

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061125\
 Data File : VV038786.D
 Acq On : 11 Jun 2025 16:16
 Operator : SY/MD
 Sample : Q2117-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Jun 12 11:35:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 14:44:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Mahesh Dadoda 06/16/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	500405	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	521037	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	232433	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	163965	39.400	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.800%		
7) Chloroethane-d5	1.542	69	156132	40.987	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.980%		
11) 1,1-Dichloroethene-d2	2.069	65	81695	39.885	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.760%		
21) 2-Butanone-d5	3.786	46	334517	103.071	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.070%		
24) Chloroform-d	4.252	84	386267	43.568	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.140%		
26) 1,2-Dichloroethane-d4	4.940	65	246085	47.545	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.100%		
32) Benzene-d6	4.960	84	720839	43.848	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.700%		
36) 1,2-Dichloropropane-d6	5.985	67	250987	45.969	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.940%		
41) Toluene-d8	7.239	98	601666	41.447	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.900%		
43) trans-1,3-Dichloroprop...	7.551	79	102067	42.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.740%		
47) 2-Hexanone-d5	8.018	63	223043	98.463	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.460%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	368152	45.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.880%		
66) 1,2-Dichlorobenzene-d4	11.551	152	217544	48.226	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.117	85	10967	1.865	ug/L	99
3) Chloromethane	1.227	50	12029	2.024	ug/L	99
5) Vinyl chloride	1.291	62	12604	2.052	ug/L	86
6) Bromomethane	1.494	94	6153	2.017	ug/L	99
8) Chloroethane	1.558	64	7823	2.121	ug/L	98
9) Trichlorofluoromethane	1.725	101	15242	1.881	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	11823	2.465	ug/L #	82
12) 1,1-Dichloroethene	2.076	96	9853	2.279	ug/L #	1
13) Acetone	2.124	43	12806	5.852	ug/L	91
14) Carbon disulfide	2.249	76	25654	1.941	ug/L	97
15) Methyl Acetate	2.397	43	13587m	2.338	ug/L	
17) trans-1,2-Dichloroethene	2.706	96	8194	1.884	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	21677	1.655	ug/L	96
19) 1,1-Dichloroethane	3.124	63	17276	1.912	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	9614	2.059	ug/L	88
22) 2-Butanone	3.918	43	19712m	5.738	ug/L	
23) Bromochloromethane	4.166	128	5244m	2.104	ug/L	
27) 1,2-Dichloroethane	5.063	62	15939m	2.371	ug/L	
29) Cyclohexane	4.587	56	11172	1.500	ug/L #	78

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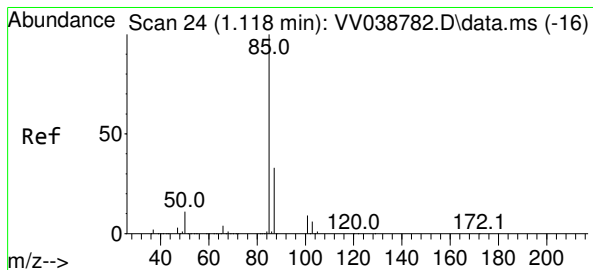
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.516	97	14302	1.866	ug/L #	86
31) Carbon tetrachloride	4.738	117	12453	1.872	ug/L	99
33) Benzene	5.021	78	34039	1.857	ug/L	100
34) Trichloroethene	5.854	95	10271m	2.114	ug/L	
35) Methylcyclohexane	6.043	83	15749m	2.067	ug/L	
37) 1,2-Dichloropropane	6.101	63	10007	1.895	ug/L #	92
38) Bromodichloromethane	6.445	83	13893m	2.028	ug/L	
39) cis-1,3-Dichloropropene	6.963	75	15771m	2.079	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	21518	2.981	ug/L #	90
42) Toluene	7.326	91	33466	1.769	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	14970m	2.044	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	9276	1.792	ug/L	93
46) Tetrachloroethene	7.905	164	6119	1.713	ug/L	96
48) 2-Hexanone	8.082	43	29374	5.496	ug/L #	82
49) Dibromochloromethane	8.175	129	10864	2.066	ug/L	92
50) 1,2-Dibromoethane	8.288	107	11335	2.131	ug/L	90
51) Chlorobenzene	8.808	112	24406	1.911	ug/L	98
52) Ethylbenzene	8.950	91	32531	1.596	ug/L	96
53) m,p-Xylene	9.079	106	10777	1.441	ug/L	84
54) o-Xylene	9.480	106	10545	1.457	ug/L	85
55) Styrene	9.503	104	16649	1.321	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	20220	2.367	ug/L #	97
59) Bromoform	9.664	173	6603	2.036	ug/L #	97
60) Isopropylbenzene	9.863	105	25819	1.560	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	12733	2.241	ug/L	95
62) 1,3,5-Trimethylbenzene	10.471	105	20280	1.574	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	18970	1.490	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	14451	1.827	ug/L	94
65) 1,4-Dichlorobenzene	11.201	146	17383	2.042	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	18494	2.314	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.361	75	4051	2.495	ug/L	87
69) 1,3,5-Trichlorobenzene	12.580	180	9460	1.809	ug/L	97
70) 1,2,4-trichlorobenzene	13.194	180	7758	1.735	ug/L	99
71) Naphthalene	13.435	128	23281	1.466	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	7208	1.545	ug/L	89

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



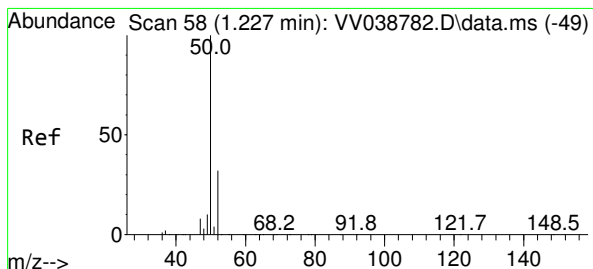
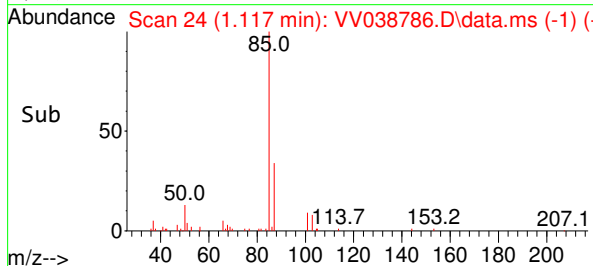
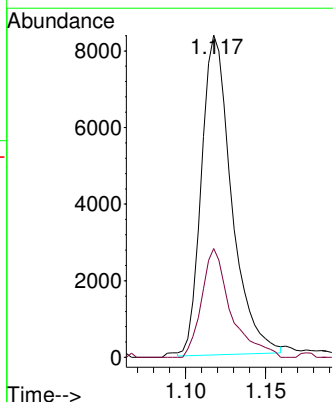
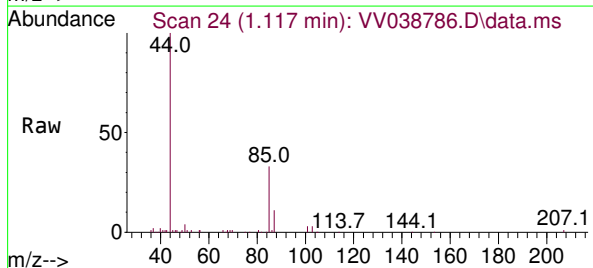
#2
Dichlorodifluoromethane
Concen: 1.865 ug/L
RT: 1.117 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : VV038786.D
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 85 Resp: 1096
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6

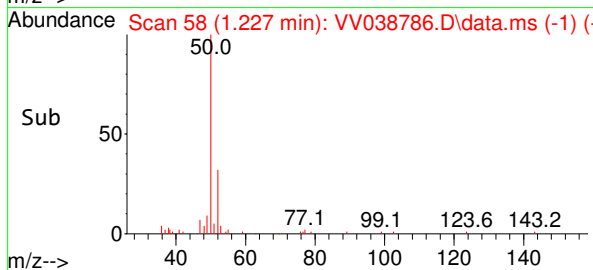
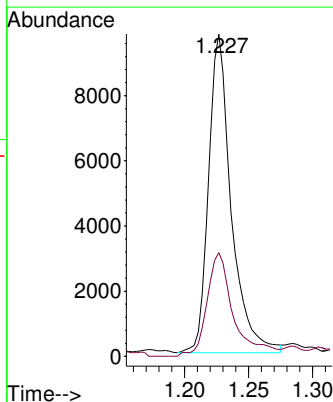
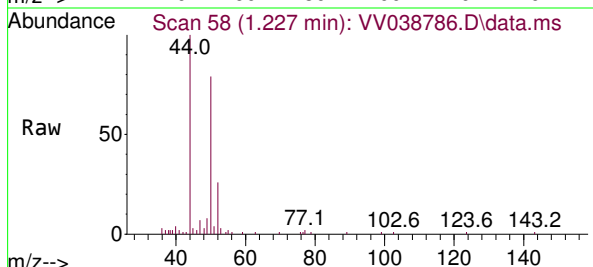
Manual Integrations
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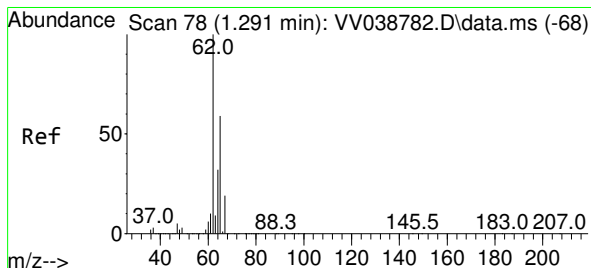
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#3
Chloromethane
Concen: 2.024 ug/L
RT: 1.227 min Scan# 58
Delta R.T. 0.000 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 50 Resp: 12029
Ion Ratio Lower Upper
50 100
52 32.2 22.7 42.3





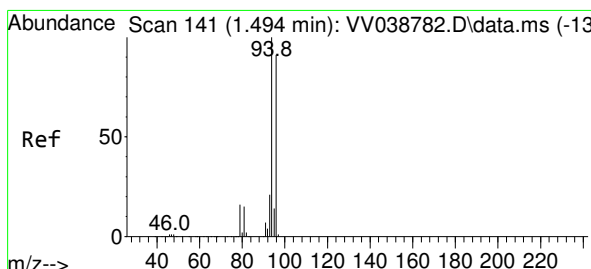
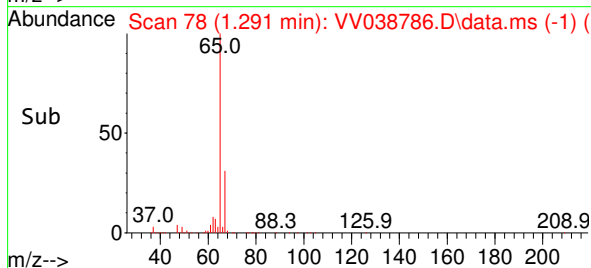
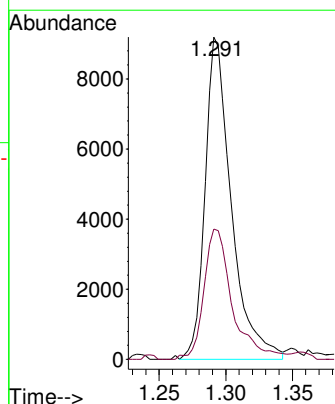
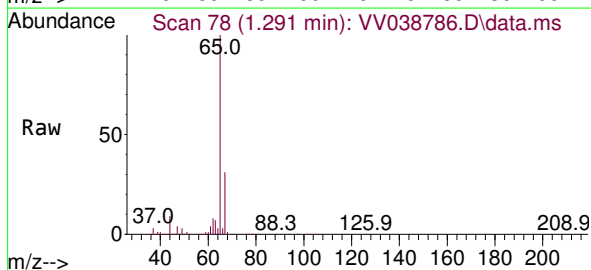
#5
 Vinyl chloride
 Concen: 2.052 ug/L
 RT: 1.291 min Scan# 7
 Delta R.T. -0.003 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 62 Resp: 1266
 Ion Ratio Lower Upper
 62 100
 64 40.4 22.8 42.4

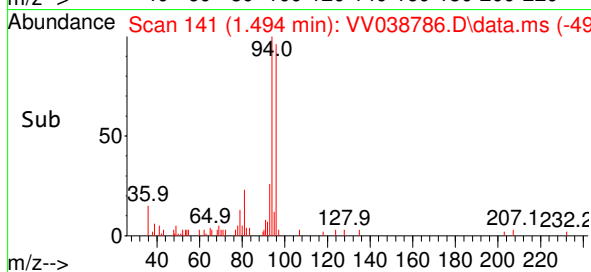
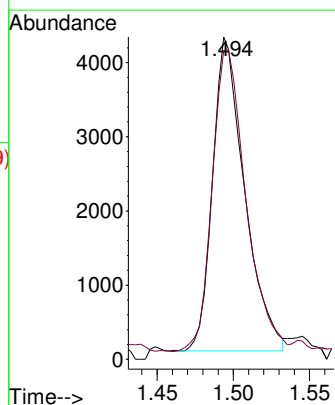
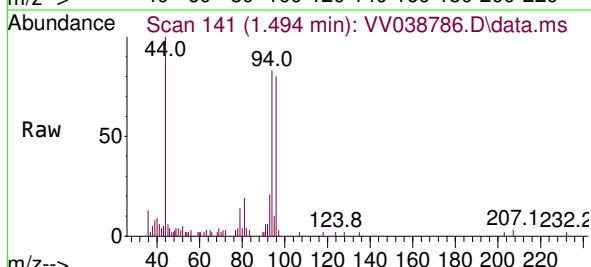
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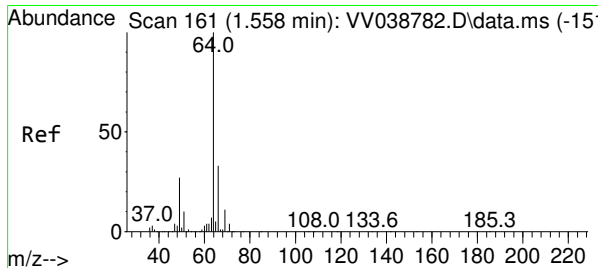
Reviewed By :John Carlone 06/12/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#6
 Bromomethane
 Concen: 2.017 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.003 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Tgt Ion: 94 Resp: 6153
 Ion Ratio Lower Upper
 94 100
 96 95.8 66.1 122.8





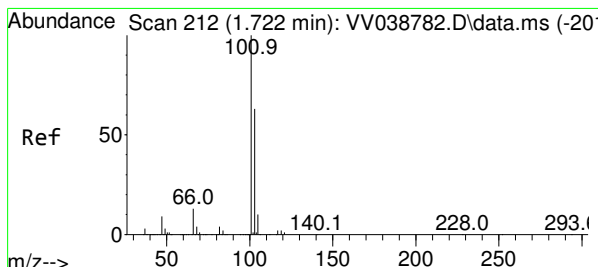
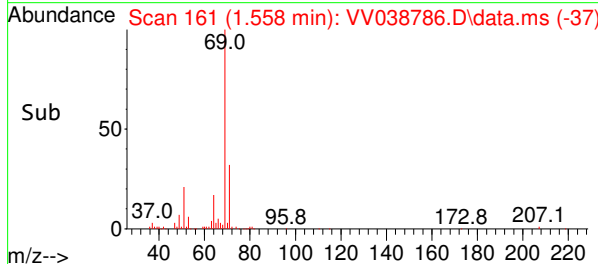
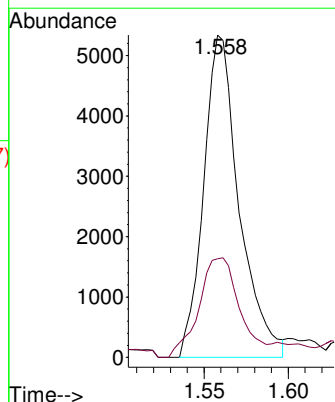
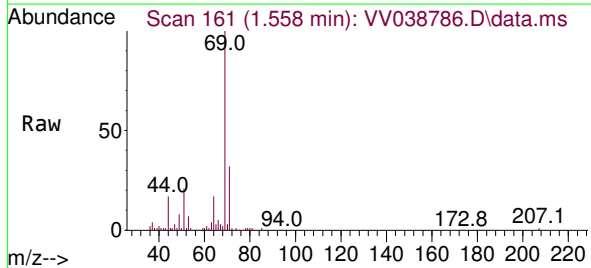
#8
Chloroethane
Concen: 2.121 ug/L
RT: 1.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 64 Resp: 782
Ion Ratio Lower Upper
64 100
66 30.6 22.3 41.5

