.175 min Scan# 1630

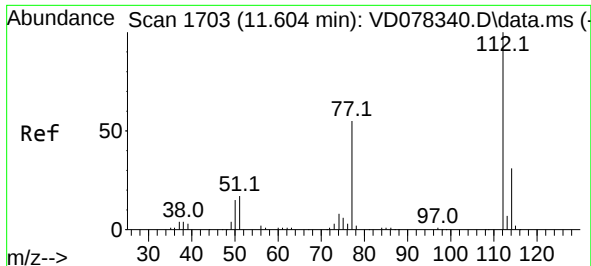
Delta R.T. -0.006 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

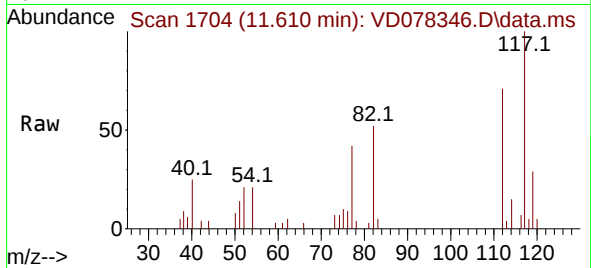
Tgt Ion:107 Resp: 1836
 Ion Ratio Lower Upper
 107 100
 109 95.1 64.0 118.8
 188 0.0 3.1 4.7





#51
Chlorobenzene
Concen: 0.828 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

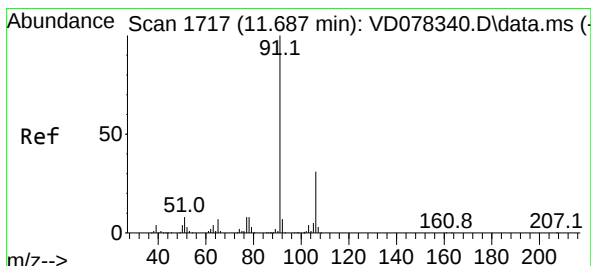
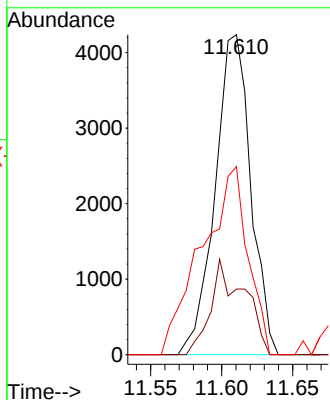
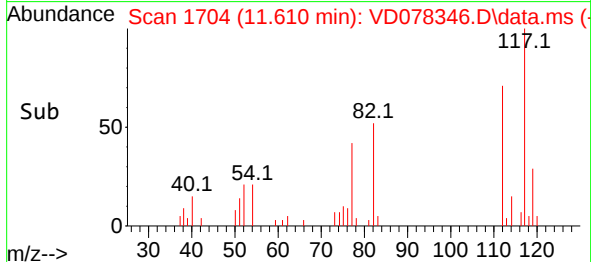
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 112 Resp: 7405
Ion Ratio Lower Upper
112 100
114 20.5 22.3 41.3
77 58.8 42.3 63.5

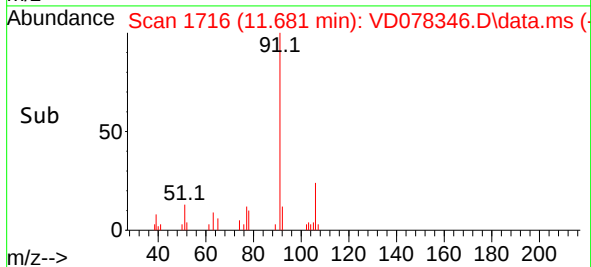
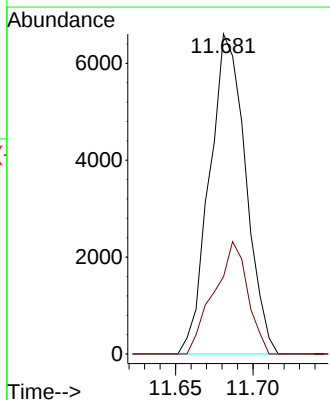
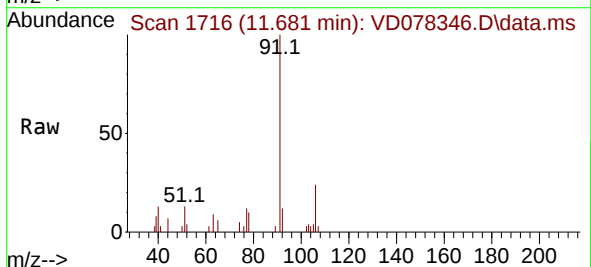
Manual Integrations
APPROVED

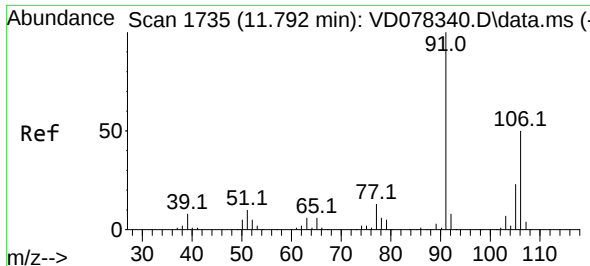
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#52
Ethylbenzene
Concen: 0.721 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion: 91 Resp: 10705
Ion Ratio Lower Upper
91 100
106 24.1 22.5 41.7





