

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061025\
 Data File : VV038779.D
 Acq On : 10 Jun 2025 13:50
 Operator : SY/MD
 Sample : Q2117-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Quant Time: Jun 10 14:47:21 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 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	515701	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	539620	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	245148	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	194877	45.439	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.880%		
7) Chloroethane-d5	1.542	69	178804	45.547	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.100%		
11) 1,1-Dichloroethene-d2	2.069	65	95680	45.327	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.660%		
21) 2-Butanone-d5	3.783	46	349380	104.457	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.460%		
24) Chloroform-d	4.249	84	430691	47.138	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.280%		
26) 1,2-Dichloroethane-d4	4.941	65	284387	53.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	106.640%		
32) Benzene-d6	4.960	84	828918	48.686	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.380%		
36) 1,2-Dichloropropane-d6	5.986	67	285048	50.409	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.820%		
41) Toluene-d8	7.236	98	703442	46.789	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.580%		
43) trans-1,3-Dichloroprop...	7.548	79	119809	48.584	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.160%		
47) 2-Hexanone-d5	8.014	63	246826	105.209	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.210%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	410436	48.918	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.840%		
66) 1,2-Dichlorobenzene-d4	11.548	152	246376	51.784	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	13109	2.164	ug/L	98
3) Chloromethane	1.227	50	13689	2.235	ug/L	84
5) Vinyl chloride	1.294	62	14338	2.265	ug/L #	67
6) Bromomethane	1.497	94	7905	2.515	ug/L	91
8) Chloroethane	1.558	64	9837	2.588	ug/L	99
9) Trichlorofluoromethane	1.725	101	18867	2.259	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	14670	2.968	ug/L #	84
12) 1,1-Dichloroethene	2.079	96	12984	2.914	ug/L #	1
13) Acetone	2.124	43	15545	6.892	ug/L	98
14) Carbon disulfide	2.249	76	30949	2.272	ug/L	96
15) Methyl Acetate	2.397	43	15529m	2.593	ug/L	
17) trans-1,2-Dichloroethene	2.709	96	9544	2.130	ug/L	94
18) Methyl tert-butyl Ether	2.712	73	27130	2.010	ug/L #	91
19) 1,1-Dichloroethane	3.124	63	22337	2.399	ug/L	91
20) cis-1,2-Dichloroethene	3.822	96	11956m	2.485	ug/L	
22) 2-Butanone	3.915	43	21369m	6.036	ug/L	
23) Bromochloromethane	4.166	128	6222	2.422	ug/L	93
27) 1,2-Dichloroethane	5.063	62	18666m	2.695	ug/L	
29) Cyclohexane	4.577	56	15458m	2.004	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.516	97	18076	2.277	ug/L #	84
31) Carbon tetrachloride	4.744	117	14965	2.172	ug/L	98
33) Benzene	5.015	78	43441	2.289	ug/L	100
34) Trichloroethene	5.847	95	12303m	2.445	ug/L	
35) Methylcyclohexane	6.040	83	18054m	2.288	ug/L	
37) 1,2-Dichloropropane	6.098	63	11908m	2.177	ug/L	
38) Bromodichloromethane	6.442	83	16511	2.327	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	14975	1.906	ug/L	94
40) 4-Methyl-2-pentanone	7.159	43	28060	3.753	ug/L #	88
42) Toluene	7.320	91	41817	2.134	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	17801m	2.347	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	12388	2.311	ug/L	95
46) Tetrachloroethene	7.905	164	8361	2.260	ug/L	91
48) 2-Hexanone	8.079	43	28872	5.216	ug/L #	94
49) Dibromochloromethane	8.172	129	12766	2.345	ug/L	97
50) 1,2-Dibromoethane	8.288	107	12875	2.337	ug/L #	95
51) Chlorobenzene	8.809	112	28911	2.186	ug/L	94
52) Ethylbenzene	8.947	91	39664	1.879	ug/L	95
53) m,p-Xylene	9.075	106	12383	1.598	ug/L	92
54) o-Xylene	9.474	106	13103	1.748	ug/L	100
55) Styrene	9.500	104	19412	1.487	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	23427	2.648	ug/L	93
59) Bromoform	9.664	173	8637	2.525	ug/L #	37
60) Isopropylbenzene	9.860	105	34161	1.956	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	15276	2.550	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	24132	1.776	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	23771	1.771	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	17873	2.142	ug/L	86
65) 1,4-Dichlorobenzene	11.198	146	21424	2.386	ug/L	91
67) 1,2-Dichlorobenzene	11.567	146	21027	2.495	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.358	75	4966	2.900	ug/L #	72
69) 1,3,5-Trichlorobenzene	12.577	180	12777	2.316	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	9667	2.050	ug/L	97
71) Naphthalene	13.435	128	29470	1.759	ug/L	98
72) 1,2,3-Trichlorobenzene	13.673	180	9860	2.004	ug/L	98

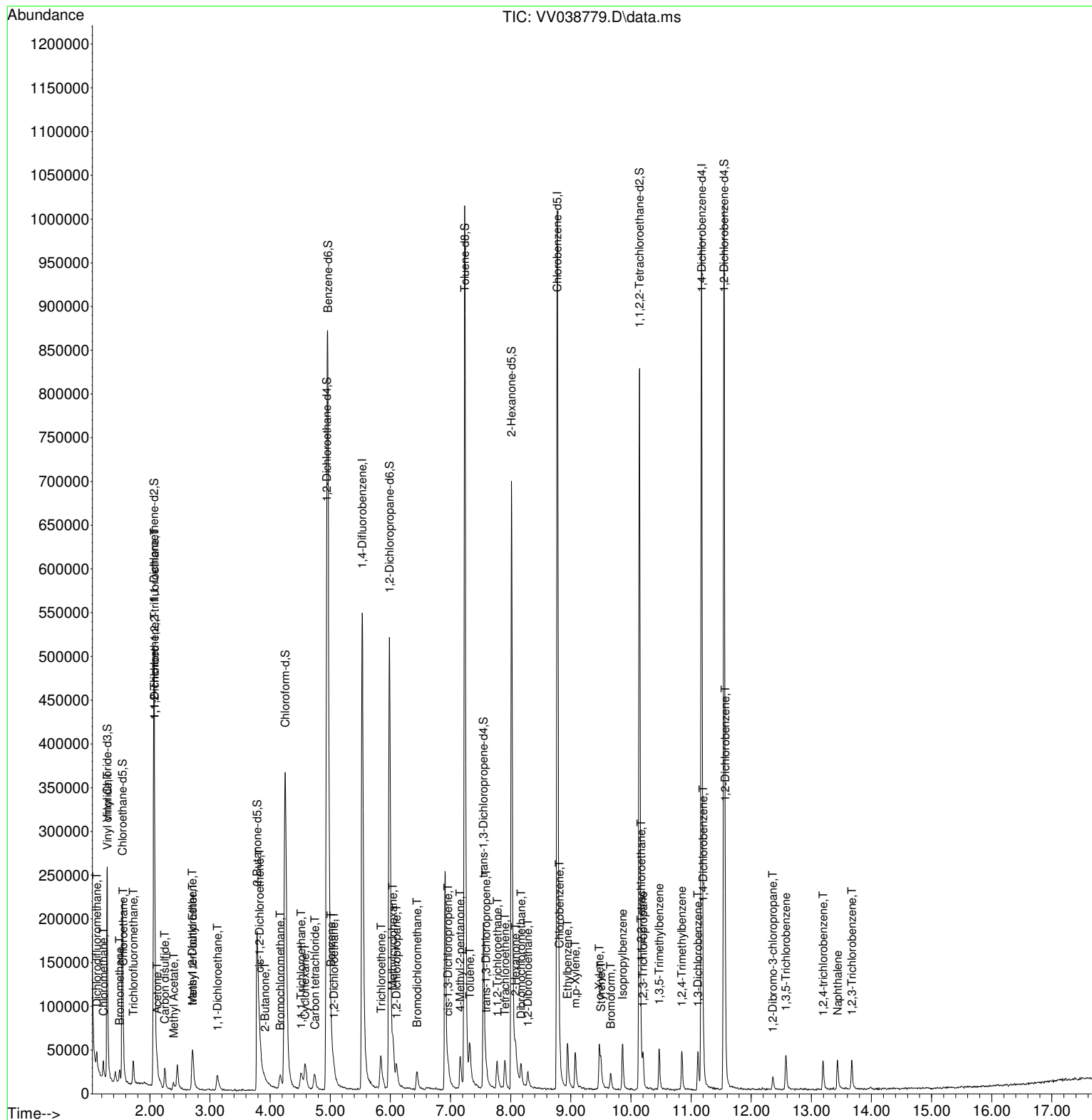
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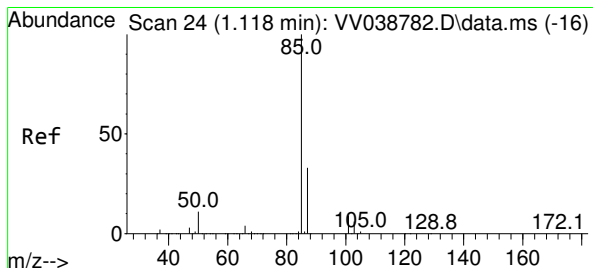
Instrument :
MSVOA_V

ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

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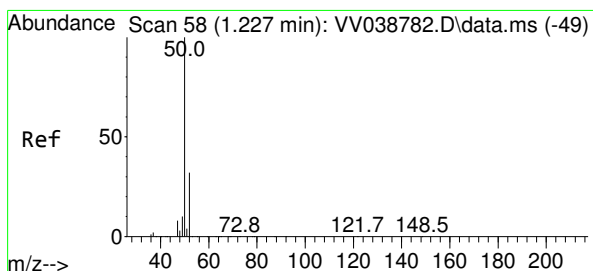
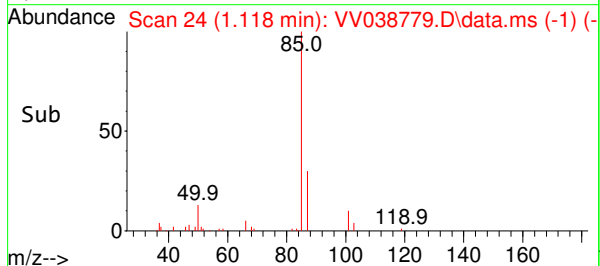
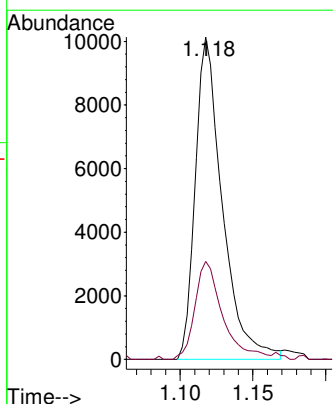
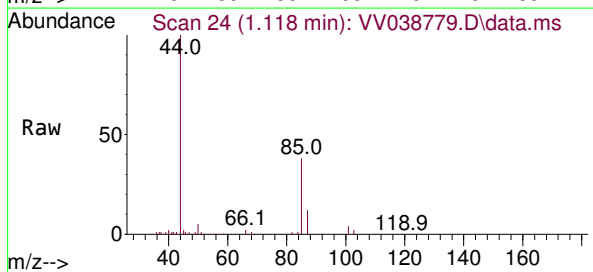
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Dichlorodifluoromethane
Concen: 2.164 ug/L
RT: 1.118 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 85 Resp: 1316
Ion Ratio Lower Upper
85 100
87 31.1 25.8 38.6

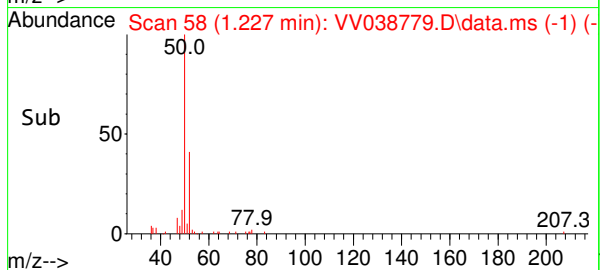
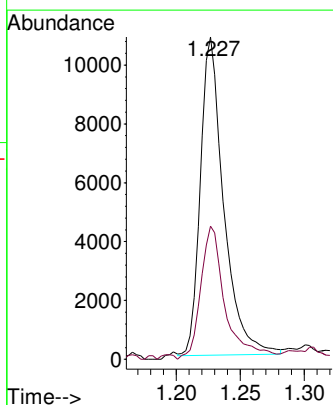
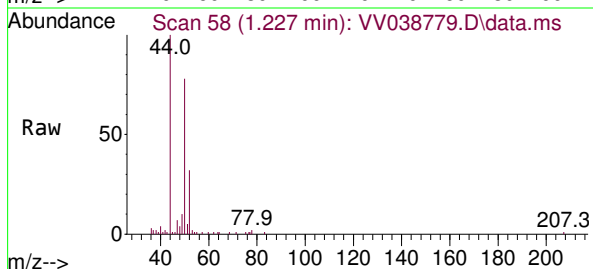
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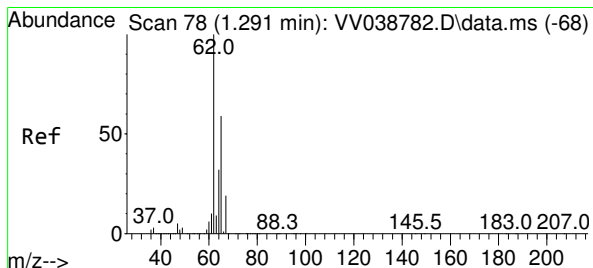
Reviewed By :John Carlone 06/16/2025
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#3
Chloromethane
Concen: 2.235 ug/L
RT: 1.227 min Scan# 58
Delta R.T. 0.000 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 50 Resp: 13689
Ion Ratio Lower Upper
50 100
52 41.3 22.7 42.3





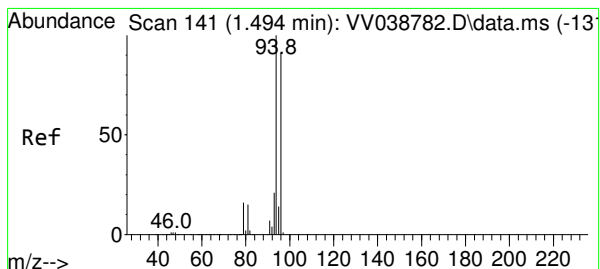
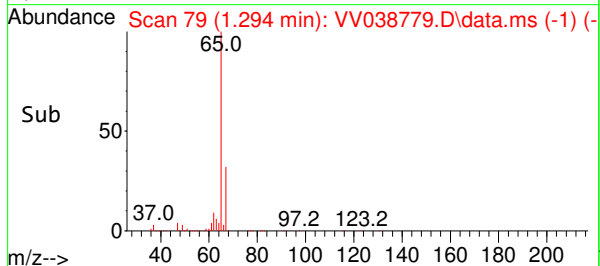
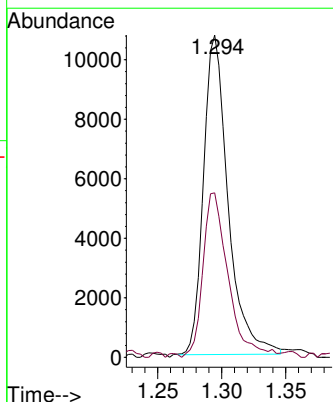
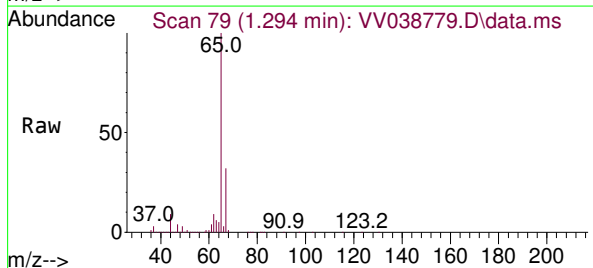
#5
 Vinyl chloride
 Concen: 2.265 ug/L
 RT: 1.294 min Scan# 7
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 62 Resp: 1433
 Ion Ratio Lower Upper
 62 100
 64 51.0 22.8 42.4