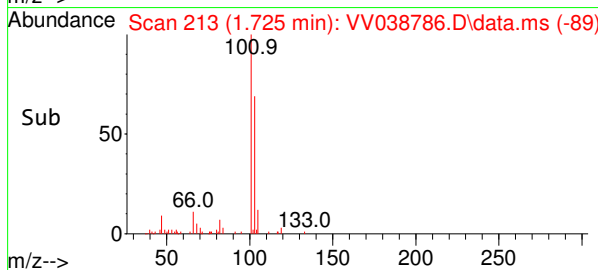
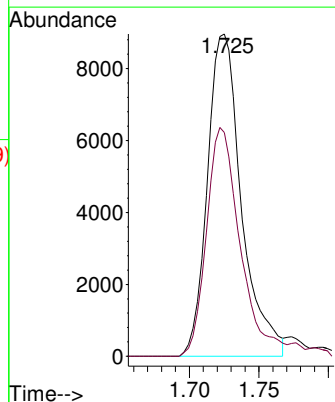
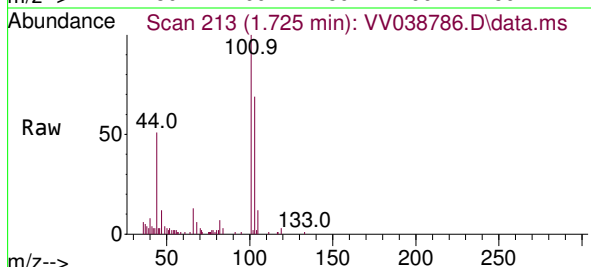
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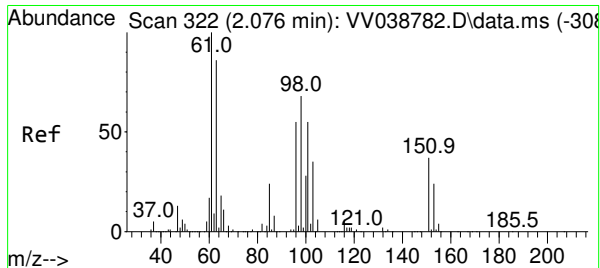
Reviewed By :John Carlone 06/12/2025
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#9
Trichlorofluoromethane
Concen: 1.881 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:101 Resp: 15242
Ion Ratio Lower Upper
101 100
103 70.2 51.7 77.5





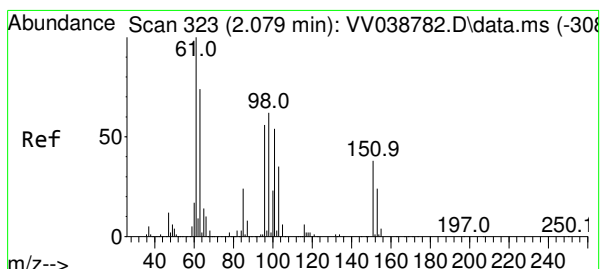
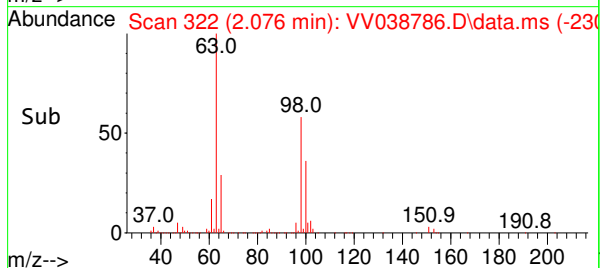
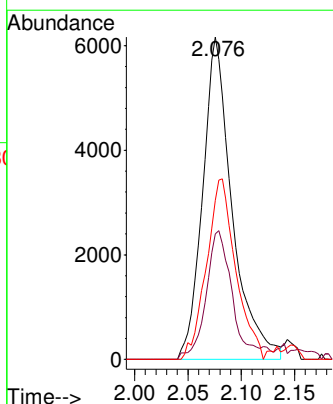
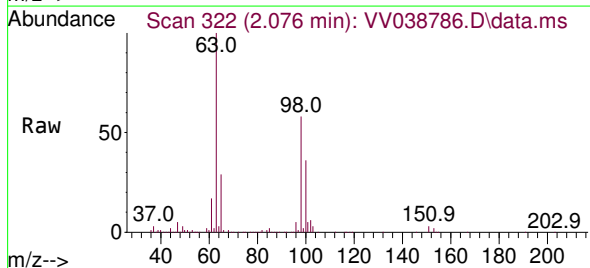
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.465 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.003 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Tgt Ion:	101	Resp:	1182
Ion Ratio	Lower	Upper	
101	100		
85	31.3	34.7	52.1
151	55.5	55.3	82.9

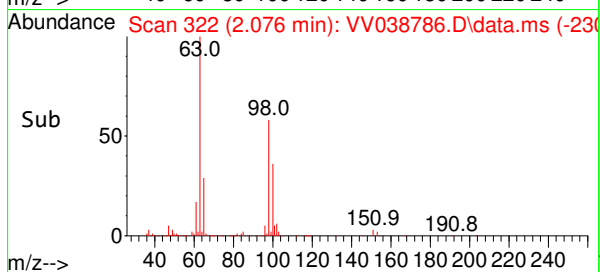
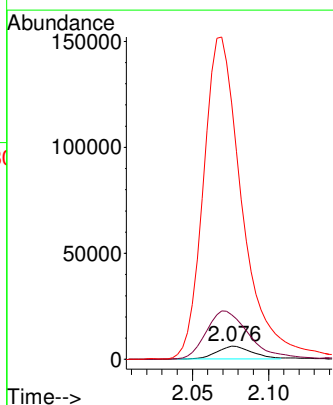
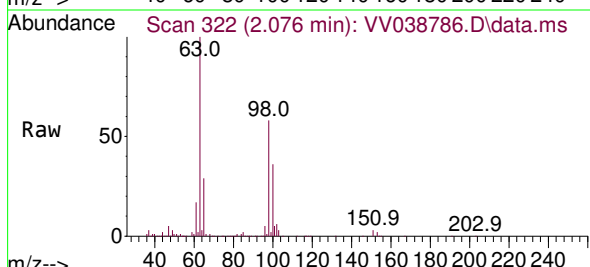
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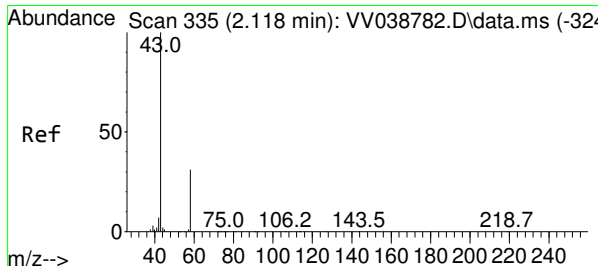
Reviewed By :John Carlone 06/12/2025
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#12
 1,1-Dichloroethene
 Concen: 2.279 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.003 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Tgt Ion:	96	Resp:	9853
Ion Ratio	Lower	Upper	
96	100		
61	341.6	120.9	224.5#
63	1961.2	110.9	205.9#





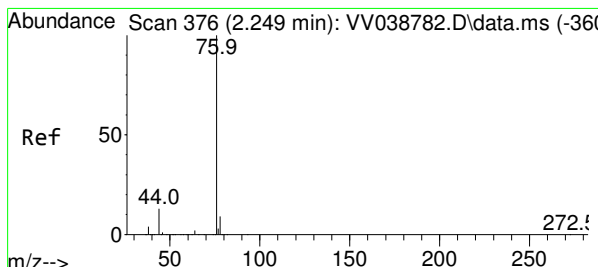
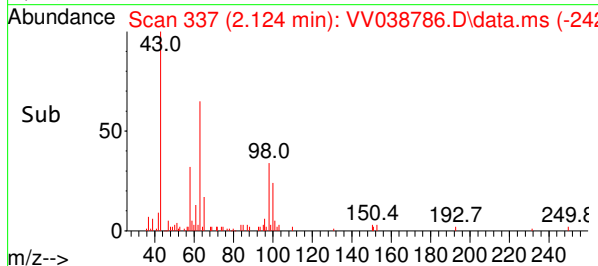
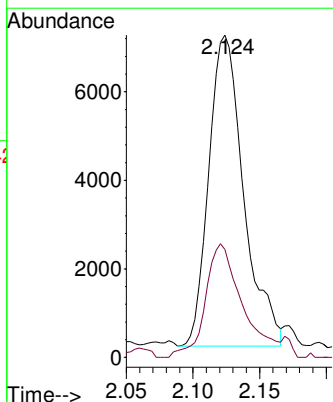
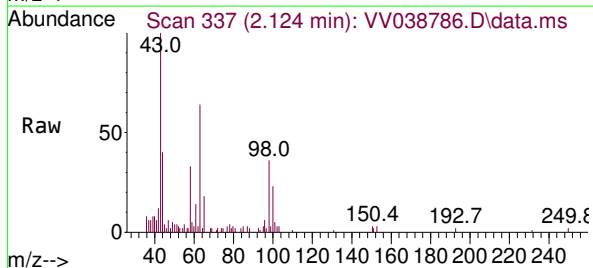
#13
Acetone
Concen: 5.852 ug/L
RT: 2.124 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 38.7 0.0 67.2

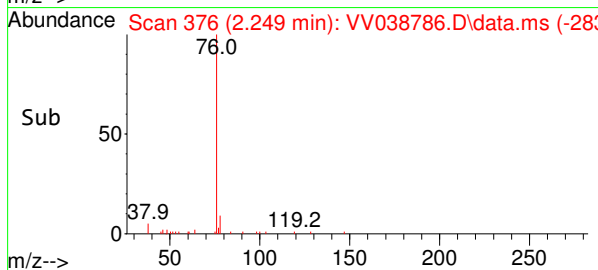
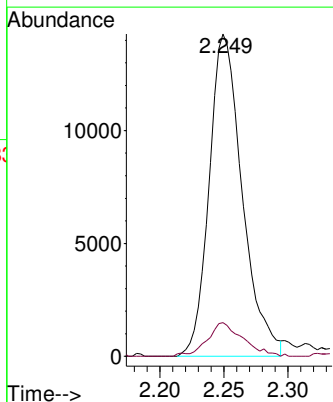
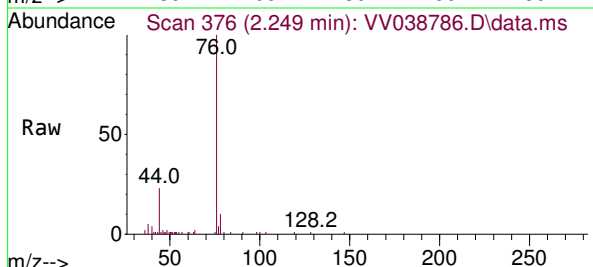
Manual Integrations
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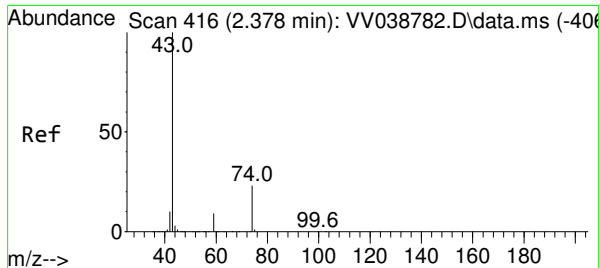
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#14
Carbon disulfide
Concen: 1.941 ug/L
RT: 2.249 min Scan# 376
Delta R.T. 0.000 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 76 Resp: 25654
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0





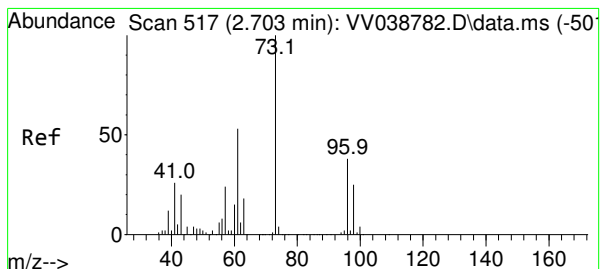
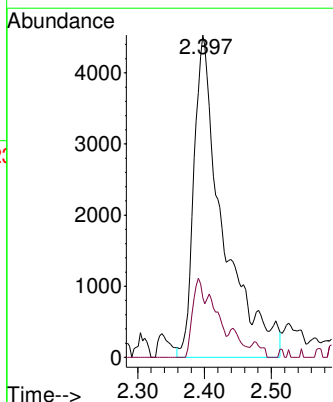
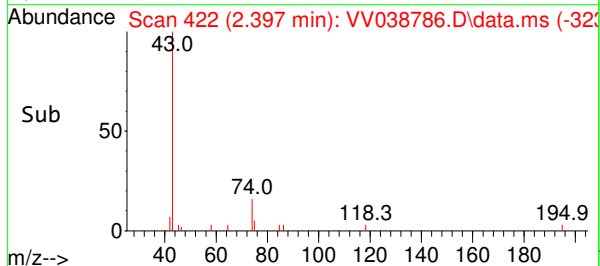
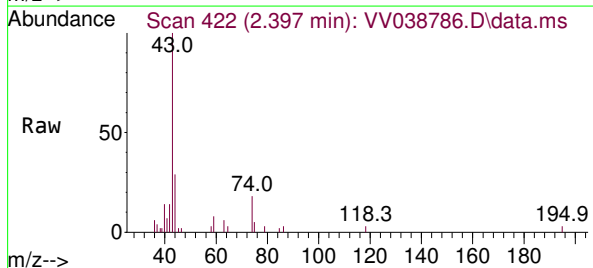
#15
Methyl Acetate
Concen: 2.338 ug/L m
RT: 2.397 min Scan# 416
Delta R.T. 0.019 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : VV038786.D
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
74 0.4 20.6 31.6

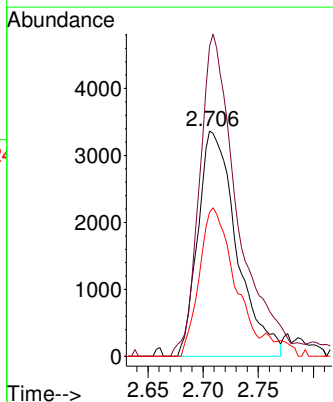
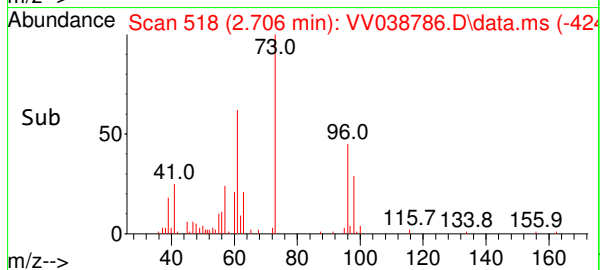
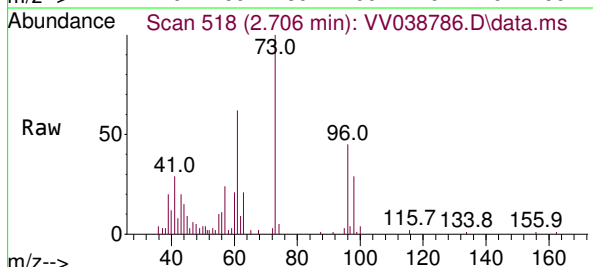
Manual Integrations
APPROVED

