

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073024\
 Data File : VW029799.D
 Acq On : 30 Jul 2024 12:41
 Operator : SY/MD
 Sample : P3391-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/31/2024
 Supervised By :Semsettin Yesilyurt 07/31/2024

Quant Time: Jul 31 02:50:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM072424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 31 01:58:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	231428	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	219499	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	102456	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	62051	18.886	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.560%		
7) Chloroethane-d5	2.899	69	50560	21.555	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.200%		
11) 1,1-Dichloroethene-d2	4.021	65	30710	20.476	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	81.920%		
21) 2-Butanone-d5	7.069	46	40950	45.474	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	90.940%		
24) Chloroform-d	7.642	84	143134	23.892	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	95.560%		
26) 1,2-Dichloroethane-d4	8.301	65	83950	24.602	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	98.400%		
32) Benzene-d6	8.270	84	274126	23.114	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.440%		
36) 1,2-Dichloropropane-d6	9.270	67	90681	23.946	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.800%		
41) Toluene-d8	10.319	98	241236	22.876	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.520%		
43) trans-1,3-Dichloroprop...	10.575	79	33883	22.111	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	88.440%		
47) 2-Hexanone-d5	10.922	63	25837	41.377	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	82.760%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	67409	23.973	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	95.880%		
66) 1,2-Dichlorobenzene-d4	13.849	152	75342	23.683	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	3469m	1.112	ug/L	
3) Chloromethane	2.216	50	4839	1.254	ug/L	98
5) Vinyl chloride	2.369	62	4817	1.114	ug/L	83
6) Bromomethane	2.783	94	2742	1.155	ug/L	84
8) Chloroethane	2.942	64	3033	1.233	ug/L	95
9) Trichlorofluoromethane	3.259	101	3405	0.986	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	4768m	1.386	ug/L	
12) 1,1-Dichloroethene	4.039	96	4094m	1.295	ug/L	
14) Carbon disulfide	4.381	76	12051	1.145	ug/L #	91
15) Methyl Acetate	4.692	43	1841m	0.988	ug/L	
16) Methylene chloride	4.923	84	20499	4.237	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	3793	1.113	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	5425	0.966	ug/L #	66
19) 1,1-Dichloroethane	6.216	63	7999	1.113	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	3910	1.058	ug/L #	88
22) 2-Butanone	7.173	43	3300m	2.301	ug/L	
23) Bromochloromethane	7.514	128	1856	1.183	ug/L	90
25) Chloroform	7.679	83	8356	1.234	ug/L	94
27) 1,2-Dichloroethane	8.404	62	5862	1.188	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	4570	0.733	ug/L #	93
30) 1,1,1-Trichloroethane	7.868	97	5773	1.039	ug/L	99
31) Carbon tetrachloride	8.069	117	5569	1.112	ug/L	96
33) Benzene	8.319	78	17052	1.134	ug/L	100
34) Trichloroethene	9.093	95	4403	1.117	ug/L	95
35) Methylcyclohexane	9.331	83	5726	0.872	ug/L	87
37) 1,2-Dichloropropane	9.368	63	4528	1.099	ug/L #	96
38) Bromodichloromethane	9.648	83	5309	1.082	ug/L #	86
39) cis-1,3-Dichloropropene	10.069	75	5901	0.983	ug/L	93
40) 4-Methyl-2-pentanone	10.209	43	4763	1.819	ug/L	98
42) Toluene	10.386	91	16754	1.091	ug/L	93
44) trans-1,3-Dichloropropene	10.605	75	6777	1.360	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	3018	1.090	ug/L	96
46) Tetrachloroethene	10.861	164	3246	1.133	ug/L	97
48) 2-Hexanone	10.971	43	3846	1.962	ug/L #	96
49) Dibromochloromethane	11.129	129	3034	1.056	ug/L	99
50) 1,2-Dibromoethane	11.233	107	2900	1.132	ug/L #	85
51) Chlorobenzene	11.654	112	10706	1.121	ug/L	92
52) Ethylbenzene	11.727	91	16993	0.981	ug/L	97
53) m,p-Xylene	11.837	106	5679	0.892	ug/L	95
54) o-Xylene	12.166	106	4953	0.845	ug/L	91
55) Styrene	12.178	104	8560	0.842	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	3705	1.090	ug/L #	89
59) Bromoform	12.349	173	1694	1.099	ug/L #	97
60) Isopropylbenzene	12.459	105	13552	0.855	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	2785	1.118	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	10536	0.894	ug/L	94
63) 1,2,4-Trimethylbenzene	13.245	105	9880	0.784	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	6641	0.982	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	7993	1.150	ug/L	96
67) 1,2-Dichlorobenzene	13.861	146	7119	1.156	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.483	75	731m	1.292	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	4530	0.979	ug/L	93
70) 1,2,4-trichlorobenzene	15.129	180	3515	0.902	ug/L	98
71) Naphthalene	15.360	128	5639	0.758	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.549	180	3150	0.893	ug/L	95

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

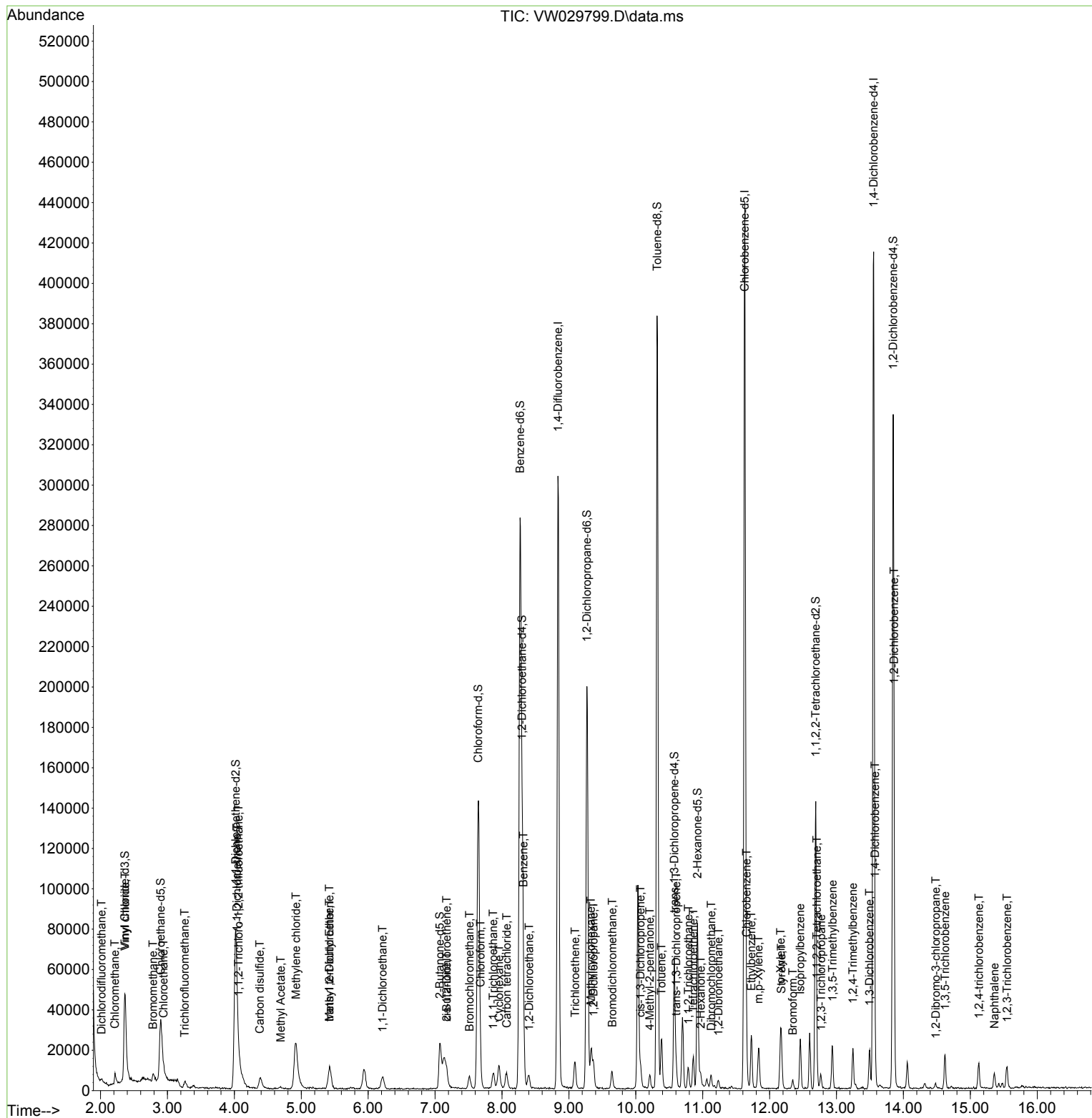
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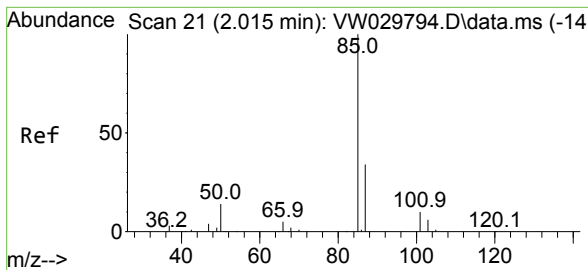
Instrument :
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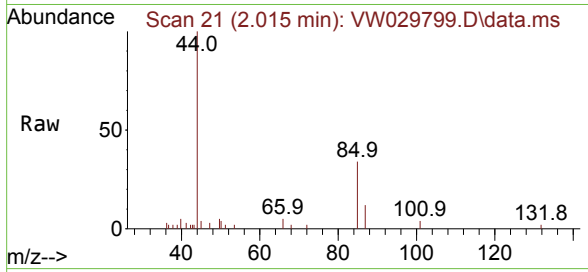
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024





#2
Dichlorodifluoromethane
Concen: 1.112 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

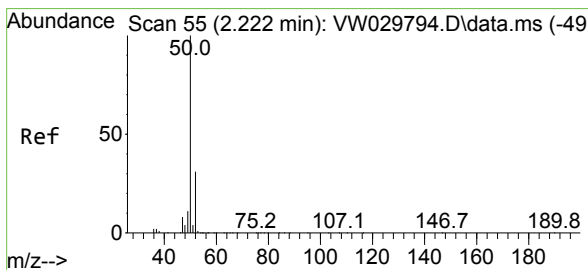
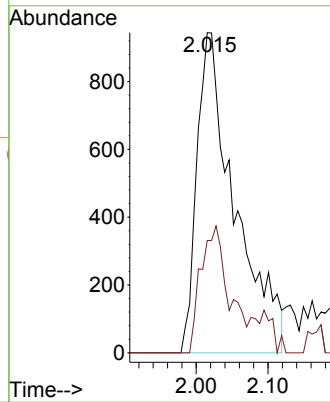
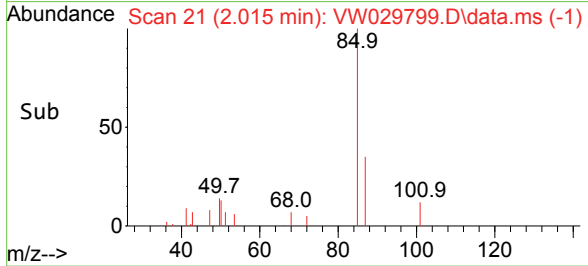
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2024-05



Tgt Ion: 85 Resp: 3469
Ion Ratio Lower Upper
85 100
87 0.5 25.5 38.3

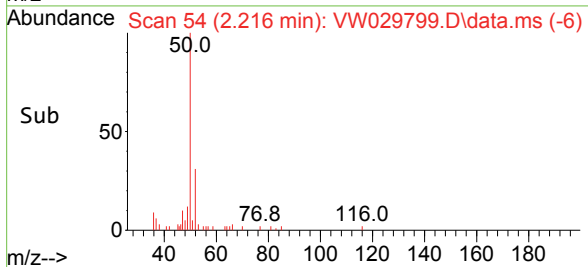
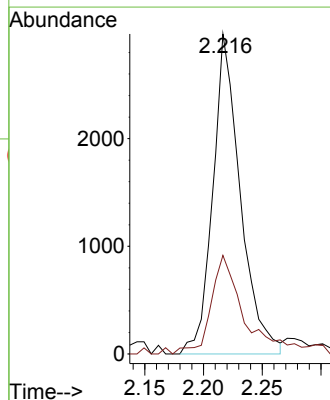
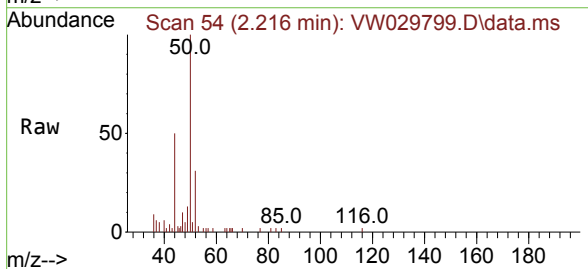
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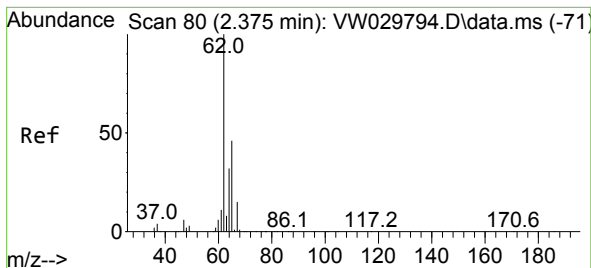
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#3
Chloromethane
Concen: 1.254 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

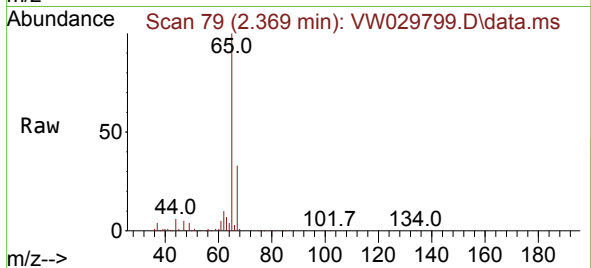
Tgt Ion: 50 Resp: 4839
Ion Ratio Lower Upper
50 100
52 30.8 22.5 41.9





#5
Vinyl chloride
Concen: 1.114 ug/L
RT: 2.369 min Scan# 79
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

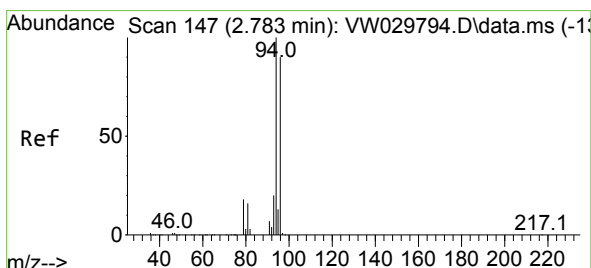
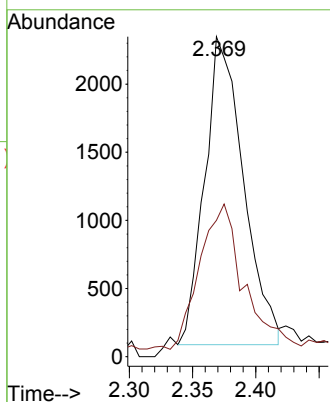
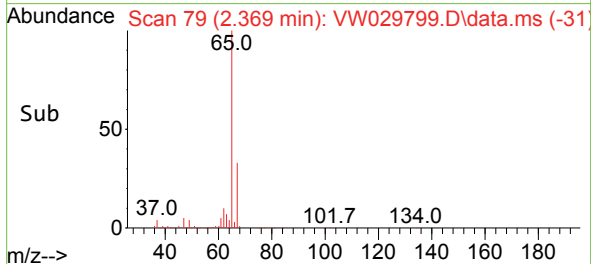
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 62 Resp: 481
Ion Ratio Lower Upper
62 100
64 42.6 23.2 43.2