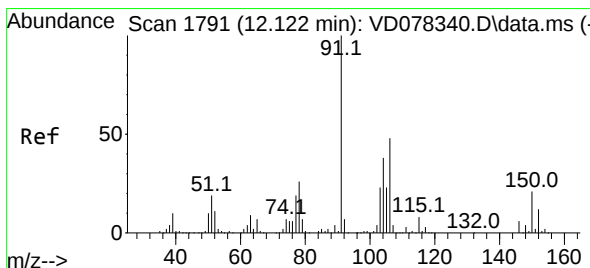
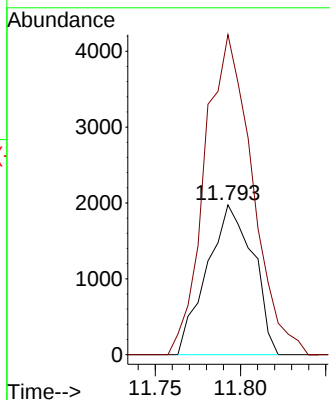
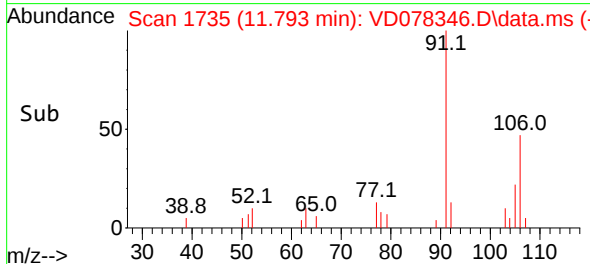
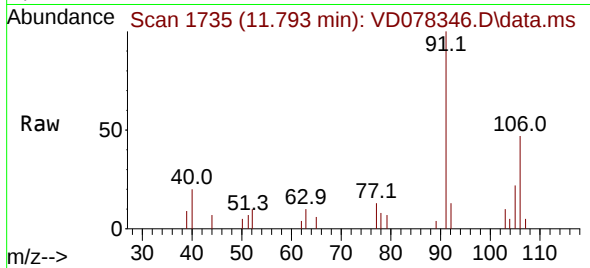
#53
m,p-Xylene
Concen: 0.653 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion:106 Resp: 3728
Ion Ratio Lower Upper
106 100
91 213.6 138.3 256.8

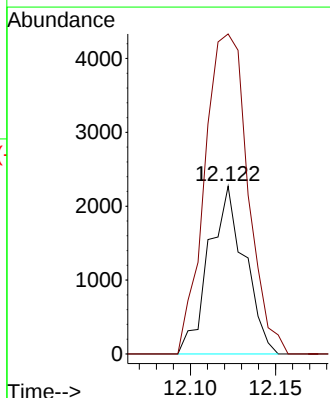
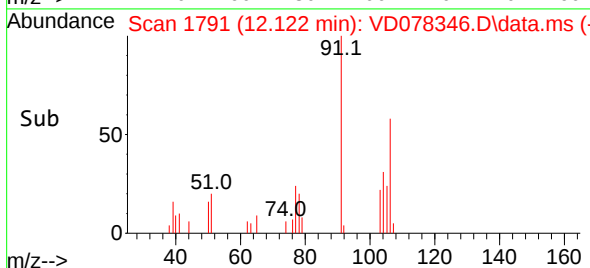
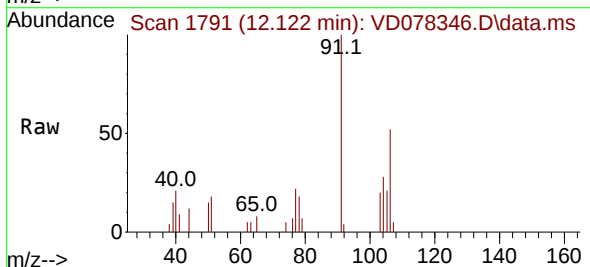
Manual Integrations
APPROVED

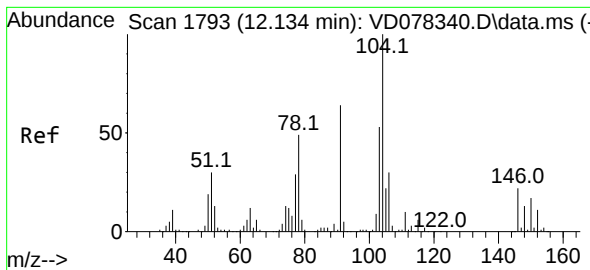
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#54
o-Xylene
Concen: 0.603 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion:106 Resp: 3315
Ion Ratio Lower Upper
106 100
91 190.8 148.0 274.8





#55

Styrene

Concen: 0.592 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion:104 Resp: 5878