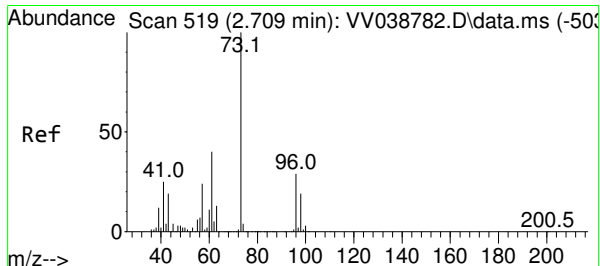
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#17
trans-1,2-Dichloroethene
Concen: 1.884 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 96 Resp: 8194
Ion Ratio Lower Upper
96 100
61 137.6 95.7 177.7
98 63.9 46.4 86.2





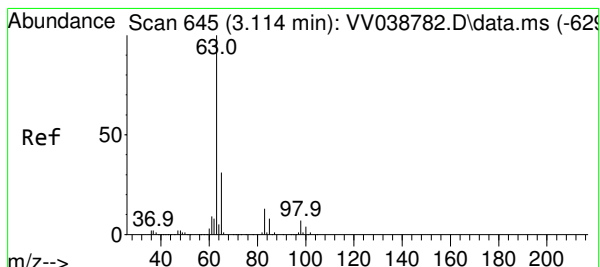
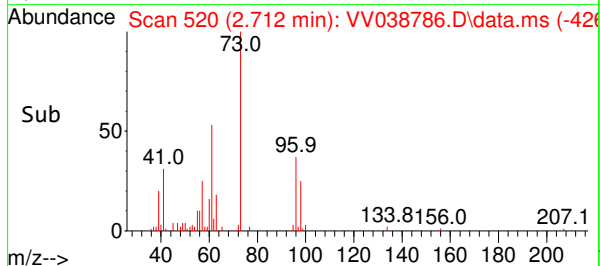
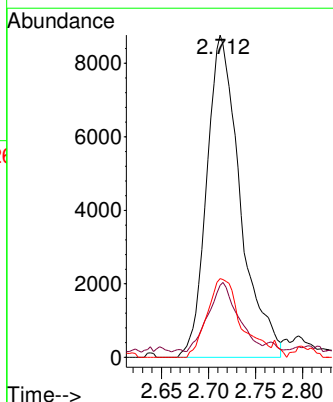
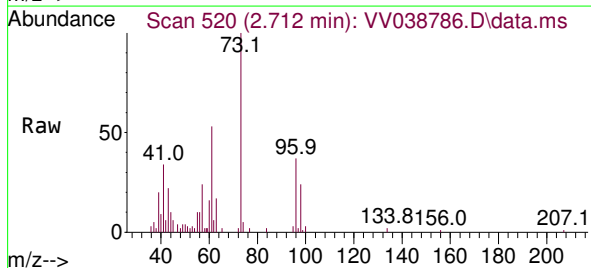
#18
Methyl tert-butyl Ether
Concen: 1.655 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : VV038786.D
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 73 Resp: 2167
Ion Ratio Lower Upper
73 100
43 19.0 14.7 22.1
57 24.8 17.7 26.5

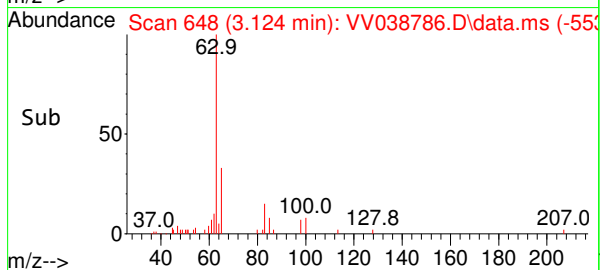
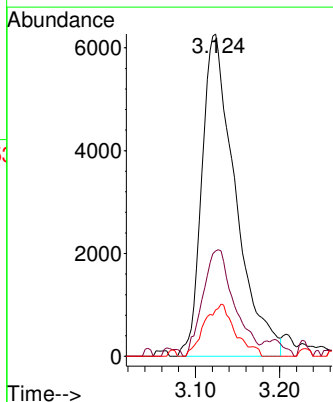
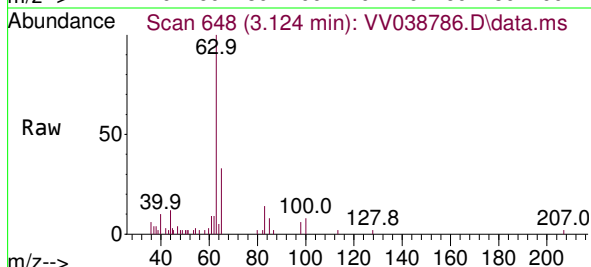
Manual Integrations
APPROVED

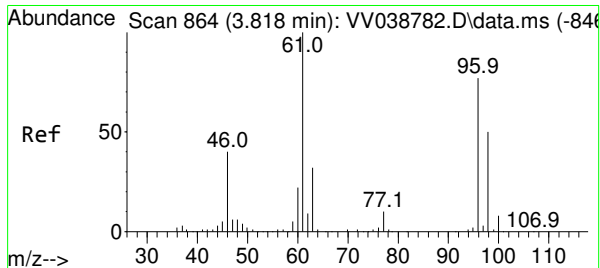
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#19
1,1-Dichloroethane
Concen: 1.912 ug/L
RT: 3.124 min Scan# 648
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 63 Resp: 17276
Ion Ratio Lower Upper
63 100
65 32.7 22.6 42.0
83 14.4 9.8 18.2





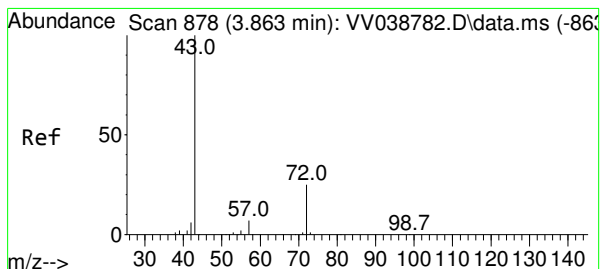
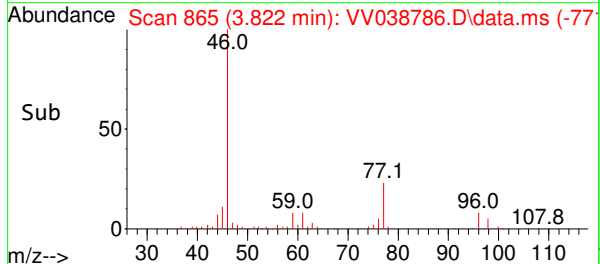
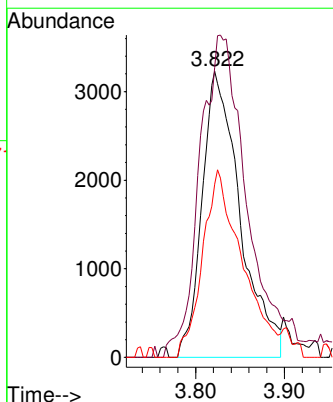
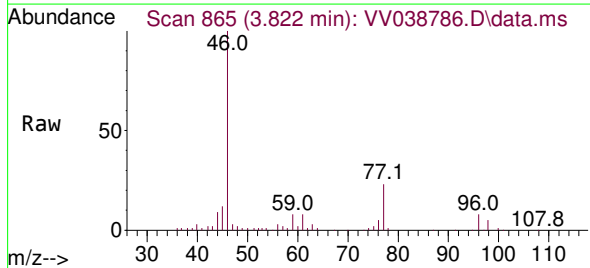
#20
cis-1,2-Dichloroethene
Concen: 2.059 ug/L
RT: 3.822 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 96 Resp: 961
Ion Ratio Lower Upper
96 100
61 101.3 83.5 155.1
98 60.5 44.6 82.8

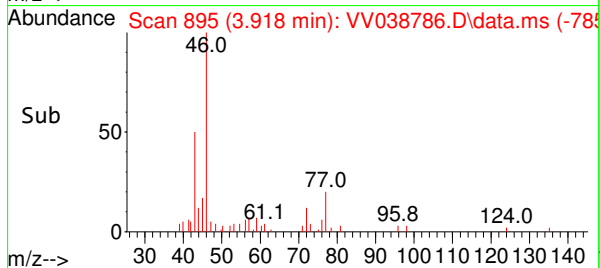
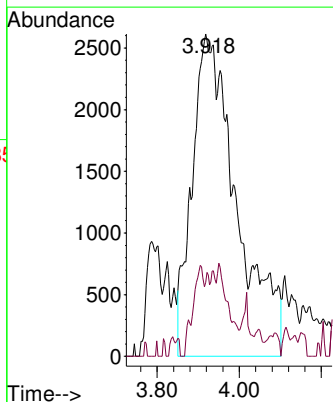
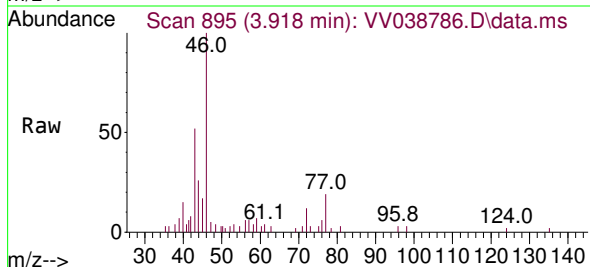
Manual Integrations
APPROVED

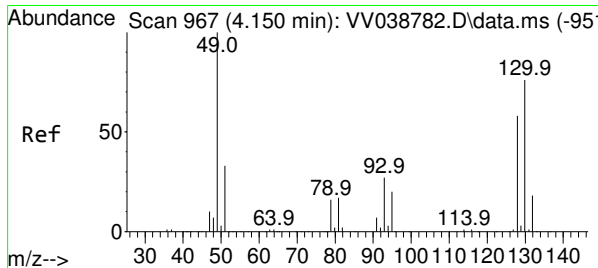
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#22
2-Butanone
Concen: 5.738 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.055 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 43 Resp: 19712
Ion Ratio Lower Upper
43 100
72 0.4 12.5 37.5#





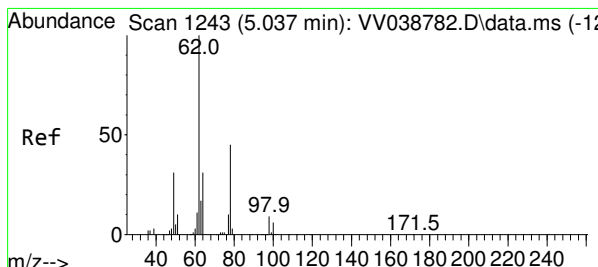
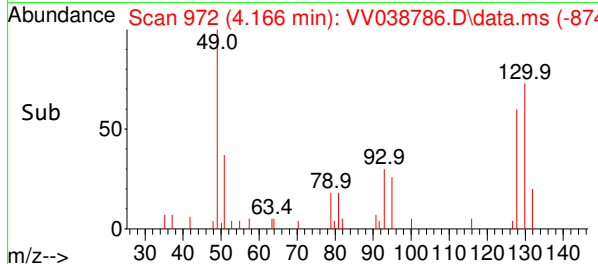
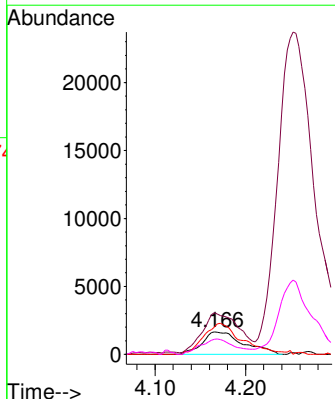
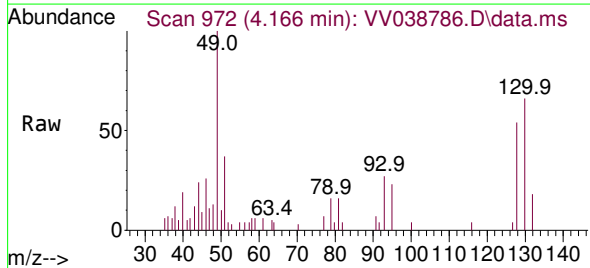
#23
Bromochloromethane
Concen: 2.104 ug/L m
RT: 4.166 min Scan# 912
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 128 Resp: 524
Ion Ratio Lower Upper
128 100
49 185.8 106.7 198.3
130 121.9 93.2 173.2
51 67.9 40.2 60.4#

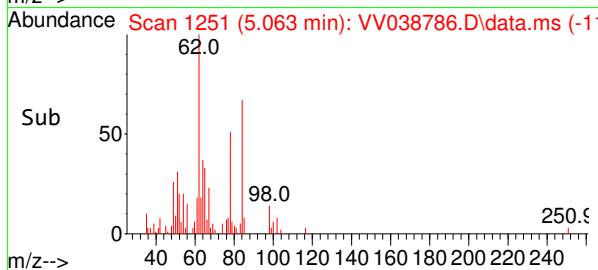
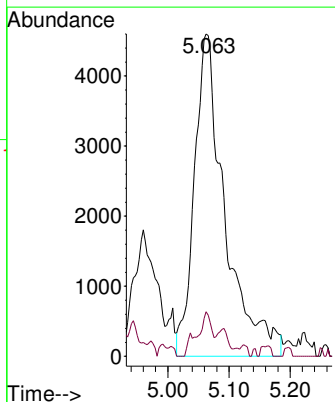
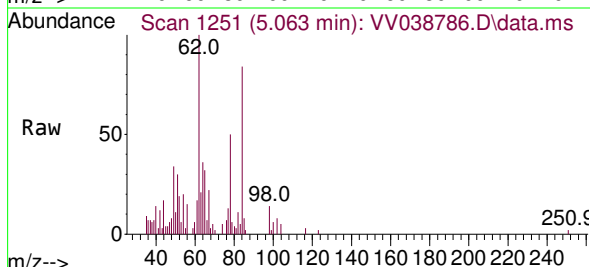
Manual Integrations
APPROVED

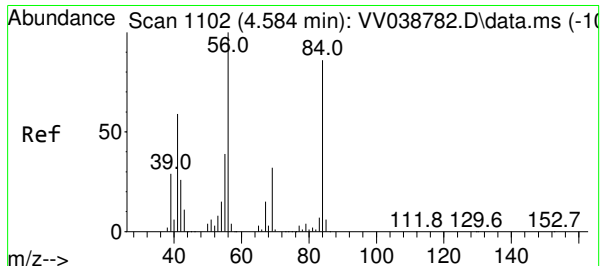
Reviewed By : John Carlone 06/12/2025
Supervised By : Mahesh Dadoda 06/16/2025



#27
1,2-Dichloroethane
Concen: 2.371 ug/L m
RT: 5.063 min Scan# 1251
Delta R.T. 0.026 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 62 Resp: 15939
Ion Ratio Lower Upper
62 100
98 13.9 7.5 11.3#





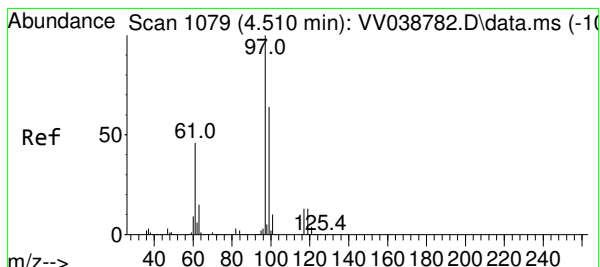
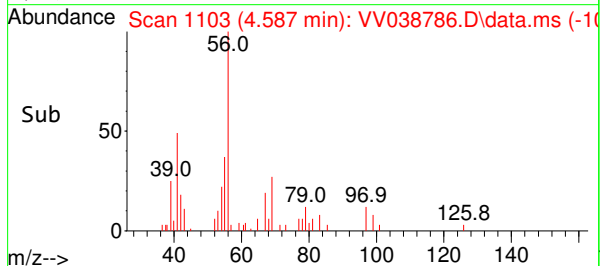
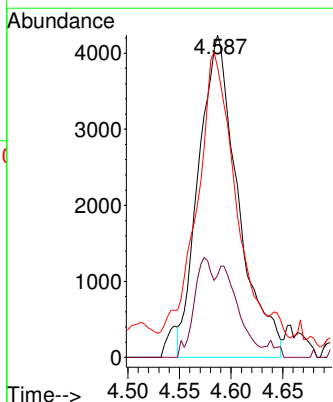
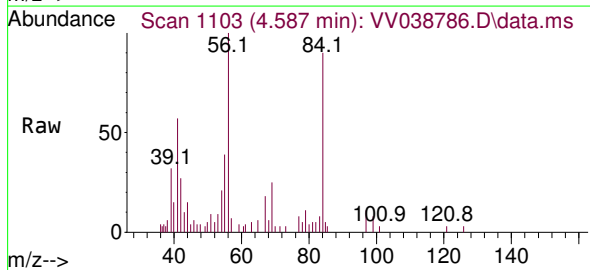
#29
Cyclohexane
Concen: 1.500 ug/L
RT: 4.587 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 56 Resp: 1117
Ion Ratio Lower Upper
56 100
69 15.7 24.8 37.2
84 72.3 73.7 110.5