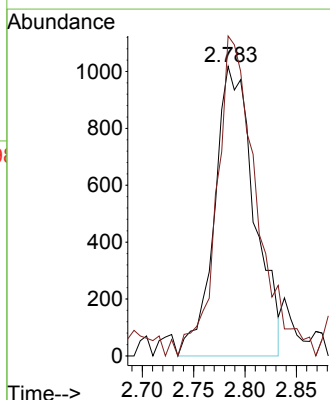
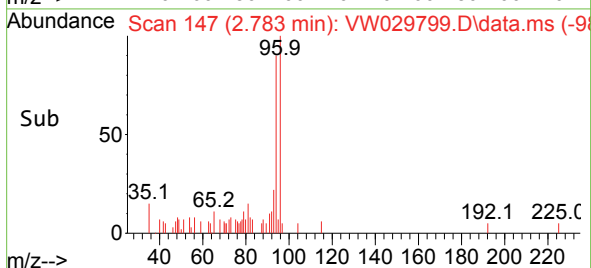
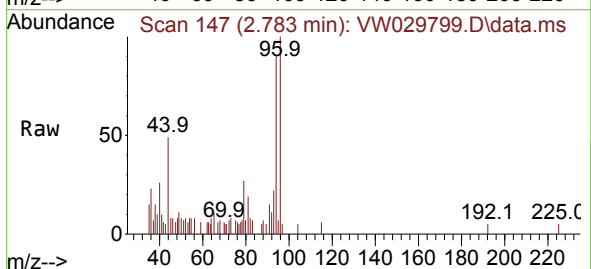
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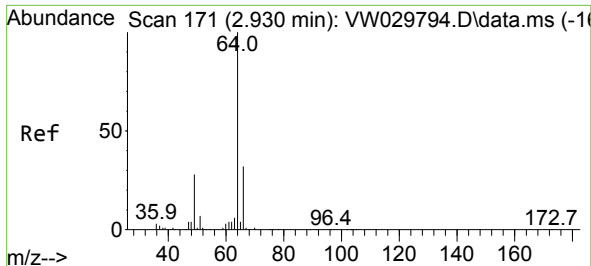
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#6
Bromomethane
Concen: 1.155 ug/L
RT: 2.783 min Scan# 147
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

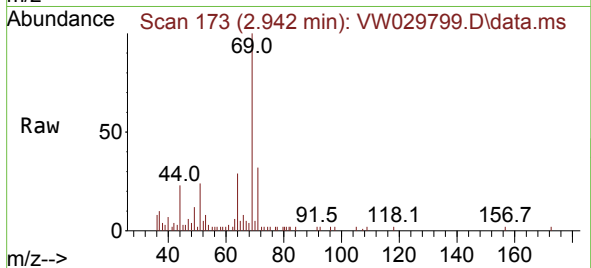
Tgt Ion: 94 Resp: 2742
Ion Ratio Lower Upper
94 100
96 110.5 66.2 123.0





#8
Chloroethane
Concen: 1.233 ug/L
RT: 2.942 min Scan# 171
Delta R.T. 0.012 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

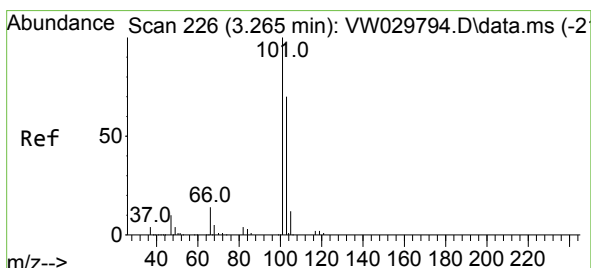
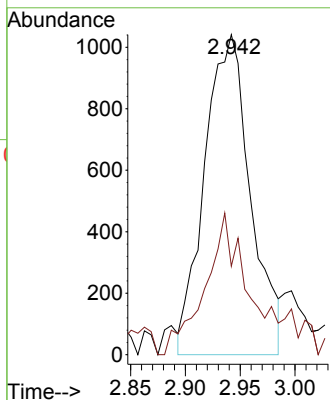
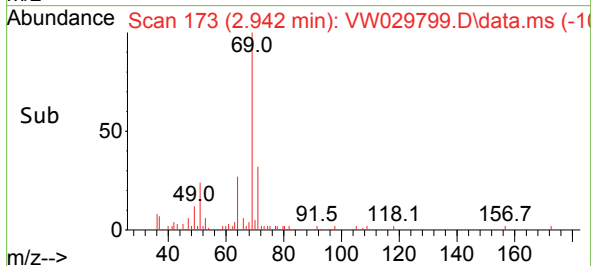
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 64 Resp: 303
Ion Ratio Lower Upper
64 100
66 27.7 21.2 39.4

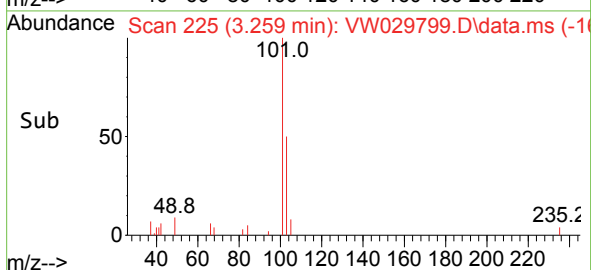
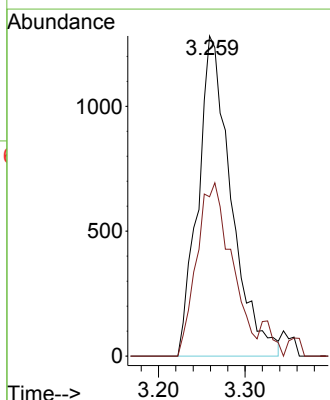
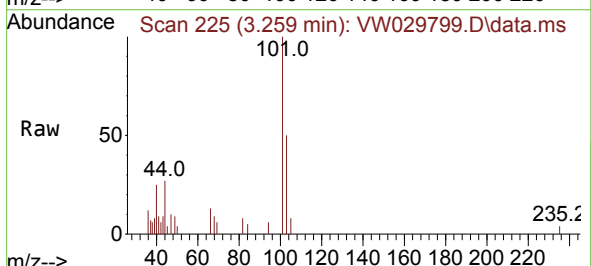
Manual Integrations
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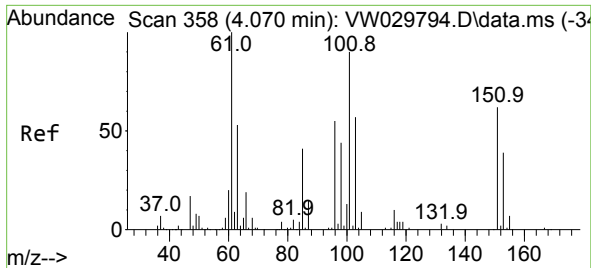
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#9
Trichlorofluoromethane
Concen: 0.986 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion:101 Resp: 3405
Ion Ratio Lower Upper
101 100
103 57.3 51.0 76.4





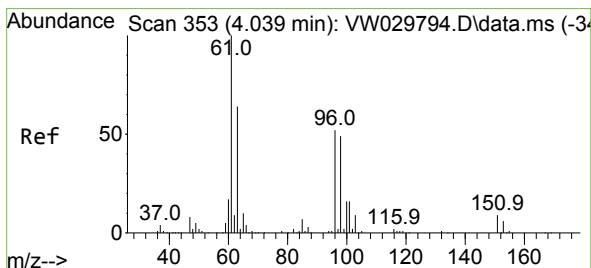
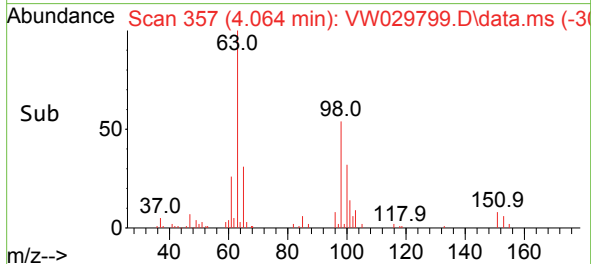
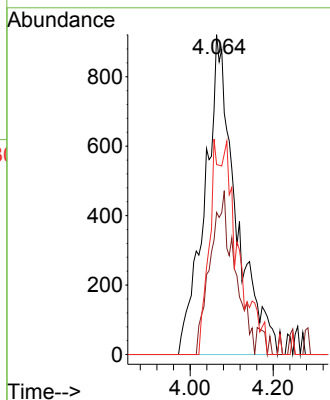
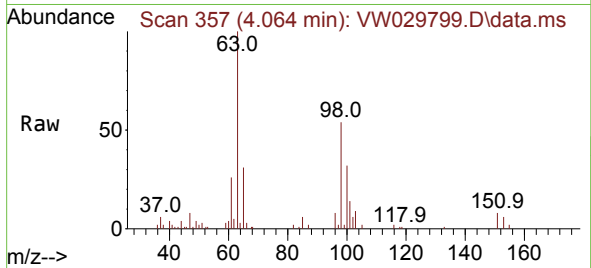
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.386 ug/L m
RT: 4.064 min Scan# 357
Delta R.T. -0.006 min
Lab File: VW029799.D
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Tgt Ion:101 Resp: 4768
Ion Ratio Lower Upper
101 100
85 17.2 34.2 51.4
151 22.3 54.2 81.2

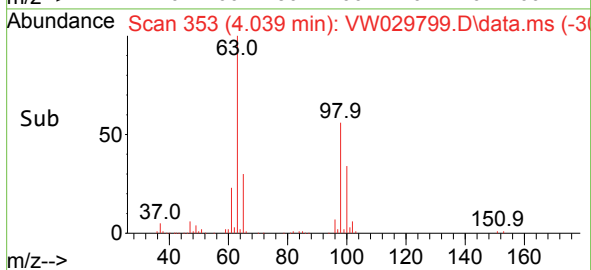
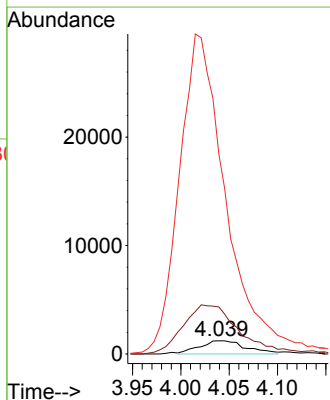
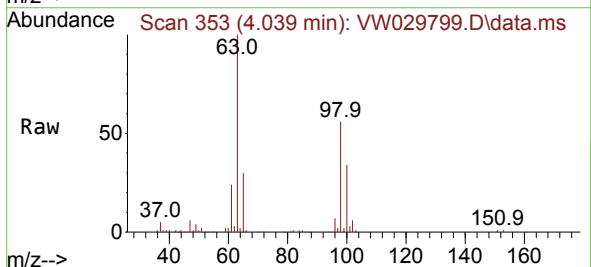
Manual Integrations
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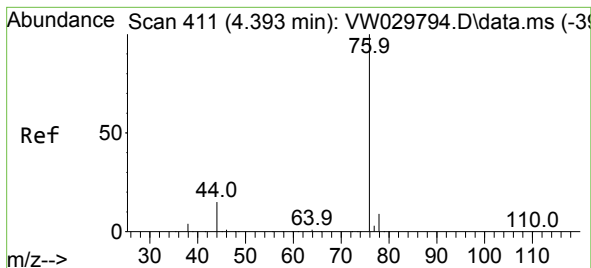
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#12
1,1-Dichloroethene
Concen: 1.295 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion: 96 Resp: 4094
Ion Ratio Lower Upper
96 100
61 358.4 138.3 256.9#
63 1524.0 89.0 165.4#





#14

Carbon disulfide

Concen: 1.145 ug/L

RT: 4.381 min Scan# 409

Delta R.T. -0.012 min

Lab File: VW029799.D

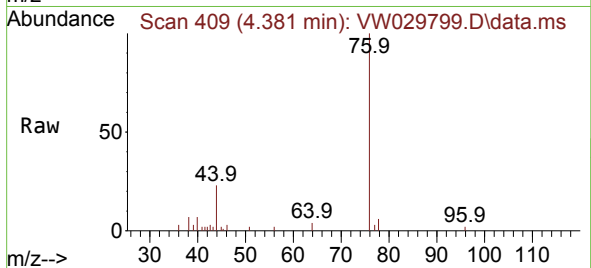
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Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion: 76 Resp: 1205

Ion Ratio Lower Upper

76 100

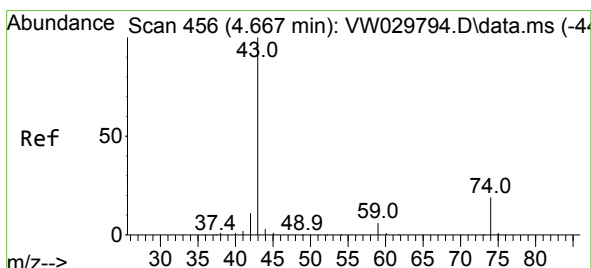
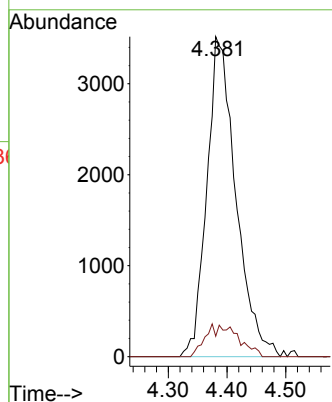
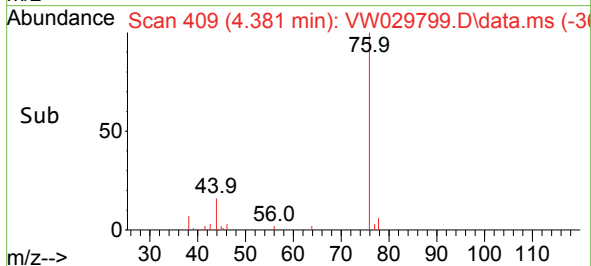
78 6.4 7.6 11.4

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#15

Methyl Acetate

Concen: 0.988 ug/L m

RT: 4.692 min Scan# 460

Delta R.T. 0.024 min

Lab File: VW029799.D

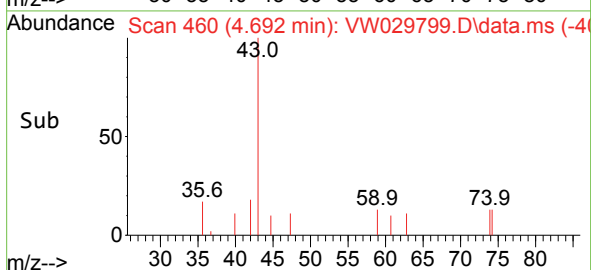
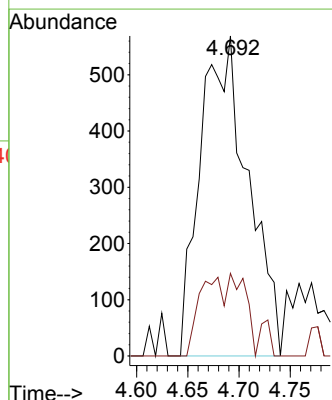
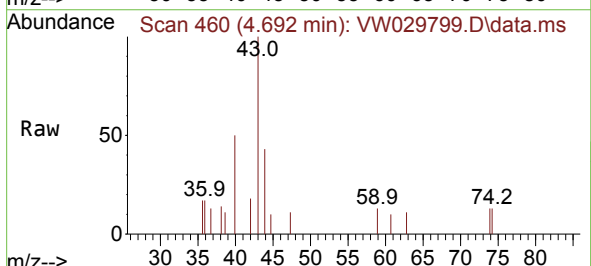
Acq: 30 Jul 2024 12:41

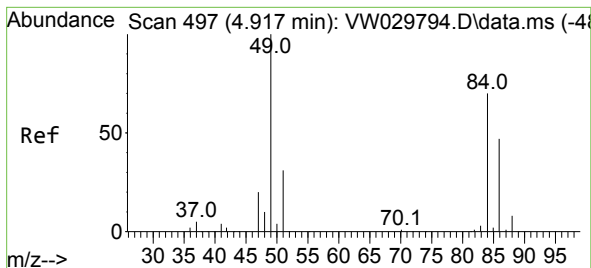
Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

74 13.0 16.5 24.7





#16

Methylene chloride

Concen: 4.237 ug/L

RT: 4.923 min Scan# 49

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

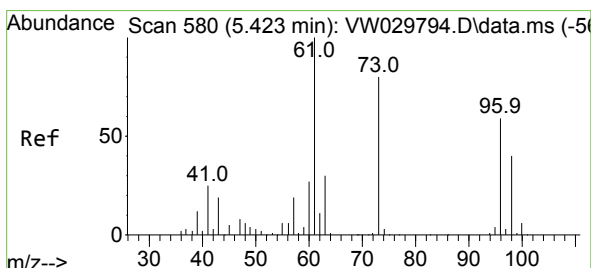
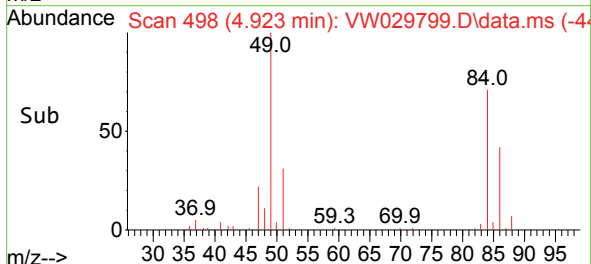
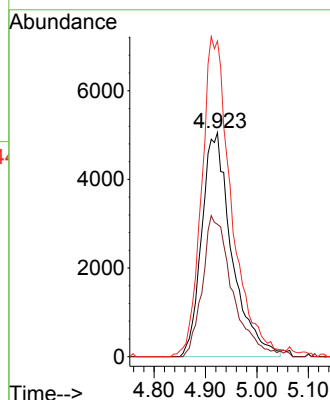
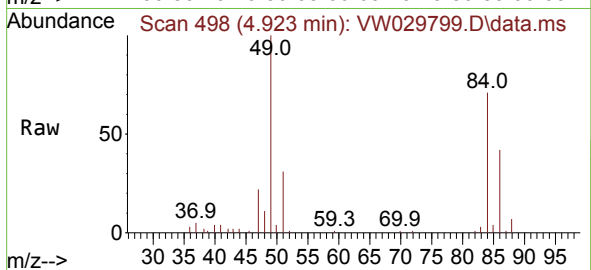
MDL-SOIL-QT3-2024-05

