

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032113.D
 Acq On : 22 Aug 2025 16:07
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 25 03:57:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	208799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	374134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	342142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	179477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143896	47.650	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.300%		
35) Dibromofluoromethane	7.904	113	119897	49.605	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.200%		
50) Toluene-d8	10.330	98	432402	48.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.617	95	155951	47.337	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	94.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	7392	4.950	ug/l	99
3) Chloromethane	2.259	50	8712	4.331	ug/l	100
4) Vinyl Chloride	2.405	62	10652	4.378	ug/l #	78
5) Bromomethane	2.820	94	9036	4.950	ug/l	90
6) Chloroethane	2.972	64	7100	4.410	ug/l	96
7) Trichlorofluoromethane	3.307	101	9290	4.766	ug/l	85
8) Diethyl Ether	3.722	74	8810	5.517	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	11454	4.981	ug/l	96
10) Methyl Iodide	4.307	142	16674	5.114	ug/l	95
11) Tert butyl alcohol	5.215	59	4870	24.905	ug/l #	93
12) 1,1-Dichloroethene	4.082	96	11633	4.594	ug/l	94
13) Acrolein	3.923	56	4535	14.555	ug/l	86
14) Allyl chloride	4.709	41	16104	4.370	ug/l	94
15) Acrylonitrile	5.411	53	16859	22.164	ug/l	96
16) Acetone	4.161	43	22242	31.812	ug/l	92
17) Carbon Disulfide	4.423	76	28260	4.158	ug/l	96
18) Methyl Acetate	4.709	43	11106	5.020	ug/l	95
19) Methyl tert-butyl Ether	5.459	73	20392	4.571	ug/l	96
20) Methylene Chloride	4.953	84	28536	8.827	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	11749	4.372	ug/l	89
22) Diisopropyl ether	6.349	45	32894	4.234	ug/l	92
23) Vinyl Acetate	6.288	43	103564	20.303	ug/l	99
24) 1,1-Dichloroethane	6.246	63	22564	4.546	ug/l	97
25) 2-Butanone	7.203	43	23350	23.498	ug/l	93
26) 2,2-Dichloropropane	7.191	77	12183	4.892	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	14613	4.652	ug/l	95
28) Bromochloromethane	7.532	49	10580	4.684	ug/l	96
29) Tetrahydrofuran	7.550	42	12809	19.546	ug/l	91
30) Chloroform	7.691	83	26051	4.950	ug/l	91
31) Cyclohexane	7.965	56	21227	4.932	ug/l #	84
32) 1,1,1-Trichloroethane	7.892	97	18305	4.789	ug/l	97
36) 1,1-Dichloropropene	8.099	75	16117	4.730	ug/l	97
37) Ethyl Acetate	7.276	43	9429	4.699	ug/l #	93
38) Carbon Tetrachloride	8.081	117	17873	5.435	ug/l	95
39) Methylcyclohexane	9.343	83	17110	4.120	ug/l	94
40) Benzene	8.337	78	52169	4.926	ug/l	97

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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	5318	4.673	ug/l #	93
42) 1,2-Dichloroethane	8.416	62	18439	5.441	ug/l	100
43) Isopropyl Acetate	8.440	43	17082	4.627	ug/l	95
44) Trichloroethene	9.099	130	12982	5.147	ug/l	87
45) 1,2-Dichloropropane	9.379	63	11969	4.678	ug/l #	89
46) Dibromomethane	9.465	93	8660	5.244	ug/l	95
47) Bromodichloromethane	9.654	83	18873	4.960	ug/l	97
48) Methyl methacrylate	9.446	41	7736	4.340	ug/l #	87
49) 1,4-Dioxane	9.471	88	1735	81.254	ug/l #	64
51) 4-Methyl-2-Pentanone	10.215	43	49075	23.549	ug/l	96
52) Toluene	10.391	92	32956	4.940	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	15244	4.276	ug/l	96
54) cis-1,3-Dichloropropene	10.080	75	17784	4.397	ug/l	93
55) 1,1,2-Trichloroethane	10.794	97	11470	5.227	ug/l	93
56) Ethyl methacrylate	10.653	69	12391	4.219	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	18766	4.906	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	34181	21.043	ug/l	98
59) 2-Hexanone	10.971	43	34021	23.572	ug/l	95
60) Dibromochloromethane	11.129	129	12832	5.119	ug/l	95
61) 1,2-Dibromoethane	11.239	107	11130	5.219	ug/l	99
64) Tetrachloroethene	10.867	164	11802	5.972	ug/l	89
65) Chlorobenzene	11.659	112	37479	5.033	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	11991	5.161	ug/l	99
67) Ethyl Benzene	11.733	91	58569	4.643	ug/l	97
68) m/p-Xylenes	11.836	106	44081	9.056	ug/l	99
69) o-Xylene	12.165	106	20326	4.518	ug/l	98
70) Styrene	12.178	104	34976	4.377	ug/l	99
71) Bromoform	12.342	173	7389	5.559	ug/l #	92
73) Isopropylbenzene	12.464	105	50649	4.038	ug/l	96
74) N-amyl acetate	12.269	43	14867	4.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	13951	4.685	ug/l	96
76) 1,2,3-Trichloropropane	12.769	75	10832m	4.447	ug/l	
77) Bromobenzene	12.751	156	15020	5.014	ug/l	87
78) n-propylbenzene	12.799	91	65528	4.243	ug/l	98
79) 2-Chlorotoluene	12.891	91	39020	4.094	ug/l	90
80) 1,3,5-Trimethylbenzene	12.940	105	42658	4.006	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.513	75	3576	3.801	ug/l	92
82) 4-Chlorotoluene	12.988	91	45244	4.468	ug/l	99
83) tert-Butylbenzene	13.202	119	36237	4.100	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	44422	4.098	ug/l	93
85) sec-Butylbenzene	13.379	105	54988	4.115	ug/l	100
86) p-Isopropyltoluene	13.494	119	46673	4.190	ug/l	98
87) 1,3-Dichlorobenzene	13.494	146	29329	4.920	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	30606	5.081	ug/l	95
89) n-Butylbenzene	13.818	91	45142	4.172	ug/l	98
90) Hexachloroethane	14.086	117	9046	4.441	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	26030	4.820	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	2650	5.005	ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	15323	4.744	ug/l	97
94) Hexachlorobutadiene	15.232	225	8287	5.739	ug/l	93
95) Naphthalene	15.360	128	33462	4.228	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	14746	5.017	ug/l	96

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LOQ-SOIL-02-QT3-2025

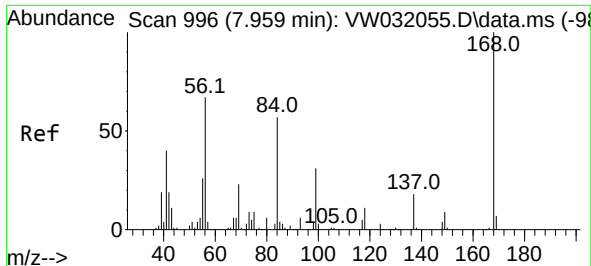
Manual Integrations
APPROVED

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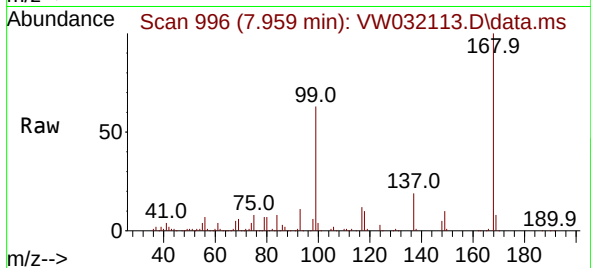
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
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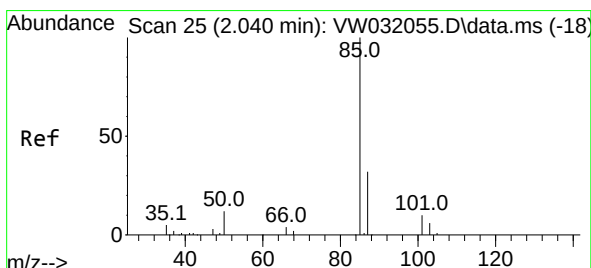
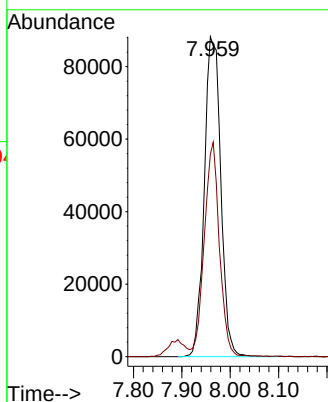
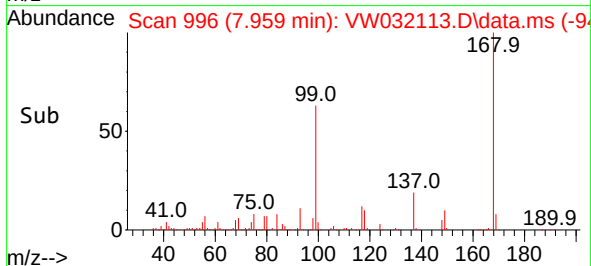
Instrument :
MSVOA_W
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LOQ-SOIL-02-QT3-2025



Tgt Ion:168 Resp: 208799
Ion Ratio Lower Upper
168 100
99 63.0 56.0 84.0

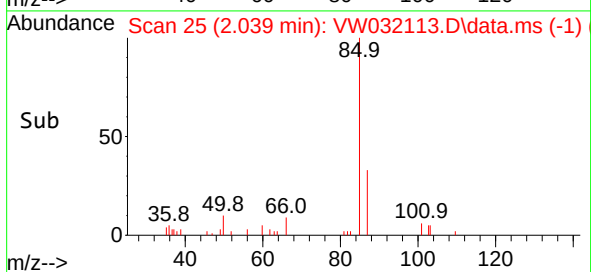
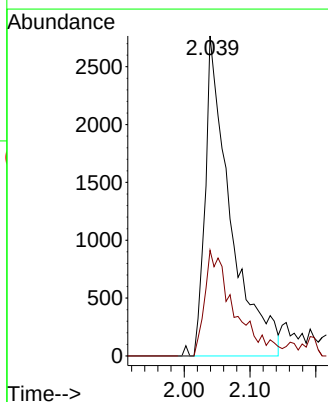
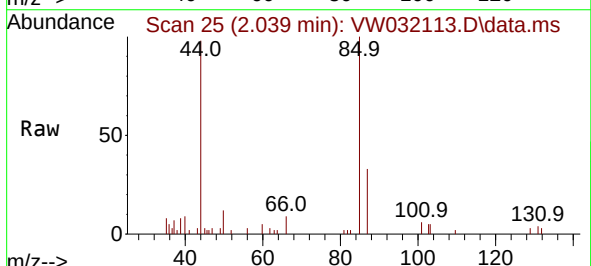
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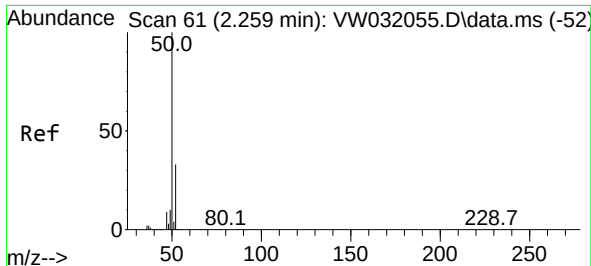
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#2
Dichlorodifluoromethane
Concen: 4.950 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 85 Resp: 7392
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





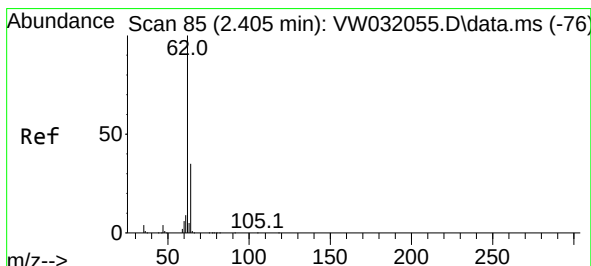
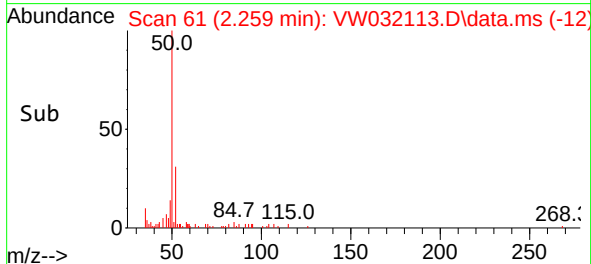
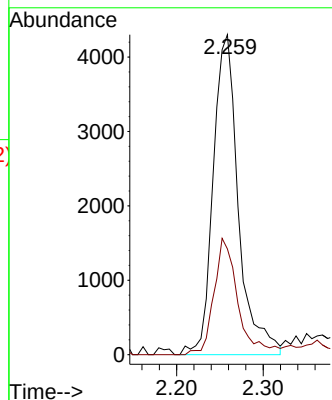
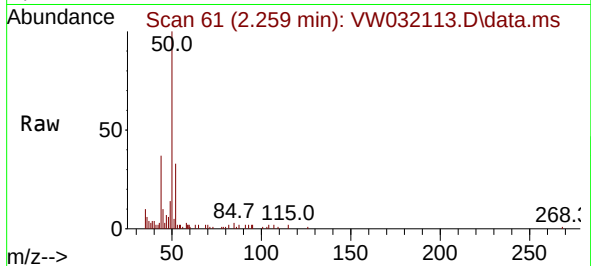
#3
Chloromethane
Concen: 4.331 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

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LOQ-SOIL-02-QT3-2025

Tgt Ion: 50 Resp: 871
Ion Ratio Lower Upper
50 100
52 33.1 26.6 39.8

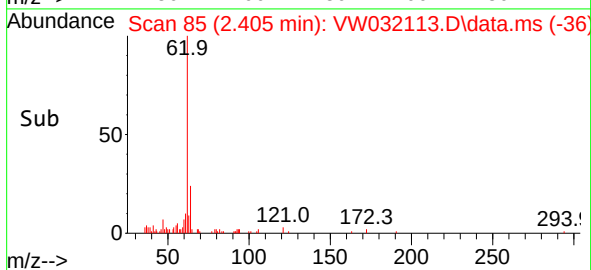
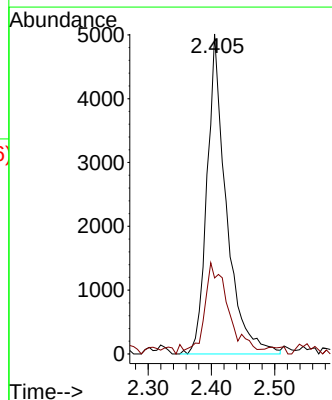
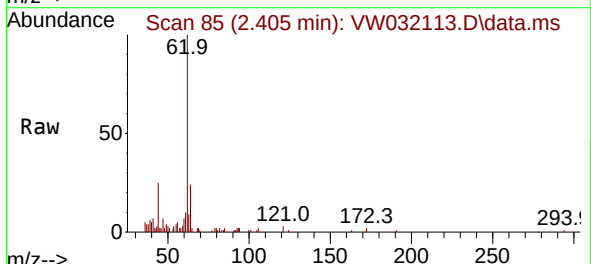
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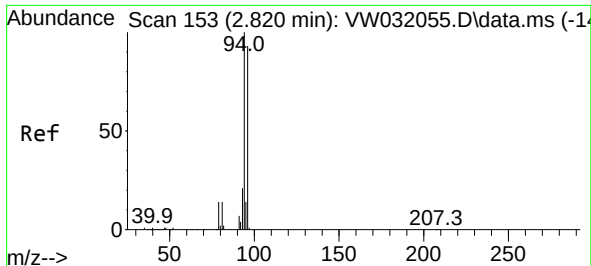
Reviewed By :Semsettin Yesilyurt 08/25/2025
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#4
Vinyl Chloride
Concen: 4.378 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 62 Resp: 10652
Ion Ratio Lower Upper
62 100
64 21.7 27.8 41.6





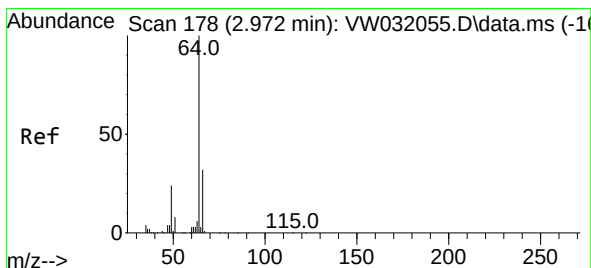
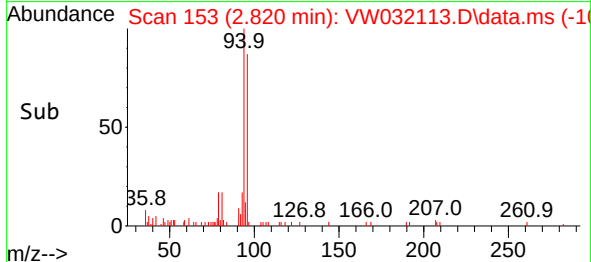
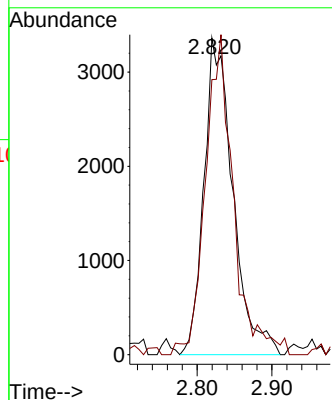
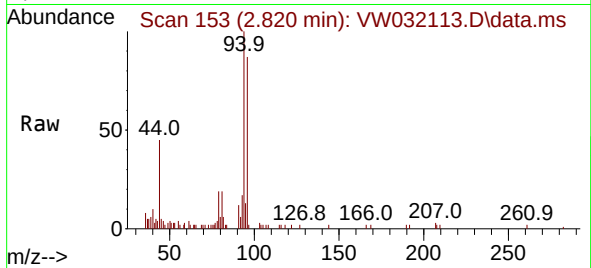
#5
Bromomethane
Concen: 4.950 ug/l
RT: 2.820 min Scan# 153
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 94 Resp: 903
Ion Ratio Lower Upper
94 100
96 83.8 74.7 112.1

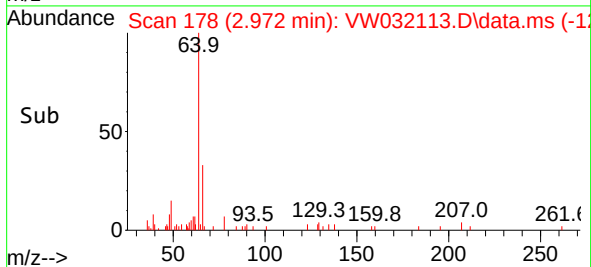
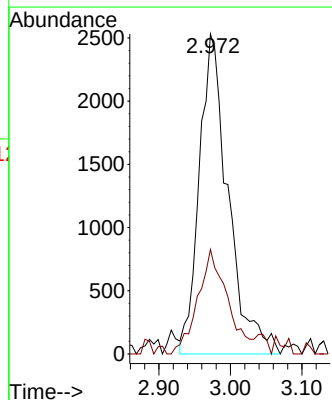
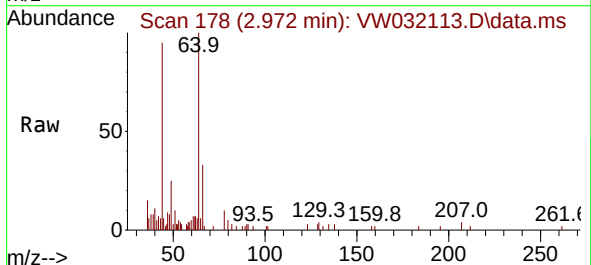
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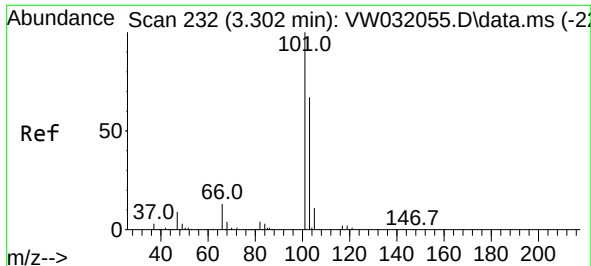
Reviewed By :Semsettin Yesilyurt 08/25/2025
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#6
Chloroethane
Concen: 4.410 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032113.D
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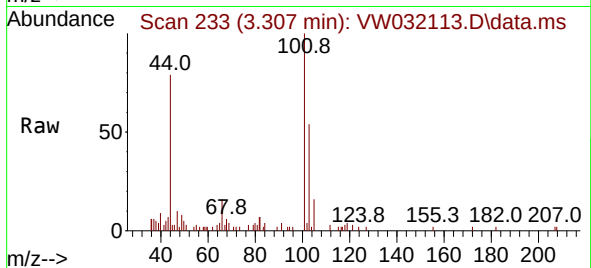
Tgt Ion: 64 Resp: 7100
Ion Ratio Lower Upper
64 100
66 30.0 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 4.766 ug/l
 RT: 3.307 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

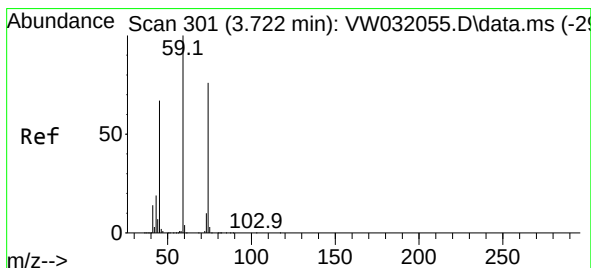
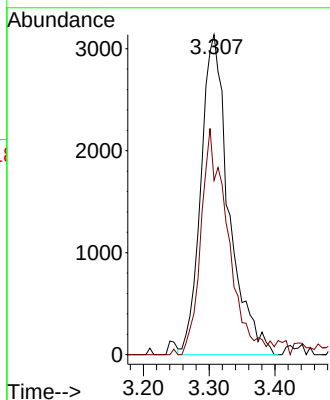
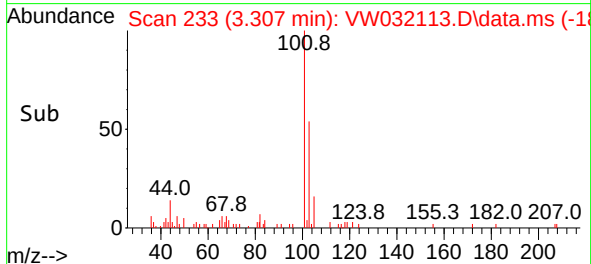
Instrument : MSVOA_W
 ClientSampleId : LOQ-SOIL-02-QT3-2025



Tgt Ion:101 Resp: 9290
 Ion Ratio Lower Upper
 101 100
 103 54.4 53.4 80.0

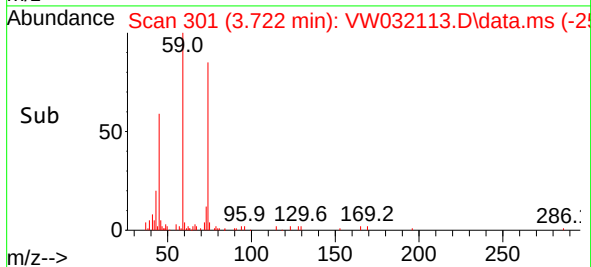
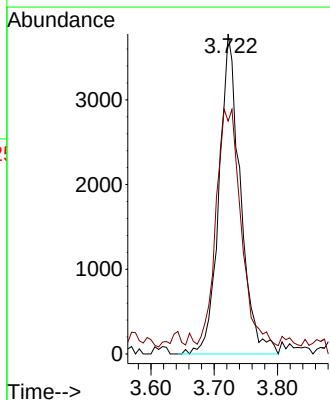
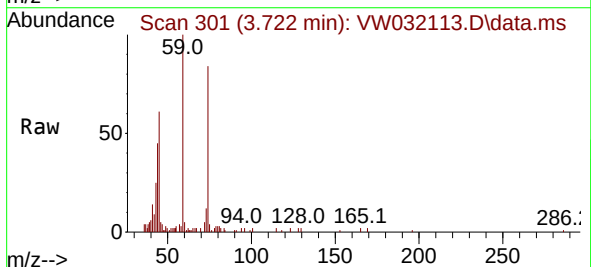
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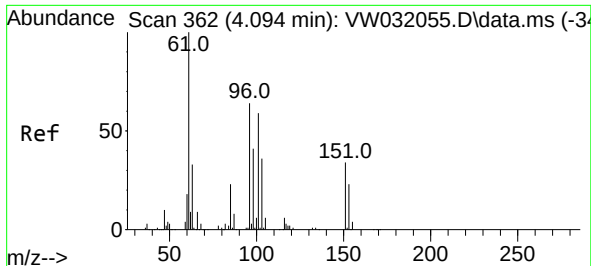
Reviewed By :Semsettin Yesilyurt 08/25/2025
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#8
 Diethyl Ether
 Concen: 5.517 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 74 Resp: 8810
 Ion Ratio Lower Upper
 74 100
 45 86.5 45.4 136.2