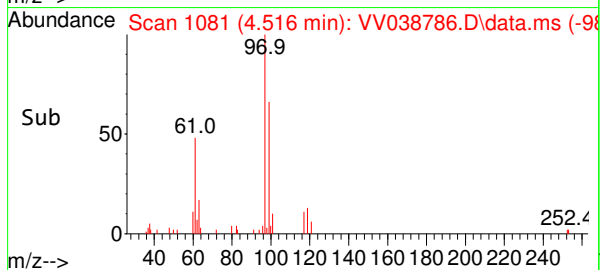
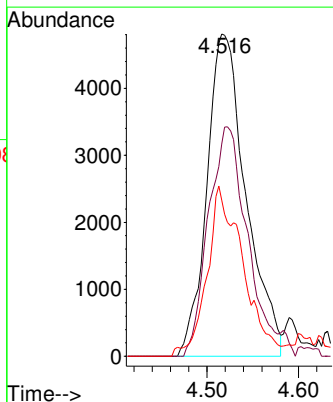
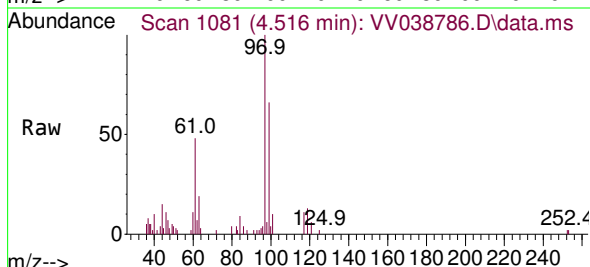
Manual Integrations
APPROVED

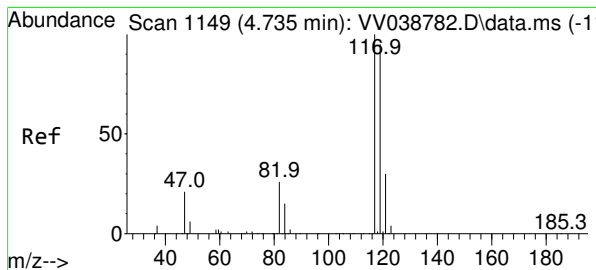
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#30
1,1,1-Trichloroethane
Concen: 1.866 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 97 Resp: 14302
Ion Ratio Lower Upper
97 100
99 70.3 52.3 78.5
61 25.9 33.6 50.4#





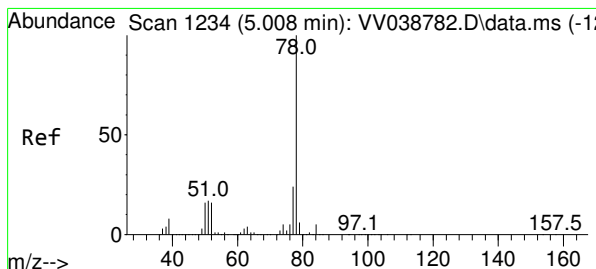
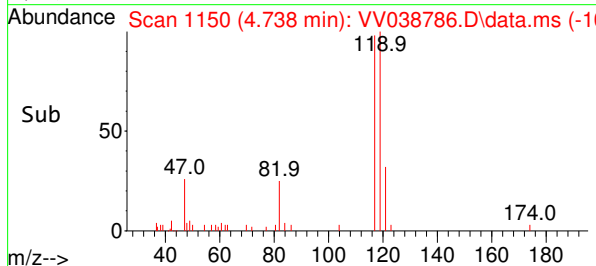
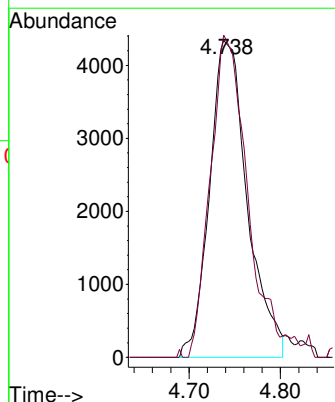
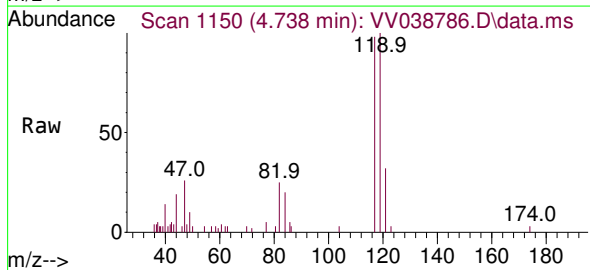
#31
Carbon tetrachloride
Concen: 1.872 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion:117 Resp: 1245
Ion Ratio Lower Upper
117 100
119 95.7 77.7 116.5

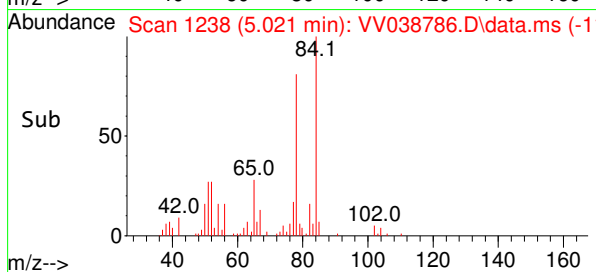
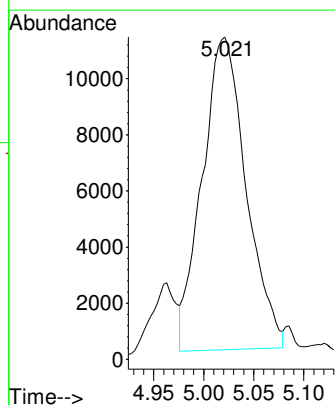
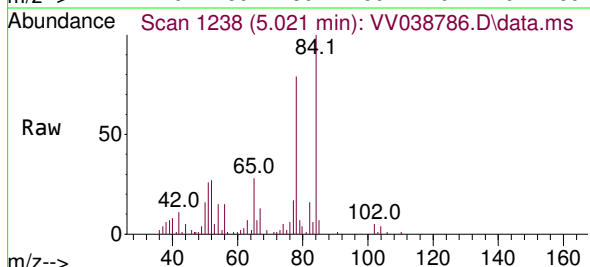
Manual Integrations
APPROVED

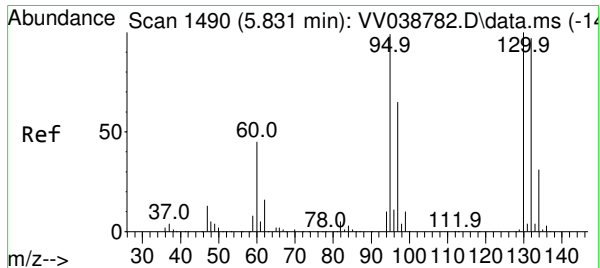
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#33
Benzene
Concen: 1.857 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.013 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 78 Resp: 34039





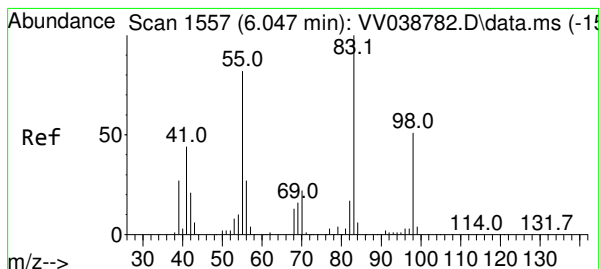
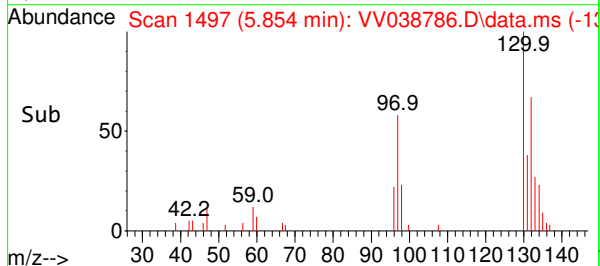
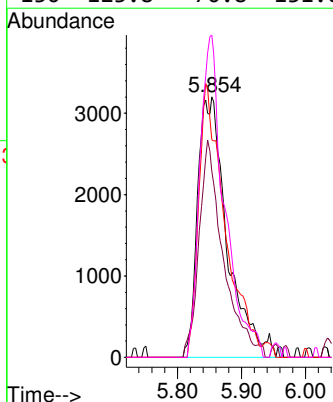
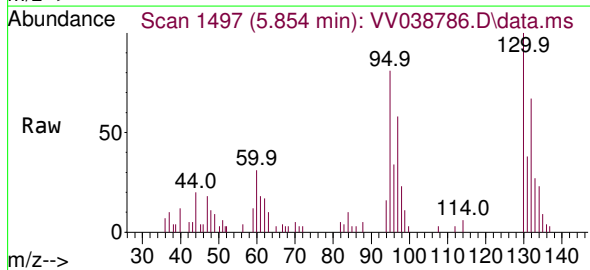
#34
Trichloroethene
Concen: 2.114 ug/L m
RT: 5.854 min Scan# 1
Delta R.T. 0.026 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 95 Resp: 1027
Ion Ratio Lower Upper
95 100
97 71.5 45.6 84.8
132 83.5 67.6 125.6
130 123.8 70.8 131.6

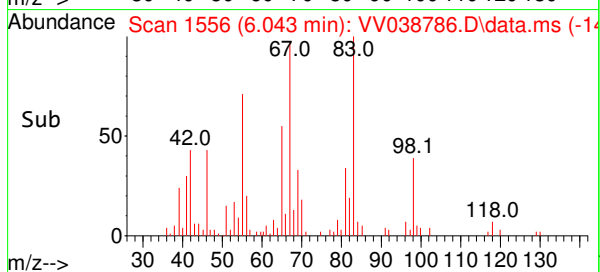
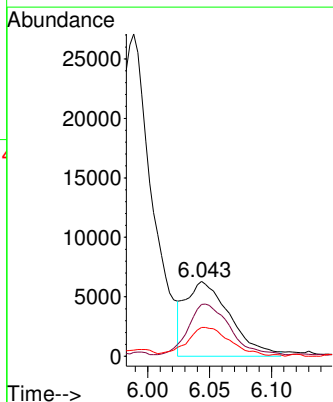
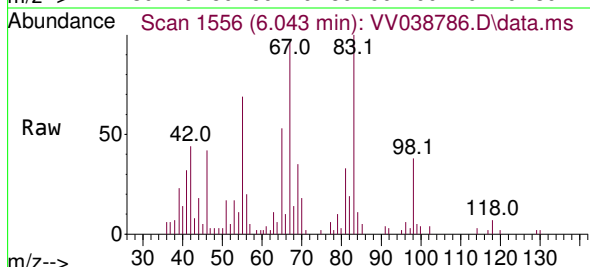
Manual Integrations
APPROVED

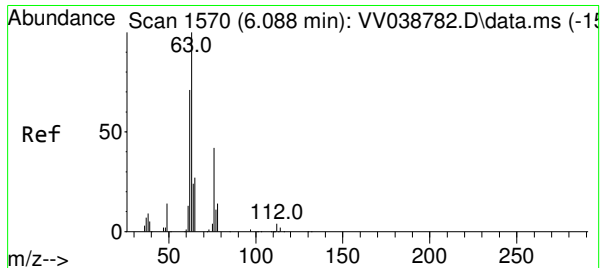
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#35
Methylcyclohexane
Concen: 2.067 ug/L m
RT: 6.043 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 83 Resp: 15749
Ion Ratio Lower Upper
83 100
55 67.8 59.0 88.6
98 38.1 39.5 59.3#





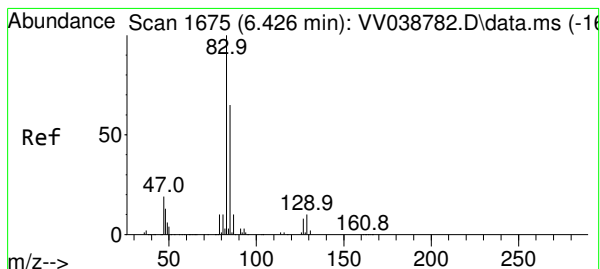
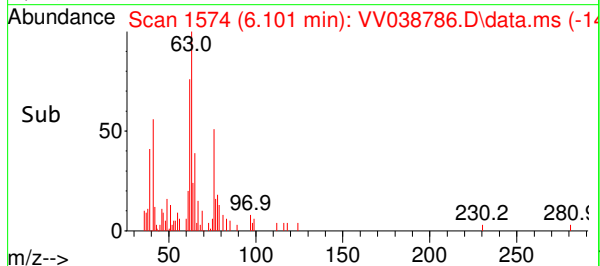
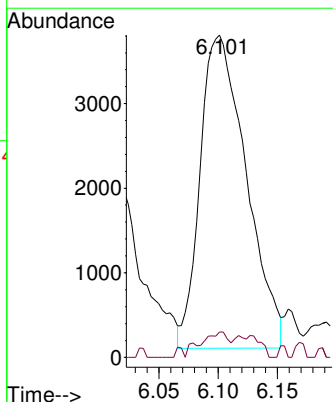
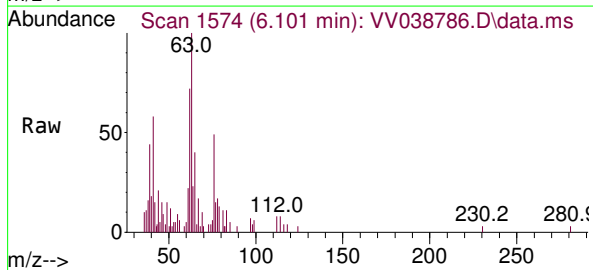
#37
1,2-Dichloropropane
Concen: 1.895 ug/L
RT: 6.101 min Scan# 1
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 63 Resp: 1000
Ion Ratio Lower Upper
63 100
112 1.9 3.8 5.6

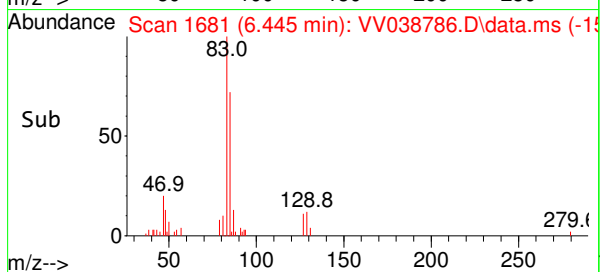
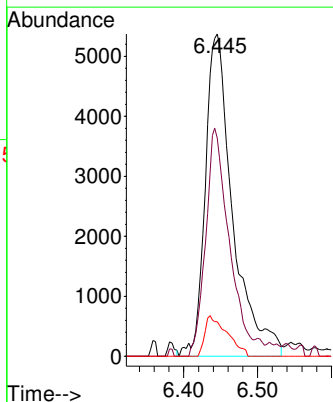
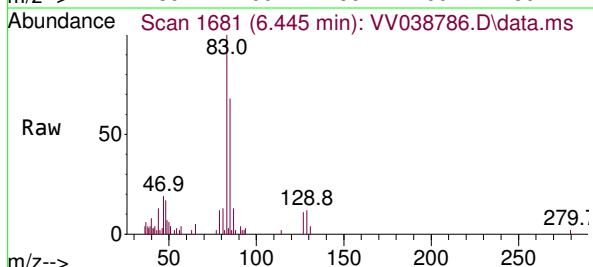
Manual Integrations
APPROVED