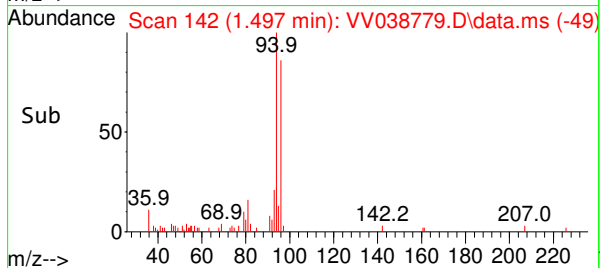
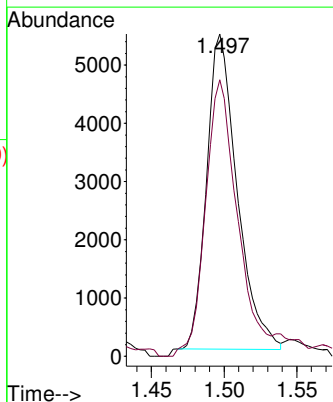
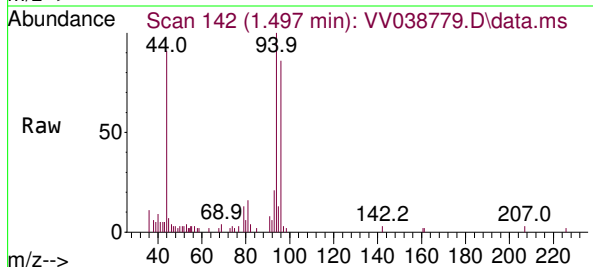
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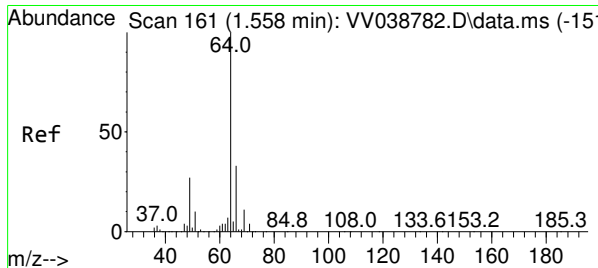
Reviewed By :John Carlone 06/16/2025
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#6
 Bromomethane
 Concen: 2.515 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Tgt Ion: 94 Resp: 7905
 Ion Ratio Lower Upper
 94 100
 96 85.8 66.1 122.8





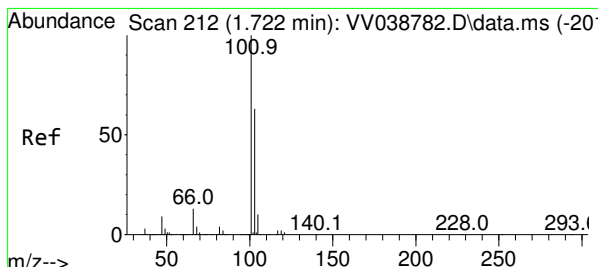
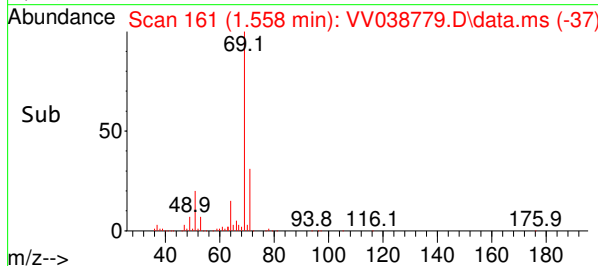
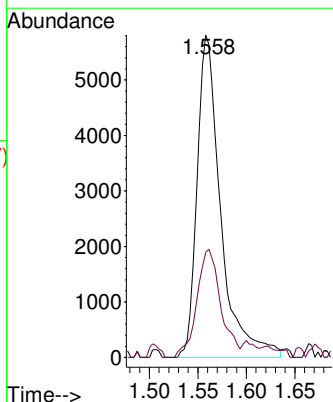
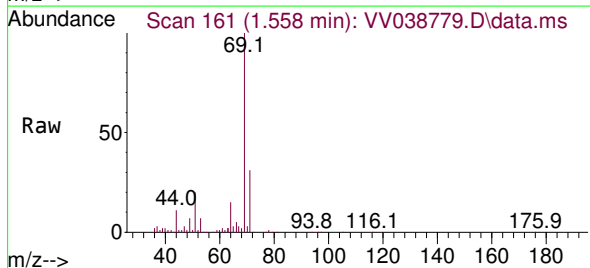
#8
Chloroethane
Concen: 2.588 ug/L
RT: 1.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 64 Resp: 983
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.5

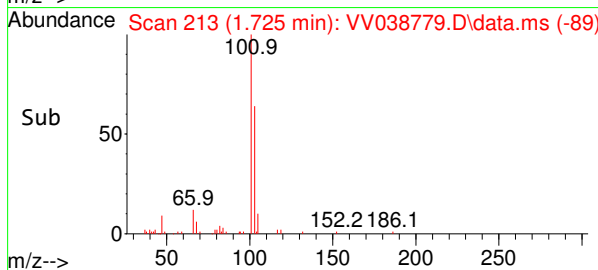
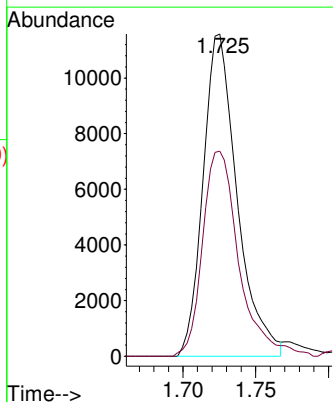
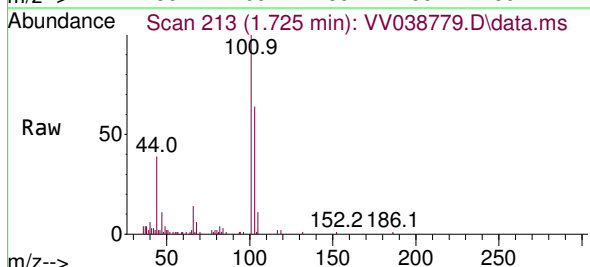
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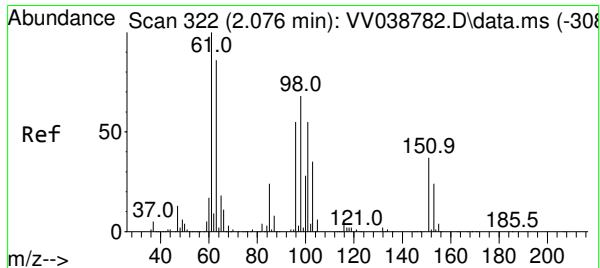
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#9
Trichlorofluoromethane
Concen: 2.259 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:101 Resp: 18867
Ion Ratio Lower Upper
101 100
103 66.4 51.7 77.5





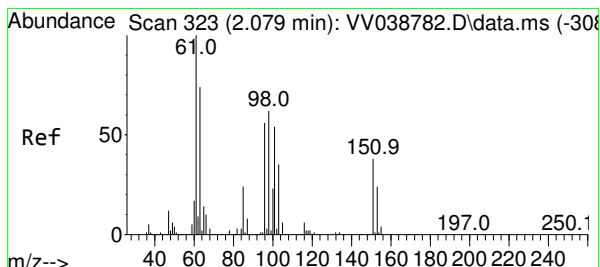
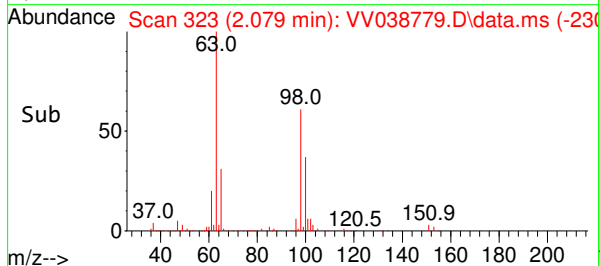
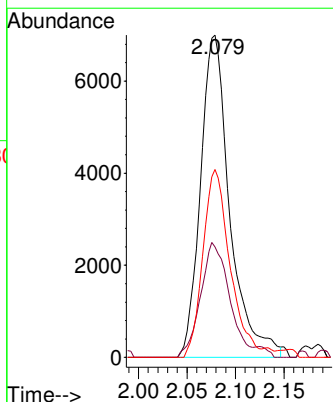
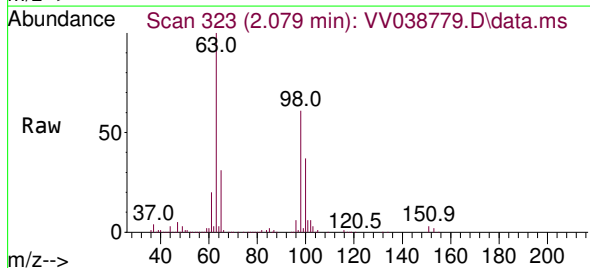
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.968 ug/L
 RT: 2.079 min Scan# 323
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion:	101	Resp:	1467
Ion Ratio	Lower	Upper	
101	100		
85	35.0	34.7	52.1
151	53.9	55.3	82.9

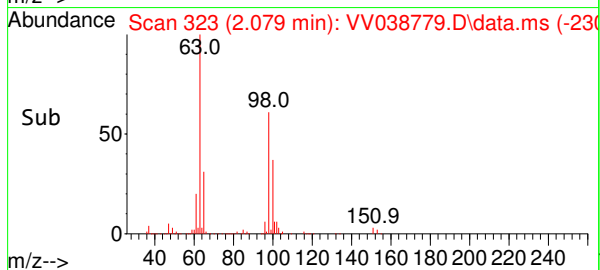
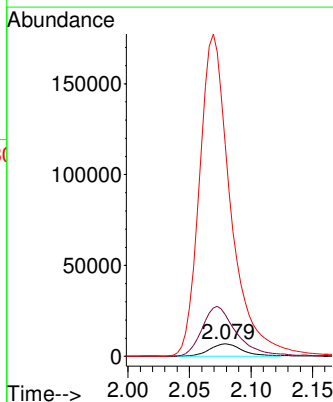
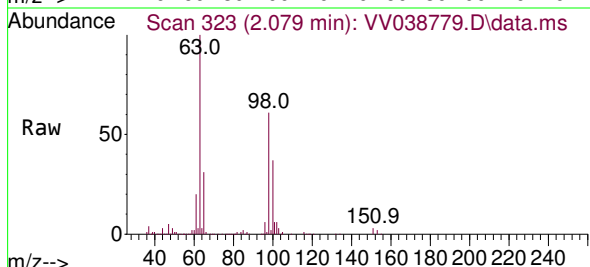
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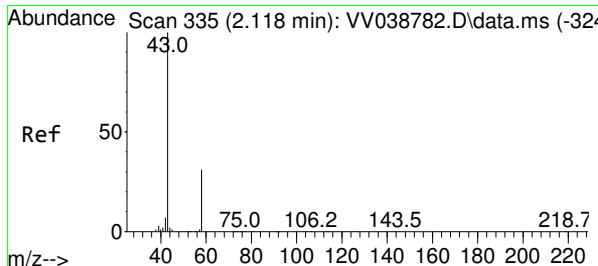
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 Supervised By :Mahesh Dadoda 06/16/2025



#12
 1,1-Dichloroethene
 Concen: 2.914 ug/L
 RT: 2.079 min Scan# 323
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Tgt Ion:	96	Resp:	12984
Ion Ratio	Lower	Upper	
96	100		
61	334.7	120.9	224.5#
63	1694.9	110.9	205.9#





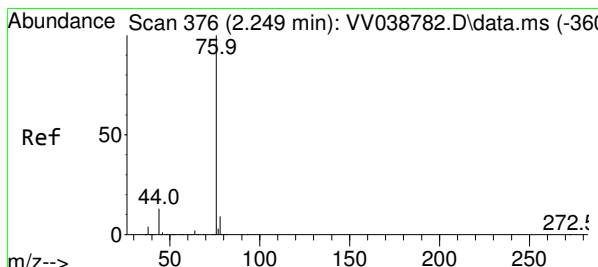
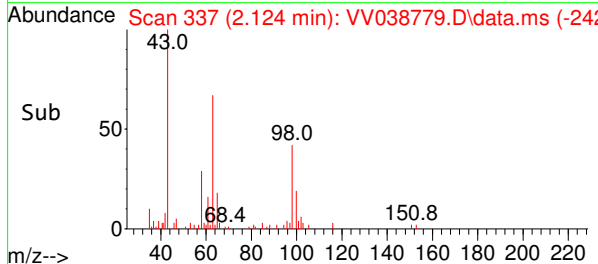
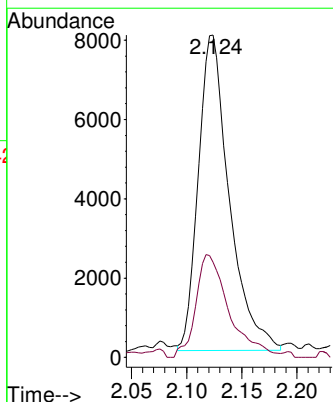
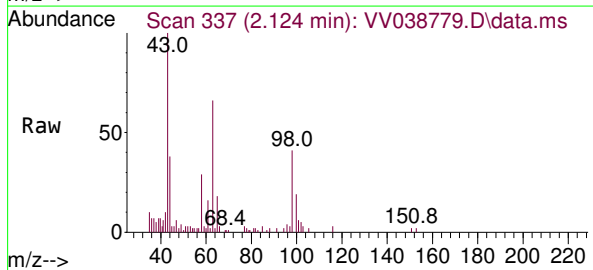
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Acetone
Concen: 6.892 ug/L
RT: 2.124 min Scan# 337
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 35.0 0.0 67.2

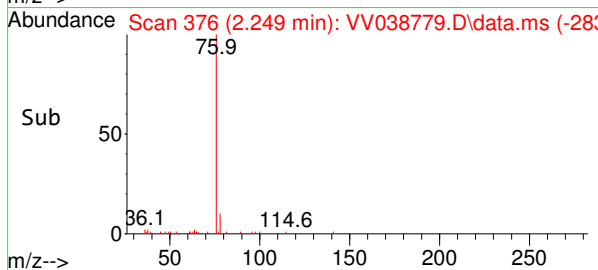
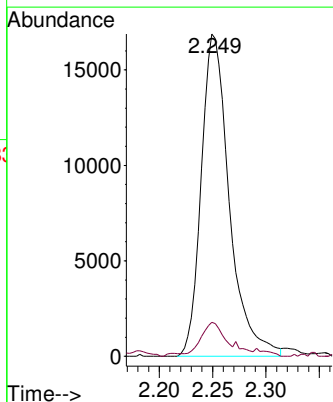
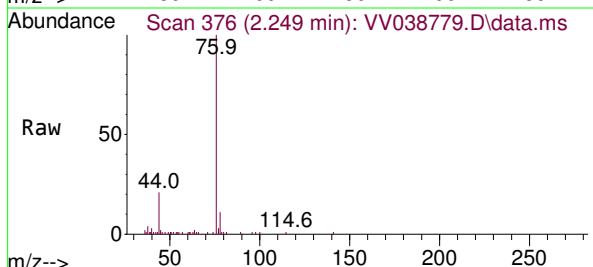
Manual Integrations
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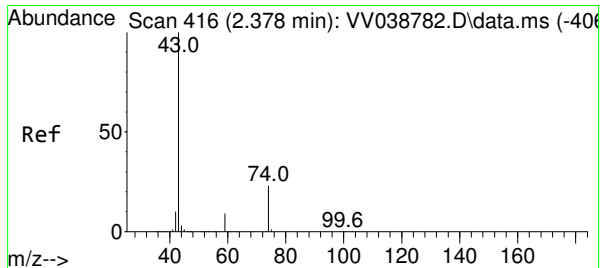
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#14
Carbon disulfide
Concen: 2.272 ug/L
RT: 2.249 min Scan# 376
Delta R.T. 0.000 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 76 Resp: 30949
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0