Tgt Ion:	84	Resp:	2049
Ion	Ratio	Lower	Upper
84	100		
86	59.0	44.7	82.9
49	140.8	99.0	184.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#17

trans-1,2-Dichloroethene

Concen: 1.113 ug/L

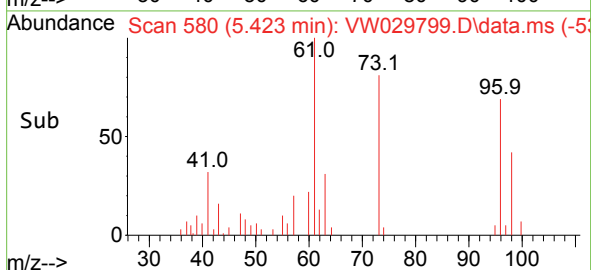
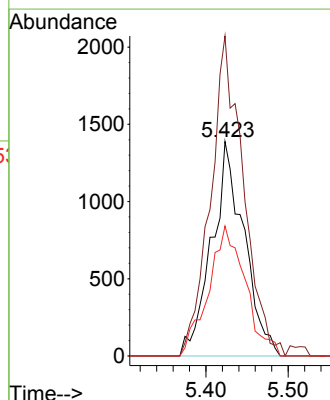
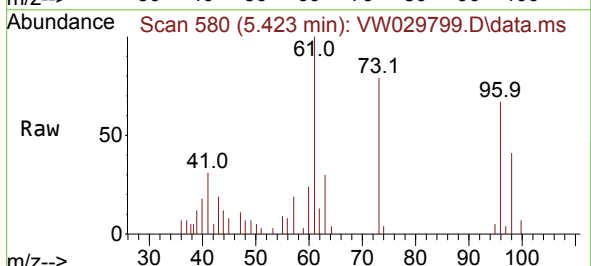
RT: 5.423 min Scan# 580

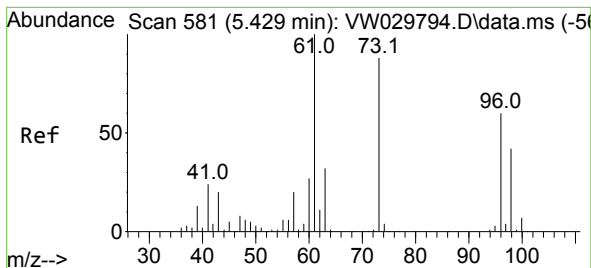
Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

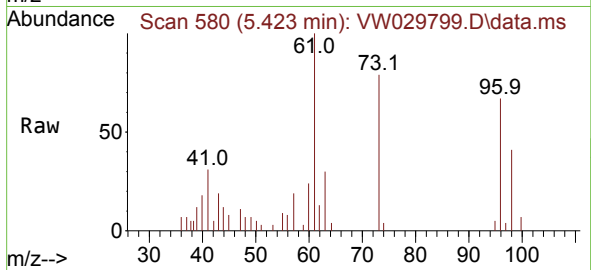
Tgt Ion:	96	Resp:	3793
Ion	Ratio	Lower	Upper
96	100		
61	149.3	111.2	206.6
98	60.6	45.0	83.6





#18
Methyl tert-butyl Ether
Concen: 0.966 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

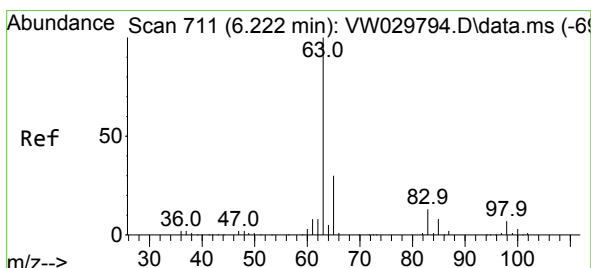
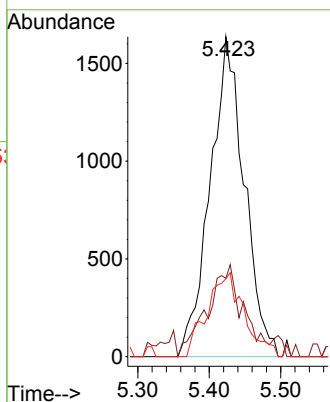
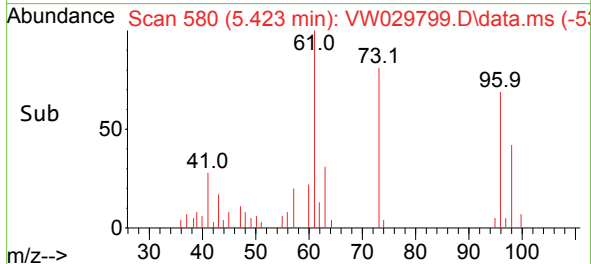
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 73 Resp: 5429
Ion Ratio Lower Upper
73 100
43 3.1 18.3 27.5
57 9.9 17.9 26.9

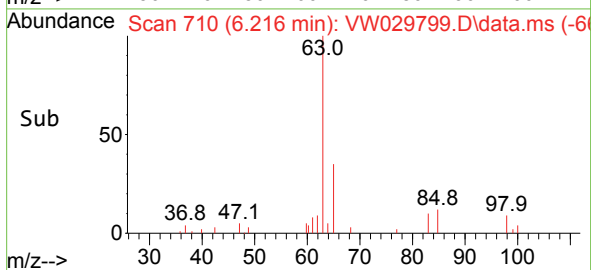
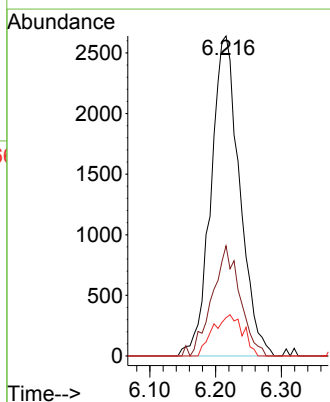
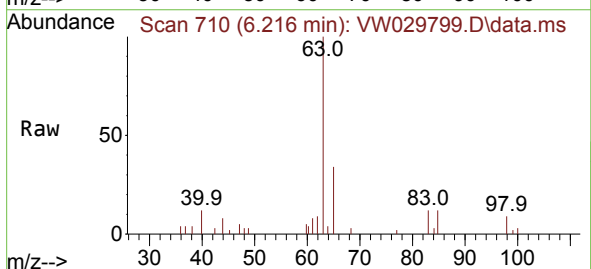
Manual Integrations
APPROVED

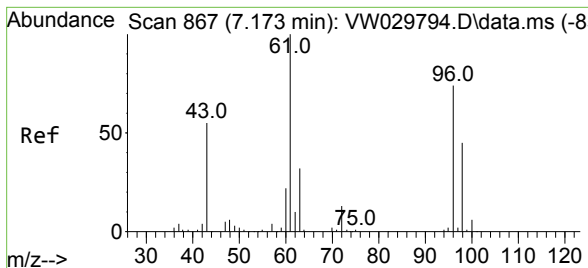
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#19
1,1-Dichloroethane
Concen: 1.113 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

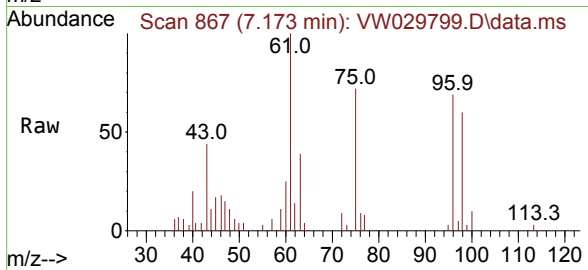
Tgt Ion: 63 Resp: 7999
Ion Ratio Lower Upper
63 100
65 34.4 22.3 41.3
83 12.0 8.5 15.7





#20
cis-1,2-Dichloroethene
Concen: 1.058 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

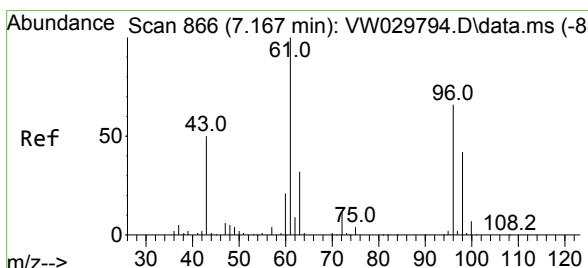
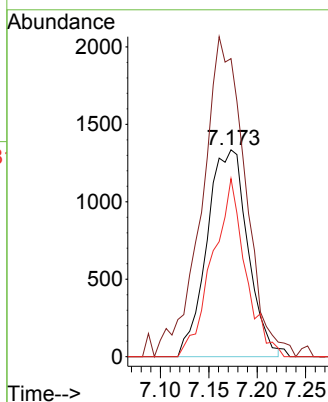
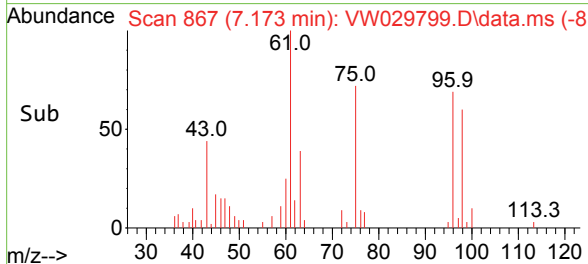
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 96 Resp: 3910
Ion Ratio Lower Upper
96 100
61 144.0 98.2 182.4
98 86.1 41.9 77.9

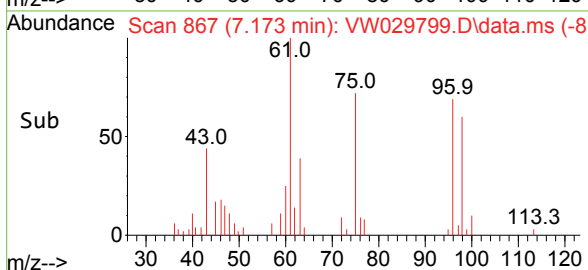
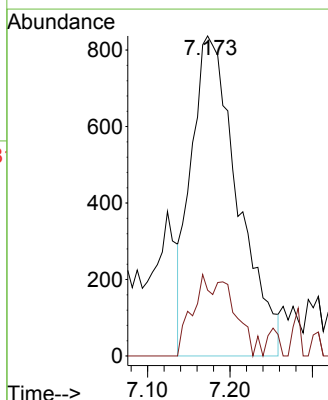
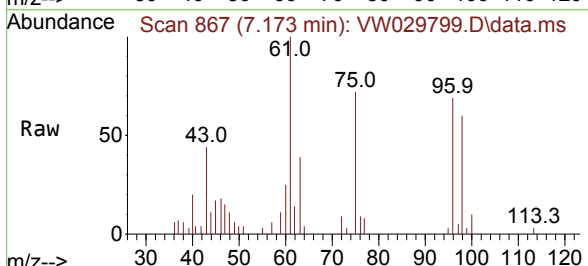
Manual Integrations
APPROVED

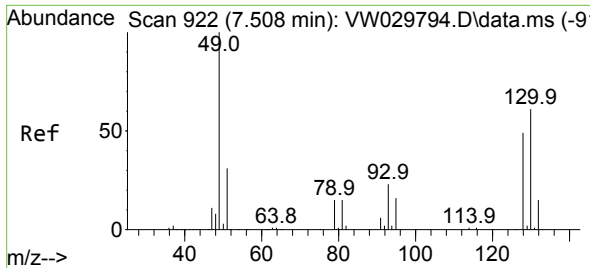
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#22
2-Butanone
Concen: 2.301 ug/L m
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

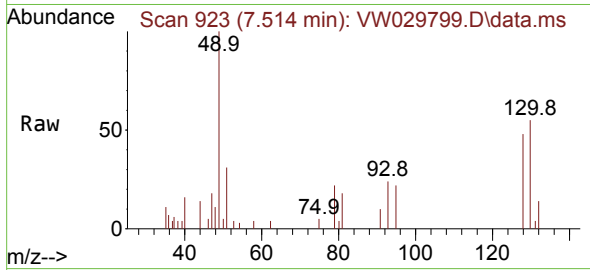
Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
72 1.3 11.7 35.1#





#23
Bromochloromethane
Concen: 1.183 ug/L
RT: 7.514 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

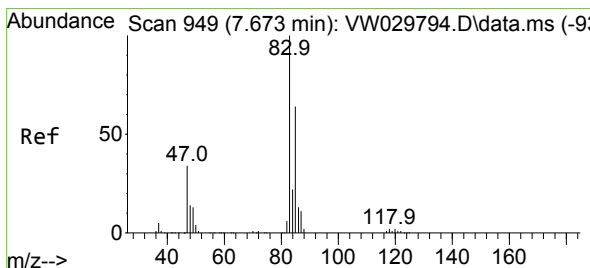
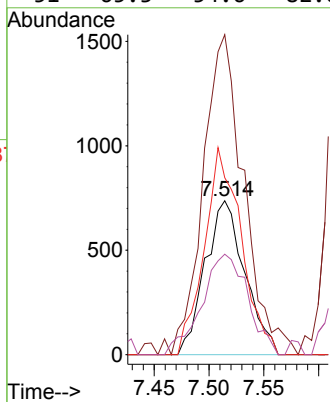
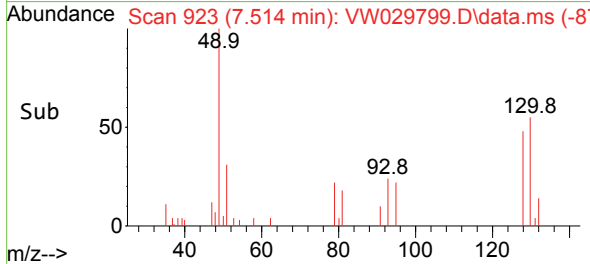
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:128 Resp: 1850
Ion Ratio Lower Upper
128 100
49 207.9 151.1 280.7
130 114.9 96.8 179.8
51 65.3 54.6 82.0

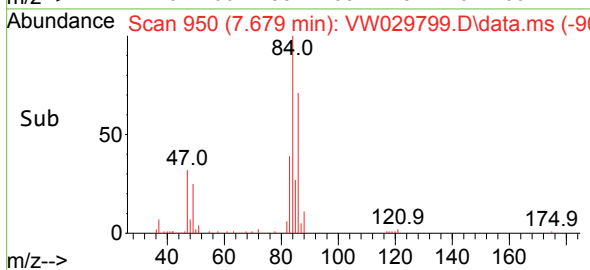
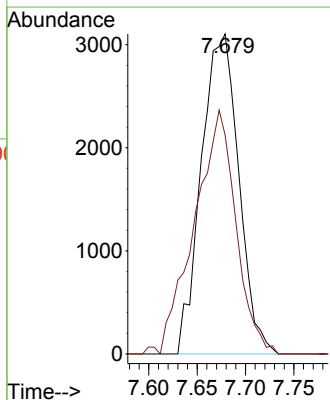
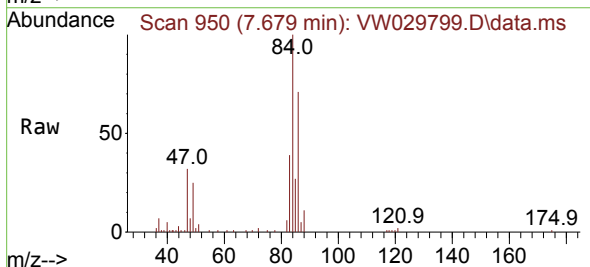
Manual Integrations
APPROVED

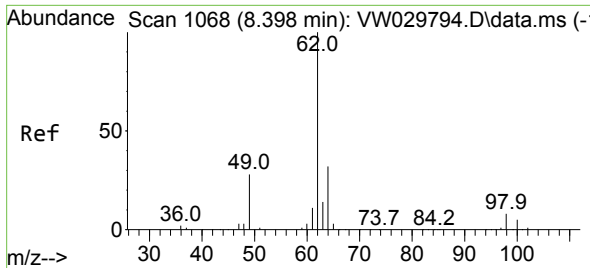
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#25
Chloroform
Concen: 1.234 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion: 83 Resp: 8356
Ion Ratio Lower Upper
83 100
85 68.4 44.4 82.4