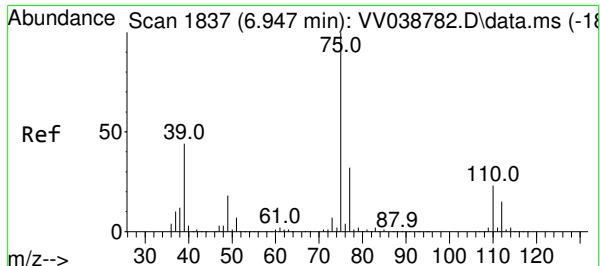
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#38
Bromodichloromethane
Concen: 2.028 ug/L m
RT: 6.445 min Scan# 1681
Delta R.T. 0.019 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 83 Resp: 13893
Ion Ratio Lower Upper
83 100
85 67.7 44.9 83.5
127 10.8 6.8 10.2#





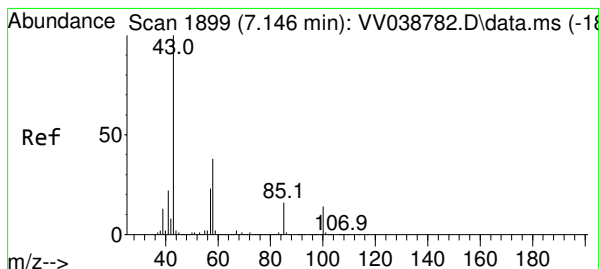
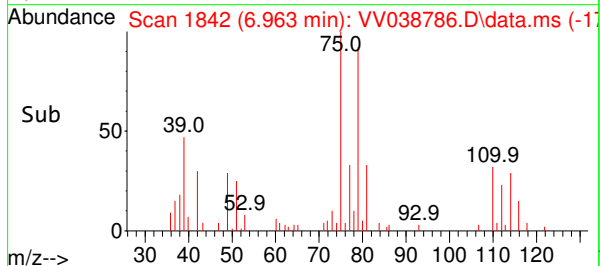
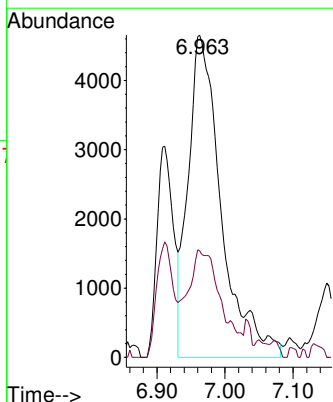
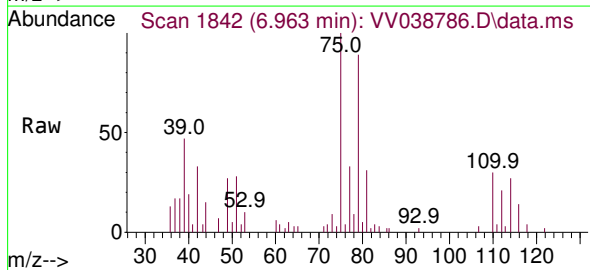
#39
 cis-1,3-Dichloropropene
 Concen: 2.079 ug/L m
 RT: 6.963 min Scan# 1
 Delta R.T. 0.016 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 75 Resp: 1577
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.9 40.7

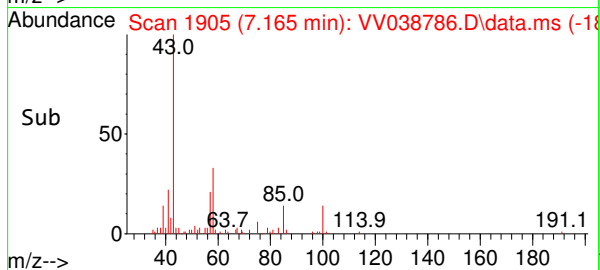
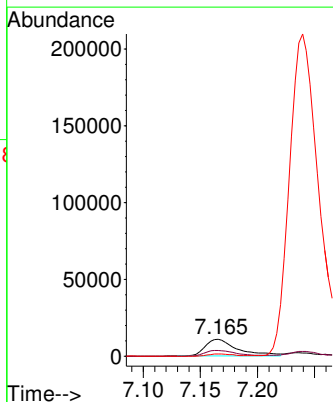
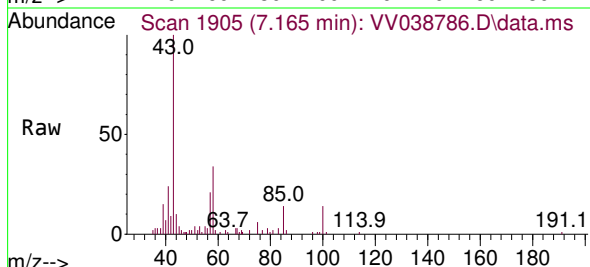
Manual Integrations
 APPROVED

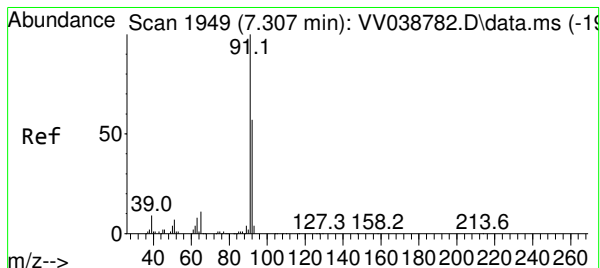
Reviewed By :John Carlone 06/12/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#40
 4-Methyl-2-pentanone
 Concen: 2.981 ug/L
 RT: 7.165 min Scan# 1905
 Delta R.T. 0.019 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Tgt Ion: 43 Resp: 21518
 Ion Ratio Lower Upper
 43 100
 58 35.7 32.7 49.1
 100 11.6 13.7 20.5#





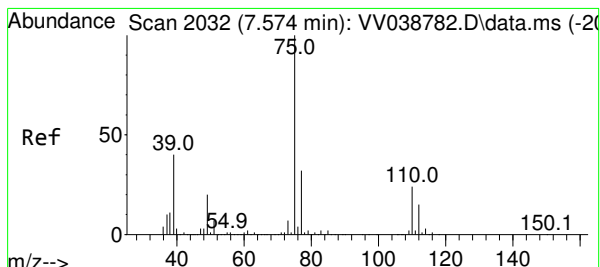
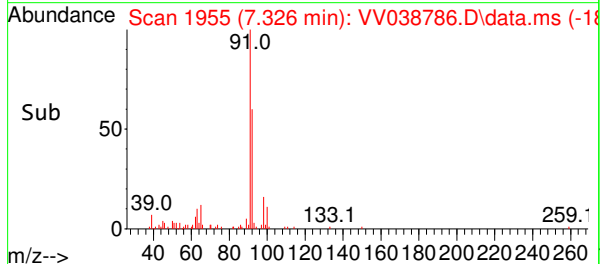
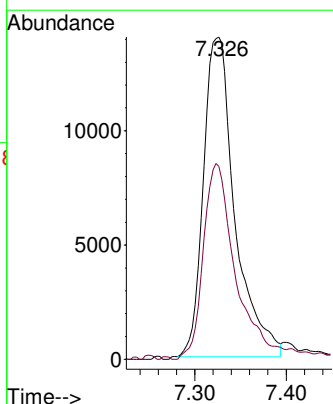
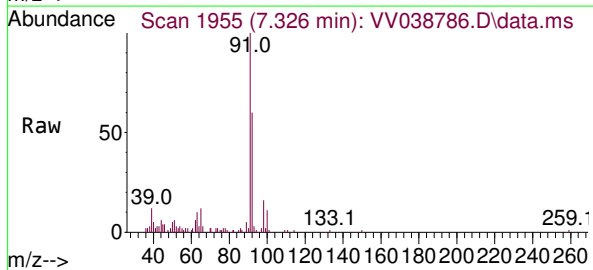
#42
Toluene
Concen: 1.769 ug/L
RT: 7.326 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 91 Resp: 3346
Ion Ratio Lower Upper
91 100
92 59.8 41.2 76.4

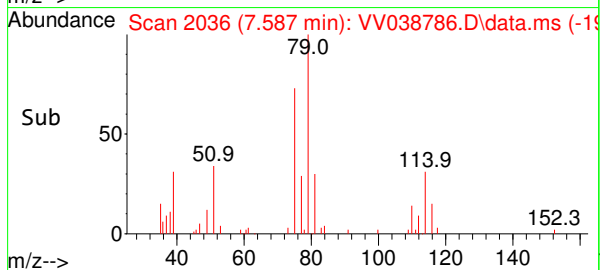
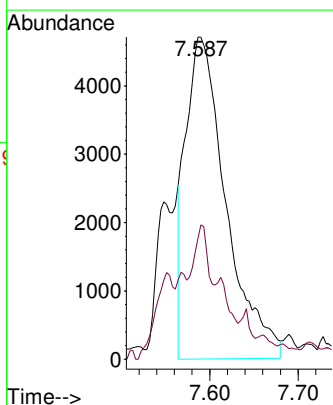
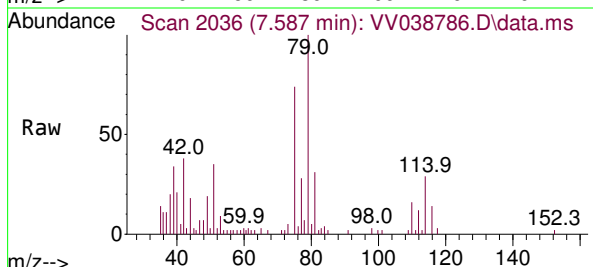
Manual Integrations
APPROVED

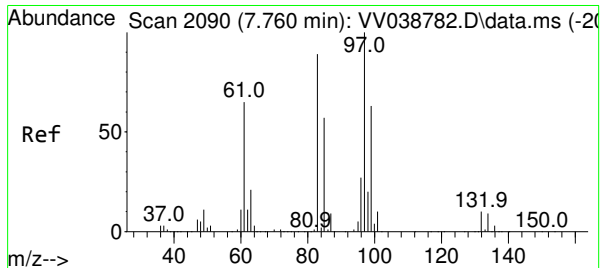
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#44
trans-1,3-Dichloropropene
Concen: 2.044 ug/L m
RT: 7.587 min Scan# 2036
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion: 75 Resp: 14970
Ion Ratio Lower Upper
75 100
77 37.6 22.7 42.1





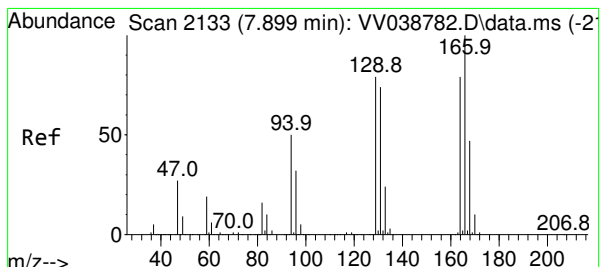
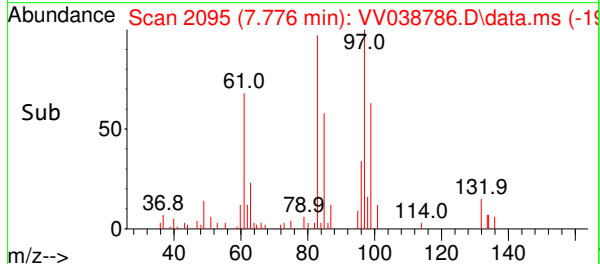
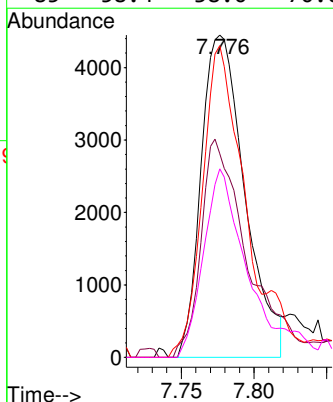
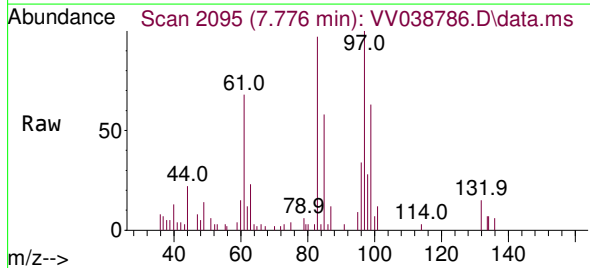
#45
1,1,2-Trichloroethane
Concen: 1.792 ug/L
RT: 7.776 min Scan# 2135
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.6	81.0
83	96.7	60.5	112.5
85	58.4	38.0	70.6

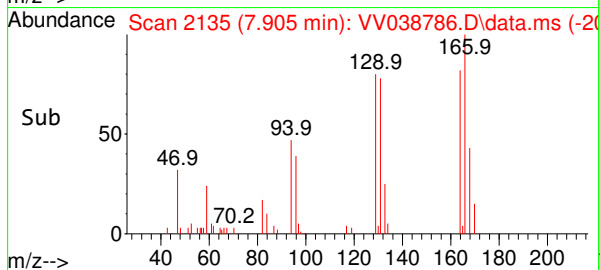
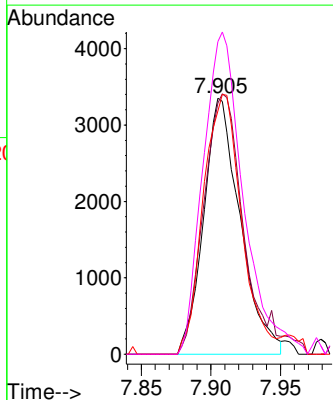
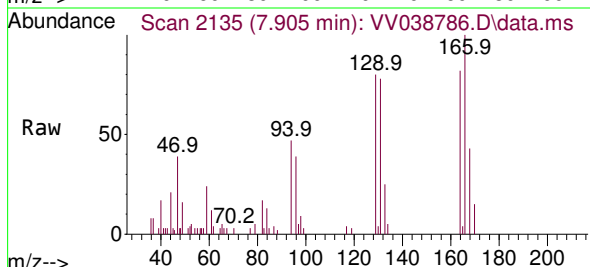
Manual Integrations
APPROVED

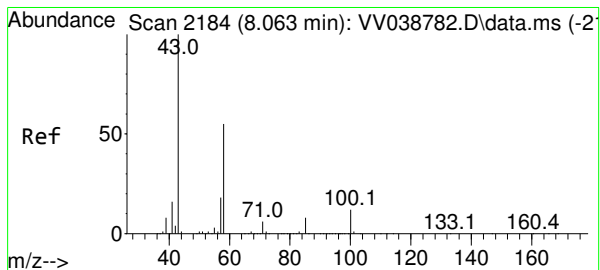
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#46
Tetrachloroethene
Concen: 1.713 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

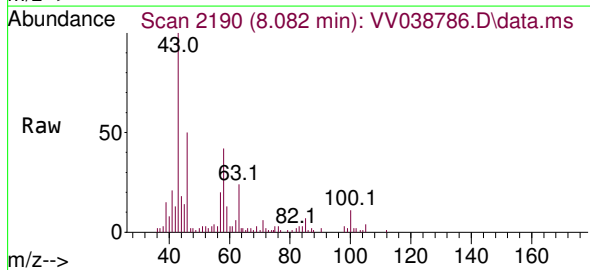
Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.2	69.2	128.4
131	95.0	63.1	117.3
166	122.2	89.7	166.5





#48
2-Hexanone
Concen: 5.496 ug/L
RT: 8.082 min Scan# 2184
Delta R.T. 0.019 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