Ion Ratio Lower Upper

104 100

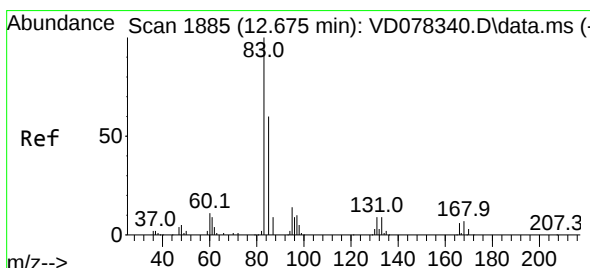
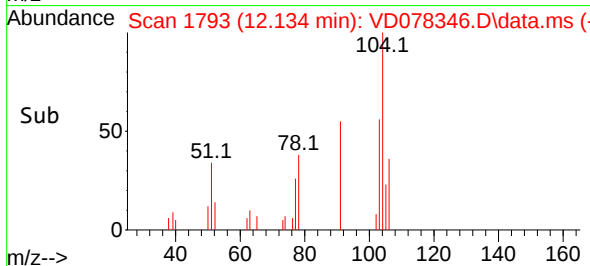
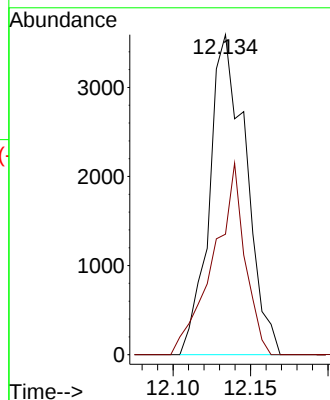
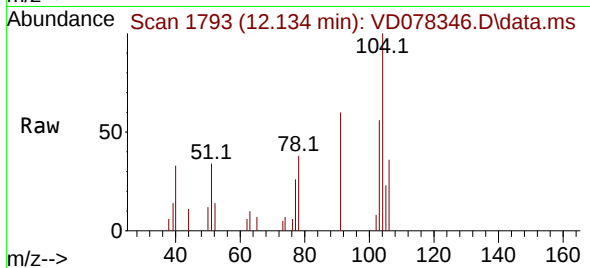
78 37.7 29.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 0.865 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

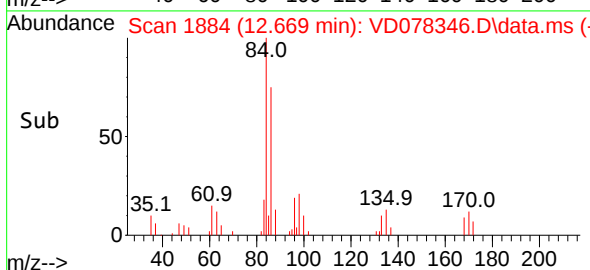
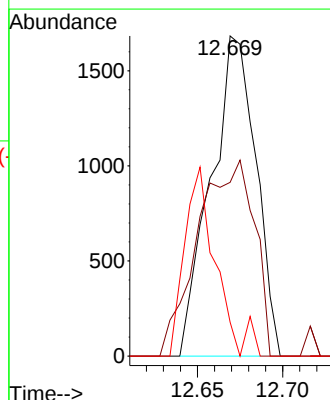
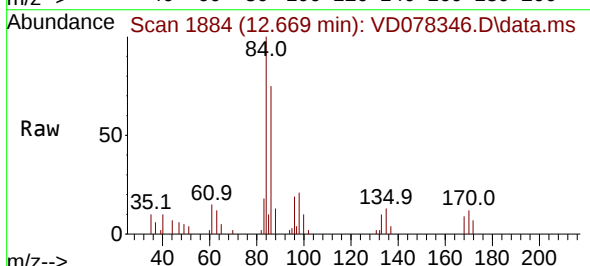
Tgt Ion: 83 Resp: 3091

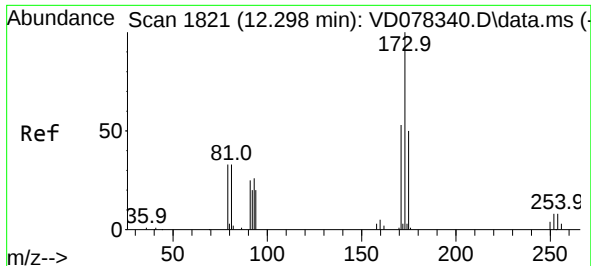
Ion Ratio Lower Upper

83 100

85 54.2 42.6 79.0

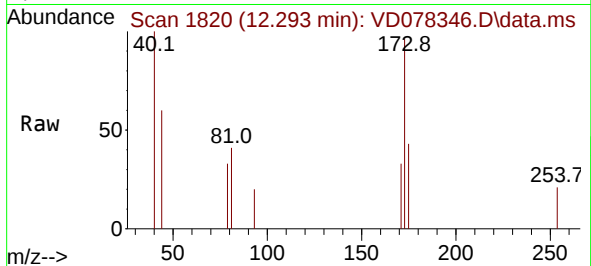
131 10.6 6.0 9.0#





#59
Bromoform
Concen: 0.773 ug/L m
RT: 12.293 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

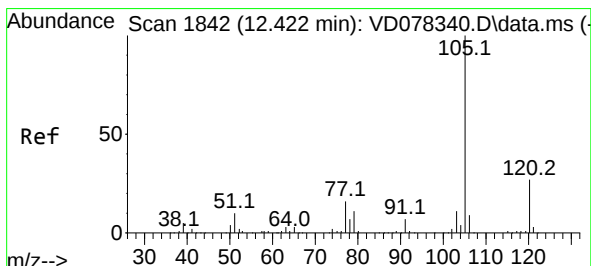
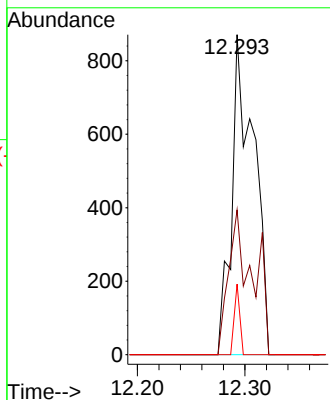
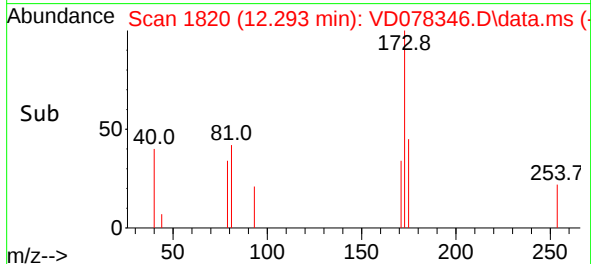
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



