

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
 Data File : VD078360.D
 Acq On : 07 Feb 2024 14:21
 Operator : RP/MD
 Sample : 04696-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 08 00:39:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 08 00:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024
 Supervised By :Semsettin Yesilyurt 02/08/2024

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	191151	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	183548	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	74521	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	138728	25.580	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	102.320%	
7) Chloroethane-d5	2.805	69	116574	25.572	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	102.280%	
11) 1,1-Dichloroethene-d2	3.916	65	28559	24.389	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	97.560%	
21) 2-Butanone-d5	6.987	46	25329	31.721	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	63.440%	
24) Chloroform-d	7.569	84	120847	22.174	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	88.680%	
26) 1,2-Dichloroethane-d4	8.228	65	65413	22.240	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	88.960%	
32) Benzene-d6	8.199	84	271990	25.343	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	101.360%	
36) 1,2-Dichloropropane-d6	9.210	67	83717	25.337	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	101.360%	
41) Toluene-d8	10.269	98	240611	24.960	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	99.840%	
43) trans-1,3-Dichloroprop...	10.522	79	31535	21.375	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	85.480%	
47) 2-Hexanone-d5	10.875	63	22788	33.993	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	67.980%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	59810	19.481	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	77.920%	
66) 1,2-Dichlorobenzene-d4	13.816	152	68667	25.739	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	102.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	1910	0.507	ug/L #	82
3) Chloromethane	2.152	50	4384	0.800	ug/L	98
5) Vinyl chloride	2.287	62	4972	0.734	ug/L #	74
6) Bromomethane	2.699	94	1965m	0.640	ug/L	
8) Chloroethane	2.840	64	2994	0.694	ug/L #	65
9) Trichlorofluoromethane	3.175	101	3197	0.664	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	2761m	0.921	ug/L	
12) 1,1-Dichloroethene	3.940	96	2571m	0.927	ug/L	
14) Carbon disulfide	4.275	76	6911	0.676	ug/L	98
15) Methyl Acetate	4.575	43	594m	0.378	ug/L	
16) Methylene chloride	4.799	84	9500m	2.534	ug/L	
17) trans-1,2-Dichloroethene	5.328	96	1884m	0.616	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3322m	0.467	ug/L	
19) 1,1-Dichloroethane	6.122	63	3131m	0.585	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2054m	0.613	ug/L	
22) 2-Butanone	7.093	43	1232m	0.971	ug/L	
23) Bromochloromethane	7.422	128	815m	0.551	ug/L	
25) Chloroform	7.599	83	16938	2.901	ug/L	87
27) 1,2-Dichloroethane	8.340	62	2412	0.643	ug/L #	69

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 Supervised By :Semsettin Yesilyurt 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	2422m	0.584	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	2689	0.598	ug/L #	67
31) Carbon tetrachloride	7.987	117	2364	0.596	ug/L #	64
33) Benzene	8.257	78	7756	0.627	ug/L	100
34) Trichloroethene	9.028	95	1886	0.604	ug/L	87
35) Methylcyclohexane	9.275	83	2846	0.582	ug/L #	83
37) 1,2-Dichloropropane	9.299	63	2233m	0.685	ug/L	
38) Bromodichloromethane	9.581	83	2711	0.638	ug/L #	68
39) cis-1,3-Dichloropropene	10.022	75	2703	0.533	ug/L #	82
40) 4-Methyl-2-pentanone	10.151	43	1759	0.869	ug/L #	52
42) Toluene	10.334	91	8151	0.633	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	2707m	0.610	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1536	0.591	ug/L #	73
46) Tetrachloroethene	10.804	164	1520	0.709	ug/L	74
49) Dibromochloromethane	11.069	129	1485	0.509	ug/L #	68
50) 1,2-Dibromoethane	11.175	107	1238m	0.489	ug/L	
51) Chlorobenzene	11.604	112	5289	0.635	ug/L	92
52) Ethylbenzene	11.681	91	8095	0.586	ug/L	91
53) m,p-Xylene	11.787	106	2699	0.508	ug/L	78
54) o-Xylene	12.122	106	2700	0.527	ug/L	76
55) Styrene	12.128	104	3715	0.402	ug/L #	70
57) 1,1,2,2-Tetrachloroethane	12.669	83	1848	0.555	ug/L #	84
59) Bromoform	12.298	173	780	0.522	ug/L #	66
60) Isopropylbenzene	12.416	105	6520	0.579	ug/L	95
61) 1,2,3-Trichloropropane	12.728	75	1009m	0.531	ug/L	
62) 1,3,5-Trimethylbenzene	12.904	105	4871	0.553	ug/L	91
63) 1,2,4-Trimethylbenzene	13.210	105	4344	0.498	ug/L	89
64) 1,3-Dichlorobenzene	13.451	146	3091	0.615	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	3531	0.671	ug/L #	72
67) 1,2-Dichlorobenzene	13.834	146	2998	0.631	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	1933m	0.624	ug/L	
70) 1,2,4-trichlorobenzene	15.092	180	1768	0.661	ug/L	85
71) Naphthalene	15.328	128	2899	0.463	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.522	180	1314	0.526	ug/L #	84

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

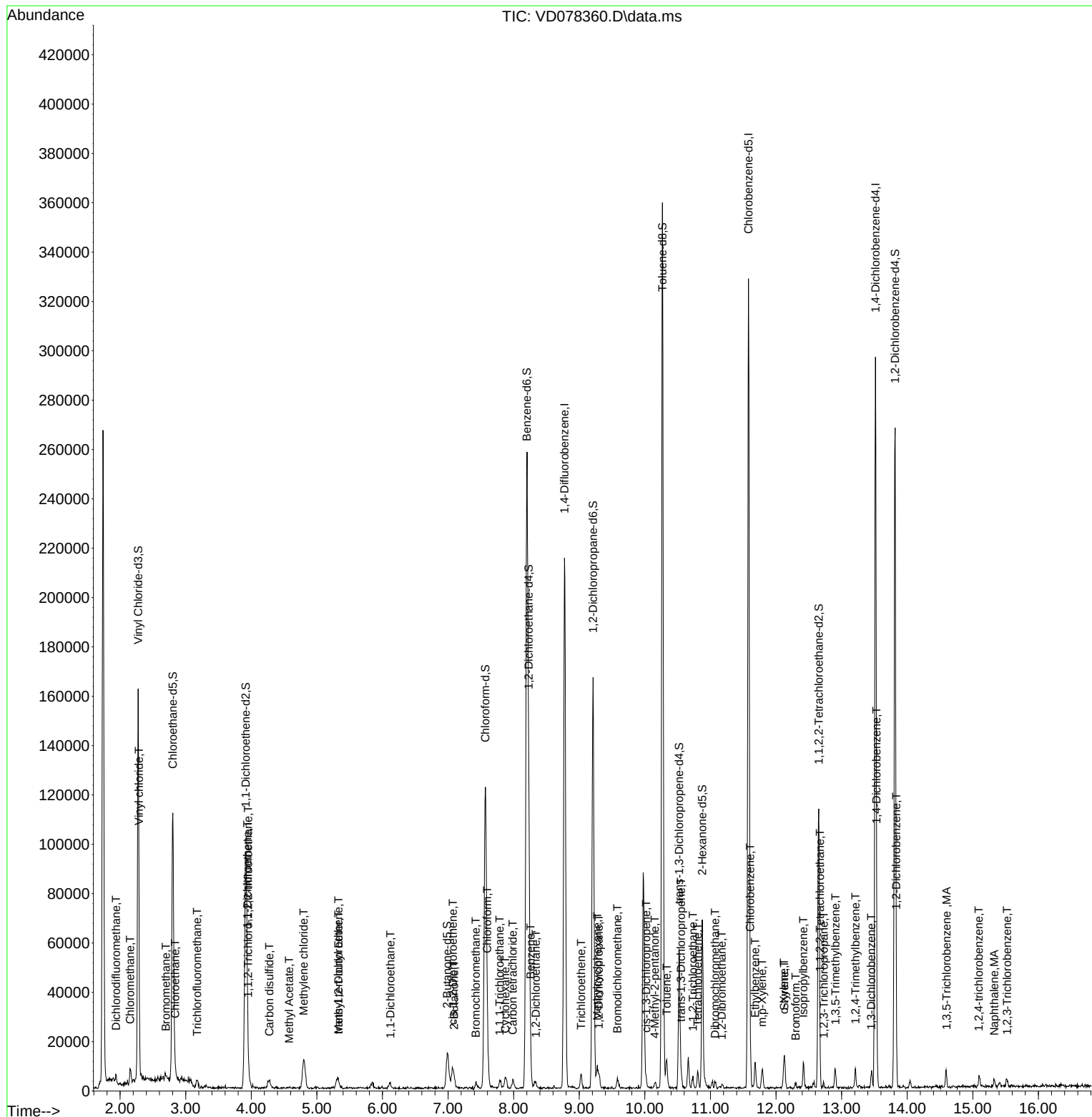
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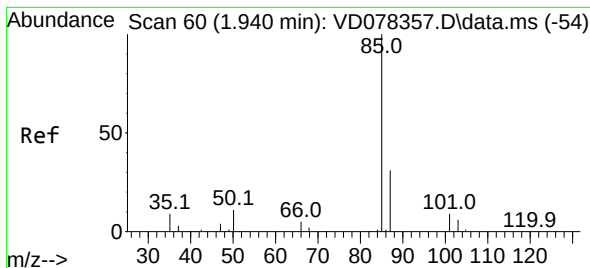
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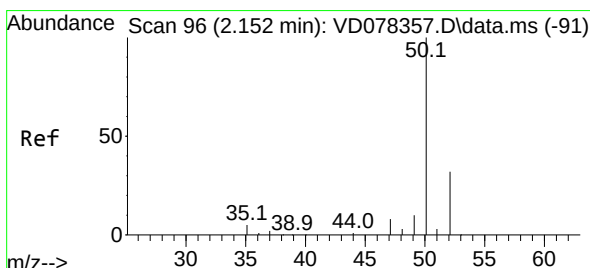
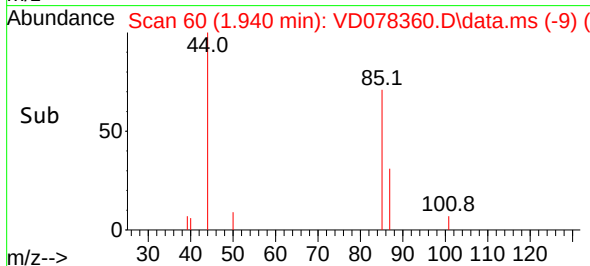
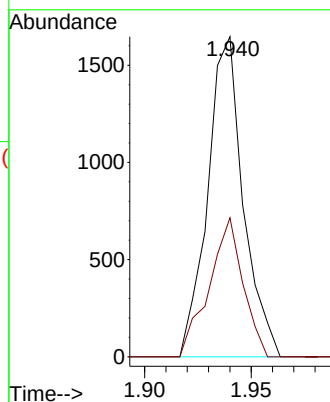
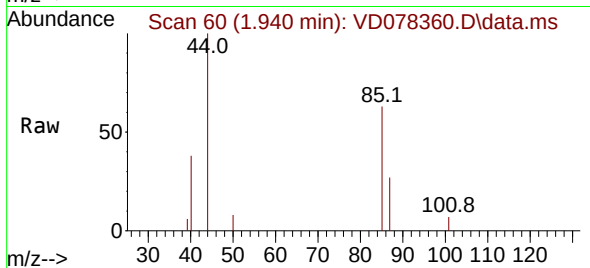
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Dichlorodifluoromethane
Concen: 0.507 ug/L
RT: 1.940 min Scan# 60
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

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

Tgt Ion: 85 Resp: 1910
Ion Ratio Lower Upper
85 100
87 41.3 25.3 37.9

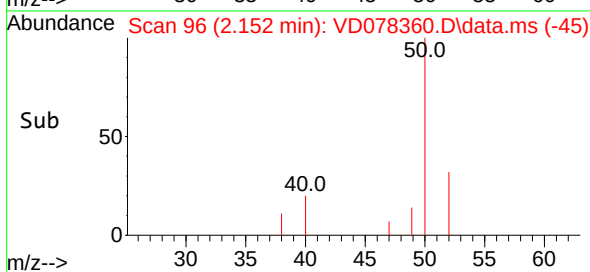
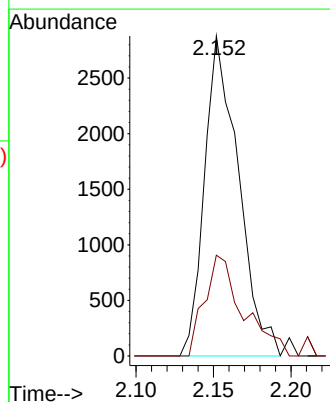
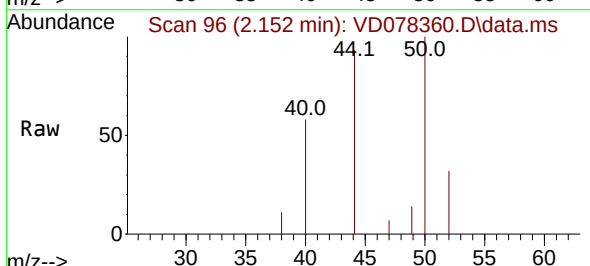
Manual Integrations
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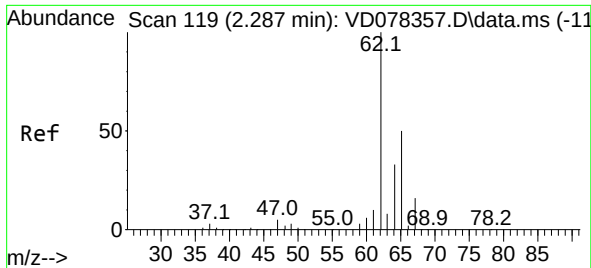
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#3
Chloromethane
Concen: 0.800 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

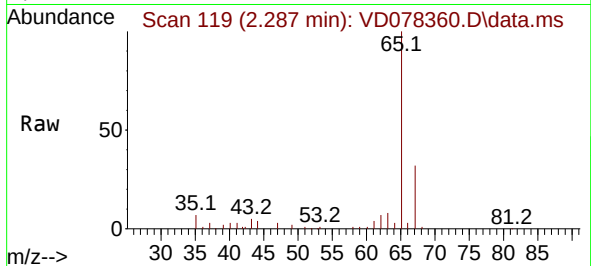
Tgt Ion: 50 Resp: 4384
Ion Ratio Lower Upper
50 100
52 31.5 22.7 42.3





#5
 Vinyl chloride
 Concen: 0.734 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD078360.D
 Acq: 07 Feb 2024 14:21

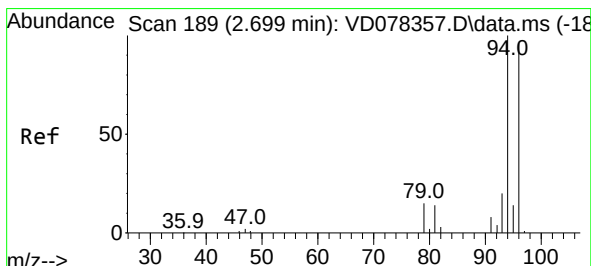
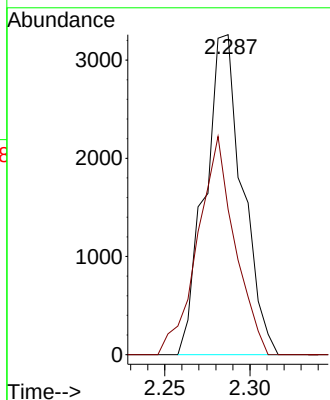
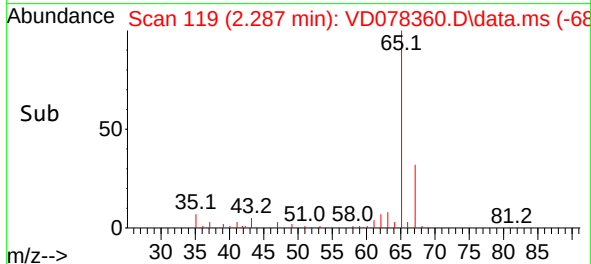
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