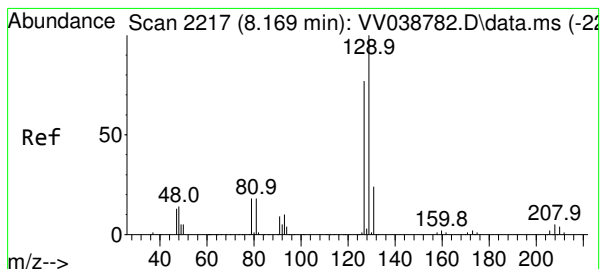
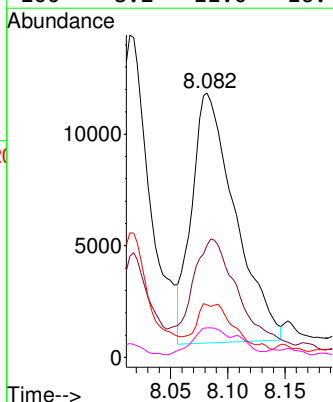
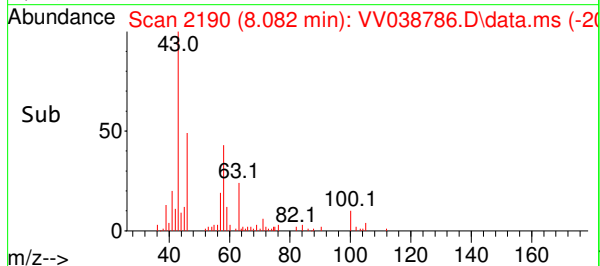
Instrument : MSVOA_V
ClientSampleId : VV038786.D
MDL-MED-SOIL-QT2-2025-04



Tgt Ion: 43 Resp: 2937
Ion Ratio Lower Upper
43 100
58 49.3 48.0 72.0
57 3.7 15.5 23.3
100 8.2 11.0 16.4#

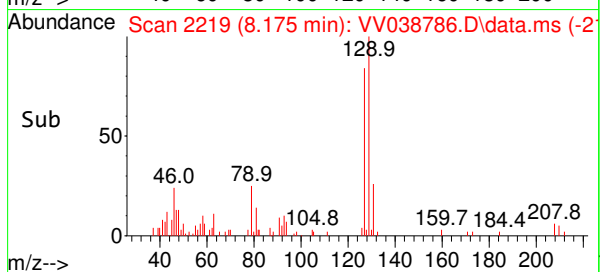
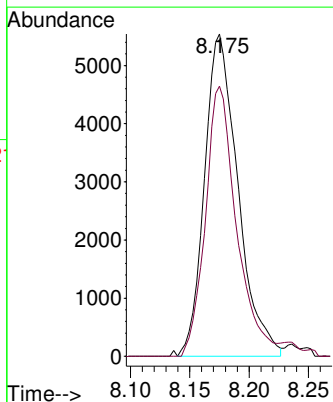
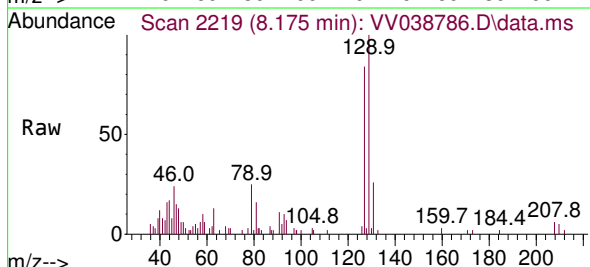
Manual Integrations
APPROVED

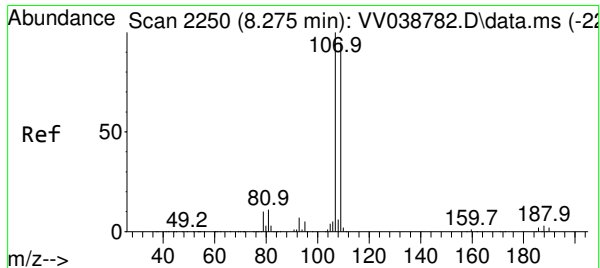
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#49
Dibromochloromethane
Concen: 2.066 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:129 Resp: 10864
Ion Ratio Lower Upper
129 100
127 83.7 53.8 100.0





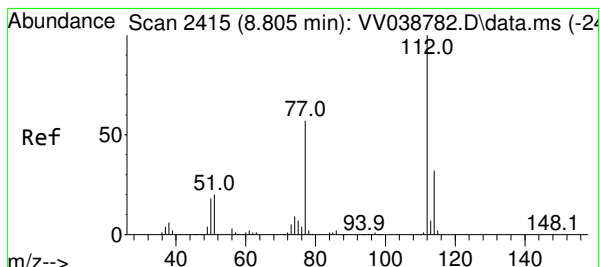
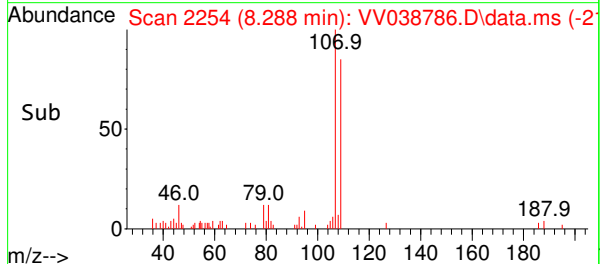
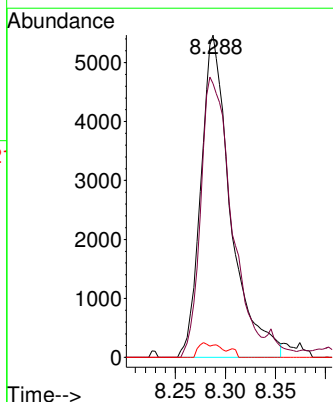
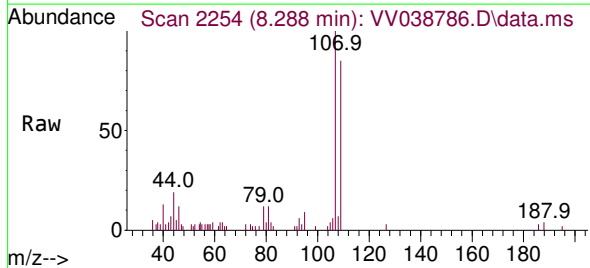
#50
1,2-Dibromoethane
Concen: 2.131 ug/L
RT: 8.288 min Scan# 2133
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion	Ratio	Lower	Upper
107	100		
109	84.9	66.1	122.7
188	3.8	2.6	3.8

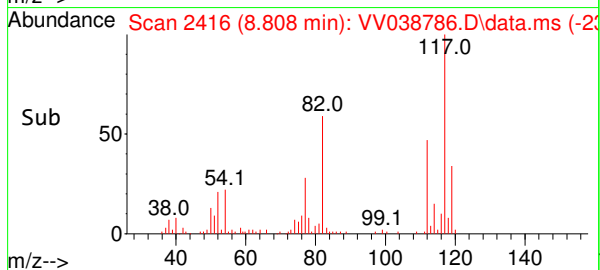
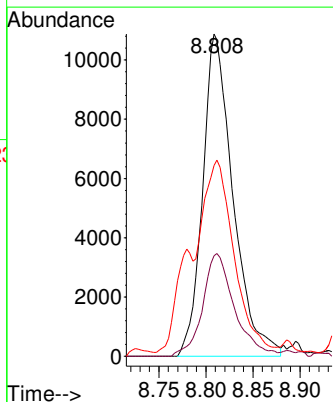
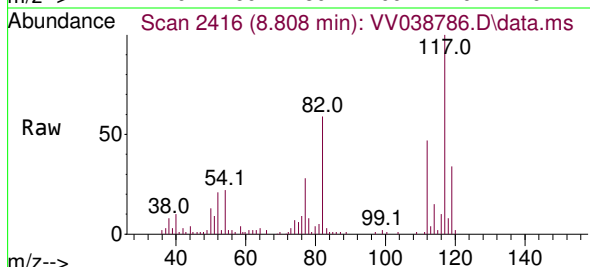
Manual Integrations
APPROVED

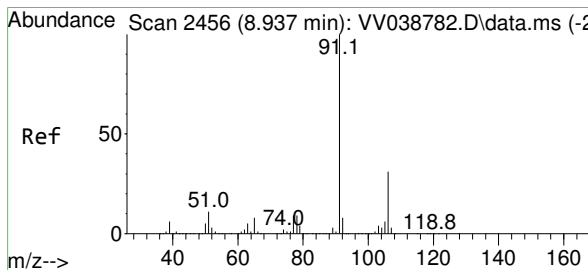
Reviewed By : John Carlone 06/12/2025
Supervised By : Mahesh Dadoda 06/16/2025



#51
Chlorobenzene
Concen: 1.911 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	21.9	40.7
77	59.2	45.4	68.0





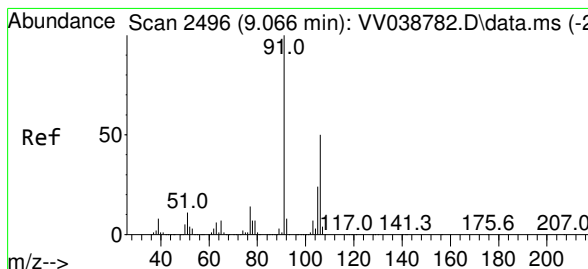
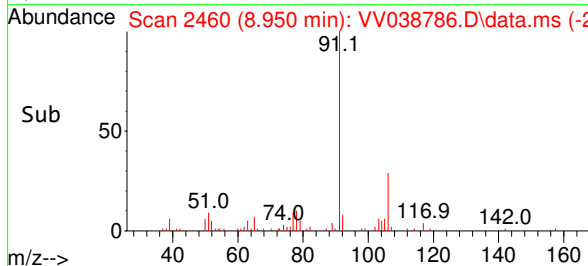
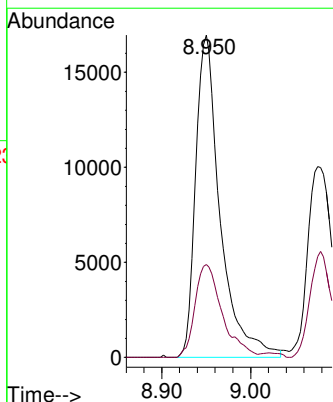
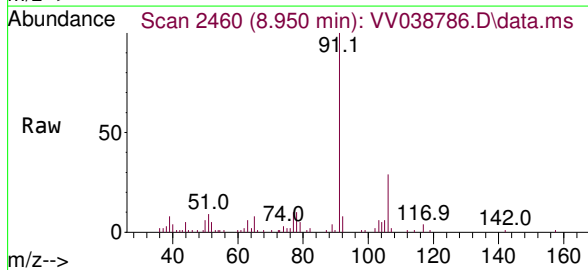
#52
Ethylbenzene
Concen: 1.596 ug/L
RT: 8.950 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion: 91 Resp: 3253
Ion Ratio Lower Upper
91 100
106 28.8 21.6 40.6

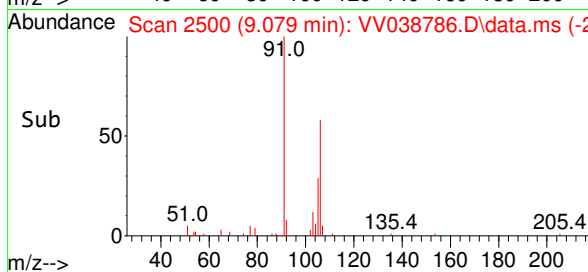
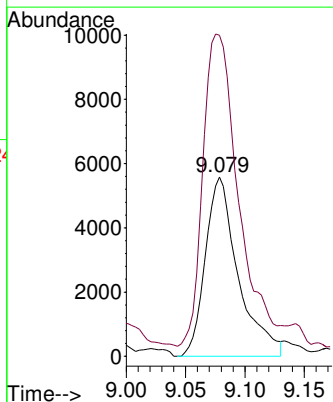
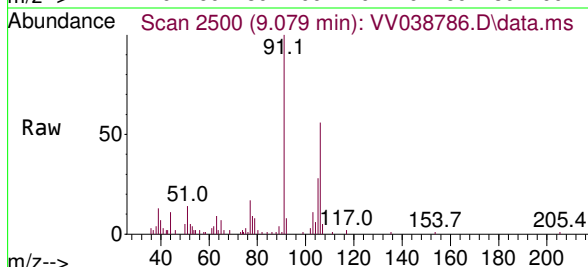
Manual Integrations
APPROVED

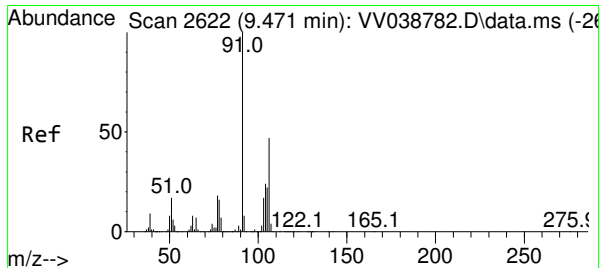
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#53
m,p-Xylene
Concen: 1.441 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.016 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:106 Resp: 10777
Ion Ratio Lower Upper
106 100
91 179.0 142.6 264.8





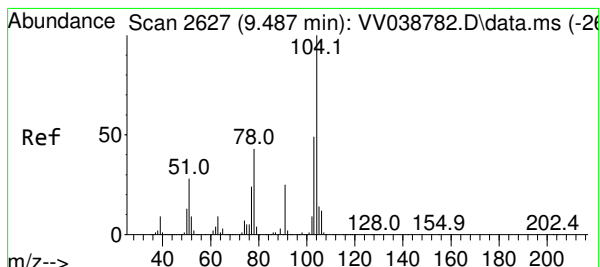
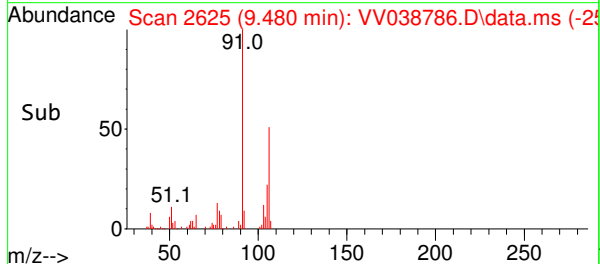
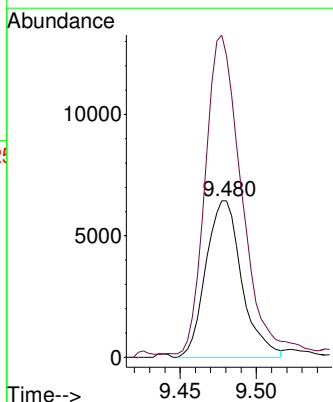
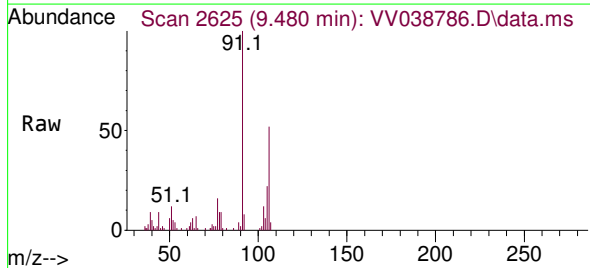
#54
o-Xylene
Concen: 1.457 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.013 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion:106 Resp: 1054
Ion Ratio Lower Upper
106 100
91 192.8 151.1 280.7

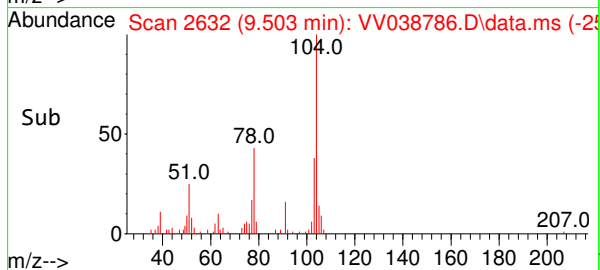
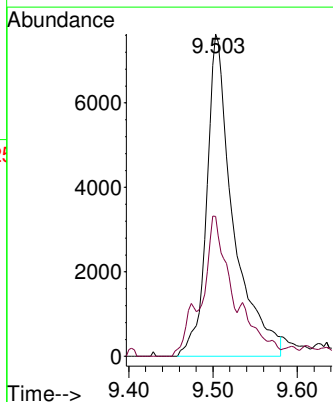
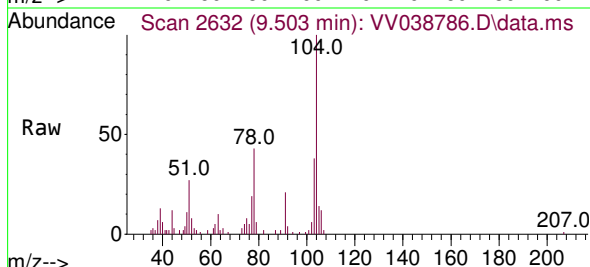
Manual Integrations
APPROVED