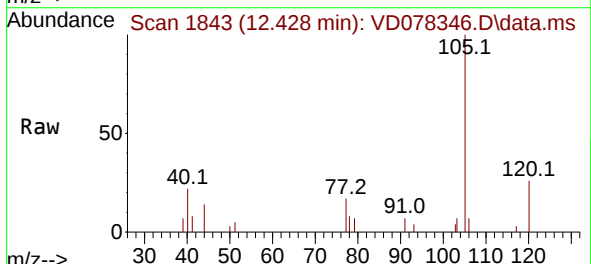
Tgt Ion:173 Resp: 124
Ion Ratio Lower Upper
173 100
175 39.6 40.2 60.4
254 0.0 6.6 9.8

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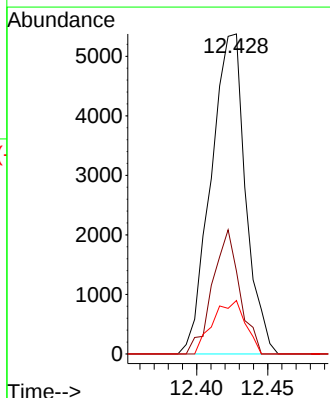
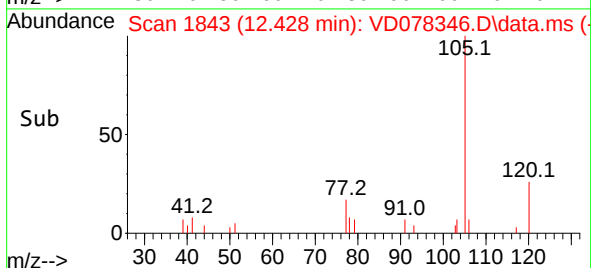
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

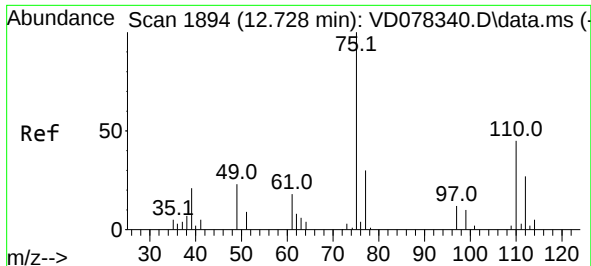


#60
Isopropylbenzene
Concen: 0.754 ug/L
RT: 12.428 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



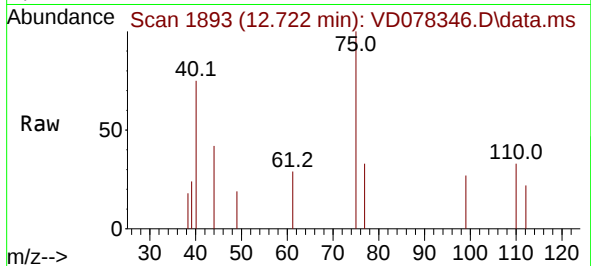
Tgt Ion:105 Resp: 9127
Ion Ratio Lower Upper
105 100
120 30.3 20.4 30.6
77 15.7 12.4 18.6





#61
1,2,3-Trichloropropane
Concen: 0.803 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

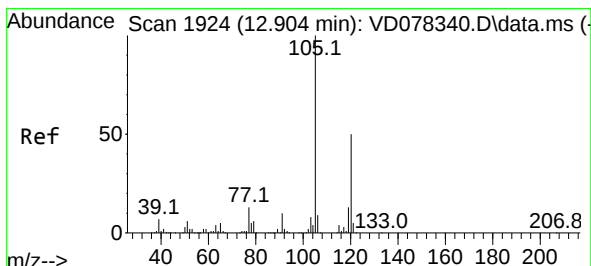
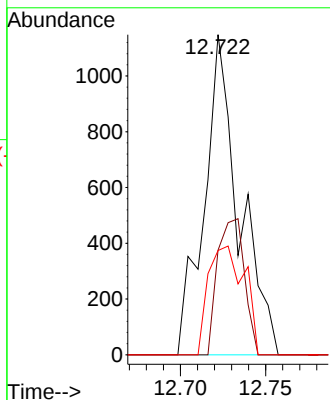
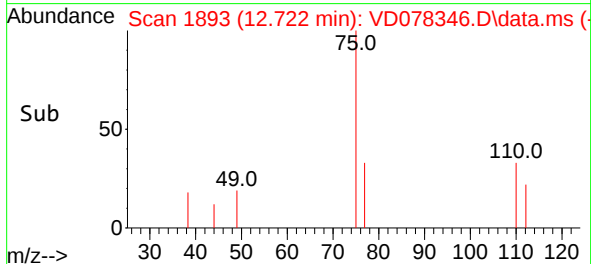
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08



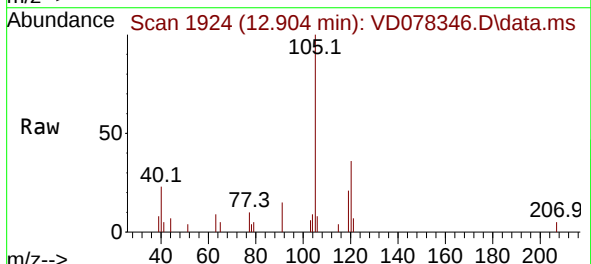
Tgt Ion: 75 Resp: 1640
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7
110 35.0 31.8 47.8