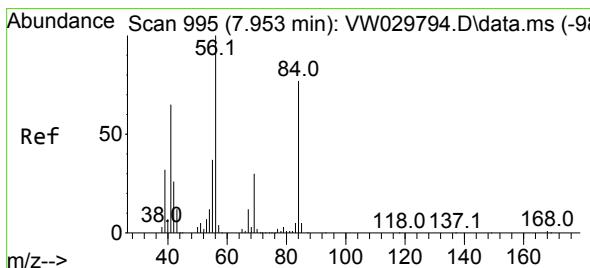
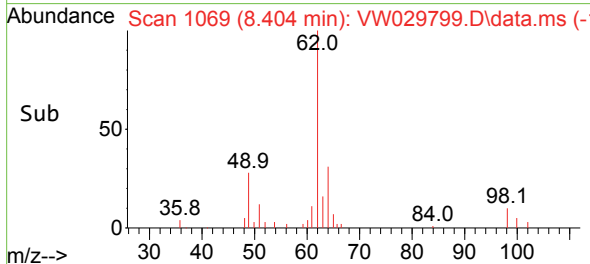
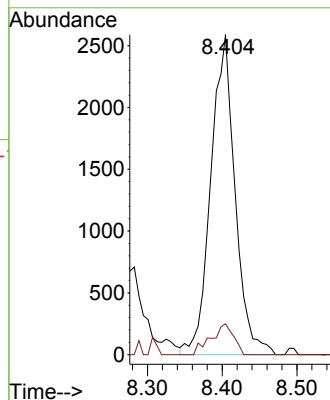
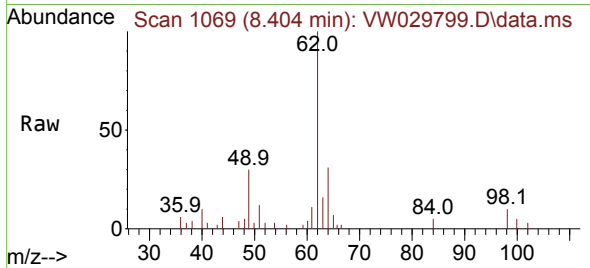
#27
1,2-Dichloroethane
Concen: 1.188 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2024-05

Tgt Ion: 62 Resp: 5862
Ion Ratio Lower Upper
62 100
98 9.7 6.6 10.0

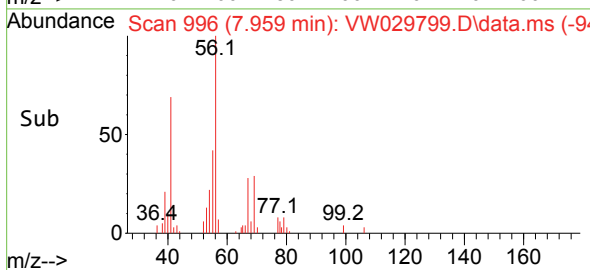
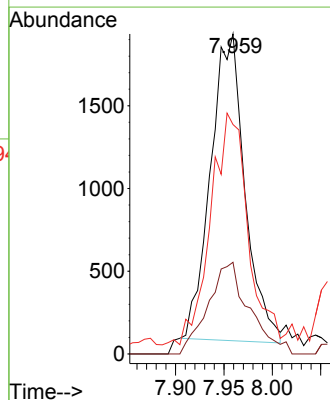
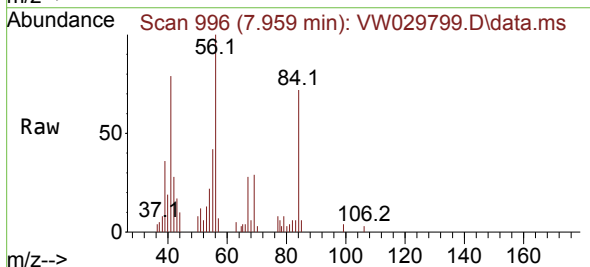
Manual Integrations
APPROVED

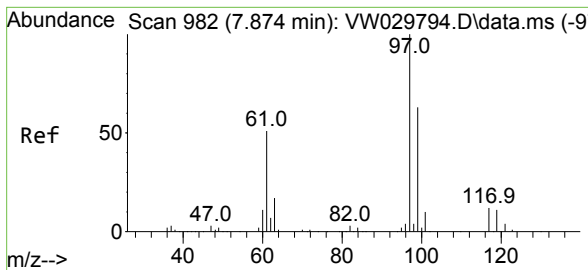
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#29
Cyclohexane
Concen: 0.733 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

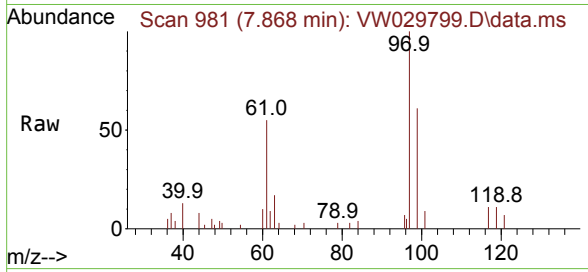
Tgt Ion: 56 Resp: 4570
Ion Ratio Lower Upper
56 100
69 35.2 23.0 34.4#
84 83.9 63.5 95.3





#30
1,1,1-Trichloroethane
Concen: 1.039 ug/L
RT: 7.868 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

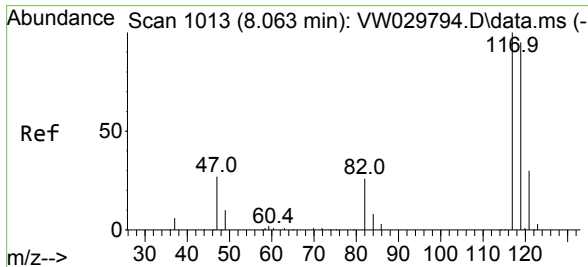
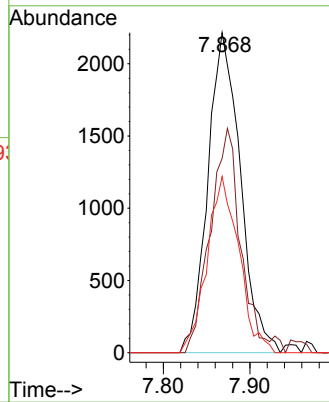
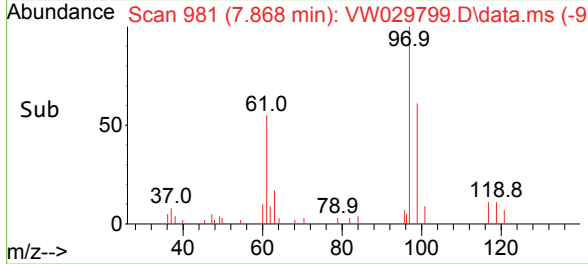
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 97 Resp: 577
Ion Ratio Lower Upper
97 100
99 65.3 52.1 78.1
61 54.1 42.6 63.8

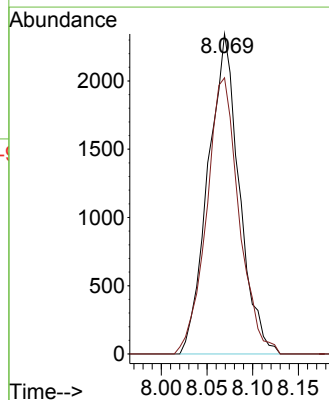
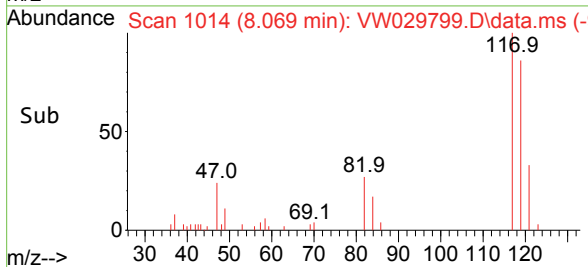
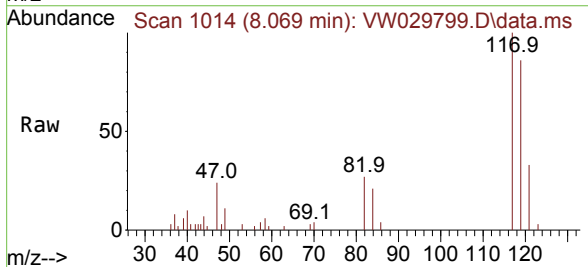
Manual Integrations
APPROVED

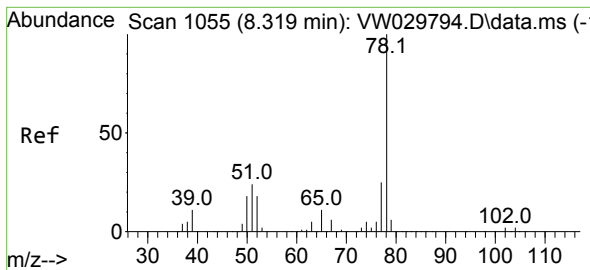
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#31
Carbon tetrachloride
Concen: 1.112 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion:117 Resp: 5569
Ion Ratio Lower Upper
117 100
119 89.6 74.8 112.2





#33

Benzene

Concen: 1.134 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

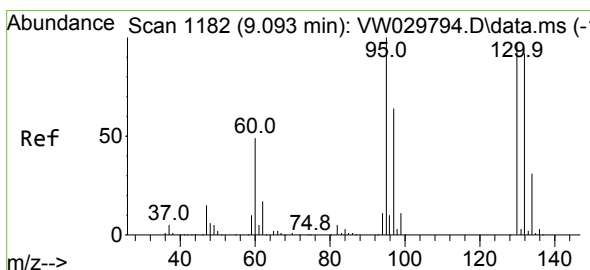
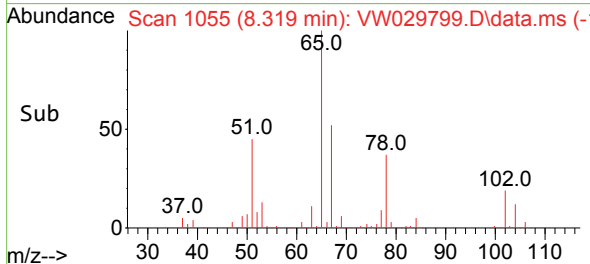
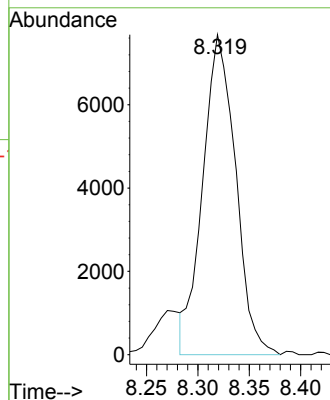
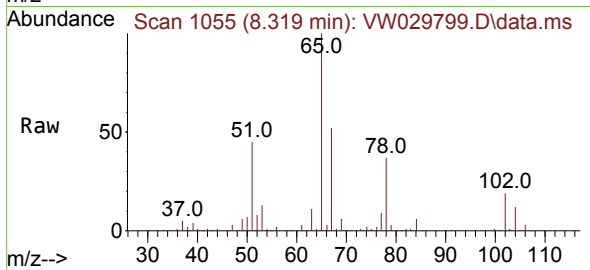
Tgt Ion: 78 Resp: 1705

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#34

Trichloroethene

Concen: 1.117 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Tgt Ion: 95 Resp: 4403

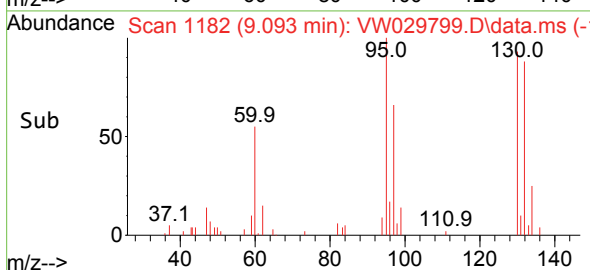
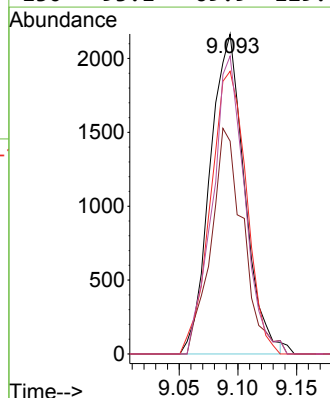
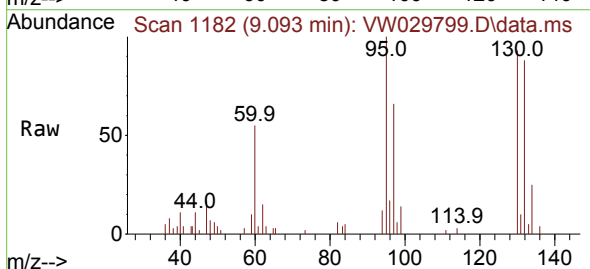
Ion Ratio Lower Upper

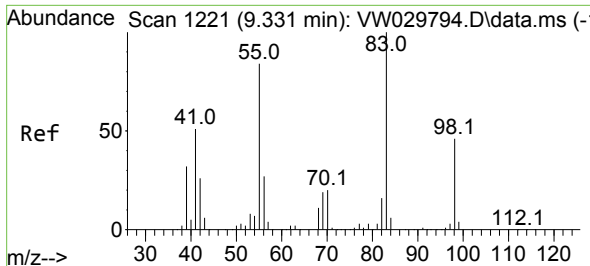
95 100

97 66.5 45.6 84.8

132 88.4 65.2 121.0

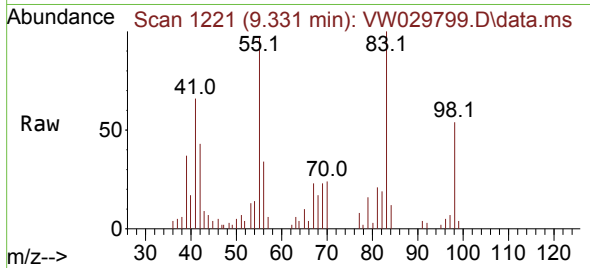
130 93.1 69.9 129.7





#35
Methylcyclohexane
Concen: 0.872 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

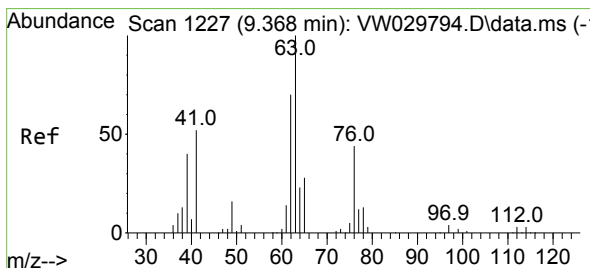
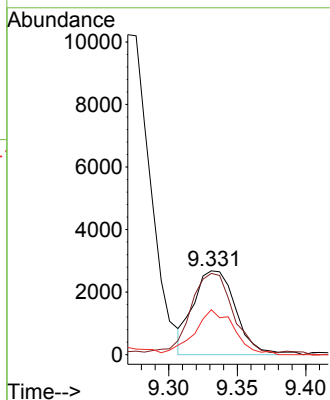
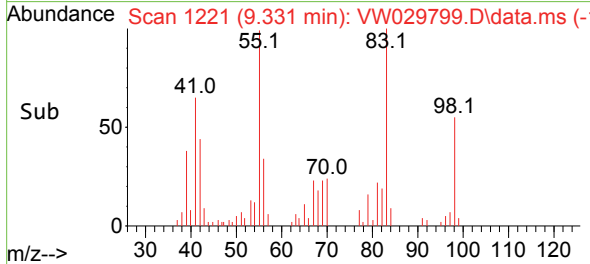
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 83 Resp: 5720
Ion Ratio Lower Upper
83 100
55 99.1 67.4 101.2
98 50.7 36.7 55.1

