

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078345.D
 Acq On : 05 Feb 2024 13:46
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 06 01:29:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 06 00:51:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	211247	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	198091	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	81113	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	101223	16.889	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.560%
7) Chloroethane-d5	2.799	69	91543	18.171	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.680%
11) 1,1-Dichloroethene-d2	3.916	65	21074	16.285	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.120%
21) 2-Butanone-d5	6.993	46	28641	32.457	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.920%
24) Chloroform-d	7.569	84	110032	18.269	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.080%
26) 1,2-Dichloroethane-d4	8.234	65	56659	17.431	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	69.720%#
32) Benzene-d6	8.204	84	219207	18.925	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.720%
36) 1,2-Dichloropropane-d6	9.204	67	70375	19.736	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.960%
41) Toluene-d8	10.269	98	183208	17.610	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.440%
43) trans-1,3-Dichloroprop...	10.528	79	26869	16.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.520%
47) 2-Hexanone-d5	10.875	63	23232	32.111	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.220%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	57292	17.290	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	69.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	60673	20.894	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3028	0.727	ug/L	98
3) Chloromethane	2.146	50	4900	0.809	ug/L	85
5) Vinyl chloride	2.281	62	5805	0.775	ug/L #	64
6) Bromomethane	2.693	94	2692	0.793	ug/L	96
8) Chloroethane	2.840	64	3569	0.748	ug/L	86
9) Trichlorofluoromethane	3.175	101	3864m	0.726	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	2522	0.761	ug/L #	50
12) 1,1-Dichloroethene	3.940	96	2795m	0.912	ug/L	
14) Carbon disulfide	4.275	76	7922m	0.701	ug/L	
15) Methyl Acetate	4.587	43	756m	0.435	ug/L	
16) Methylene chloride	4.811	84	7553	1.823	ug/L	93
17) trans-1,2-Dichloroethene	5.305	96	2488m	0.736	ug/L	
18) Methyl tert-butyl Ether	5.328	73	3459m	0.440	ug/L	
19) 1,1-Dichloroethane	6.122	63	4033m	0.682	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2419m	0.653	ug/L	
22) 2-Butanone	7.075	43	1526m	1.088	ug/L	
23) Bromochloromethane	7.422	128	1076m	0.658	ug/L	
25) Chloroform	7.593	83	11072m	1.716	ug/L	
27) 1,2-Dichloroethane	8.322	62	2635	0.636	ug/L #	69

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.881	56	3152m	0.704	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	4081m	0.840	ug/L	
31) Carbon tetrachloride	7.993	117	3284	0.768	ug/L	86
33) Benzene	8.257	78	9803	0.734	ug/L	100
34) Trichloroethene	9.034	95	2327m	0.690	ug/L	
35) Methylcyclohexane	9.281	83	3696	0.701	ug/L	95
37) 1,2-Dichloropropane	9.304	63	2379	0.676	ug/L #	87
38) Bromodichloromethane	9.581	83	3356	0.731	ug/L #	60
39) cis-1,3-Dichloropropene	10.022	75	3746	0.684	ug/L	95
40) 4-Methyl-2-pentanone	10.157	43	2108	0.965	ug/L #	84
42) Toluene	10.334	91	9525	0.686	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	3749m	0.783	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	1917	0.684	ug/L #	87
46) Tetrachloroethene	10.804	164	1866m	0.806	ug/L	
48) 2-Hexanone	10.928	43	1975	1.108	ug/L #	68
49) Dibromochloromethane	11.069	129	2028	0.644	ug/L	98
50) 1,2-Dibromoethane	11.181	107	1571	0.574	ug/L #	84
51) Chlorobenzene	11.610	112	6212	0.691	ug/L #	89
52) Ethylbenzene	11.687	91	9139	0.613	ug/L	98
53) m,p-Xylene	11.787	106	3452	0.602	ug/L	88
54) o-Xylene	12.116	106	2781	0.503	ug/L	99
55) Styrene	12.134	104	4988	0.500	ug/L #	79
57) 1,1,2,2-Tetrachloroethane	12.669	83	2437	0.678	ug/L #	89
59) Bromoform	12.310	173	983m	0.604	ug/L	
60) Isopropylbenzene	12.422	105	7782	0.635	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	1428	0.690	ug/L #	66
62) 1,3,5-Trimethylbenzene	12.904	105	5754	0.600	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	5808	0.612	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	4155	0.760	ug/L	88
65) 1,4-Dichlorobenzene	13.545	146	4367	0.763	ug/L #	80
67) 1,2-Dichlorobenzene	13.839	146	4452	0.861	ug/L #	88
69) 1,3,5-Trichlorobenzene	14.598	180	2729	0.810	ug/L #	88
70) 1,2,4-trichlorobenzene	15.104	180	1855	0.637	ug/L #	82
71) Naphthalene	15.328	128	4009	0.588	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.522	180	1827m	0.672	ug/L	

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

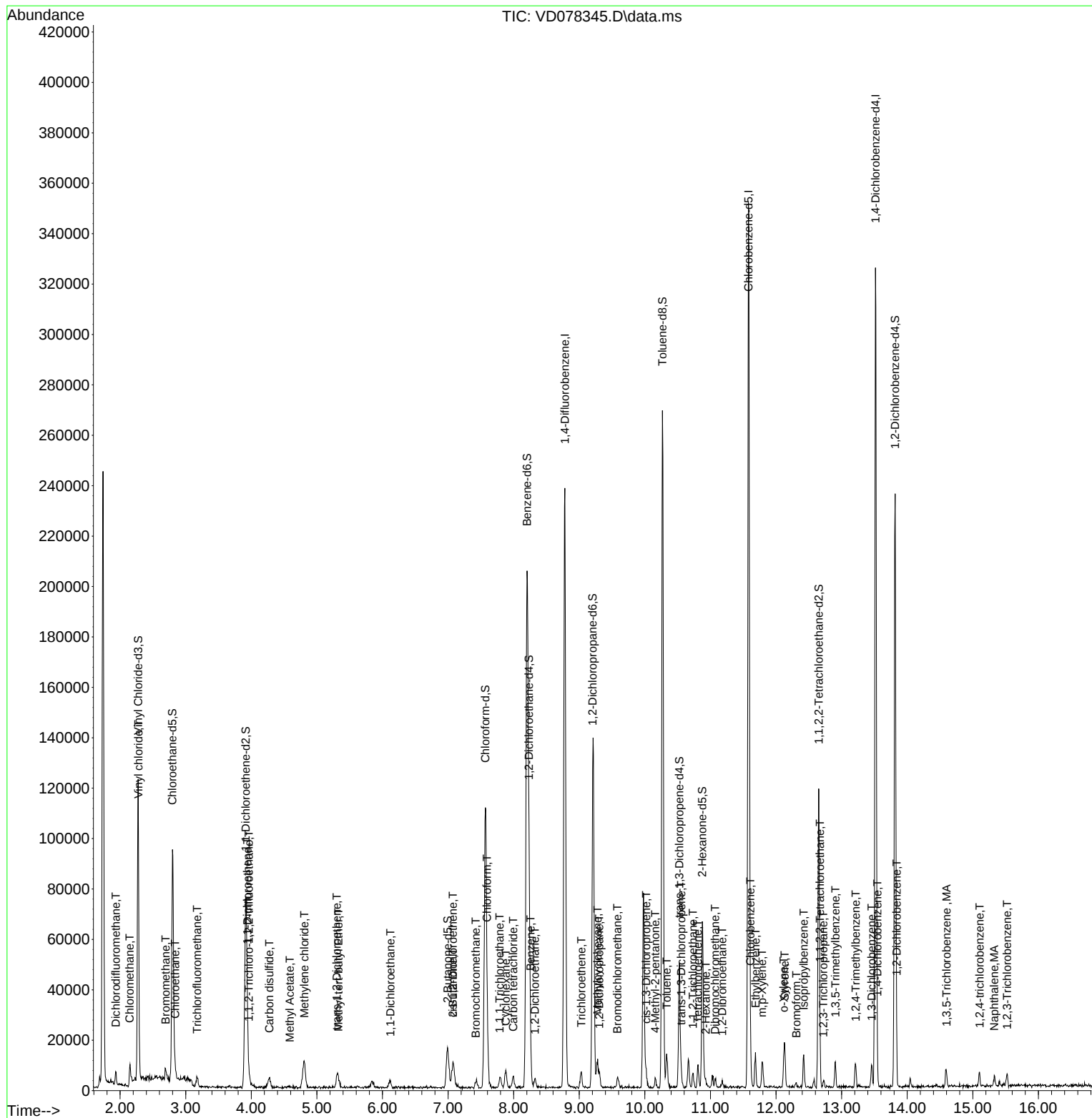
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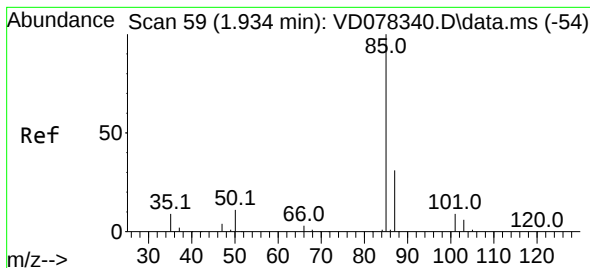
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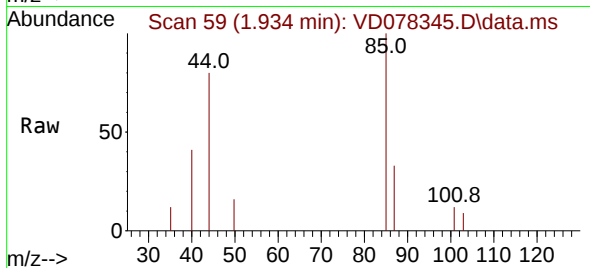
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024





#2
Dichlorodifluoromethane
Concen: 0.727 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

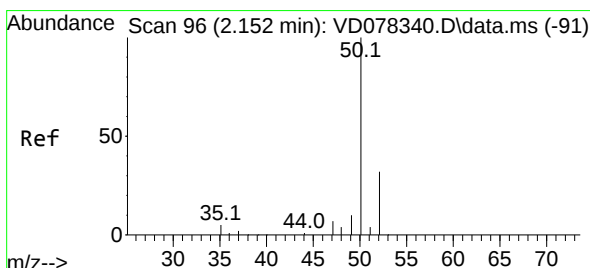
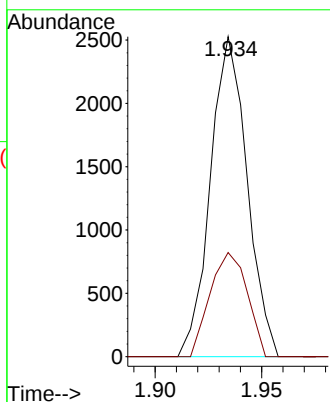
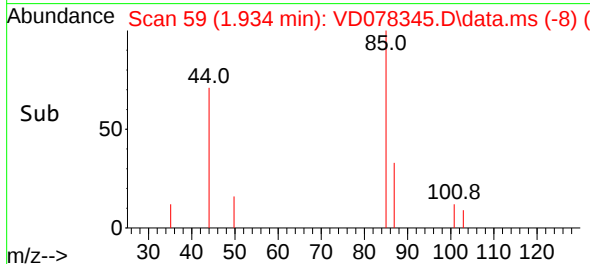
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



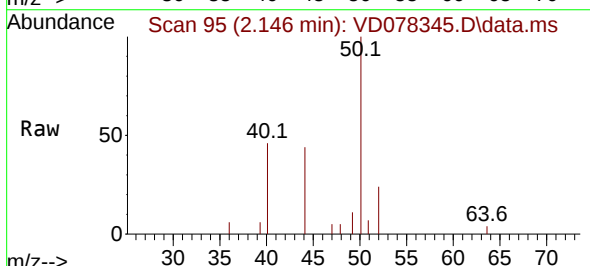
Tgt Ion: 85 Resp: 3028
Ion Ratio Lower Upper
85 100
87 32.9 25.3 37.9

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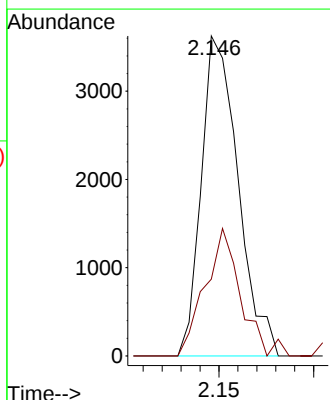
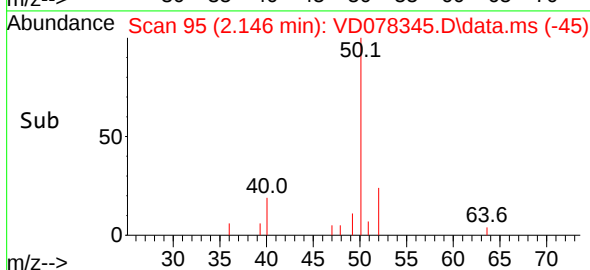
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

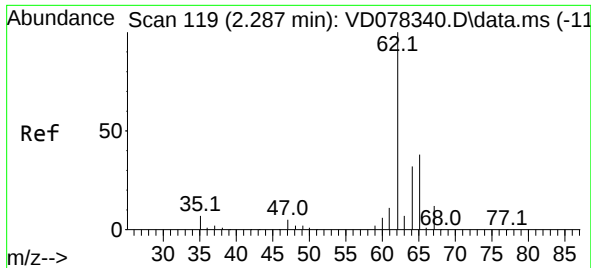


#3
Chloromethane
Concen: 0.809 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



Tgt Ion: 50 Resp: 4900
Ion Ratio Lower Upper
50 100
52 24.0 22.7 42.3





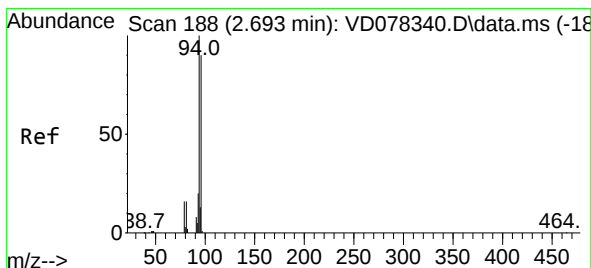
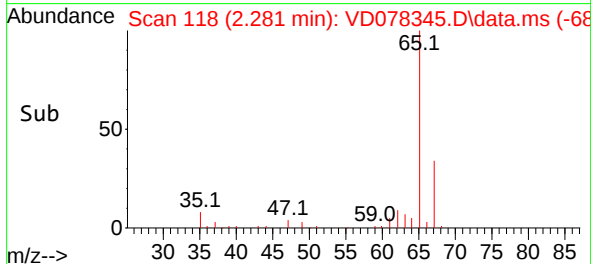
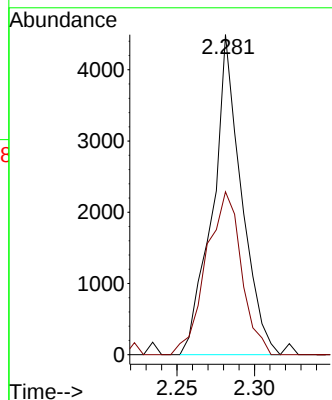
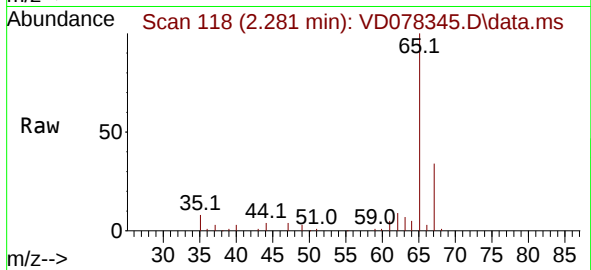
#5
Vinyl chloride
Concen: 0.775 ug/L
RT: 2.281 min Scan# 119
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 62 Resp: 580
Ion Ratio Lower Upper
62 100
64 50.9 21.7 40.3