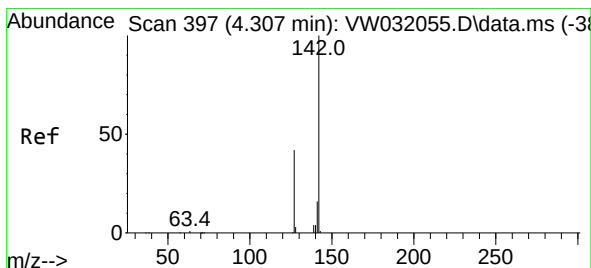
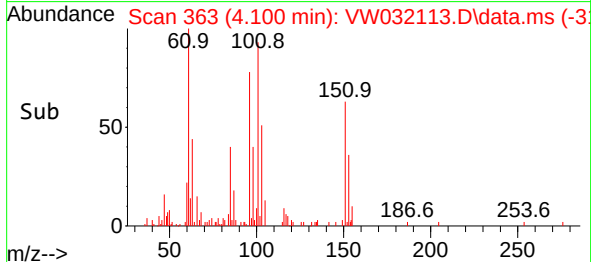
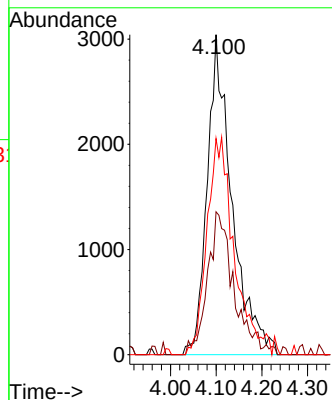
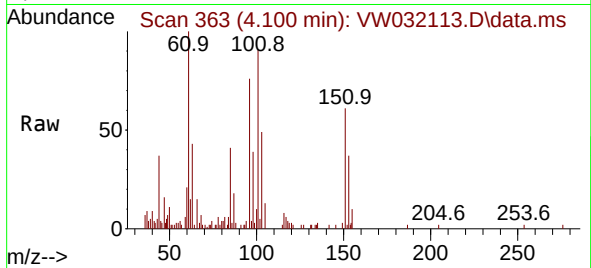
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.981 ug/l
RT: 4.100 min Scan# 362
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:101 Resp: 11454
Ion Ratio Lower Upper
101 100
85 46.9 34.9 52.3
151 73.4 56.2 84.4

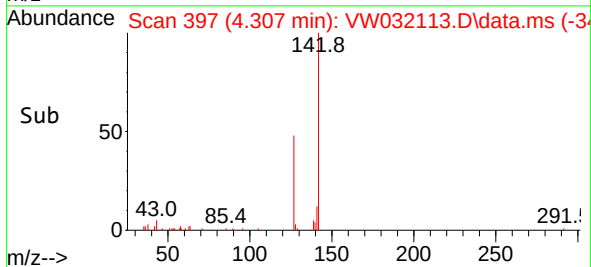
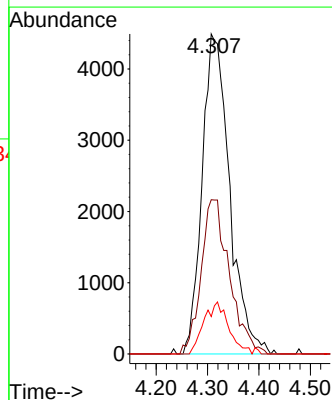
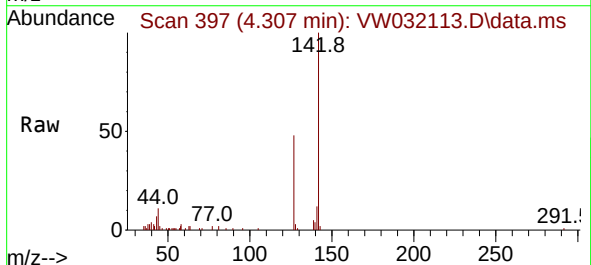
Manual Integrations
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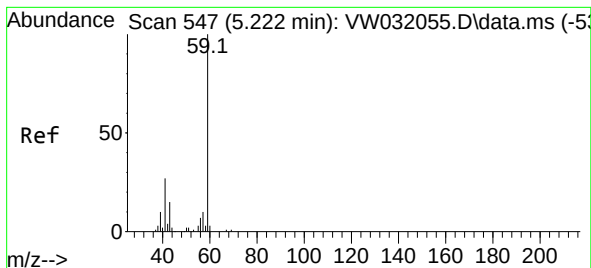
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#10
Methyl Iodide
Concen: 5.114 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:142 Resp: 16674
Ion Ratio Lower Upper
142 100
127 49.7 36.6 55.0
141 14.7 12.1 18.1





#11

Tert butyl alcohol

Concen: 24.905 ug/l

RT: 5.215 min Scan# 547

Delta R.T. -0.006 min

Lab File: VW032113.D

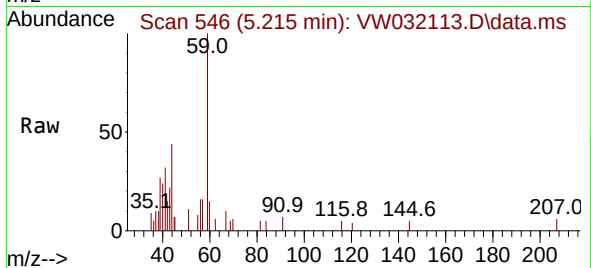
Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025



Tgt Ion: 59 Resp: 4870

Ion Ratio Lower Upper

59 100

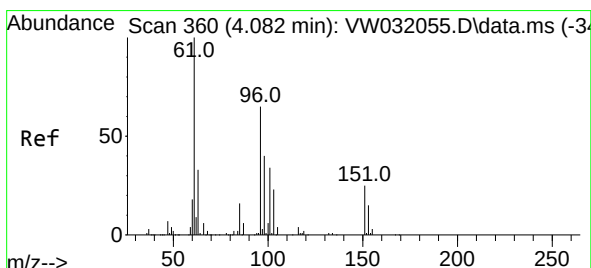
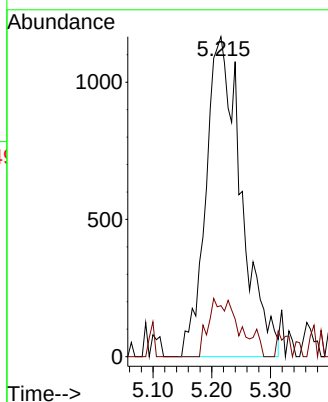
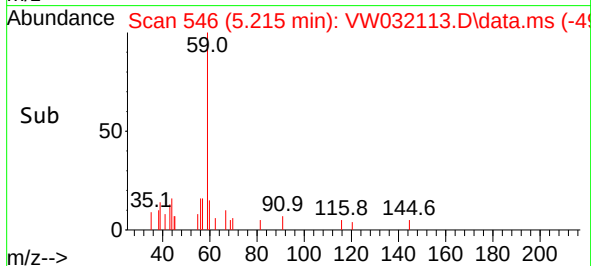
57 8.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025

Supervised By :Mahesh Dadoda 08/25/2025



#12

1,1-Dichloroethene

Concen: 4.594 ug/l

RT: 4.082 min Scan# 360

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

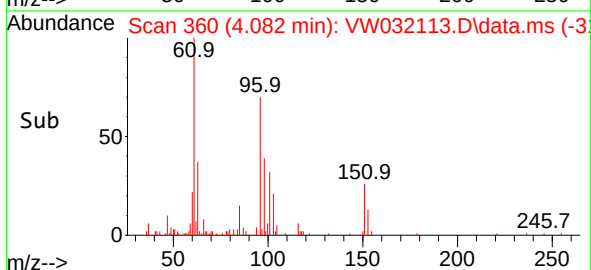
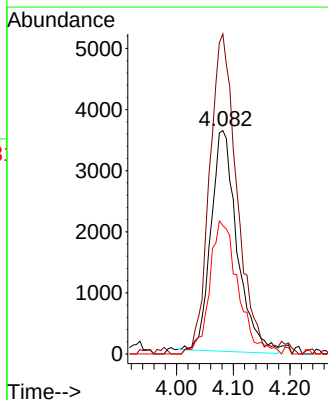
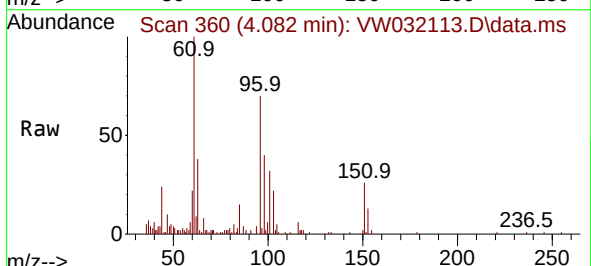
Tgt Ion: 96 Resp: 11633

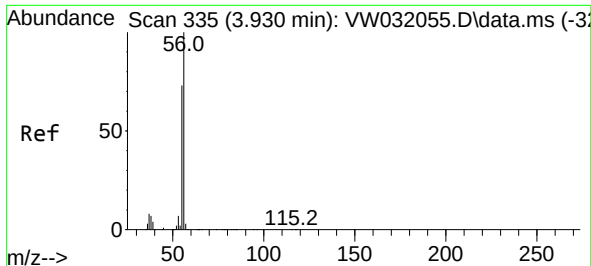
Ion Ratio Lower Upper

96 100

61 146.3 123.4 185.2

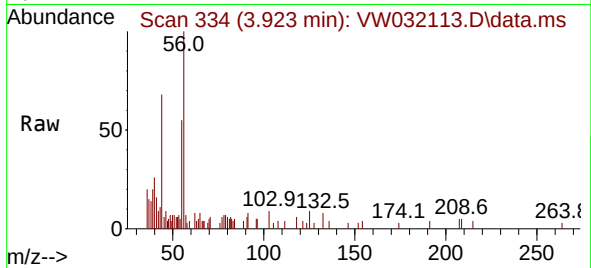
98 58.7 49.5 74.3





#13
Acrolein
Concen: 14.555 ug/l
RT: 3.923 min Scan# 311
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

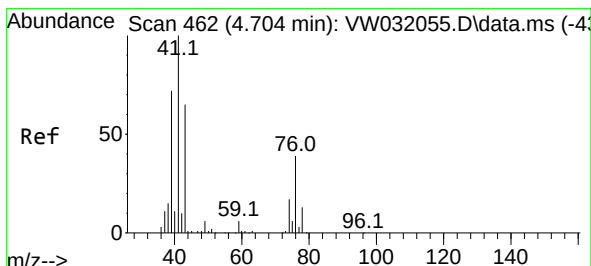
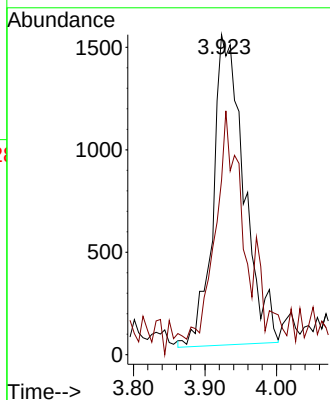
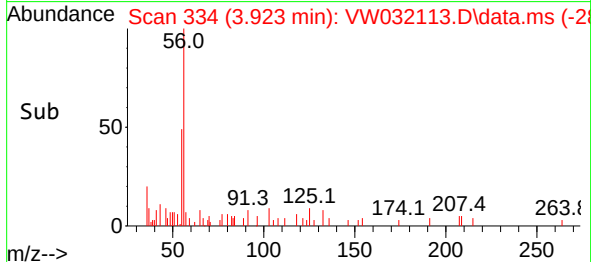
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 57.5 55.4 83.2

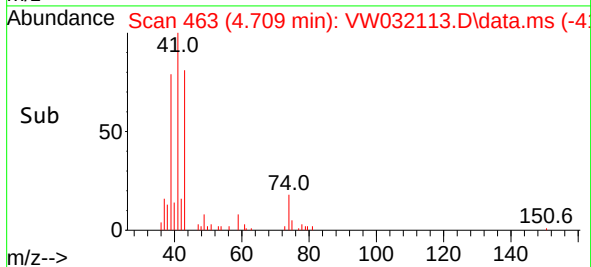
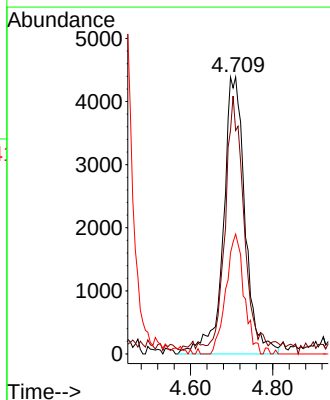
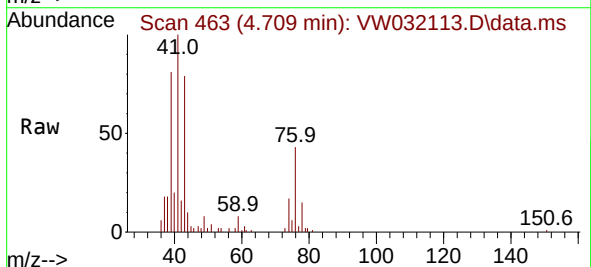
Manual Integrations
APPROVED

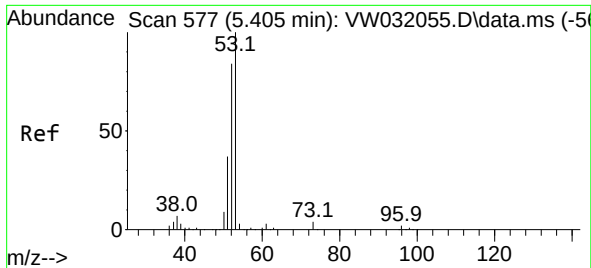
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#14
Allyl chloride
Concen: 4.370 ug/l
RT: 4.709 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

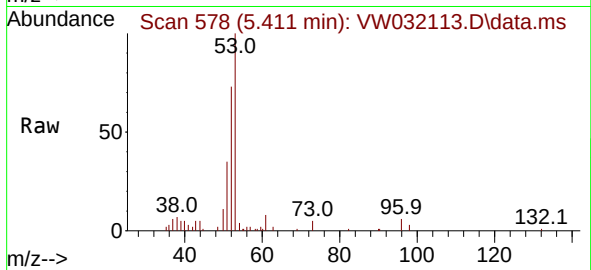
Tgt Ion: 41 Resp: 16104
Ion Ratio Lower Upper
41 100
39 74.6 54.5 81.7
76 36.0 29.3 43.9





#15
Acrylonitrile
Concen: 22.164 ug/l
RT: 5.411 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

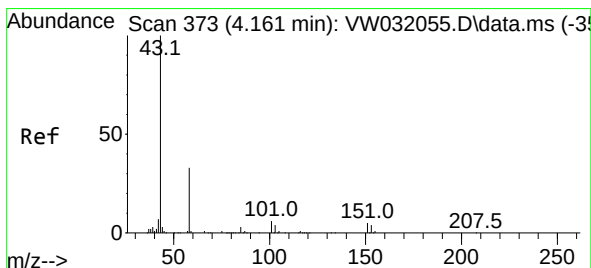
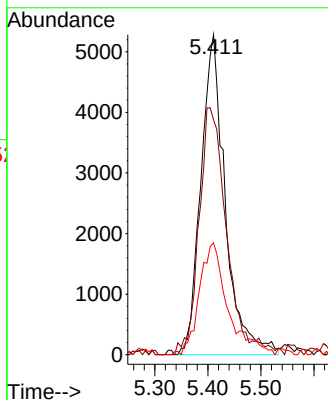
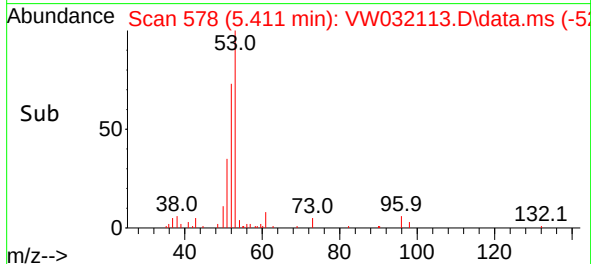
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 53 Resp: 1685
Ion Ratio Lower Upper
53 100
52 85.0 66.1 99.1
51 40.7 29.2 43.8

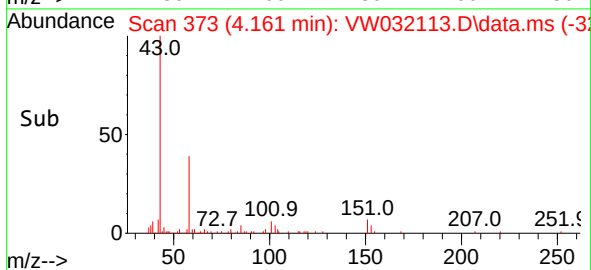
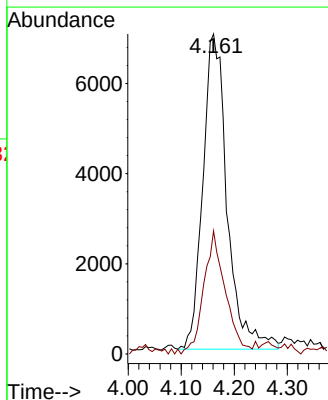
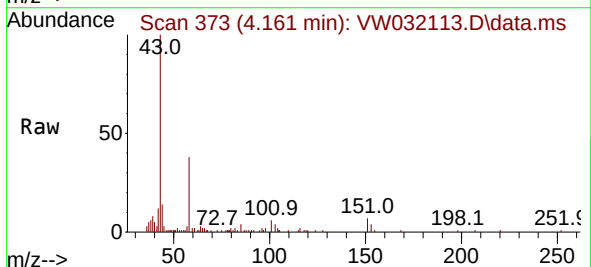
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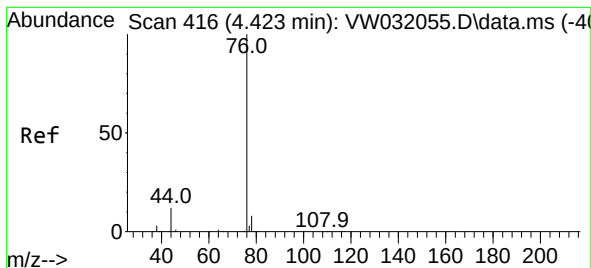
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#16
Acetone
Concen: 31.812 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 43 Resp: 22242
Ion Ratio Lower Upper
43 100
58 37.5 26.6 39.8





#17

Carbon Disulfide

Concen: 4.158 ug/l

RT: 4.423 min Scan# 416

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 76 Resp: 28260

Ion Ratio Lower Upper

76 100

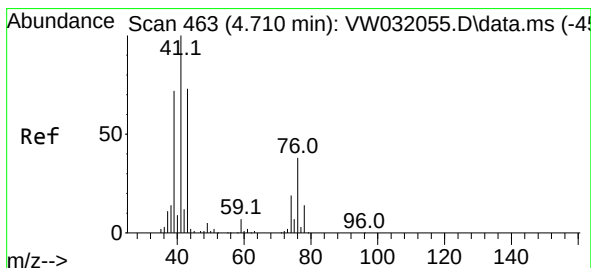
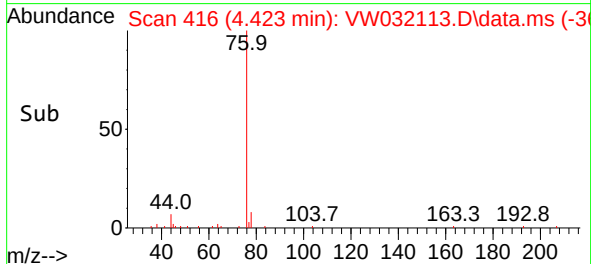
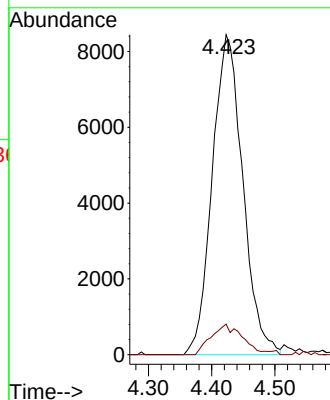
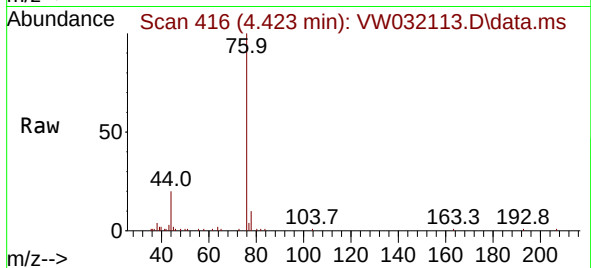
78 9.5 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025

Supervised By :Mahesh Dadoda 08/25/2025



#18

Methyl Acetate

Concen: 5.020 ug/l

RT: 4.709 min Scan# 463

Delta R.T. -0.000 min

Lab File: VW032113.D

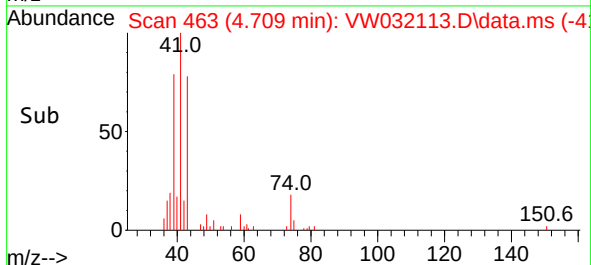
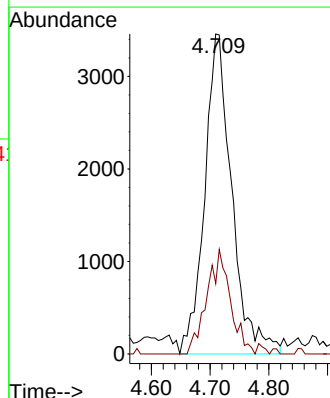
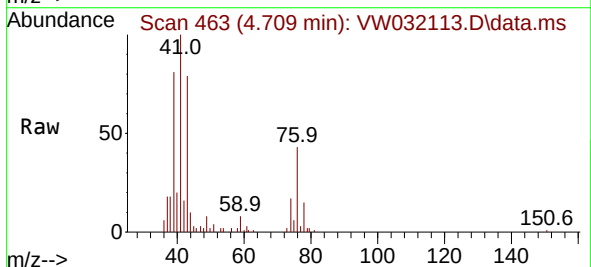
Acq: 22 Aug 2025 16:07

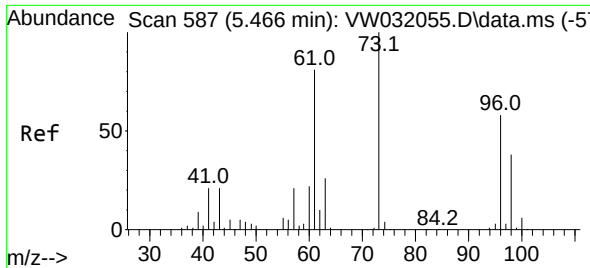
Tgt Ion: 43 Resp: 11106

Ion Ratio Lower Upper

43 100

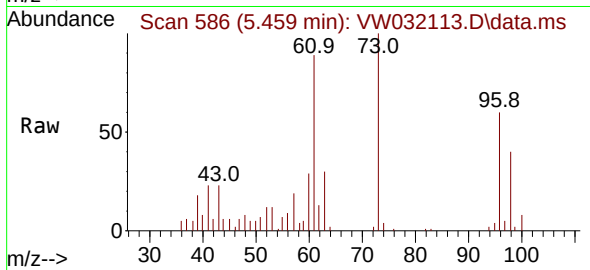
74 28.3 20.6 31.0





#19
Methyl tert-butyl Ether
Concen: 4.571 ug/l
RT: 5.459 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

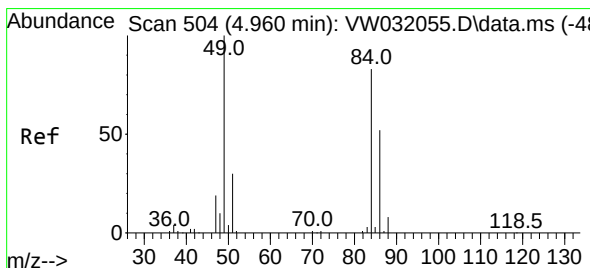
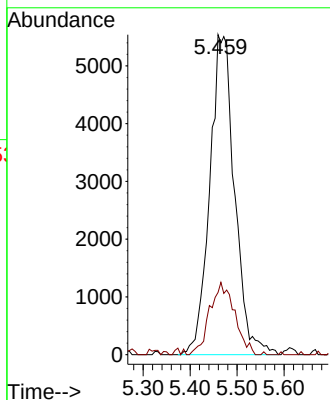
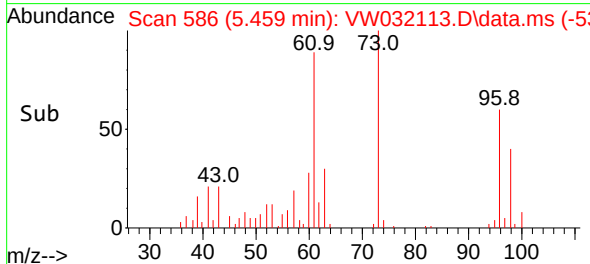
Instrument : MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



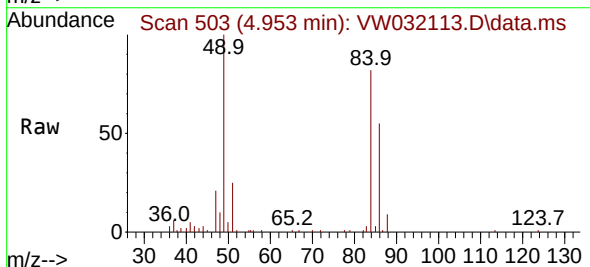
Tgt Ion: 73 Resp: 20392
Ion Ratio Lower Upper
73 100
57 19.4 17.2 25.8

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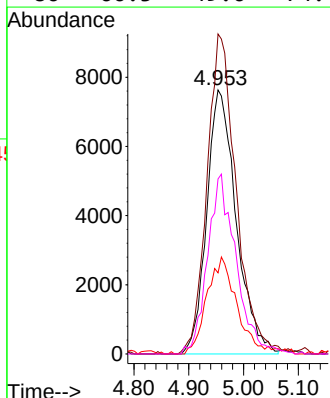
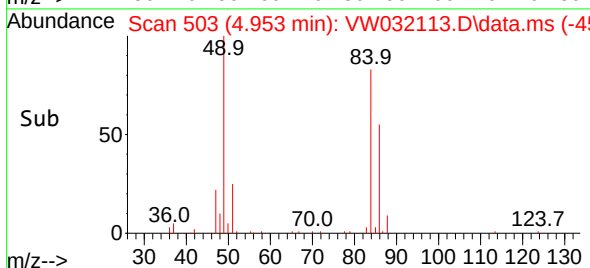
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