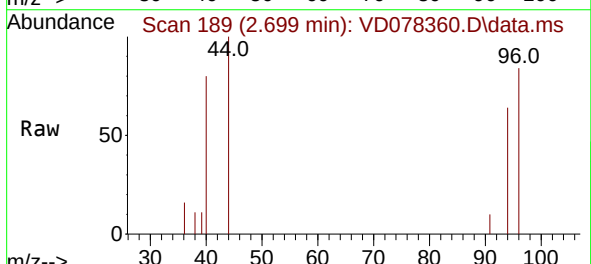
Tgt Ion: 62 Resp: 4972
 Ion Ratio Lower Upper
 62 100
 64 45.4 21.7 40.3

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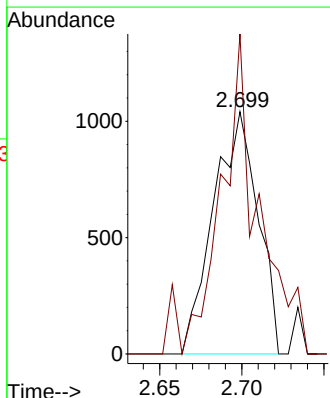
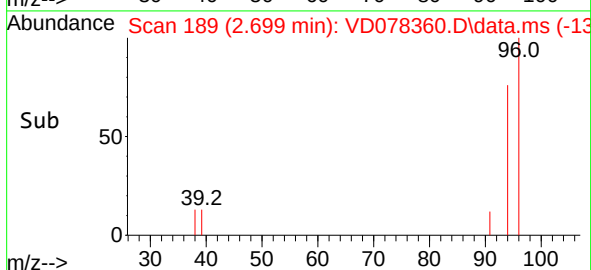
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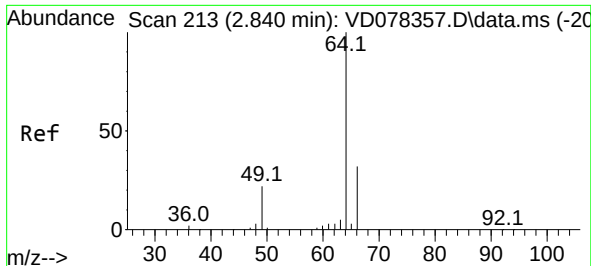


#6
 Bromomethane
 Concen: 0.640 ug/L m
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD078360.D
 Acq: 07 Feb 2024 14:21



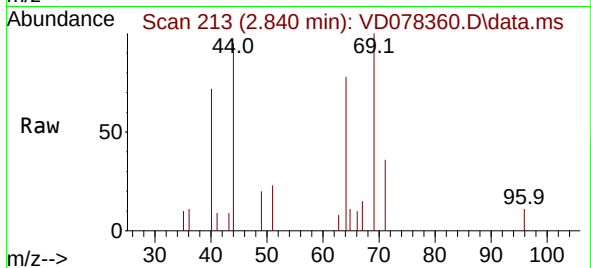
Tgt Ion: 94 Resp: 1965
 Ion Ratio Lower Upper
 94 100
 96 132.1 64.8 120.4





#8
Chloroethane
Concen: 0.694 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

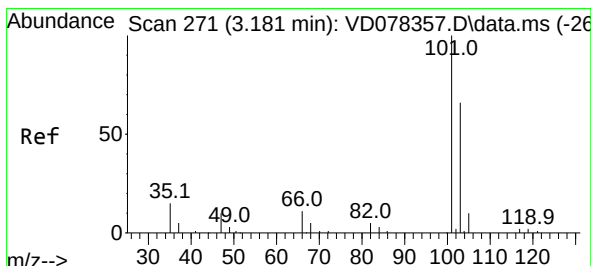
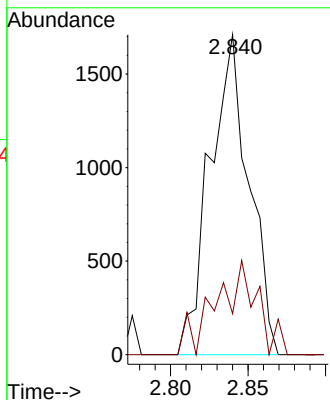
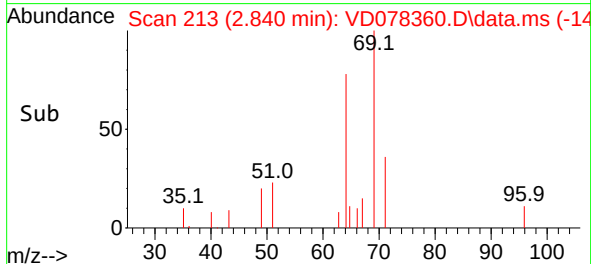
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 2994
Ion Ratio Lower Upper
64 100
66 12.8 22.8 42.4

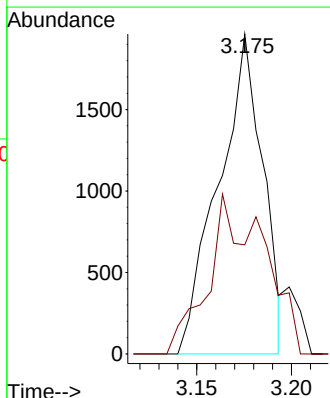
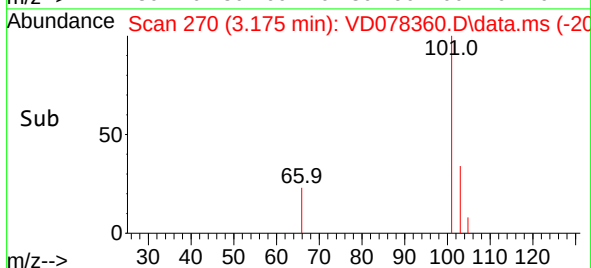
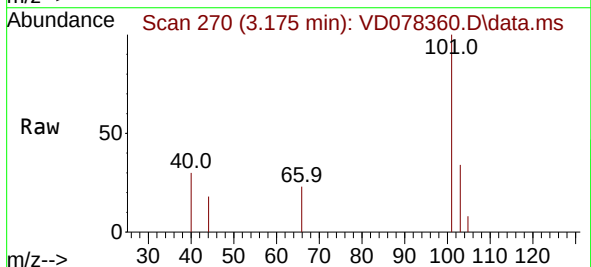
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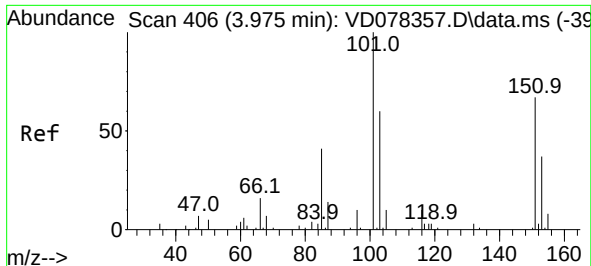
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#9
Trichlorofluoromethane
Concen: 0.664 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

Tgt Ion:101 Resp: 3197
Ion Ratio Lower Upper
101 100
103 24.7 51.1 76.7#





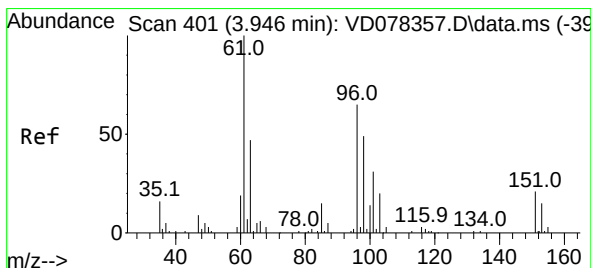
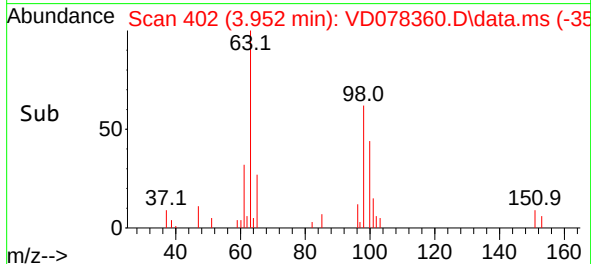
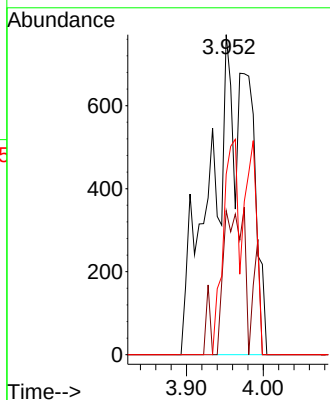
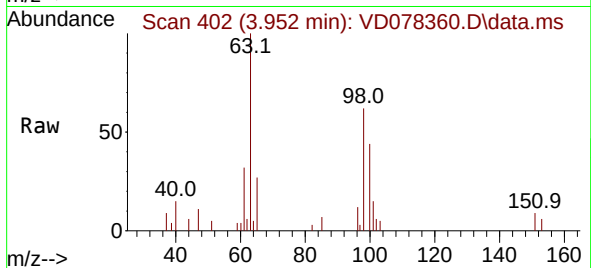
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.921 ug/L m
RT: 3.952 min Scan# 406
Delta R.T. -0.023 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

Instrument :
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Tgt Ion:101 Resp: 276
Ion Ratio Lower Upper
101 100
85 4.5 34.6 51.8
151 25.5 54.6 81.8

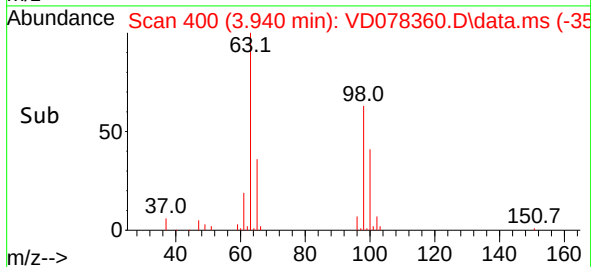
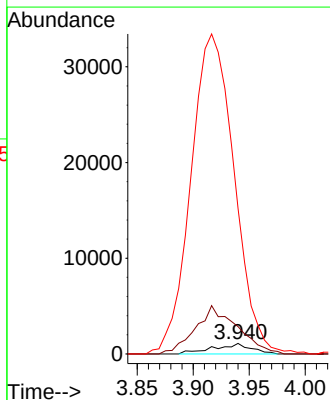
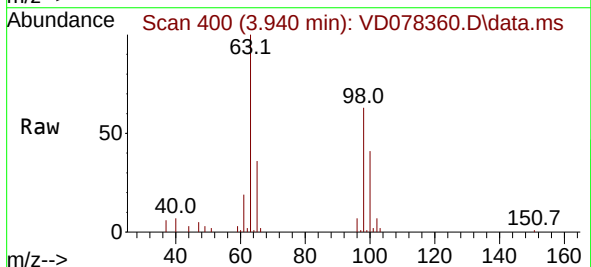
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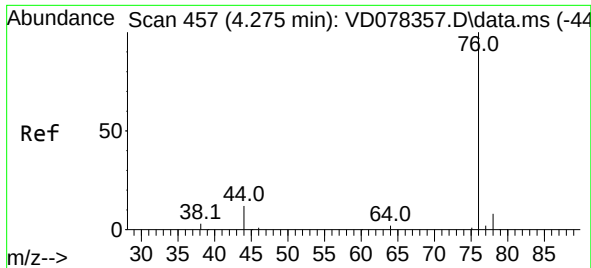
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#12
1,1-Dichloroethene
Concen: 0.927 ug/L m
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

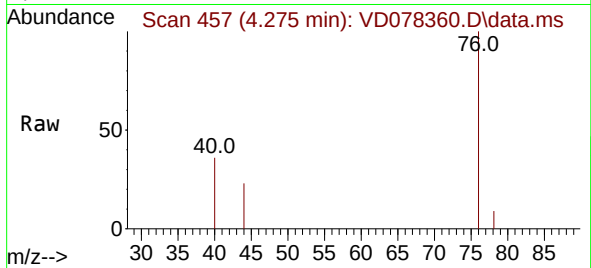
Tgt Ion: 96 Resp: 2571
Ion Ratio Lower Upper
96 100
61 260.3 108.8 202.2#
63 1384.0 65.2 121.0#





#14
Carbon disulfide
Concen: 0.676 ug/L
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

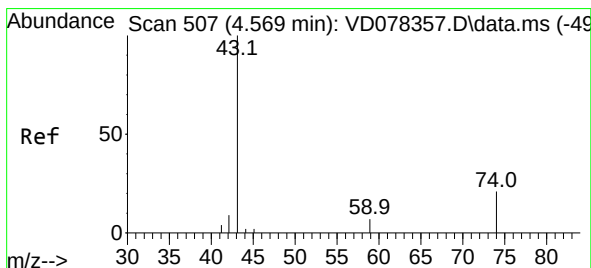
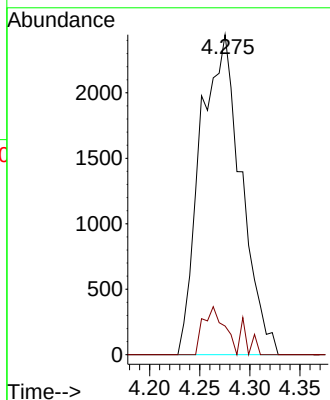
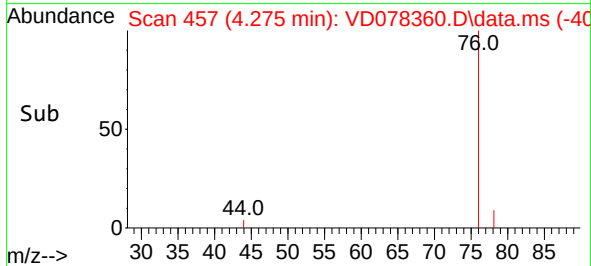
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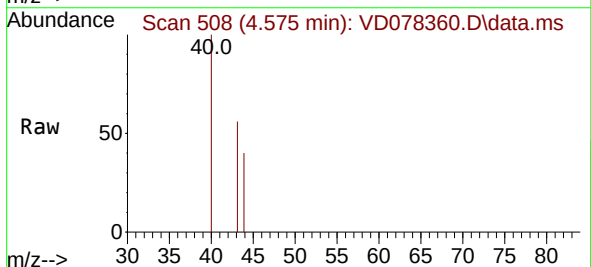
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Ion Ratio Lower Upper
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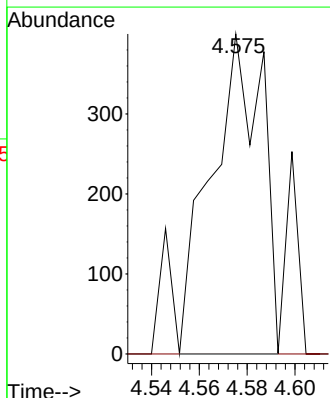
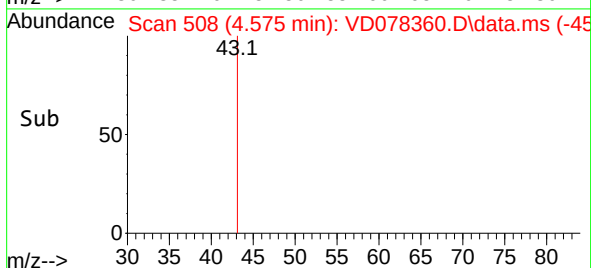
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

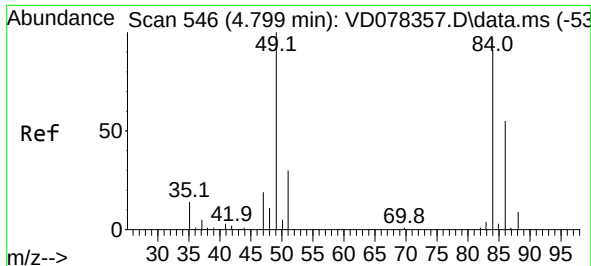


#15
Methyl Acetate
Concen: 0.378 ug/L m
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



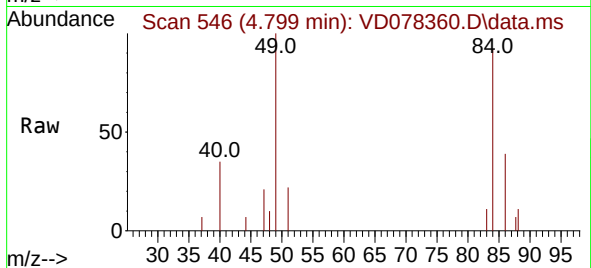
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#