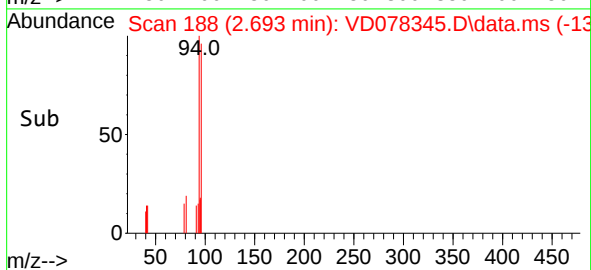
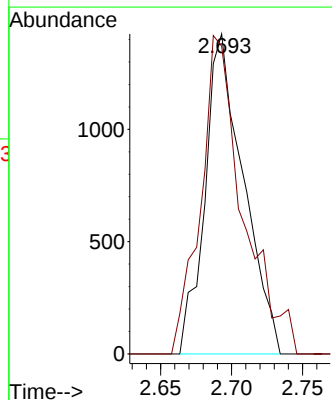
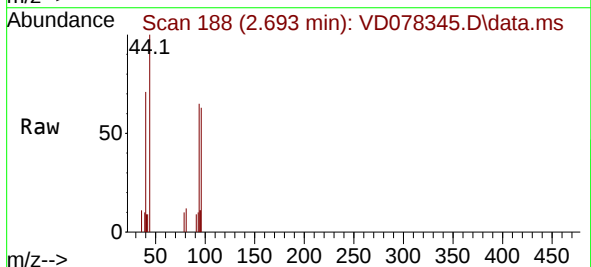
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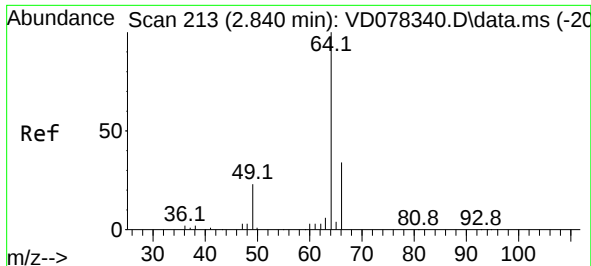
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#6
Bromomethane
Concen: 0.793 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 94 Resp: 2692
Ion Ratio Lower Upper
94 100
96 96.2 64.8 120.4





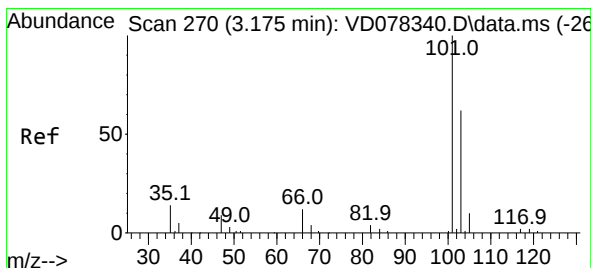
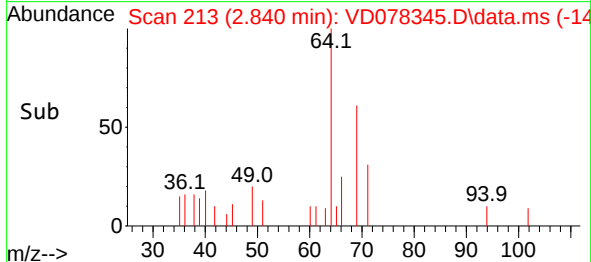
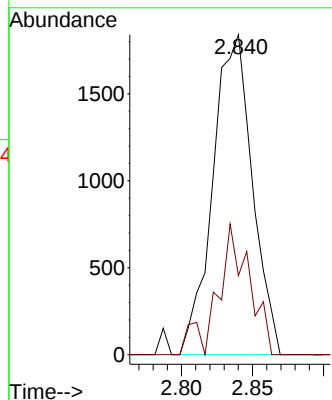
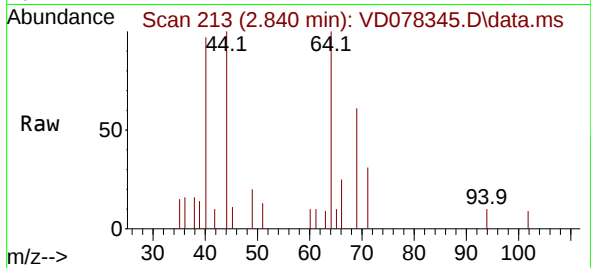
#8
Chloroethane
Concen: 0.748 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 64 Resp: 3569
Ion Ratio Lower Upper
64 100
66 24.7 22.8 42.4

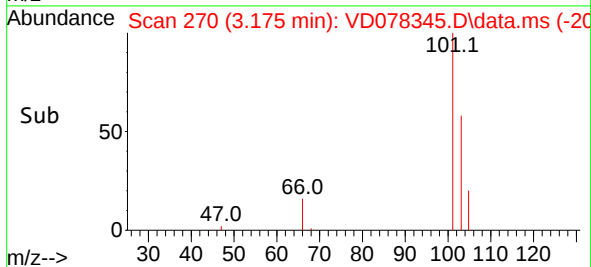
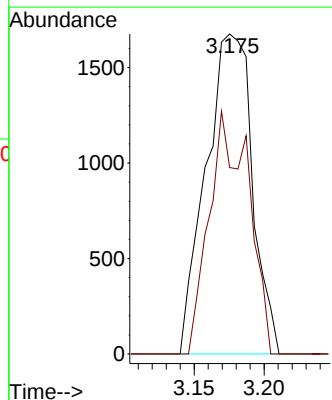
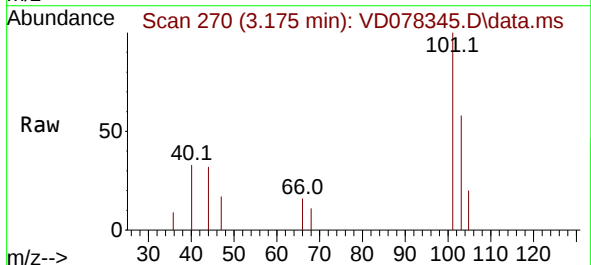
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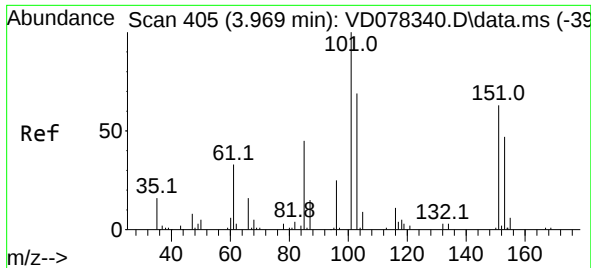
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#9
Trichlorofluoromethane
Concen: 0.726 ug/L m
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion:101 Resp: 3864
Ion Ratio Lower Upper
101 100
103 45.1 51.1 76.7#





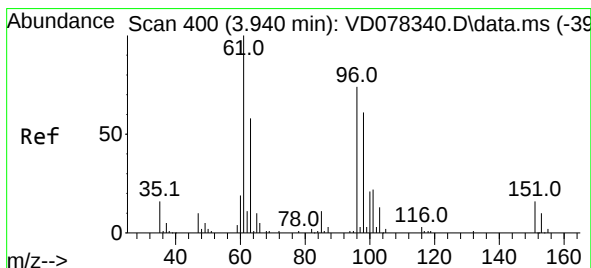
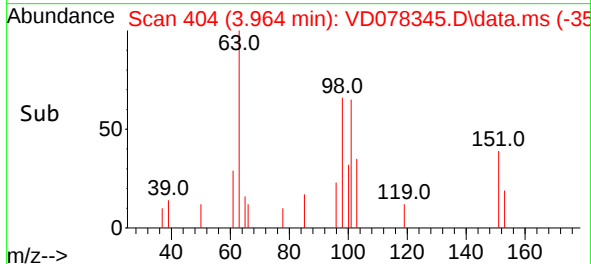
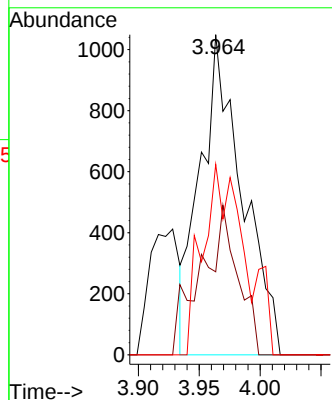
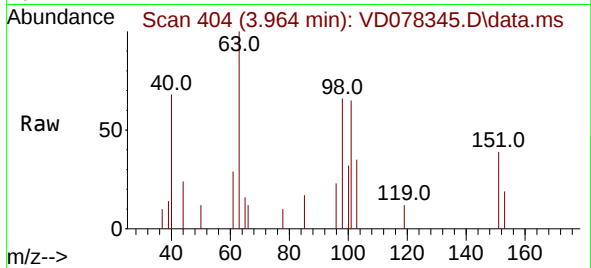
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.761 ug/L
RT: 3.964 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Instrument :
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Tgt Ion: 101 Resp: 252
Ion Ratio Lower Upper
101 100
85 20.5 34.6 51.8
151 20.4 54.6 81.8

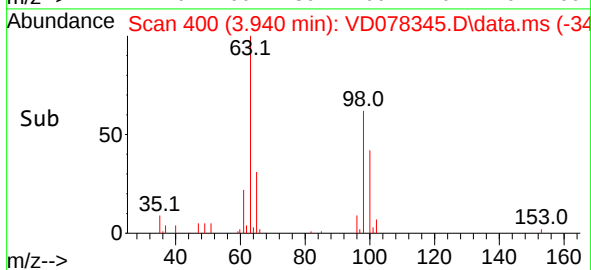
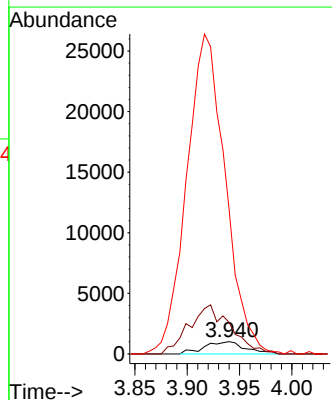
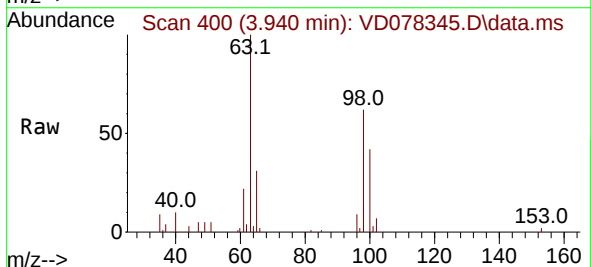
Manual Integrations
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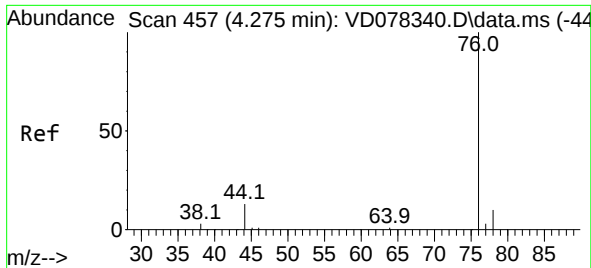
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#12
1,1-Dichloroethene
Concen: 0.912 ug/L m
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

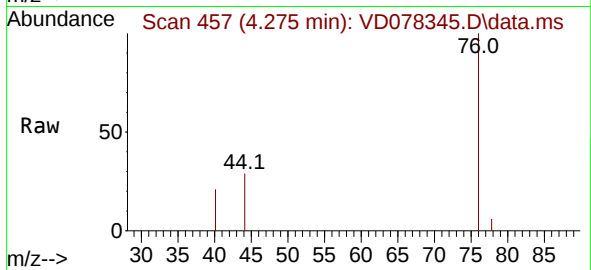
Tgt Ion: 96 Resp: 2795
Ion Ratio Lower Upper
96 100
61 257.9 108.8 202.2#
63 1175.1 65.2 121.0#





#14
Carbon disulfide
Concen: 0.701 ug/L m
RT: 4.275 min Scan# 4
Delta R.T. 0.000 min
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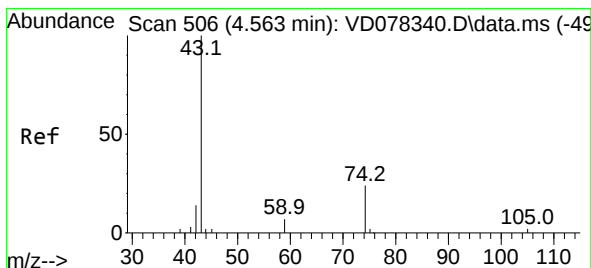
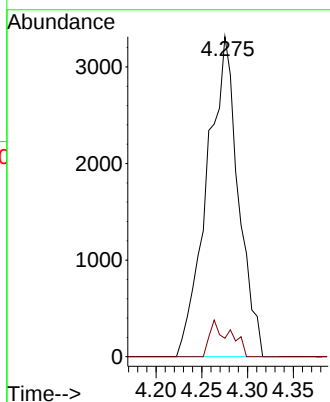
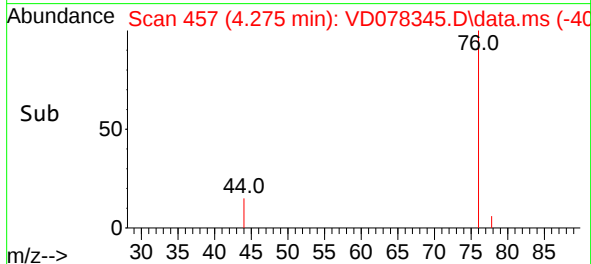
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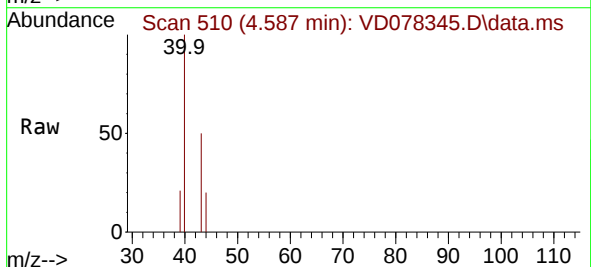
Tgt Ion: 76 Resp: 792
Ion Ratio Lower Upper
76 100
78 5.8 7.8 11.8

Manual Integrations
APPROVED

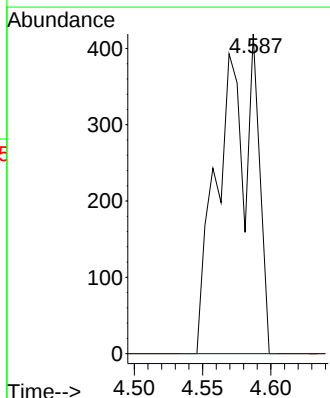
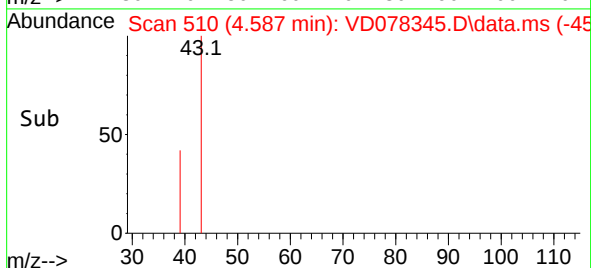
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

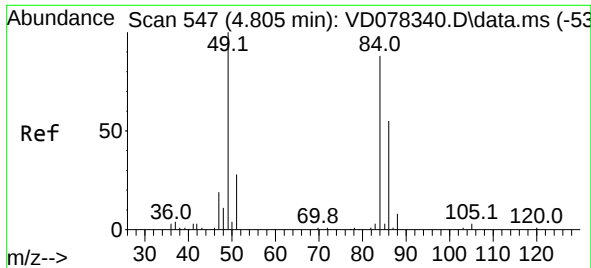


#15
Methyl Acetate
Concen: 0.435 ug/L m
RT: 4.587 min Scan# 510
Delta R.T. 0.024 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



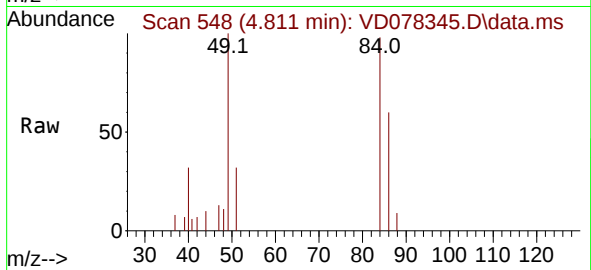
Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1





#16
Methylene chloride
Concen: 1.823 ug/L
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