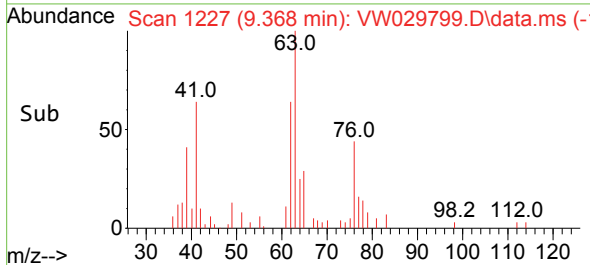
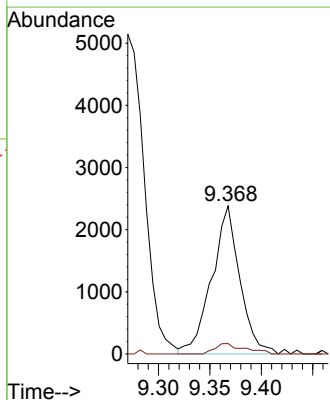
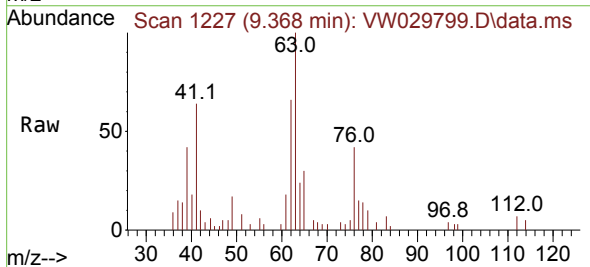
Manual Integrations
APPROVED

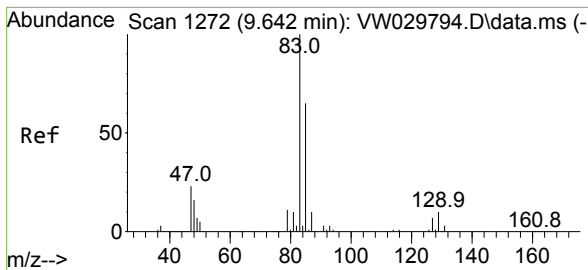
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#37
1,2-Dichloropropane
Concen: 1.099 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion: 63 Resp: 4528
Ion Ratio Lower Upper
63 100
112 5.3 3.3 4.9#





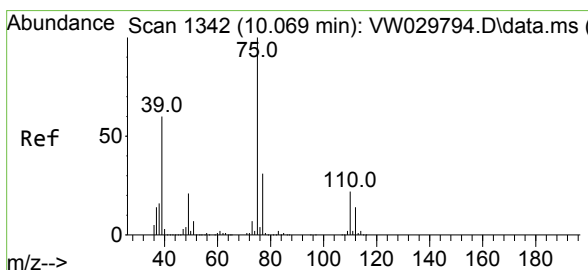
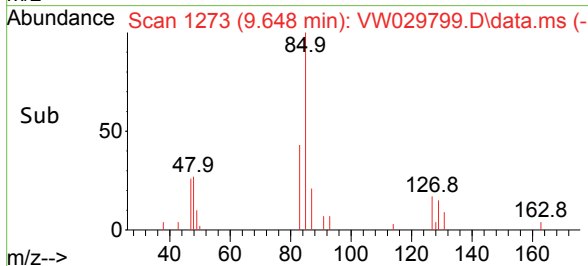
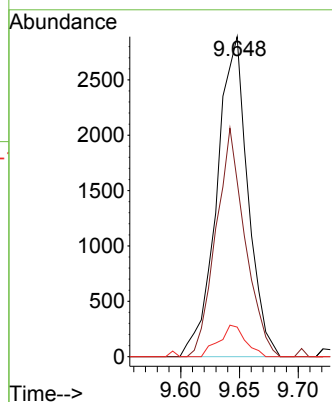
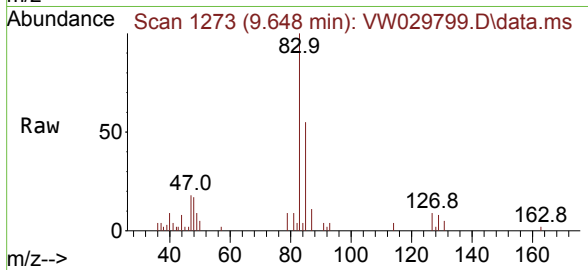
#38
Bromodichloromethane
Concen: 1.082 ug/L
RT: 9.648 min Scan# 1272
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion: 83 Resp: 5309
Ion Ratio Lower Upper
83 100
85 54.8 46.6 86.6
127 9.2 5.9 8.9

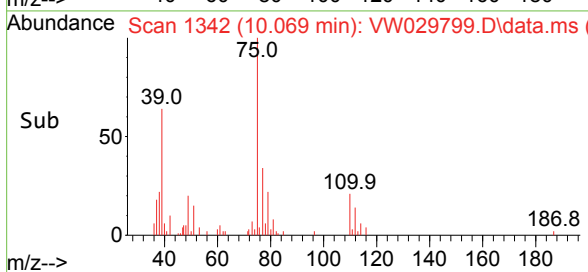
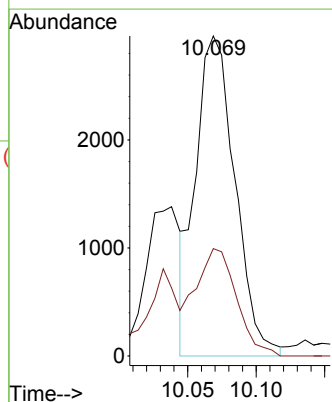
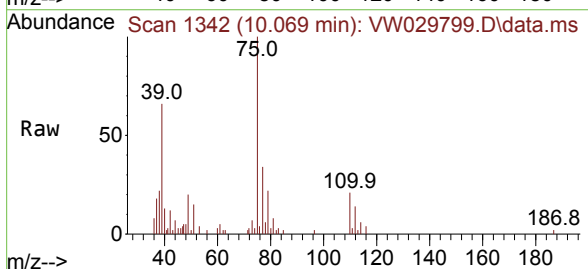
Manual Integrations
APPROVED

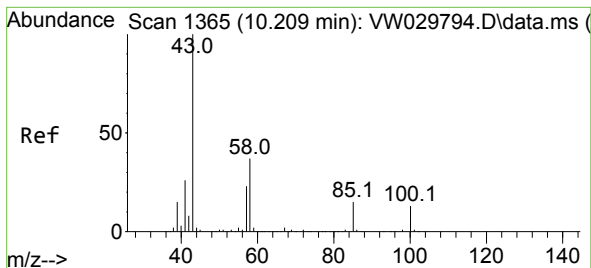
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#39
cis-1,3-Dichloropropene
Concen: 0.983 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

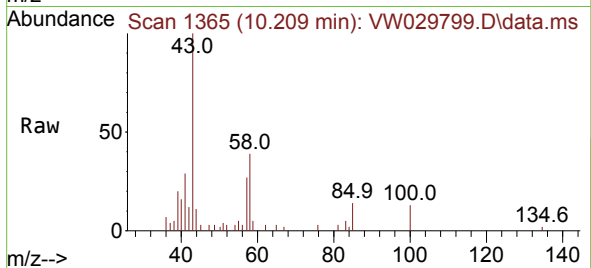
Tgt Ion: 75 Resp: 5901
Ion Ratio Lower Upper
75 100
77 33.5 20.8 38.6





#40
4-Methyl-2-pentanone
Concen: 1.819 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

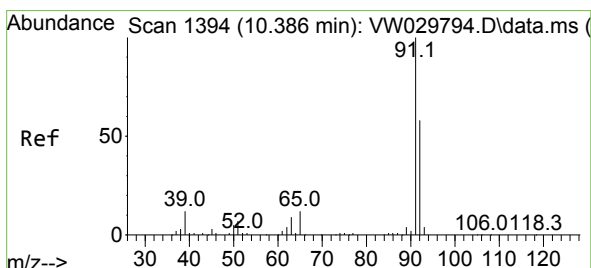
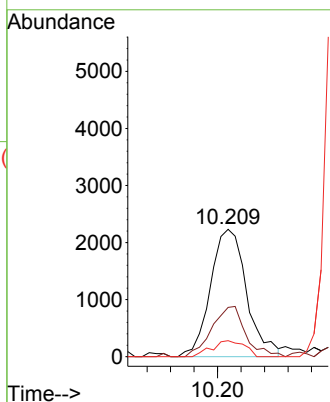
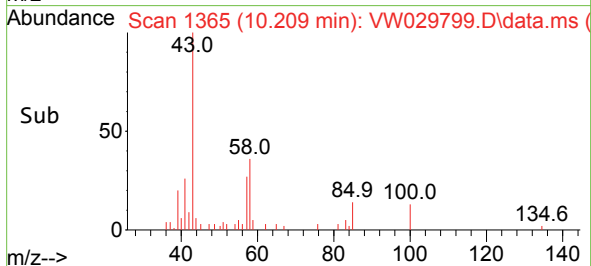
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
58 36.8 28.7 43.1
100 11.5 10.0 15.0

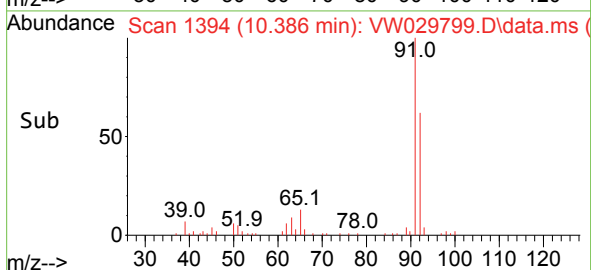
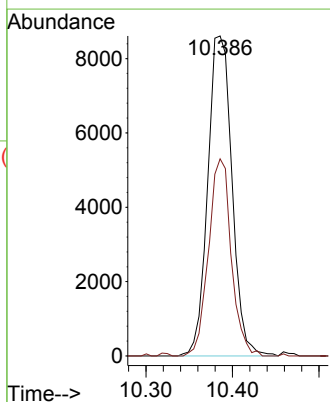
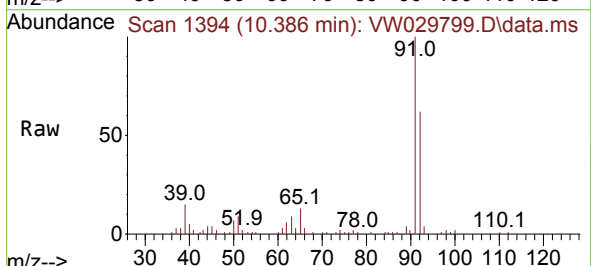
Manual Integrations
APPROVED

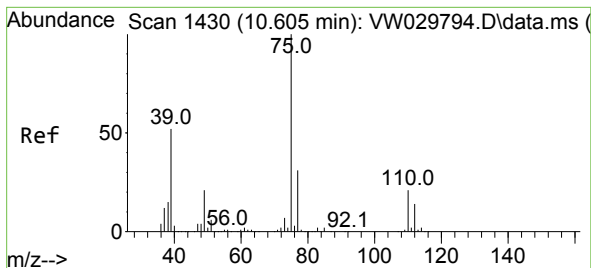
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#42
Toluene
Concen: 1.091 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion: 91 Resp: 16754
Ion Ratio Lower Upper
91 100
92 61.6 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 1.360 ug/L

RT: 10.605 min Scan# 14

Delta R.T. 0.000 min

Lab File: VW029799.D

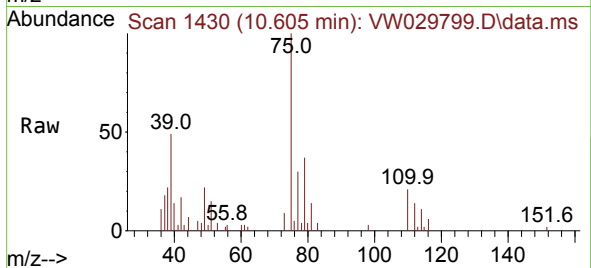
Acq: 30 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion: 75 Resp: 677

Ion Ratio Lower Upper

75 100

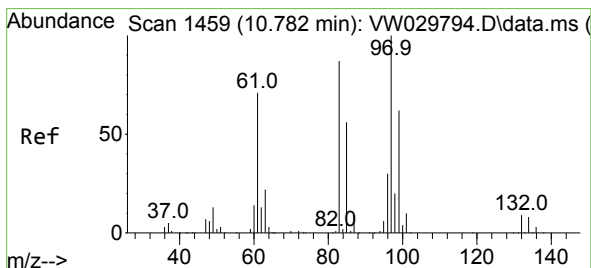
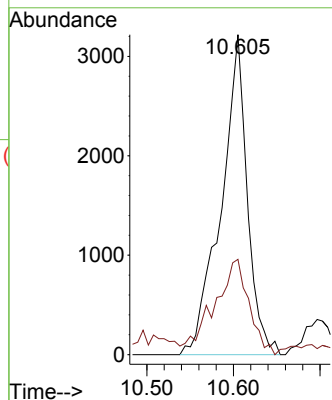
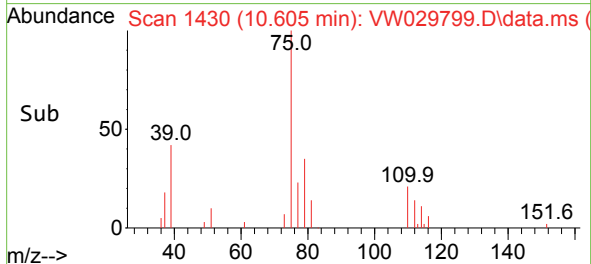
77 29.8 22.0 41.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#45

1,1,2-Trichloroethane

Concen: 1.090 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Tgt Ion: 97 Resp: 3018

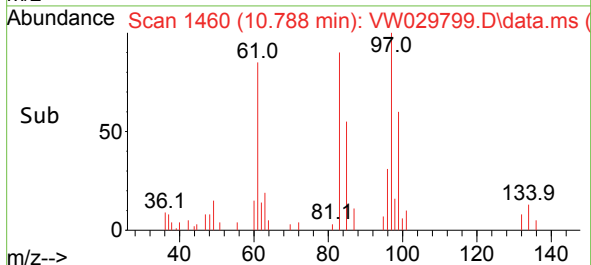
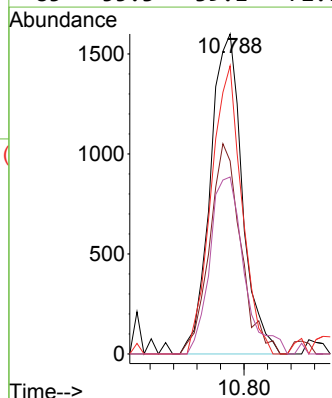
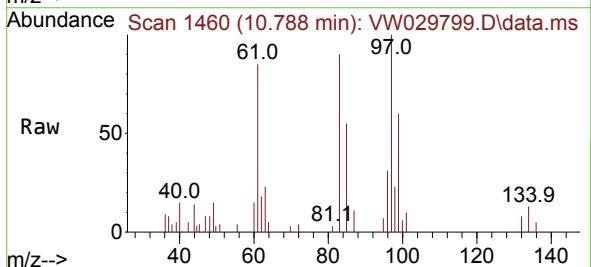
Ion Ratio Lower Upper

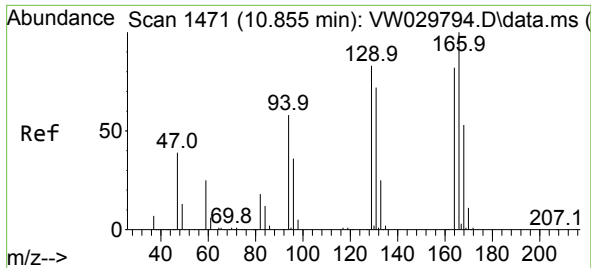
97 100

99 60.3 40.1 74.5

83 90.1 58.5 108.7

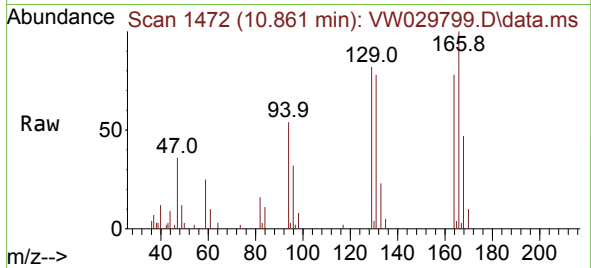
85 55.3 39.1 72.7





#46
Tetrachloroethene
Concen: 1.133 ug/L
RT: 10.861 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

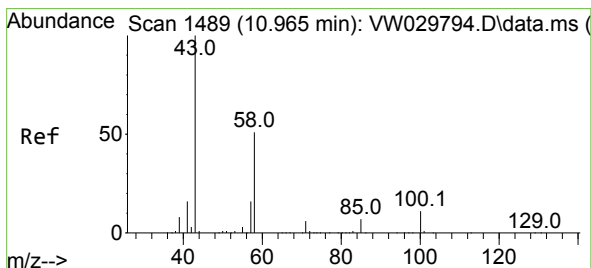
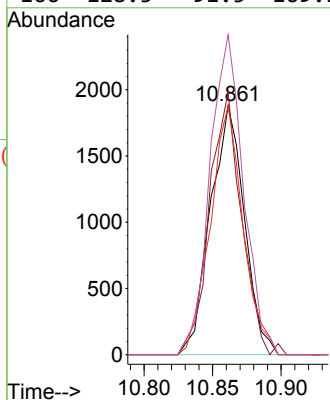
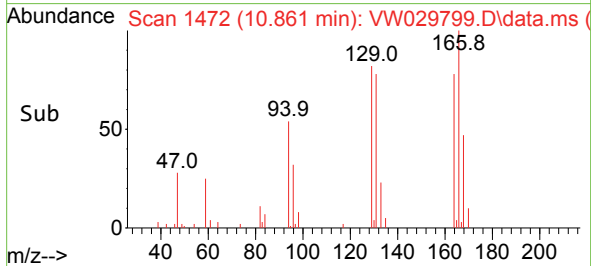
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