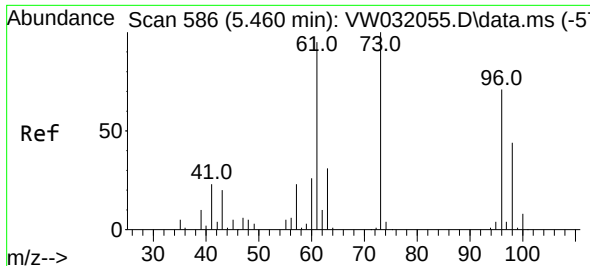


#20
Methylene Chloride
Concen: 8.827 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



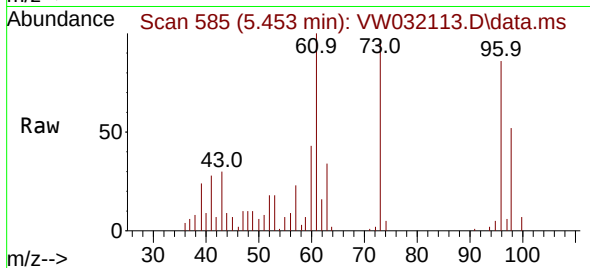
Tgt Ion: 84 Resp: 28536
Ion Ratio Lower Upper
84 100
49 121.2 95.9 143.9
51 30.8 28.6 43.0
86 66.3 49.6 74.4





#21
trans-1,2-Dichloroethene
Concen: 4.372 ug/l
RT: 5.453 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

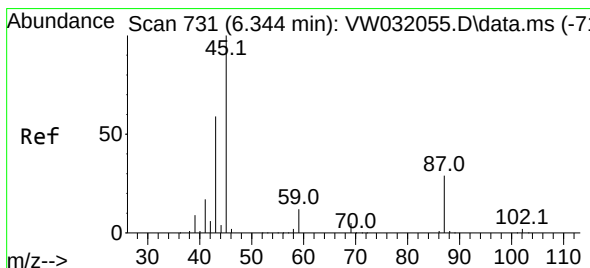
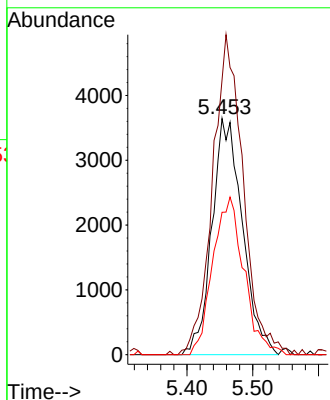
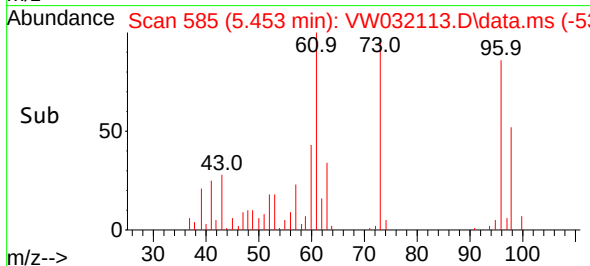
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



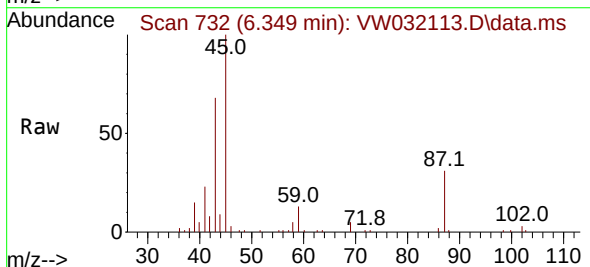
Tgt Ion: 96 Resp: 11749
Ion Ratio Lower Upper
96 100
61 116.3 106.8 160.2
98 60.3 49.6 74.4

Manual Integrations
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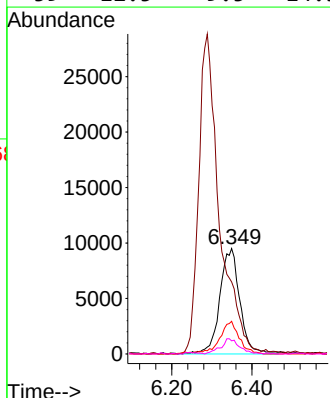
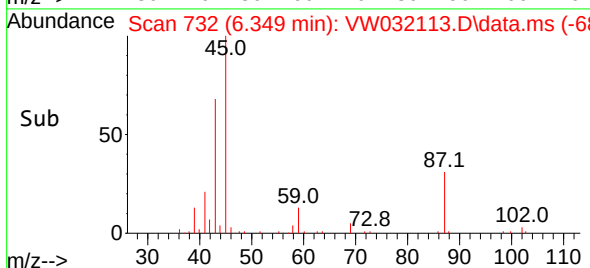
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

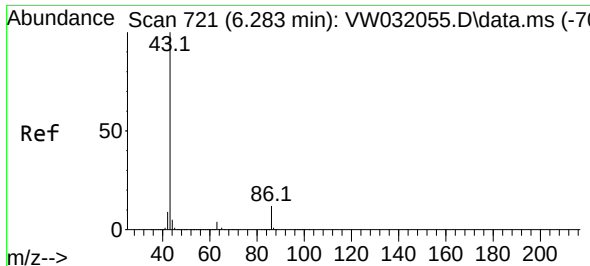


#22
Diisopropyl ether
Concen: 4.234 ug/l
RT: 6.349 min Scan# 732
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



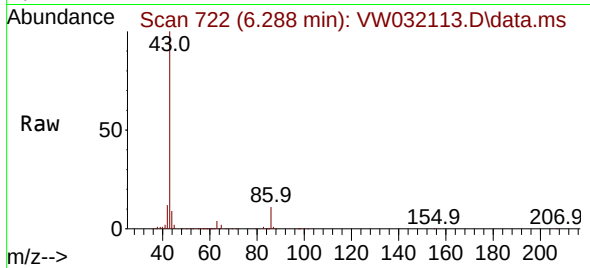
Tgt Ion: 45 Resp: 32894
Ion Ratio Lower Upper
45 100
43 68.3 47.0 70.4
87 30.9 23.8 35.8
59 12.5 9.5 14.3





#23
 Vinyl Acetate
 Concen: 20.303 ug/l
 RT: 6.288 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

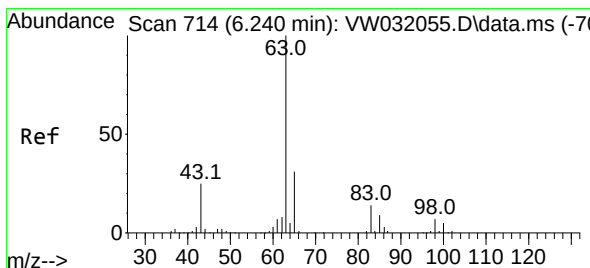
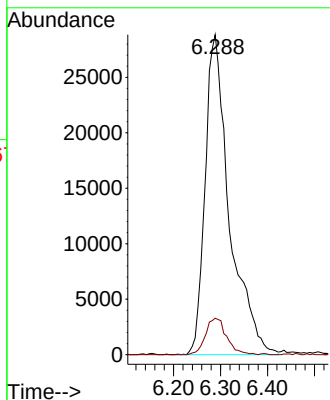
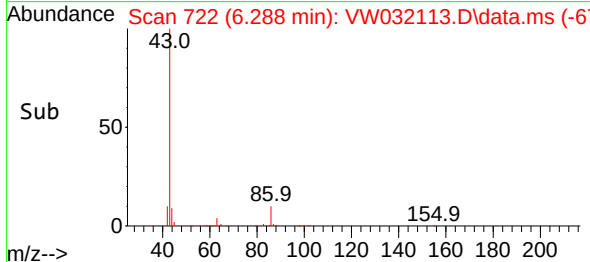
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



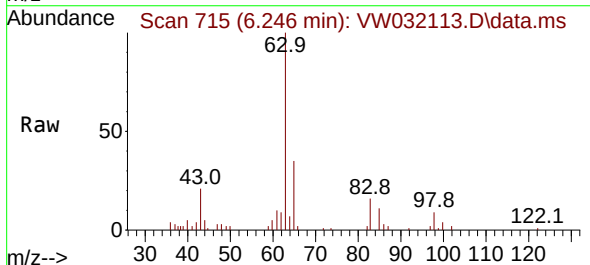
Tgt Ion: 43 Resp: 103564
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.4 14.0

Manual Integrations
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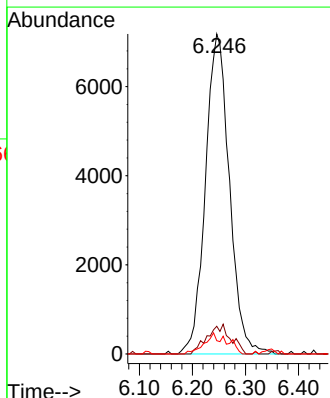
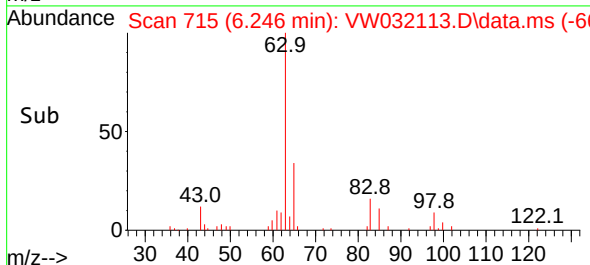
Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

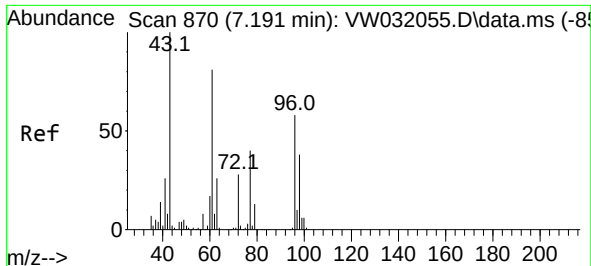


#24
 1,1-Dichloroethane
 Concen: 4.546 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07



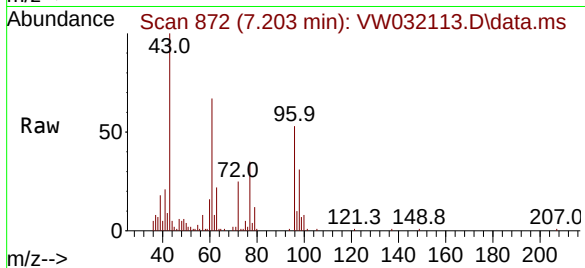
Tgt Ion: 63 Resp: 22564
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.7 11.1
 100 4.1 2.5 7.4





#25
2-Butanone
Concen: 23.498 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

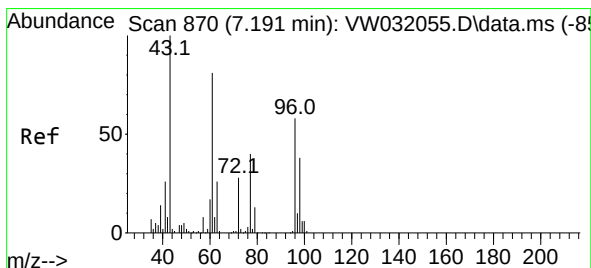
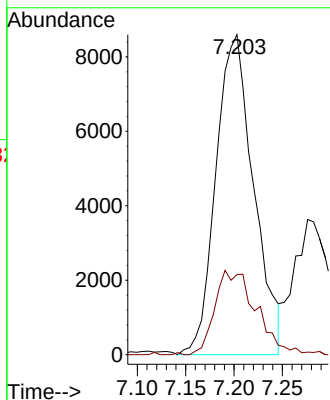
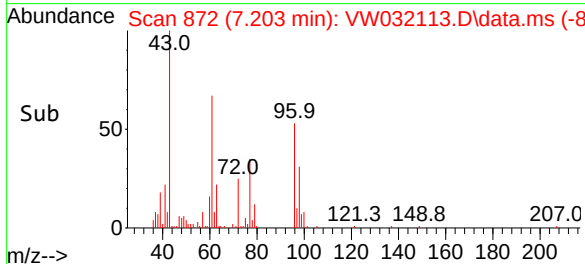
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 43 Resp: 23350
Ion Ratio Lower Upper
43 100
72 24.3 22.3 33.5

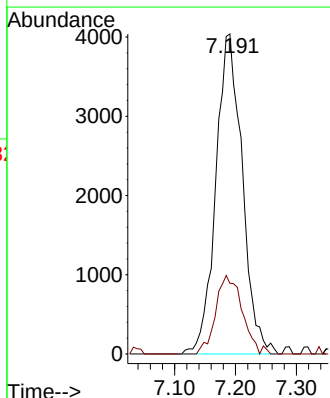
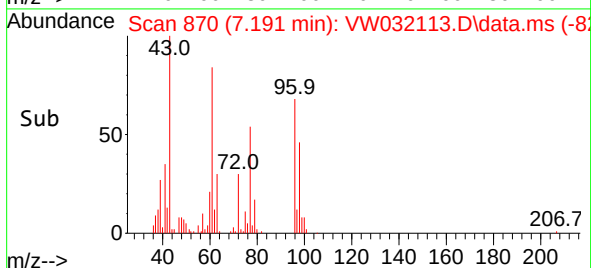
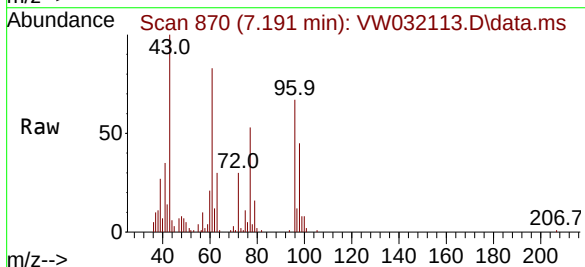
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APPROVED

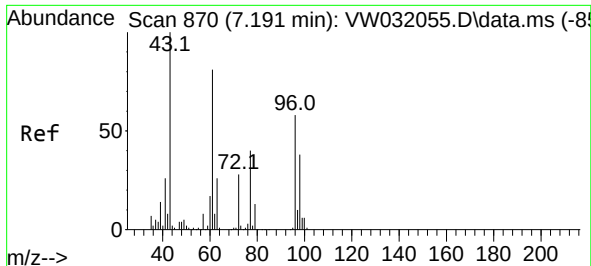
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#26
2,2-Dichloropropane
Concen: 4.892 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

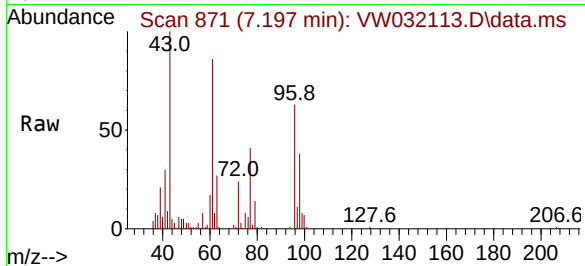
Tgt Ion: 77 Resp: 12183
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.9





#27
 cis-1,2-Dichloroethene
 Concen: 4.652 ug/l
 RT: 7.197 min Scan# 871
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

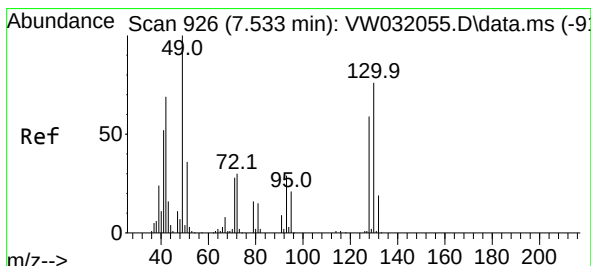
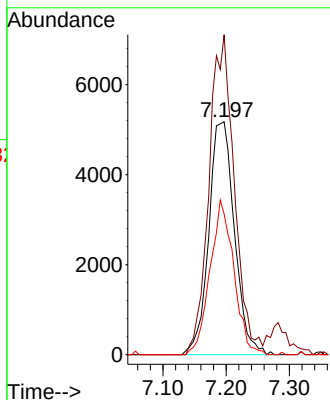
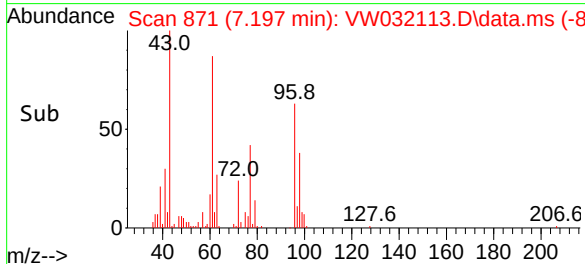
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



Tgt Ion: 96 Resp: 1461
 Ion Ratio Lower Upper
 96 100
 61 135.0 0.0 281.2
 98 61.4 0.0 130.8

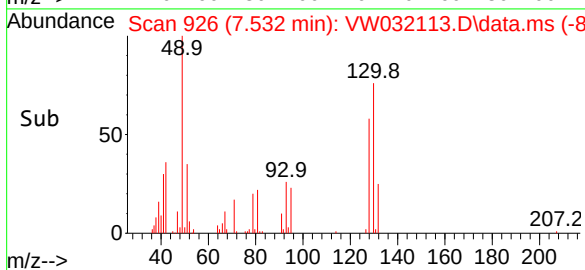
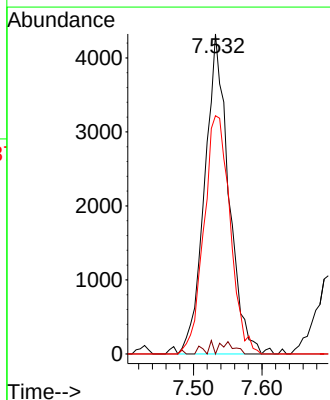
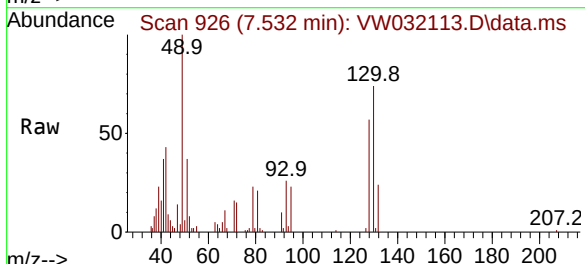
Manual Integrations
 APPROVED

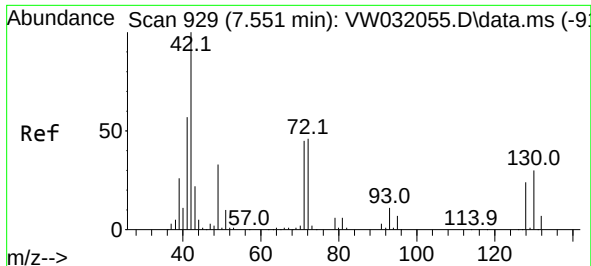
Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#28
 Bromochloromethane
 Concen: 4.684 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 49 Resp: 10580
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 4.2
 130 80.9 61.9 92.9





#29

Tetrahydrofuran

Concen: 19.546 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

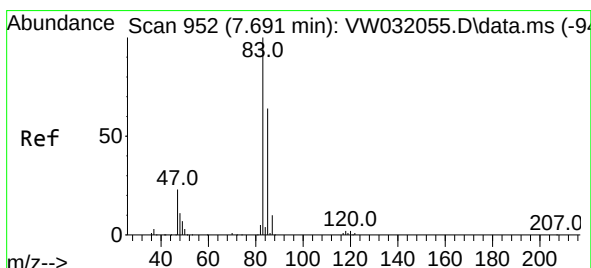
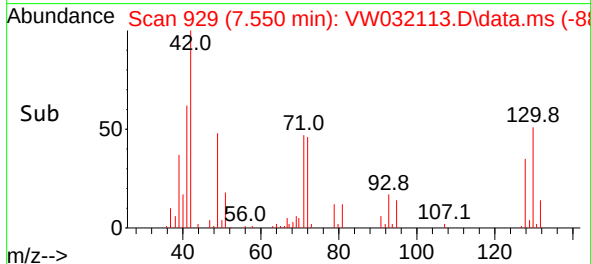
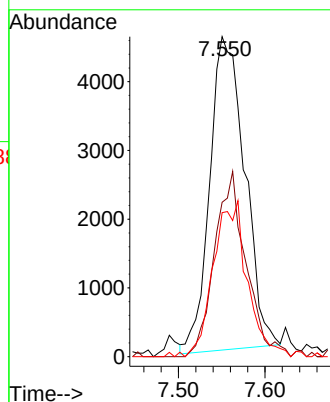
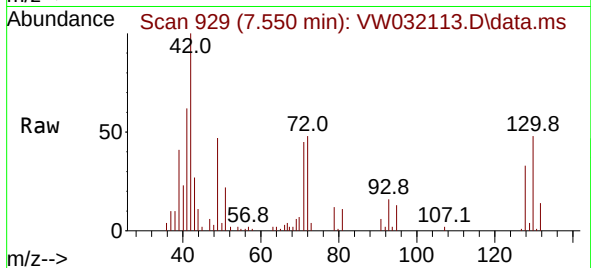
LOQ-SOIL-02-QT3-2025

Tgt Ion: 42	Resp: 1280
Ion Ratio	Lower Upper
42 100	
72 53.1	36.6 55.0
71 48.0	34.7 52.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#30

Chloroform

Concen: 4.950 ug/l

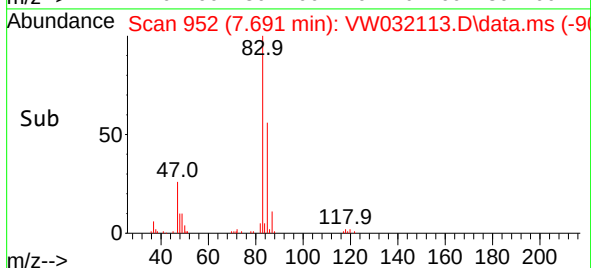
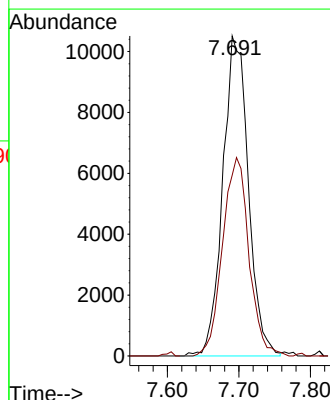
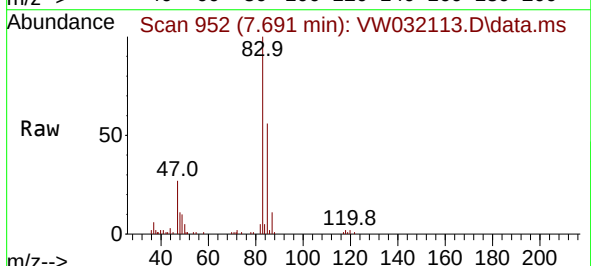
RT: 7.691 min Scan# 952

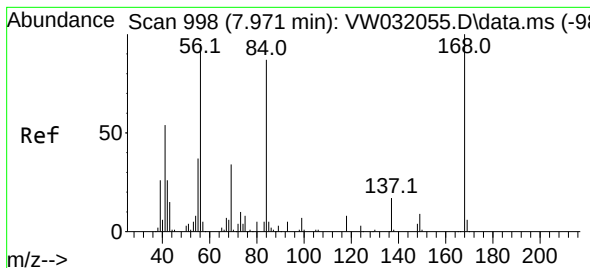
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion: 83	Resp: 26051
Ion Ratio	Lower Upper
83 100	
85 56.5	51.0 76.4





#31

Cyclohexane

Concen: 4.932 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

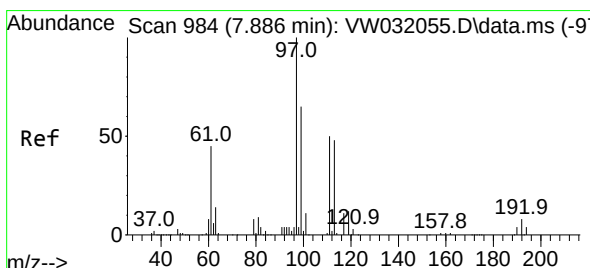
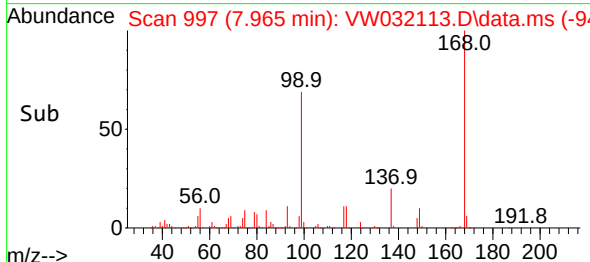
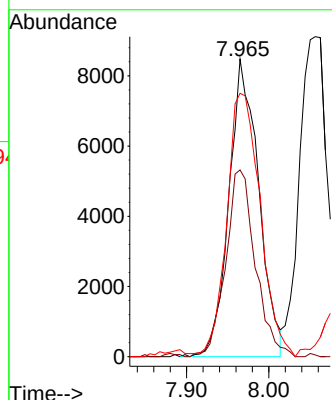
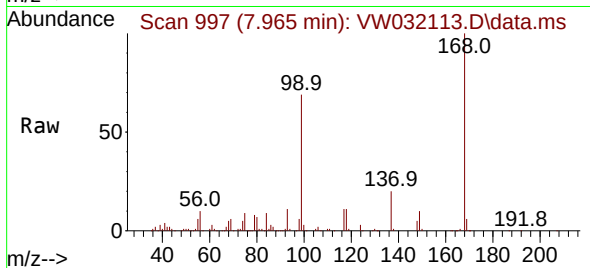
LOQ-SOIL-02-QT3-2025

Tgt Ion:	56	Resp:	2122
Ion	Ratio	Lower	Upper
56	100		
69	62.0	28.6	42.8
84	86.1	73.0	109.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#32