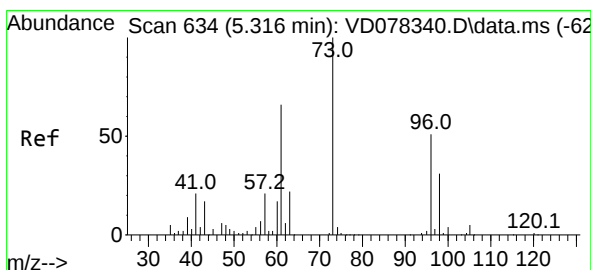
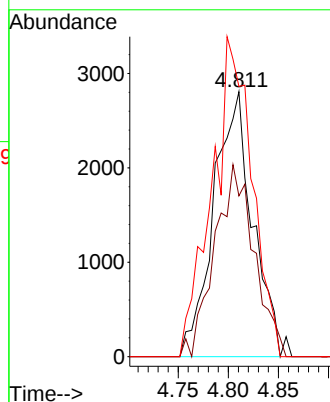
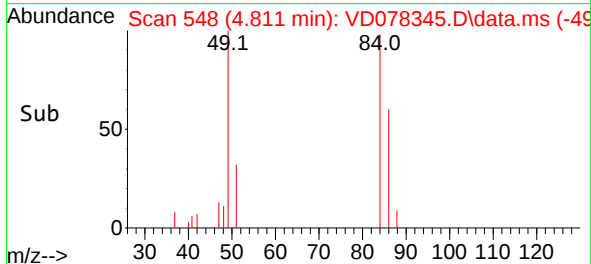
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 84 Resp: 755
Ion Ratio Lower Upper
84 100
86 60.7 45.4 84.2
49 102.0 77.3 143.7

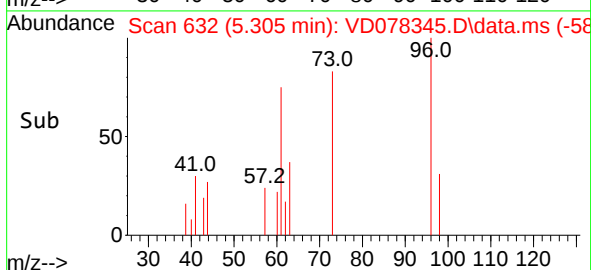
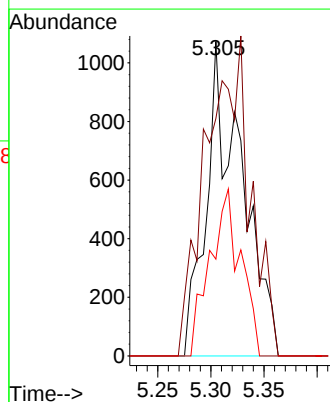
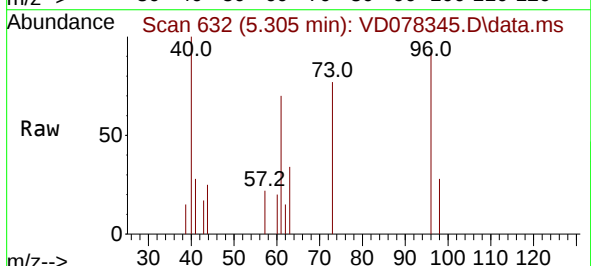
Manual Integrations
APPROVED

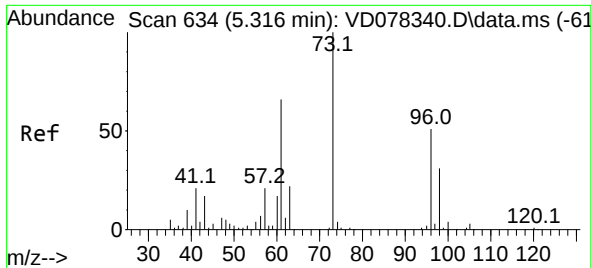
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#17
trans-1,2-Dichloroethene
Concen: 0.736 ug/L m
RT: 5.305 min Scan# 632
Delta R.T. -0.012 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

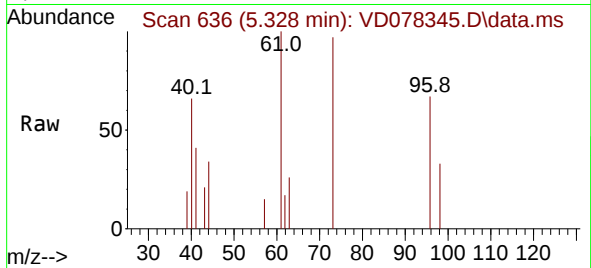
Tgt Ion: 96 Resp: 2488
Ion Ratio Lower Upper
96 100
61 75.5 82.7 153.7#
98 30.8 40.7 75.7#





#18
Methyl tert-butyl Ether
Concen: 0.440 ug/L m
RT: 5.328 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

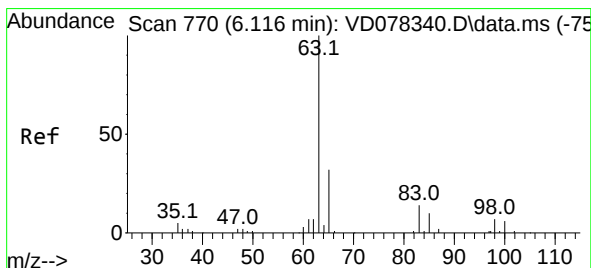
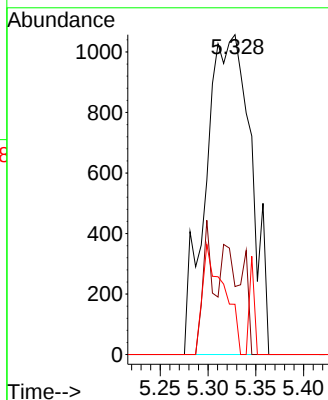
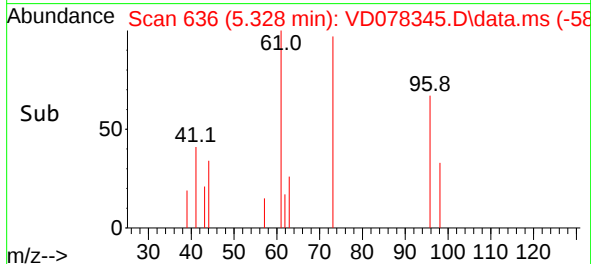
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



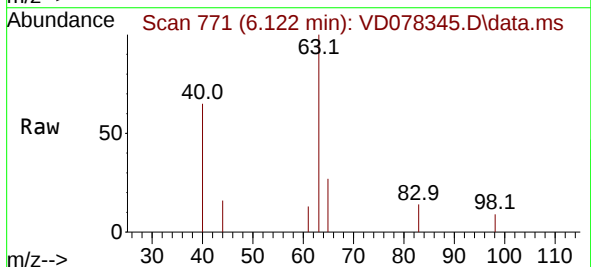
Tgt Ion: 73 Resp: 345
Ion Ratio Lower Upper
73 100
43 9.6 13.3 19.9
57 0.0 17.2 25.8

Manual Integrations
APPROVED

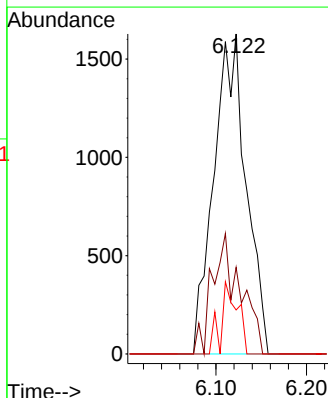
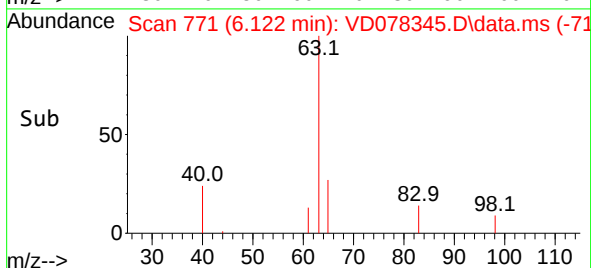
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

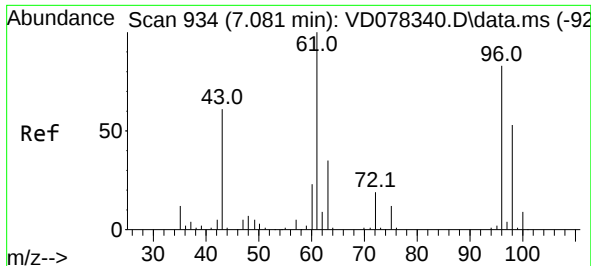


#19
1,1-Dichloroethane
Concen: 0.682 ug/L m
RT: 6.122 min Scan# 771
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



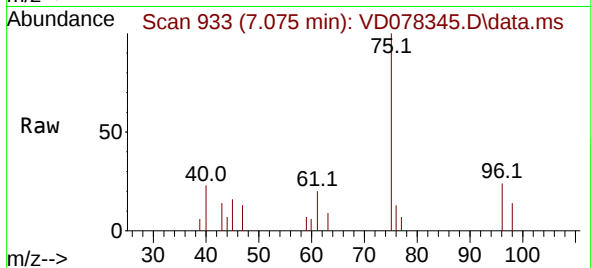
Tgt Ion: 63 Resp: 4033
Ion Ratio Lower Upper
63 100
65 27.0 21.8 40.4
83 13.8 10.1 18.9





#20
cis-1,2-Dichloroethene
Concen: 0.653 ug/L m
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

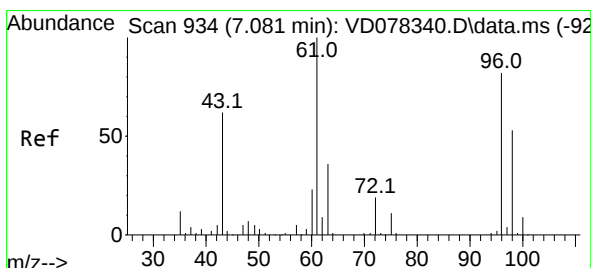
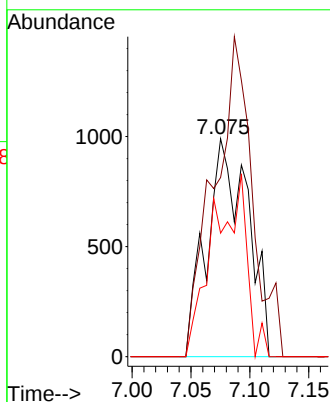
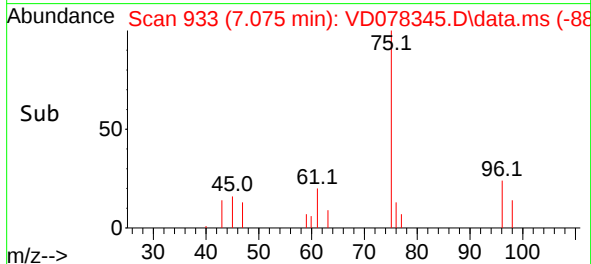
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 96 Resp: 2419
Ion Ratio Lower Upper
96 100
61 82.2 75.6 140.4
98 56.7 43.1 80.1

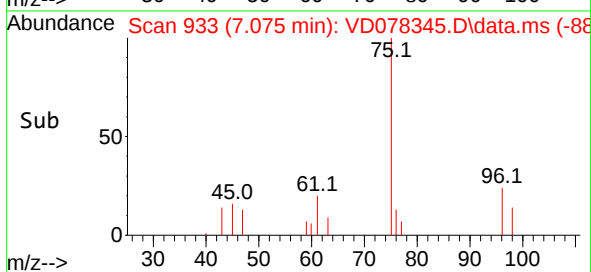
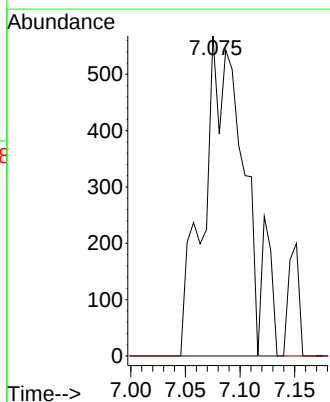
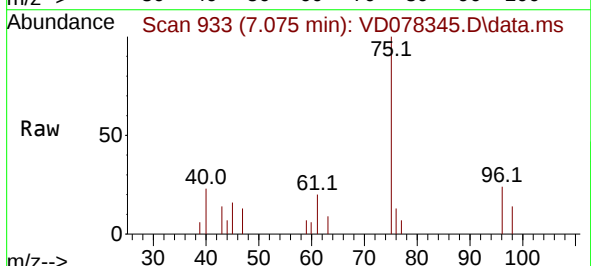
Manual Integrations
APPROVED

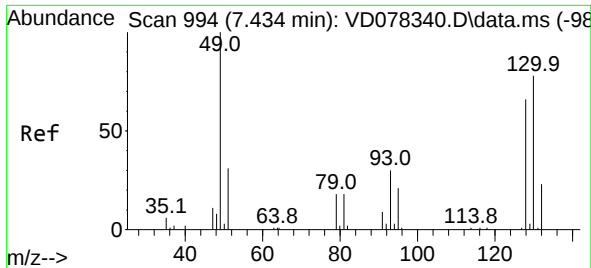
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#22
2-Butanone
Concen: 1.088 ug/L m
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

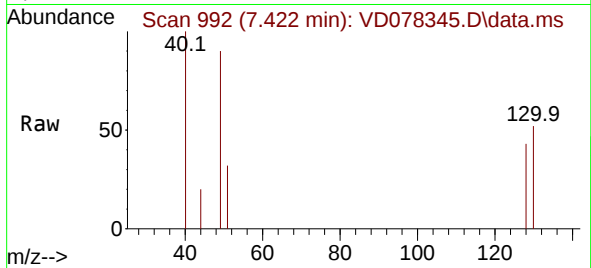
Tgt Ion: 43 Resp: 1526
Ion Ratio Lower Upper
43 100
72 0.0 15.4 46.2#





#23
Bromochloromethane
Concen: 0.658 ug/L m
RT: 7.422 min Scan# 994
Delta R.T. -0.012 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

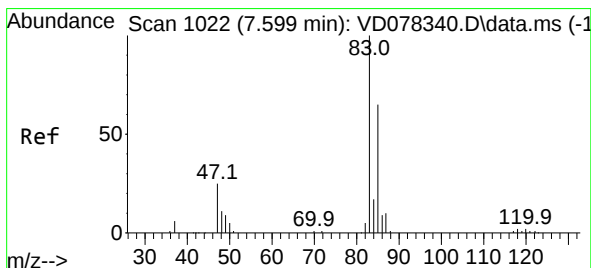
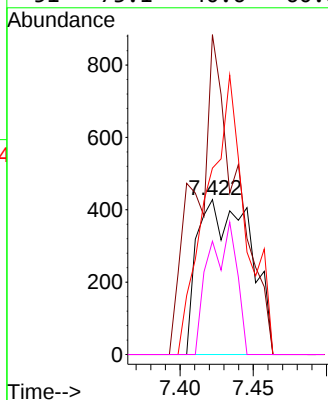
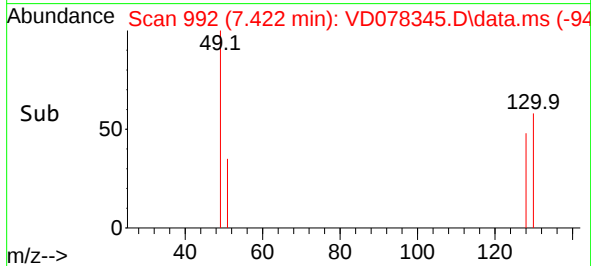
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:128 Resp: 1070
Ion Ratio Lower Upper
128 100
49 206.5 102.7 190.7
130 120.3 82.6 153.4
51 73.1 40.6 60.8#

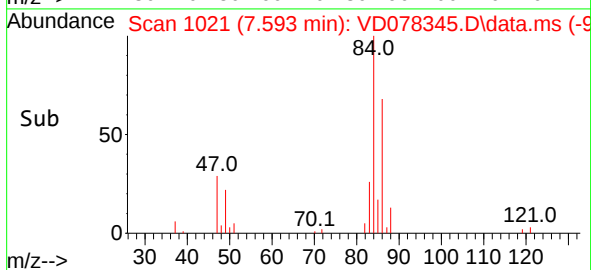
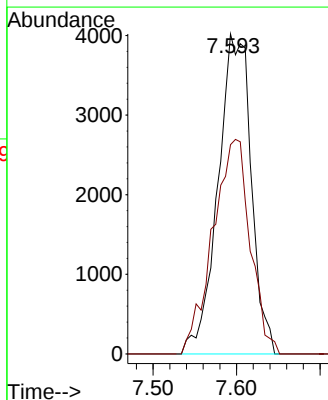
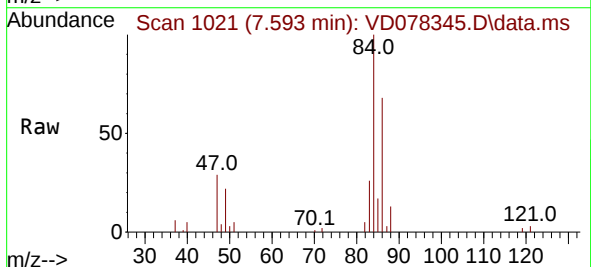
Manual Integrations
APPROVED