#16
Methylene chloride
Concen: 2.534 ug/L m
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

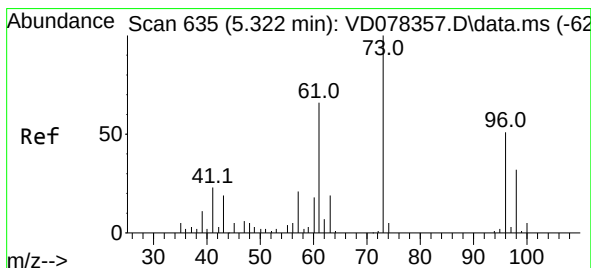
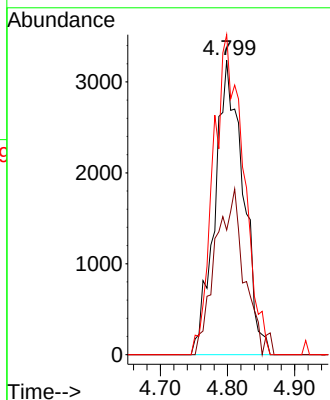
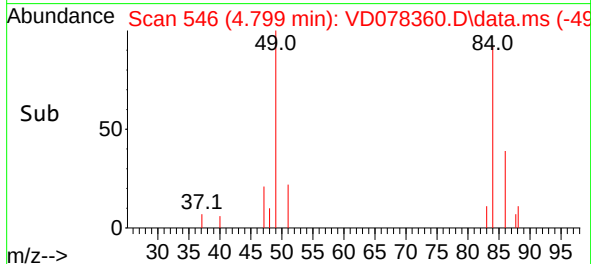
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 84 Resp: 9500
Ion Ratio Lower Upper
84 100
86 42.3 45.4 84.2#
49 108.7 77.3 143.7

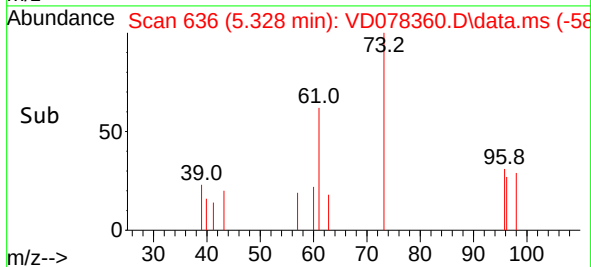
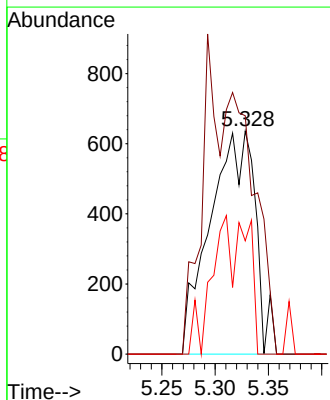
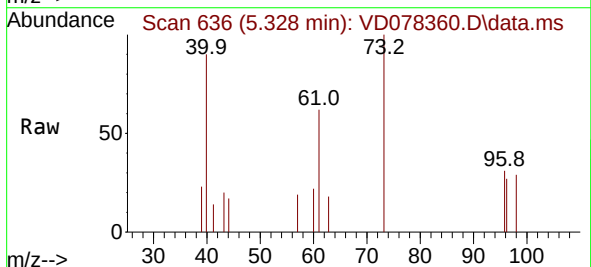
Manual Integrations
APPROVED

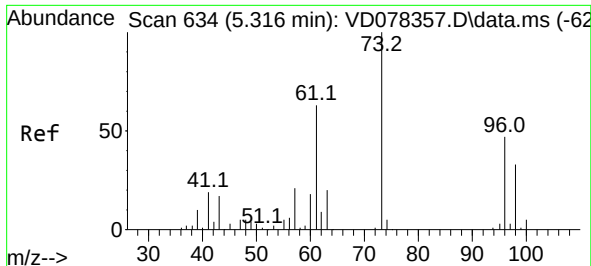
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#17
trans-1,2-Dichloroethene
Concen: 0.616 ug/L m
RT: 5.328 min Scan# 636
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

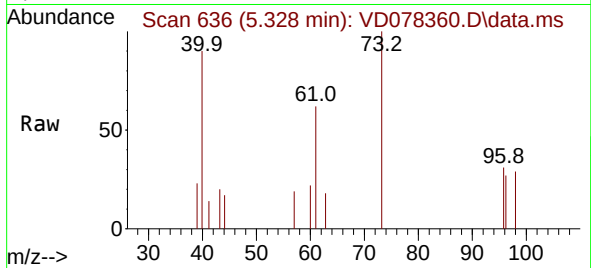
Tgt Ion: 96 Resp: 1884
Ion Ratio Lower Upper
96 100
61 202.4 82.7 153.7#
98 96.1 40.7 75.7#





#18
Methyl tert-butyl Ether
Concen: 0.467 ug/L m
RT: 5.328 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

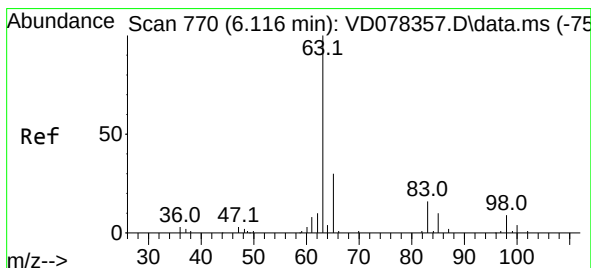
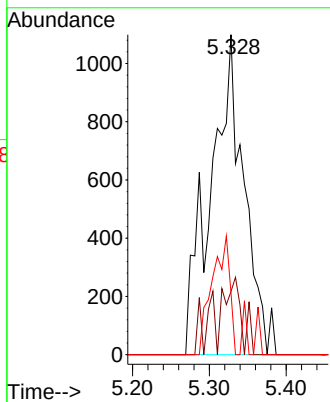
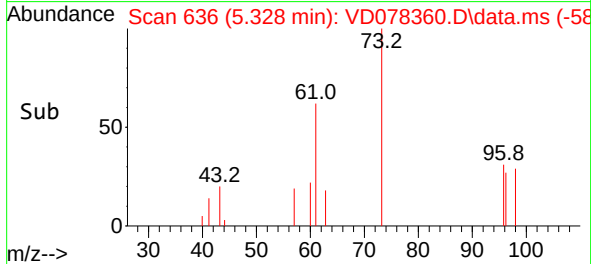
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



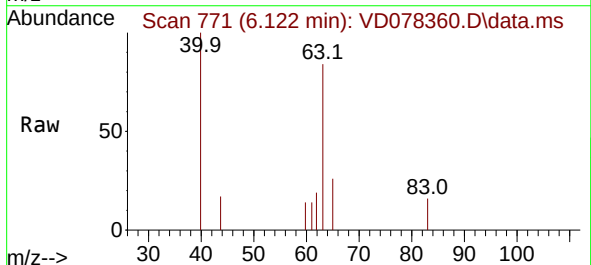
Tgt Ion: 73 Resp: 332
Ion Ratio Lower Upper
73 100
43 4.2 13.3 19.9
57 13.3 17.2 25.8

Manual Integrations
APPROVED

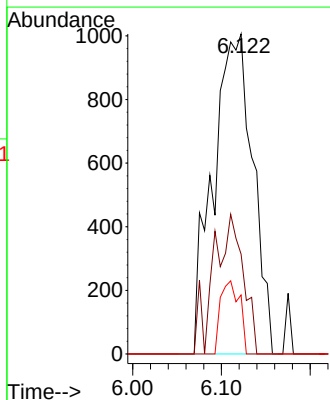
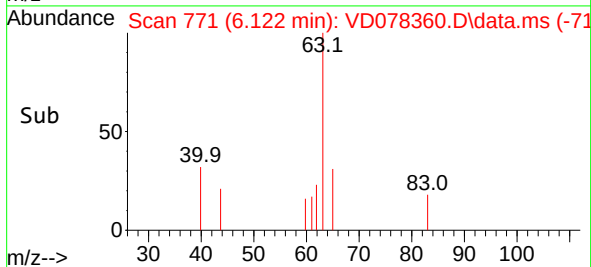
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

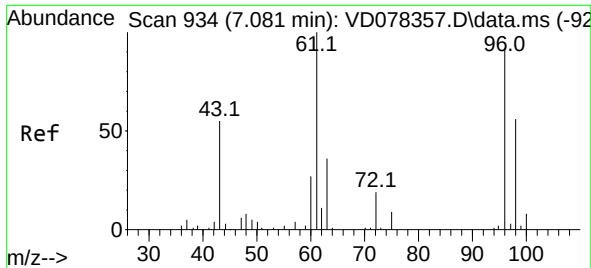


#19
1,1-Dichloroethane
Concen: 0.585 ug/L m
RT: 6.122 min Scan# 771
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



Tgt Ion: 63 Resp: 3131
Ion Ratio Lower Upper
63 100
65 31.2 21.8 40.4
83 18.5 10.1 18.9





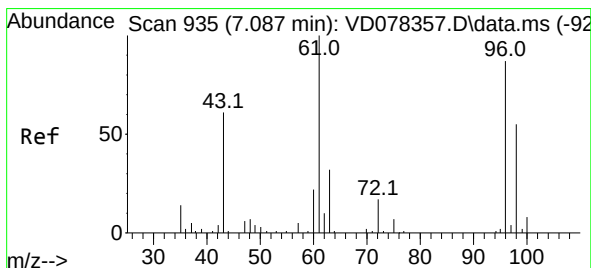
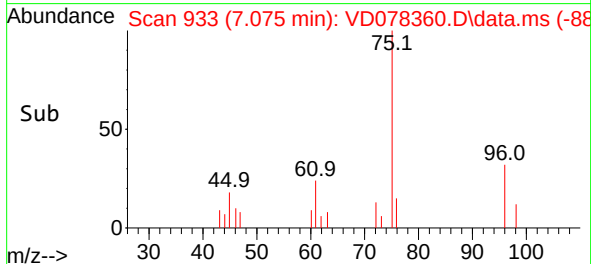
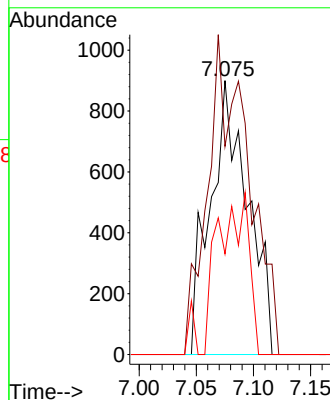
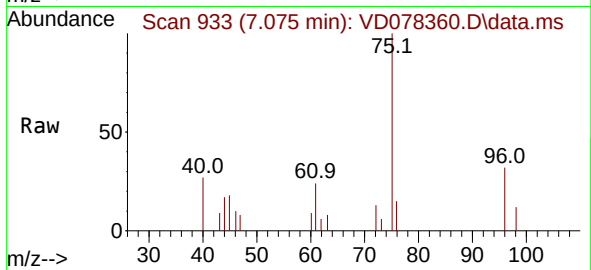
#20
cis-1,2-Dichloroethene
Concen: 0.613 ug/L m
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

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

Tgt Ion: 96 Resp: 2054
Ion Ratio Lower Upper
96 100
61 76.0 75.6 140.4
98 36.8 43.1 80.1

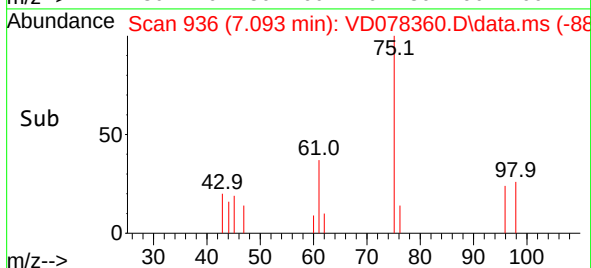
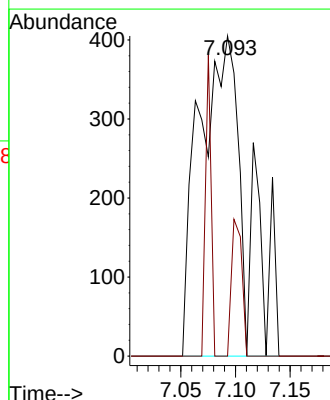
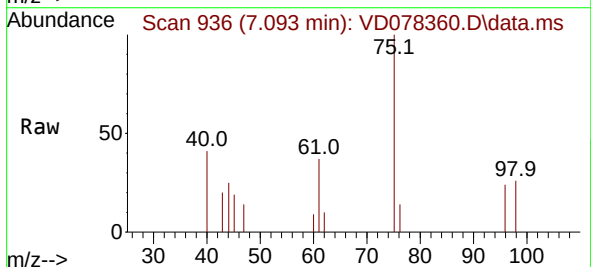
Manual Integrations
APPROVED

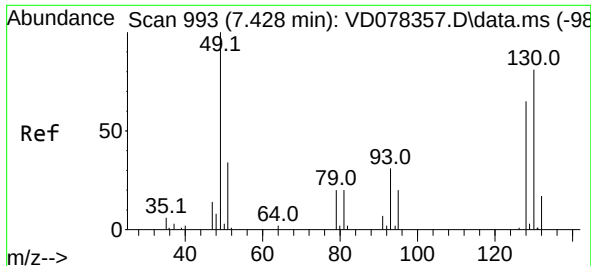
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#22
2-Butanone
Concen: 0.971 ug/L m
RT: 7.093 min Scan# 936
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

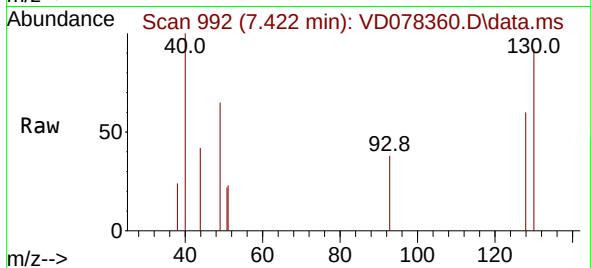
Tgt Ion: 43 Resp: 1232
Ion Ratio Lower Upper
43 100
72 9.3 15.4 46.2#





#23
Bromochloromethane
Concen: 0.551 ug/L m
RT: 7.422 min Scan# 991
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

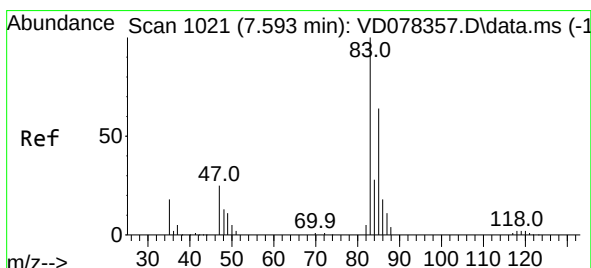
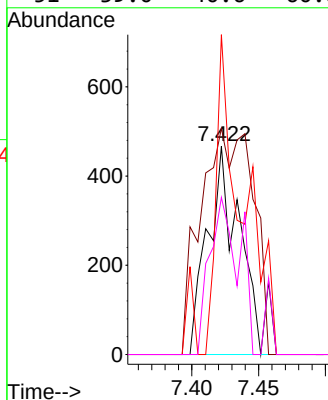
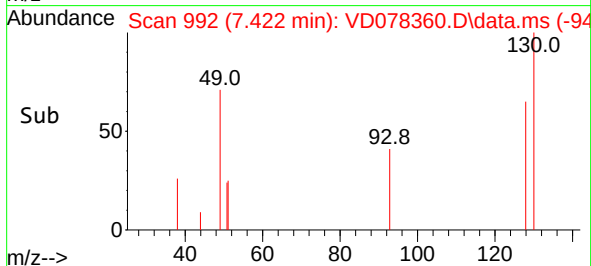
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:128 Resp: 81
Ion Ratio Lower Upper
128 100
49 108.6 102.7 190.7
130 153.5 82.6 153.4
51 39.0 40.6 60.8#