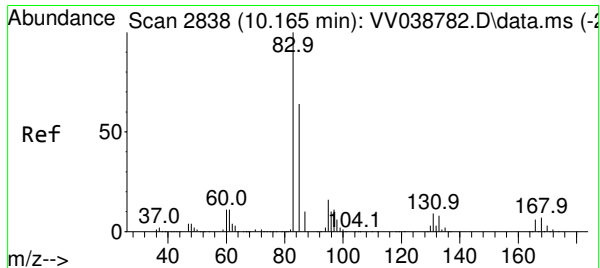
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#55
Styrene
Concen: 1.321 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.019 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

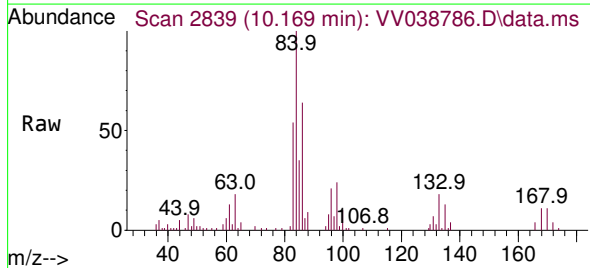
Tgt Ion:104 Resp: 16649
Ion Ratio Lower Upper
104 100
78 43.4 29.7 55.1





#57
1,1,2,2-Tetrachloroethane
Concen: 2.367 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

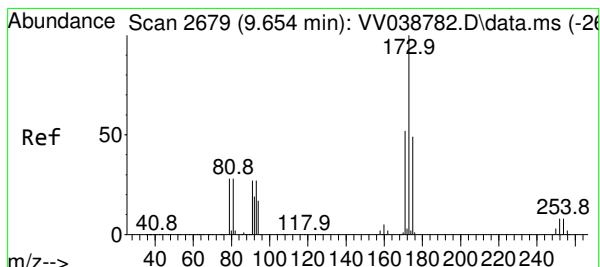
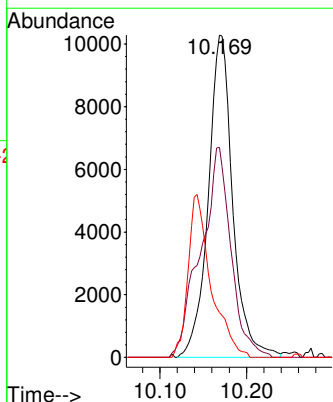
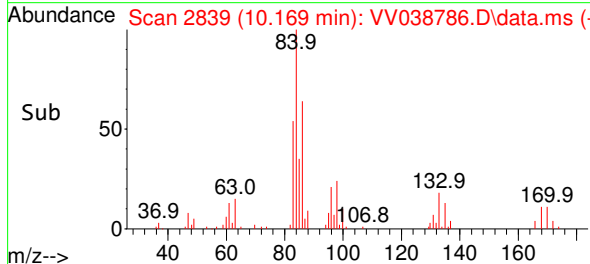
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04



Tgt Ion: 83 Resp: 2022
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9
131 13.9 8.0 12.6

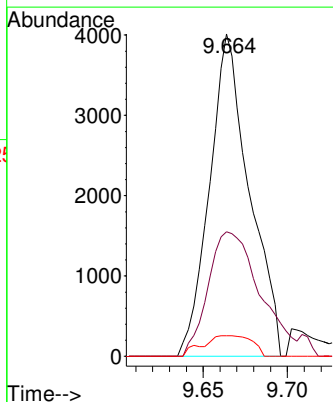
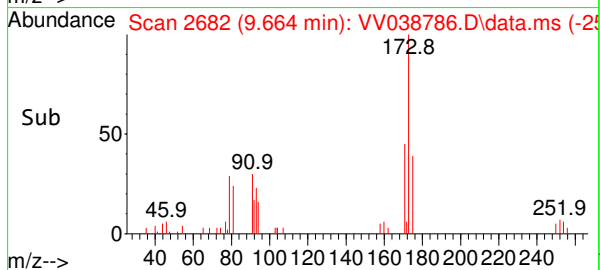
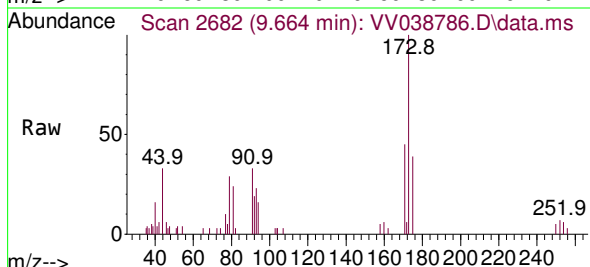
Manual Integrations
APPROVED

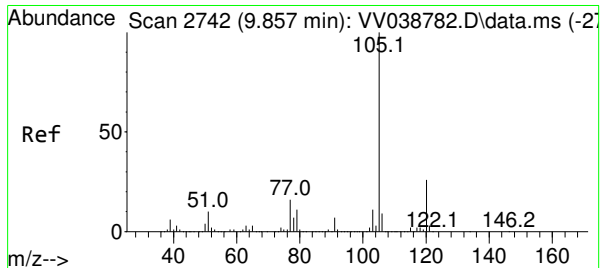
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#59
Bromoform
Concen: 2.036 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:173 Resp: 6603
Ion Ratio Lower Upper
173 100
175 50.3 38.8 58.2
254 6.5 6.9 10.3#





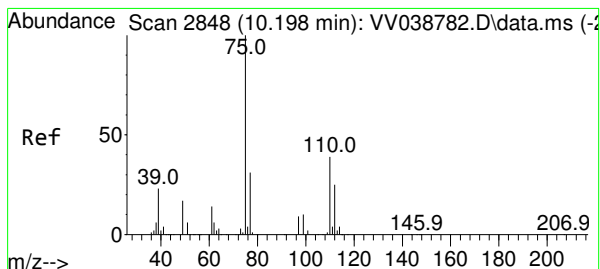
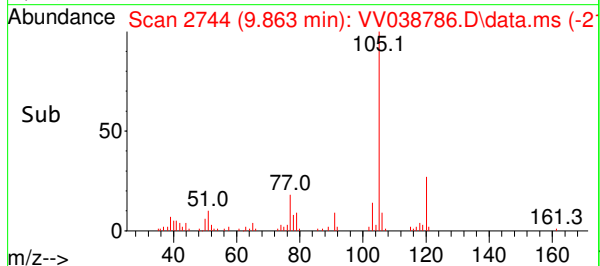
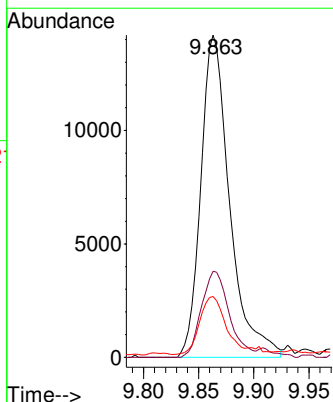
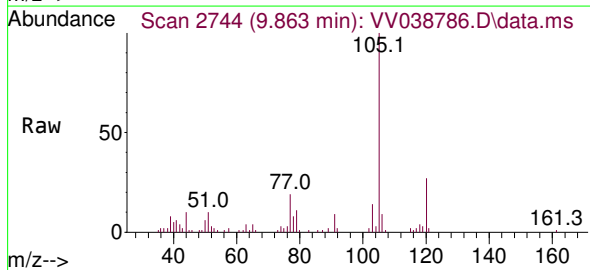
#60
Isopropylbenzene
Concen: 1.560 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion:	105	Resp:	2581
Ion Ratio	Lower	Upper	
105	100		
120	25.9	21.0	31.4
77	16.1	12.2	18.4

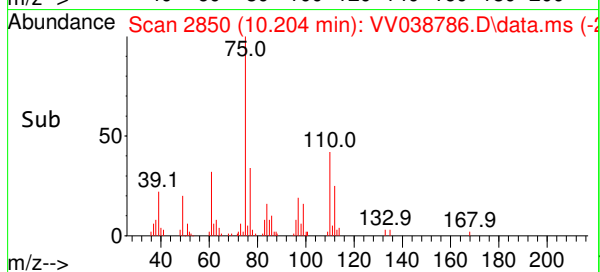
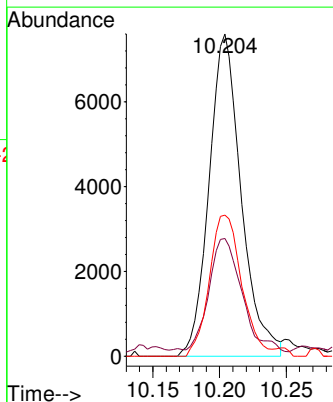
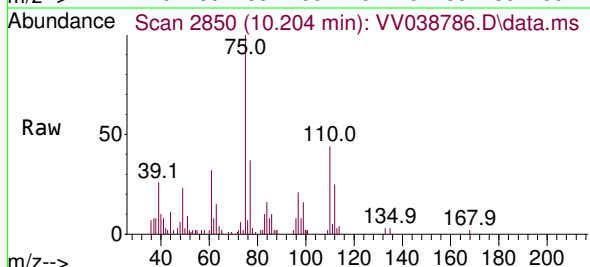
Manual Integrations
APPROVED

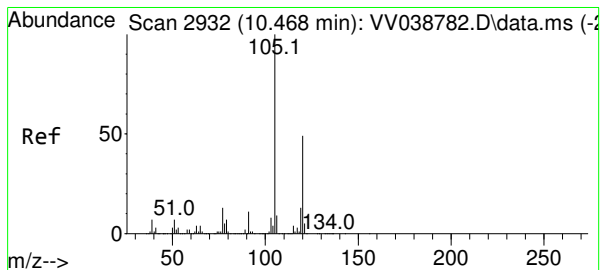
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#61
1,2,3-Trichloropropane
Concen: 2.241 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:	75	Resp:	12733
Ion Ratio	Lower	Upper	
75	100		
77	34.0	25.8	38.6
110	44.0	32.2	48.4





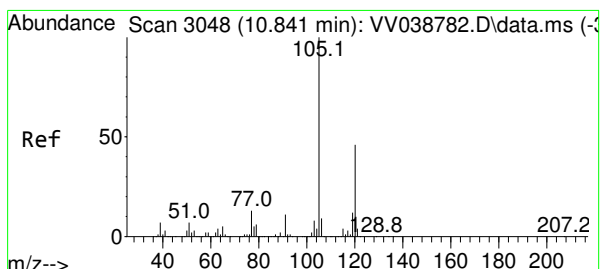
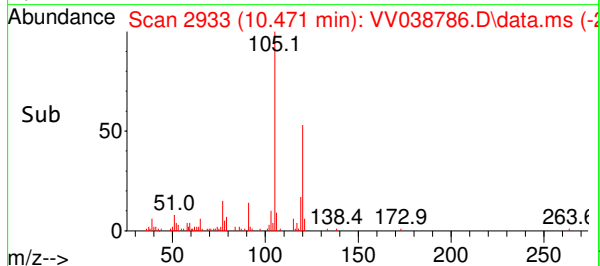
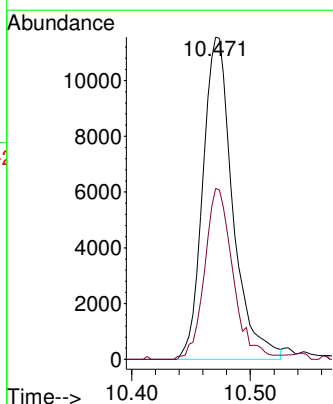
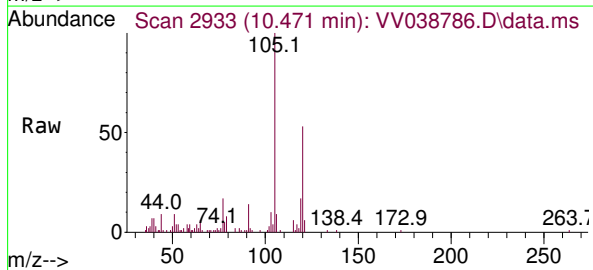
#62
1,3,5-Trimethylbenzene
Concen: 1.574 ug/L
RT: 10.471 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04

Tgt Ion:105 Resp: 2028
Ion Ratio Lower Upper
105 100
120 46.4 39.1 58.7

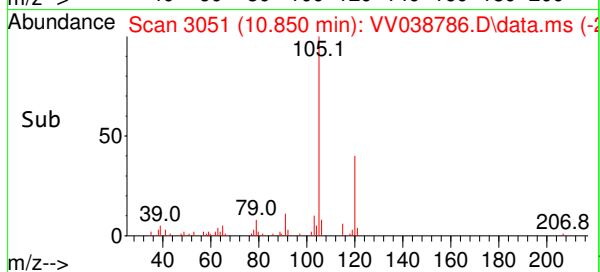
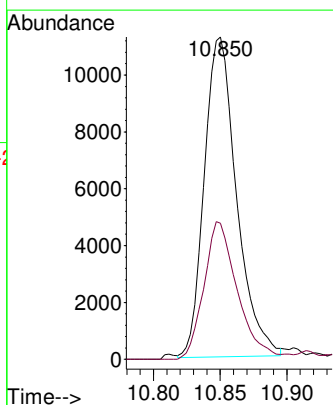
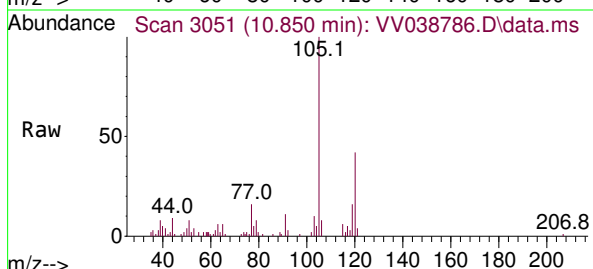
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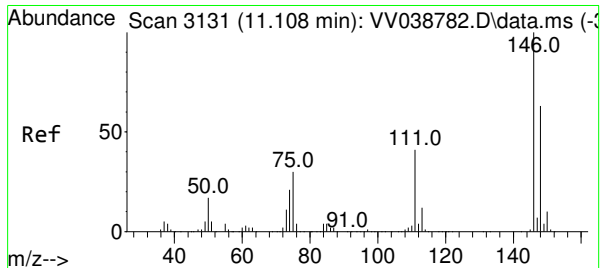
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#63
1,2,4-Trimethylbenzene
Concen: 1.490 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:105 Resp: 18970
Ion Ratio Lower Upper
105 100
120 44.4 36.6 55.0