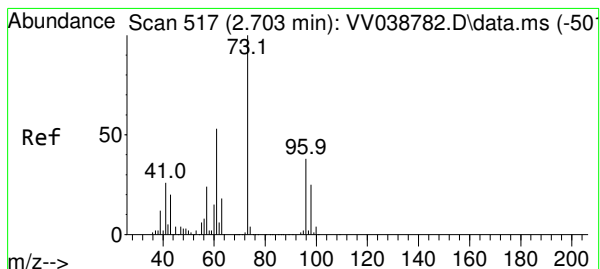
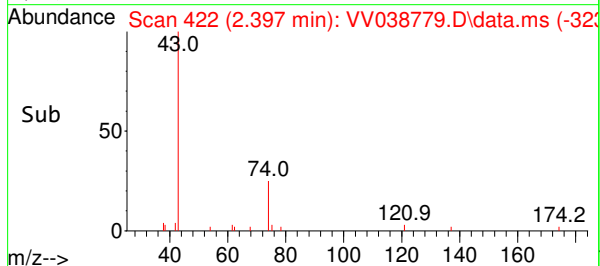
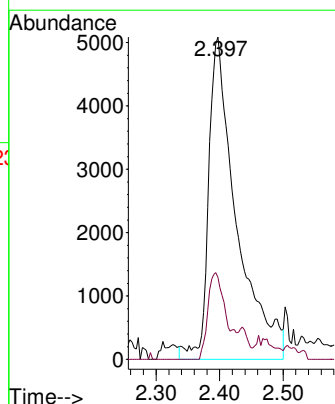
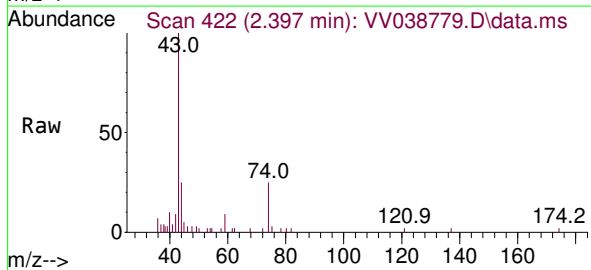
#15
Methyl Acetate
Concen: 2.593 ug/L m
RT: 2.397 min Scan# 416
Delta R.T. 0.019 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.6

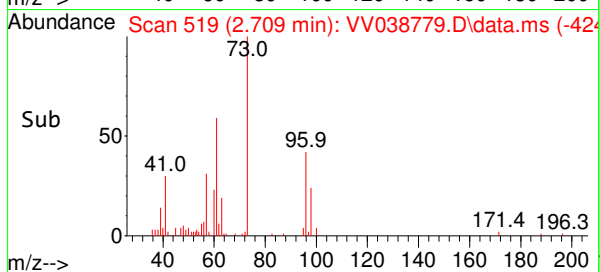
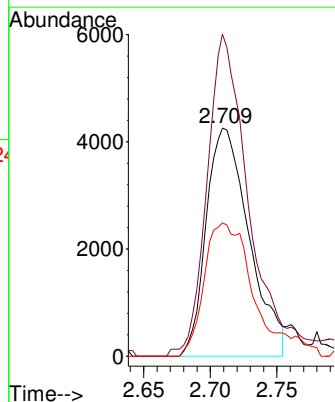
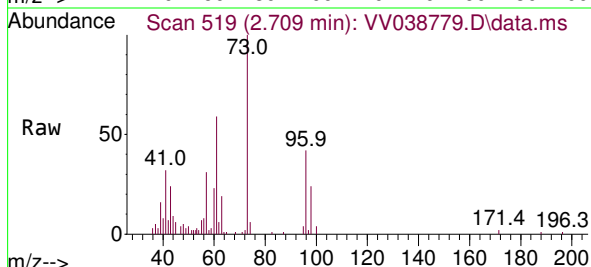
Manual Integrations
APPROVED

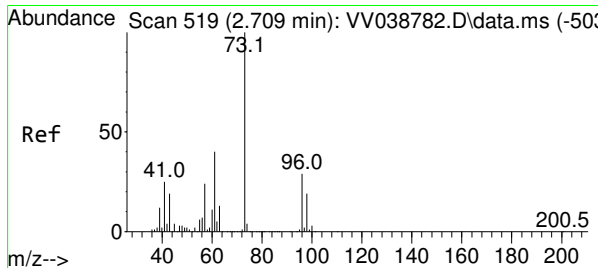
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#17
trans-1,2-Dichloroethene
Concen: 2.130 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 96 Resp: 9544
Ion Ratio Lower Upper
96 100
61 141.3 95.7 177.7
98 58.6 46.4 86.2





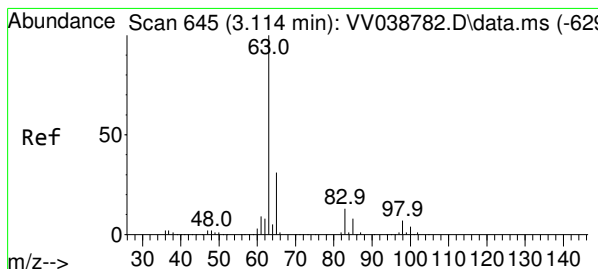
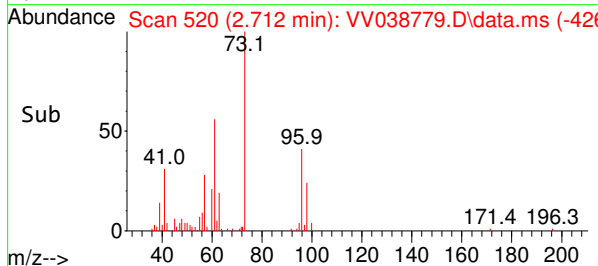
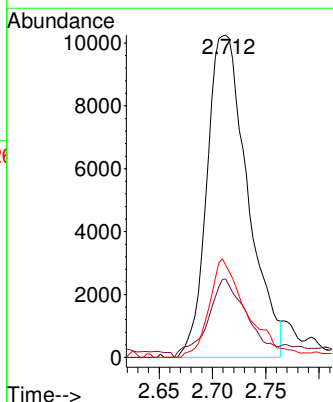
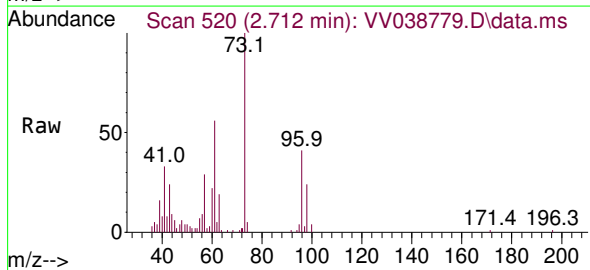
#18
Methyl tert-butyl Ether
Concen: 2.010 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion:	73	Resp:	2713
Ion	Ratio	Lower	Upper
73	100		
43	23.5	14.7	22.1
57	25.5	17.7	26.5

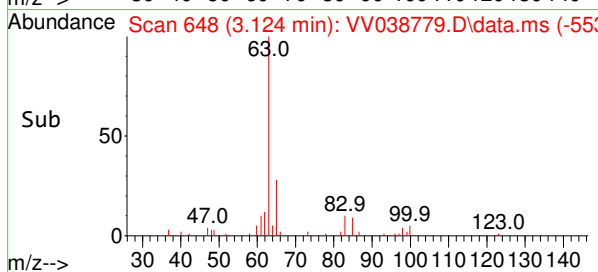
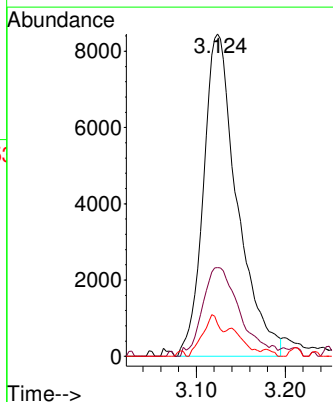
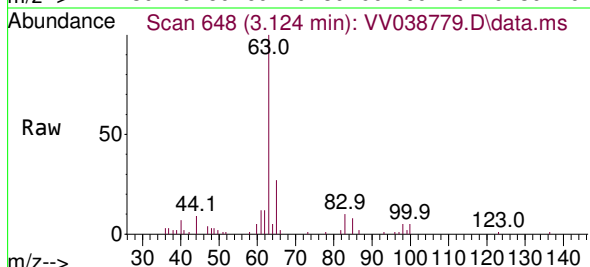
Manual Integrations
APPROVED

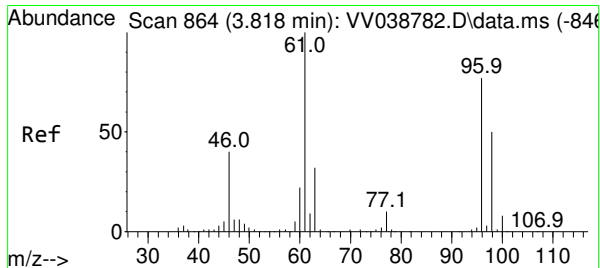
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#19
1,1-Dichloroethane
Concen: 2.399 ug/L
RT: 3.124 min Scan# 648
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:	63	Resp:	22337
Ion	Ratio	Lower	Upper
63	100		
65	27.5	22.6	42.0
83	10.0	9.8	18.2





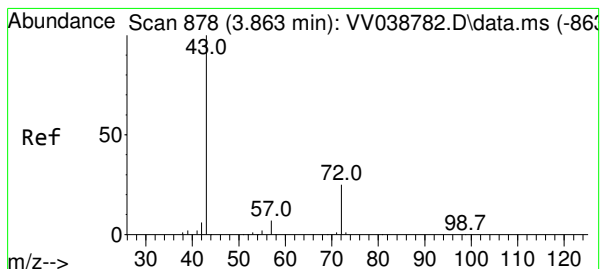
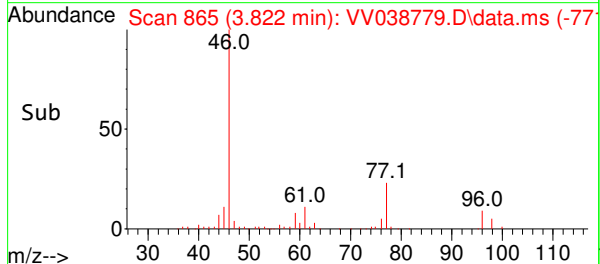
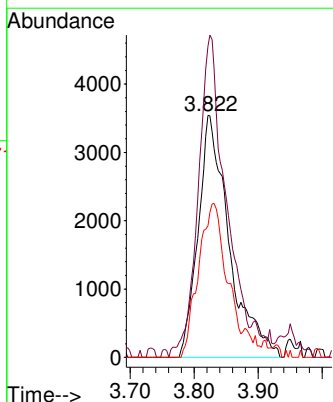
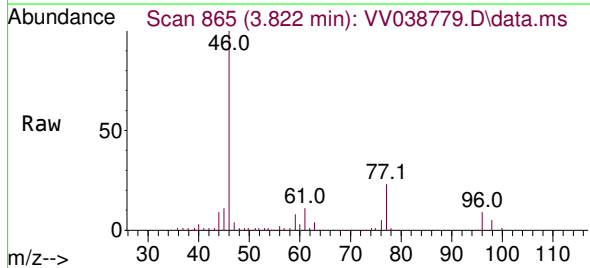
#20
cis-1,2-Dichloroethene
Concen: 2.485 ug/L m
RT: 3.822 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 96 Resp: 1195
Ion Ratio Lower Upper
96 100
61 128.5 83.5 155.1
98 54.3 44.6 82.8

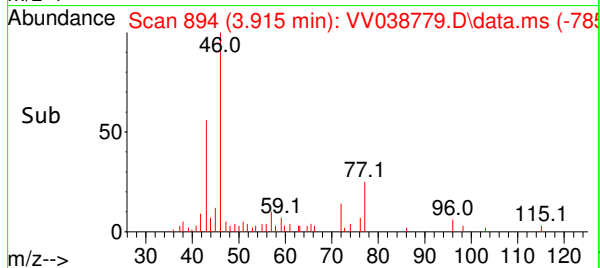
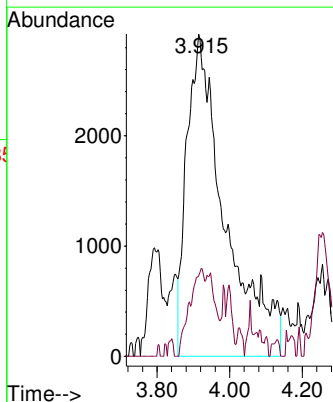
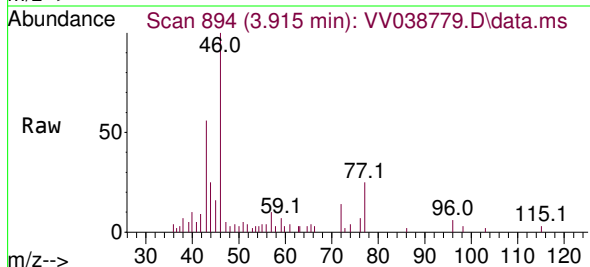
Manual Integrations
APPROVED

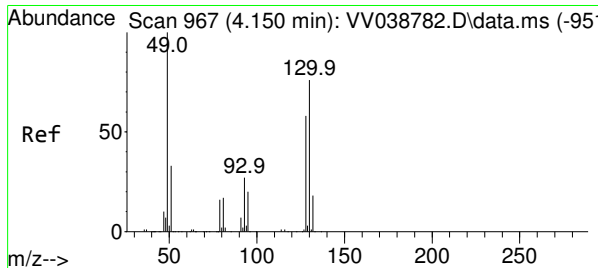
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#22
2-Butanone
Concen: 6.036 ug/L m
RT: 3.915 min Scan# 894
Delta R.T. 0.052 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

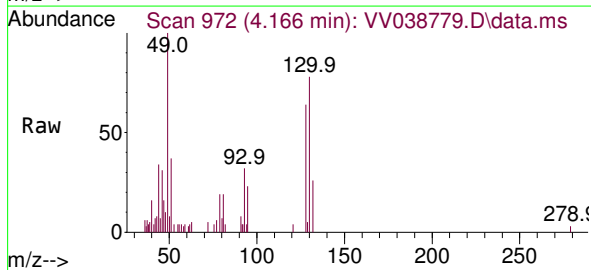
Tgt Ion: 43 Resp: 21369
Ion Ratio Lower Upper
43 100
72 0.6 12.5 37.5#





#23
Bromochloromethane
Concen: 2.422 ug/L
RT: 4.166 min Scan# 967
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

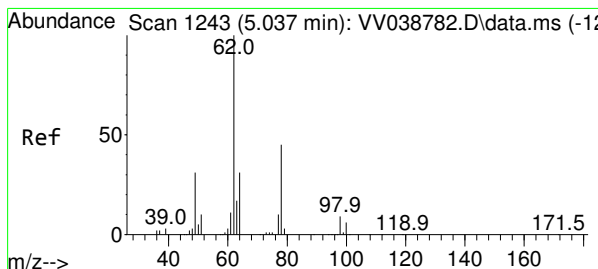
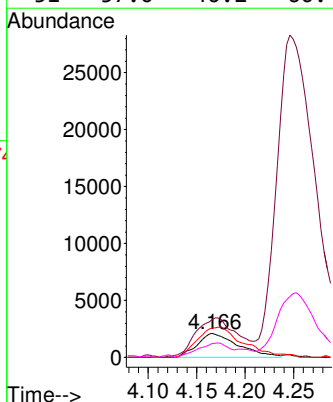
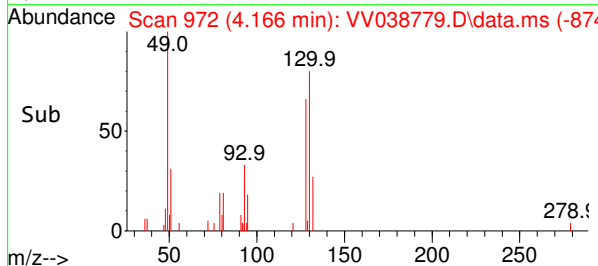
Instrument : MSVOA_V
ClientSampleId : VV038779.D
MDL-MED-SOIL-QT2-2025-03



Tgt Ion: 128 Resp: 622
Ion Ratio Lower Upper
128 100
49 155.8 106.7 198.3
130 121.5 93.2 173.2
51 57.0 40.2 60.4

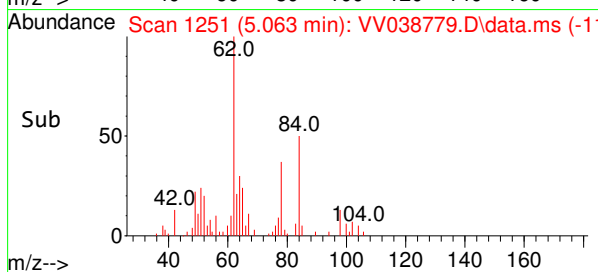
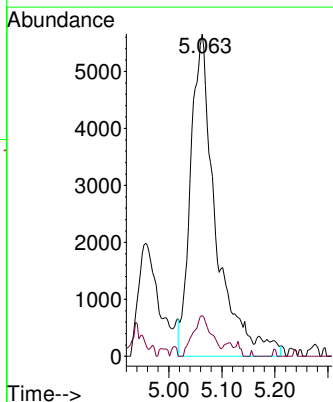
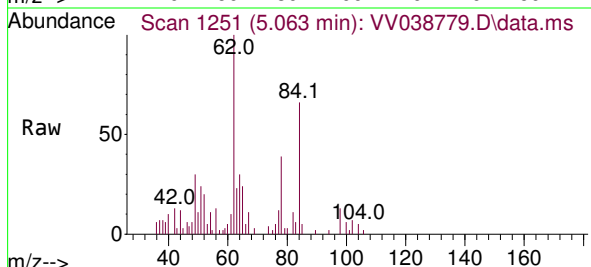
Manual Integrations
APPROVED