1,1,1-Trichloroethane

Concen: 4.789 ug/l

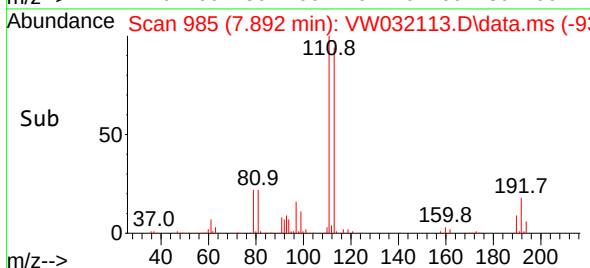
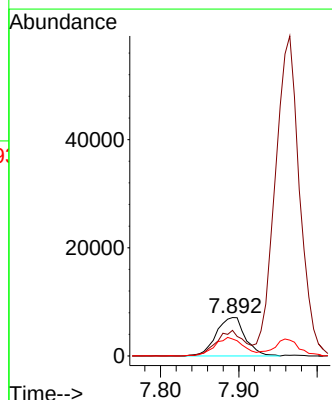
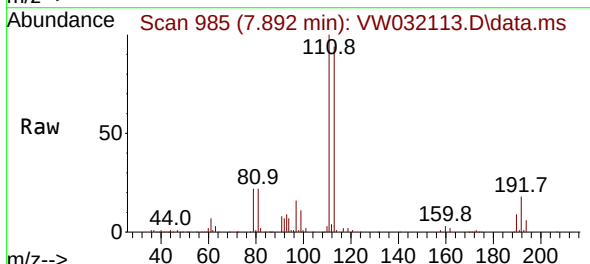
RT: 7.892 min Scan# 985

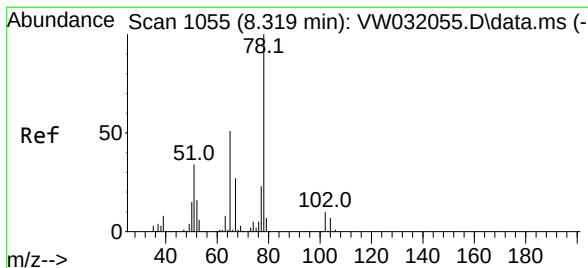
Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

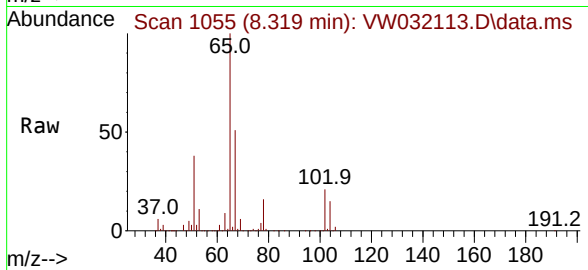
Tgt Ion:	97	Resp:	18305
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.8
61	47.2	35.9	53.9





#33
1,2-Dichloroethane-d4
Concen: 47.650 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

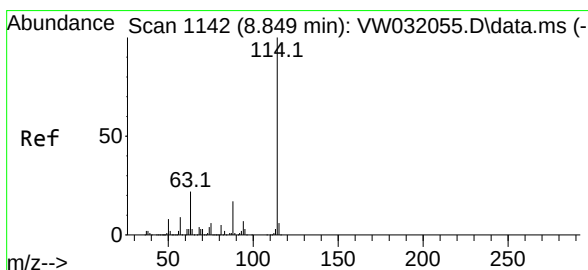
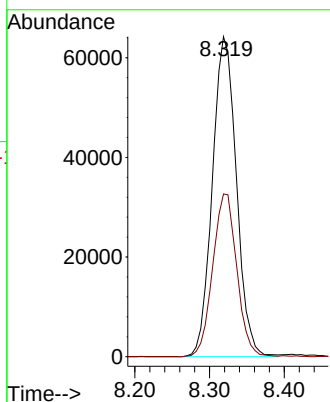
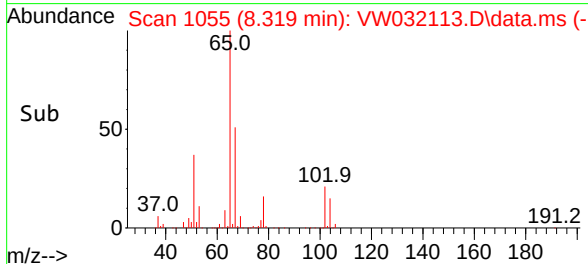
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



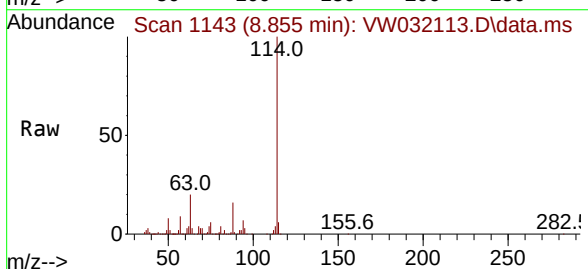
Tgt Ion: 65 Resp: 143890
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

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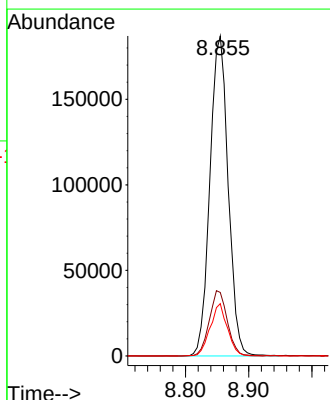
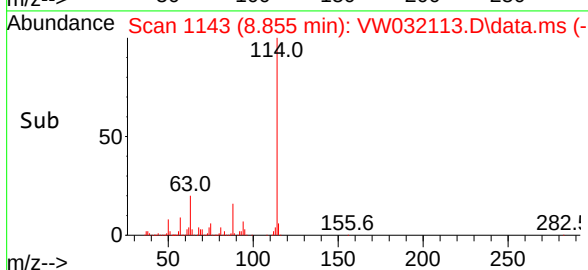
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

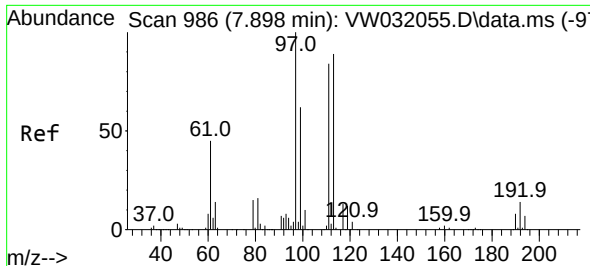


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



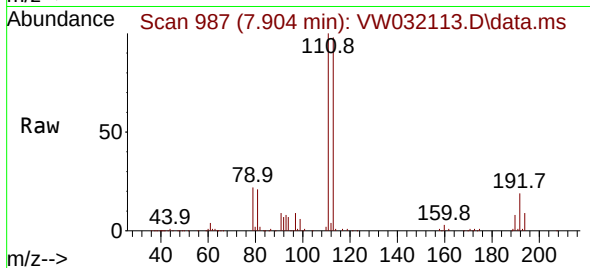
Tgt Ion:114 Resp: 374134
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.0
88 16.3 0.0 33.8





#35
Dibromofluoromethane
Concen: 49.605 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

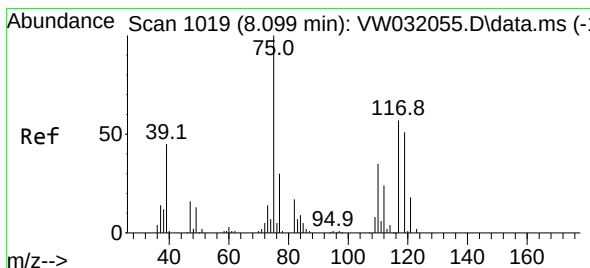
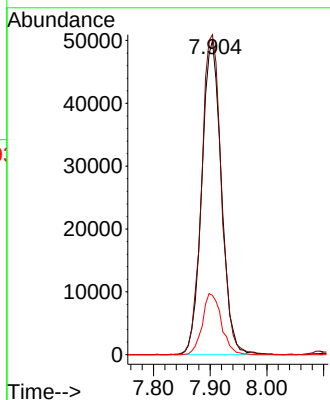
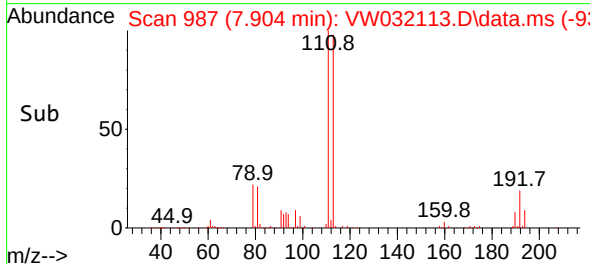
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:113 Resp: 11989
Ion Ratio Lower Upper
113 100
111 102.9 80.1 120.1
192 18.9 13.1 19.7

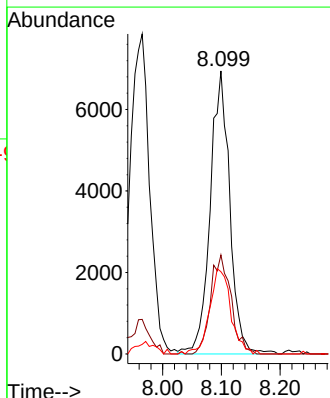
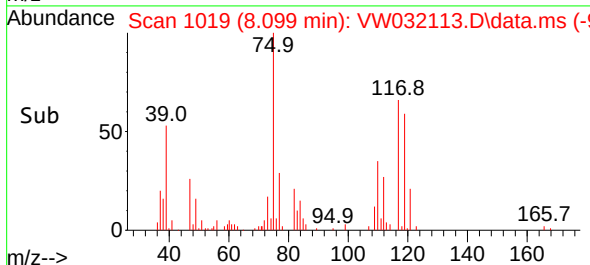
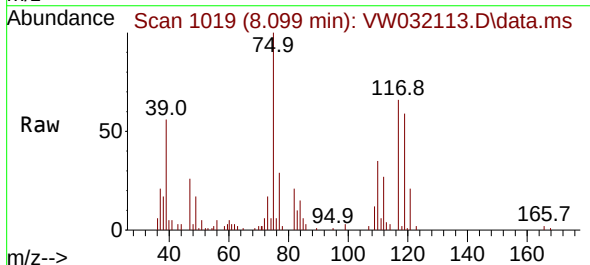
Manual Integrations
APPROVED

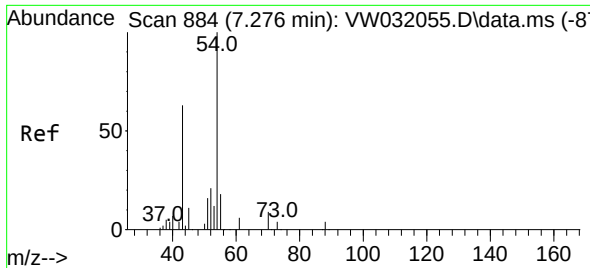
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#36
1,1-Dichloropropene
Concen: 4.730 ug/l
RT: 8.099 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

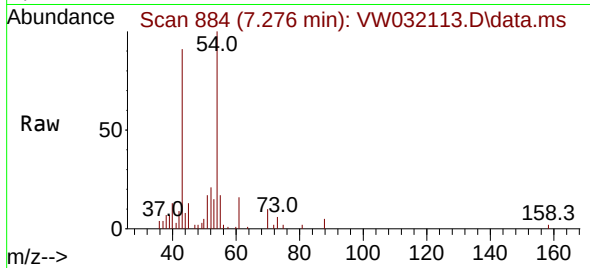
Tgt Ion: 75 Resp: 16117
Ion Ratio Lower Upper
75 100
110 36.3 17.4 52.2
77 32.6 24.7 37.1





#37
Ethyl Acetate
Concen: 4.699 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

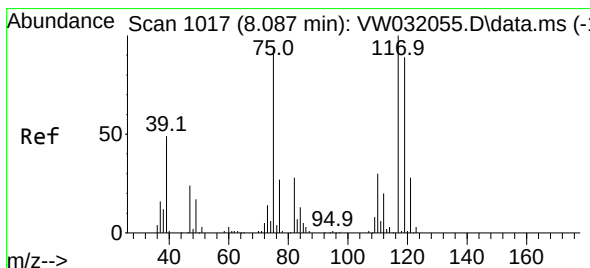
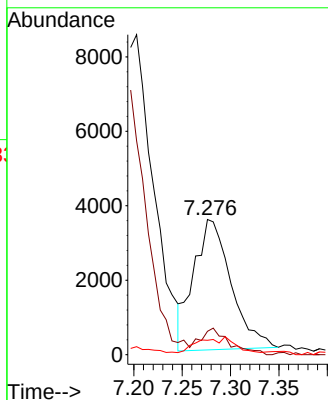
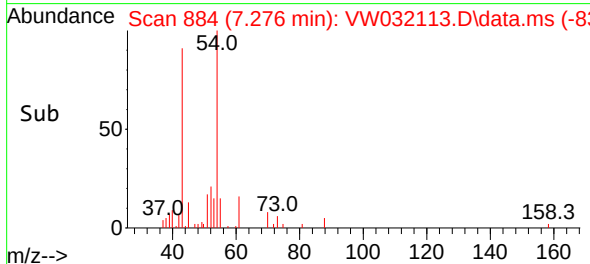
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 43 Resp: 9429
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 6.9 9.4 14.0

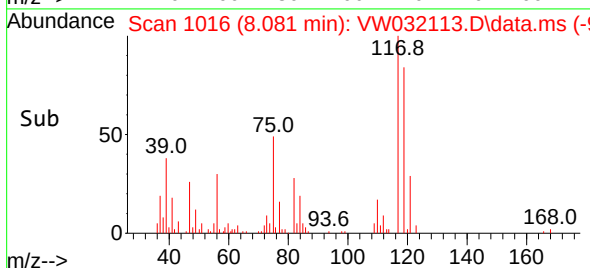
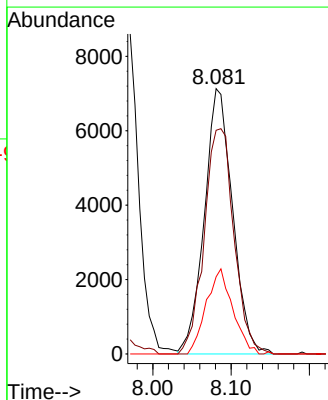
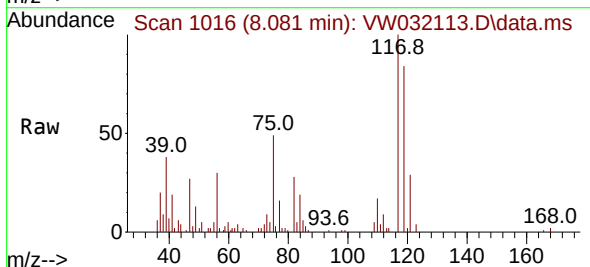
Manual Integrations
APPROVED

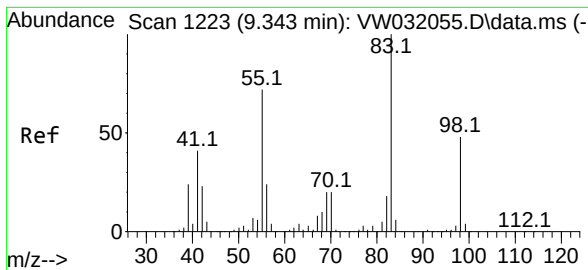
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#38
Carbon Tetrachloride
Concen: 5.435 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

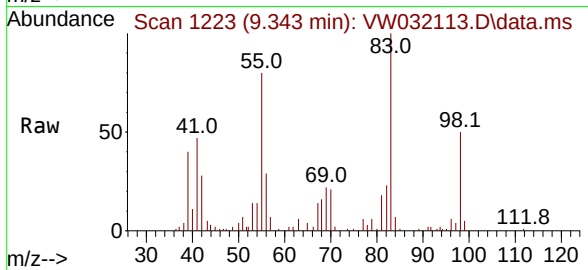
Tgt Ion:117 Resp: 17873
Ion Ratio Lower Upper
117 100
119 84.3 71.4 107.2
121 29.1 22.3 33.5





#39
Methylcyclohexane
Concen: 4.120 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

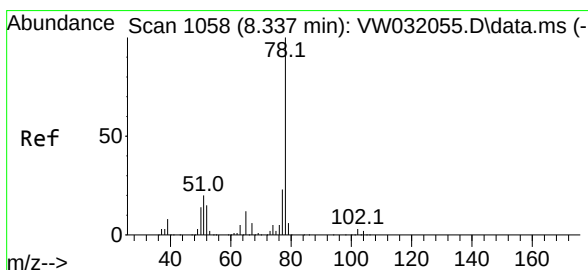
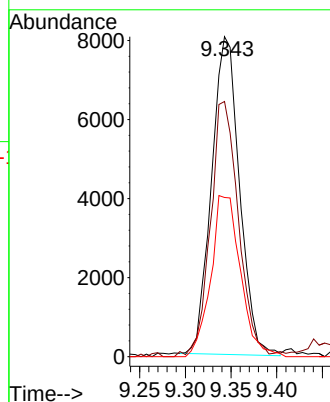
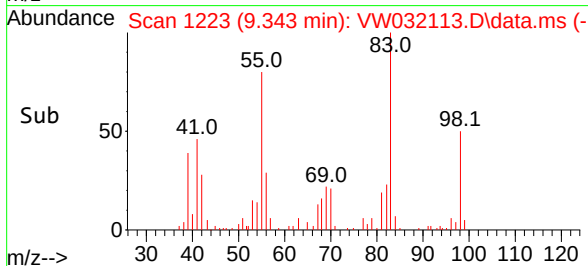
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



Tgt Ion: 83 Resp: 17110
Ion Ratio Lower Upper
83 100
55 79.0 57.9 86.9
98 50.3 38.3 57.5

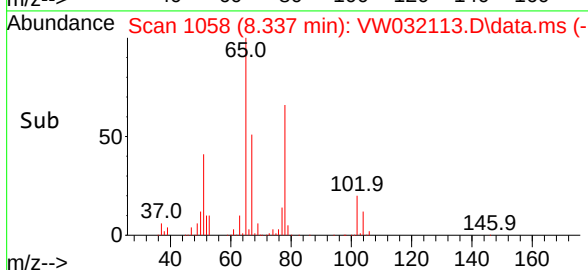
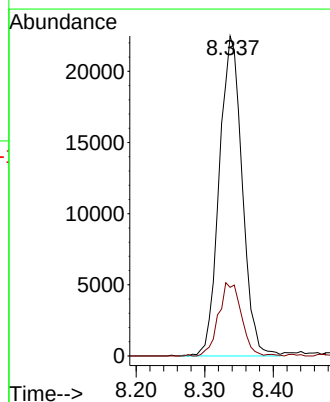
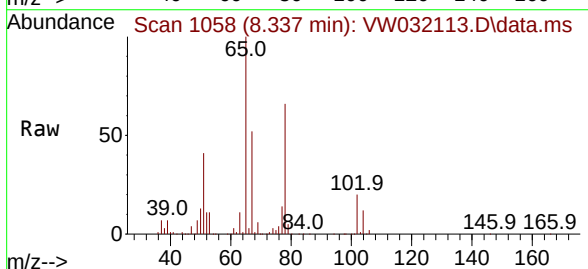
Manual Integrations
APPROVED

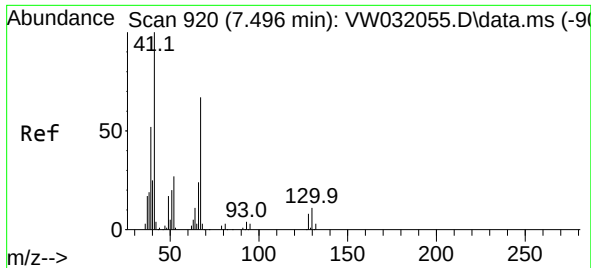
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#40
Benzene
Concen: 4.926 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

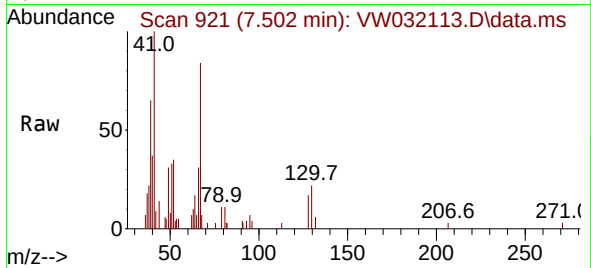
Tgt Ion: 78 Resp: 52169
Ion Ratio Lower Upper
78 100
77 21.5 18.4 27.6





#41
Methacrylonitrile
Concen: 4.673 ug/l
RT: 7.502 min Scan# 918
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

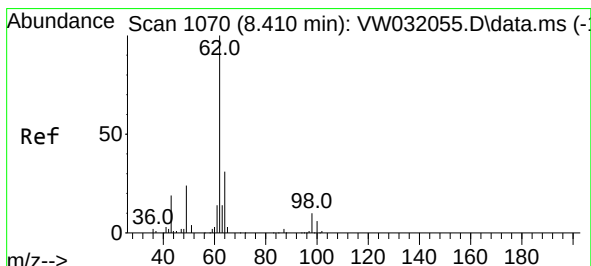
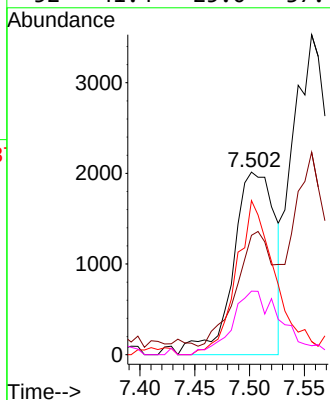
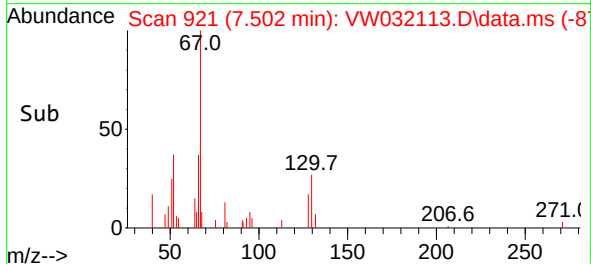
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 41 Resp: 5318
Ion Ratio Lower Upper
41 100
39 56.7 42.6 63.8
67 79.8 61.0 91.4
52 41.4 25.0 37.4#

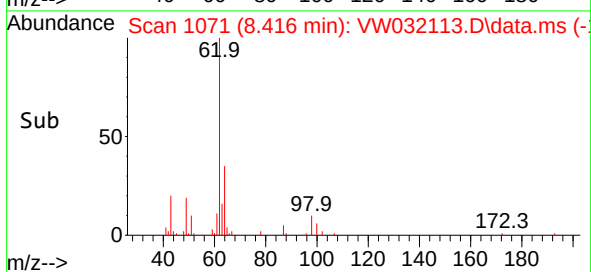
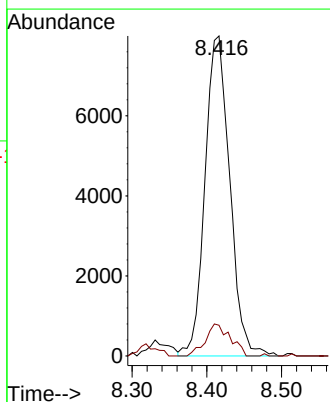
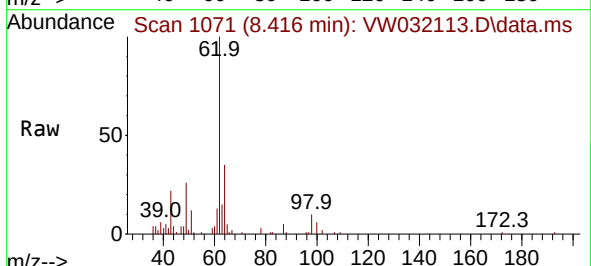
Manual Integrations
APPROVED

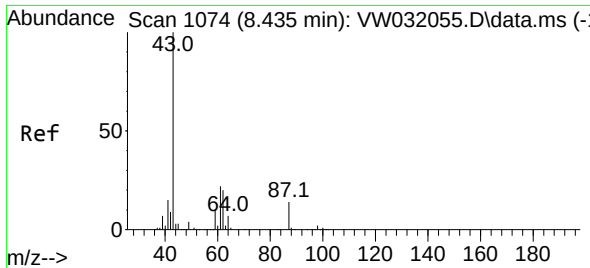
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#42
1,2-Dichloroethane
Concen: 5.441 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

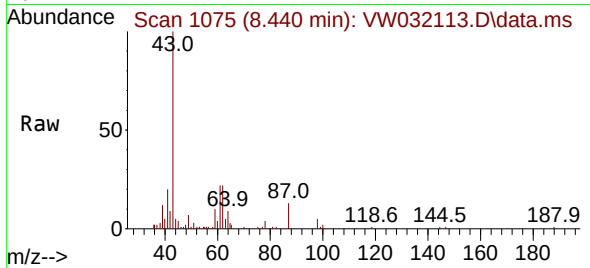
Tgt Ion: 62 Resp: 18439
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.8





#43
Isopropyl Acetate
Concen: 4.627 ug/l
RT: 8.440 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

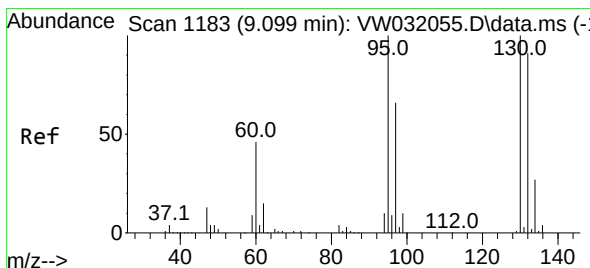
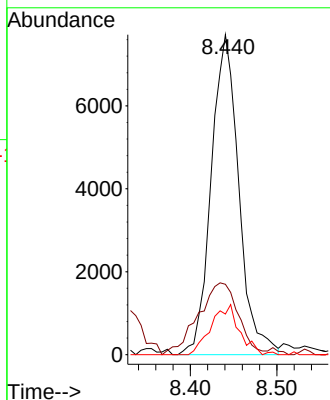
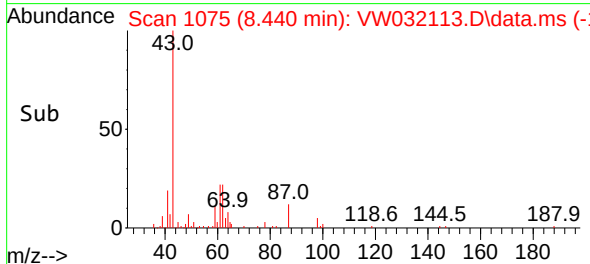
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 43 Resp: 17082
Ion Ratio Lower Upper
43 100
61 32.5 23.8 35.8
87 16.1 11.7 17.5