Manual Integrations
APPROVED

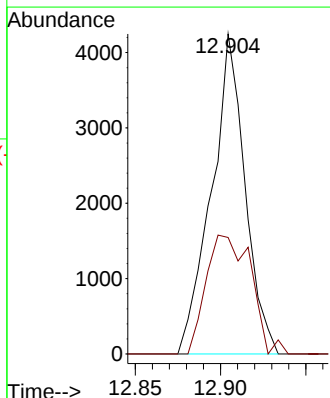
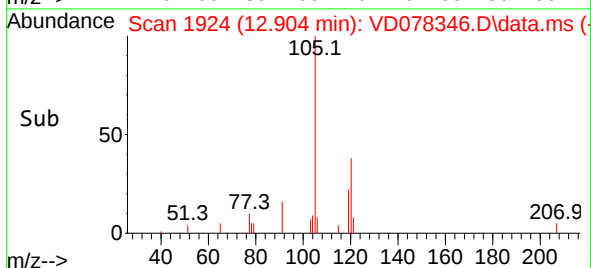
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

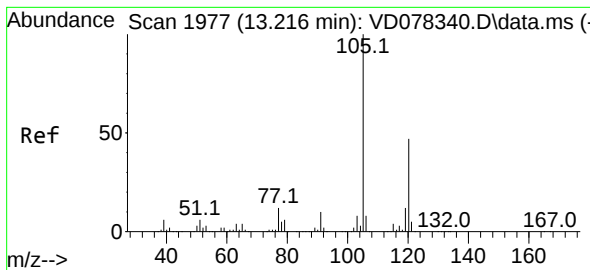


#62
1,3,5-Trimethylbenzene
Concen: 0.616 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



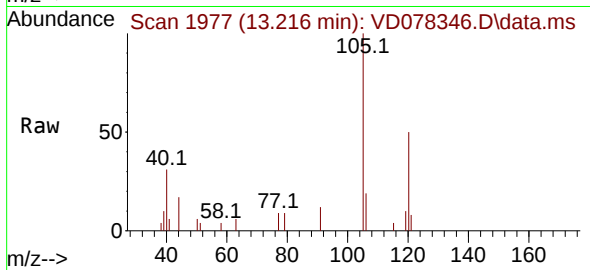
Tgt Ion:105 Resp: 5827
Ion Ratio Lower Upper
105 100
120 48.4 39.5 59.3





#63
1,2,4-Trimethylbenzene
Concen: 0.651 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

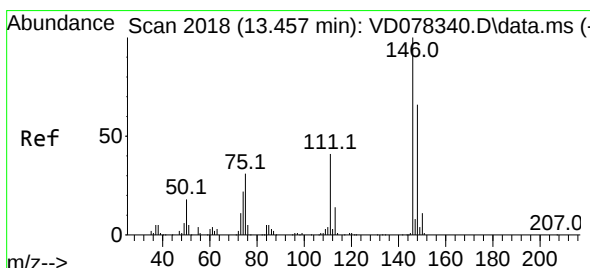
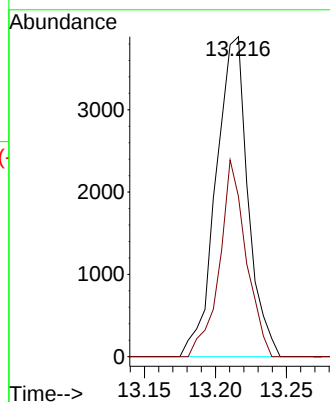
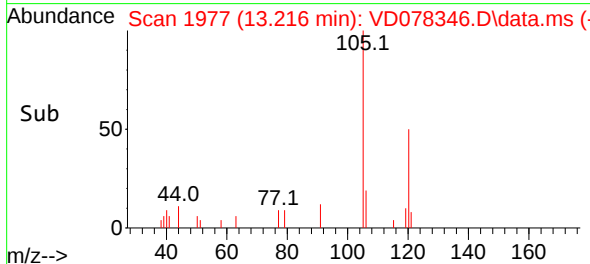
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08



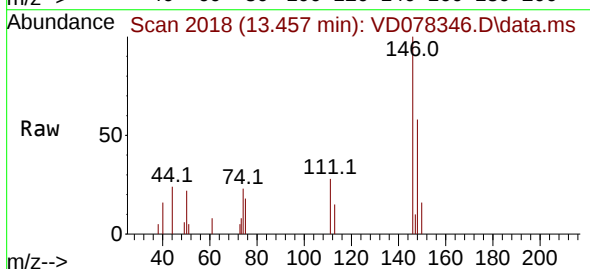
Tgt Ion:105 Resp: 6099
Ion Ratio Lower Upper
105 100
120 51.0 37.0 55.4

Manual Integrations
APPROVED

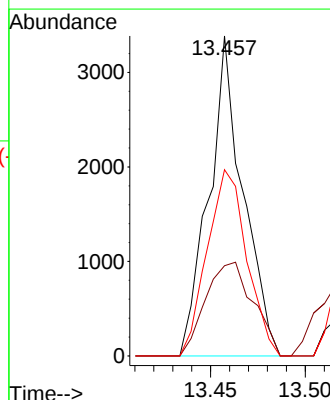
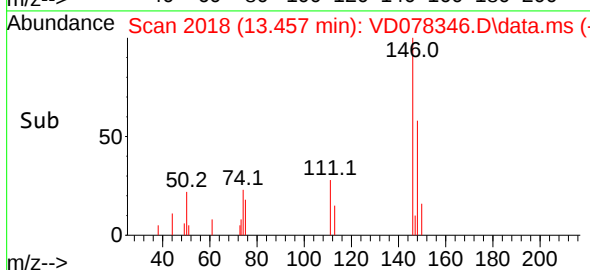
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