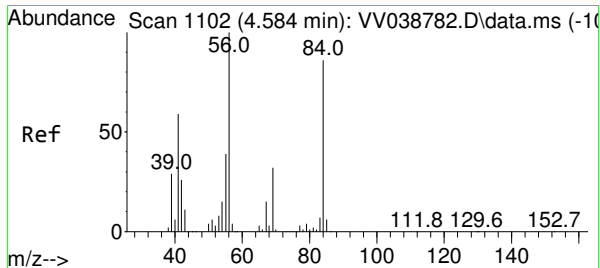
Reviewed By : John Carlone 06/16/2025
Supervised By : Mahesh Dadoda 06/16/2025



#27
1,2-Dichloroethane
Concen: 2.695 ug/L m
RT: 5.063 min Scan# 1251
Delta R.T. 0.026 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 62 Resp: 18666
Ion Ratio Lower Upper
62 100
98 12.6 7.5 11.3#





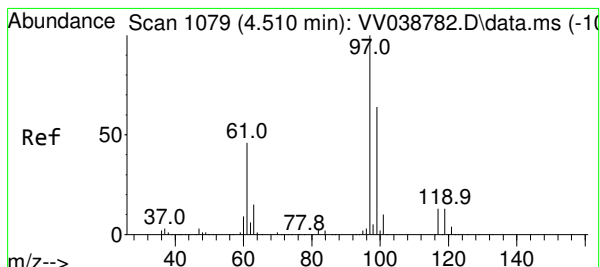
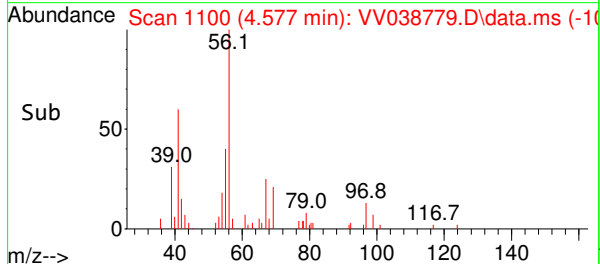
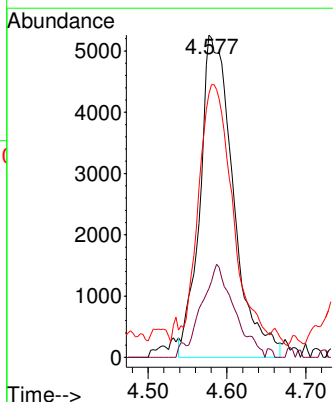
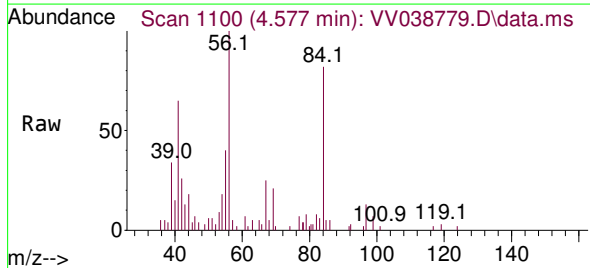
#29
Cyclohexane
Concen: 2.004 ug/L m
RT: 4.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 56 Resp: 1545
Ion Ratio Lower Upper
56 100
69 22.4 24.8 37.2
84 82.2 73.7 110.5

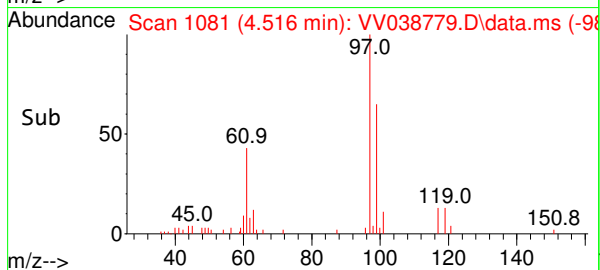
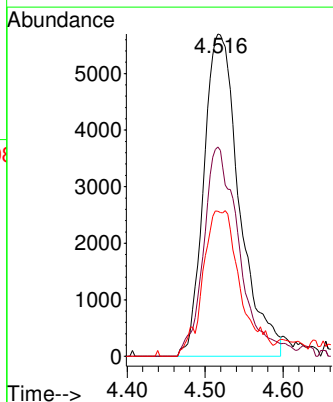
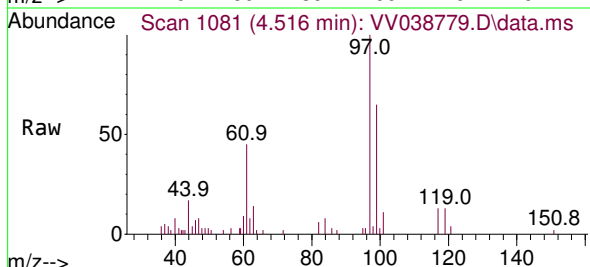
Manual Integrations
APPROVED

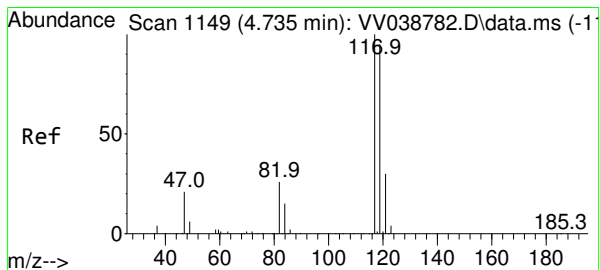
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#30
1,1,1-Trichloroethane
Concen: 2.277 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

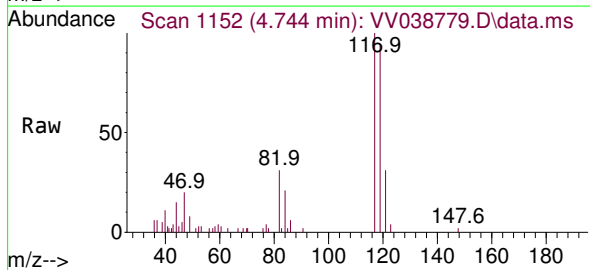
Tgt Ion: 97 Resp: 18076
Ion Ratio Lower Upper
97 100
99 64.0 52.3 78.5
61 18.6 33.6 50.4#





#31
Carbon tetrachloride
Concen: 2.172 ug/L
RT: 4.744 min Scan# 1149
Delta R.T. 0.010 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

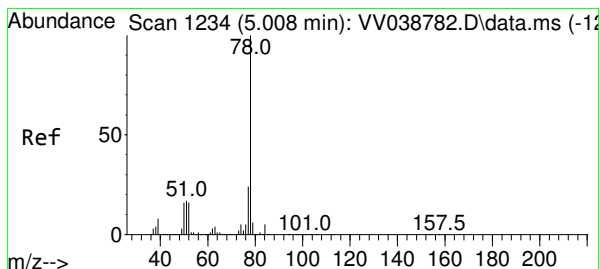
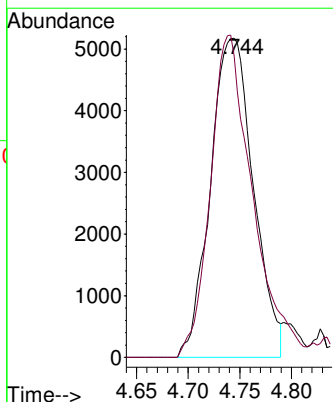
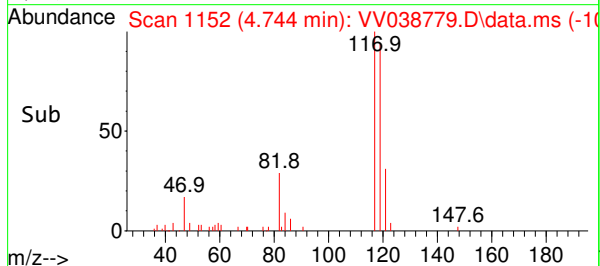
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03



Tgt Ion:117 Resp: 1496
Ion Ratio Lower Upper
117 100
119 99.2 77.7 116.5

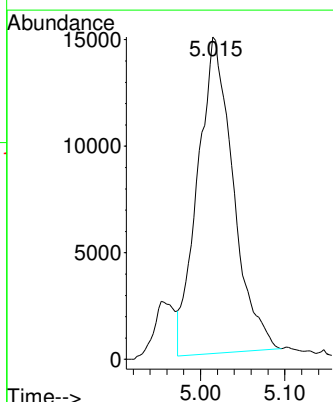
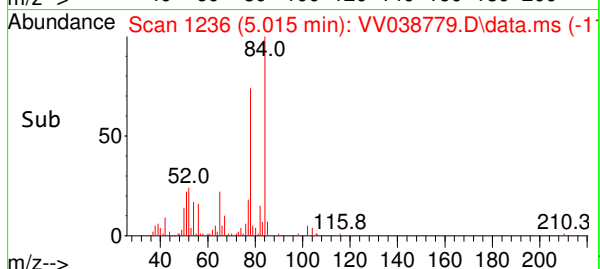
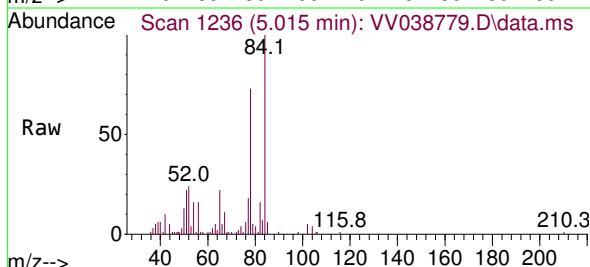
Manual Integrations
APPROVED

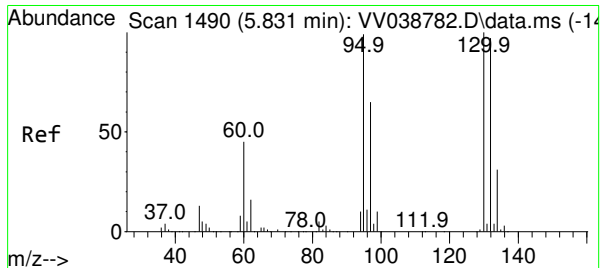
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#33
Benzene
Concen: 2.289 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 78 Resp: 43441





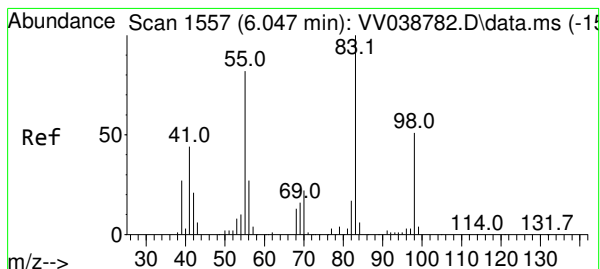
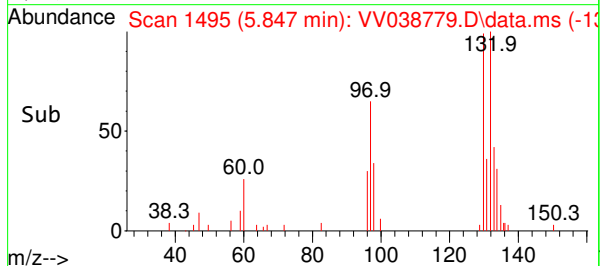
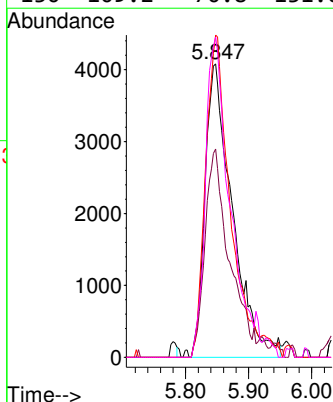
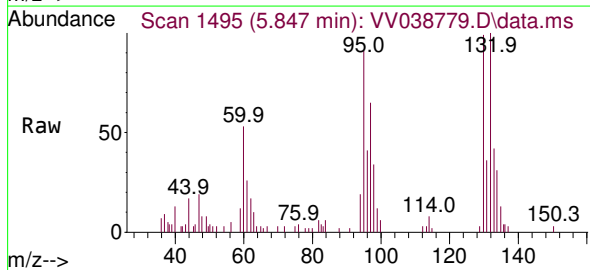
#34
Trichloroethene
Concen: 2.445 ug/L m
RT: 5.847 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
95	100		
97	71.0	45.6	84.8
132	109.9	67.6	125.6
130	109.2	70.8	131.6

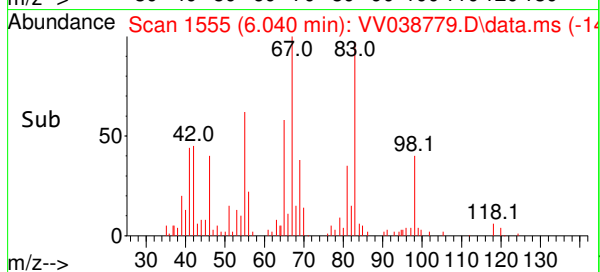
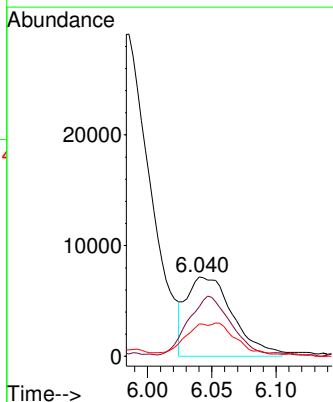
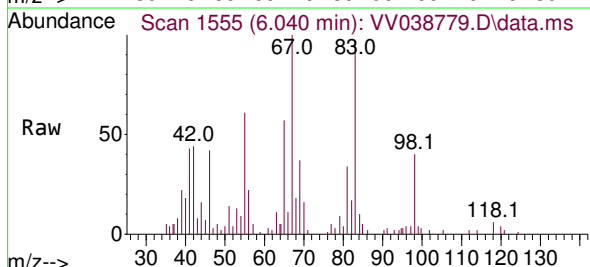
Manual Integrations
APPROVED

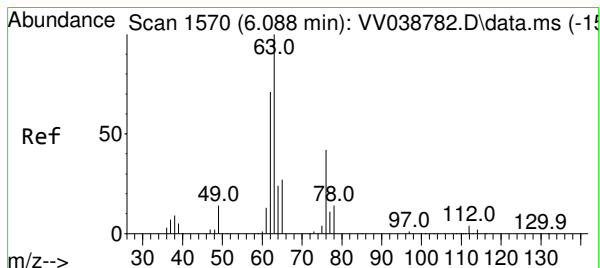
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#35
Methylcyclohexane
Concen: 2.288 ug/L m
RT: 6.040 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	66.9	59.0	88.6
98	17.1	39.5	59.3#