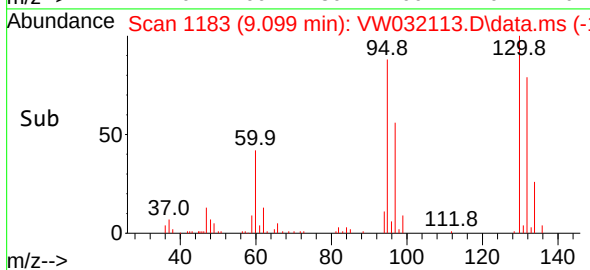
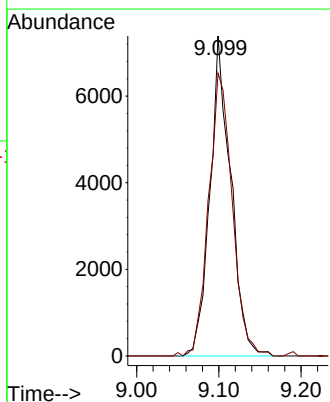
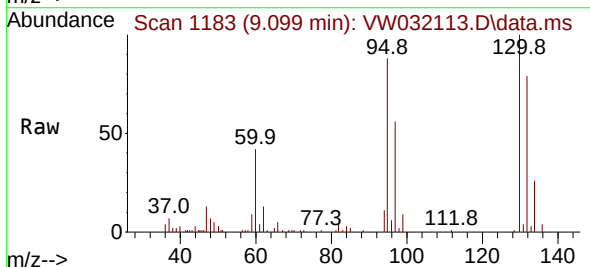
Manual Integrations
APPROVED

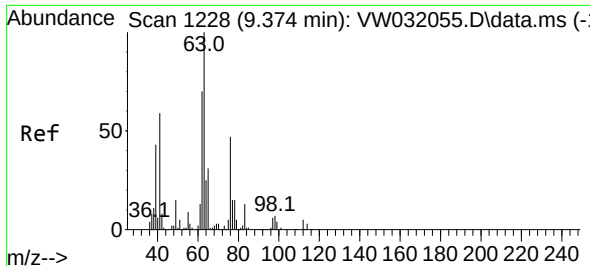
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#44
Trichloroethene
Concen: 5.147 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:130 Resp: 12982
Ion Ratio Lower Upper
130 100
95 87.7 0.0 200.6





#45

1,2-Dichloropropane

Concen: 4.678 ug/l

RT: 9.379 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 63 Resp: 1196

Ion Ratio Lower Upper

63 100

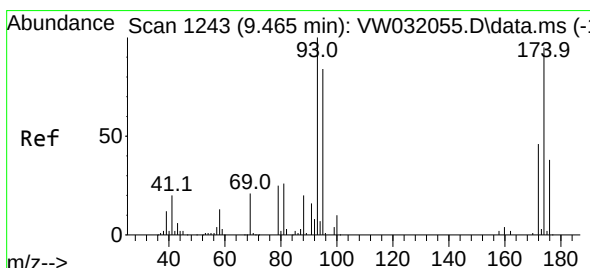
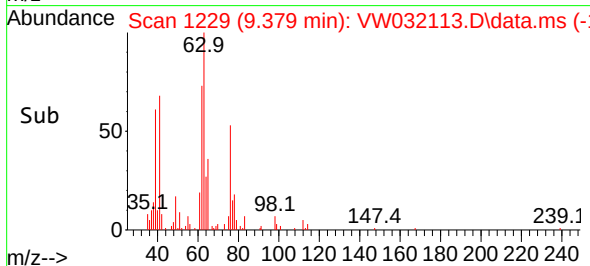
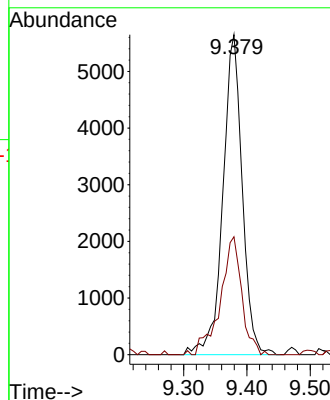
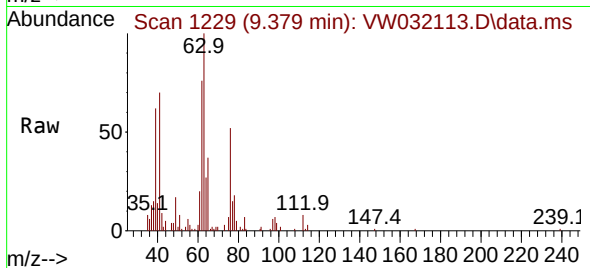
65 36.9 24.6 36.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/25/2025

Supervised By :Mahesh Dadoda 08/25/2025



#46

Dibromomethane

Concen: 5.244 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

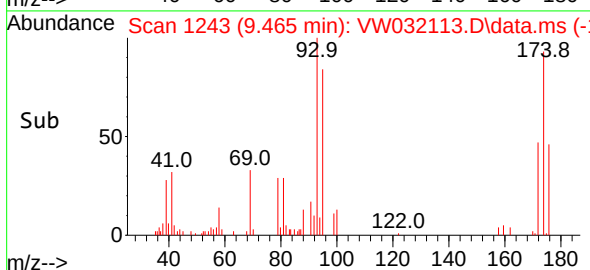
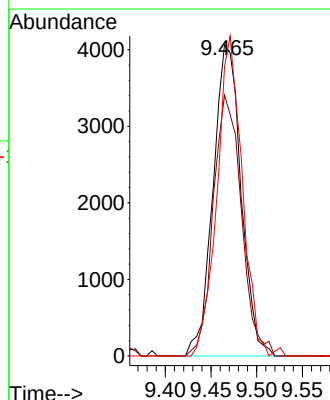
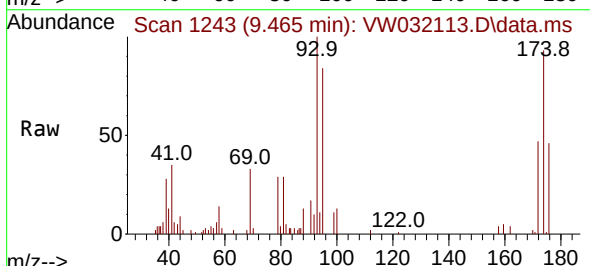
Tgt Ion: 93 Resp: 8660

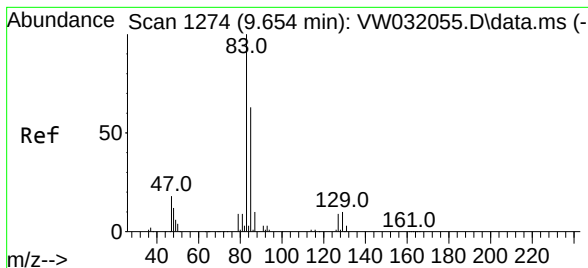
Ion Ratio Lower Upper

93 100

95 84.2 65.3 97.9

174 92.6 68.6 102.8





#47

Bromodichloromethane

Concen: 4.960 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

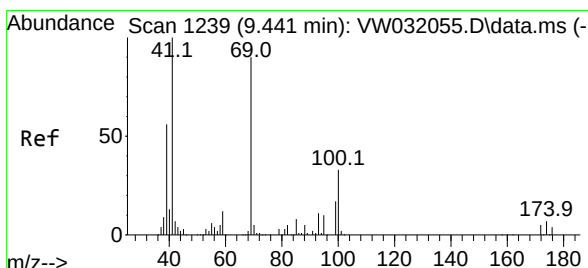
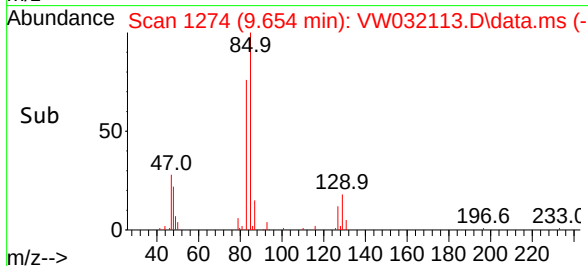
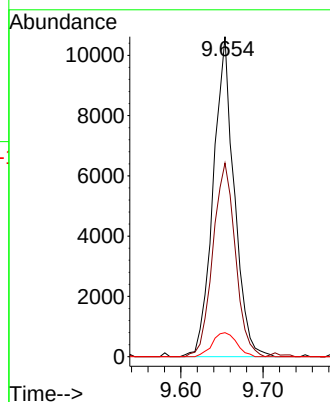
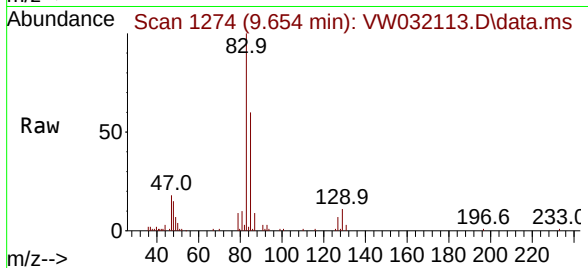
LOQ-SOIL-02-QT3-2025

Tgt Ion:	83	Resp:	1887
Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.6	75.8
127	7.5	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#48

Methyl methacrylate

Concen: 4.340 ug/l

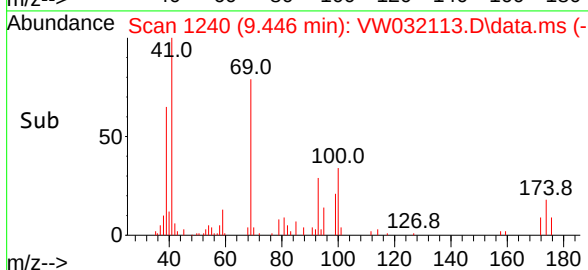
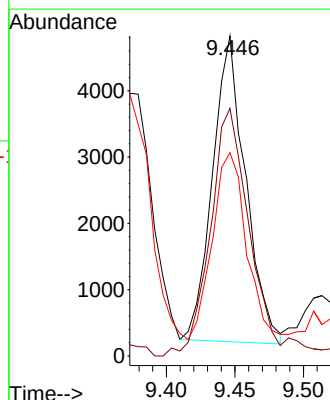
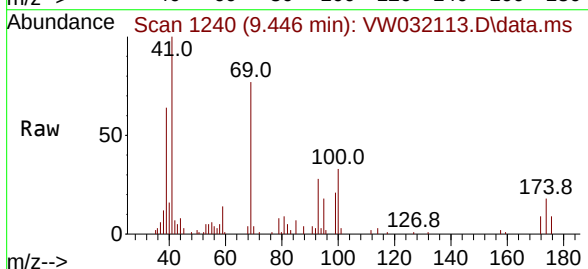
RT: 9.446 min Scan# 1240

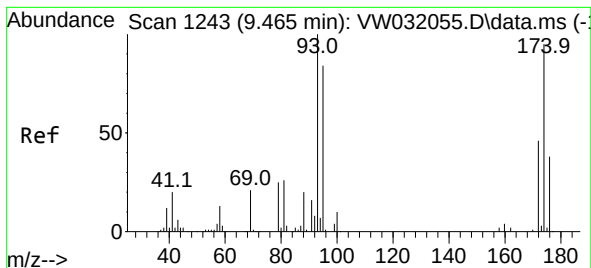
Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:	41	Resp:	7736
Ion	Ratio	Lower	Upper
41	100		
69	98.3	73.0	109.6
39	72.1	45.0	67.4





#49

1,4-Dioxane

Concen: 81.254 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

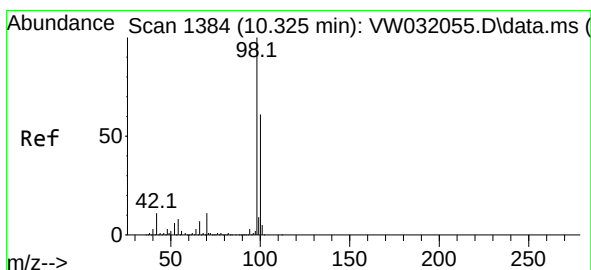
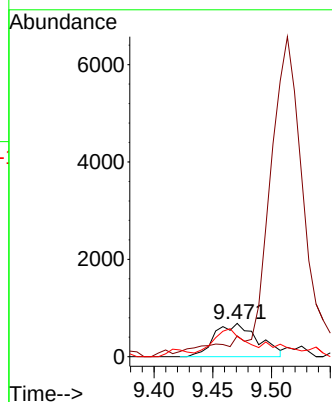
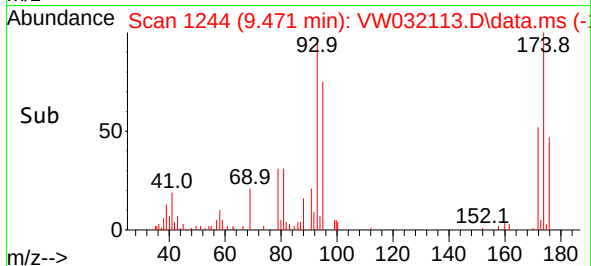
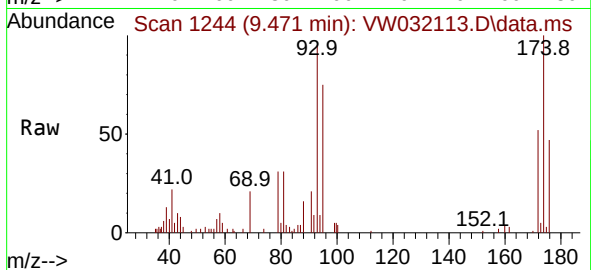
LOQ-SOIL-02-QT3-2025

Tgt Ion: 88 Resp: 1738
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.6 30.8
 58 49.5 60.4 90.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#50

Toluene-d8

Concen: 48.367 ug/l

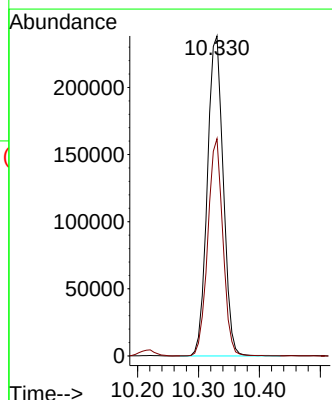
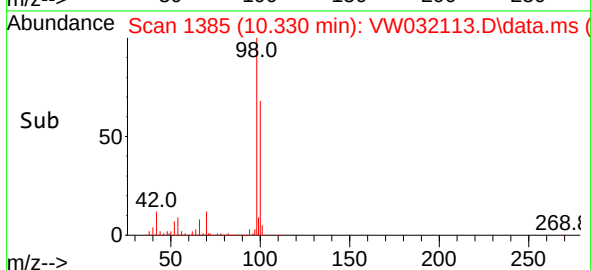
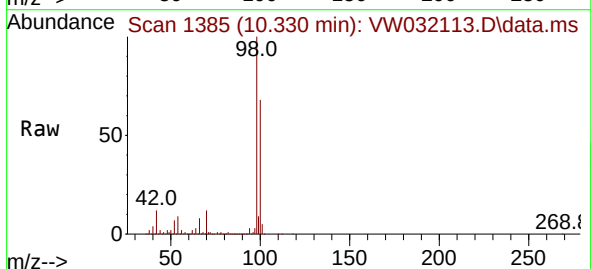
RT: 10.330 min Scan# 1385

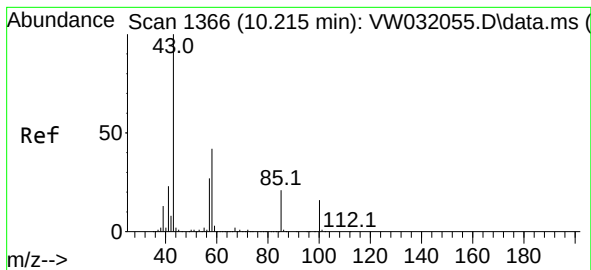
Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

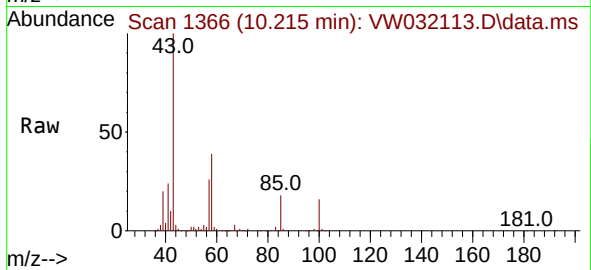
Tgt Ion: 98 Resp: 432402
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.1 76.7





#51
4-Methyl-2-Pentanone
Concen: 23.549 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

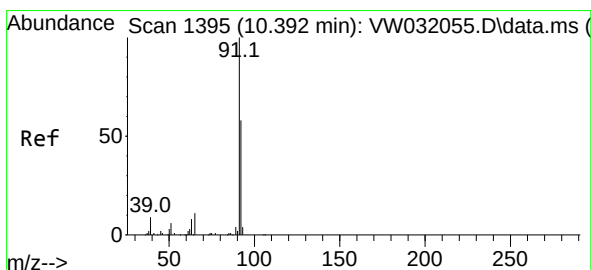
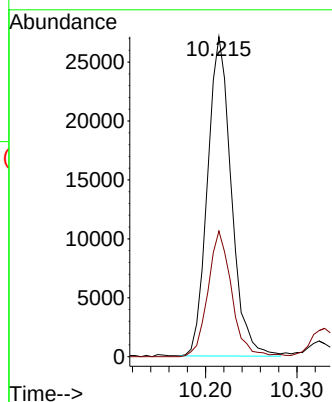
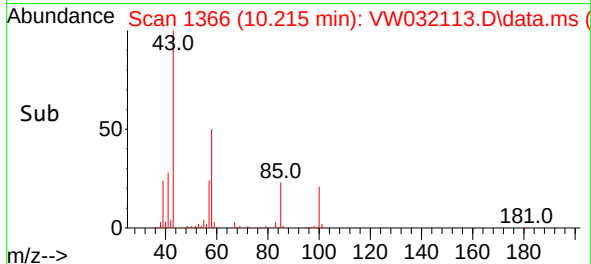
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 43 Resp: 49075
Ion Ratio Lower Upper
43 100
58 39.1 33.1 49.7

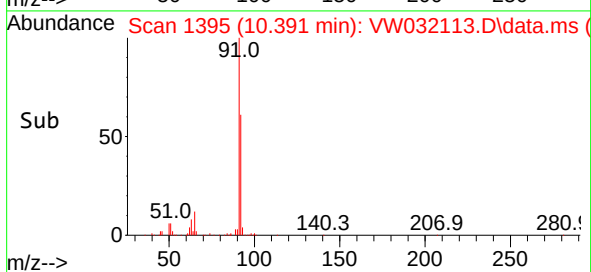
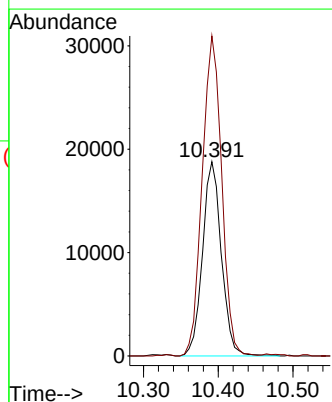
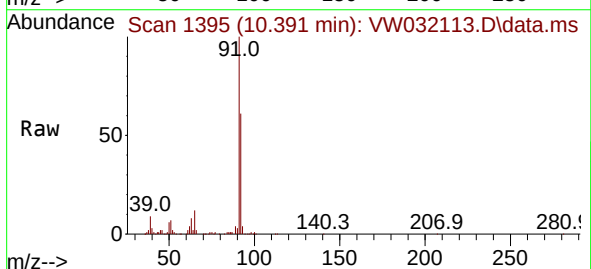
Manual Integrations
APPROVED

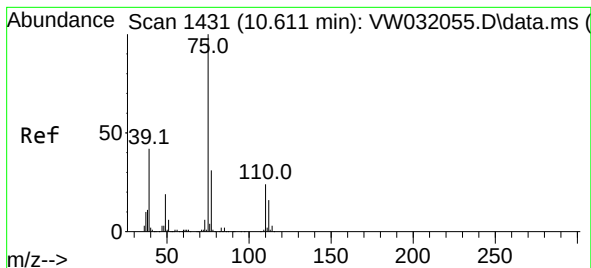
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#52
Toluene
Concen: 4.940 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

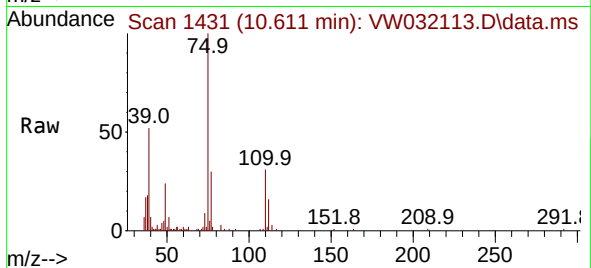
Tgt Ion: 92 Resp: 32956
Ion Ratio Lower Upper
92 100
91 170.0 136.3 204.5





#53
t-1,3-Dichloropropene
Concen: 4.276 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

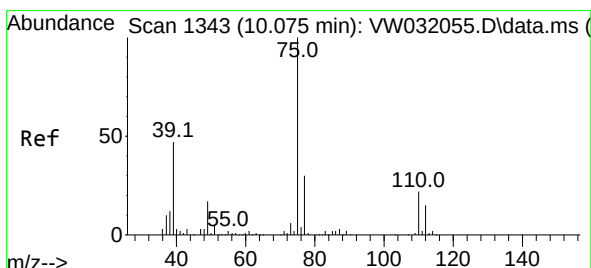
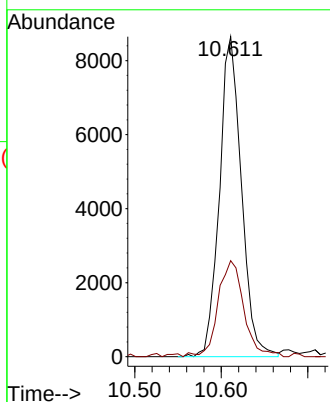
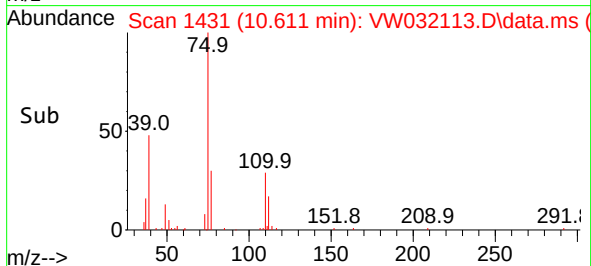
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



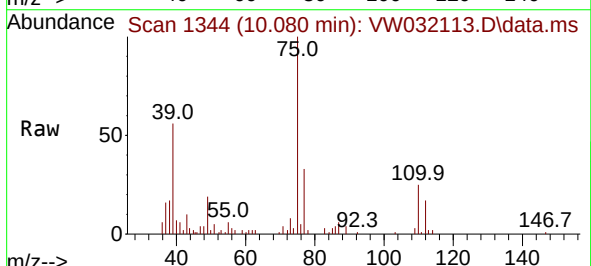
Tgt Ion: 75 Resp: 1524
Ion Ratio Lower Upper
75 100
77 29.1 25.0 37.6

Manual Integrations
APPROVED

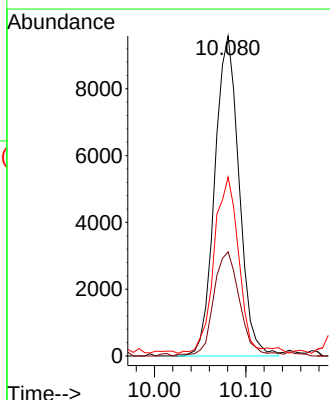
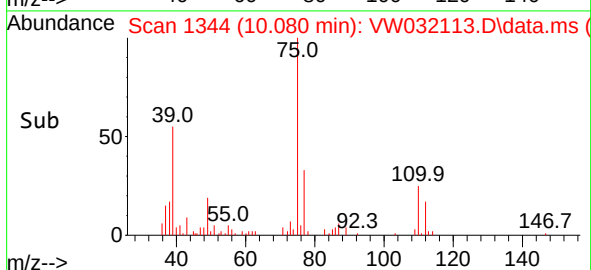
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

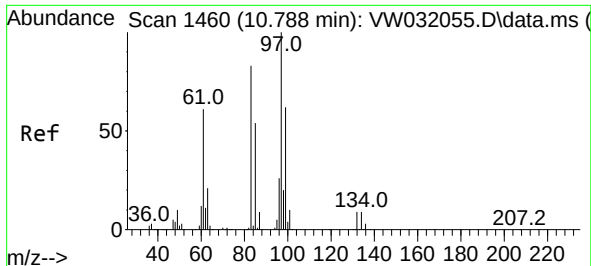


#54
cis-1,3-Dichloropropene
Concen: 4.397 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



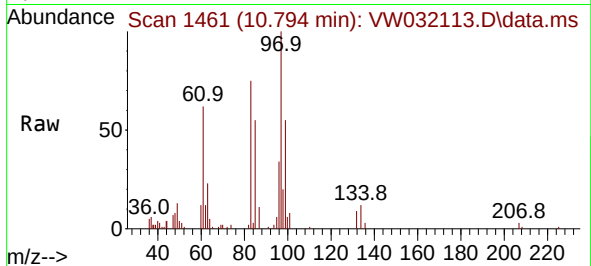
Tgt Ion: 75 Resp: 17784
Ion Ratio Lower Upper
75 100
77 32.0 24.0 36.0
39 53.3 37.8 56.8