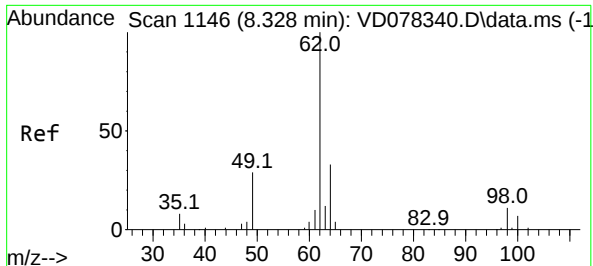
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#25
Chloroform
Concen: 1.716 ug/L m
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 83 Resp: 11072
Ion Ratio Lower Upper
83 100
85 65.4 44.9 83.3





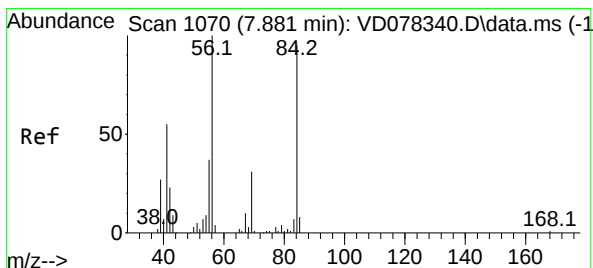
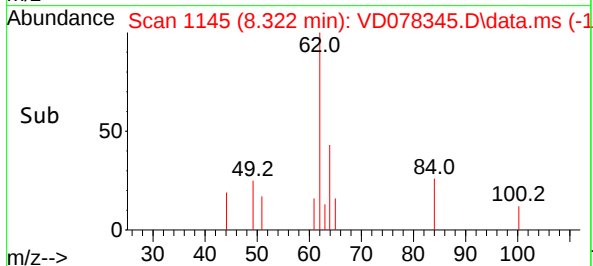
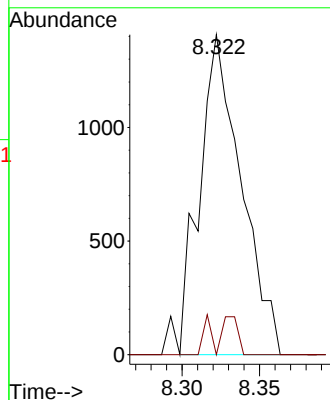
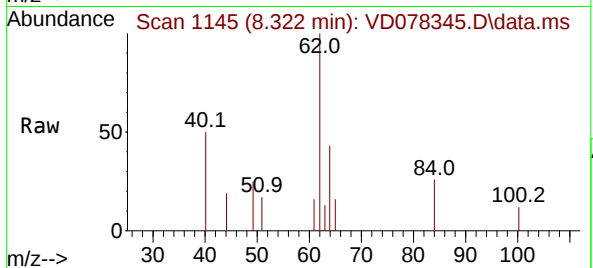
#27
1,2-Dichloroethane
Concen: 0.636 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 62 Resp: 263
Ion Ratio Lower Upper
62 100
98 0.0 9.5 14.3

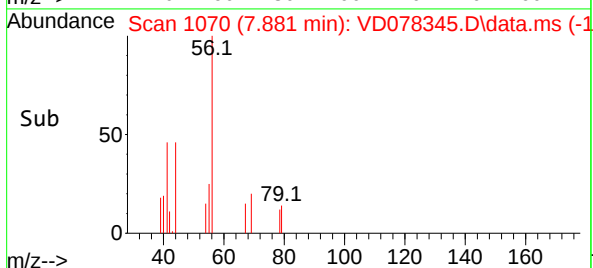
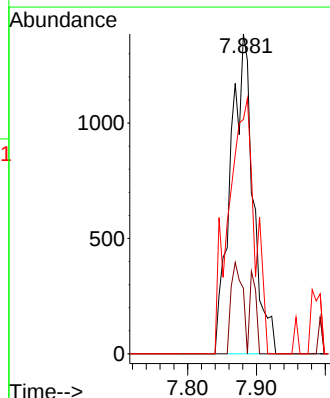
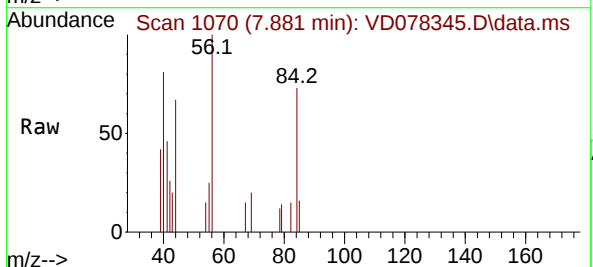
Manual Integrations
APPROVED

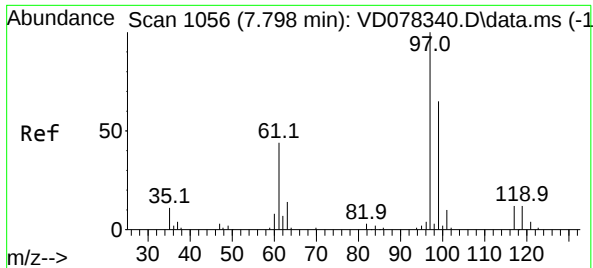
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#29
Cyclohexane
Concen: 0.704 ug/L m
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

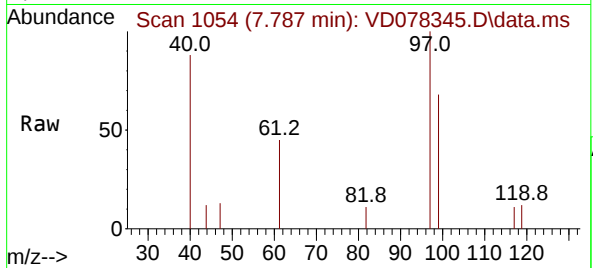
Tgt Ion: 56 Resp: 3152
Ion Ratio Lower Upper
56 100
69 7.1 23.3 34.9#
84 53.6 74.7 112.1#





#30
1,1,1-Trichloroethane
Concen: 0.840 ug/L m
RT: 7.787 min Scan# 1054
Delta R.T. -0.012 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

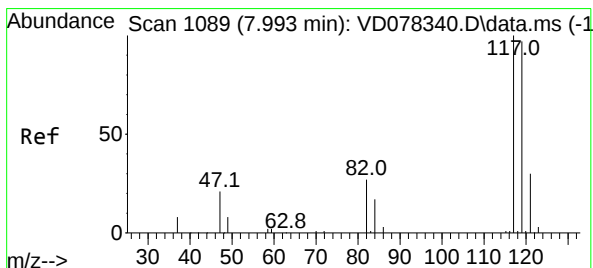
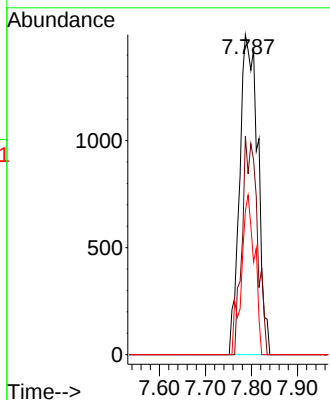
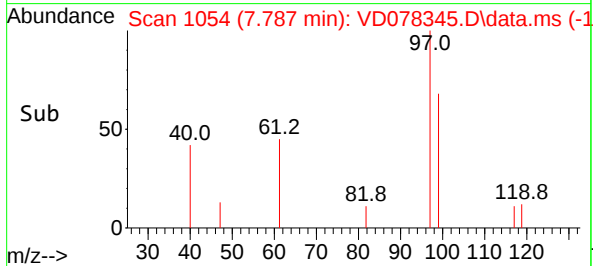
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 97 Resp: 408
Ion Ratio Lower Upper
97 100
99 26.7 50.7 76.1
61 33.0 34.4 51.6

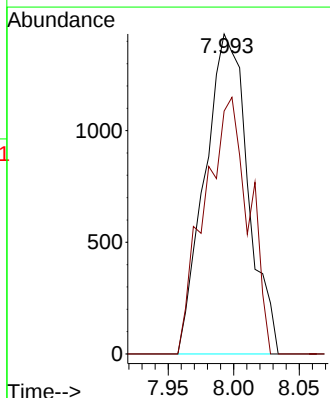
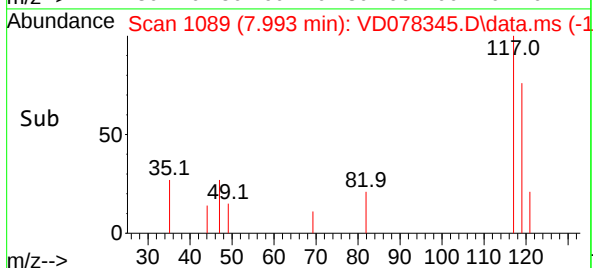
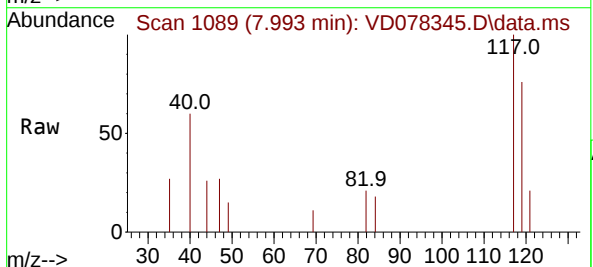
Manual Integrations
APPROVED

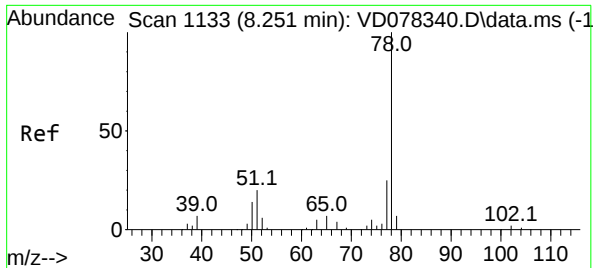
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#31
Carbon tetrachloride
Concen: 0.768 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion:117 Resp: 3284
Ion Ratio Lower Upper
117 100
119 82.1 77.0 115.4





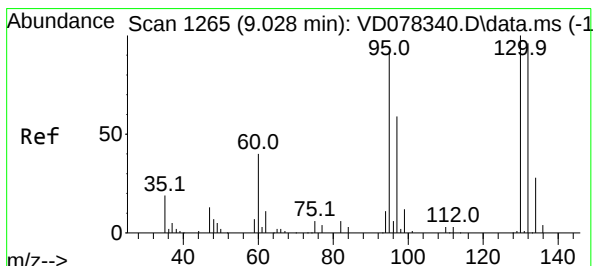
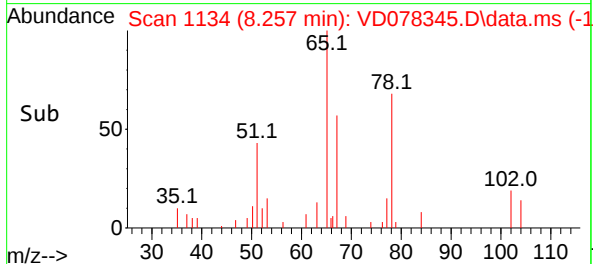
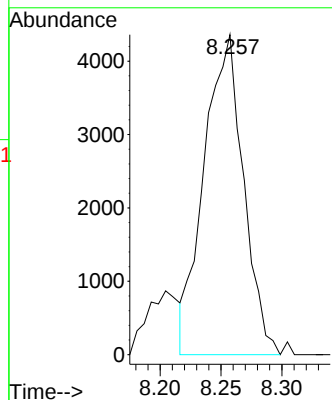
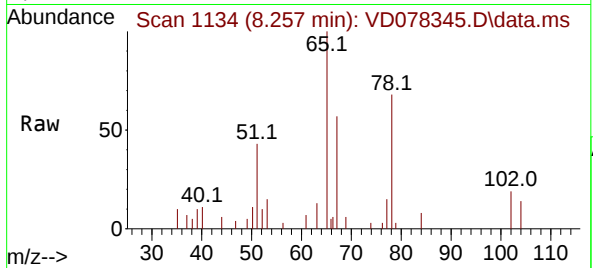
#33
Benzene
Concen: 0.734 ug/L
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 78 Resp: 980

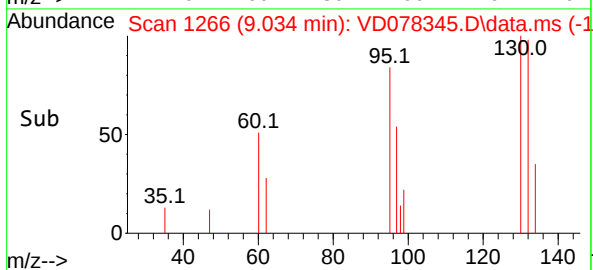
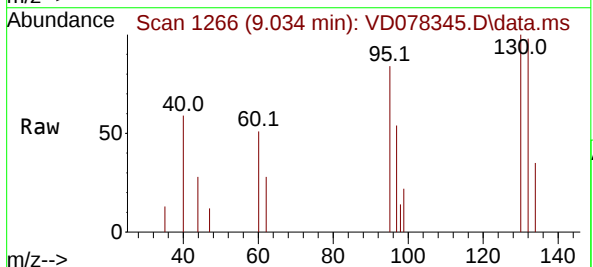
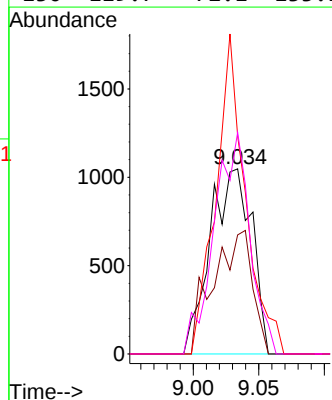
Manual Integrations
APPROVED

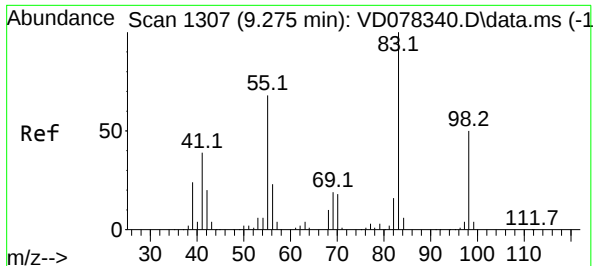
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#34
Trichloroethene
Concen: 0.690 ug/L m
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

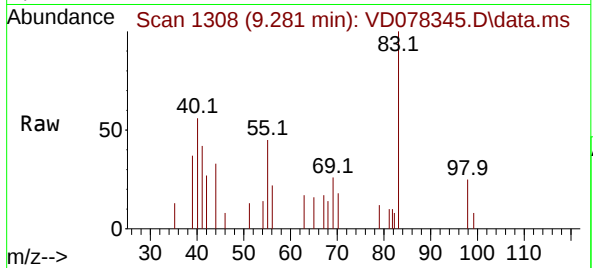
Tgt Ion: 95 Resp: 2327
Ion Ratio Lower Upper
95 100
97 64.3 46.9 87.1
132 117.7 73.7 136.9
130 119.7 72.1 133.9





#35
Methylcyclohexane
Concen: 0.701 ug/L
RT: 9.281 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

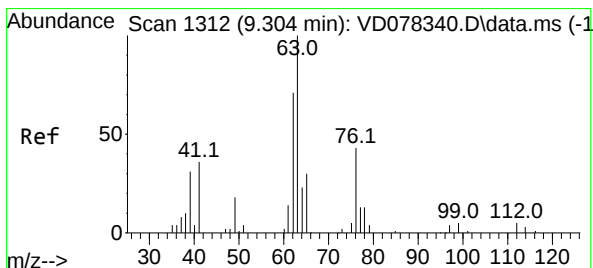
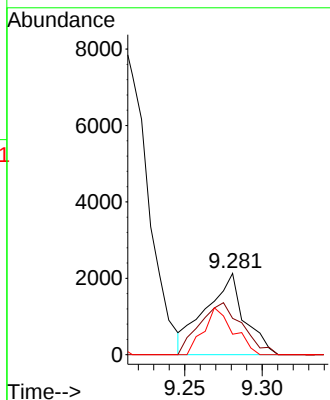
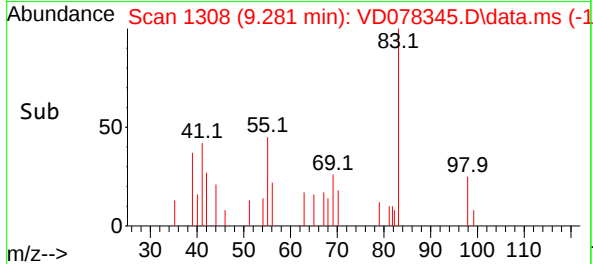
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 83 Resp: 3690
Ion Ratio Lower Upper
83 100
55 70.2 56.2 84.4
98 44.1 41.2 61.8