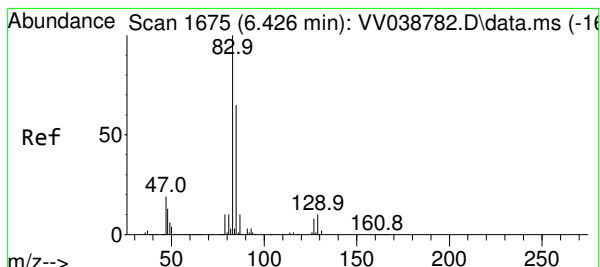
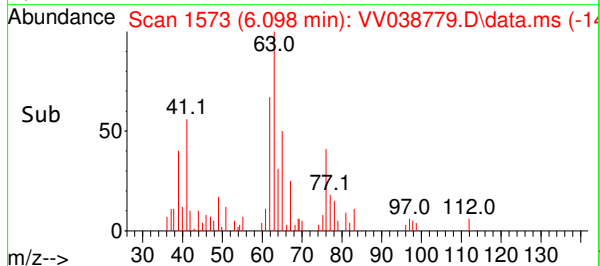
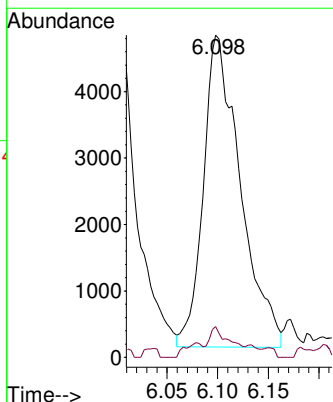
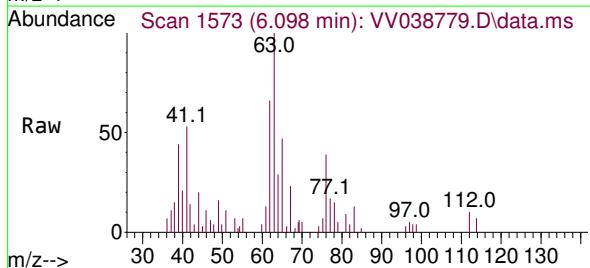
#37
1,2-Dichloropropane
Concen: 2.177 ug/L m
RT: 6.098 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 63 Resp: 1196
Ion Ratio Lower Upper
63 100
112 1.6 3.8 5.6

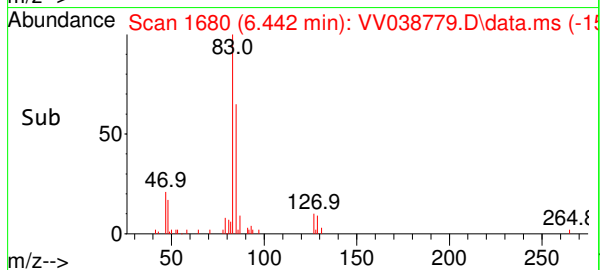
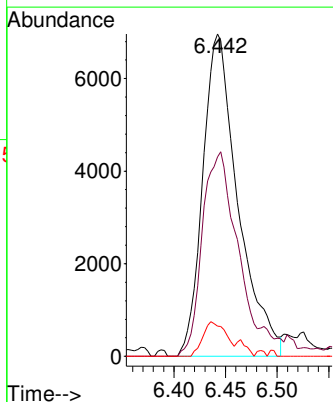
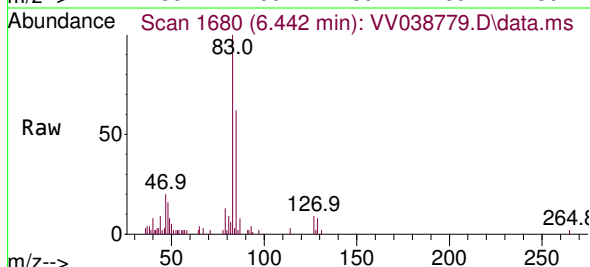
Manual Integrations
APPROVED

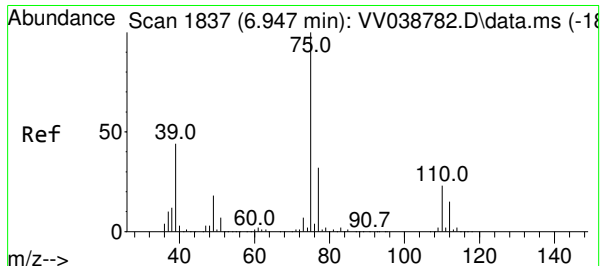
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#38
Bromodichloromethane
Concen: 2.327 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 83 Resp: 16511
Ion Ratio Lower Upper
83 100
85 61.8 44.9 83.5
127 9.4 6.8 10.2





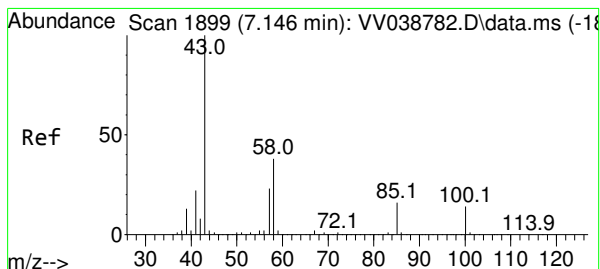
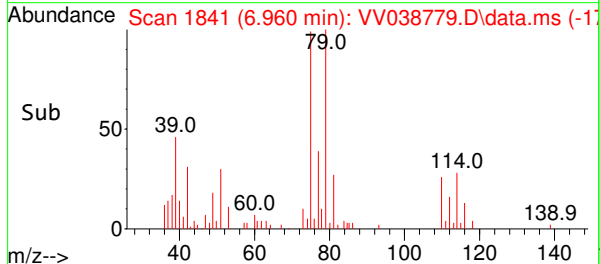
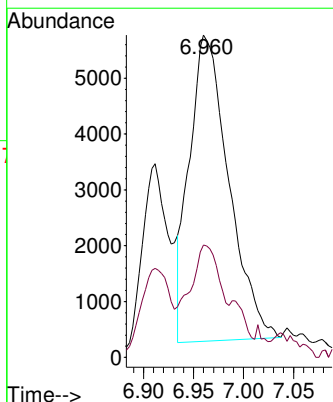
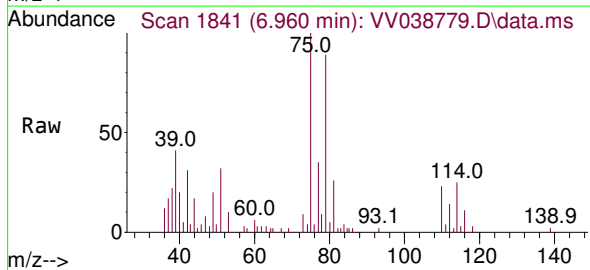
#39
 cis-1,3-Dichloropropene
 Concen: 1.906 ug/L
 RT: 6.960 min Scan# 1
 Delta R.T. 0.013 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 75 Resp: 1497
 Ion Ratio Lower Upper
 75 100
 77 34.8 21.9 40.7

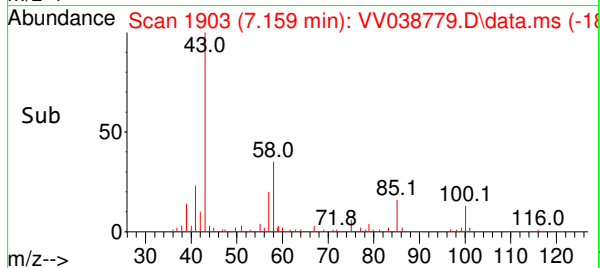
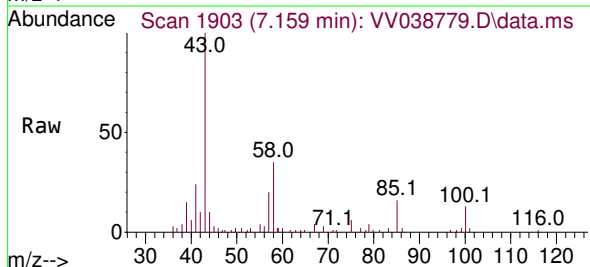
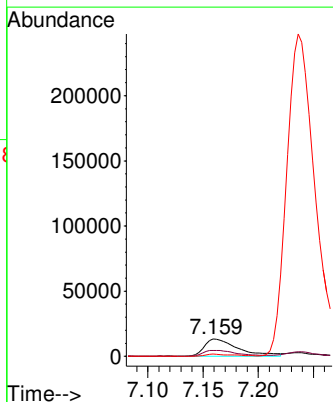
Manual Integrations
 APPROVED

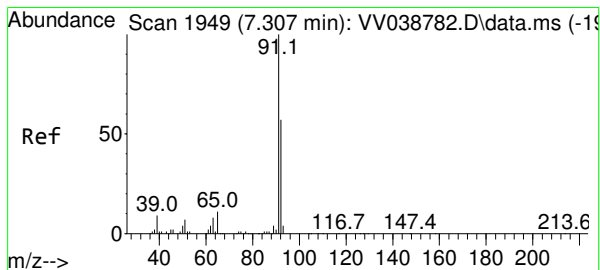
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#40
 4-Methyl-2-pentanone
 Concen: 3.753 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.013 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Tgt Ion: 43 Resp: 28060
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.7 49.1
 100 7.9 13.7 20.5#





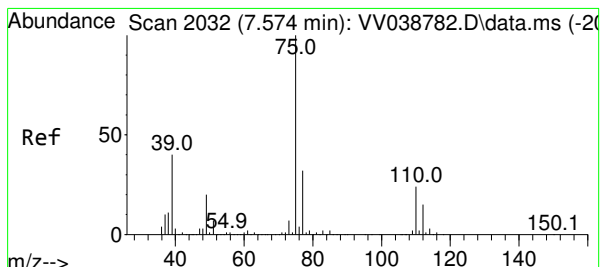
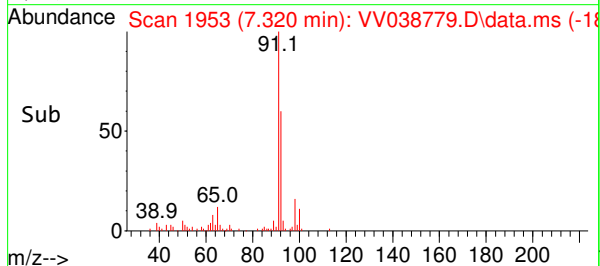
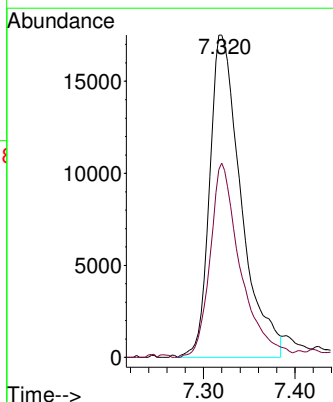
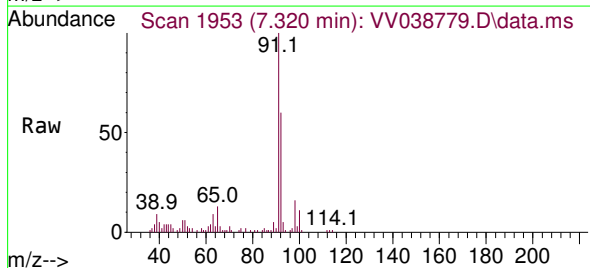
#42
Toluene
Concen: 2.134 ug/L
RT: 7.320 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 91 Resp: 4181
Ion Ratio Lower Upper
91 100
92 60.3 41.2 76.4

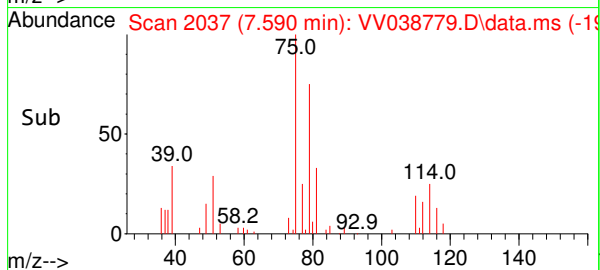
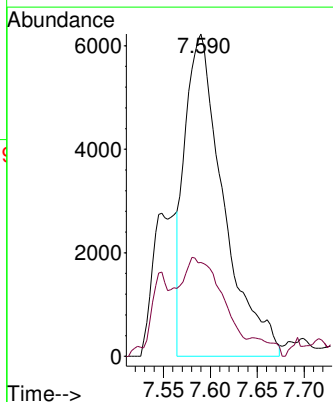
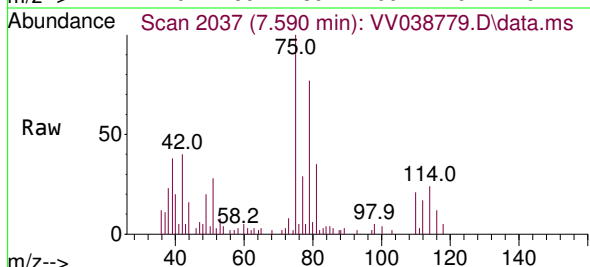
Manual Integrations
APPROVED

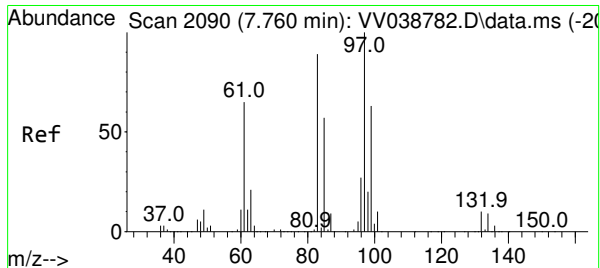
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#44
trans-1,3-Dichloropropene
Concen: 2.347 ug/L m
RT: 7.590 min Scan# 2037
Delta R.T. 0.019 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion: 75 Resp: 17801
Ion Ratio Lower Upper
75 100
77 29.1 22.7 42.1





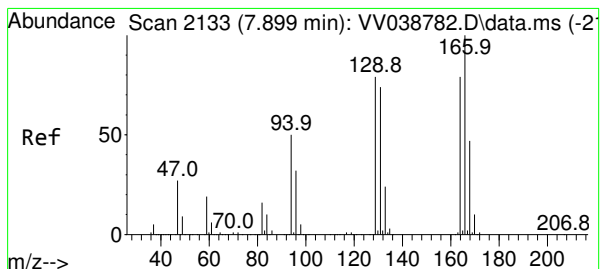
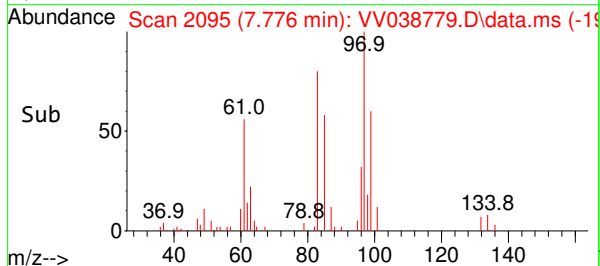
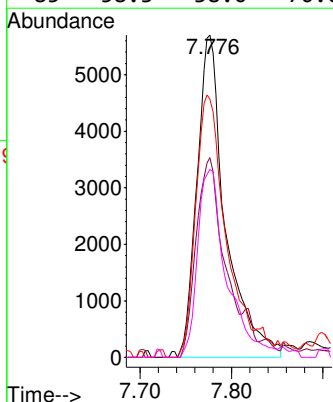
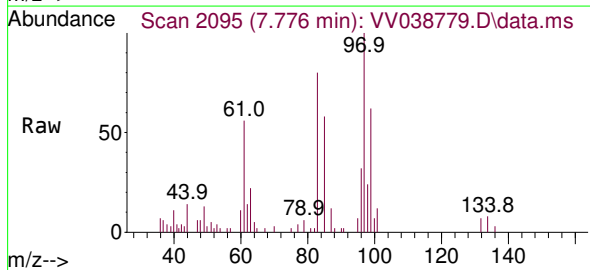
#45
1,1,2-Trichloroethane
Concen: 2.311 ug/L
RT: 7.776 min Scan# 2135
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion:	97	Resp:	1238
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.6	81.0
83	80.1	60.5	112.5
85	58.3	38.0	70.6

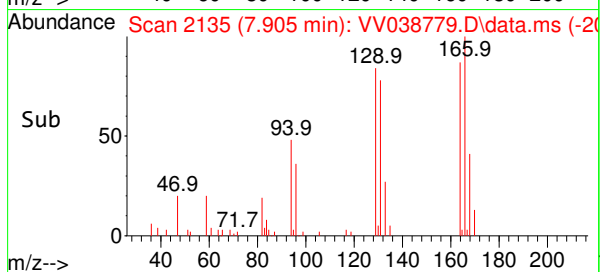
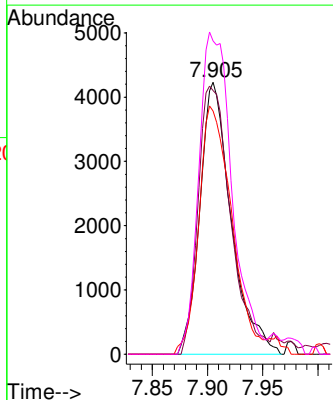
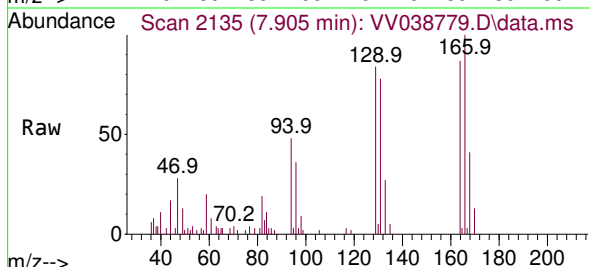
Manual Integrations
APPROVED