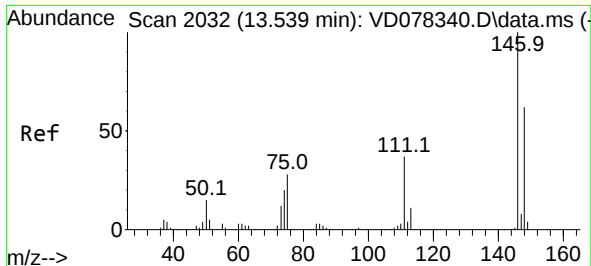


#64
1,3-Dichlorobenzene
Concen: 0.788 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13



Tgt Ion:146 Resp: 4254
Ion Ratio Lower Upper
146 100
111 28.2 28.6 53.0#
148 58.2 46.5 86.3





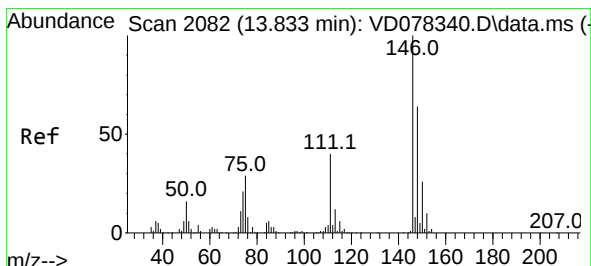
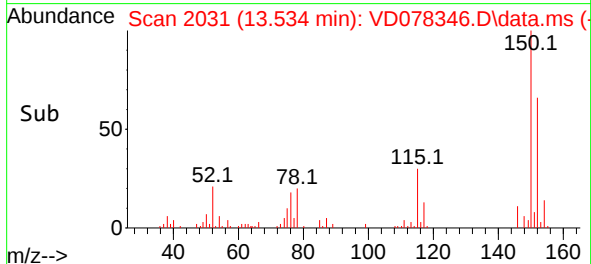
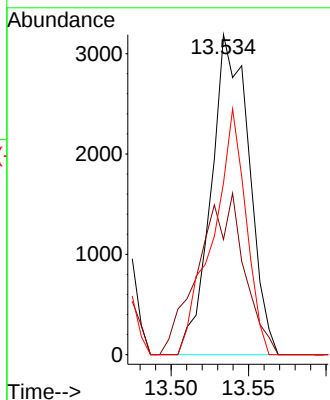
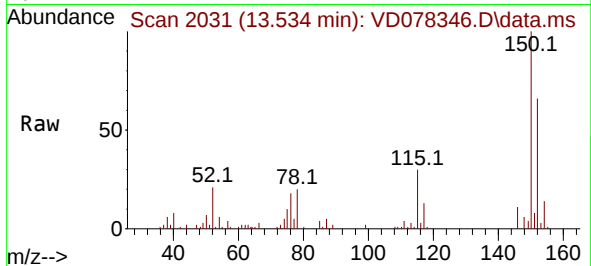
#65
1,4-Dichlorobenzene
Concen: 0.955 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion:146 Resp: 539
Ion Ratio Lower Upper
146 100
111 36.0 26.4 49.0
148 53.6 44.5 82.7

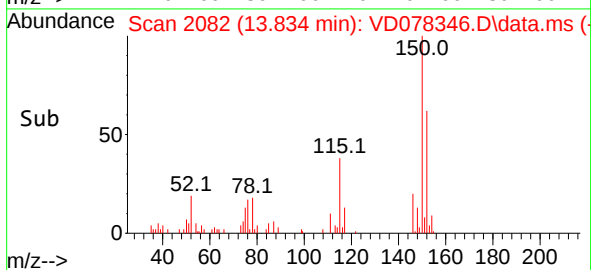
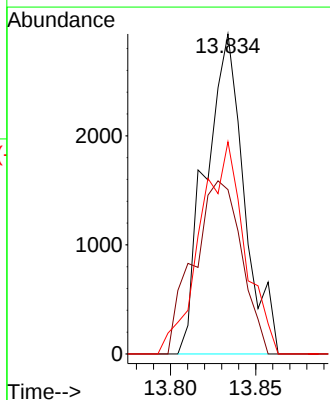
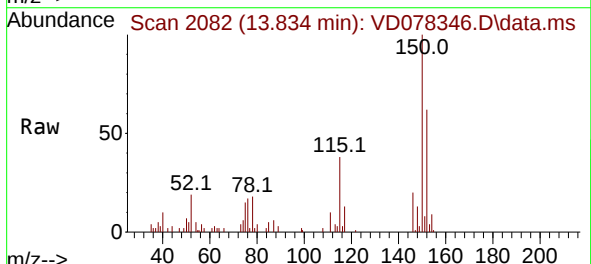
Manual Integrations
APPROVED

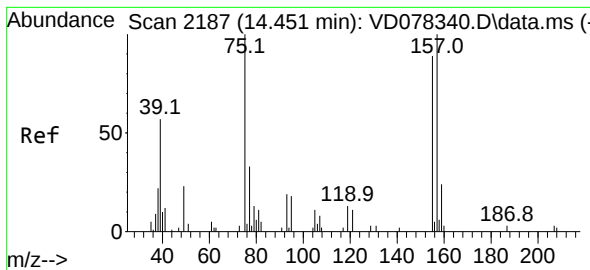
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#67
1,2-Dichlorobenzene
Concen: 0.907 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion:146 Resp: 4634
Ion Ratio Lower Upper
146 100
111 51.3 33.6 50.4#
148 66.3 48.4 72.6