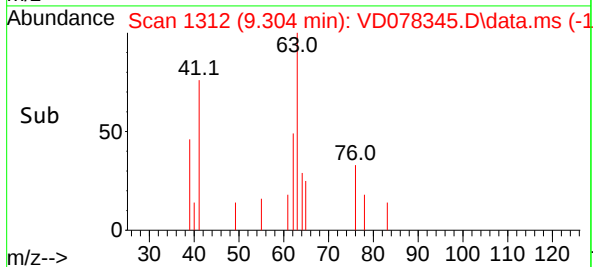
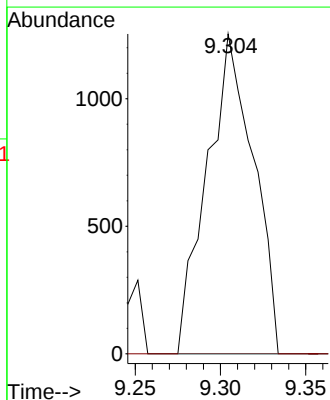
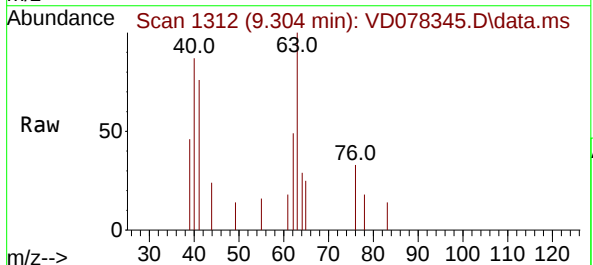
Manual Integrations
APPROVED

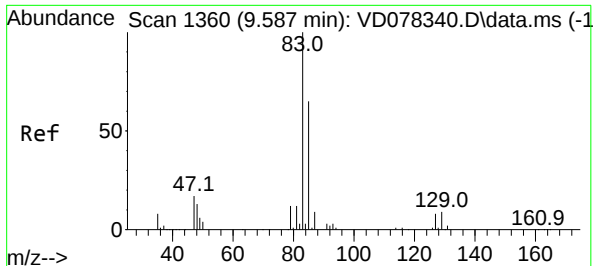
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#37
1,2-Dichloropropane
Concen: 0.676 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 63 Resp: 2379
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





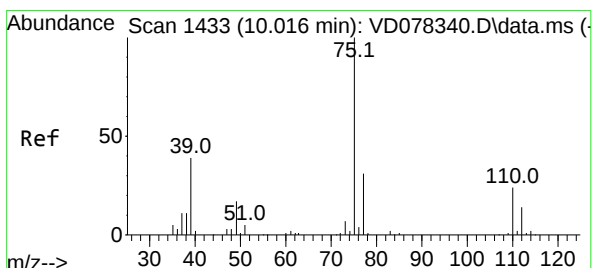
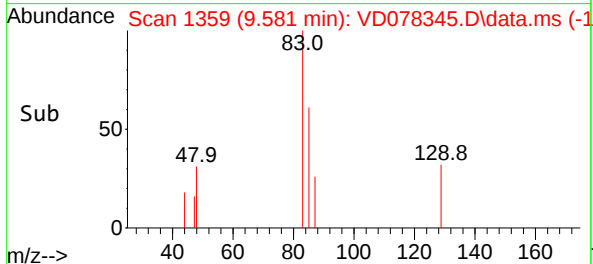
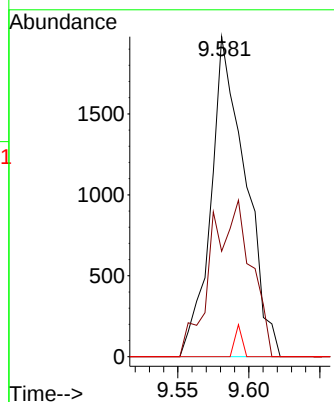
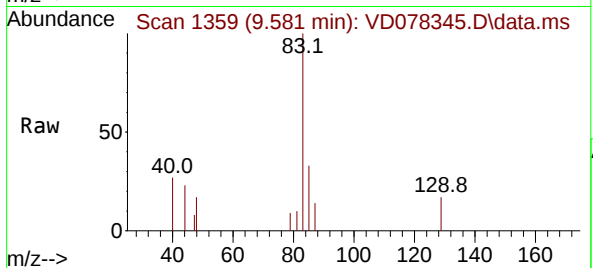
#38
Bromodichloromethane
Concen: 0.731 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 83 Resp: 3350
Ion Ratio Lower Upper
83 100
85 33.0 46.6 86.6
127 0.0 8.1 12.1

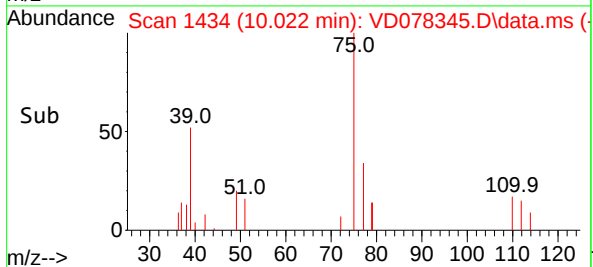
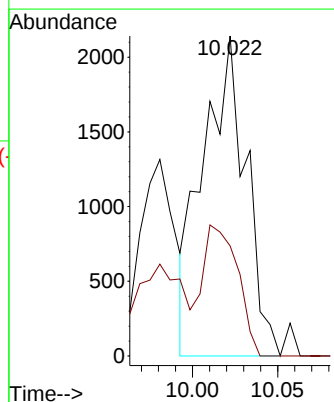
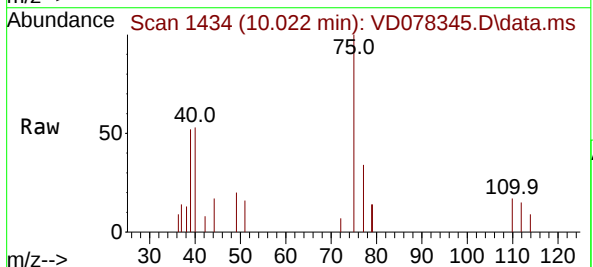
Manual Integrations
APPROVED

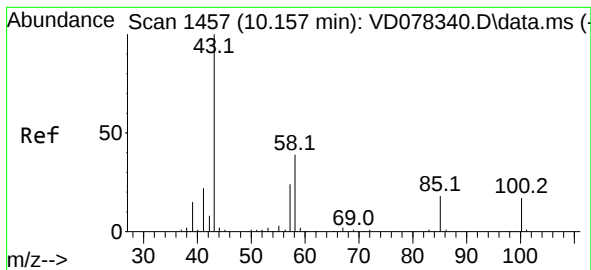
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#39
cis-1,3-Dichloropropene
Concen: 0.684 ug/L
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 75 Resp: 3746
Ion Ratio Lower Upper
75 100
77 34.4 22.3 41.5





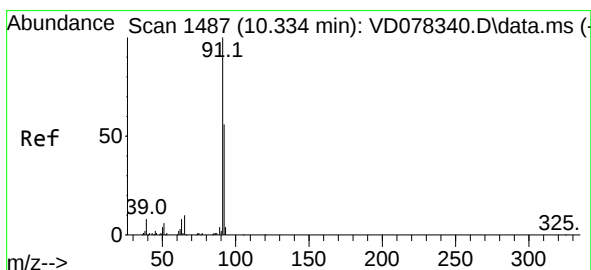
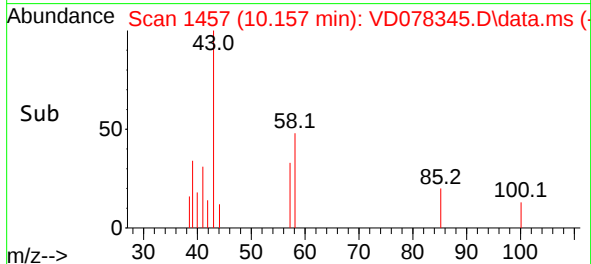
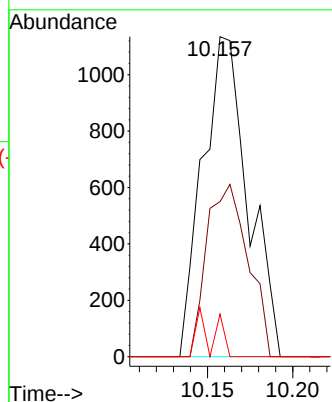
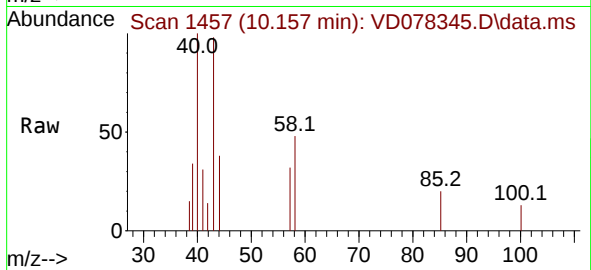
#40
4-Methyl-2-pentanone
Concen: 0.965 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

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

Tgt Ion: 43 Resp: 2108
Ion Ratio Lower Upper
43 100
58 48.8 34.0 51.0
100 2.9 13.2 19.8

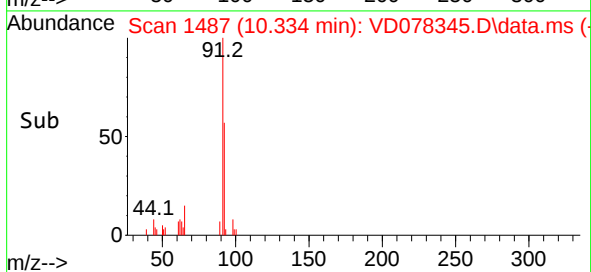
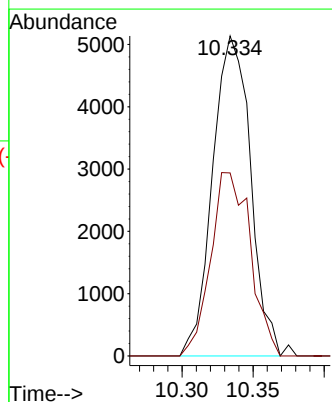
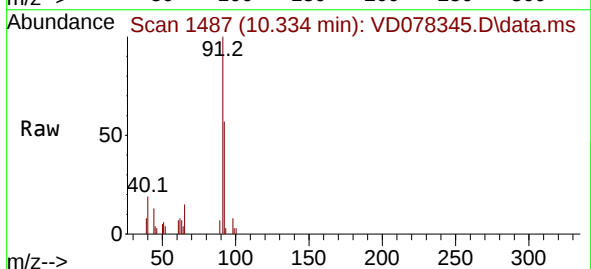
Manual Integrations
APPROVED

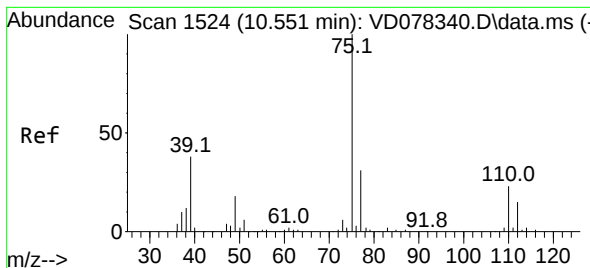
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#42
Toluene
Concen: 0.686 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

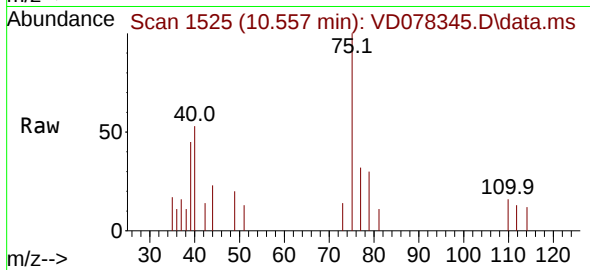
Tgt Ion: 91 Resp: 9525
Ion Ratio Lower Upper
91 100
92 57.2 39.5 73.4





#44
trans-1,3-Dichloropropene
Concen: 0.783 ug/L m
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

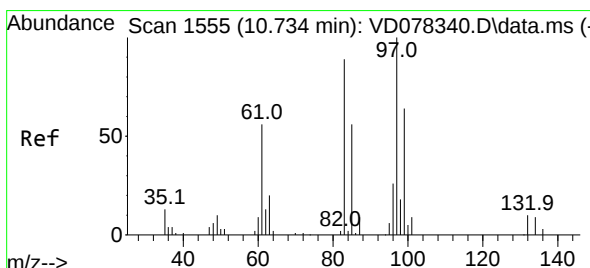
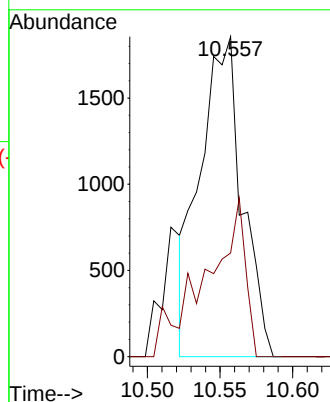
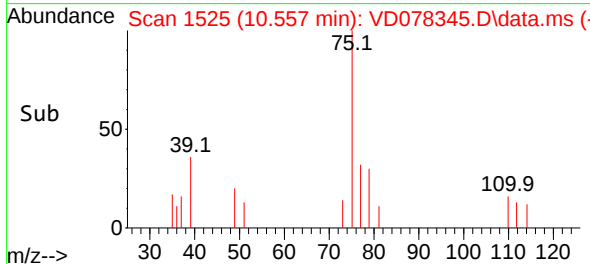
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 75 Resp: 3749
Ion Ratio Lower Upper
75 100
77 32.4 20.7 38.5

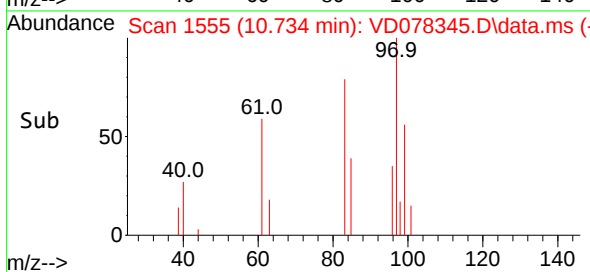
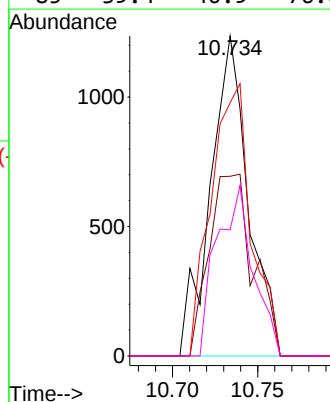
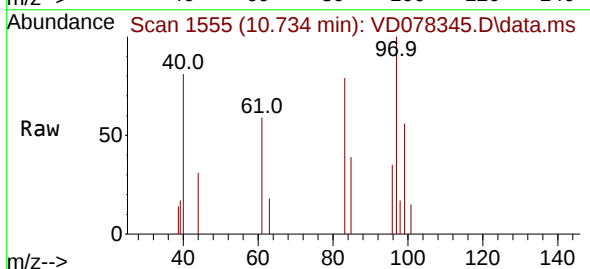
Manual Integrations
APPROVED

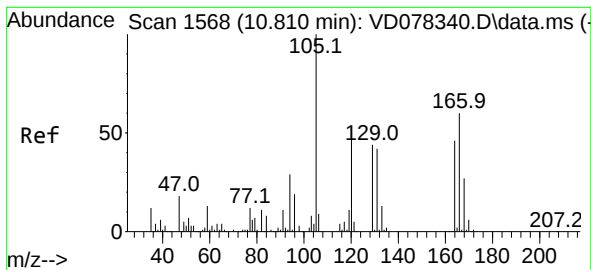
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#45
1,1,2-Trichloroethane
Concen: 0.684 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 97 Resp: 1917
Ion Ratio Lower Upper
97 100
99 56.1 45.4 84.4
83 79.1 59.5 110.5
85 39.4 40.9 76.0#