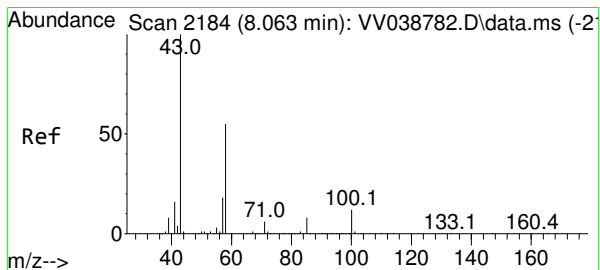
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#46
Tetrachloroethene
Concen: 2.260 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

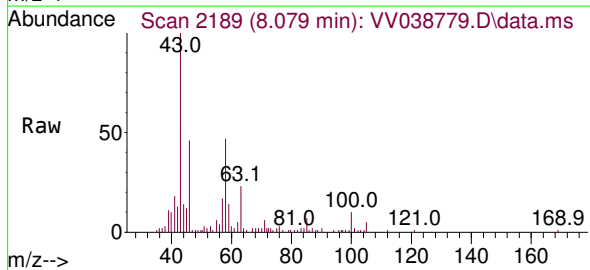
Tgt Ion:	164	Resp:	8361
Ion	Ratio	Lower	Upper
164	100		
129	93.6	69.2	128.4
131	86.3	63.1	117.3
166	111.1	89.7	166.5





#48
2-Hexanone
Concen: 5.216 ug/L
RT: 8.079 min Scan# 2184
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

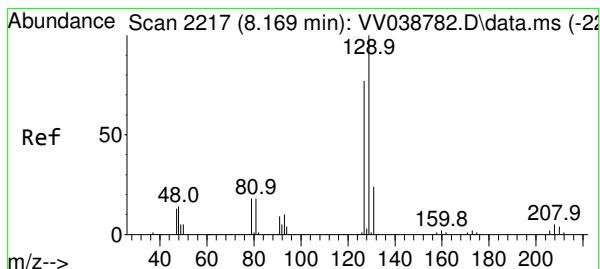
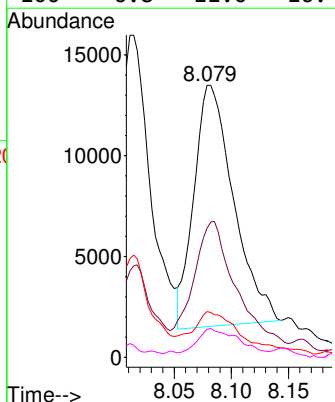
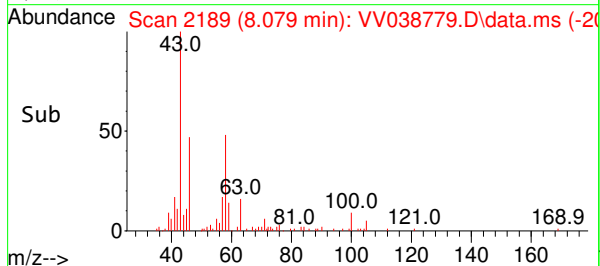
Instrument : MSVOA_V
ClientSampleId : VV038779.D
MDL-MED-SOIL-QT2-2025-03



Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
58 62.3 48.0 72.0
57 16.8 15.5 23.3
100 6.8 11.0 16.4#

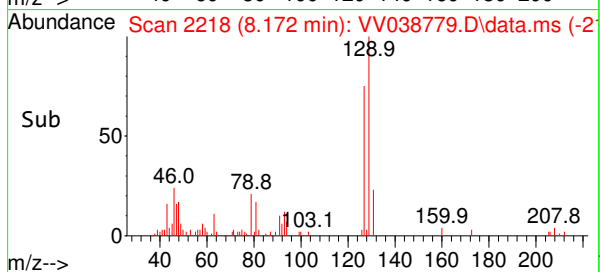
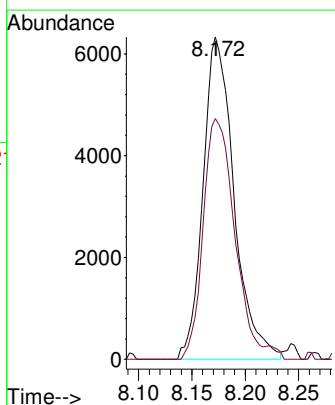
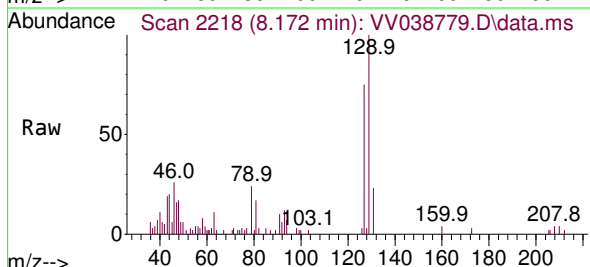
Manual Integrations
APPROVED

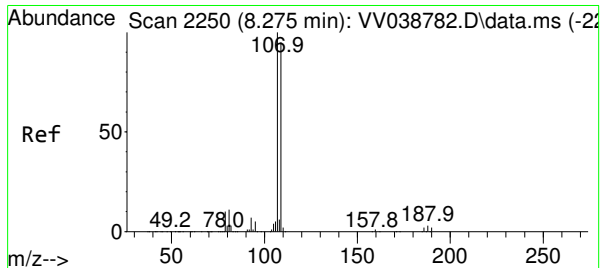
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#49
Dibromochloromethane
Concen: 2.345 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:129 Resp: 12766
Ion Ratio Lower Upper
129 100
127 74.6 53.8 100.0





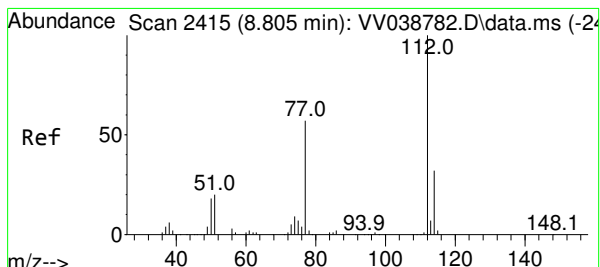
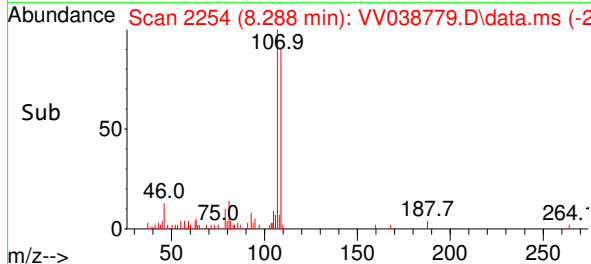
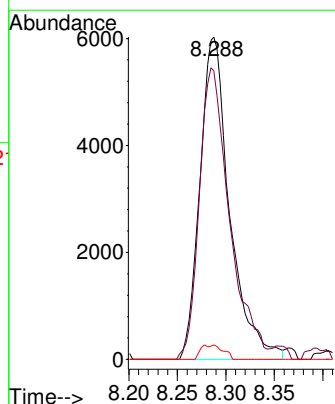
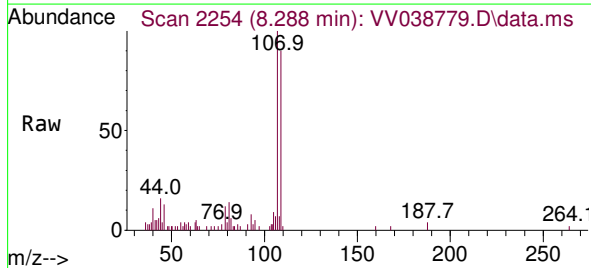
#50
1,2-Dibromoethane
Concen: 2.337 ug/L
RT: 8.288 min Scan# 2187
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
107	100		
109	89.6	66.1	122.7
188	4.5	2.6	3.8

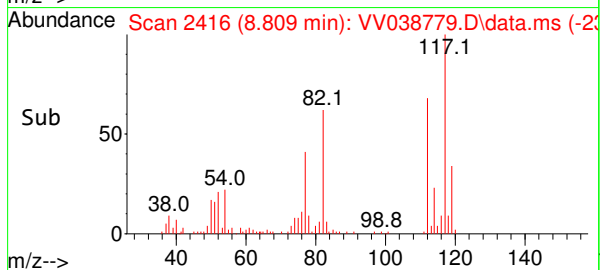
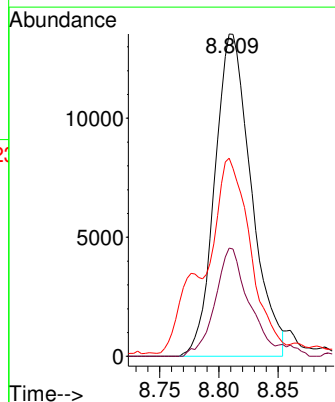
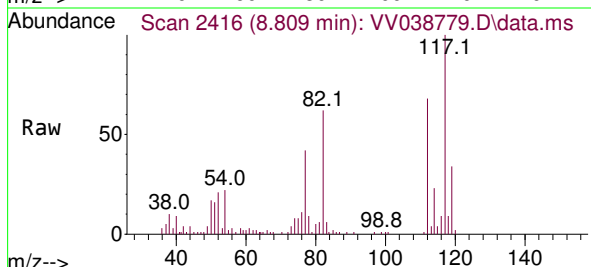
Manual Integrations
APPROVED

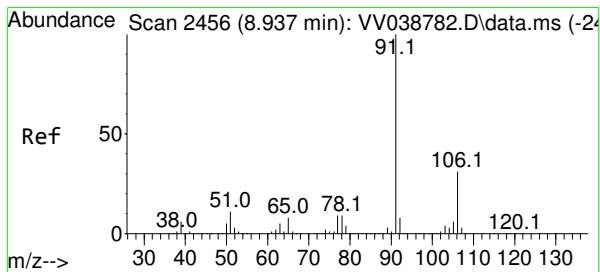
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#51
Chlorobenzene
Concen: 2.186 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	21.9	40.7
77	61.4	45.4	68.0





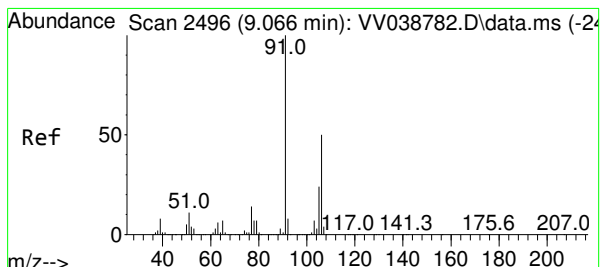
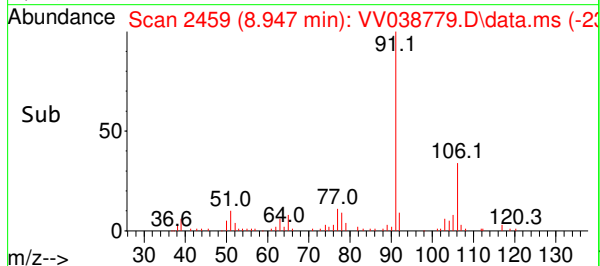
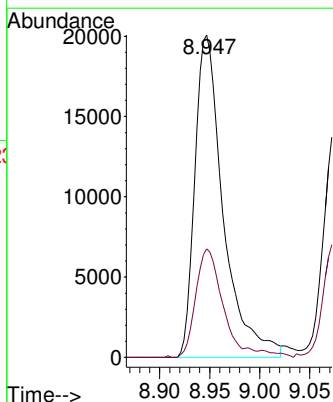
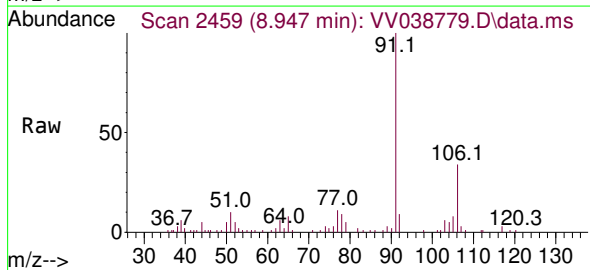
#52
Ethylbenzene
Concen: 1.879 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.010 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 91 Resp: 3966
Ion Ratio Lower Upper
91 100
106 33.7 21.6 40.6

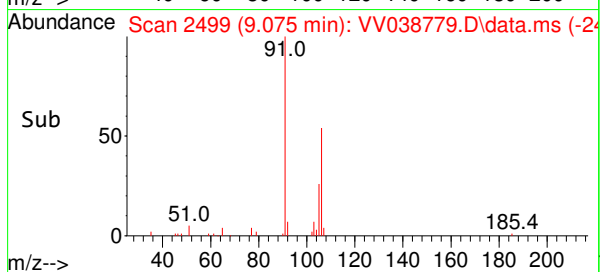
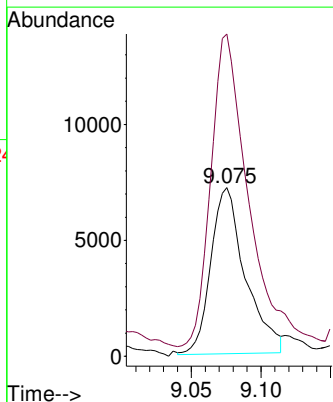
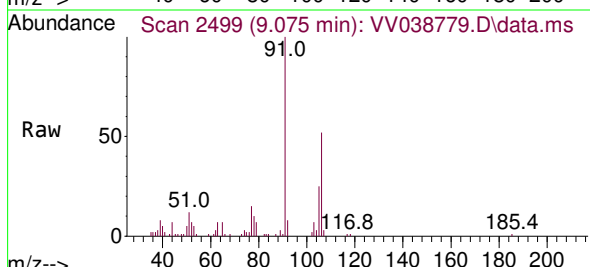
Manual Integrations
APPROVED

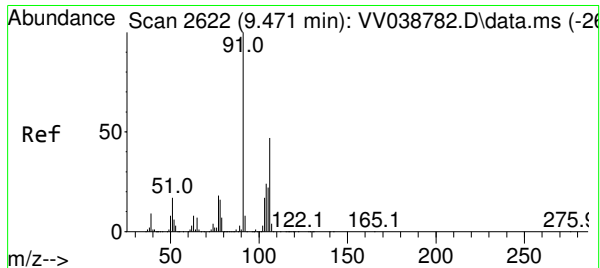
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#53
m,p-Xylene
Concen: 1.598 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:106 Resp: 12383
Ion Ratio Lower Upper
106 100
91 191.3 142.6 264.8





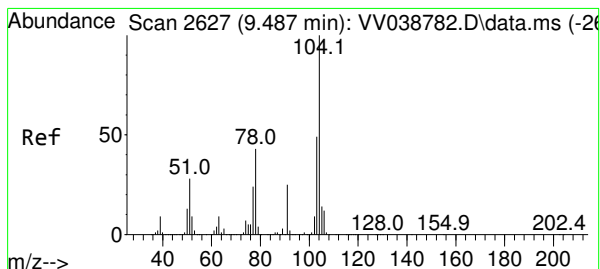
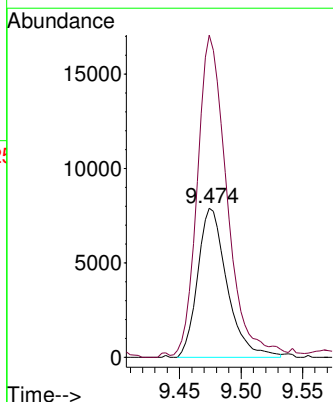
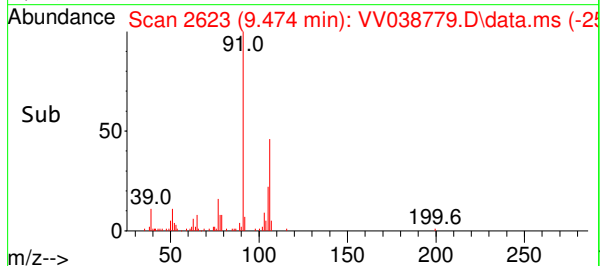
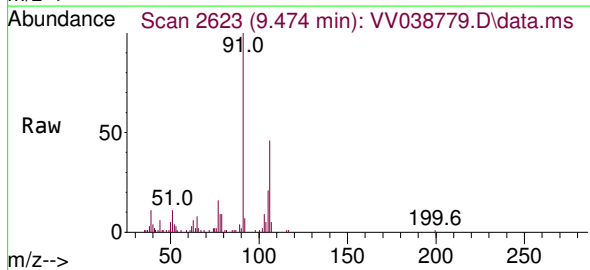
#54
o-Xylene
Concen: 1.748 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion:106 Resp: 1316
Ion Ratio Lower Upper
106 100
91 216.0 151.1 280.7