#55
1,1,2-Trichloroethane
Concen: 5.227 ug/l
RT: 10.794 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

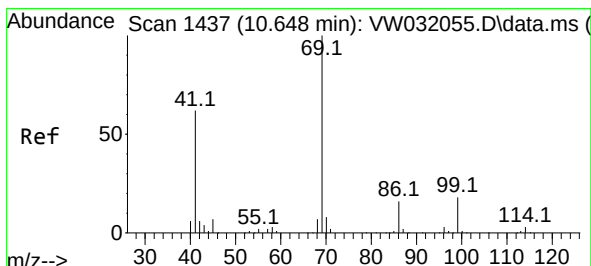
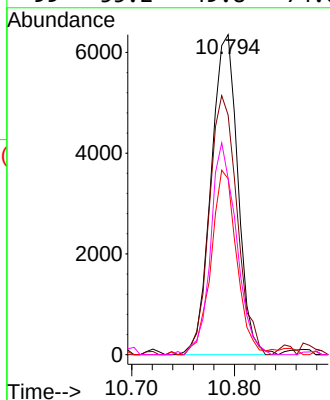
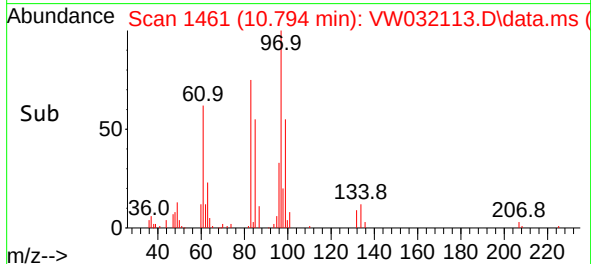
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



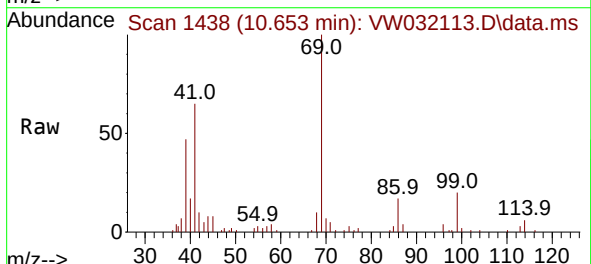
Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.9	66.4	99.6
85	55.0	43.1	64.7
99	55.2	49.8	74.6

Manual Integrations
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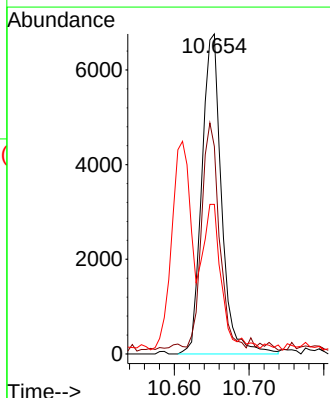
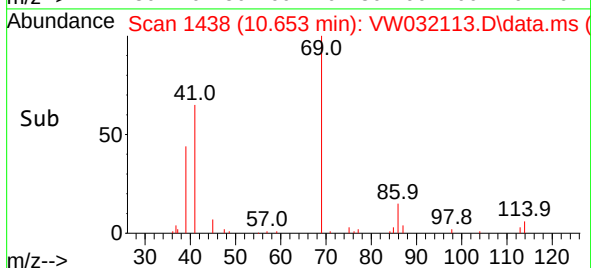
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

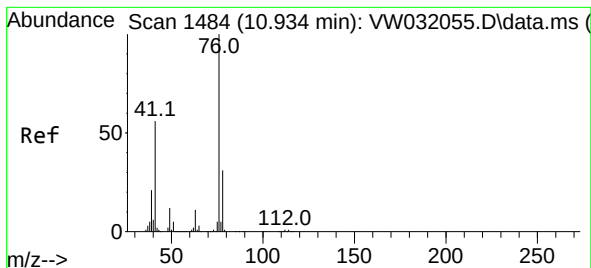


#56
Ethyl methacrylate
Concen: 4.219 ug/l
RT: 10.653 min Scan# 1438
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



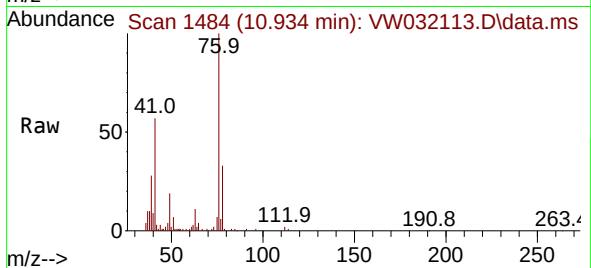
Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.2	76.8
39	43.1	25.4	38.0





#57
1,3-Dichloropropane
Concen: 4.906 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

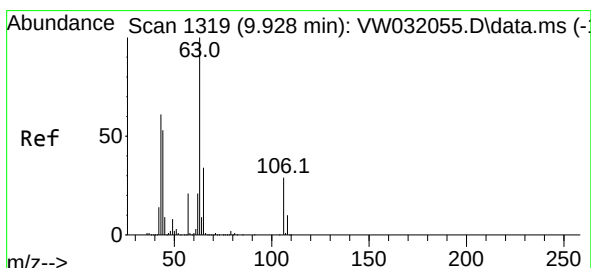
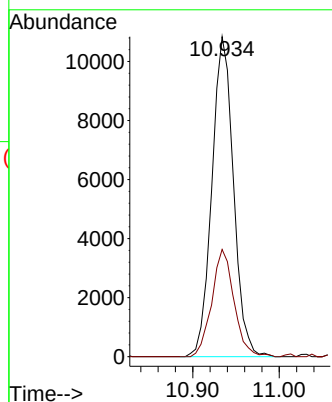
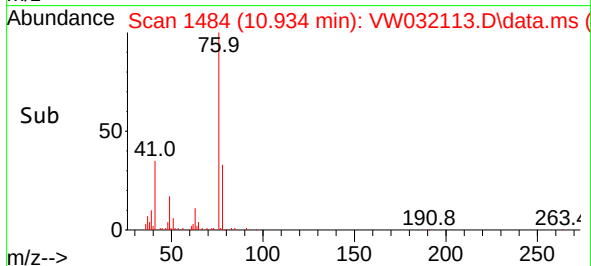
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



Tgt Ion: 76 Resp: 18760
Ion Ratio Lower Upper
76 100
78 34.6 25.8 38.6

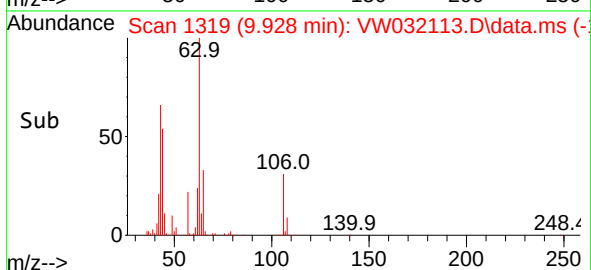
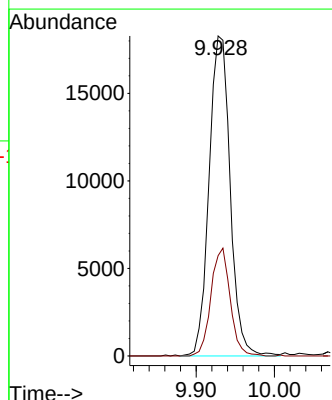
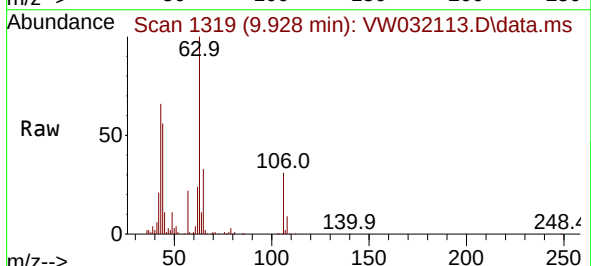
Manual Integrations
APPROVED

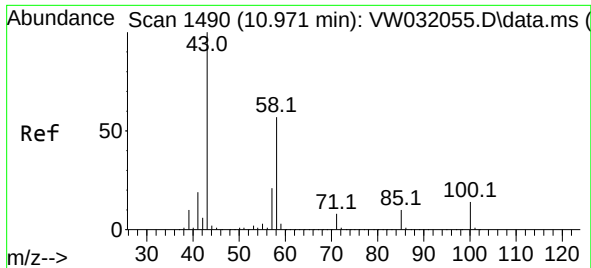
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#58
2-Chloroethyl Vinyl ether
Concen: 21.043 ug/l
RT: 9.928 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

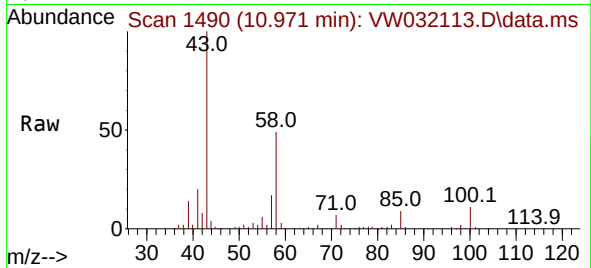
Tgt Ion: 63 Resp: 34181
Ion Ratio Lower Upper
63 100
106 30.6 23.5 35.3





#59
2-Hexanone
Concen: 23.572 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

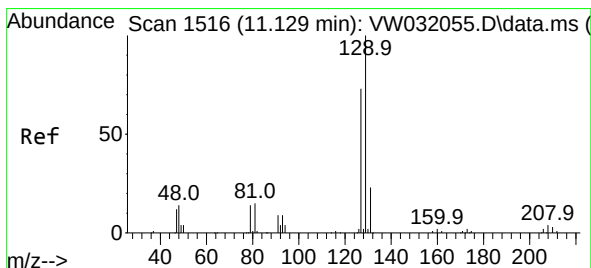
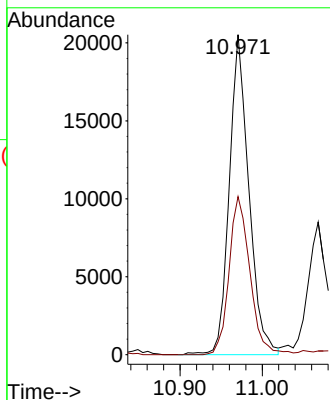
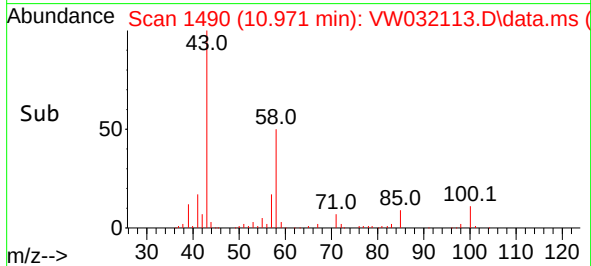
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 43 Resp: 3402
Ion Ratio Lower Upper
43 100
58 52.7 28.3 85.0

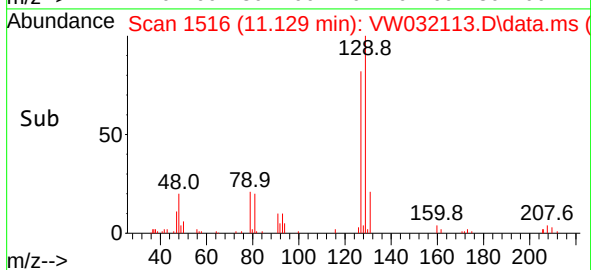
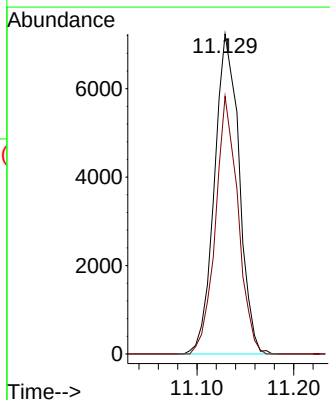
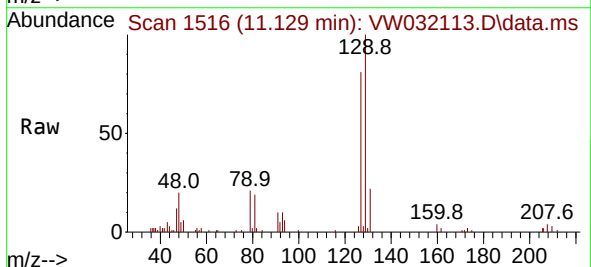
Manual Integrations
APPROVED

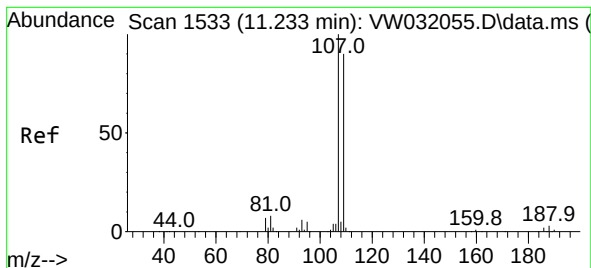
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#60
Dibromochloromethane
Concen: 5.119 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

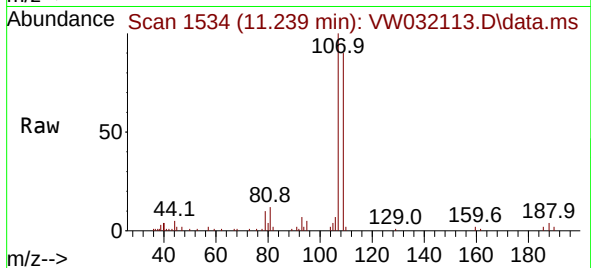
Tgt Ion:129 Resp: 12832
Ion Ratio Lower Upper
129 100
127 73.3 39.0 116.9





#61
1,2-Dibromoethane
Concen: 5.219 ug/l
RT: 11.239 min Scan# 11130
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

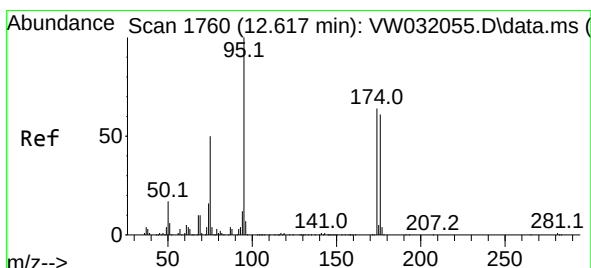
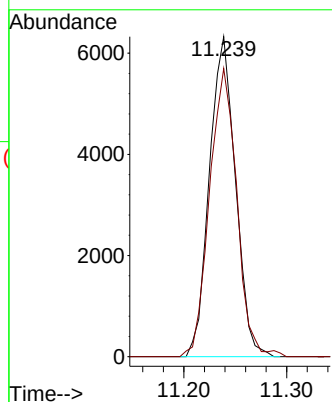
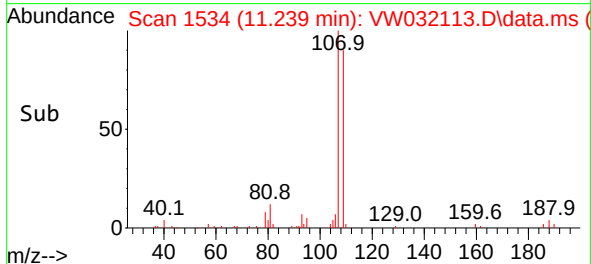
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



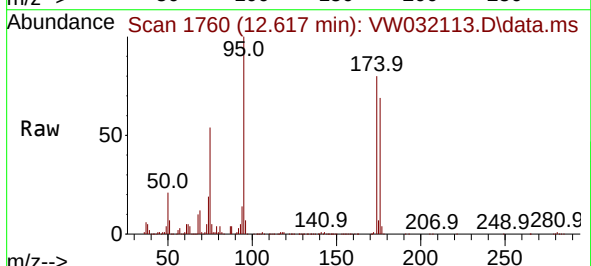
Tgt Ion:107 Resp: 11130
Ion Ratio Lower Upper
107 100
109 94.1 74.2 111.4

Manual Integrations
APPROVED

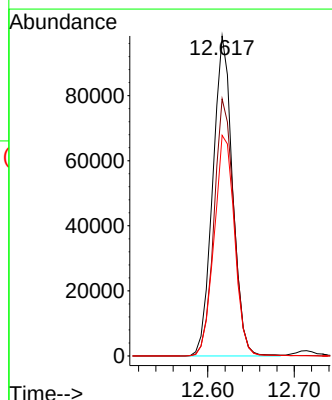
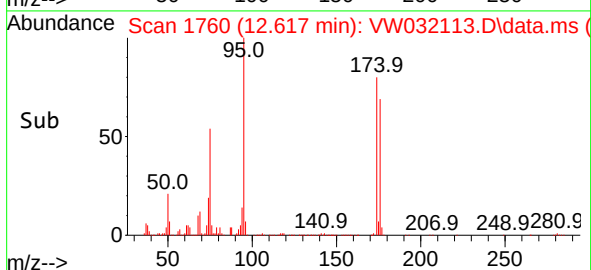
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

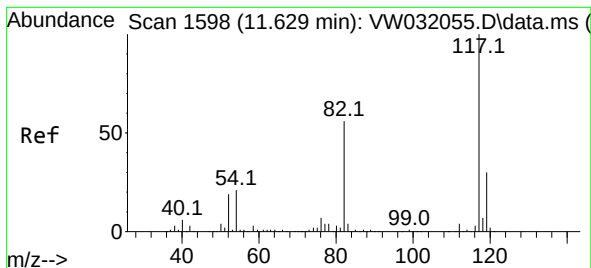


#62
4-Bromofluorobenzene
Concen: 47.337 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



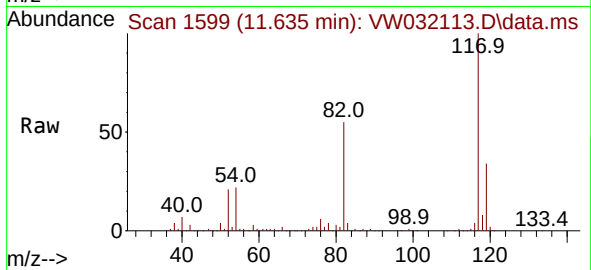
Tgt Ion: 95 Resp: 155951
Ion Ratio Lower Upper
95 100
174 80.5 0.0 129.0
176 71.3 0.0 124.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11635
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

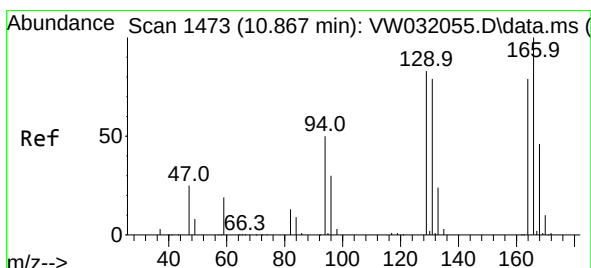
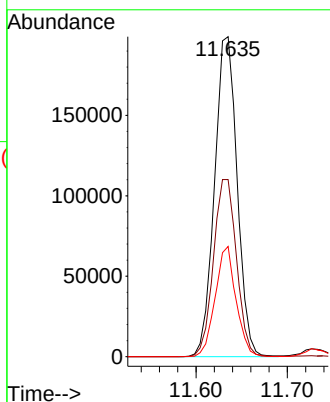
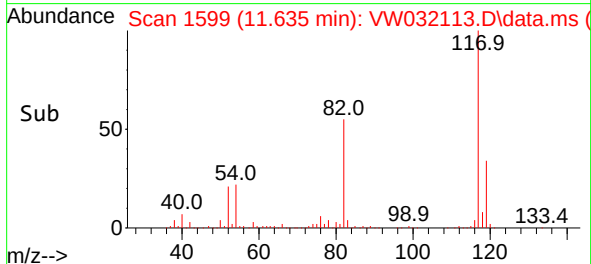
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion:117 Resp: 34214
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 34.4 24.2 36.4

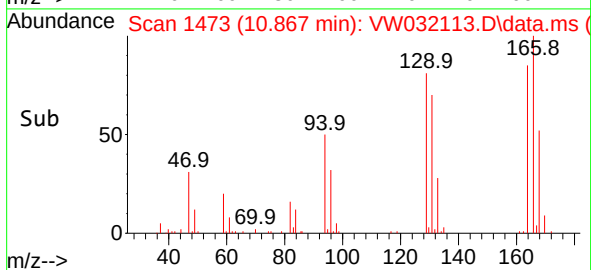
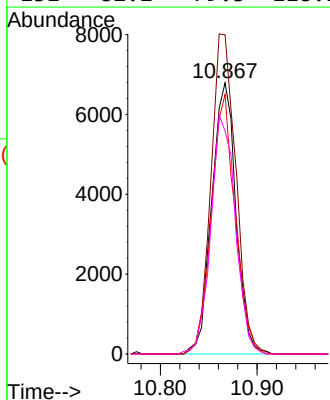
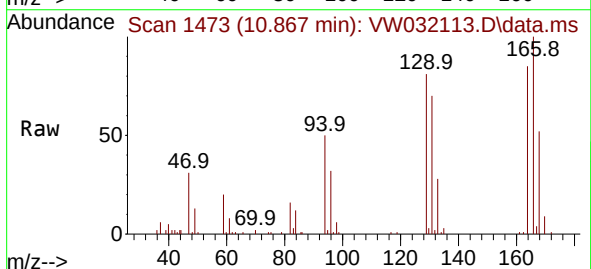
Manual Integrations
APPROVED

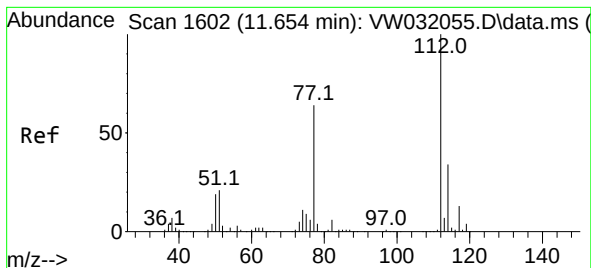
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#64
Tetrachloroethene
Concen: 5.972 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

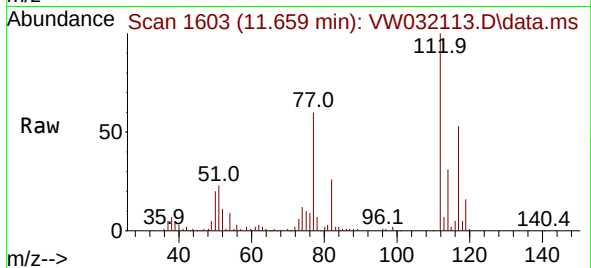
Tgt Ion:164 Resp: 11802
Ion Ratio Lower Upper
164 100
166 117.7 100.9 151.3
129 95.7 83.6 125.4
131 82.2 79.3 118.9





#65
Chlorobenzene
Concen: 5.033 ug/l
RT: 11.659 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

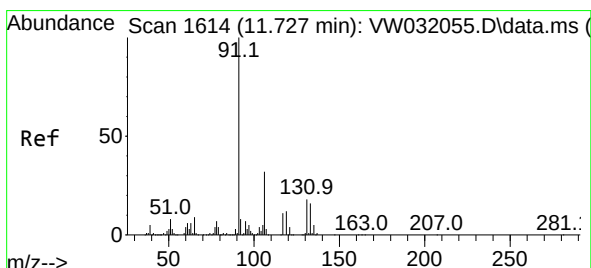
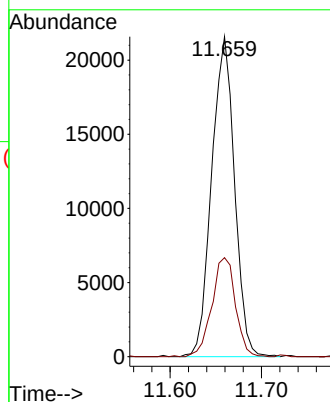
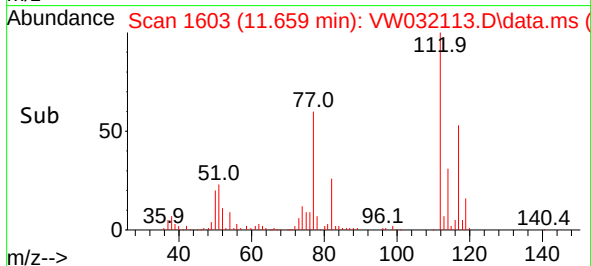
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



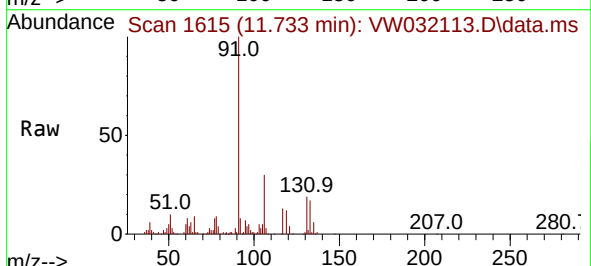
Tgt Ion:112 Resp: 37479
Ion Ratio Lower Upper
112 100
114 30.4 26.9 40.3

Manual Integrations
APPROVED

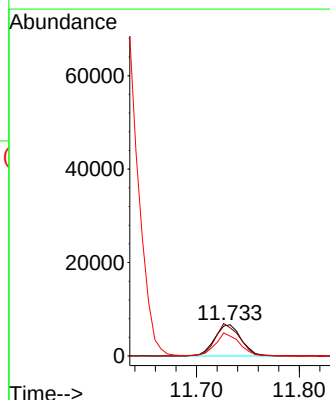
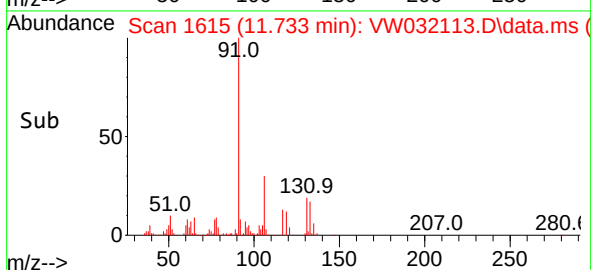
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