#46

Tetrachloroethene

Concen: 0.806 ug/L m

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD078345.D

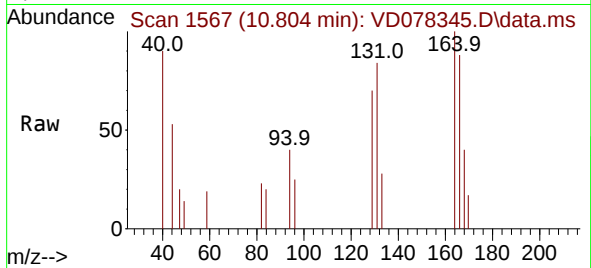
Acq: 05 Feb 2024 13:46

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:164 Resp: 1860

Ion Ratio Lower Upper

164 100

129 70.2 66.7 123.9

131 84.4 65.2 121.0

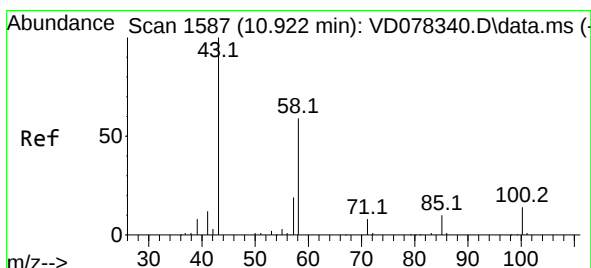
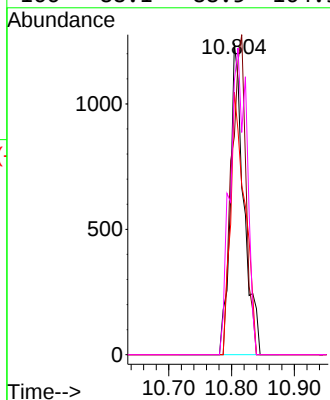
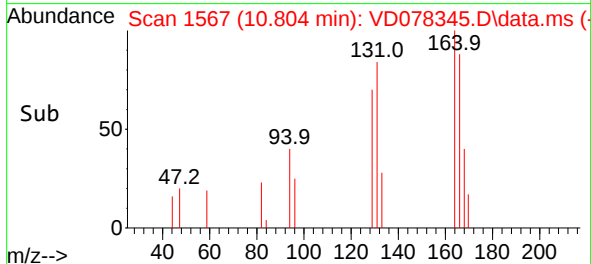
166 88.1 88.5 164.3#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#48

2-Hexanone

Concen: 1.108 ug/L

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

Tgt Ion: 43 Resp: 1975

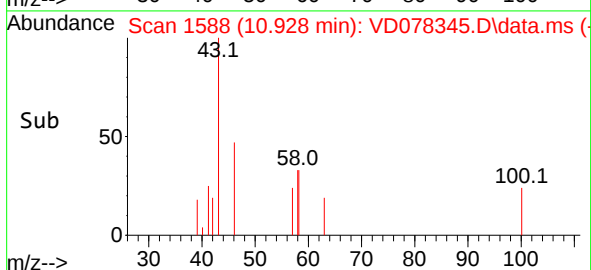
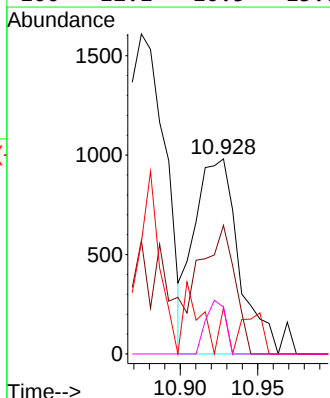
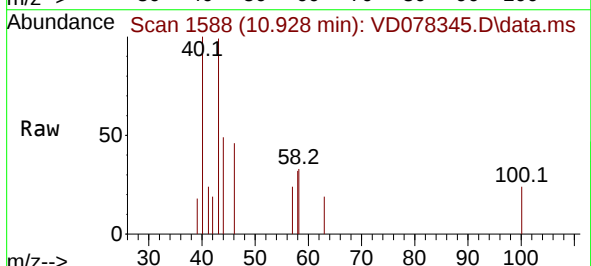
Ion Ratio Lower Upper

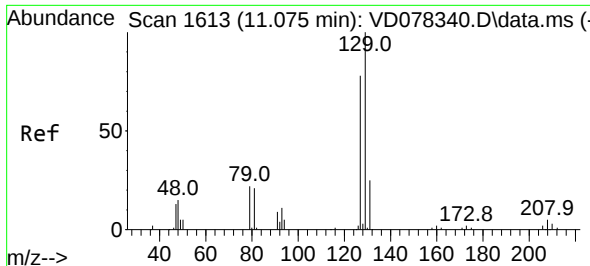
43 100

58 32.2 48.5 72.7#

57 4.2 15.6 23.4#

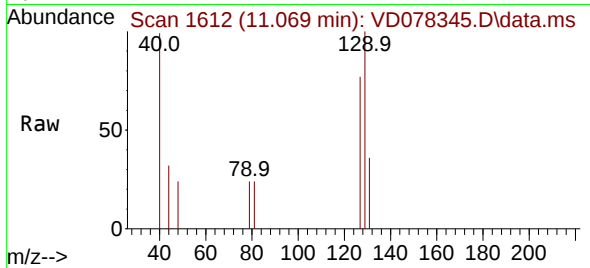
100 12.1 10.5 15.7





#49
Dibromochloromethane
Concen: 0.644 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

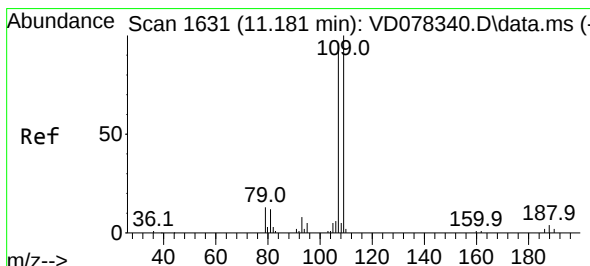
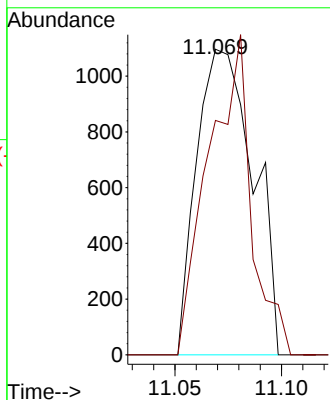
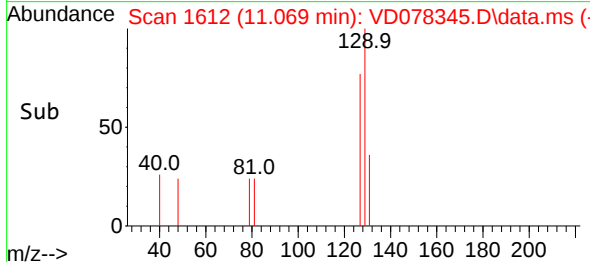
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



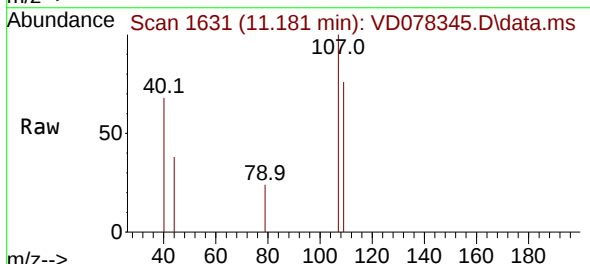
Tgt Ion:129 Resp: 2028
Ion Ratio Lower Upper
129 100
127 76.7 52.7 97.9

Manual Integrations
APPROVED

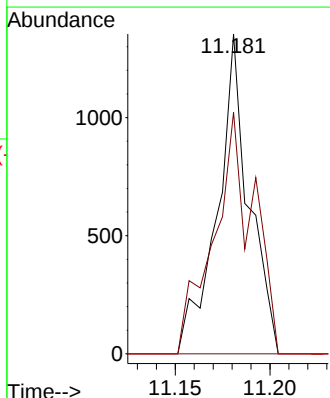
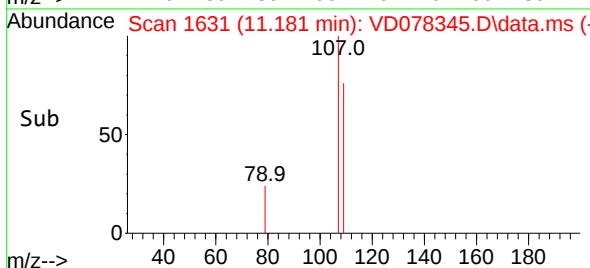
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

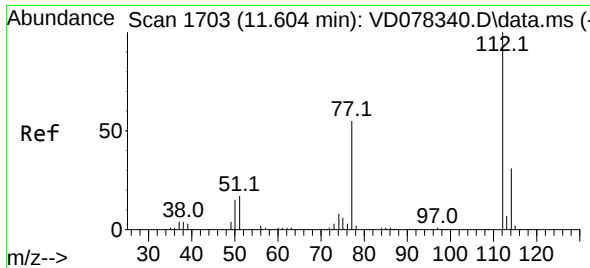


#50
1,2-Dibromoethane
Concen: 0.574 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



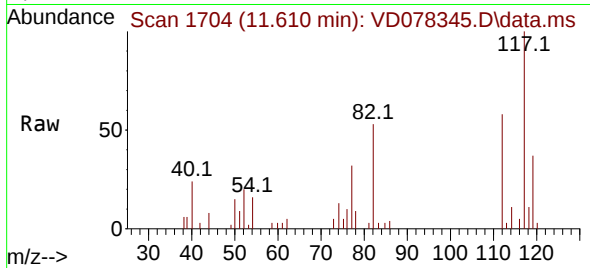
Tgt Ion:107 Resp: 1571
Ion Ratio Lower Upper
107 100
109 75.6 64.0 118.8
188 0.0 3.1 4.7#





#51
Chlorobenzene
Concen: 0.691 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

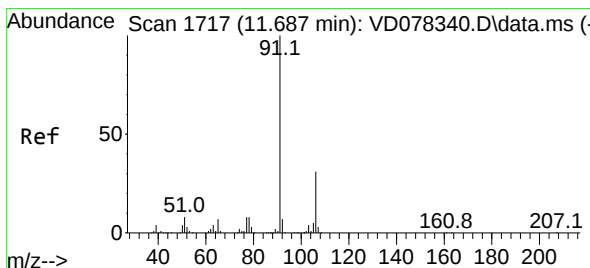
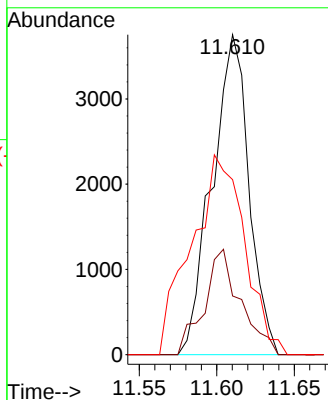
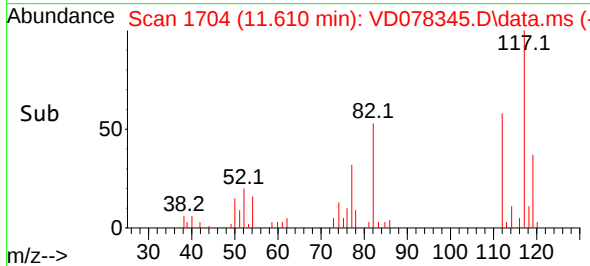
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 112 Resp: 621
Ion Ratio Lower Upper
112 100
114 18.3 22.3 41.3
77 54.7 42.3 63.5

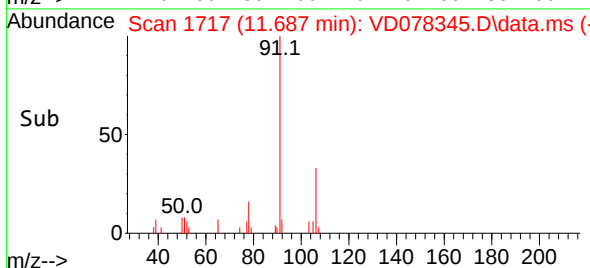
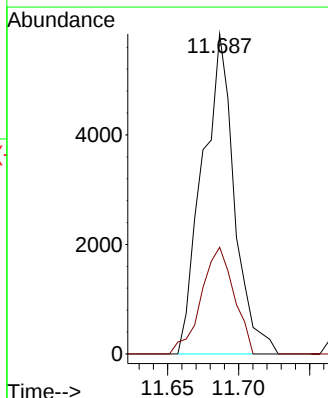
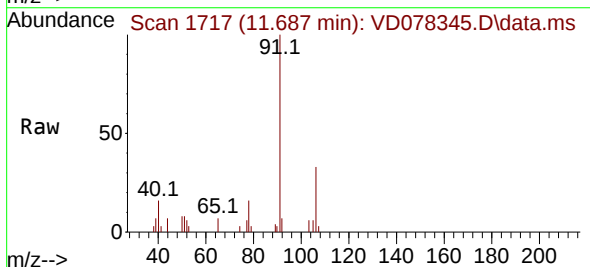
Manual Integrations
APPROVED

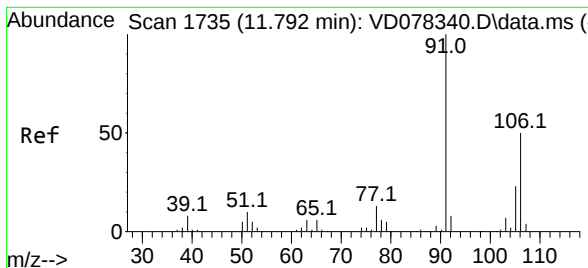
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024



#52
Ethylbenzene
Concen: 0.613 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

Tgt Ion: 91 Resp: 9139
Ion Ratio Lower Upper
91 100
106 33.3 22.5 41.7





#53

m,p-Xylene

Concen: 0.602 ug/L

RT: 11.787 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

Instrument :

MSVOA_D

ClientSampleId :

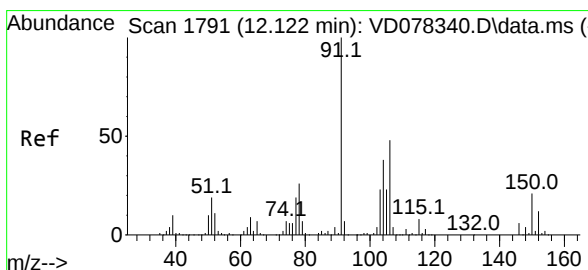
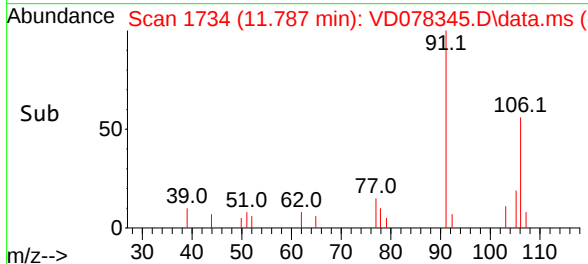
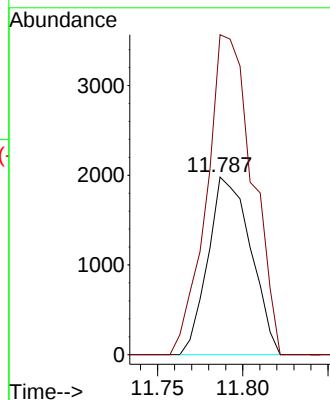
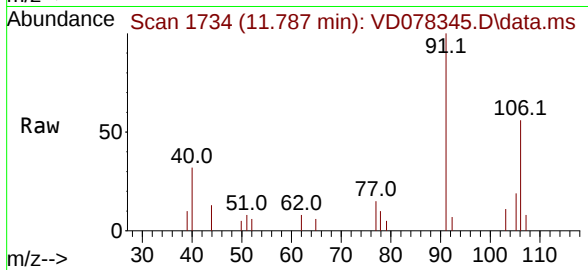
MDL-SOIL-QT4-2023-08