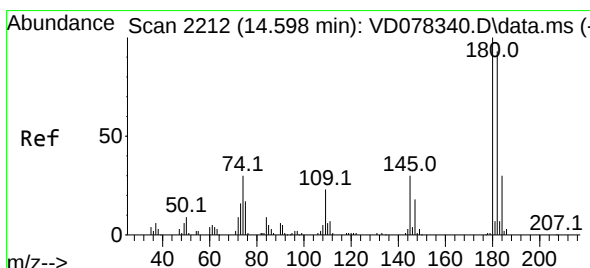
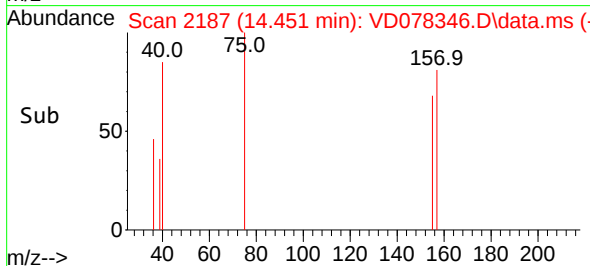
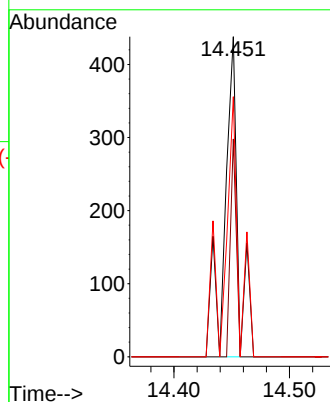
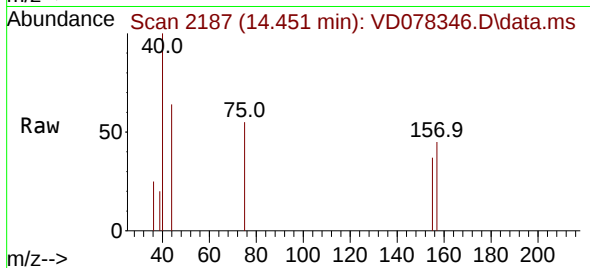
#68
1,2-Dibromo-3-chloropropane
Concen: 0.791 ug/L m
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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

Tgt Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
155 68.0 61.6 92.4
157 81.3 78.1 117.1

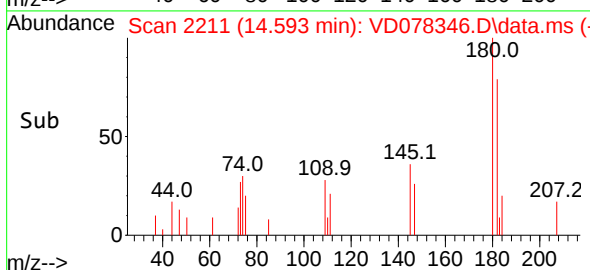
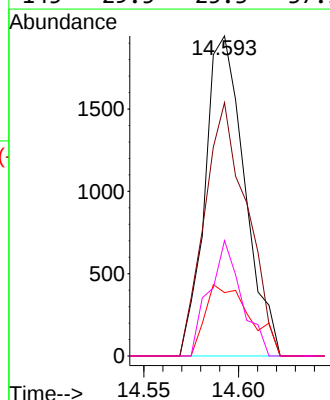
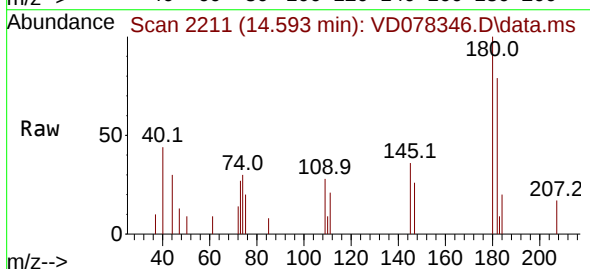
Manual Integrations
APPROVED

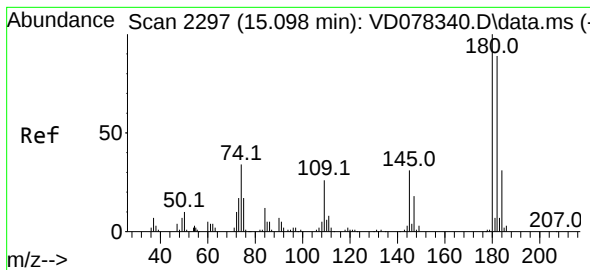
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#69
1,3,5-Trichlorobenzene
Concen: 0.852 ug/L
RT: 14.593 min Scan# 2211
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

Tgt Ion:180 Resp: 2833
Ion Ratio Lower Upper
180 100
182 84.3 75.6 113.4
184 25.3 23.2 34.8
145 29.5 25.3 37.9





#70

1,2,4-trichlorobenzene

Concen: 0.874 ug/L

RT: 15.092 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

Instrument :

MSVOA_D

ClientSampleId :