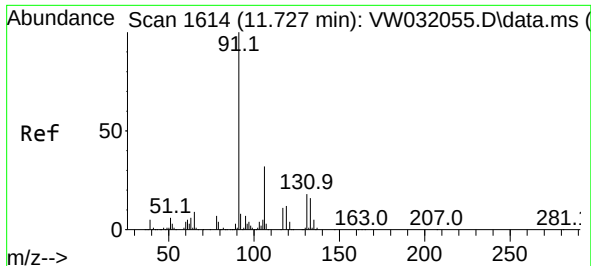


#66
1,1,1,2-Tetrachloroethane
Concen: 5.161 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



Tgt Ion:131 Resp: 11991
Ion Ratio Lower Upper
131 100
133 95.5 47.3 142.0
119 67.2 34.5 103.5





#67

Ethyl Benzene

Concen: 4.643 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 91 Resp: 5856

Ion Ratio Lower Upper

91 100

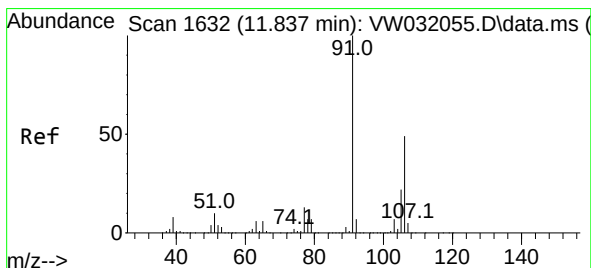
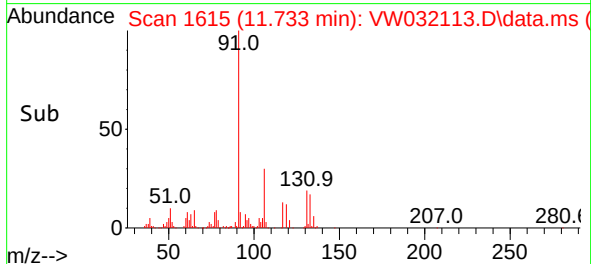
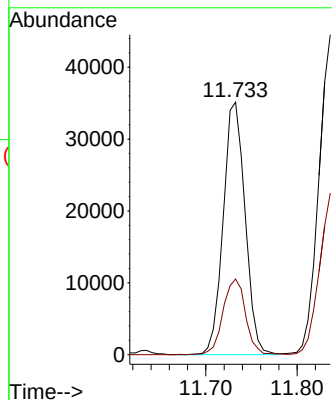
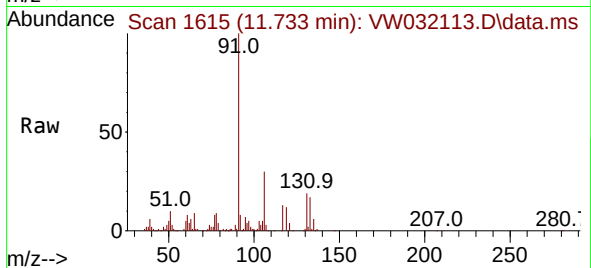
106 29.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025

Supervised By :Mahesh Dadoda 08/25/2025



#68

m/p-Xylenes

Concen: 9.056 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032113.D

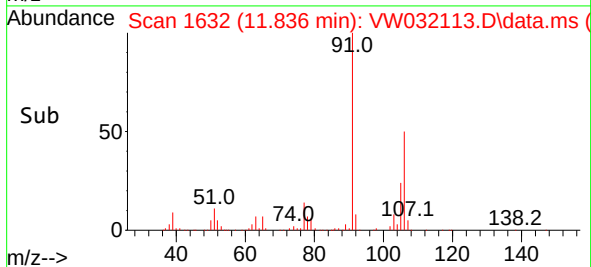
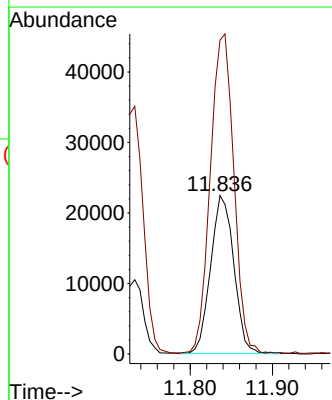
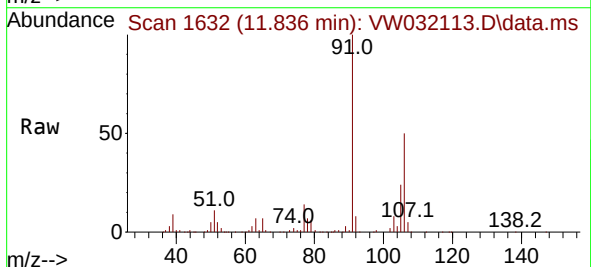
Acq: 22 Aug 2025 16:07

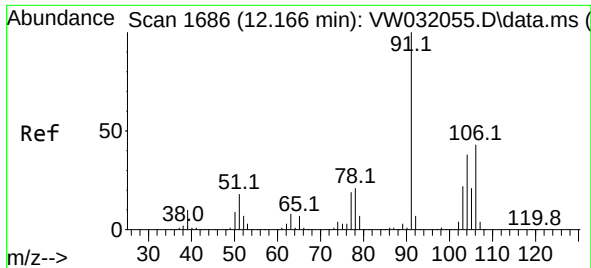
Tgt Ion:106 Resp: 44081

Ion Ratio Lower Upper

106 100

91 204.3 162.2 243.2





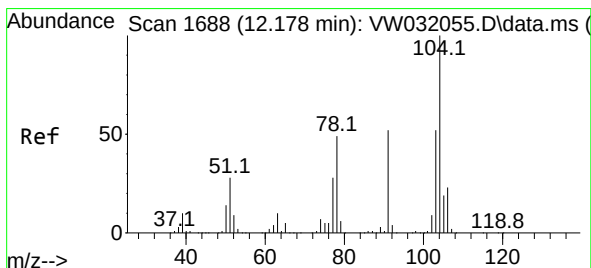
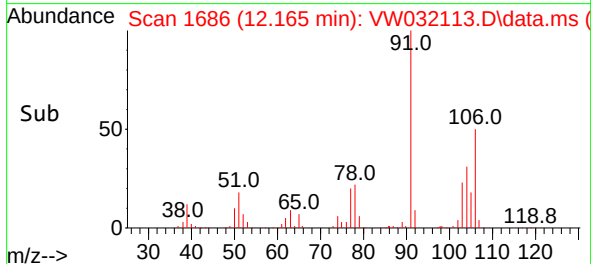
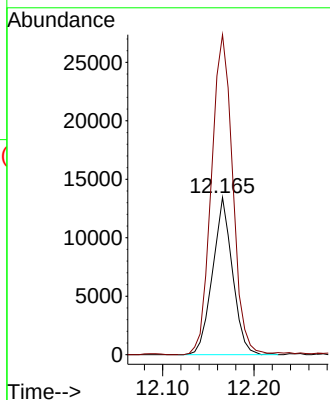
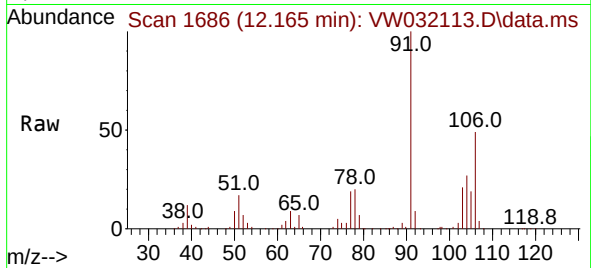
#69
o-Xylene
Concen: 4.518 ug/l
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:106 Resp: 20320
Ion Ratio Lower Upper
106 100
91 218.1 110.8 332.3

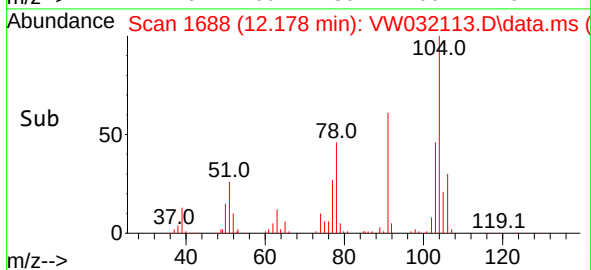
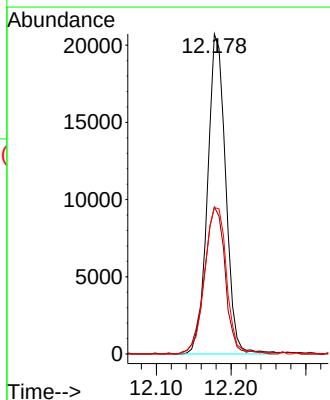
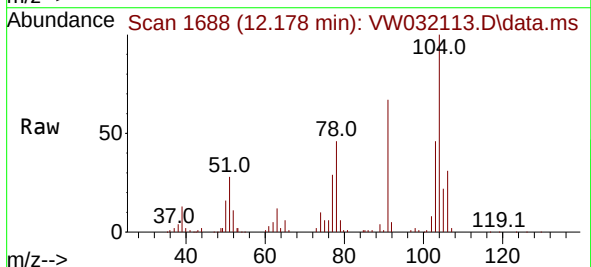
Manual Integrations
APPROVED

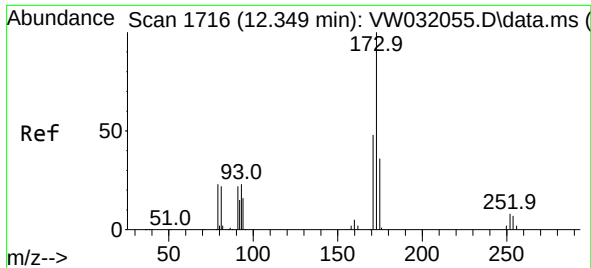
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#70
Styrene
Concen: 4.377 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

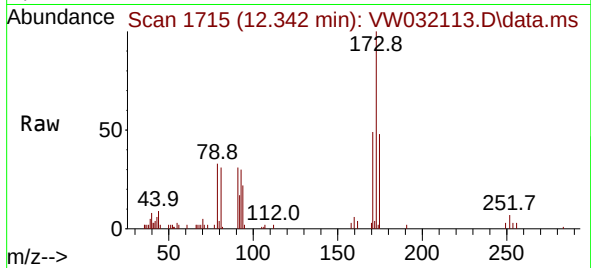
Tgt Ion:104 Resp: 34976
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 55.1 43.8 65.8





#71
Bromoform
Concen: 5.559 ug/l
RT: 12.342 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

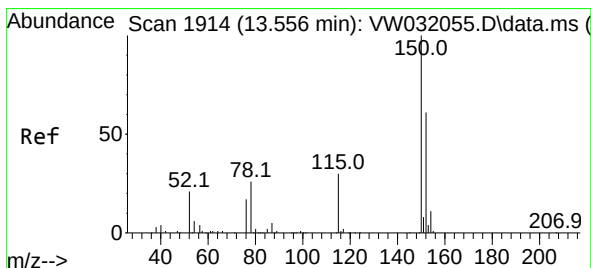
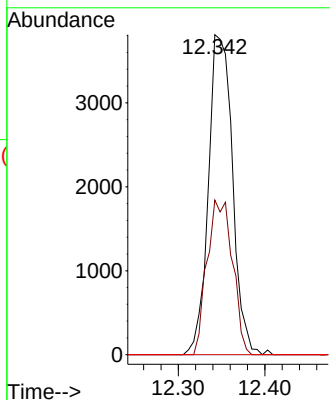
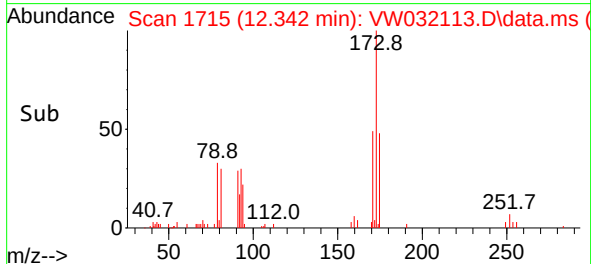
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



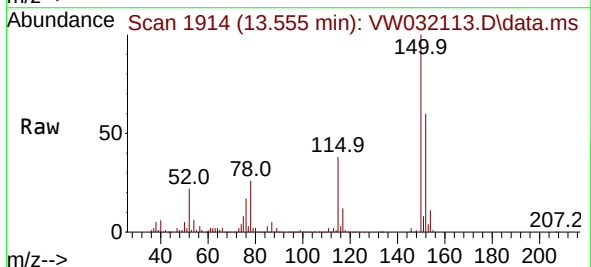
Tgt Ion:173 Resp: 7389
Ion Ratio Lower Upper
173 100
175 50.9 22.9 68.7
254 0.0 0.0 0.0

Manual Integrations
APPROVED

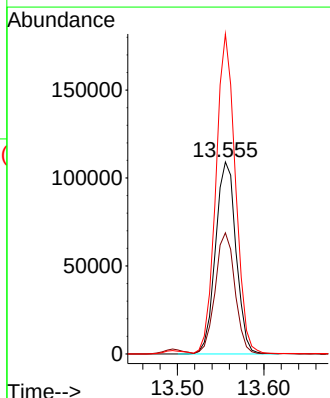
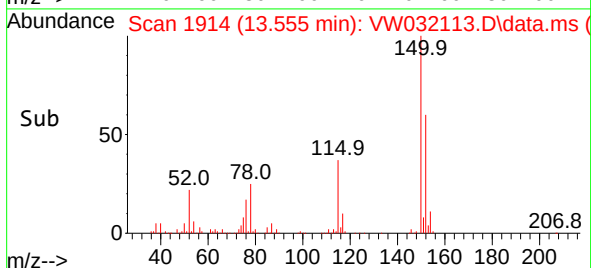
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

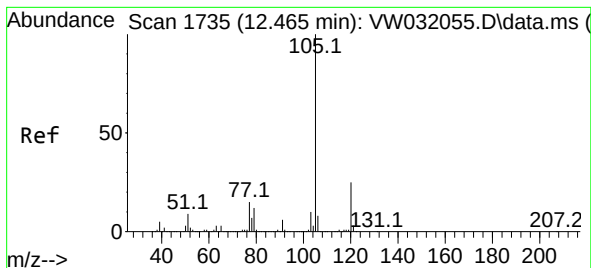


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



Tgt Ion:152 Resp: 179477
Ion Ratio Lower Upper
152 100
115 61.1 32.6 97.8
150 158.3 0.0 359.4





#73

Isopropylbenzene

Concen: 4.038 ug/l

RT: 12.464 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

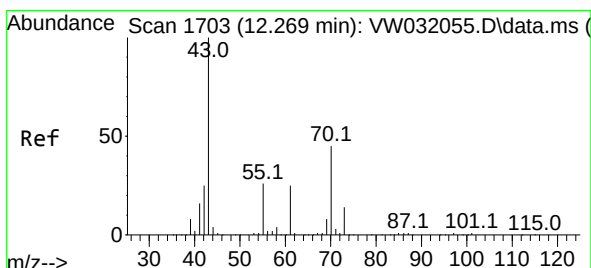
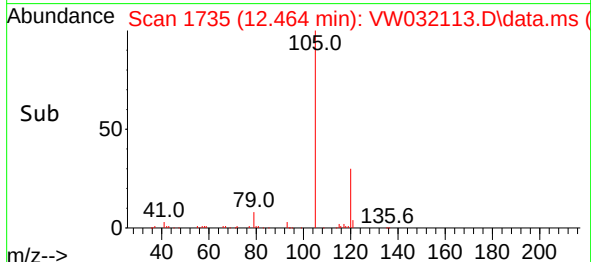
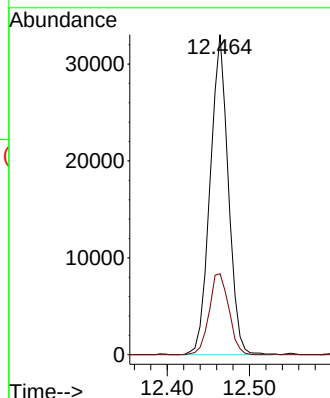
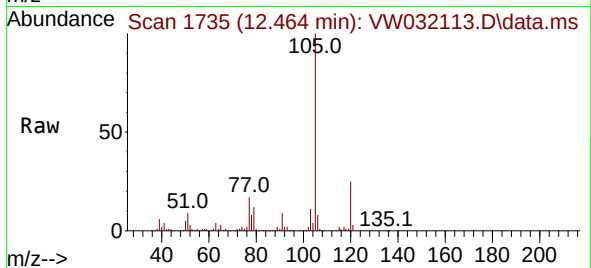
LOQ-SOIL-02-QT3-2025

Tgt Ion:	105	Resp:	50649
Ion Ratio	Lower	Upper	
105	100		
120	27.4	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#74

N-ethyl acetate

Concen: 4.131 ug/l

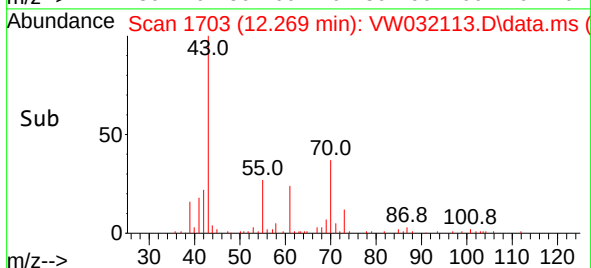
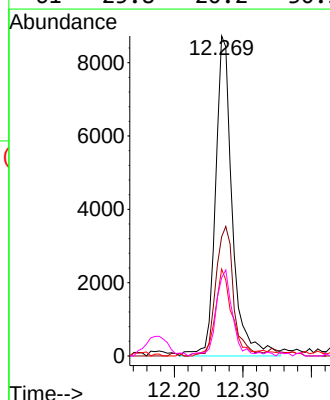
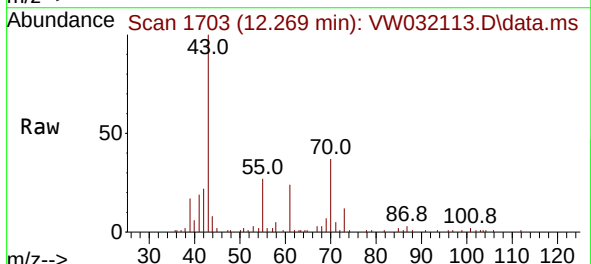
RT: 12.269 min Scan# 1703

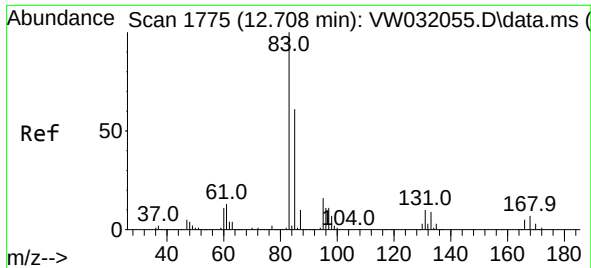
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

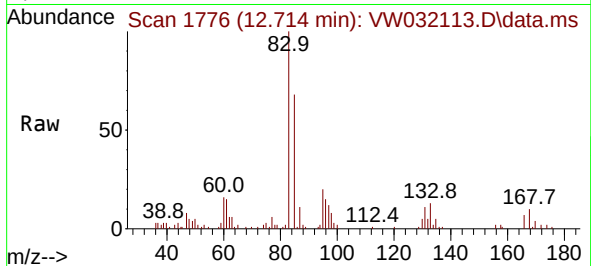
Tgt Ion:	43	Resp:	14867
Ion Ratio	Lower	Upper	
43	100		
70	42.6	37.0	55.4
55	26.9	21.1	31.7
61	25.8	20.2	30.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.685 ug/l
RT: 12.714 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

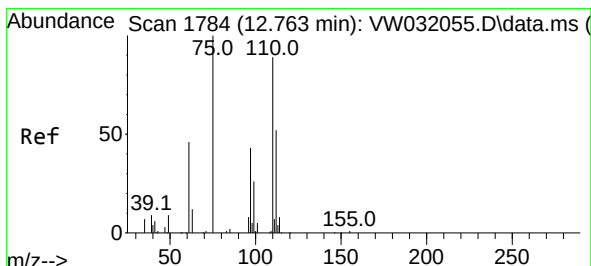
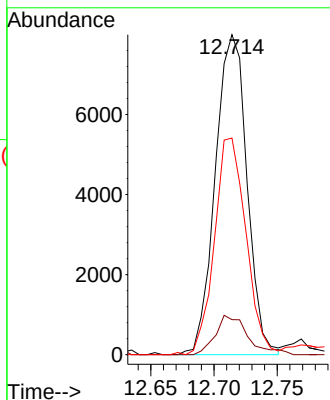
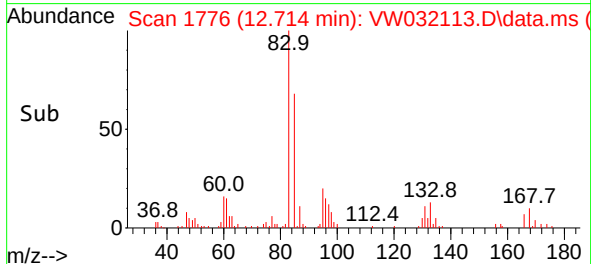
Instrument : MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



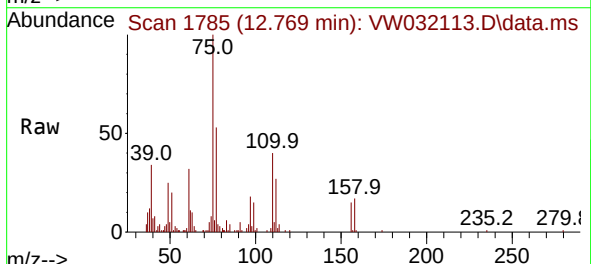
Tgt Ion: 83 Resp: 1395
Ion Ratio Lower Upper
83 100
131 12.5 5.1 15.4
85 67.1 32.2 96.6

Manual Integrations
APPROVED

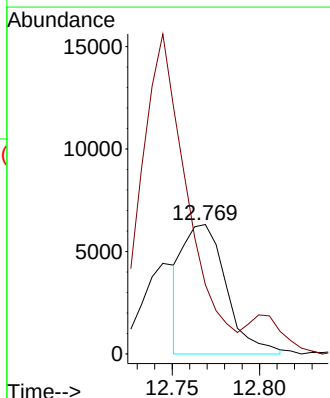
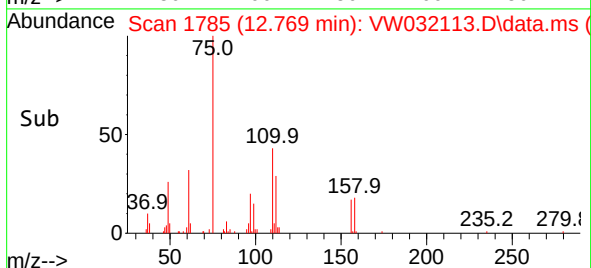
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

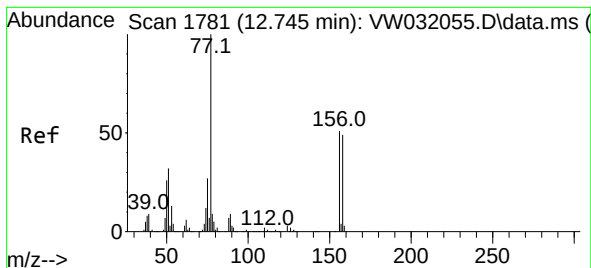


#76
1,2,3-Trichloropropane
Concen: 4.447 ug/l m
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



Tgt Ion: 75 Resp: 10832
Ion Ratio Lower Upper
75 100
77 0.0 123.5 370.5#





#77

Bromobenzene

Concen: 5.014 ug/l

RT: 12.751 min Scan# 1781

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

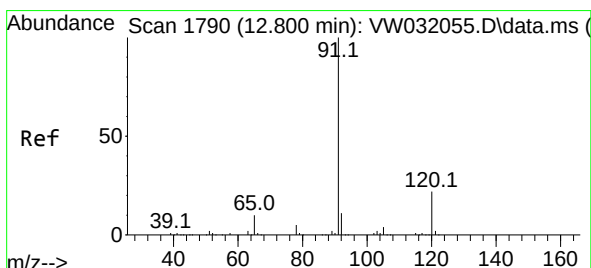
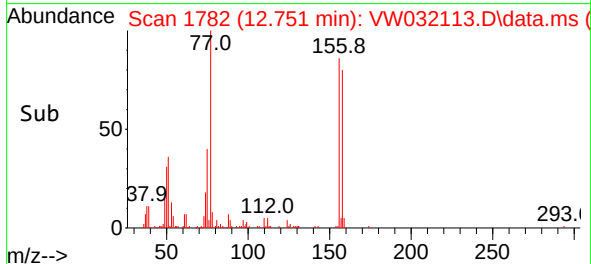
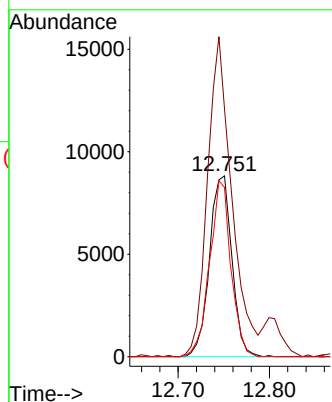
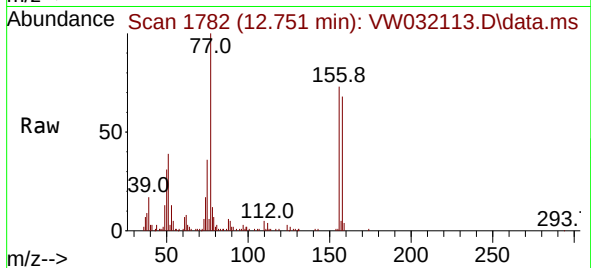
LOQ-SOIL-02-QT3-2025