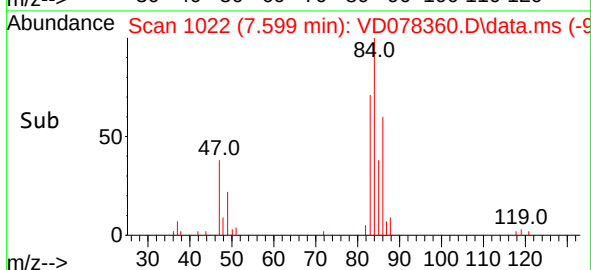
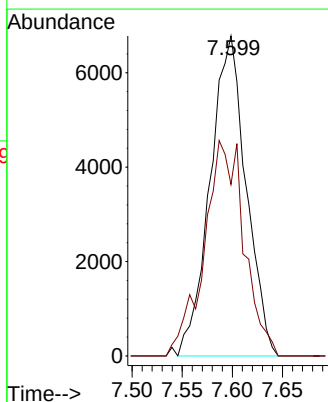
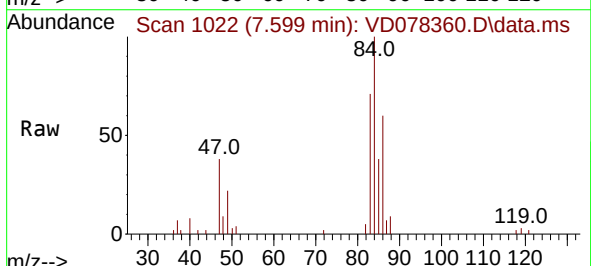
Manual Integrations
APPROVED

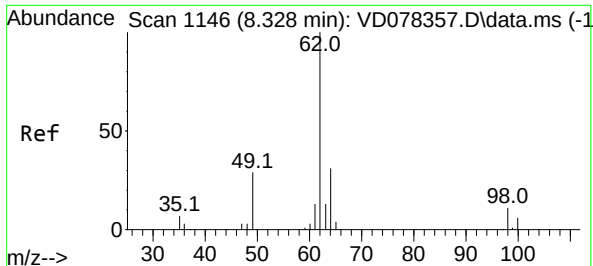
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#25
Chloroform
Concen: 2.901 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

Tgt Ion: 83 Resp: 16938
Ion Ratio Lower Upper
83 100
85 53.6 44.9 83.3





#27

1,2-Dichloroethane

Concen: 0.643 ug/L

RT: 8.340 min Scan# 1146

Delta R.T. 0.012 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

Instrument :

MSVOA_D

ClientSampleId :

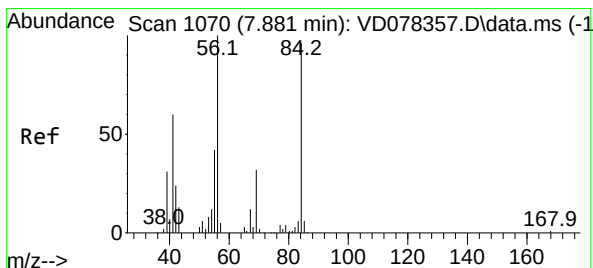
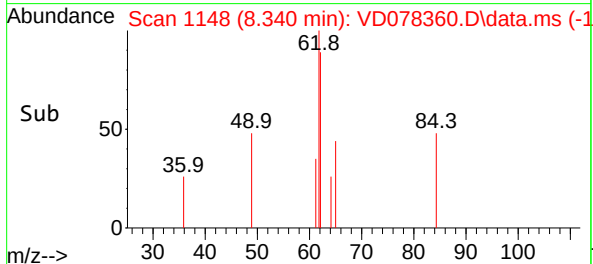
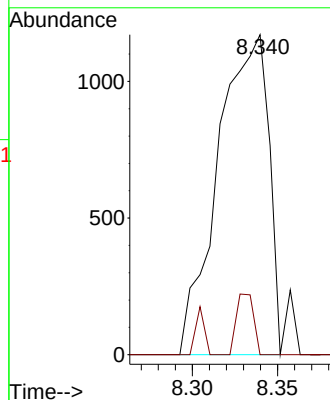
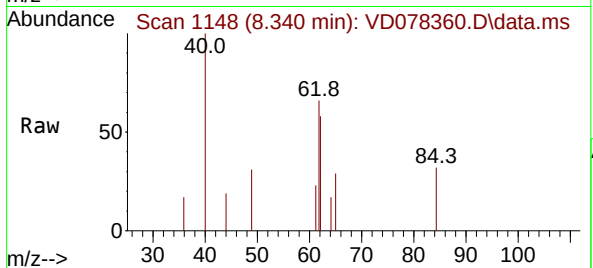
MDL-SOIL-QT4-2023-07

Tgt Ion: 62 Resp: 2412
 Ion Ratio Lower Upper
 62 100
 98 0.0 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024
 Supervised By :Semsettin Yesilyurt 02/08/2024



#29

Cyclohexane

Concen: 0.584 ug/L m

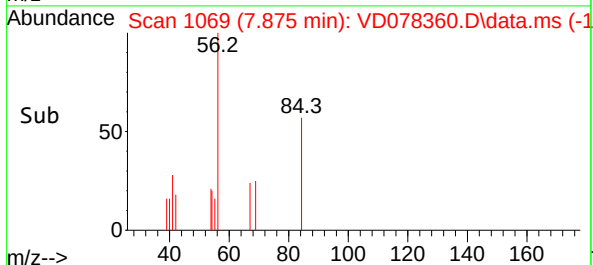
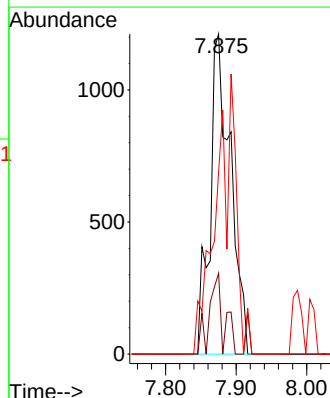
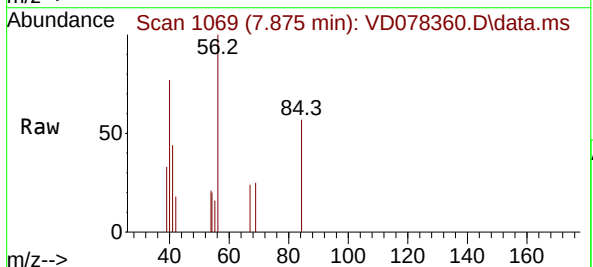
RT: 7.875 min Scan# 1069

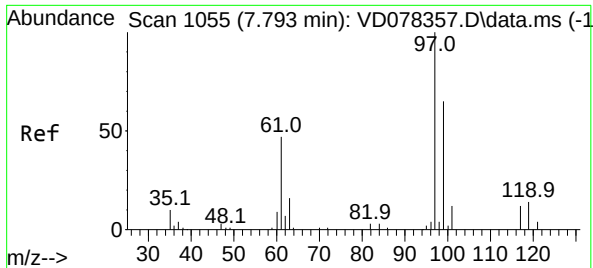
Delta R.T. -0.006 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

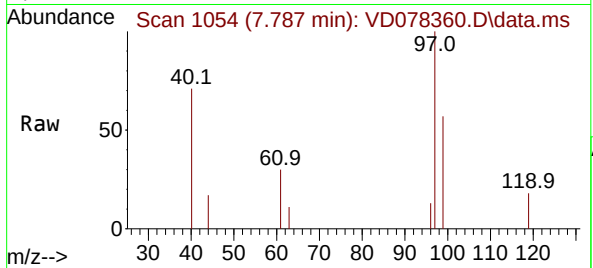
Tgt Ion: 56 Resp: 2422
 Ion Ratio Lower Upper
 56 100
 69 11.0 23.3 34.9#
 84 35.5 74.7 112.1#





#30
1,1,1-Trichloroethane
Concen: 0.598 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

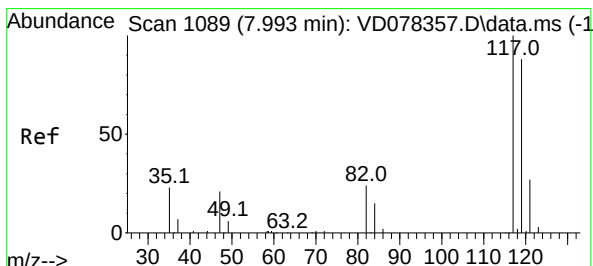
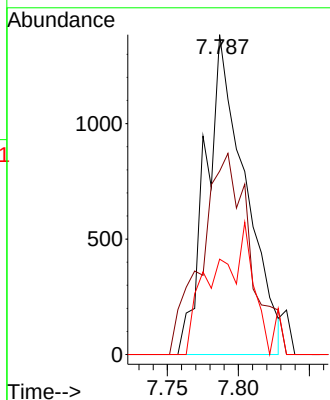
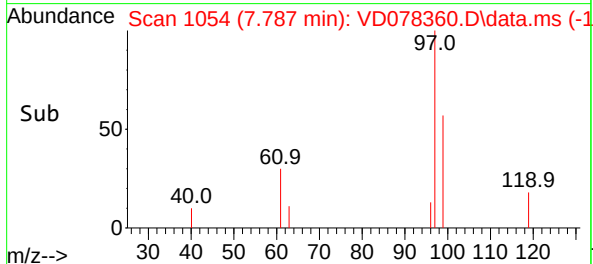
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 97 Resp: 2689
Ion Ratio Lower Upper
97 100
99 44.1 50.7 76.1
61 14.6 34.4 51.6

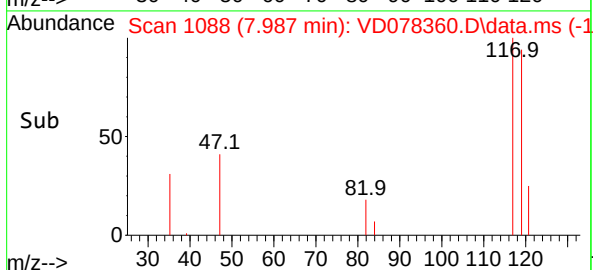
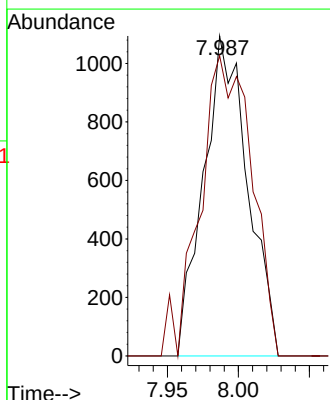
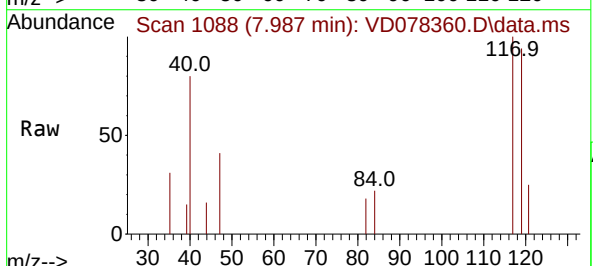
Manual Integrations
APPROVED

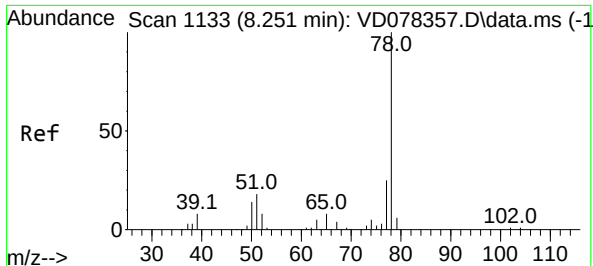
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#31
Carbon tetrachloride
Concen: 0.596 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

Tgt Ion:117 Resp: 2364
Ion Ratio Lower Upper
117 100
119 61.3 77.0 115.4





#33

Benzene

Concen: 0.627 ug/L

RT: 8.257 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

Instrument :

MSVOA_D

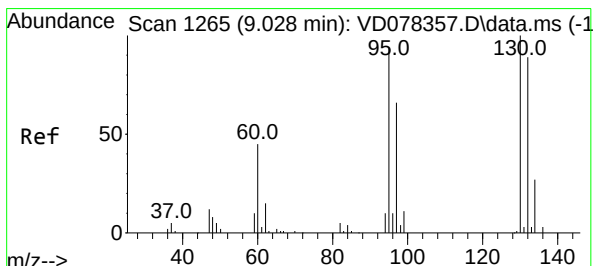
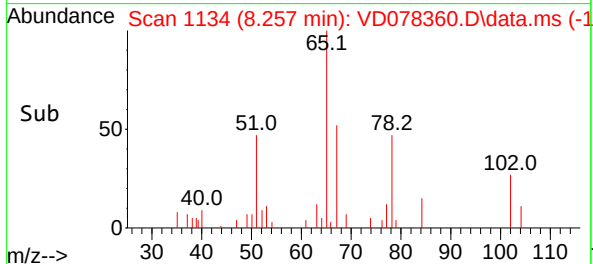
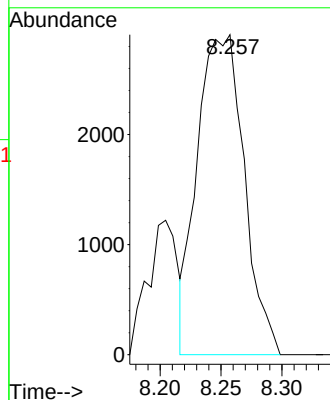
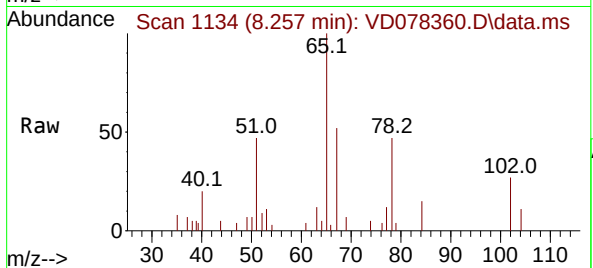
ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 78 Resp: 7750

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#34

Trichloroethene

Concen: 0.604 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

Tgt Ion: 95 Resp: 1886

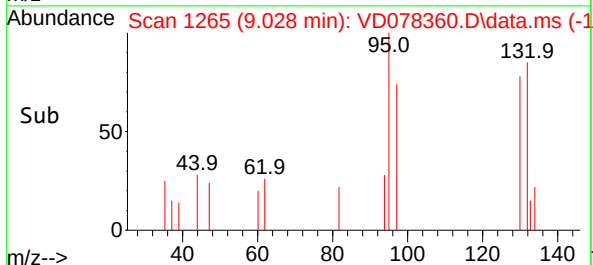
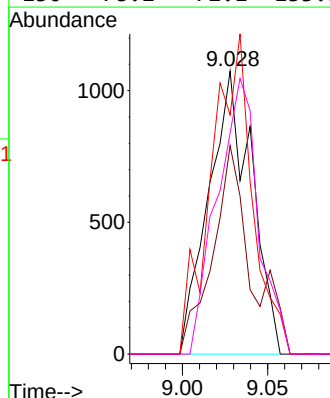
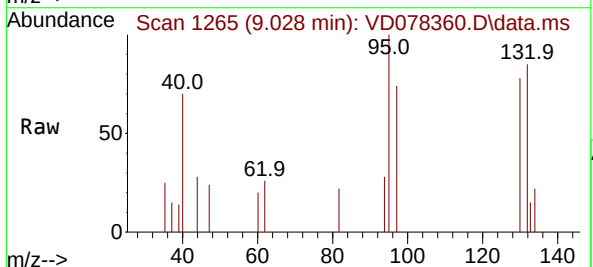
Ion Ratio Lower Upper

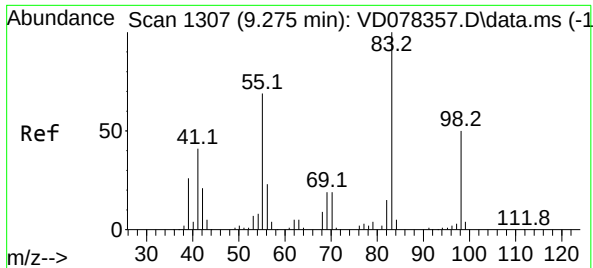
95 100

97 73.6 46.9 87.1

132 99.3 73.7 136.9

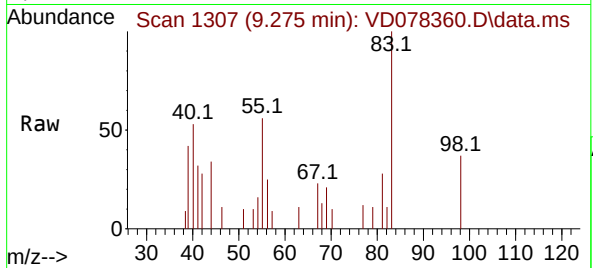
130 78.2 72.1 133.9





#35
Methylcyclohexane
Concen: 0.582 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