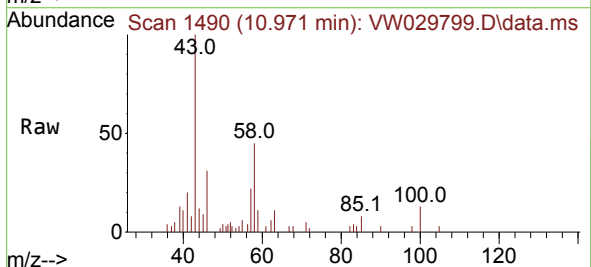
Tgt Ion:164 Resp: 3240
Ion Ratio Lower Upper
164 100
129 105.6 77.8 144.6
131 99.9 70.9 131.7
166 128.5 91.5 169.9

Manual Integrations
APPROVED

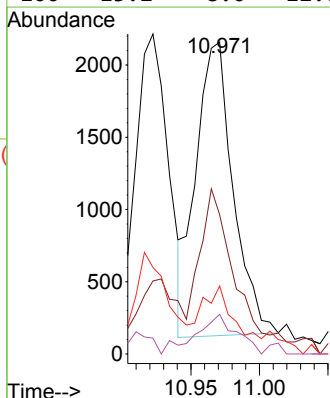
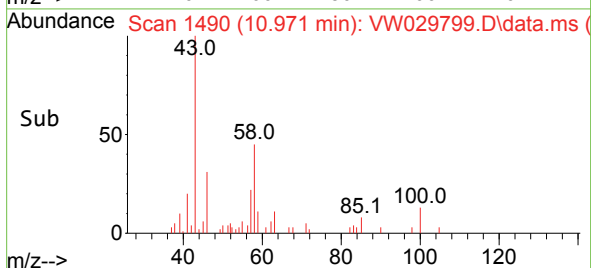
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

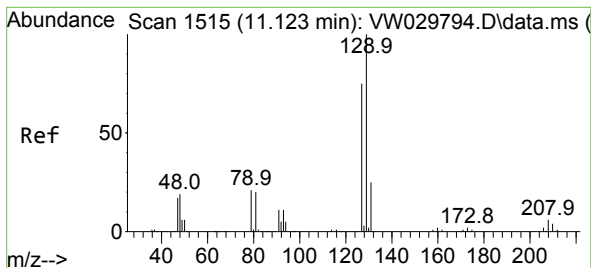


#48
2-Hexanone
Concen: 1.962 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41



Tgt Ion: 43 Resp: 3846
Ion Ratio Lower Upper
43 100
58 52.4 41.0 61.4
57 14.3 14.1 21.1
100 13.2 8.0 12.0#





#49

Dibromochloromethane

Concen: 1.056 ug/L

RT: 11.129 min Scan# 1515

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion:129 Resp: 3034

Ion Ratio Lower Upper

129 100

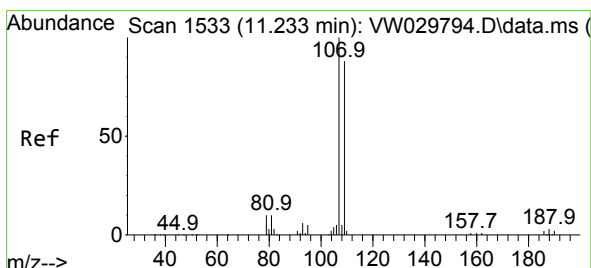
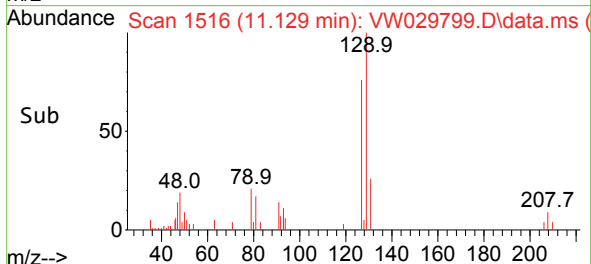
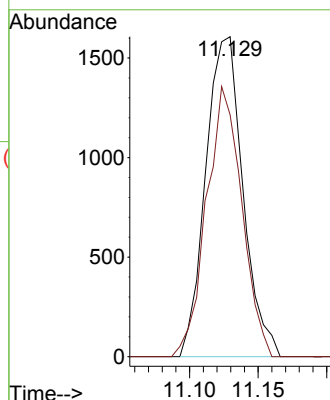
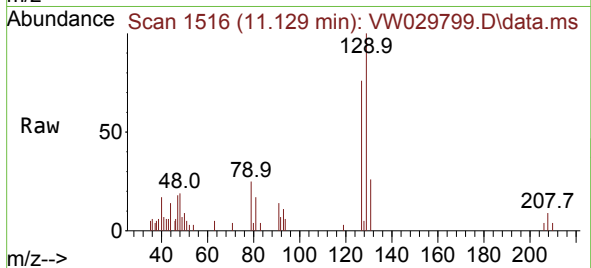
127 75.5 52.4 97.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#50

1,2-Dibromoethane

Concen: 1.132 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

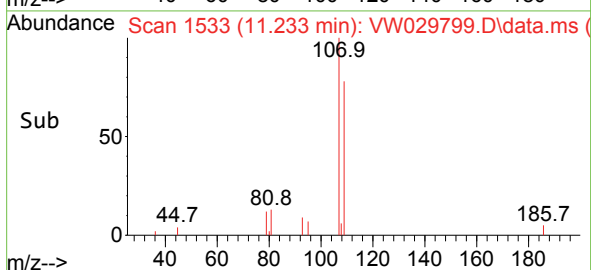
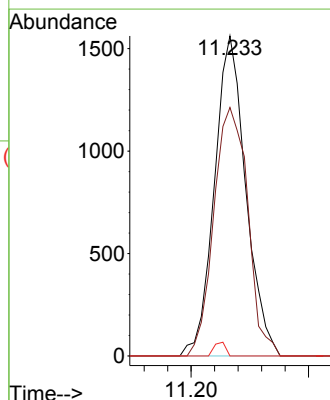
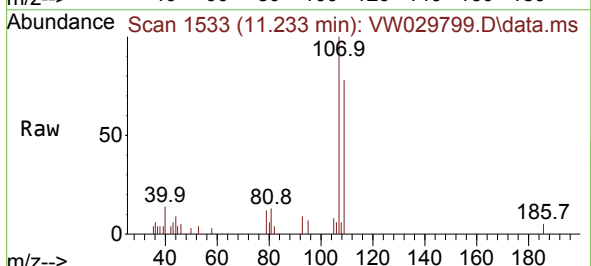
Tgt Ion:107 Resp: 2900

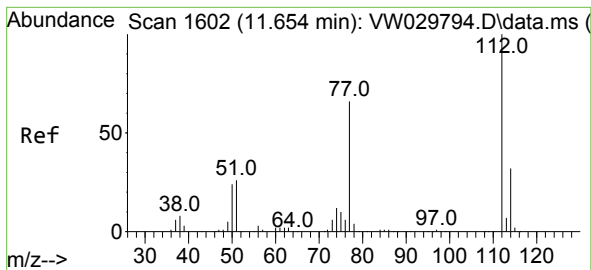
Ion Ratio Lower Upper

107 100

109 77.7 64.8 120.3

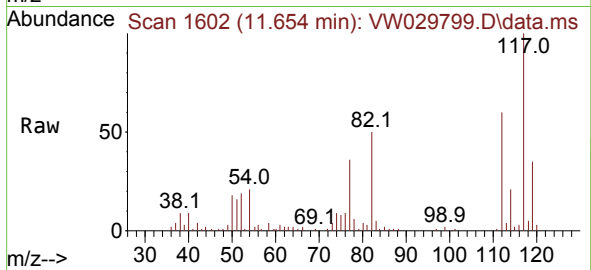
188 0.0 2.7 4.1#





#51
Chlorobenzene
Concen: 1.121 ug/L
RT: 11.654 min Scan# 112
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

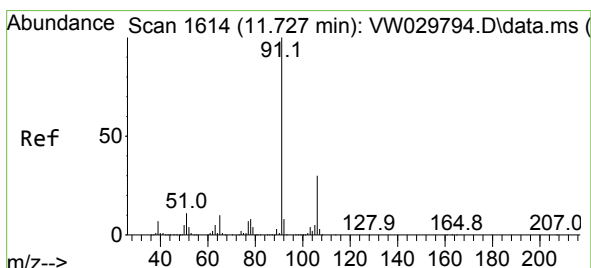
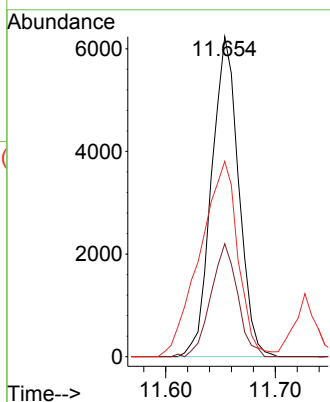
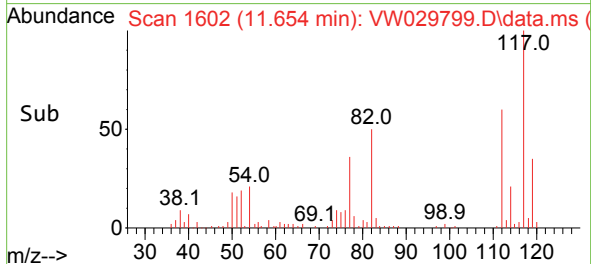
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:112 Resp: 10700
Ion Ratio Lower Upper
112 100
114 35.3 22.0 40.8
77 61.0 53.8 80.8

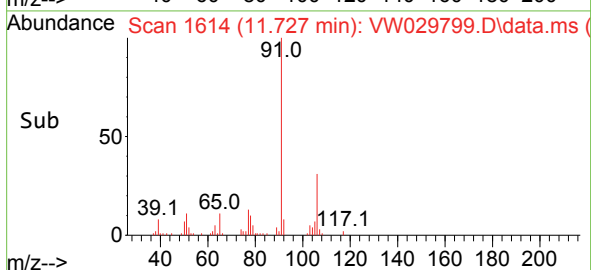
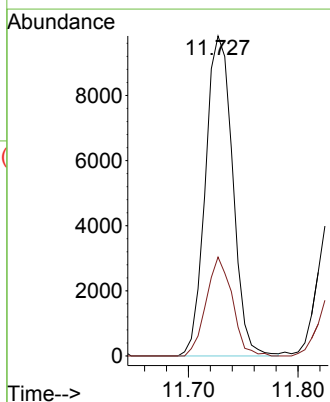
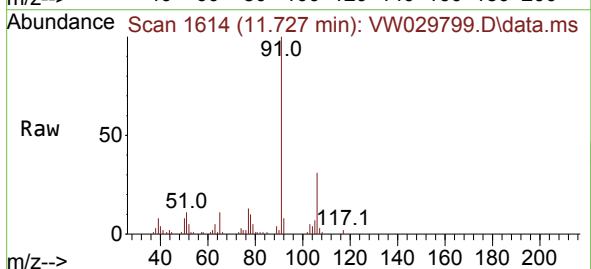
Manual Integrations
APPROVED

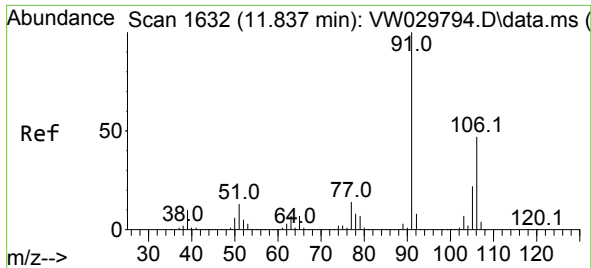
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#52
Ethylbenzene
Concen: 0.981 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

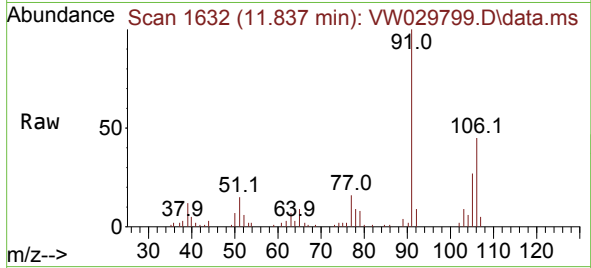
Tgt Ion: 91 Resp: 16993
Ion Ratio Lower Upper
91 100
106 30.9 20.4 38.0





#53
m,p-Xylene
Concen: 0.892 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

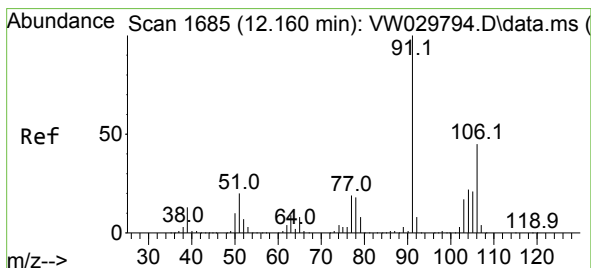
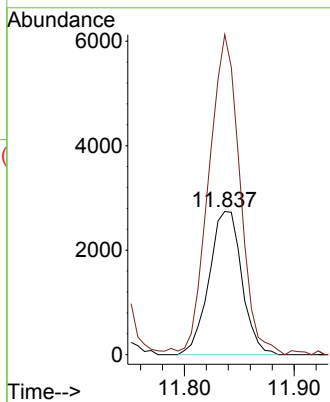
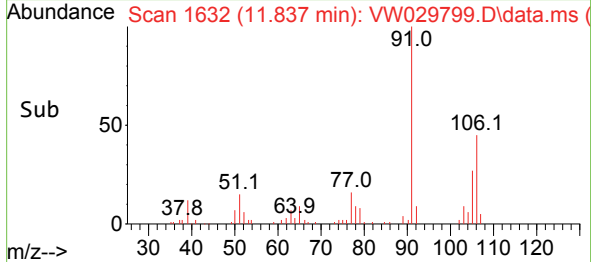
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



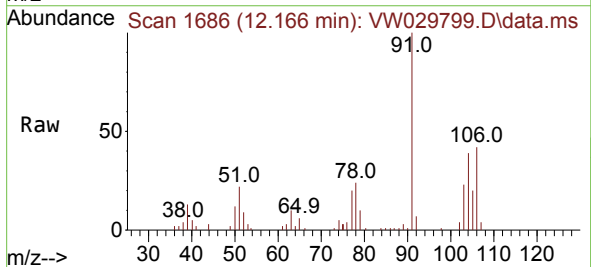
Tgt Ion:106 Resp: 5679
Ion Ratio Lower Upper
106 100
91 223.6 151.4 281.2

Manual Integrations
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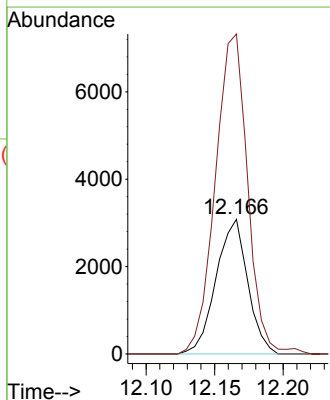
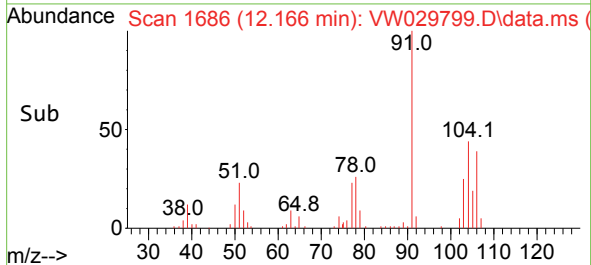
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

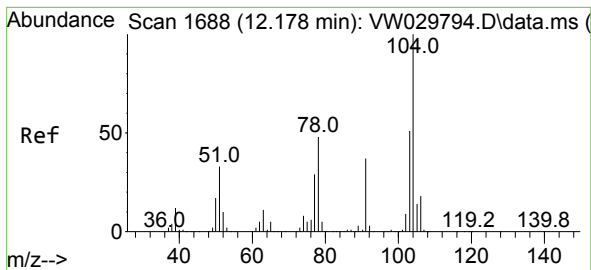


#54
o-Xylene
Concen: 0.845 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41