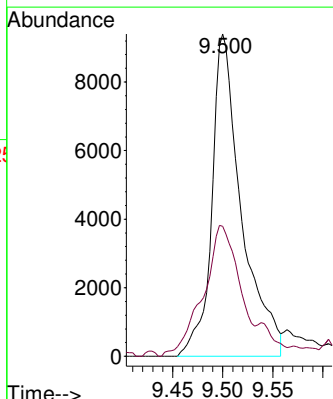
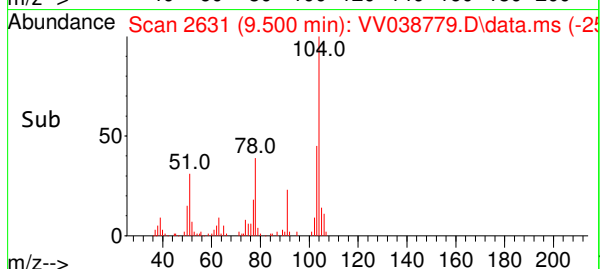
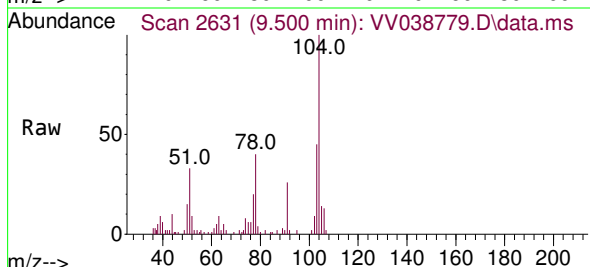
Manual Integrations
APPROVED

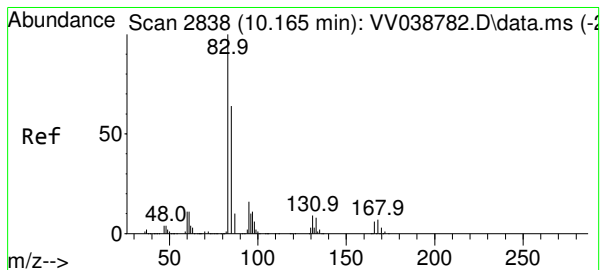
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#55
Styrene
Concen: 1.487 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.016 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:104 Resp: 19412
Ion Ratio Lower Upper
104 100
78 40.4 29.7 55.1





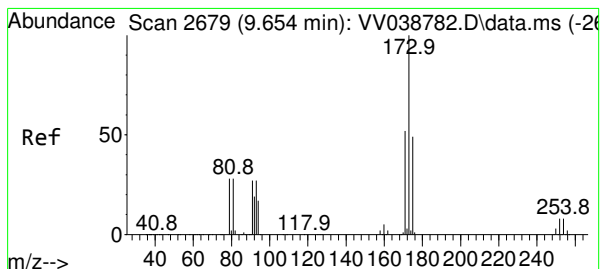
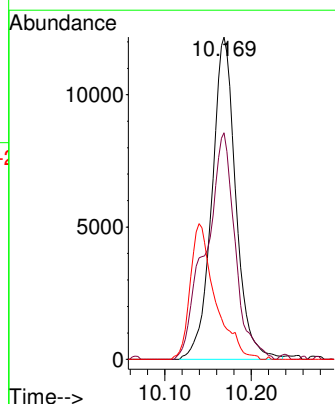
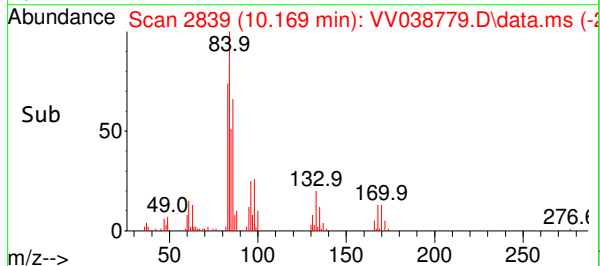
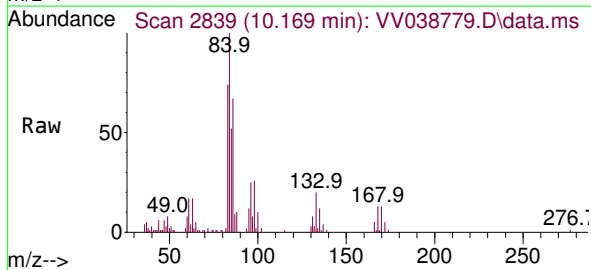
#57
1,1,2,2-Tetrachloroethane
Concen: 2.648 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion: 83 Resp: 2342
Ion Ratio Lower Upper
83 100
85 70.3 44.7 82.9
131 10.6 8.0 12.6

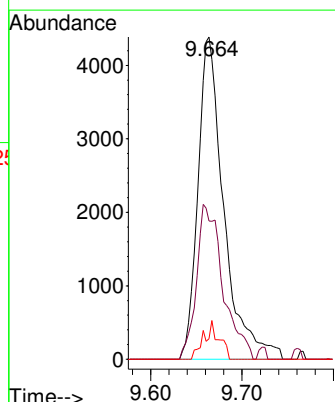
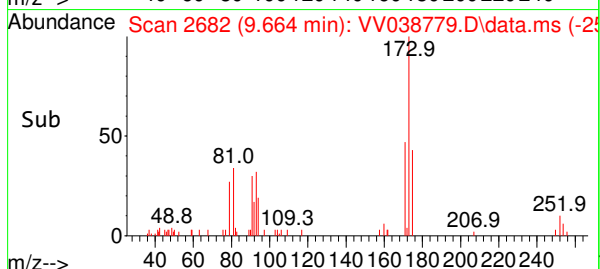
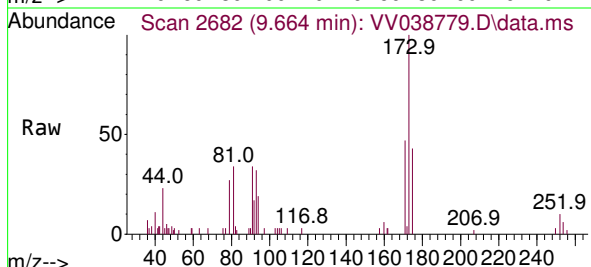
Manual Integrations
APPROVED

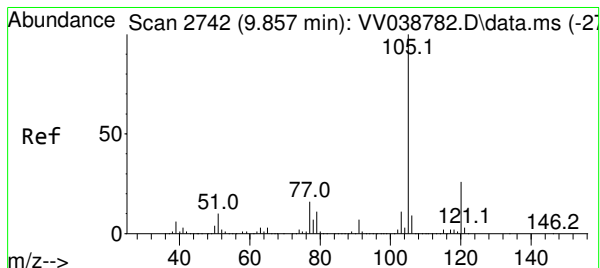
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#59
Bromoform
Concen: 2.525 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.010 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:173 Resp: 8637
Ion Ratio Lower Upper
173 100
175 1.0 38.8 58.2#
254 1.0 6.9 10.3#





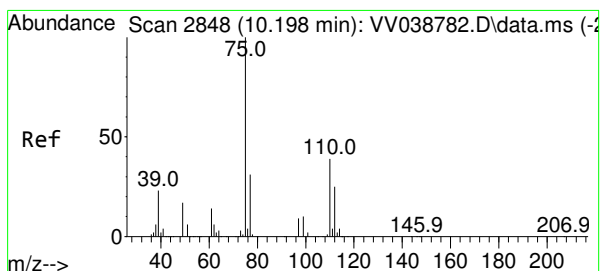
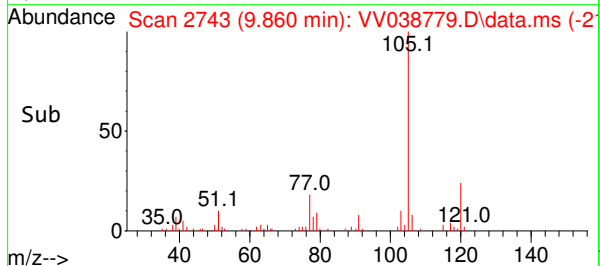
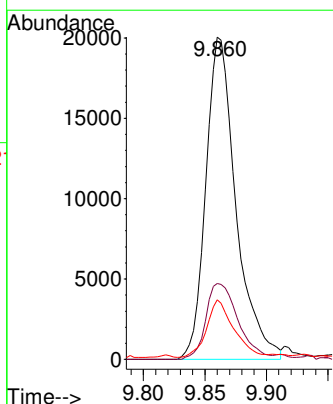
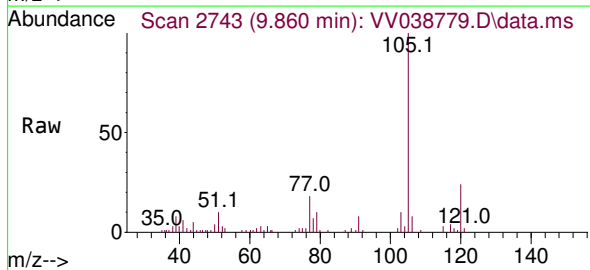
#60
Isopropylbenzene
Concen: 1.956 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion:	105	Resp:	3416
Ion Ratio	Lower	Upper	
105	100		
120	25.2	21.0	31.4
77	16.2	12.2	18.4

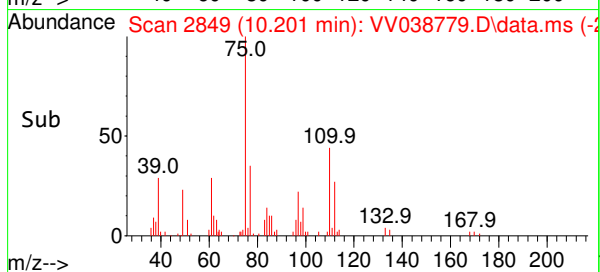
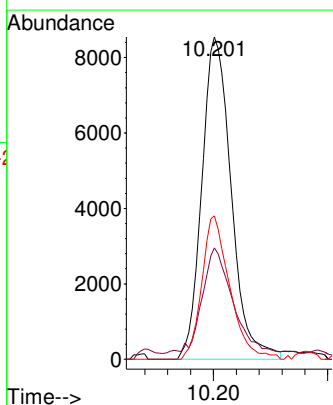
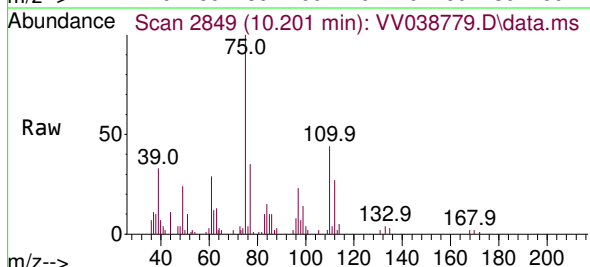
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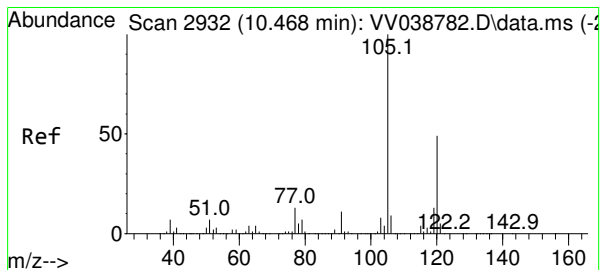
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#61
1,2,3-Trichloropropane
Concen: 2.550 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:	75	Resp:	15276
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.8	38.6
110	41.6	32.2	48.4





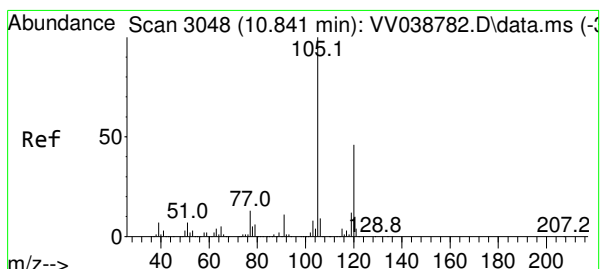
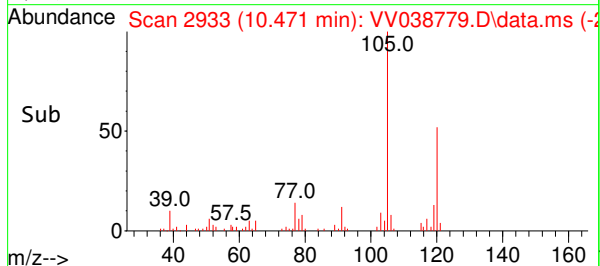
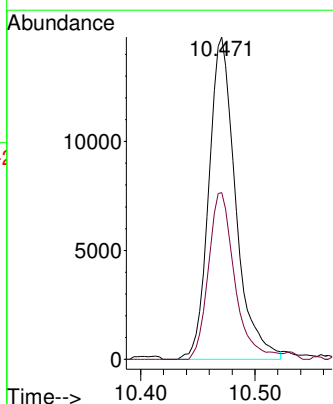
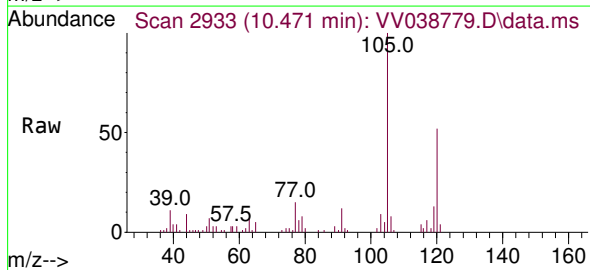
#62
1,3,5-Trimethylbenzene
Concen: 1.776 ug/L
RT: 10.471 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion:105 Resp: 2413
Ion Ratio Lower Upper
105 100
120 49.9 39.1 58.7

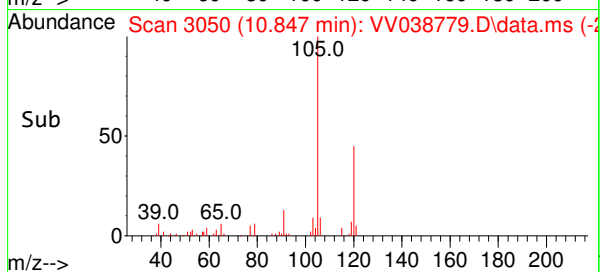
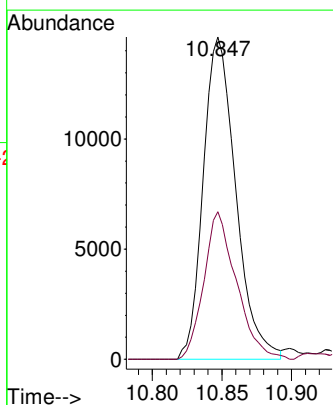
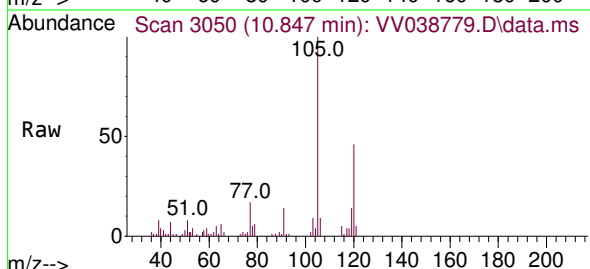
Manual Integrations
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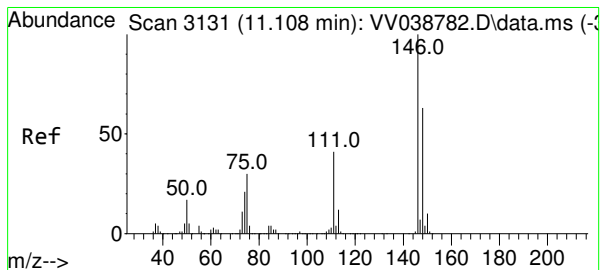
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#63
1,2,4-Trimethylbenzene
Concen: 1.771 ug/L
RT: 10.847 min Scan# 3050
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:105 Resp: 23771
Ion Ratio Lower Upper
105 100
120 45.8 36.6 55.0