Tgt Ion:106 Resp: 3452
 Ion Ratio Lower Upper
 106 100
 91 180.2 138.3 256.8

Manual Integrations

APPROVED

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



#54

o-Xylene

Concen: 0.503 ug/L

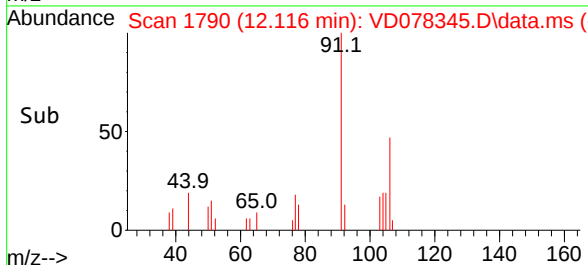
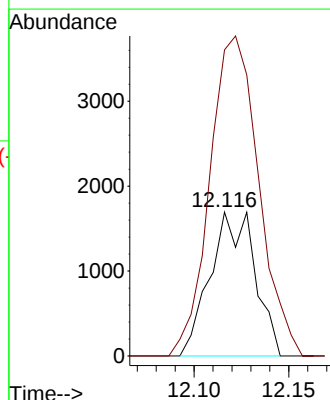
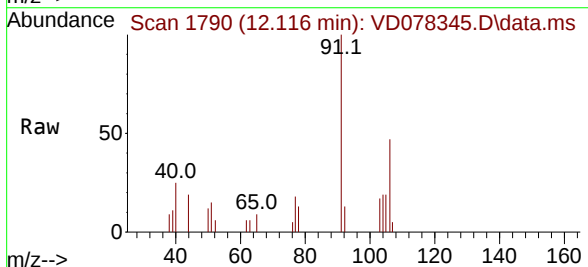
RT: 12.116 min Scan# 1790

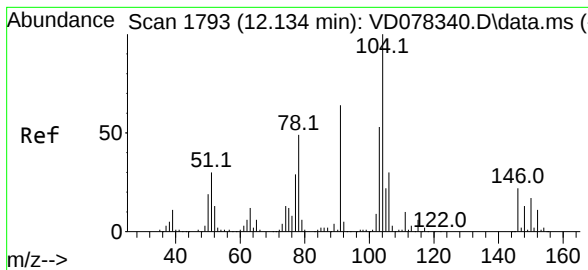
Delta R.T. -0.006 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

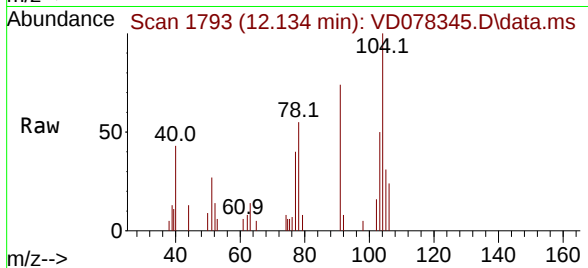
Tgt Ion:106 Resp: 2781
 Ion Ratio Lower Upper
 106 100
 91 212.8 148.0 274.8





#55
Styrene
Concen: 0.500 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

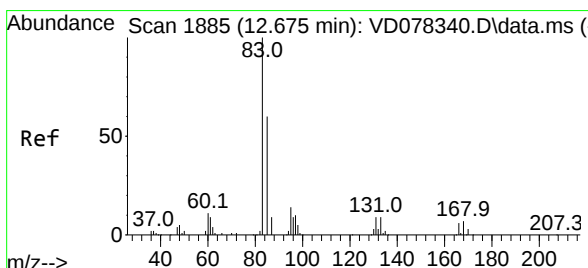
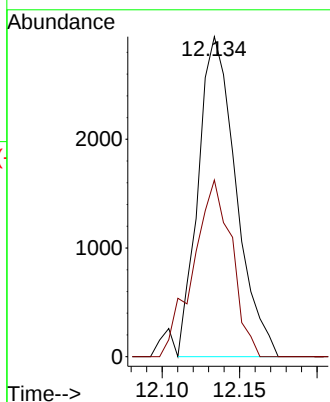
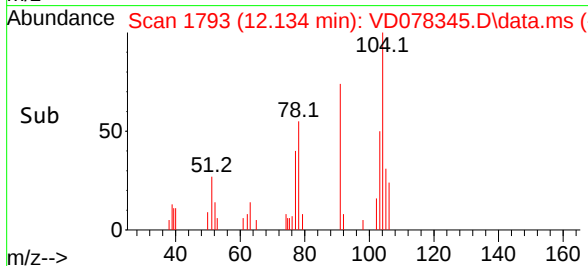
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



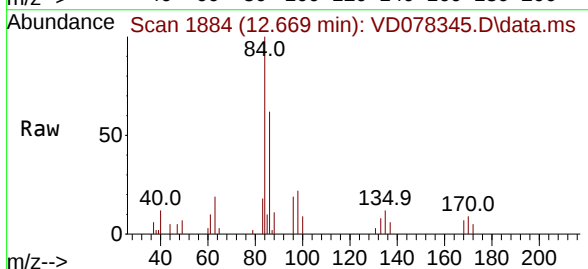
Tgt Ion:104 Resp: 4988
Ion Ratio Lower Upper
104 100
78 55.2 29.5 54.7

Manual Integrations
APPROVED

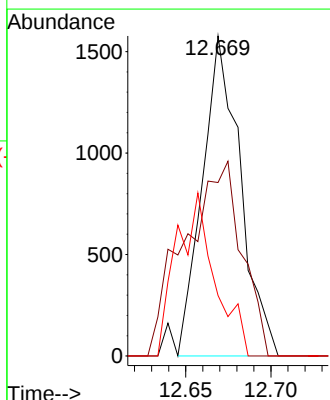
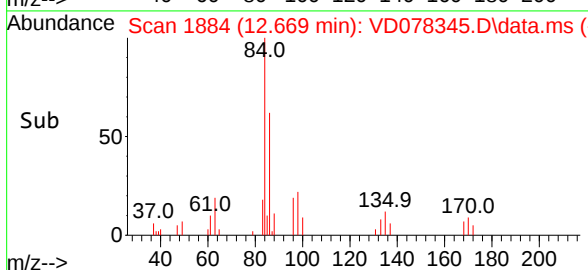
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

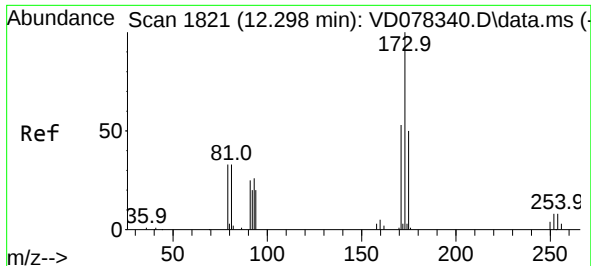


#57
1,1,2,2-Tetrachloroethane
Concen: 0.678 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



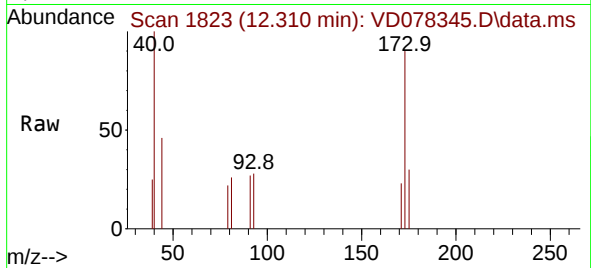
Tgt Ion: 83 Resp: 2437
Ion Ratio Lower Upper
83 100
85 54.2 42.6 79.0
131 18.9 6.0 9.0





#59
Bromoform
Concen: 0.604 ug/L m
RT: 12.310 min Scan# 1823
Delta R.T. 0.012 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

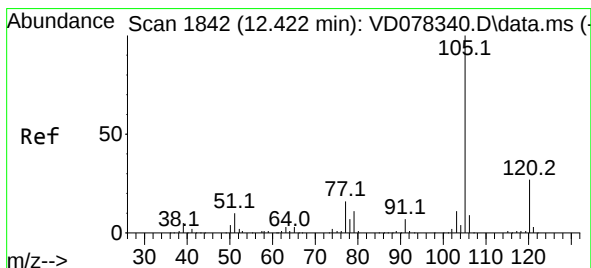
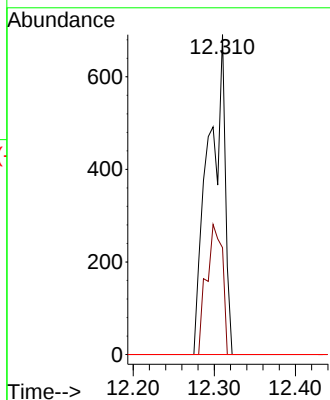
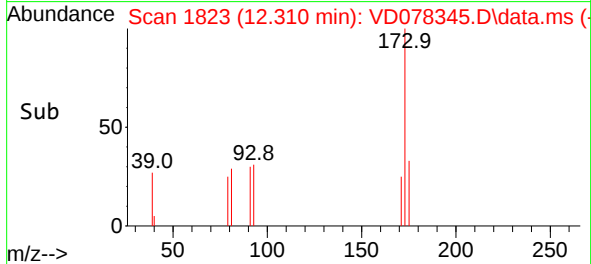
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



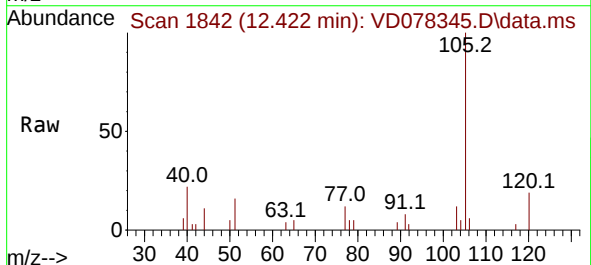
Tgt Ion:173 Resp: 983
Ion Ratio Lower Upper
173 100
175 39.0 40.2 60.4
254 0.0 6.6 9.8

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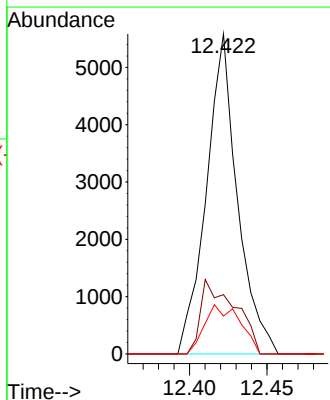
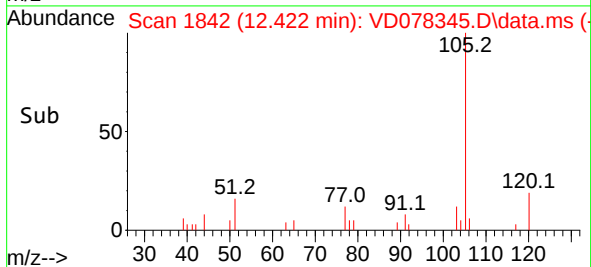
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

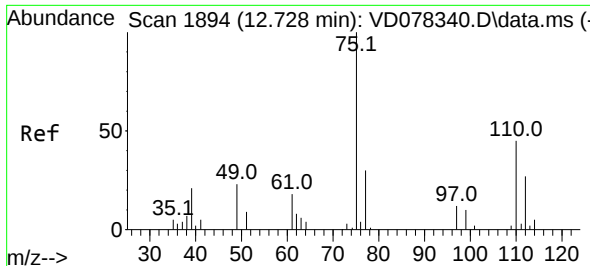


#60
Isopropylbenzene
Concen: 0.635 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



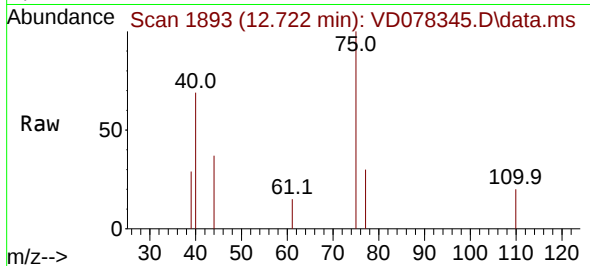
Tgt Ion:105 Resp: 7782
Ion Ratio Lower Upper
105 100
120 25.8 20.4 30.6
77 17.5 12.4 18.6





#61
1,2,3-Trichloropropane
Concen: 0.690 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

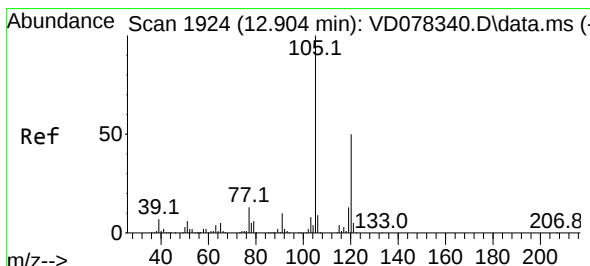
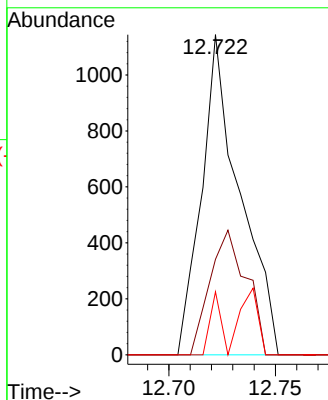
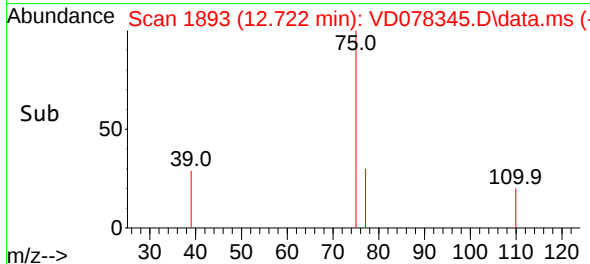
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08



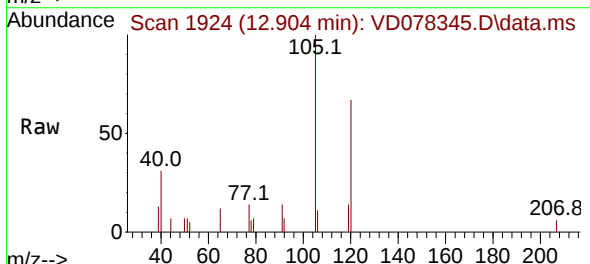
Tgt Ion: 75 Resp: 1428
Ion Ratio Lower Upper
75 100
77 37.1 26.5 39.7
110 5.5 31.8 47.8

Manual Integrations
APPROVED

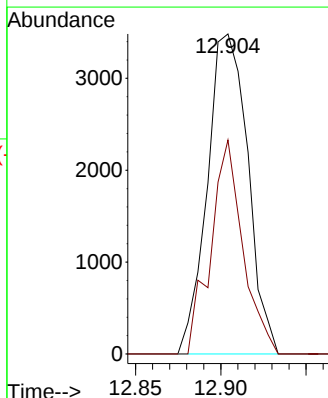
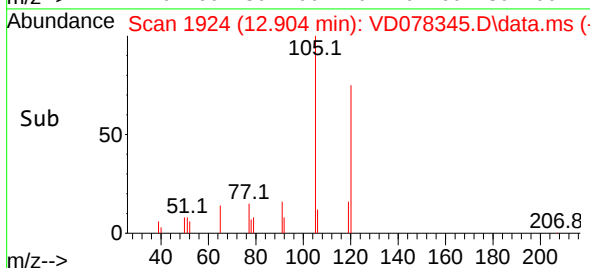
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

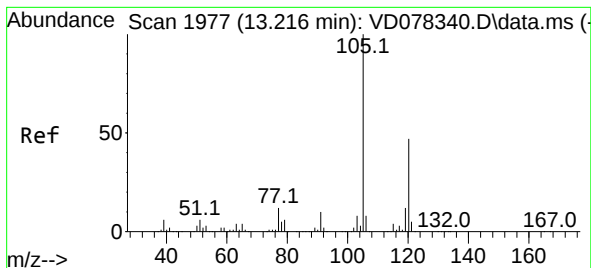


#62
1,3,5-Trimethylbenzene
Concen: 0.600 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



Tgt Ion:105 Resp: 5754
Ion Ratio Lower Upper
105 100
120 53.1 39.5 59.3





#63

1,2,4-Trimethylbenzene

Concen: 0.612 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

Instrument :

MSVOA_D

ClientSampleId :