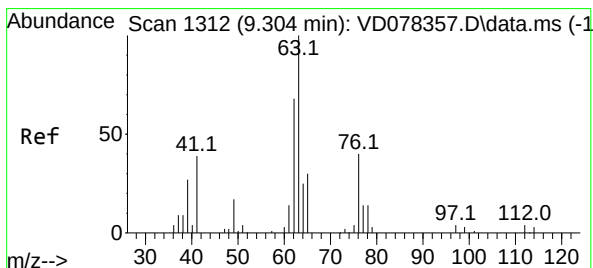
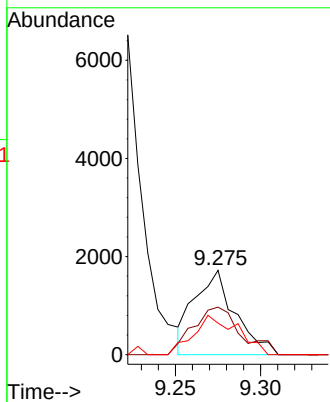
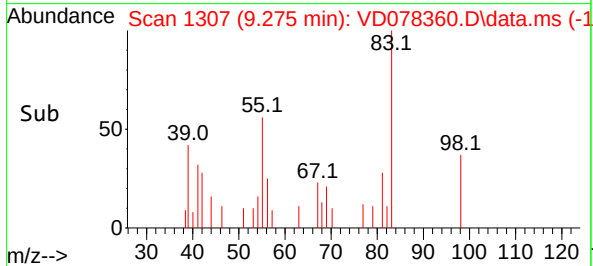
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 2840
Ion Ratio Lower Upper
83 100
55 59.0 56.2 84.4
98 36.8 41.2 61.8

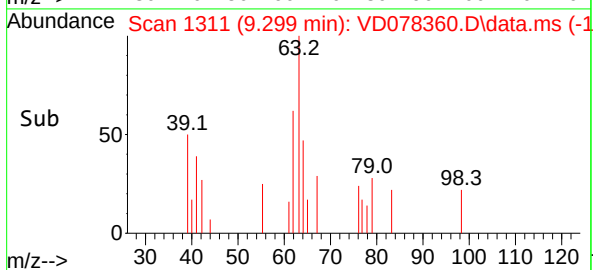
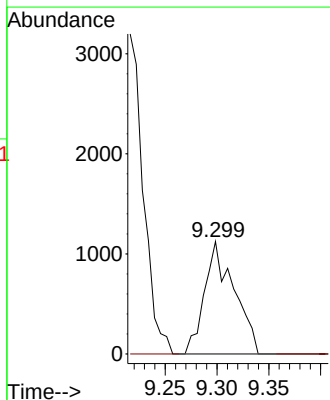
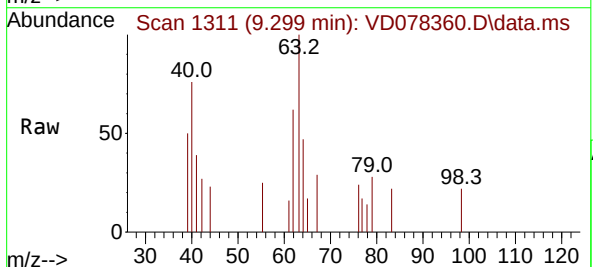
Manual Integrations
APPROVED

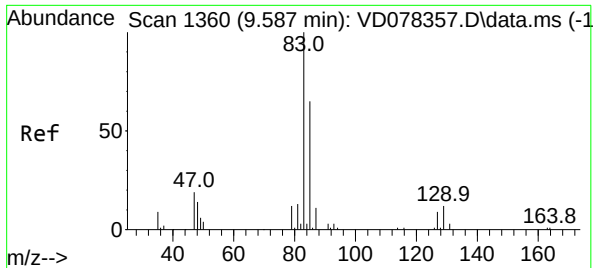
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#37
1,2-Dichloropropane
Concen: 0.685 ug/L m
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

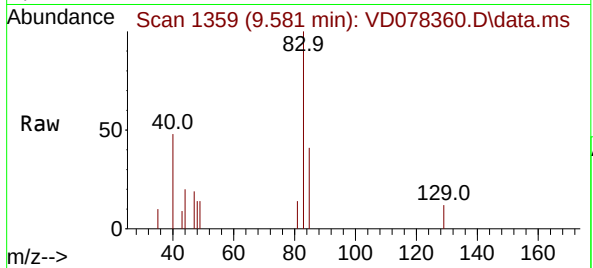
Tgt Ion: 63 Resp: 2233
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2





#38
Bromodichloromethane
Concen: 0.638 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

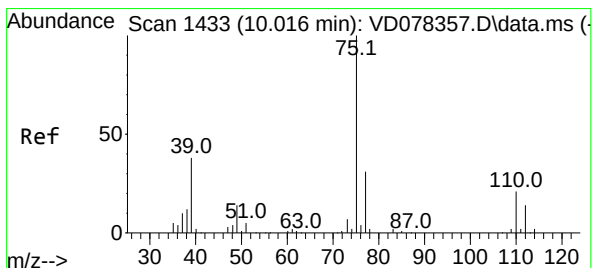
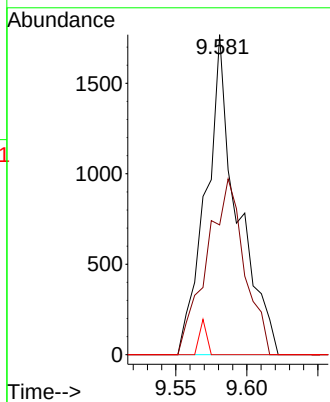
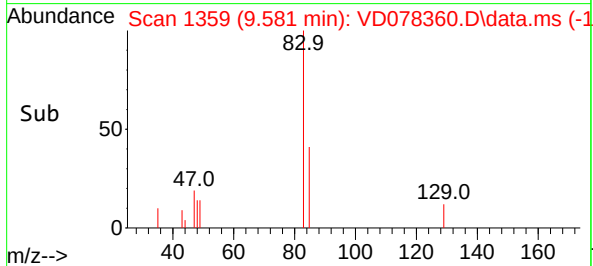
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 271
Ion Ratio Lower Upper
83 100
85 40.5 46.6 86.6
127 0.0 8.1 12.1

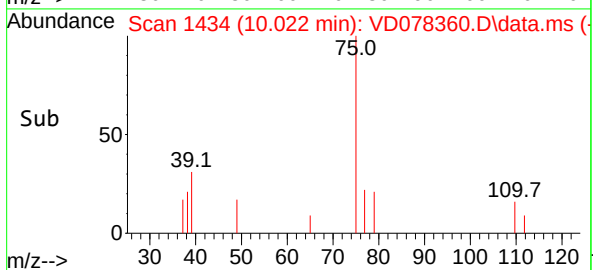
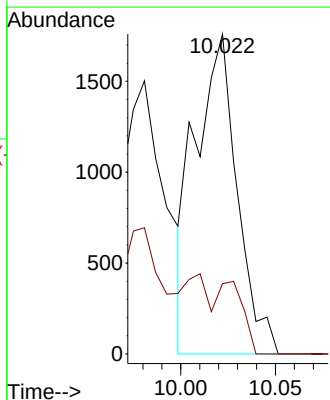
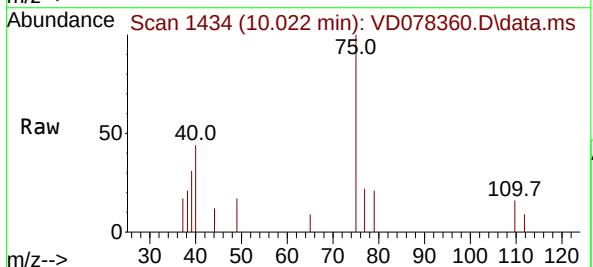
Manual Integrations
APPROVED

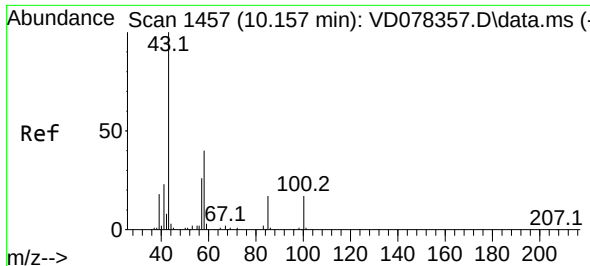
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#39
cis-1,3-Dichloropropene
Concen: 0.533 ug/L
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

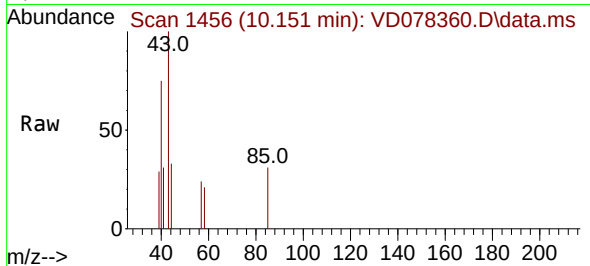
Tgt Ion: 75 Resp: 2703
Ion Ratio Lower Upper
75 100
77 21.9 22.3 41.5





#40
4-Methyl-2-pentanone
Concen: 0.869 ug/L
RT: 10.151 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

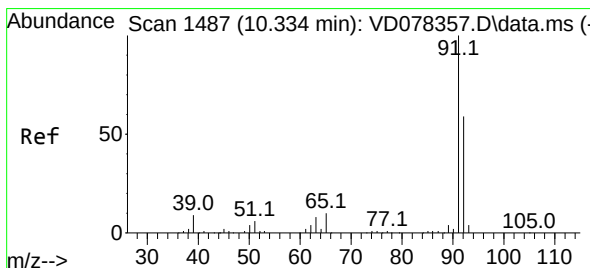
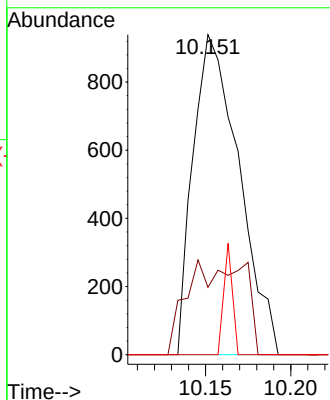
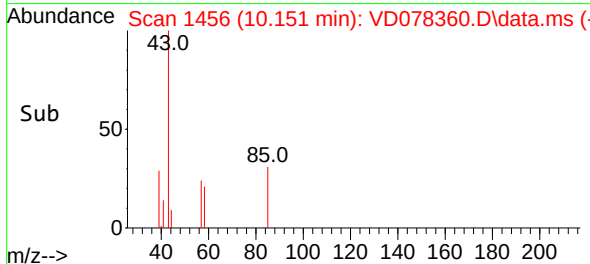
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 9.7 34.0 51.0
100 0.0 13.2 19.8

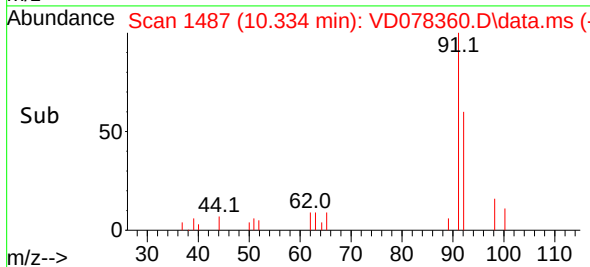
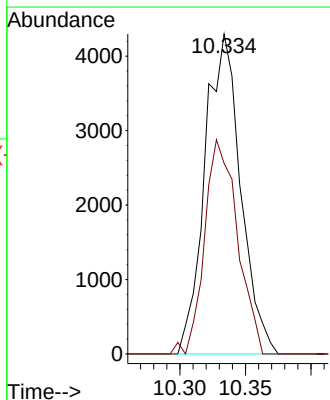
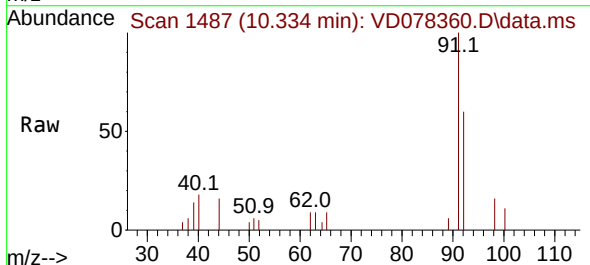
Manual Integrations
APPROVED

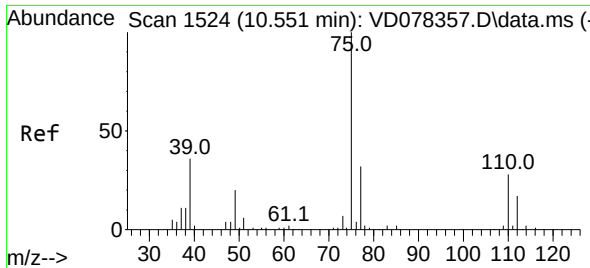
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#42
Toluene
Concen: 0.633 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

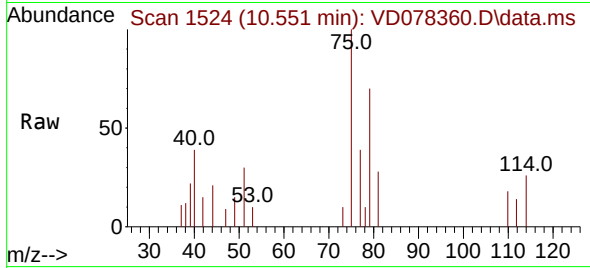
Tgt Ion: 91 Resp: 8151
Ion Ratio Lower Upper
91 100
92 59.6 39.5 73.4





#44
trans-1,3-Dichloropropene
Concen: 0.610 ug/L m
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

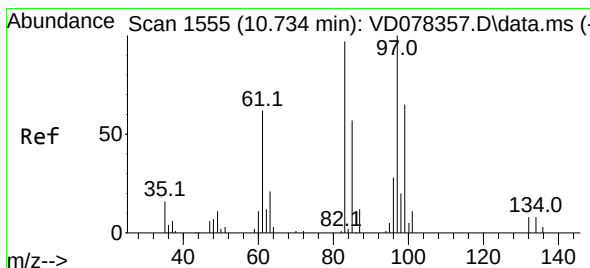
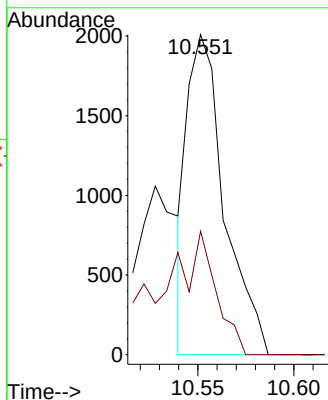
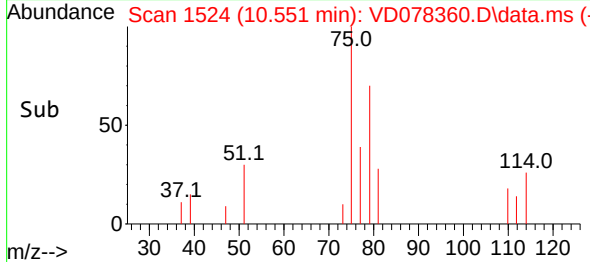
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 75 Resp: 270
Ion Ratio Lower Upper
75 100
77 38.6 20.7 38.5