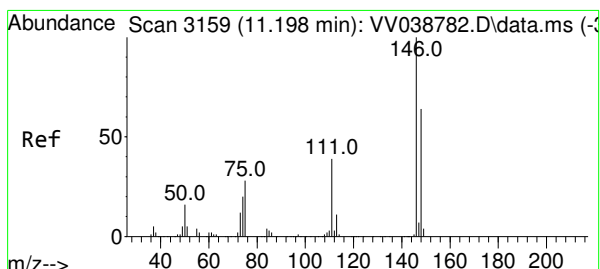
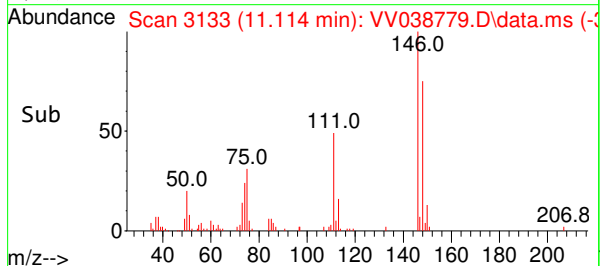
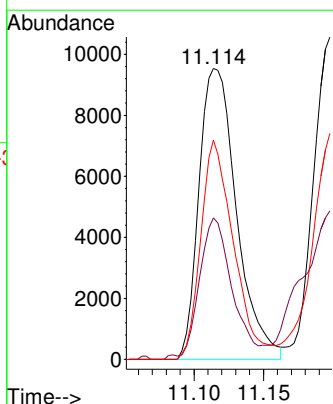
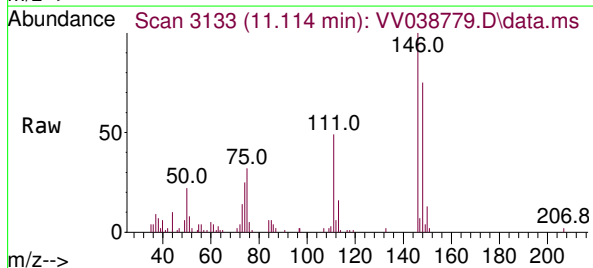
#64
 1,3-Dichlorobenzene
 Concen: 2.142 ug/L
 RT: 11.114 min Scan# 3133
 Delta R.T. 0.010 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	27.8	51.6
148	75.5	45.1	83.7

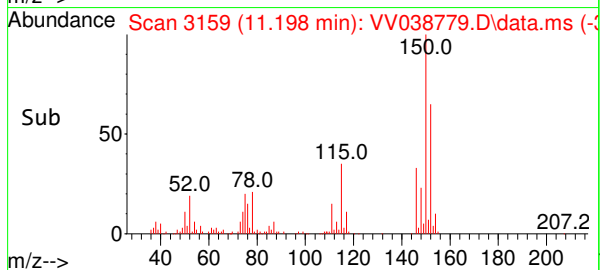
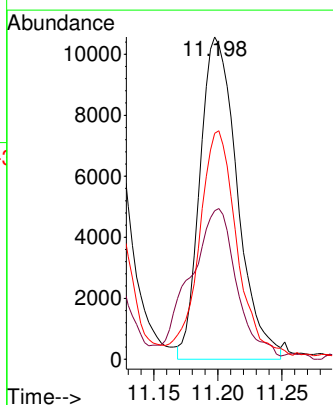
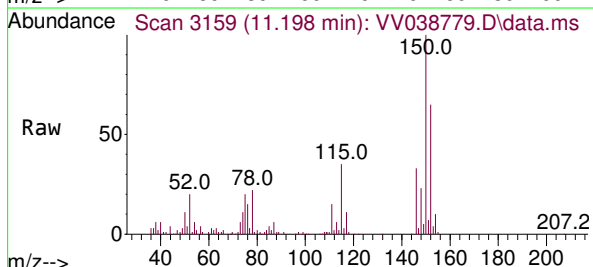
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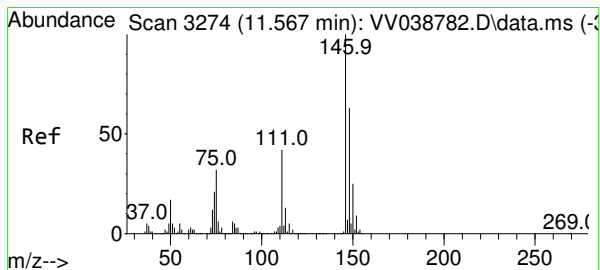
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#65
 1,4-Dichlorobenzene
 Concen: 2.386 ug/L
 RT: 11.198 min Scan# 3159
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	27.6	51.4
148	70.1	44.9	83.3





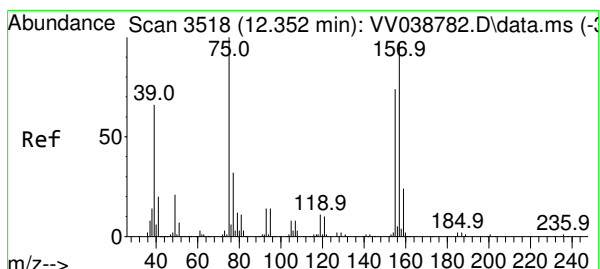
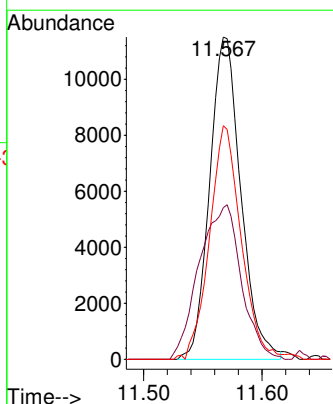
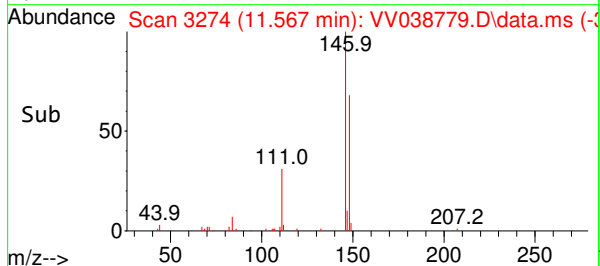
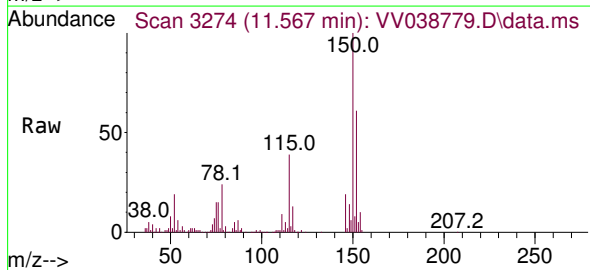
#67
 1,2-Dichlorobenzene
 Concen: 2.495 ug/L
 RT: 11.567 min Scan# 3274
 Delta R.T. 0.000 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	34.2	51.2
148	72.5	50.5	75.7

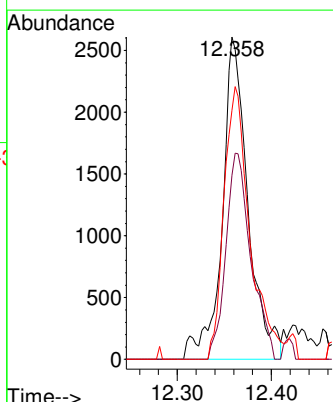
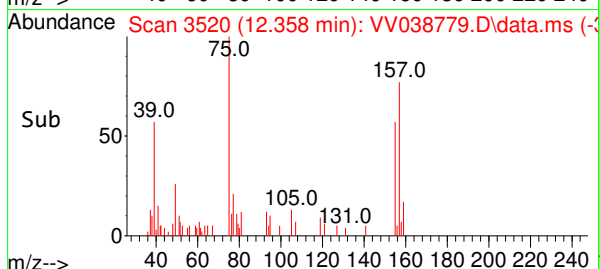
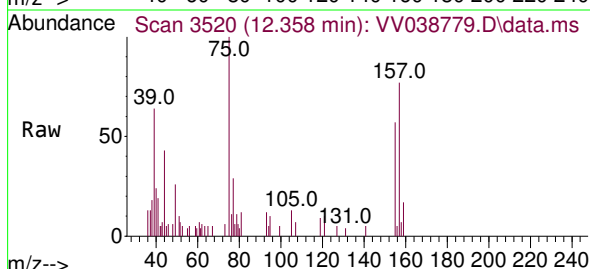
Manual Integrations
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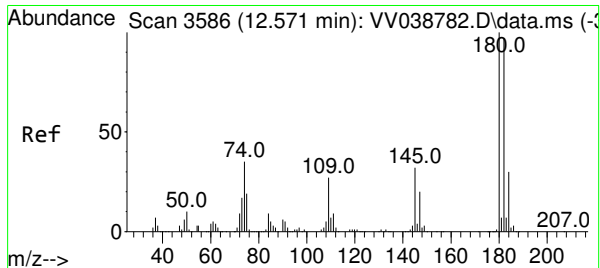
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.900 ug/L
 RT: 12.358 min Scan# 3520
 Delta R.T. 0.007 min
 Lab File: VV038779.D
 Acq: 10 Jun 2025 13:50

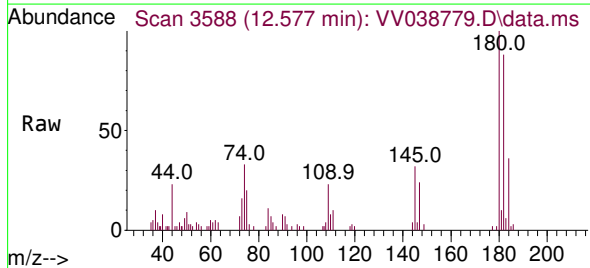
Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.1	66.8	100.2#
157	77.2	83.4	125.2#





#69
1,3,5-Trichlorobenzene
Concen: 2.316 ug/L
RT: 12.577 min Scan# 3586
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

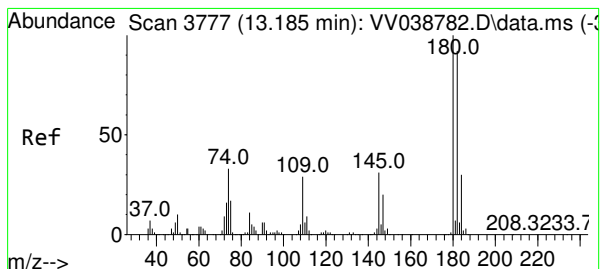
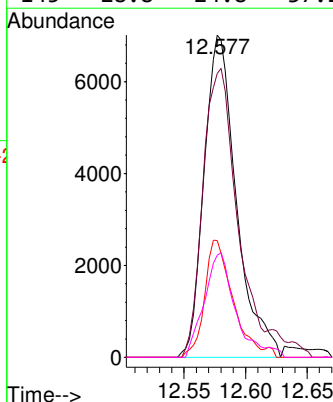
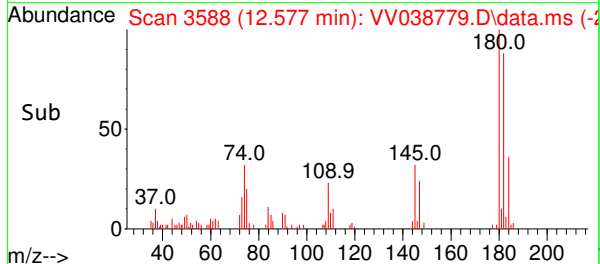
Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03



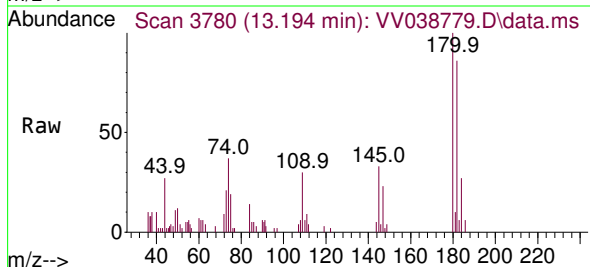
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
184	31.5	23.8	35.6
145	28.8	24.8	37.2

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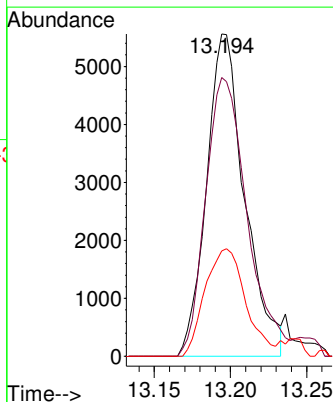
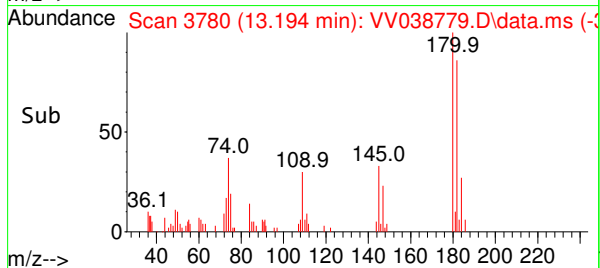
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

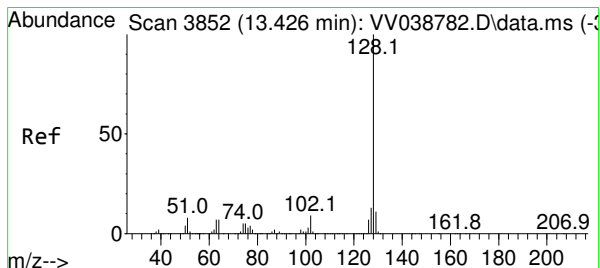


#70
1,2,4-trichlorobenzene
Concen: 2.050 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.2
145	35.6	24.7	37.1





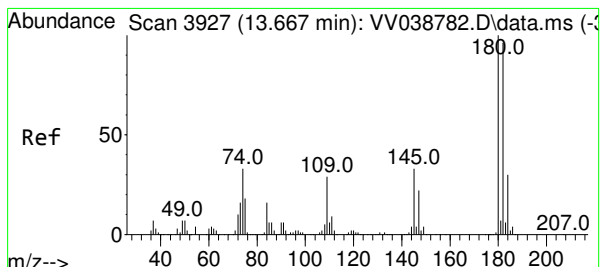
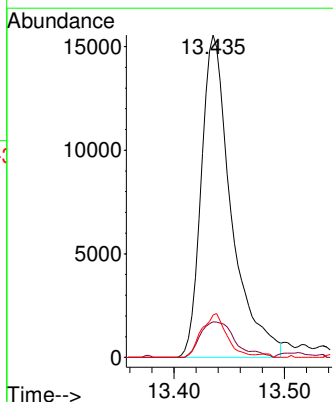
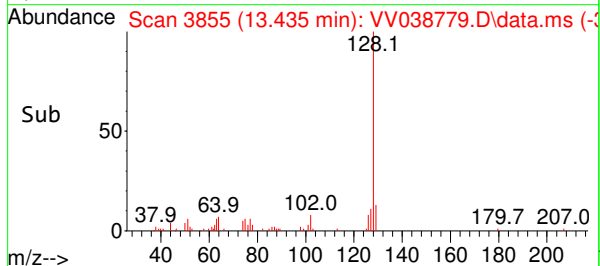
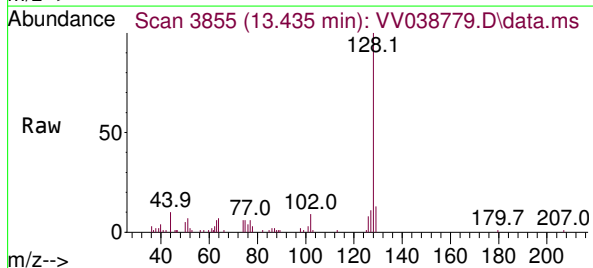
#71
Naphthalene
Concen: 1.759 ug/L
RT: 13.435 min Scan# 3852
Delta R.T. 0.010 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Instrument : MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2025-03

Tgt Ion:128 Resp: 2947
Ion Ratio Lower Upper
128 100
127 12.0 10.1 15.1
129 11.5 8.6 12.8

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



#72
1,2,3-Trichlorobenzene
Concen: 2.004 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.007 min
Lab File: VV038779.D
Acq: 10 Jun 2025 13:50

Tgt Ion:180 Resp: 9860
Ion Ratio Lower Upper
180 100
182 93.4 75.8 113.6
145 35.5 27.1 40.7