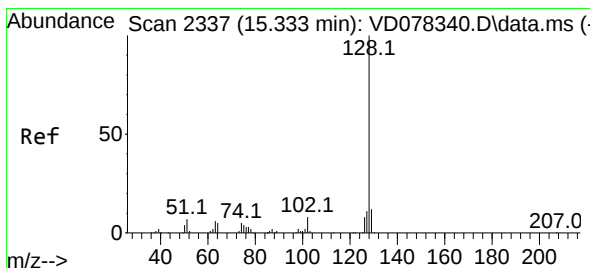
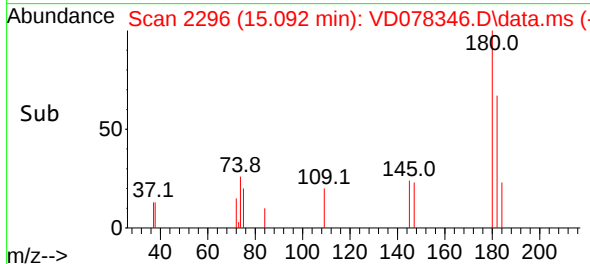
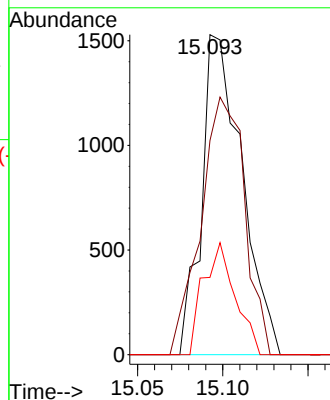
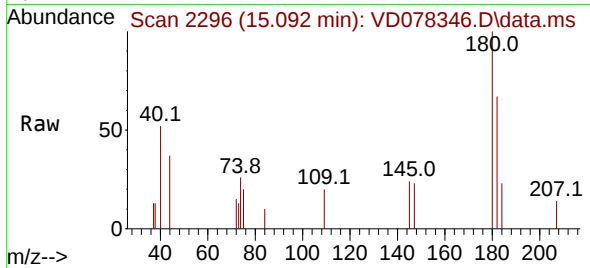
MDL-SOIL-QT4-2023-08

Tgt Ion:180	Resp:	2514
Ion Ratio	Lower	Upper
180	100	
182	87.5	76.2 114.4
145	27.6	25.0 37.6

Manual Integrations

APPROVED

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



#71

Naphthalene

Concen: 0.781 ug/L

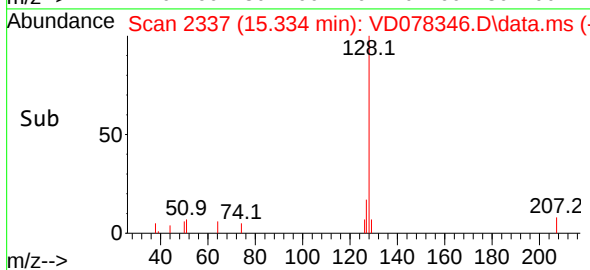
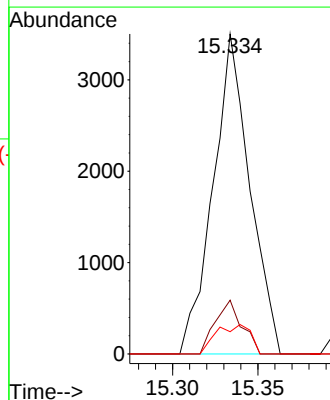
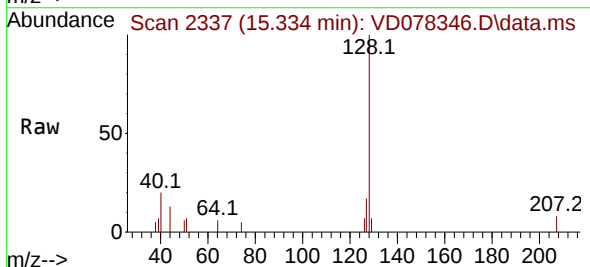
RT: 15.334 min Scan# 2337

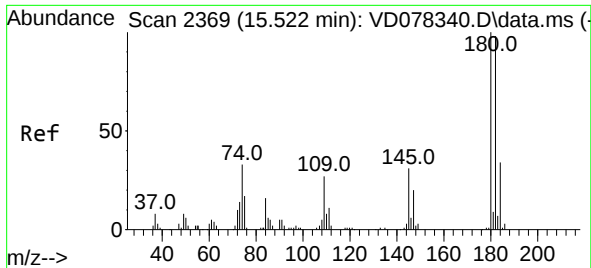
Delta R.T. 0.000 min

Lab File: VD078346.D

Acq: 05 Feb 2024 14:13

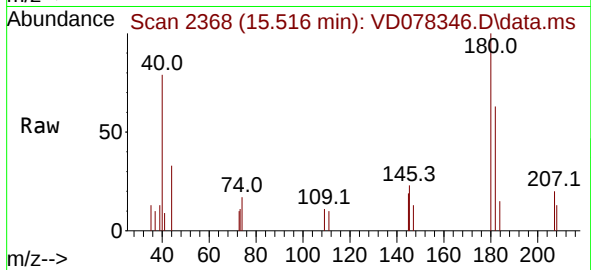
Tgt Ion:128	Resp:	5255
Ion Ratio	Lower	Upper
128	100	
127	12.2	11.0 16.4
129	8.6	8.6 12.8





#72
1,2,3-Trichlorobenzene
Concen: 0.901 ug/L
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD078346.D
Acq: 05 Feb 2024 14:13

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



Tgt Ion:180	Resp:	2418
Ion Ratio	Lower	Upper
180	100	
182	83.1	75.4 113.0
145	31.4	26.8 40.2

Manual Integrations
APPROVED

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