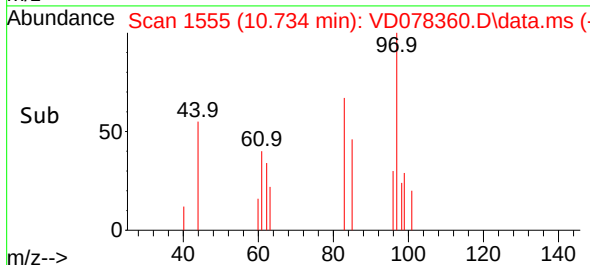
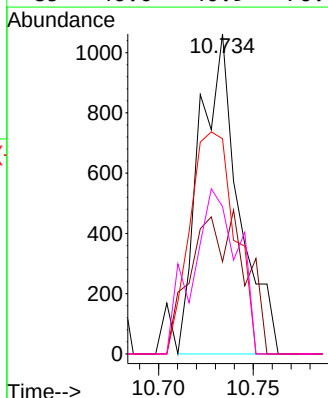
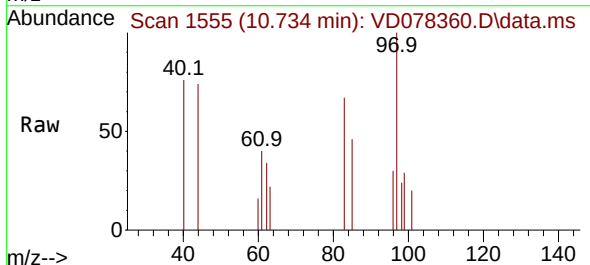
Manual Integrations
APPROVED

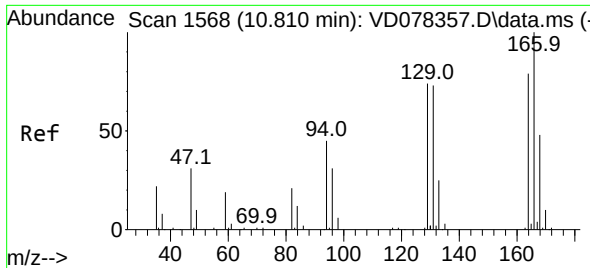
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#45
1,1,2-Trichloroethane
Concen: 0.591 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

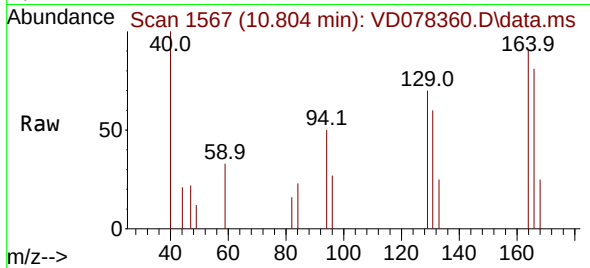
Tgt Ion: 97 Resp: 1536
Ion Ratio Lower Upper
97 100
99 28.8 45.4 84.4#
83 67.2 59.5 110.5
85 46.0 40.9 76.0





#46
Tetrachloroethene
Concen: 0.709 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

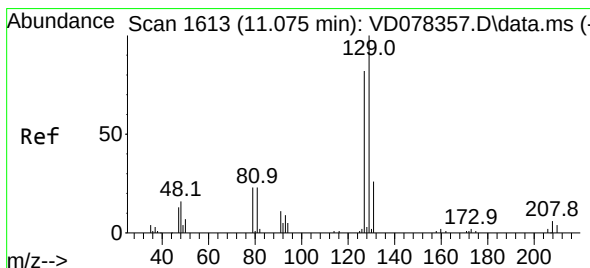
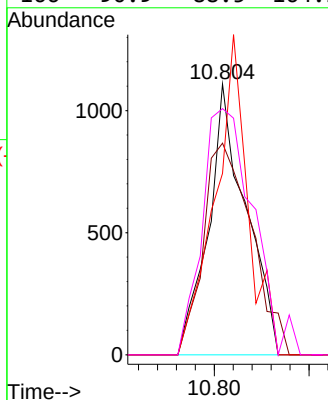
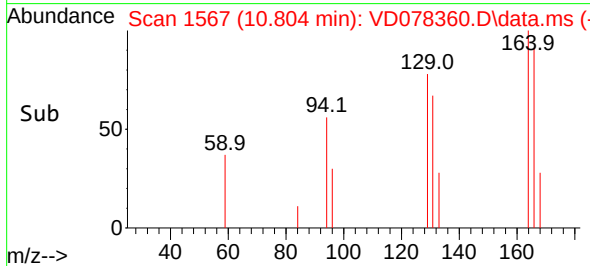
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:164 Resp: 1520
Ion Ratio Lower Upper
164 100
129 78.2 66.7 123.9
131 67.0 65.2 121.0
166 90.9 88.5 164.3

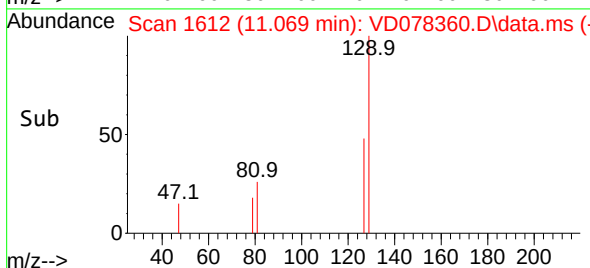
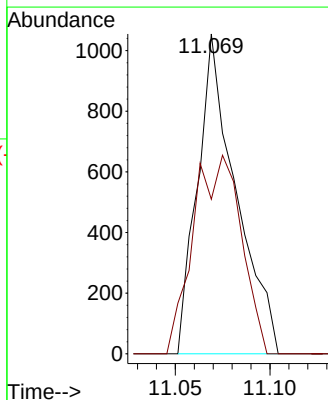
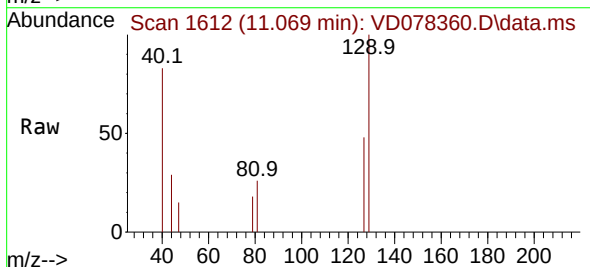
Manual Integrations
APPROVED

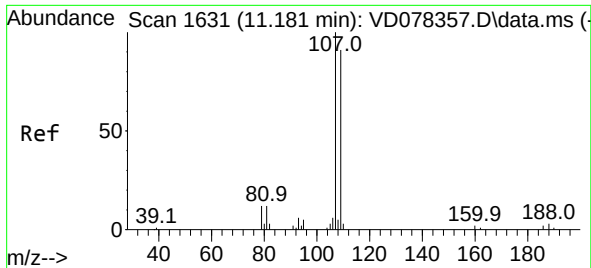
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#49
Dibromochloromethane
Concen: 0.509 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

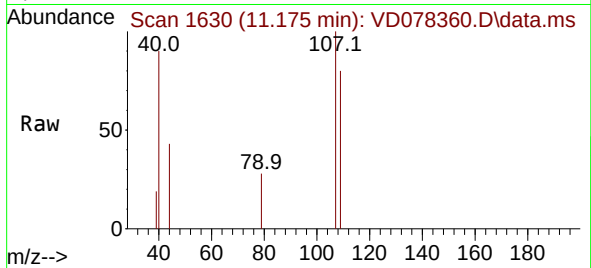
Tgt Ion:129 Resp: 1485
Ion Ratio Lower Upper
129 100
127 48.3 52.7 97.9#





#50
1,2-Dibromoethane
Concen: 0.489 ug/L m
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

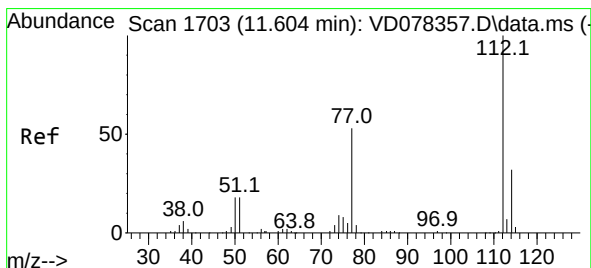
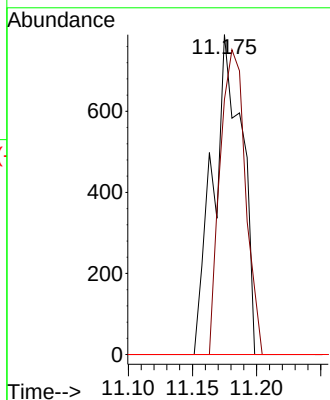
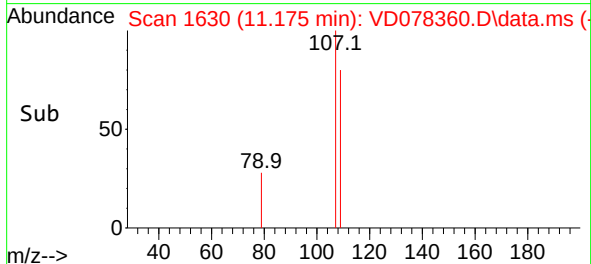
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:107 Resp: 1238
Ion Ratio Lower Upper
107 100
109 79.7 64.0 118.8
188 0.0 3.1 4.7

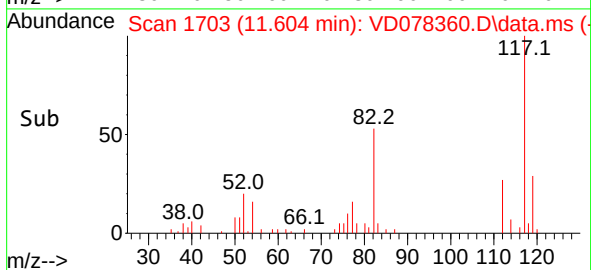
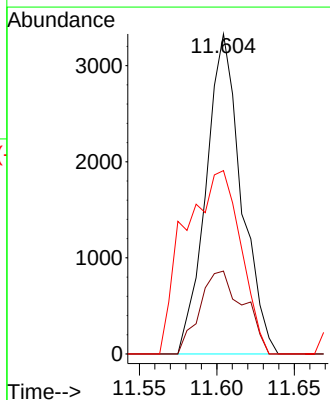
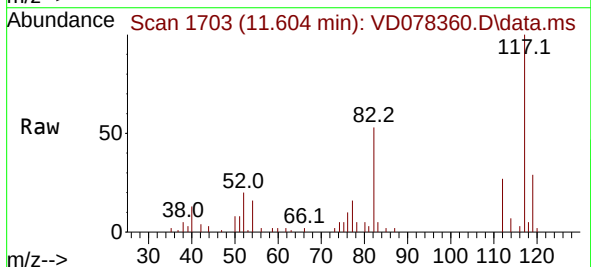
Manual Integrations
APPROVED

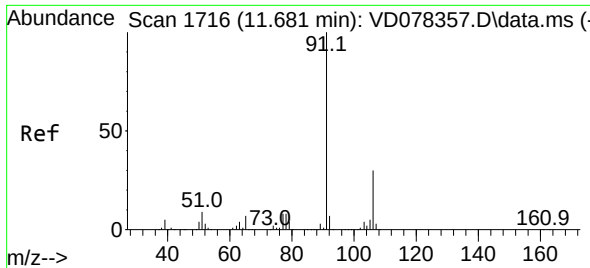
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#51
Chlorobenzene
Concen: 0.635 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

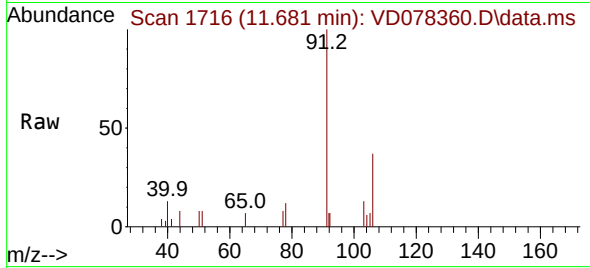
Tgt Ion:112 Resp: 5289
Ion Ratio Lower Upper
112 100
114 25.9 22.3 41.3
77 57.3 42.3 63.5





#52
Ethylbenzene
Concen: 0.586 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

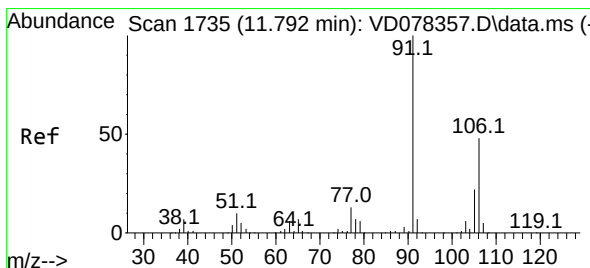
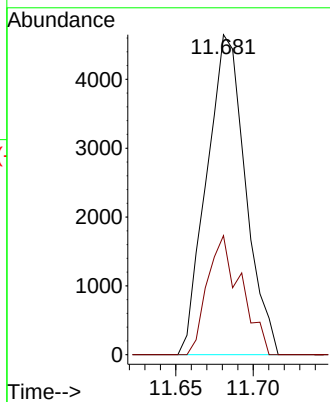
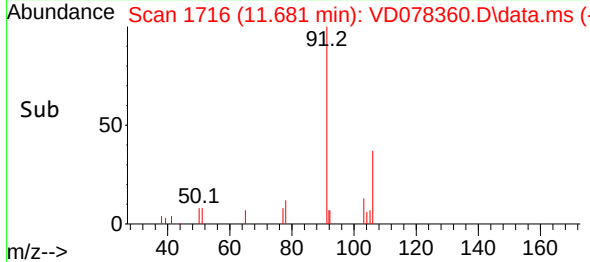
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



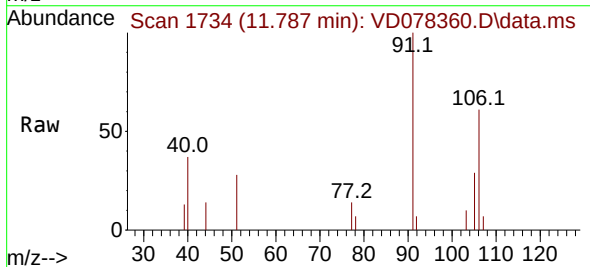
Tgt Ion: 91 Resp: 809
Ion Ratio Lower Upper
91 100
106 37.2 22.5 41.7

Manual Integrations
APPROVED

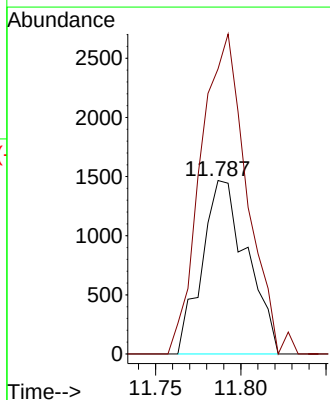
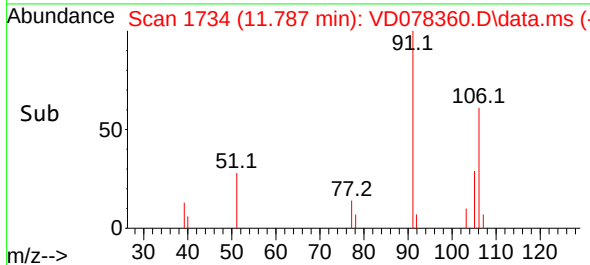
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

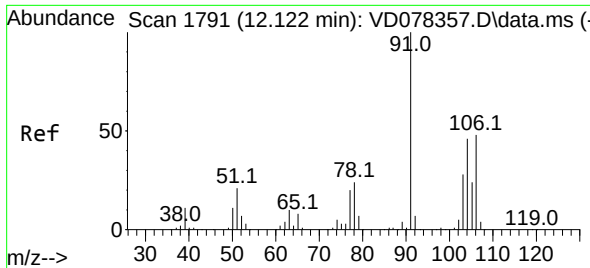


#53
m,p-Xylene
Concen: 0.508 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