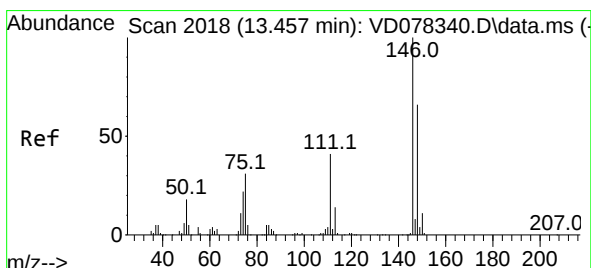
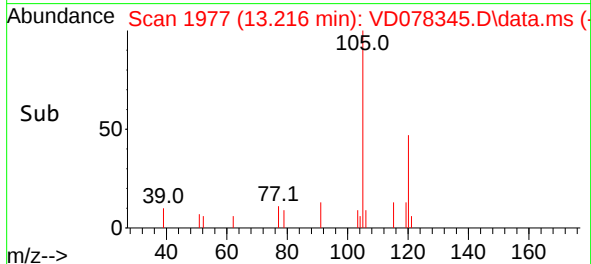
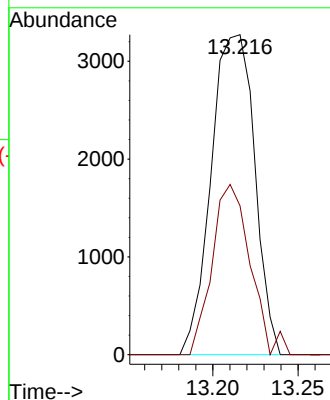
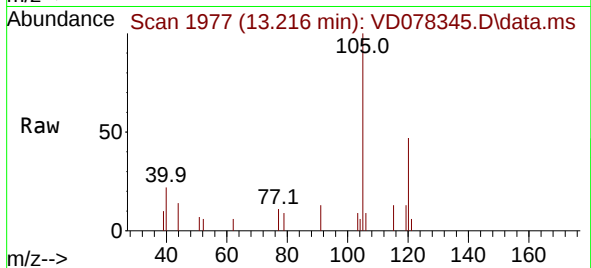
MDL-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 5808
 Ion Ratio Lower Upper
 105 100
 120 45.2 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: 0.760 ug/L

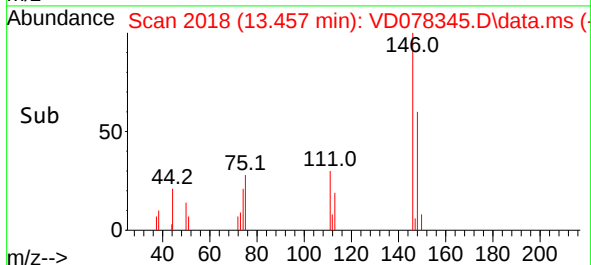
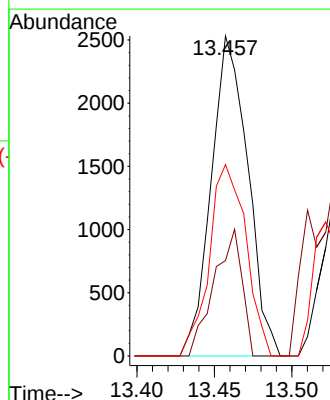
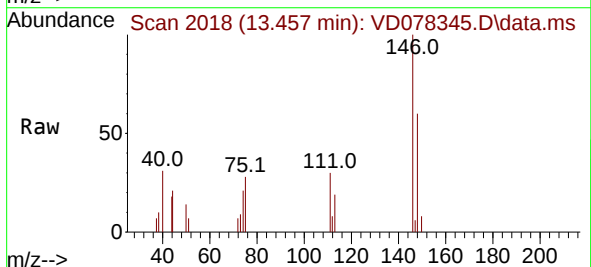
RT: 13.457 min Scan# 2018

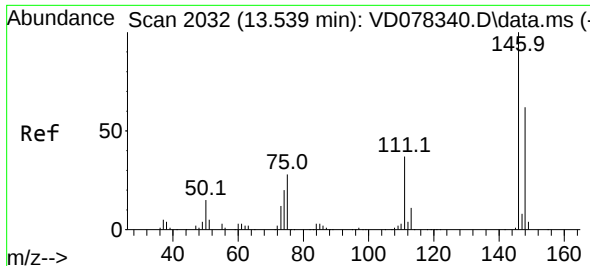
Delta R.T. 0.000 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

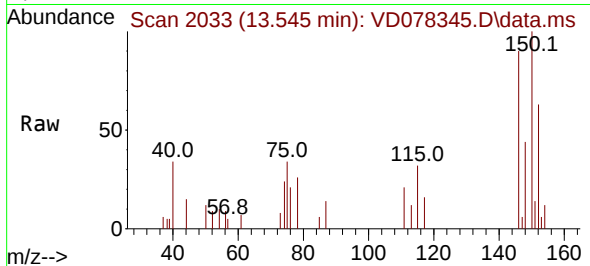
Tgt Ion:146 Resp: 4155
 Ion Ratio Lower Upper
 146 100
 111 29.8 28.6 53.0
 148 59.8 46.5 86.3





#65
1,4-Dichlorobenzene
Concen: 0.763 ug/L
RT: 13.545 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

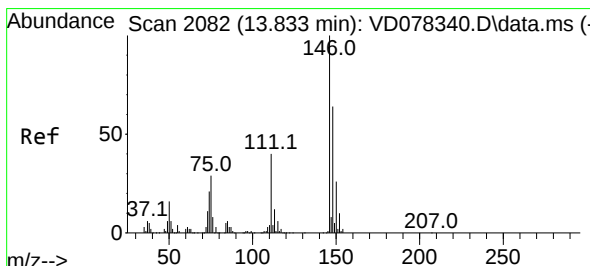
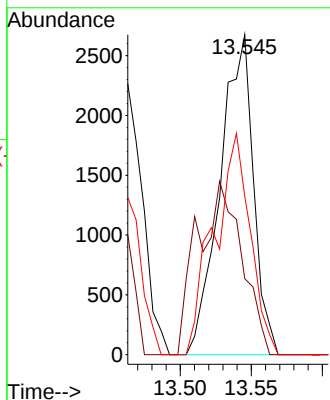
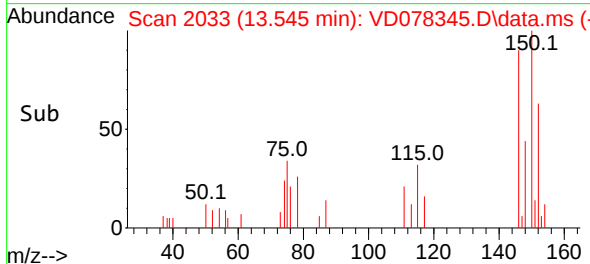
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



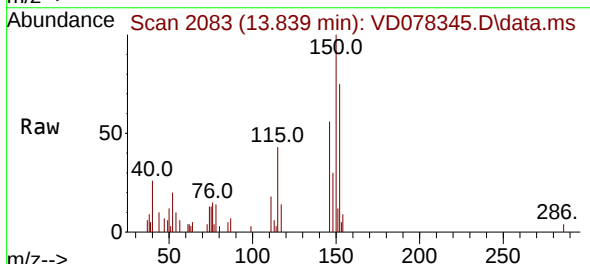
Tgt Ion:146 Resp: 436
Ion Ratio Lower Upper
146 100
111 23.7 26.4 49.0
148 49.5 44.5 82.7

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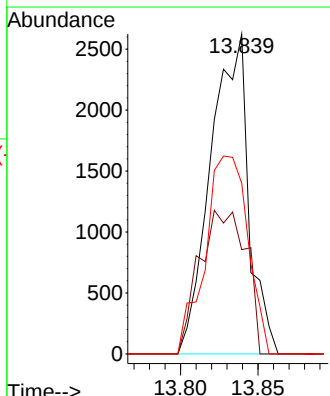
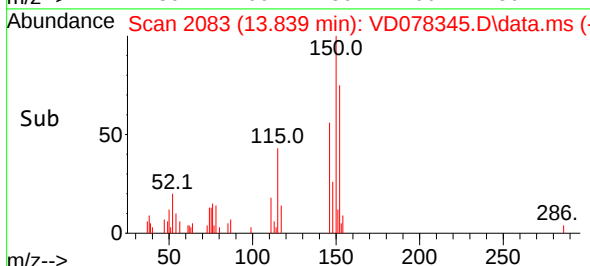
Reviewed By :Semsettin Yesilyurt 02/06/2024
Supervised By :Mahesh Dadoda 02/06/2024

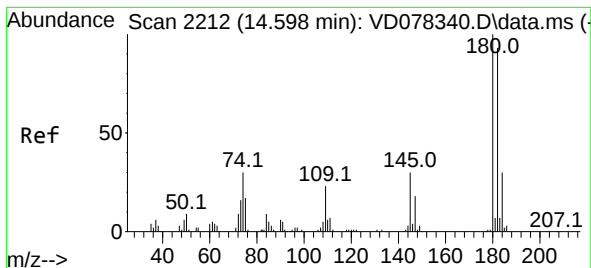


#67
1,2-Dichlorobenzene
Concen: 0.861 ug/L
RT: 13.839 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



Tgt Ion:146 Resp: 4452
Ion Ratio Lower Upper
146 100
111 32.6 33.6 50.4
148 53.4 48.4 72.6





#69

1,3,5-Trichlorobenzene

Concen: 0.810 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VD078345.D

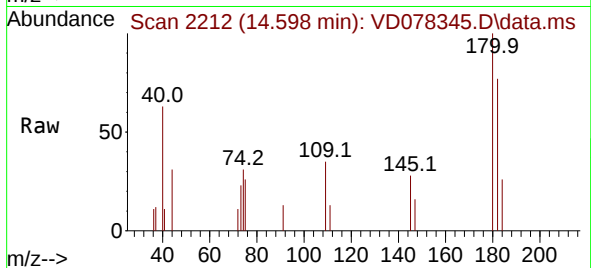
Acq: 05 Feb 2024 13:46

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 2729

Ion Ratio Lower Upper

180 100

182 88.0 75.6 113.4

184 9.5 23.2 34.8

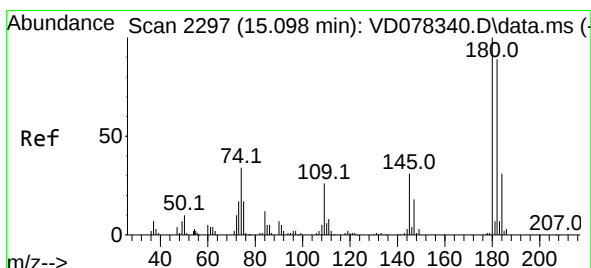
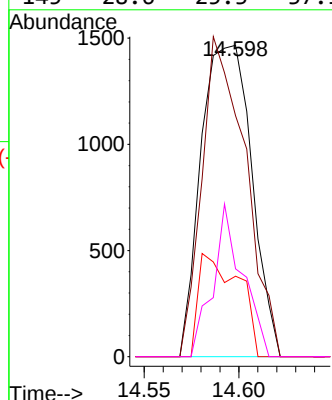
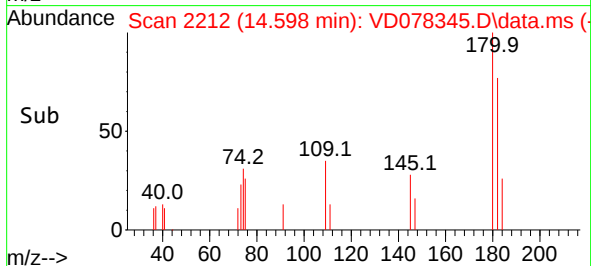
145 28.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024

Supervised By :Mahesh Dadoda 02/06/2024



#70

1,2,4-trichlorobenzene

Concen: 0.637 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD078345.D

Acq: 05 Feb 2024 13:46

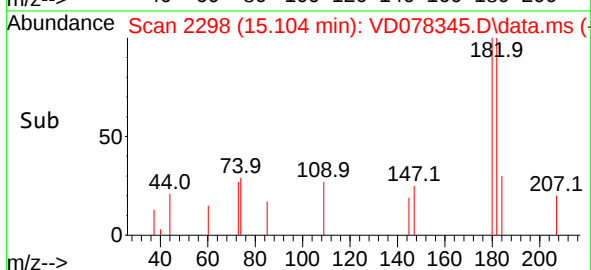
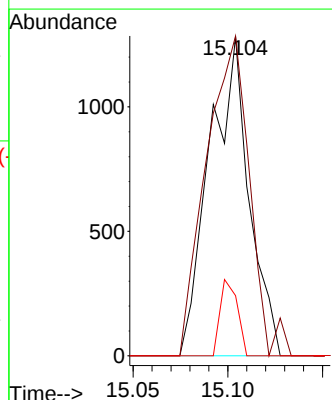
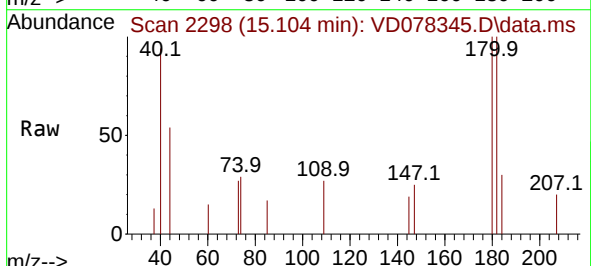
Tgt Ion:180 Resp: 1855

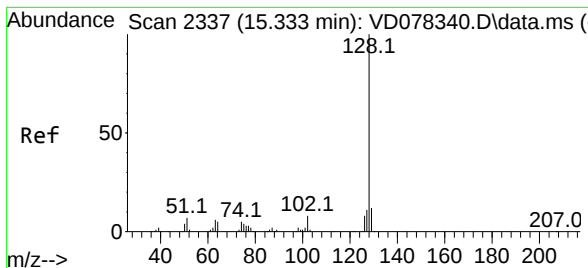
Ion Ratio Lower Upper

180 100

182 106.7 76.2 114.4

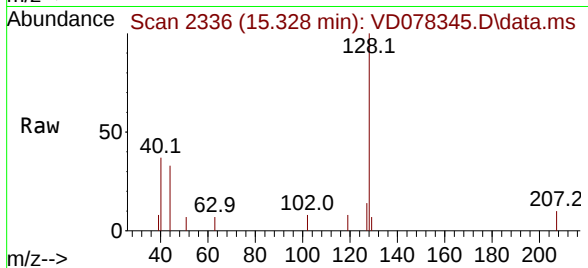
145 10.5 25.0 37.6#





#71
Naphthalene
Concen: 0.588 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46

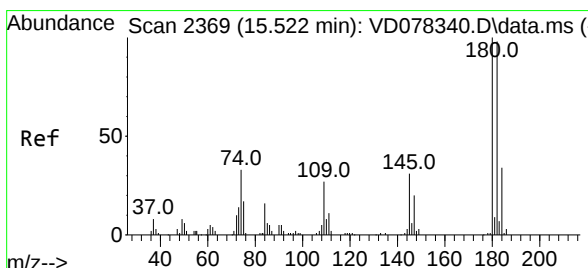
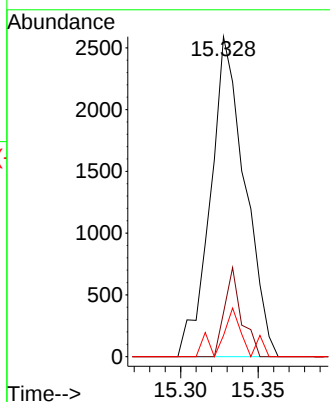
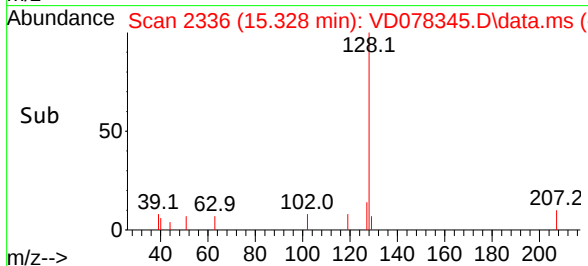
Instrument : MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08



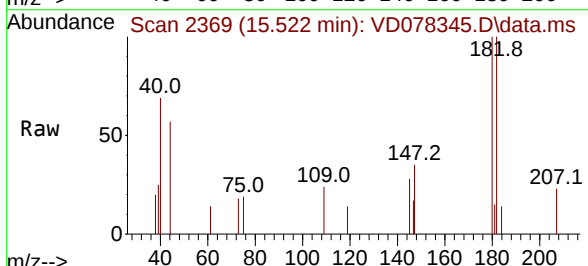
Tgt Ion:128 Resp: 4009
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 6.6 8.6 12.8

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 0.672 ug/L m
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD078345.D
Acq: 05 Feb 2024 13:46



Tgt Ion:180 Resp: 1827
Ion Ratio Lower Upper
180 100
182 68.7 75.4 113.0#
145 0.0 26.8 40.2#