Tgt Ion:106 Resp: 4953
Ion Ratio Lower Upper
106 100
91 237.6 155.8 289.4





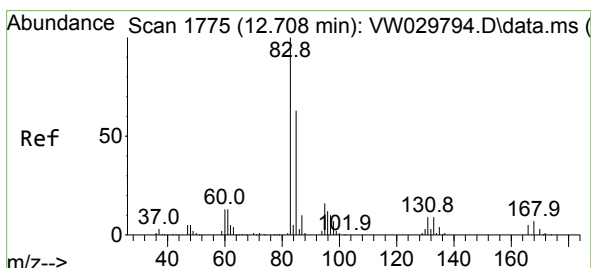
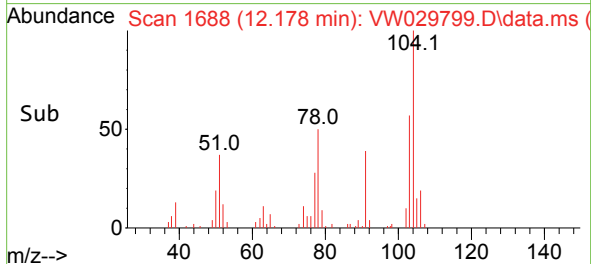
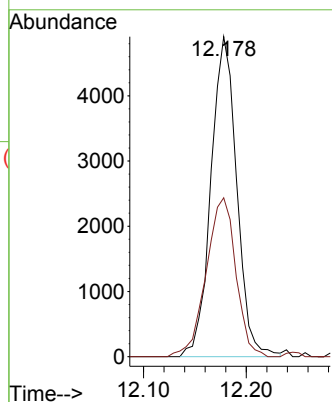
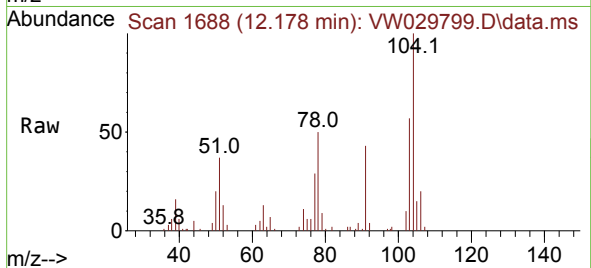
#55
Styrene
Concen: 0.842 ug/L
RT: 12.178 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05

Tgt Ion:104 Resp: 8560
Ion Ratio Lower Upper
104 100
78 49.7 33.3 61.9

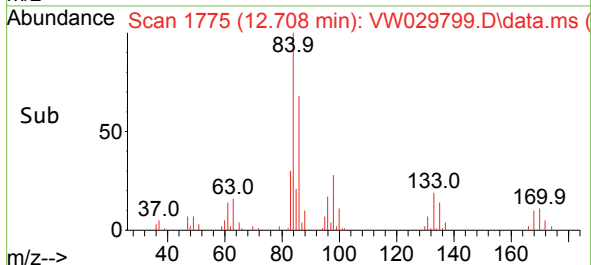
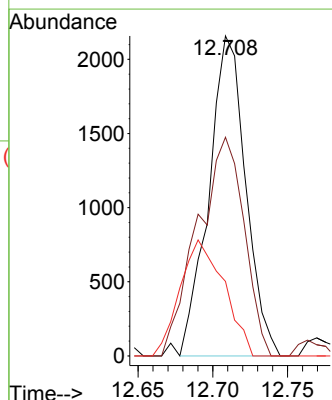
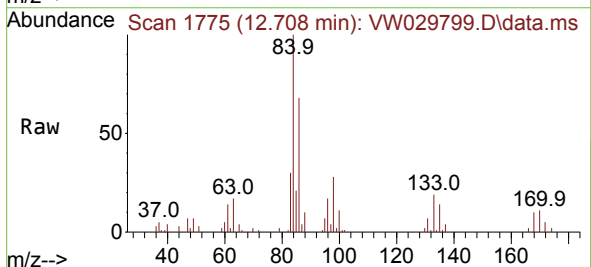
Manual Integrations
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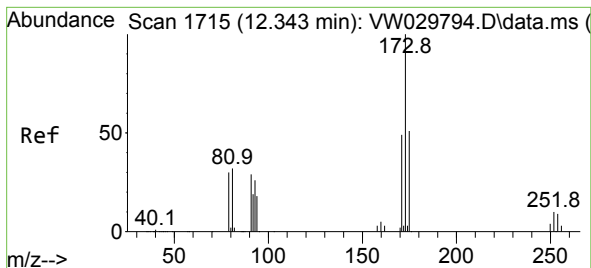
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.090 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

Tgt Ion: 83 Resp: 3705
Ion Ratio Lower Upper
83 100
85 68.4 44.2 82.0
131 23.3 6.2 9.2#





#59

Bromoform

Concen: 1.099 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW029799.D

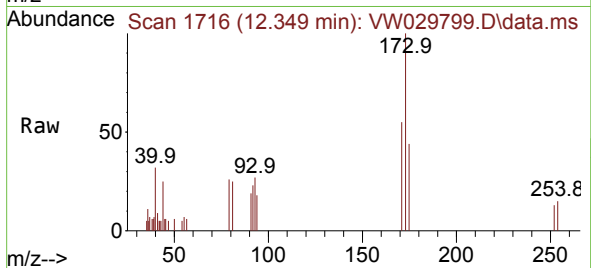
Acq: 30 Jul 2024 12:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



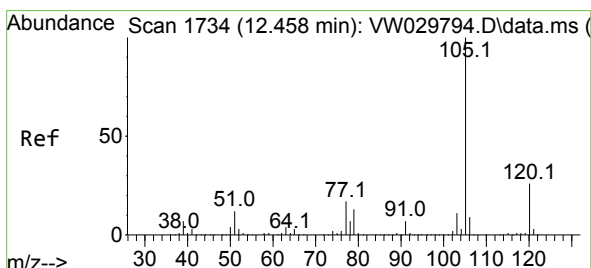
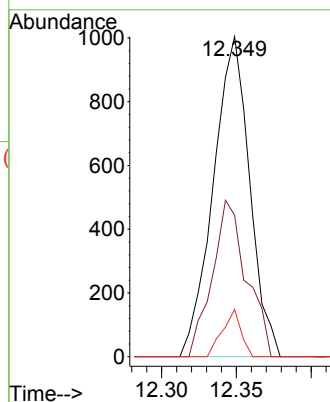
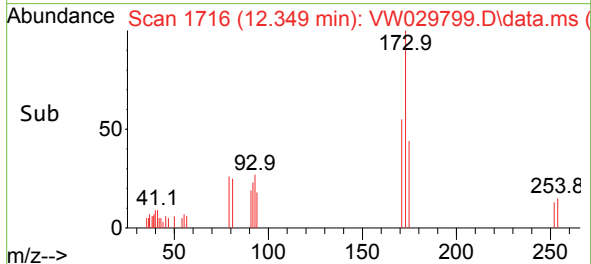
Tgt Ion:	173	Resp:	1694
Ion Ratio	Lower	Upper	
173	100		
175	46.2	38.1	57.1
254	7.6	7.8	11.6

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Reviewed By :Romaben Patel 07/31/2024

Supervised By :Semsettin Yesilyurt 07/31/2024



#60

Isopropylbenzene

Concen: 0.855 ug/L

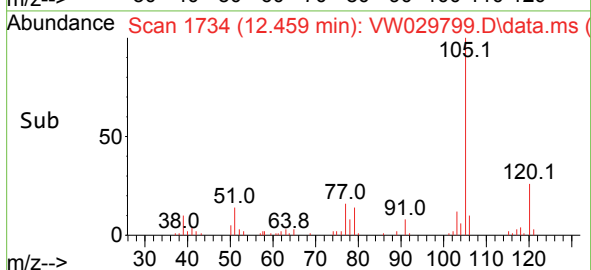
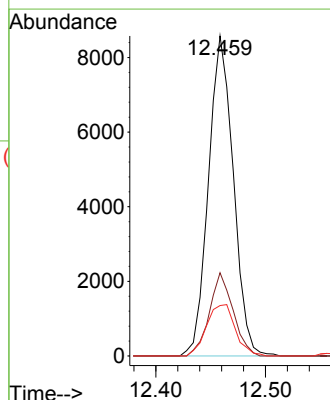
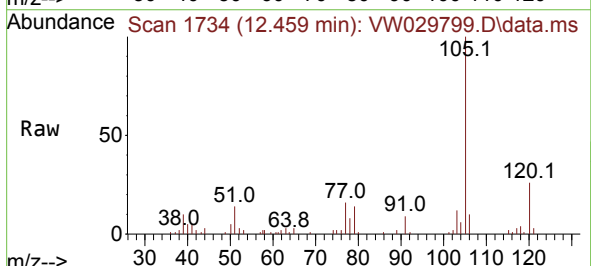
RT: 12.459 min Scan# 1734

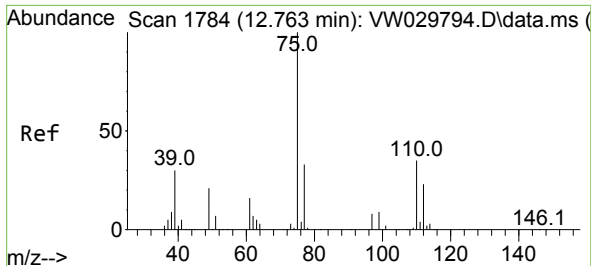
Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

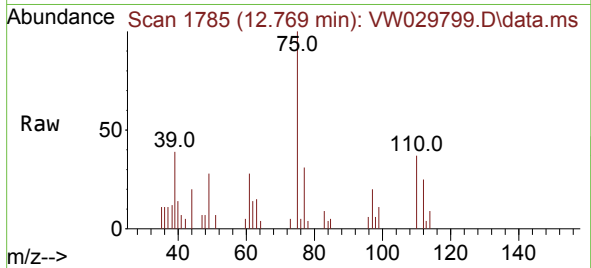
Tgt Ion:	105	Resp:	13552
Ion Ratio	Lower	Upper	
105	100		
120	24.7	20.3	30.5
77	18.6	14.0	21.0





#61
1,2,3-Trichloropropane
Concen: 1.118 ug/L
RT: 12.769 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

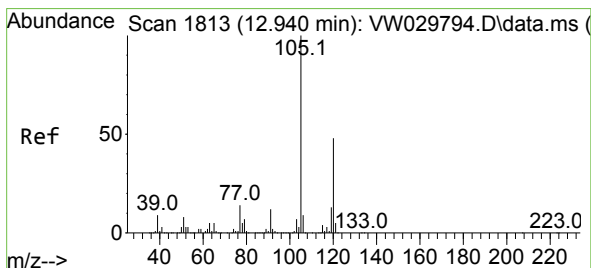
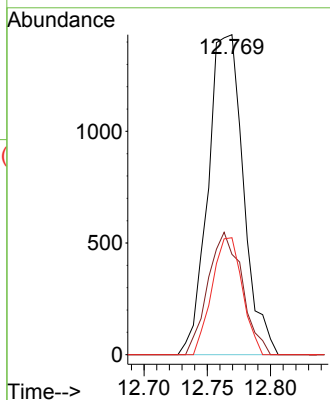
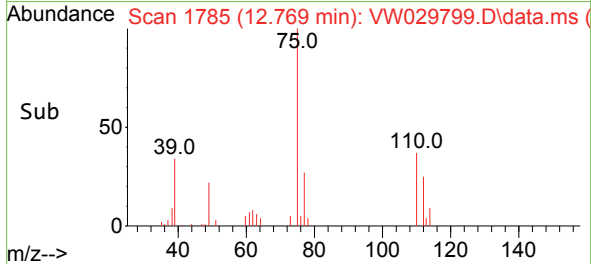
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



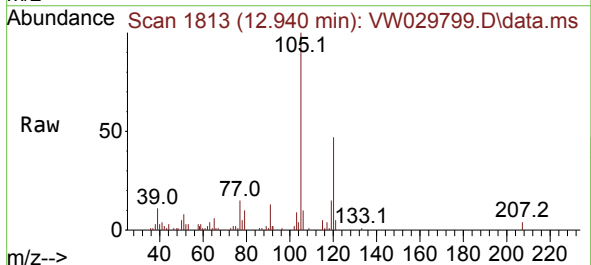
Tgt Ion: 75 Resp: 278
Ion Ratio Lower Upper
75 100
77 37.1 25.4 38.0
110 31.5 28.6 43.0

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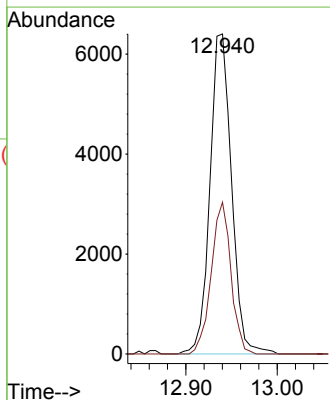
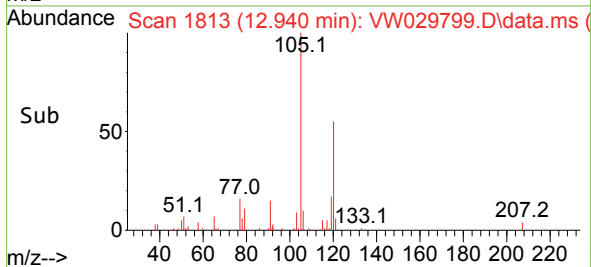
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

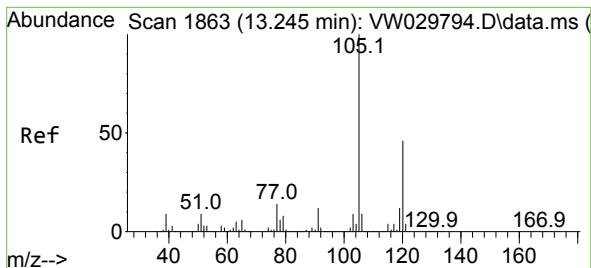


#62
1,3,5-Trimethylbenzene
Concen: 0.894 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41



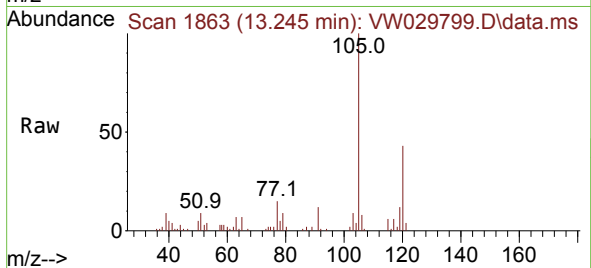
Tgt Ion:105 Resp: 10536
Ion Ratio Lower Upper
105 100
120 43.4 38.2 57.2





#63
1,2,4-Trimethylbenzene
Concen: 0.784 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

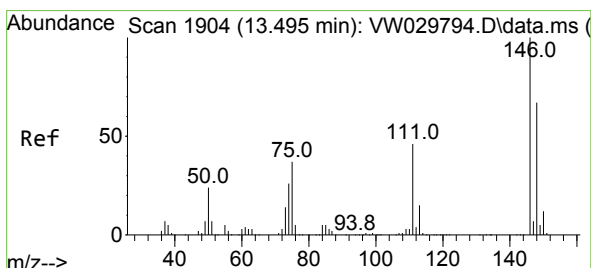
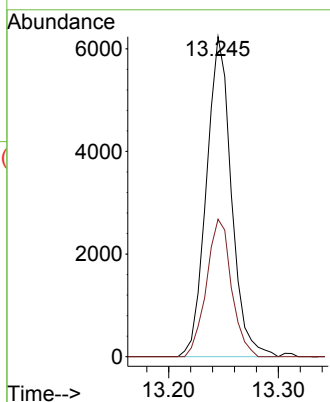
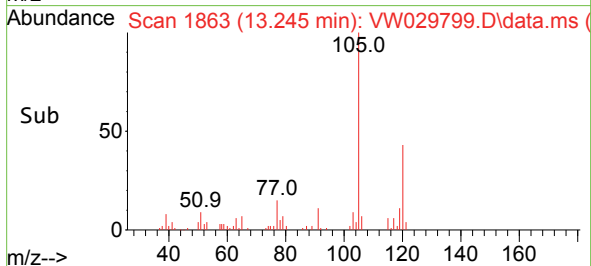
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



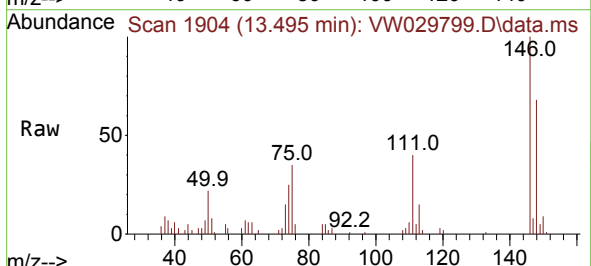
Tgt Ion:105 Resp: 9880
Ion Ratio Lower Upper
105 100
120 42.9 35.4 53.0