Tgt Ion:106 Resp: 2699
Ion Ratio Lower Upper
106 100
91 164.3 138.3 256.8





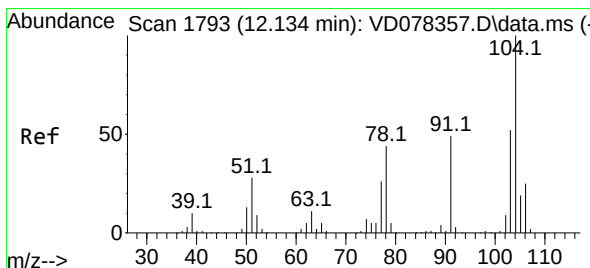
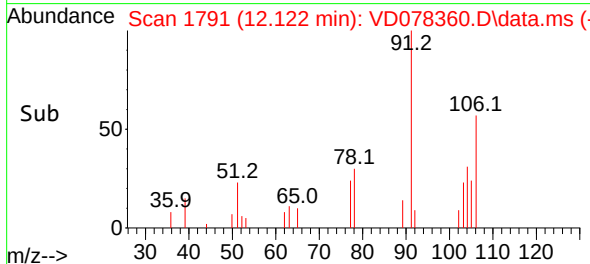
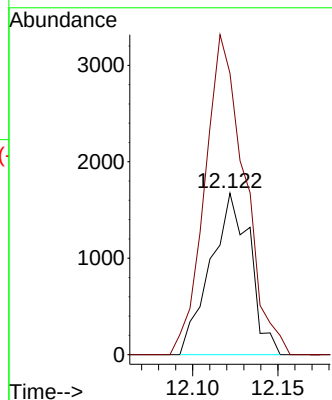
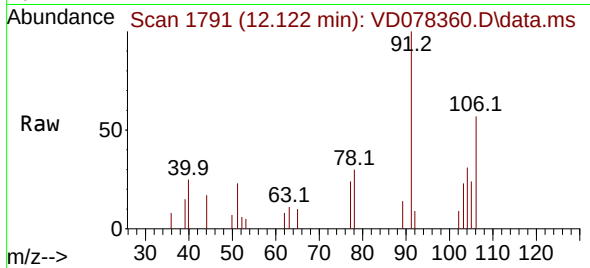
#54
o-Xylene
Concen: 0.527 ug/L
RT: 12.122 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

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

Tgt Ion:106 Resp: 2700
Ion Ratio Lower Upper
106 100
91 174.4 148.0 274.8

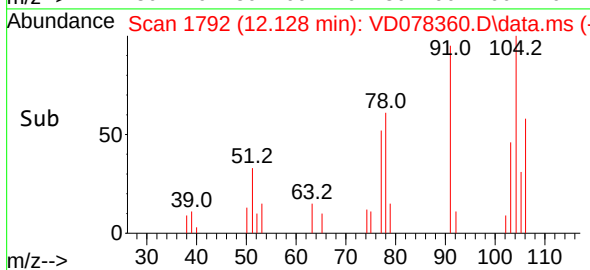
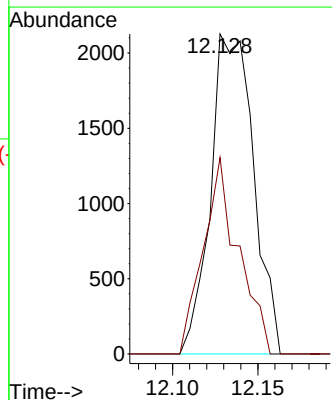
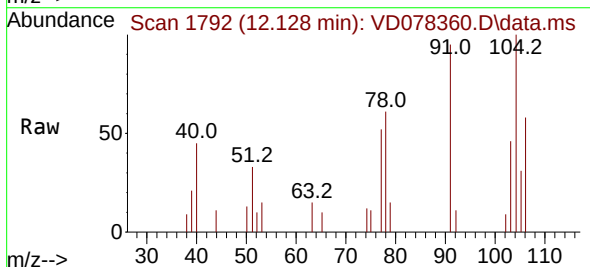
Manual Integrations
APPROVED

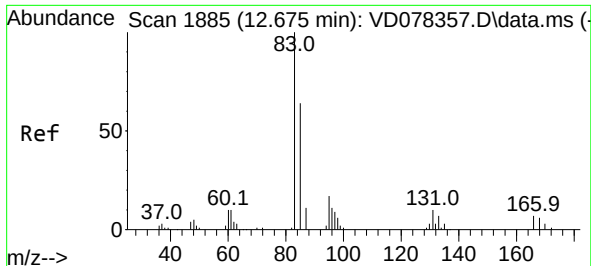
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#55
Styrene
Concen: 0.402 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

Tgt Ion:104 Resp: 3715
Ion Ratio Lower Upper
104 100
78 61.4 29.5 54.7#





#57

1,1,2,2-Tetrachloroethane

Concen: 0.555 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

Instrument :

MSVOA_D

ClientSampleId :

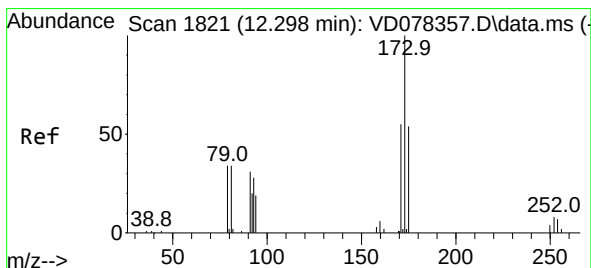
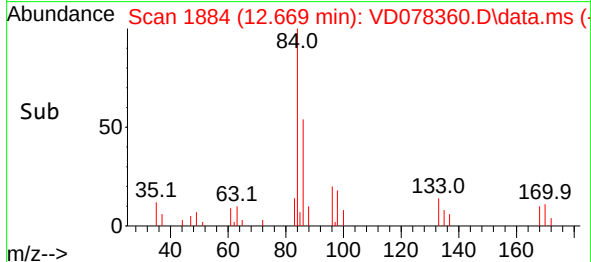
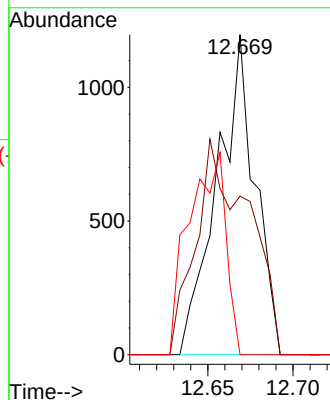
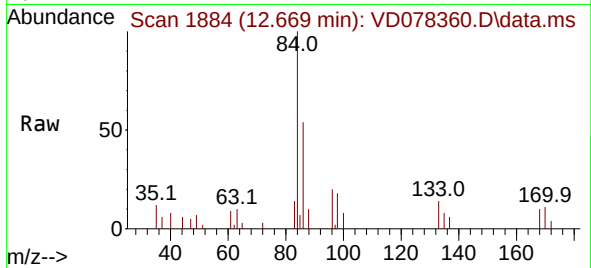
MDL-SOIL-QT4-2023-07

Tgt Ion: 83	Resp: 184
Ion Ratio	Lower Upper
83 100	
85 49.5	42.6 79.0
131 0.0	6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#59

Bromoform

Concen: 0.522 ug/L

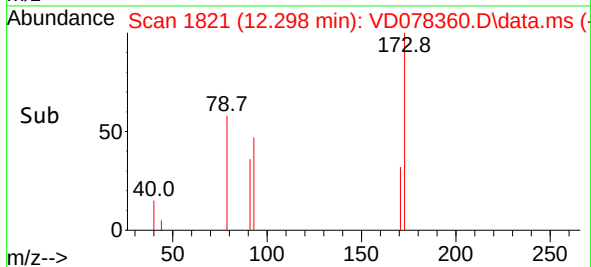
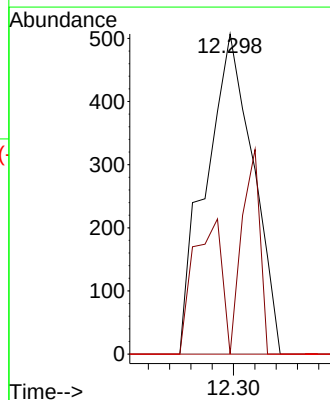
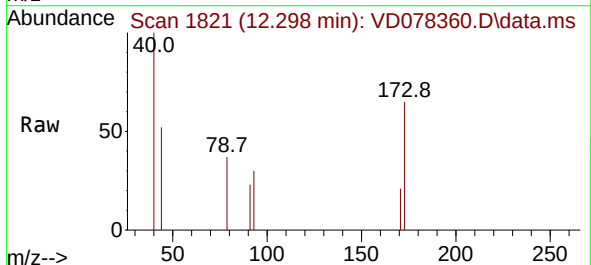
RT: 12.298 min Scan# 1821

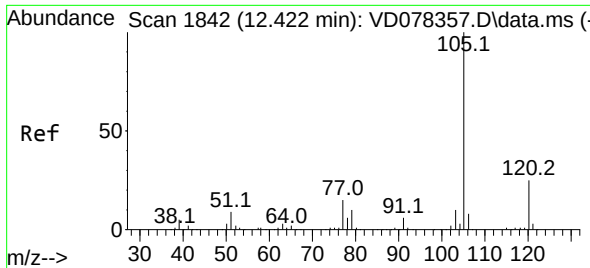
Delta R.T. 0.000 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

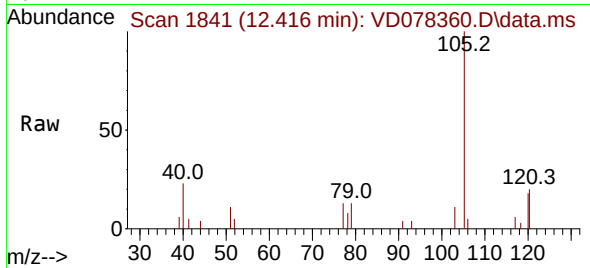
Tgt Ion:173	Resp: 780
Ion Ratio	Lower Upper
173 100	
175 25.3	40.2 60.4#
254 0.0	6.6 9.8#





#60
Isopropylbenzene
Concen: 0.579 ug/L
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

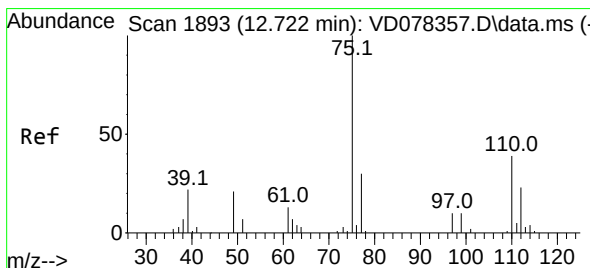
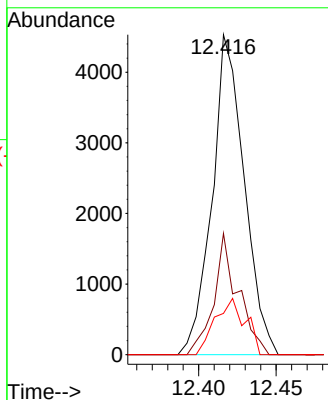
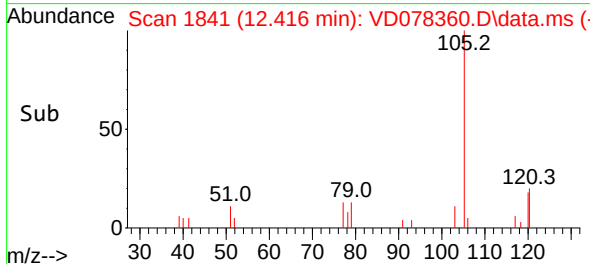
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:105 Resp: 6520
Ion Ratio Lower Upper
105 100
120 28.7 20.4 30.6
77 16.6 12.4 18.6

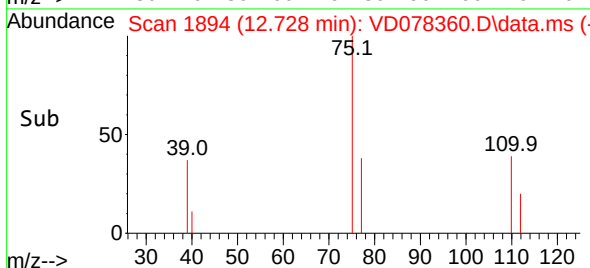
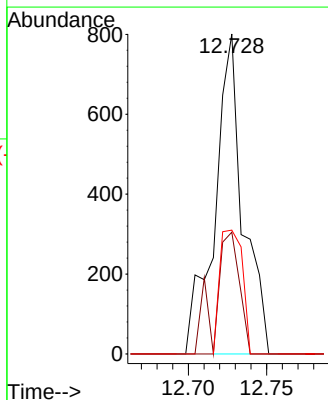
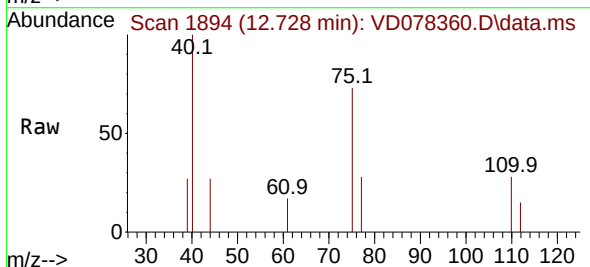
Manual Integrations
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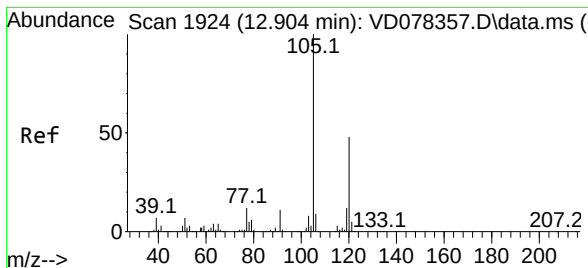
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#61
1,2,3-Trichloropropane
Concen: 0.531 ug/L m
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

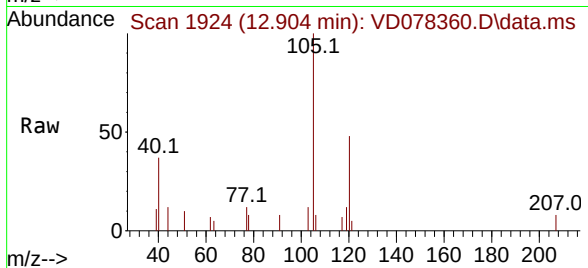
Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
77 25.9 26.5 39.7#
110 30.9 31.8 47.8#





#62
1,3,5-Trimethylbenzene
Concen: 0.553 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

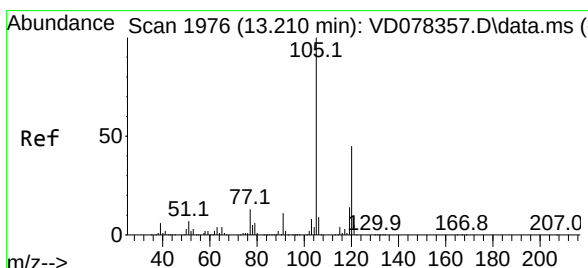
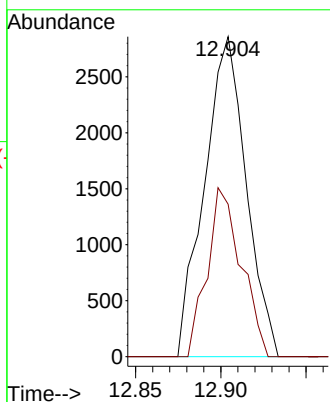
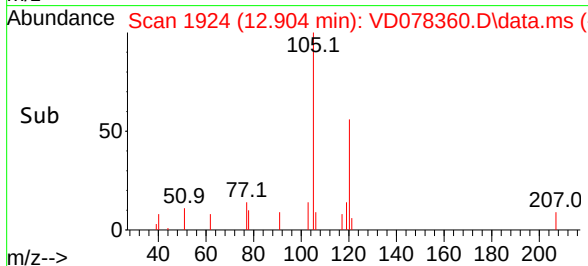
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



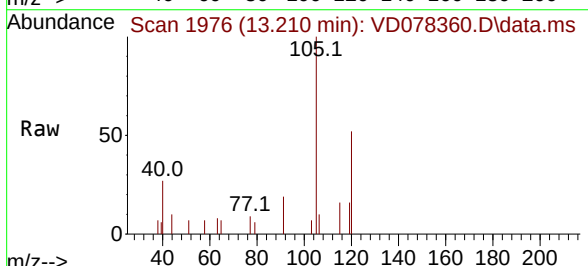
Tgt Ion:105 Resp: 487
Ion Ratio Lower Upper
105 100
120 43.1 39.5 59.3

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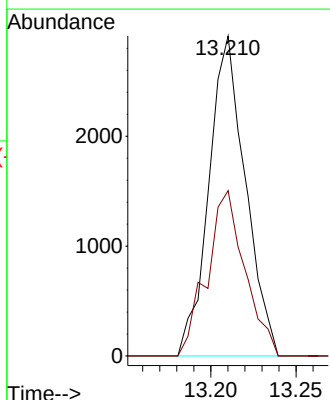
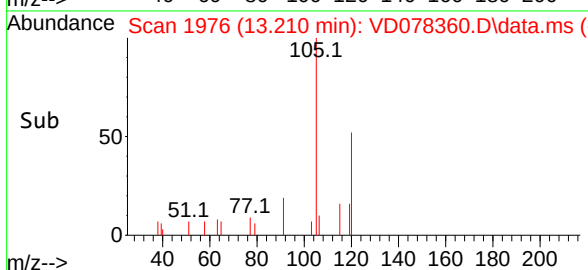
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