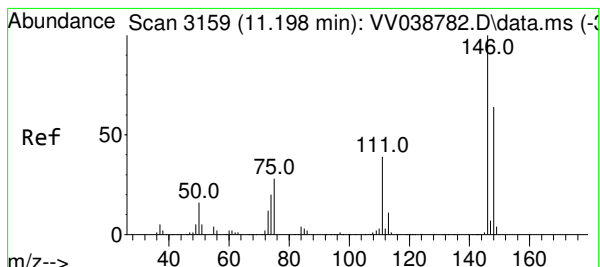
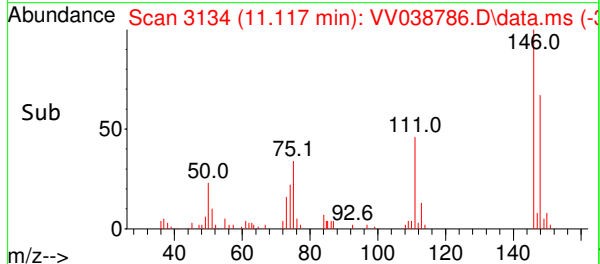
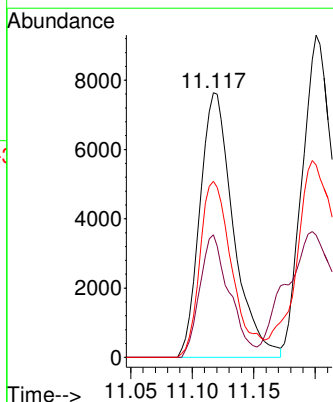
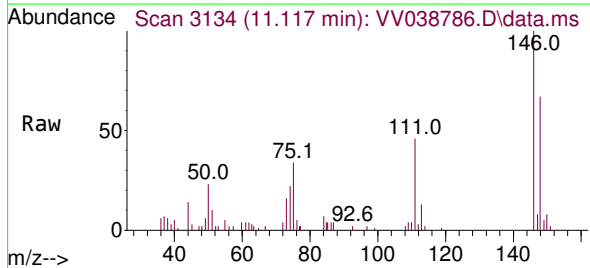
#64
1,3-Dichlorobenzene
Concen: 1.827 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.013 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion:146 Resp: 1445
Ion Ratio Lower Upper
146 100
111 46.3 27.8 51.6
148 66.5 45.1 83.7

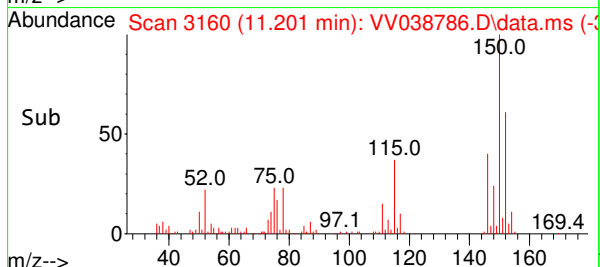
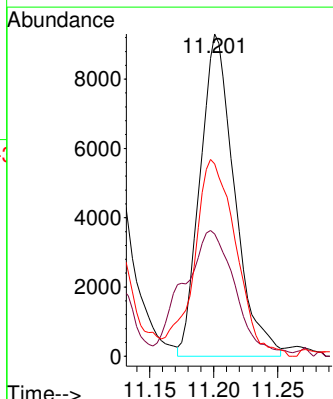
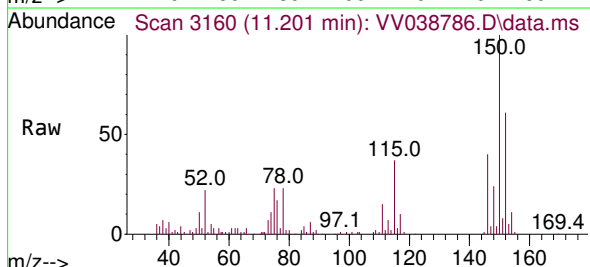
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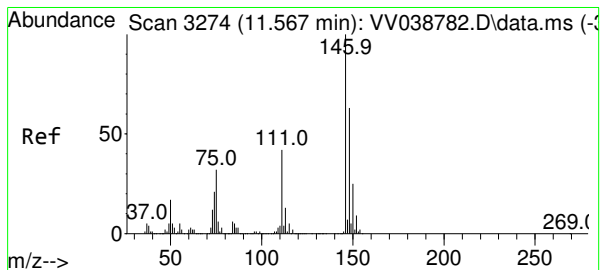
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#65
1,4-Dichlorobenzene
Concen: 2.042 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.003 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:146 Resp: 17383
Ion Ratio Lower Upper
146 100
111 37.9 27.6 51.4
148 59.6 44.9 83.3





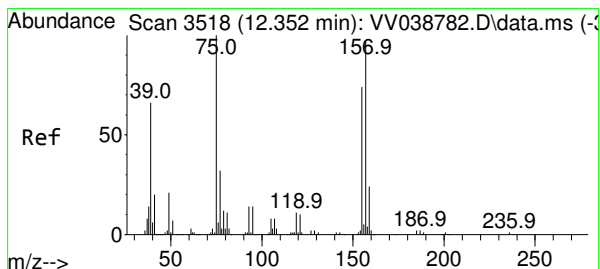
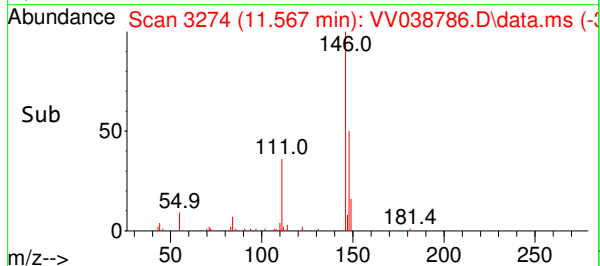
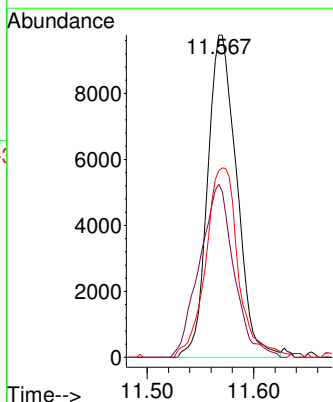
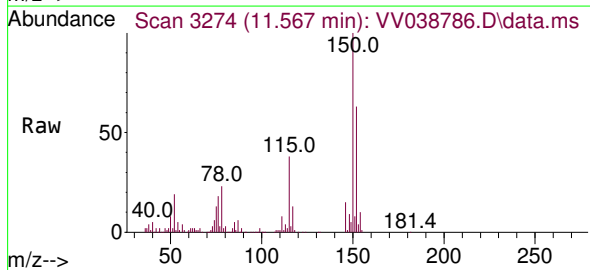
#67
 1,2-Dichlorobenzene
 Concen: 2.314 ug/L
 RT: 11.567 min Scan# 3274
 Delta R.T. 0.000 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Tgt Ion:	146	Resp:	1849
Ion	Ratio	Lower	Upper
146	100		
111	53.7	34.2	51.2
148	58.0	50.5	75.7

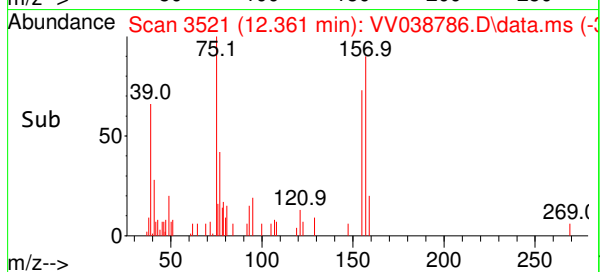
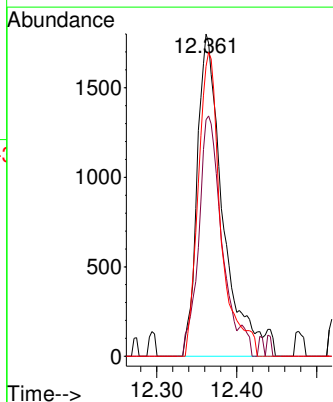
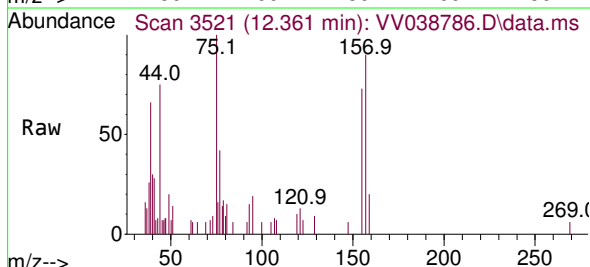
Manual Integrations
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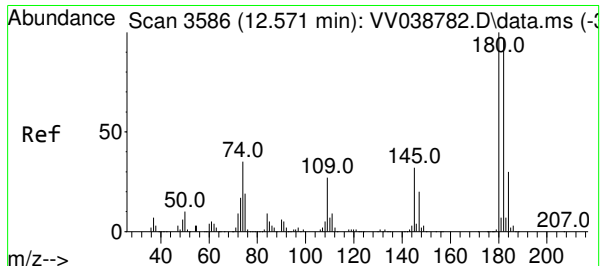
Reviewed By :John Carlone 06/12/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.495 ug/L
 RT: 12.361 min Scan# 3521
 Delta R.T. 0.010 min
 Lab File: VV038786.D
 Acq: 11 Jun 2025 16:16

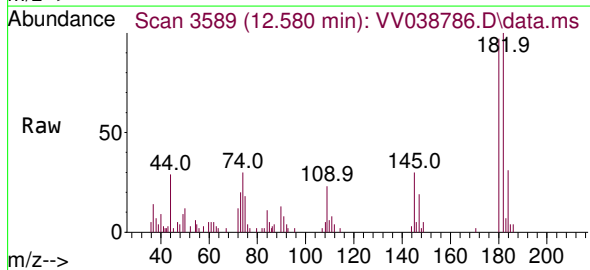
Tgt Ion:	75	Resp:	4051
Ion	Ratio	Lower	Upper
75	100		
155	73.4	66.8	100.2
157	89.9	83.4	125.2





#69
1,3,5-Trichlorobenzene
Concen: 1.809 ug/L
RT: 12.580 min Scan# 3586
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

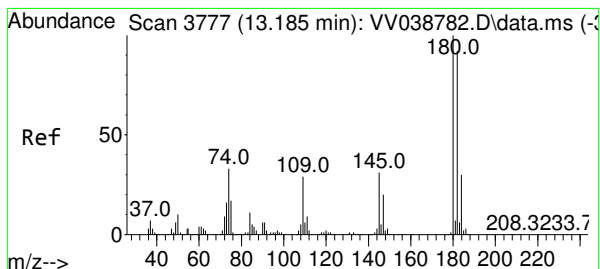
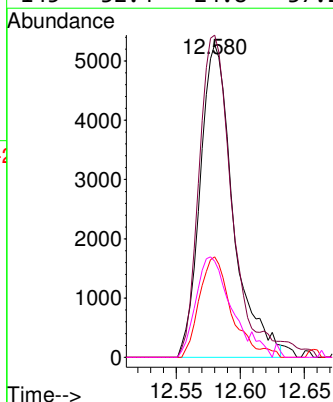
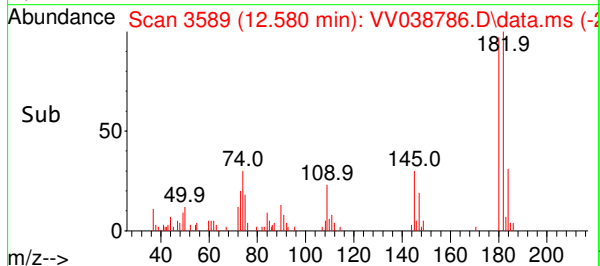
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-04



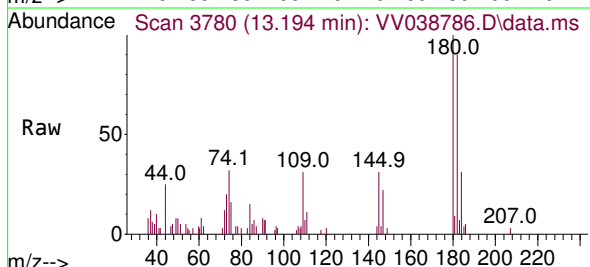
Tgt Ion:180 Resp: 946
Ion Ratio Lower Upper
180 100
182 98.7 76.2 114.4
184 30.5 23.8 35.6
145 32.4 24.8 37.2

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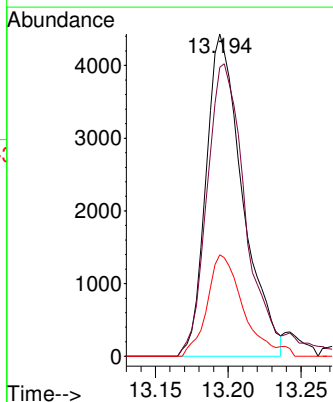
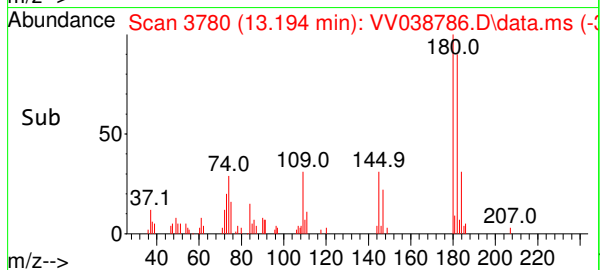
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025

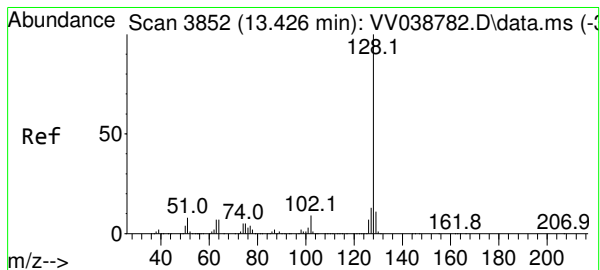


#70
1,2,4-trichlorobenzene
Concen: 1.735 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16



Tgt Ion:180 Resp: 7758
Ion Ratio Lower Upper
180 100
182 94.4 76.2 114.2
145 30.3 24.7 37.1





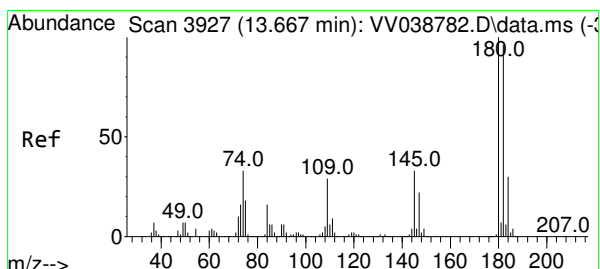
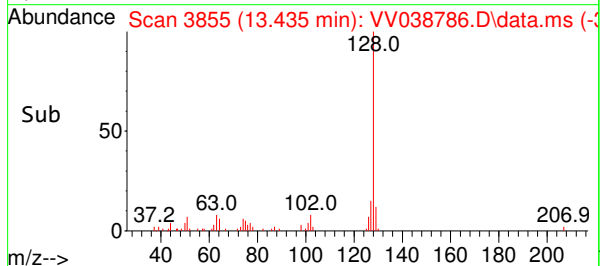
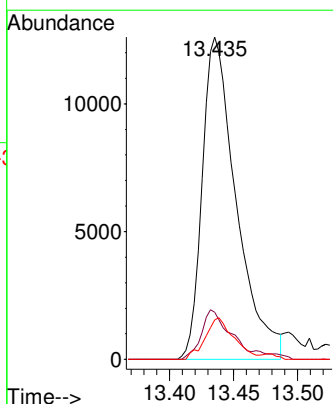
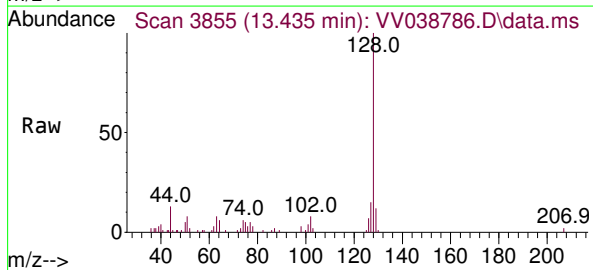
#71
Naphthalene
Concen: 1.466 ug/L
RT: 13.435 min Scan# 3852
Delta R.T. 0.010 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-04

Tgt Ion:128 Resp: 2328
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/16/2025



#72
1,2,3-Trichlorobenzene
Concen: 1.545 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.006 min
Lab File: VV038786.D
Acq: 11 Jun 2025 16:16

Tgt Ion:180 Resp: 7208
Ion Ratio Lower Upper
180 100
182 108.3 75.8 113.6
145 35.9 27.1 40.7