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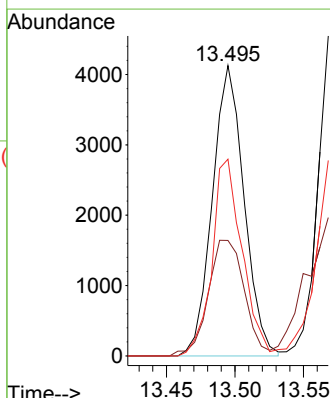
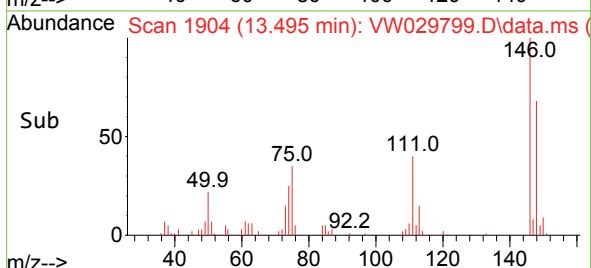
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

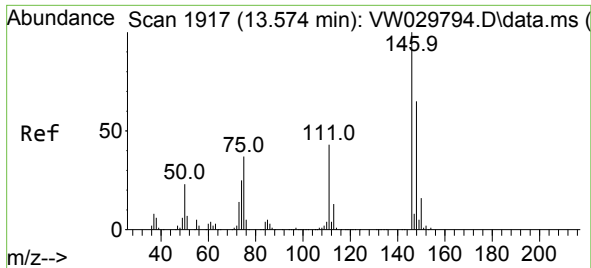


#64
1,3-Dichlorobenzene
Concen: 0.982 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41



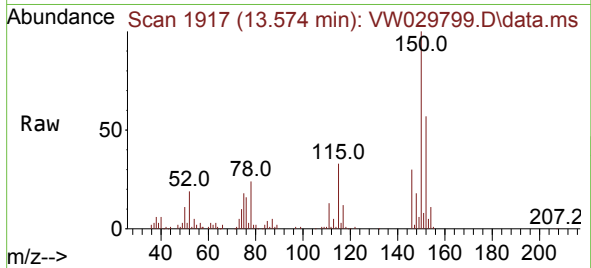
Tgt Ion:146 Resp: 6641
Ion Ratio Lower Upper
146 100
111 39.8 28.7 53.3
148 67.8 43.4 80.6





#65
1,4-Dichlorobenzene
Concen: 1.150 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

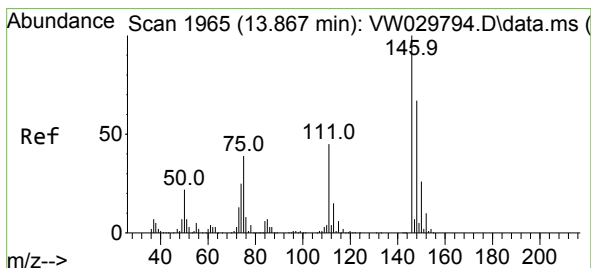
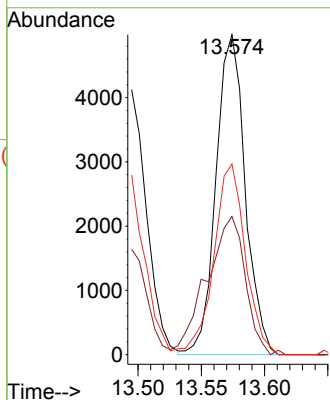
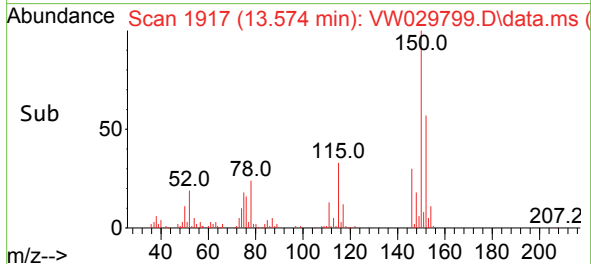
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:146 Resp: 799
Ion Ratio Lower Upper
146 100
111 43.2 30.1 55.9
148 59.6 45.4 84.4

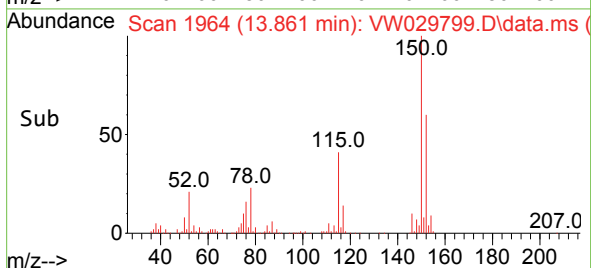
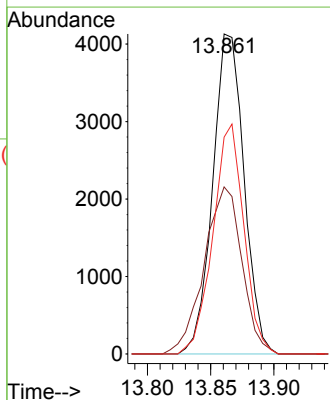
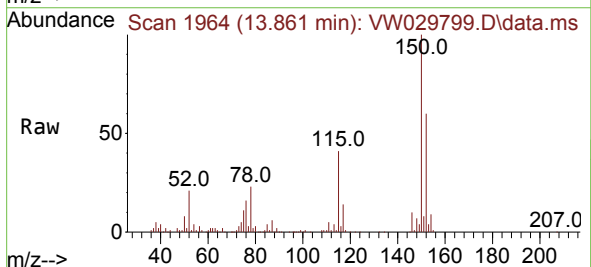
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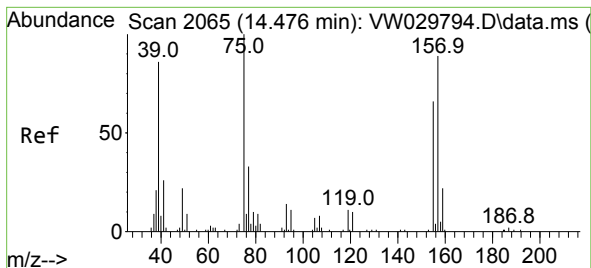
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#67
1,2-Dichlorobenzene
Concen: 1.156 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

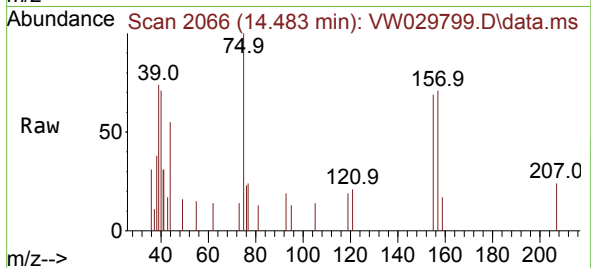
Tgt Ion:146 Resp: 7119
Ion Ratio Lower Upper
146 100
111 52.2 35.8 53.8
148 67.7 52.6 78.8





#68
1,2-Dibromo-3-chloropropane
Concen: 1.292 ug/L m
RT: 14.483 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

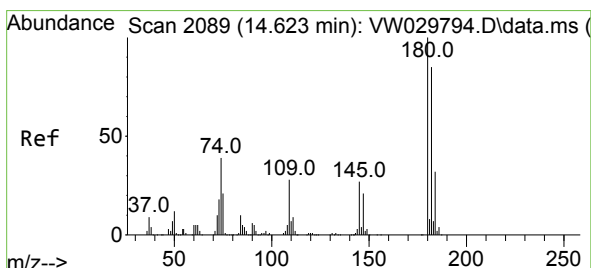
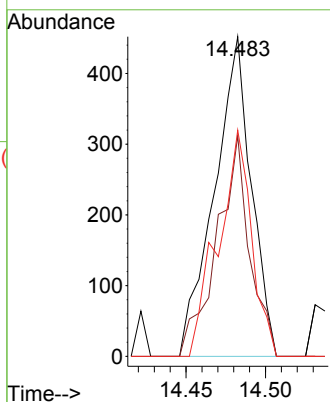
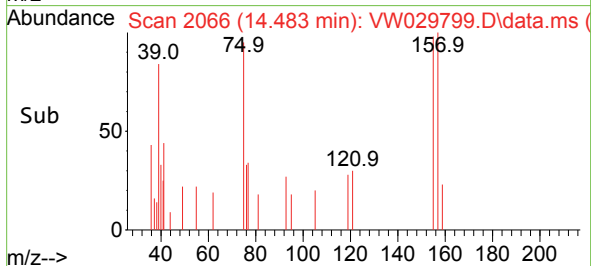
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
155 69.0 47.8 71.6
157 70.8 63.7 95.5

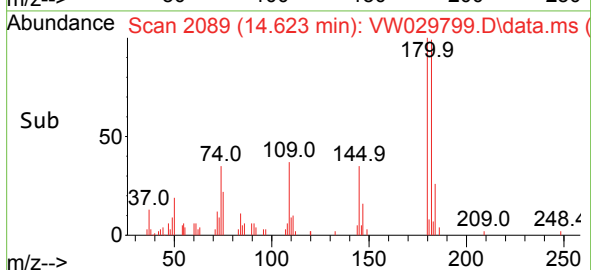
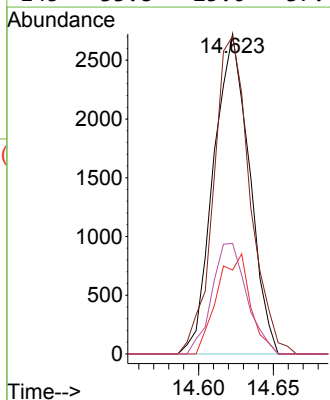
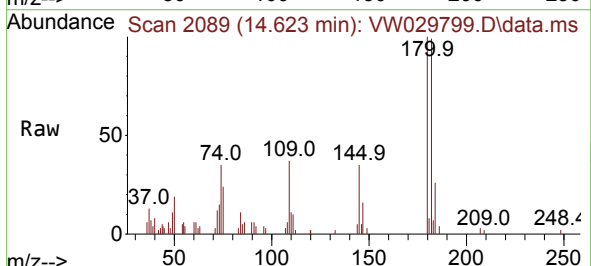
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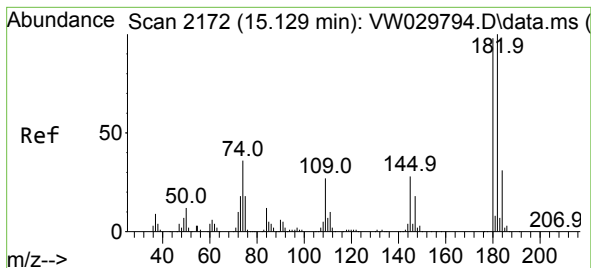
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024



#69
1,3,5-Trichlorobenzene
Concen: 0.979 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

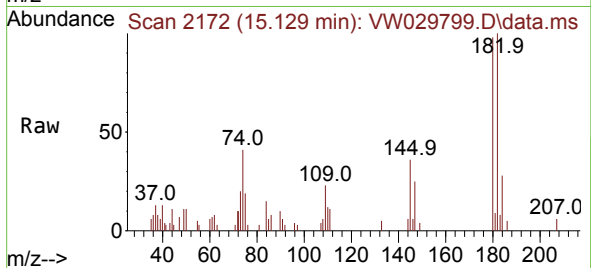
Tgt Ion:180 Resp: 4530
Ion Ratio Lower Upper
180 100
182 100.6 72.7 109.1
184 28.9 23.3 34.9
145 33.8 25.0 37.4





#70
1,2,4-trichlorobenzene
Concen: 0.902 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41

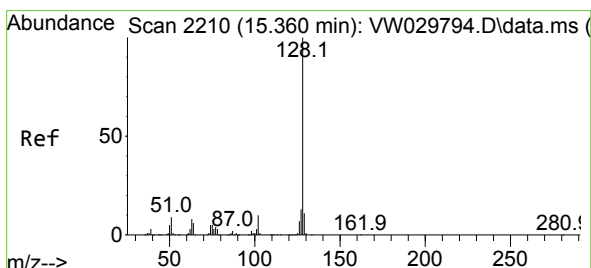
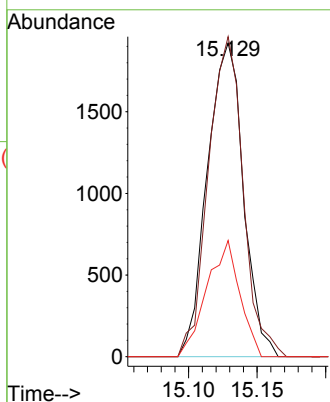
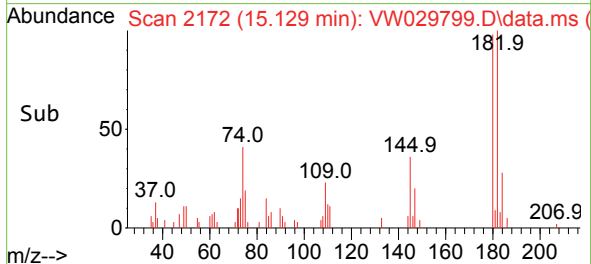
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2024-05



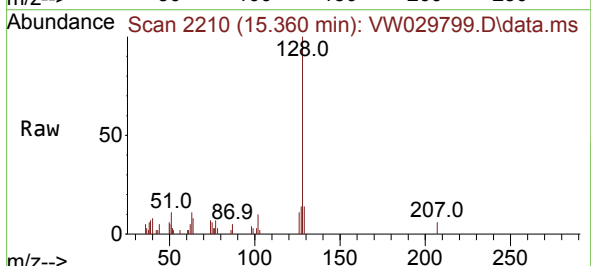
Tgt Ion:180 Resp: 351
Ion Ratio Lower Upper
180 100
182 98.0 80.2 120.4
145 33.9 26.3 39.5

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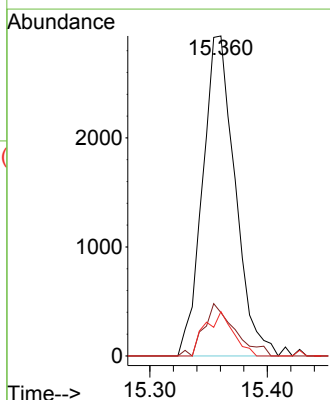
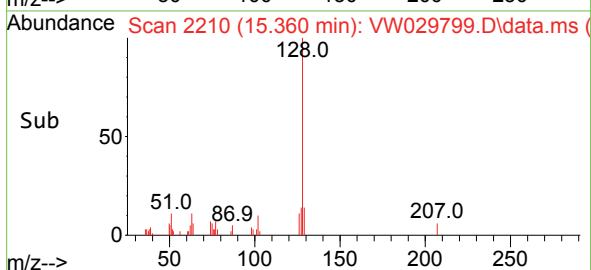
Reviewed By :Romaben Patel 07/31/2024
Supervised By :Semsettin Yesilyurt 07/31/2024

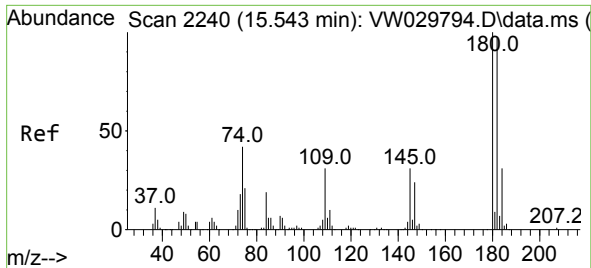


#71
Naphthalene
Concen: 0.758 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW029799.D
Acq: 30 Jul 2024 12:41



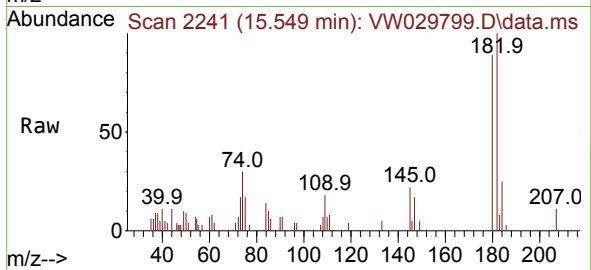
Tgt Ion:128 Resp: 5639
Ion Ratio Lower Upper
128 100
127 14.5 10.7 16.1
129 6.8 8.9 13.3#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.893 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW029799.D
 Acq: 30 Jul 2024 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2024-05



Tgt Ion:180 Resp: 3150
 Ion Ratio Lower Upper
 180 100
 182 97.9 74.0 111.0
 145 32.7 27.5 41.3

Manual Integrations
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Reviewed By :Romaben Patel 07/31/2024
 Supervised By :Semsettin Yesilyurt 07/31/2024