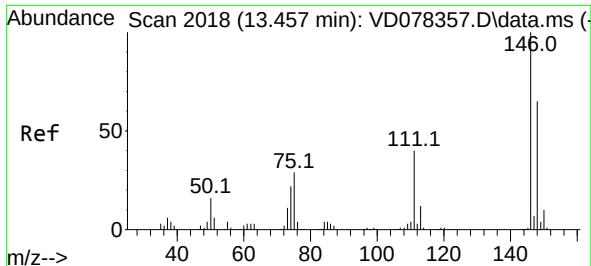


#63
1,2,4-Trimethylbenzene
Concen: 0.498 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



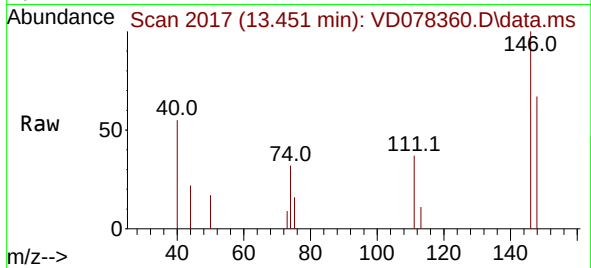
Tgt Ion:105 Resp: 4344
Ion Ratio Lower Upper
105 100
120 53.6 37.0 55.4





#64
1,3-Dichlorobenzene
Concen: 0.615 ug/L
RT: 13.451 min Scan# 2017
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

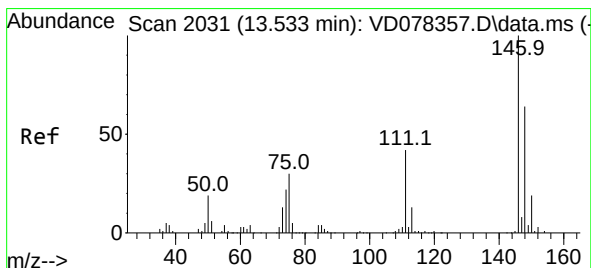
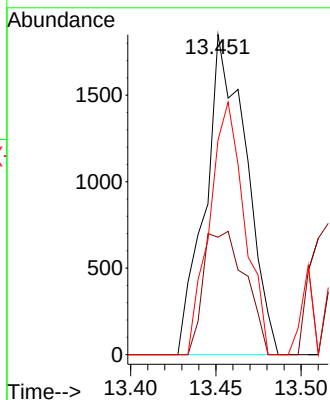
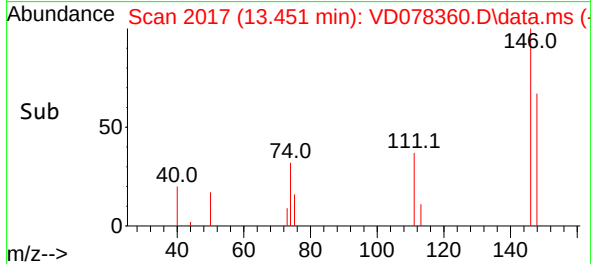
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



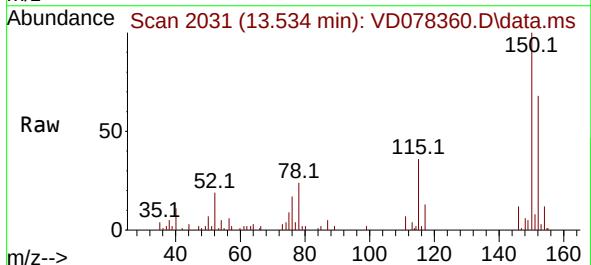
Tgt Ion:146 Resp: 309
Ion Ratio Lower Upper
146 100
111 36.7 28.6 53.0
148 67.0 46.5 86.3

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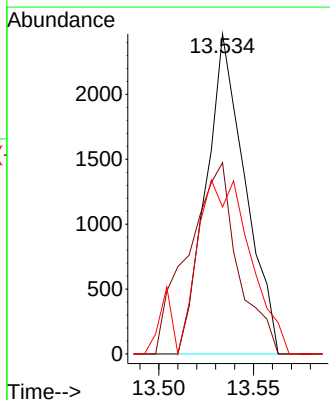
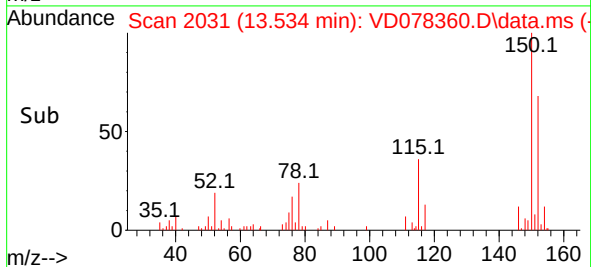
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

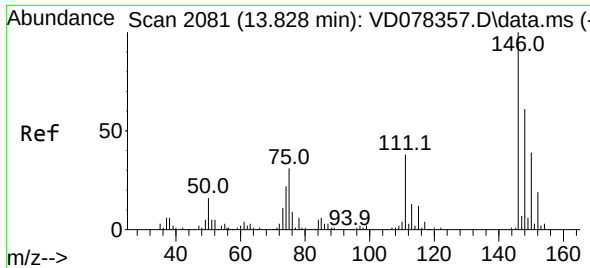


#65
1,4-Dichlorobenzene
Concen: 0.671 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



Tgt Ion:146 Resp: 3531
Ion Ratio Lower Upper
146 100
111 59.8 26.4 49.0#
148 45.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.631 ug/L

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

Instrument :

MSVOA_D

ClientSampleId :

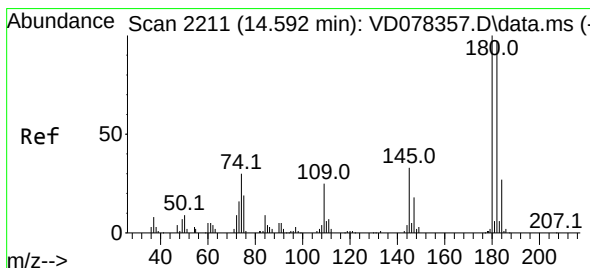
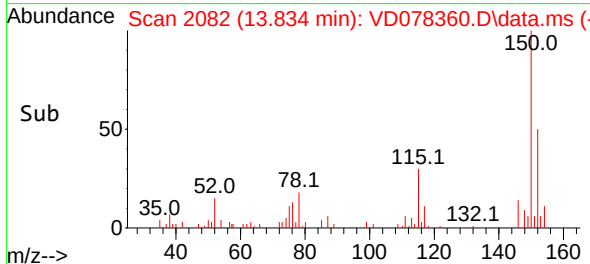
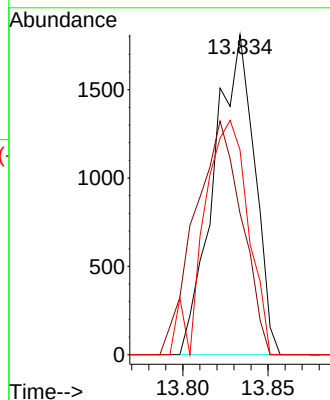
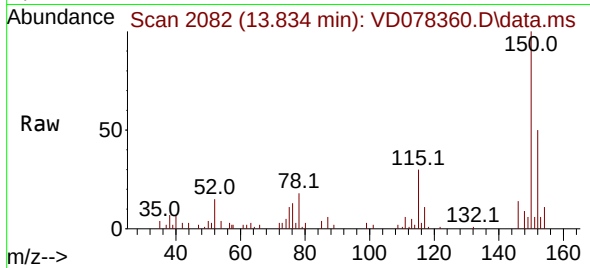
MDL-SOIL-QT4-2023-07

Tgt Ion:146 Resp: 2998
Ion Ratio Lower Upper
146 100
111 44.1 33.6 50.4
148 63.9 48.4 72.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024



#69

1,3,5-Trichlorobenzene

Concen: 0.624 ug/L m

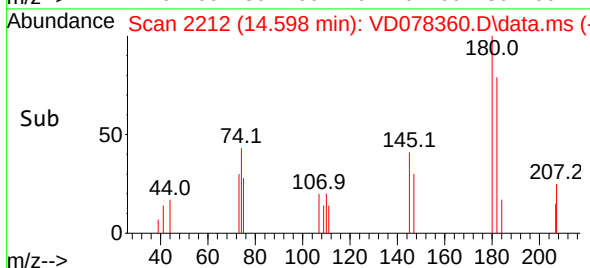
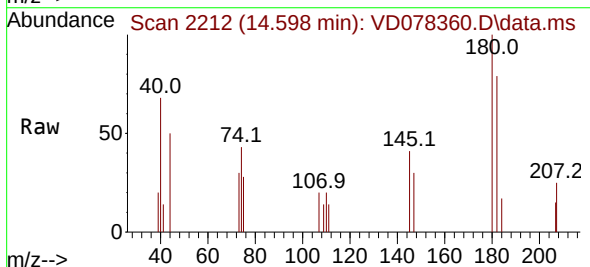
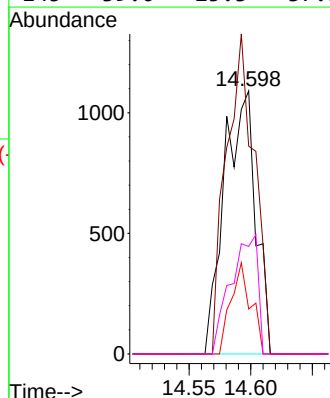
RT: 14.598 min Scan# 2212

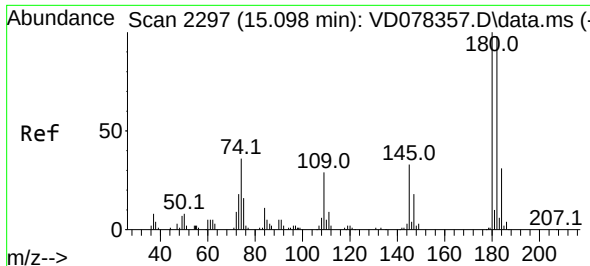
Delta R.T. 0.006 min

Lab File: VD078360.D

Acq: 07 Feb 2024 14:21

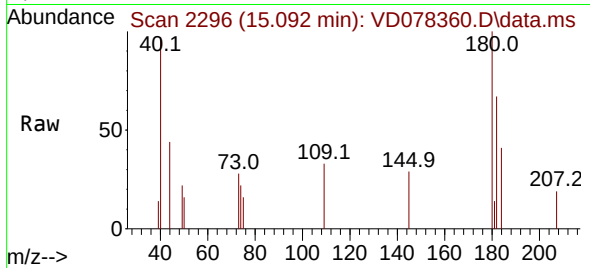
Tgt Ion:180 Resp: 1933
Ion Ratio Lower Upper
180 100
182 108.6 75.6 113.4
184 22.0 23.2 34.8#
145 39.0 25.3 37.9#





#70
1,2,4-trichlorobenzene
Concen: 0.661 ug/L
RT: 15.092 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21

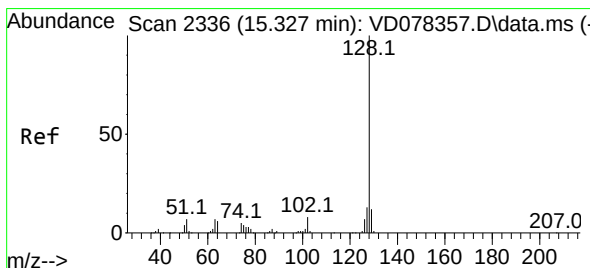
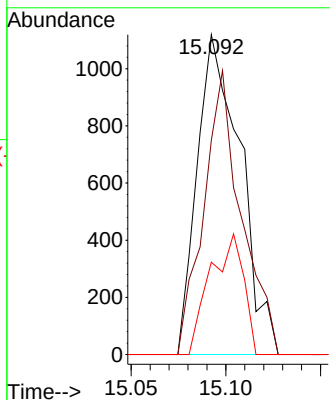
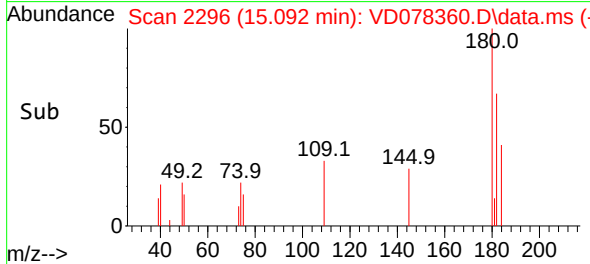
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



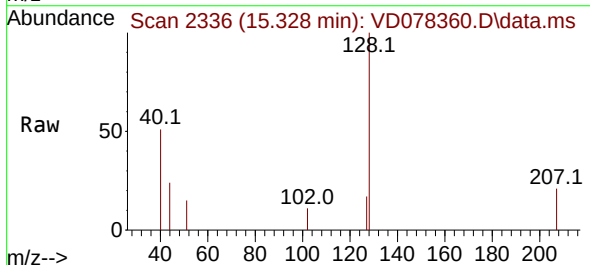
Tgt Ion:180 Resp: 1768
Ion Ratio Lower Upper
180 100
182 77.5 76.2 114.4
145 29.2 25.0 37.6

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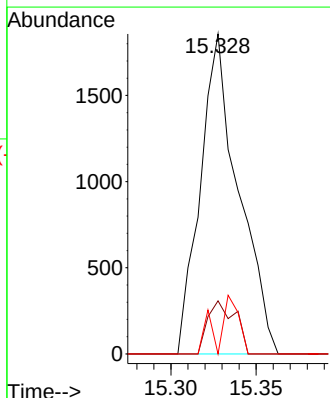
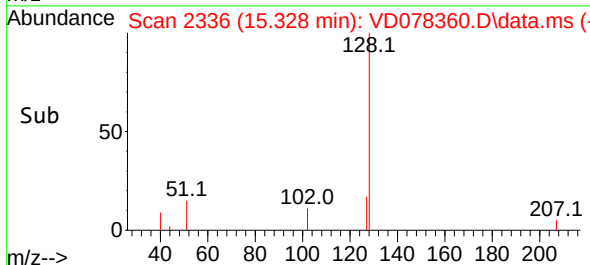
Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

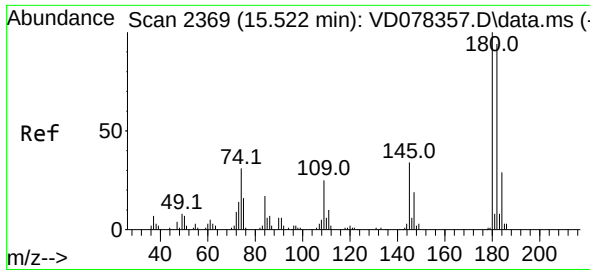


#71
Naphthalene
Concen: 0.463 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD078360.D
Acq: 07 Feb 2024 14:21



Tgt Ion:128 Resp: 2899
Ion Ratio Lower Upper
128 100
127 11.9 11.0 16.4
129 7.1 8.6 12.8#





#72

1,2,3-Trichlorobenzene

Concen: 0.526 ug/L

RT: 15.522 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078360.D

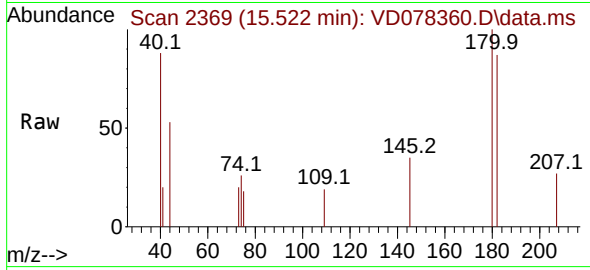
Acq: 07 Feb 2024 14:21

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 1314

Ion Ratio Lower Upper

180 100

182 113.4 75.4 113.0

145 36.9 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024

Supervised By :Semsettin Yesilyurt 02/08/2024