Tgt Ion:	156	Resp:	15020
Ion Ratio	Lower	Upper	
156	100		
77	191.3	108.7	326.3
158	92.6	48.3	144.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#78

n-propylbenzene

Concen: 4.243 ug/l

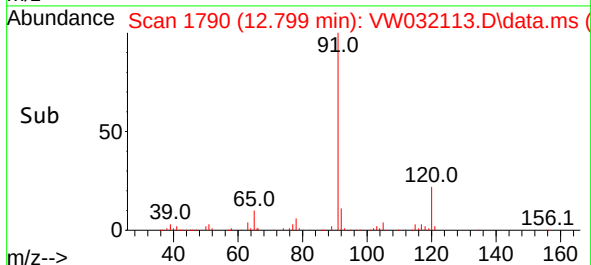
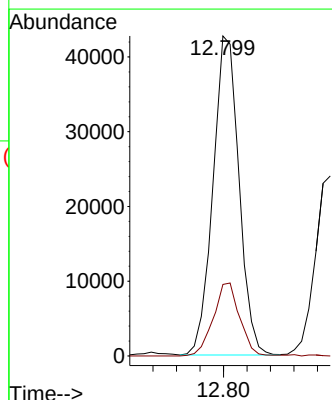
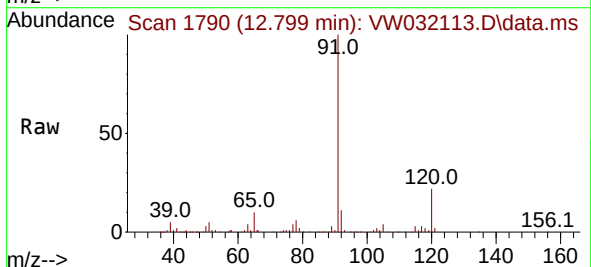
RT: 12.799 min Scan# 1790

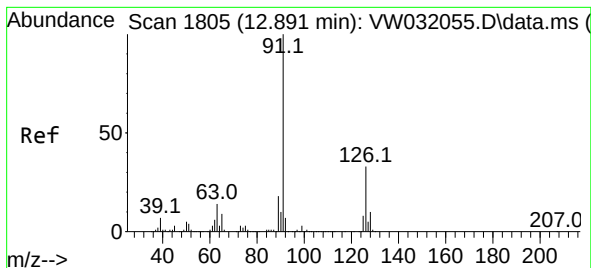
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

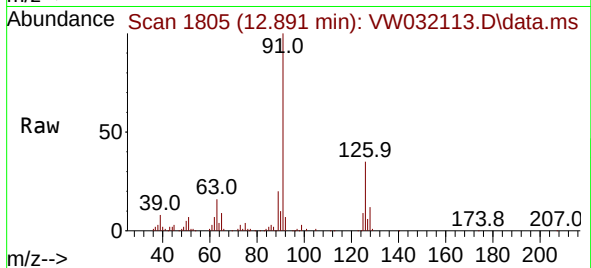
Tgt Ion:	91	Resp:	65528
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.1	33.3





#79
2-Chlorotoluene
Concen: 4.094 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

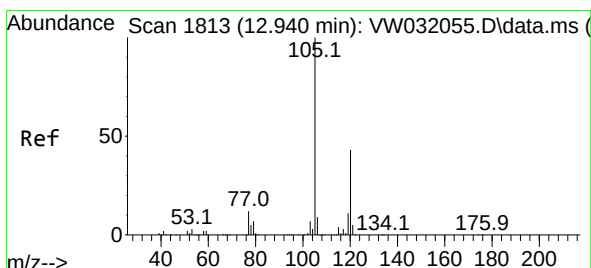
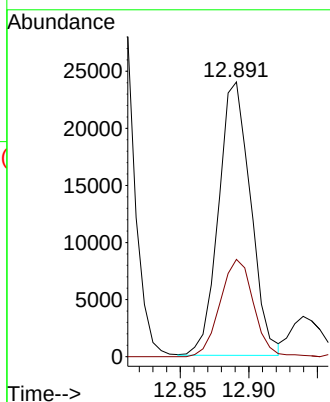
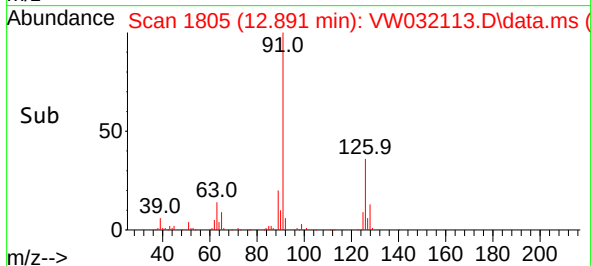
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



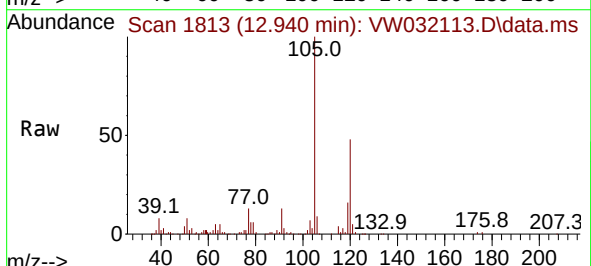
Tgt Ion: 91 Resp: 39020
Ion Ratio Lower Upper
91 100
126 37.2 15.9 47.7

Manual Integrations
APPROVED

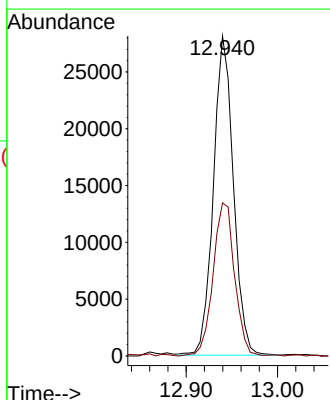
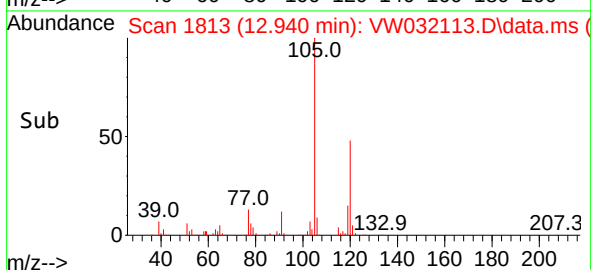
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

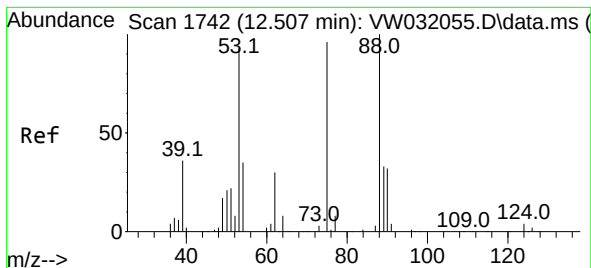


#80
1,3,5-Trimethylbenzene
Concen: 4.006 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



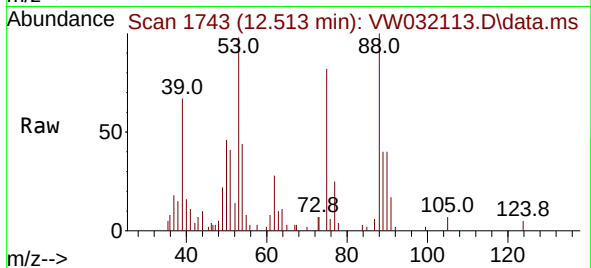
Tgt Ion:105 Resp: 42658
Ion Ratio Lower Upper
105 100
120 51.9 23.4 70.0





#81
trans-1,4-Dichloro-2-butene
Concen: 3.801 ug/l
RT: 12.513 min Scan# 1742
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

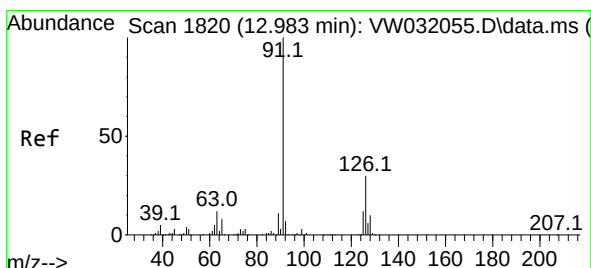
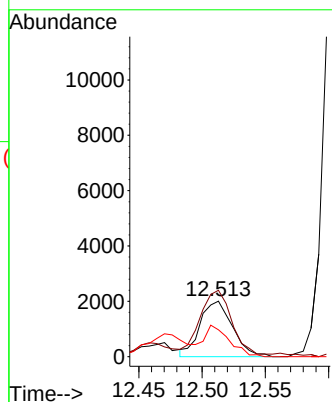
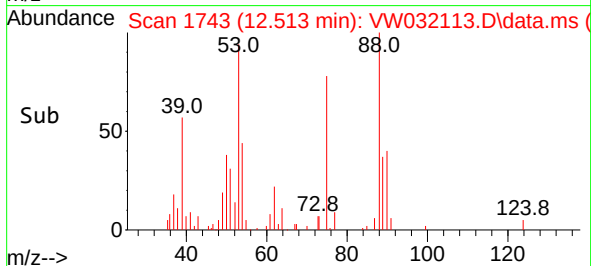
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



Tgt Ion: 75 Resp: 3570
Ion Ratio Lower Upper
75 100
53 110.5 81.0 121.6
89 43.2 37.3 55.9

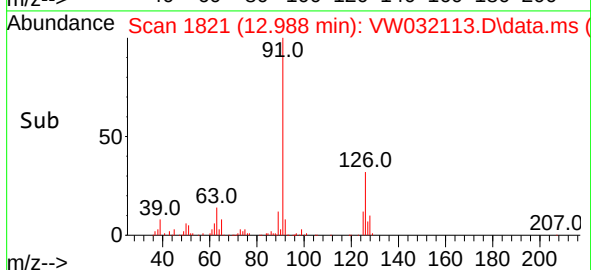
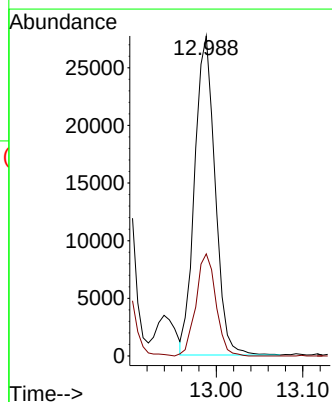
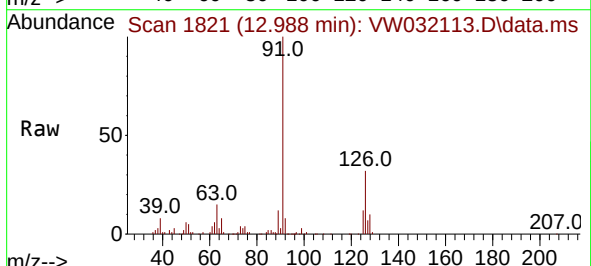
Manual Integrations
APPROVED

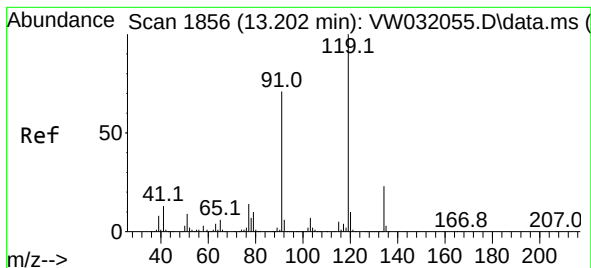
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#82
4-Chlorotoluene
Concen: 4.468 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

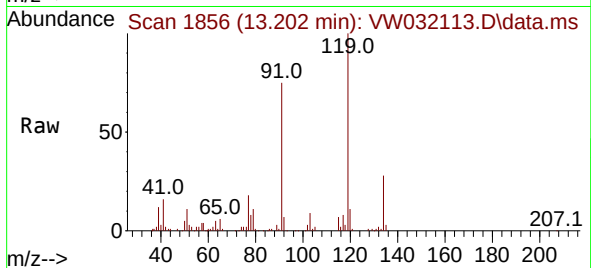
Tgt Ion: 91 Resp: 45244
Ion Ratio Lower Upper
91 100
126 31.3 15.5 46.5





#83
tert-Butylbenzene
Concen: 4.100 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

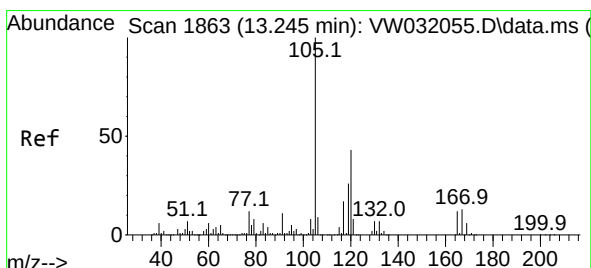
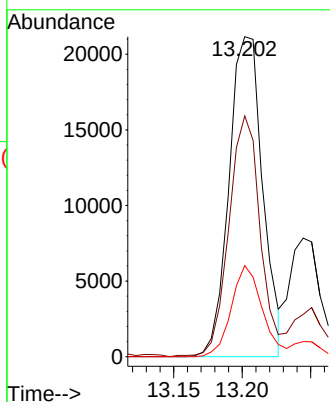
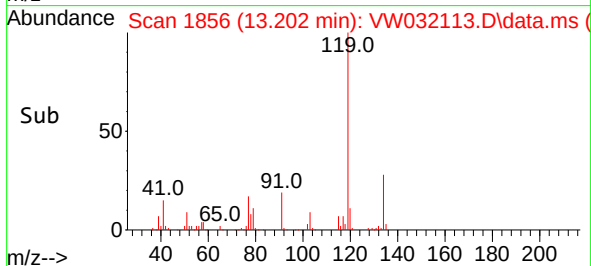
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025



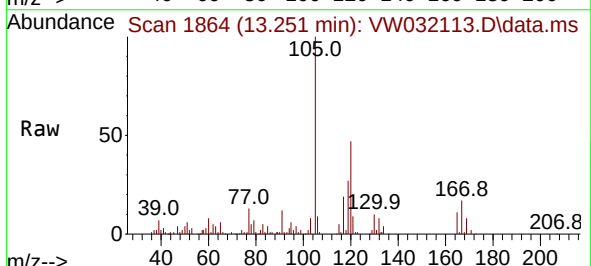
Tgt Ion:119 Resp: 3623
Ion Ratio Lower Upper
119 100
91 69.6 35.3 105.9
134 26.1 12.1 36.3

Manual Integrations
APPROVED

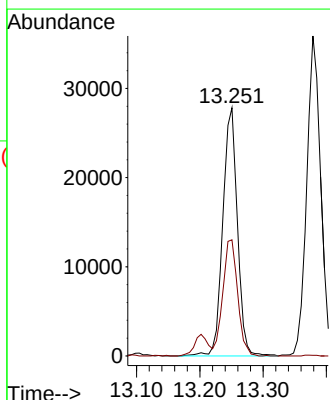
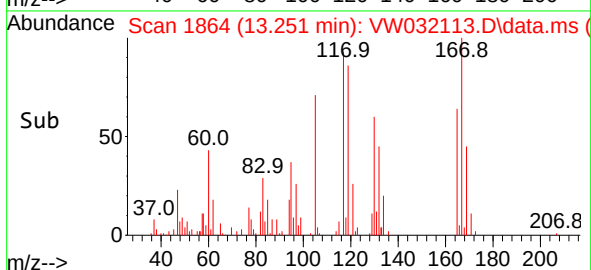
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025

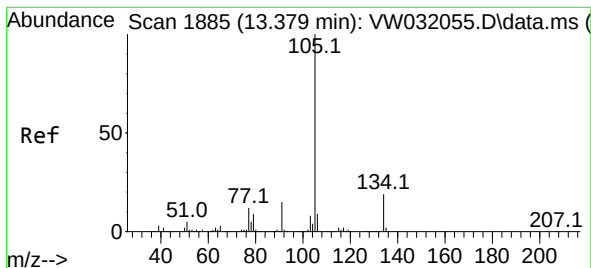


#84
1,2,4-Trimethylbenzene
Concen: 4.098 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



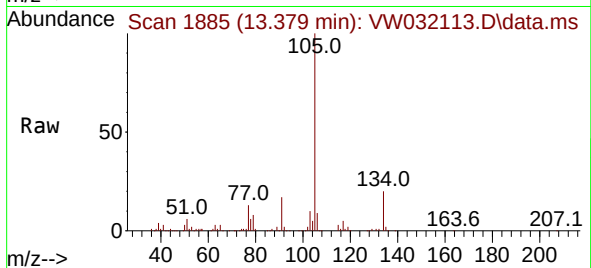
Tgt Ion:105 Resp: 44422
Ion Ratio Lower Upper
105 100
120 47.4 21.6 64.8





#85
 sec-Butylbenzene
 Concen: 4.115 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

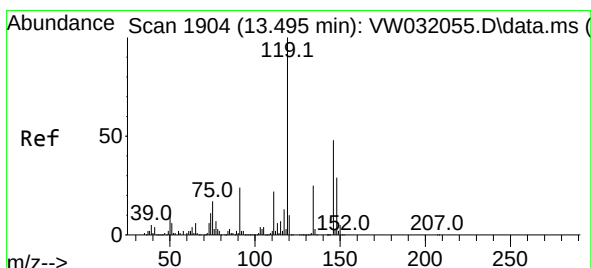
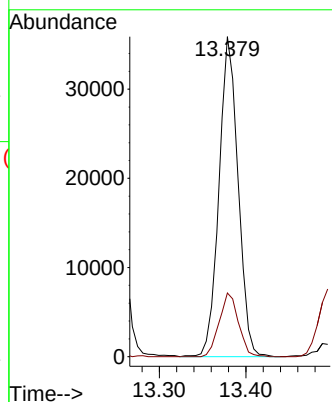
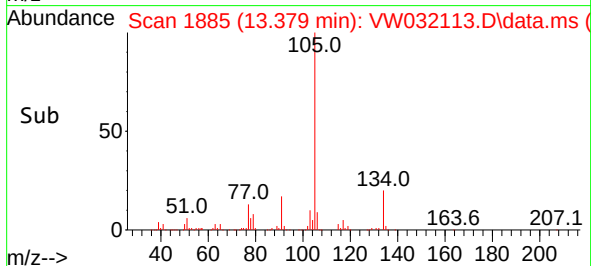
Instrument : MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025



Tgt Ion:105 Resp: 5498
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7

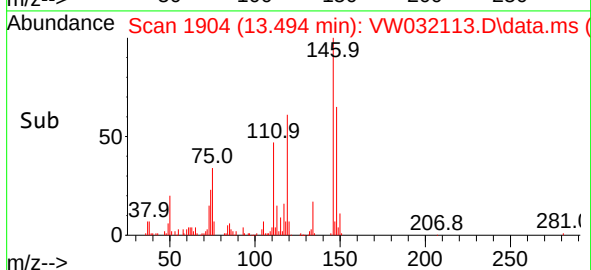
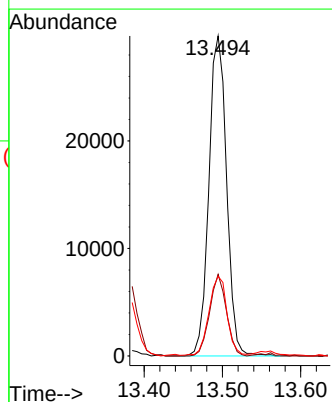
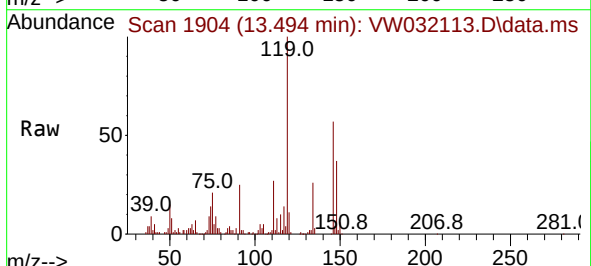
Manual Integrations
 APPROVED

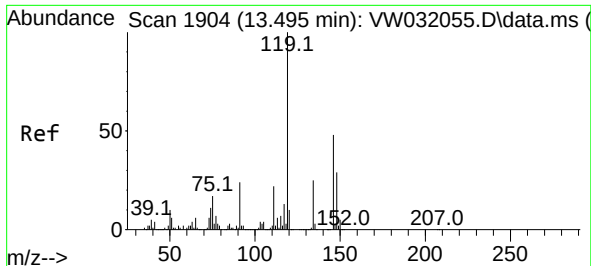
Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#86
 p-Isopropyltoluene
 Concen: 4.190 ug/l
 RT: 13.494 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion:119 Resp: 46673
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.4 37.0
 91 25.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.920 ug/l

RT: 13.494 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

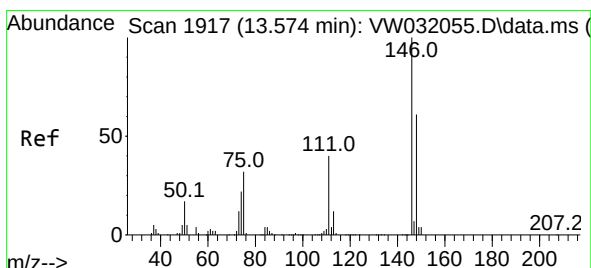
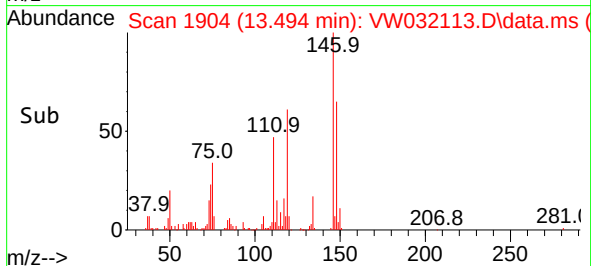
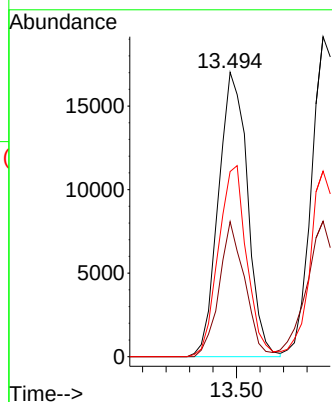
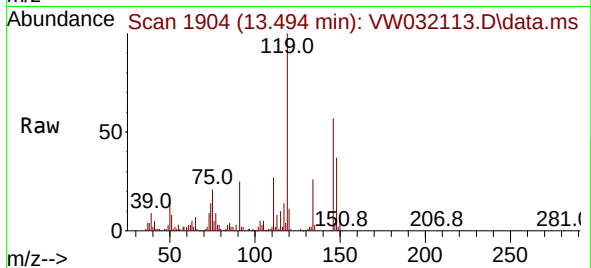
LOQ-SOIL-02-QT3-2025

Tgt Ion:	146	Resp:	29329
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.2	63.6
148	65.4	30.3	90.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#88

1,4-Dichlorobenzene

Concen: 5.081 ug/l

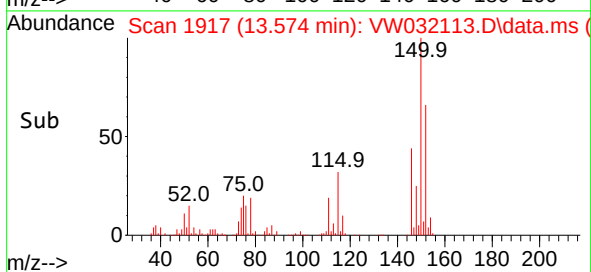
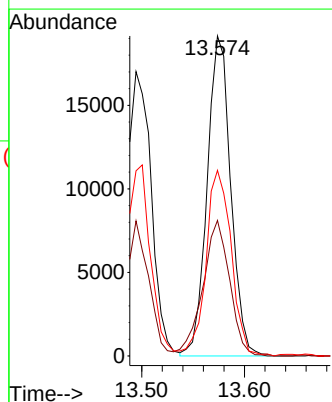
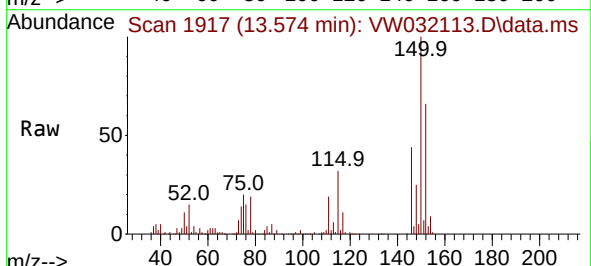
RT: 13.574 min Scan# 1917

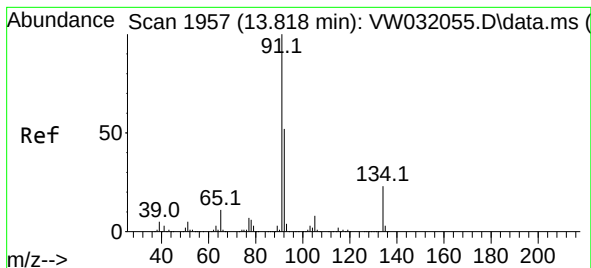
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:	146	Resp:	30606
Ion Ratio	Lower	Upper	
146	100		
111	48.1	21.6	64.6
148	61.9	32.0	96.2





#89

n-Butylbenzene

Concen: 4.172 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

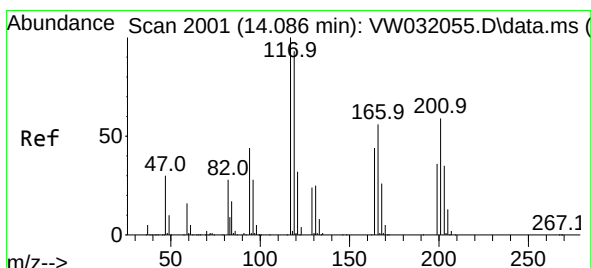
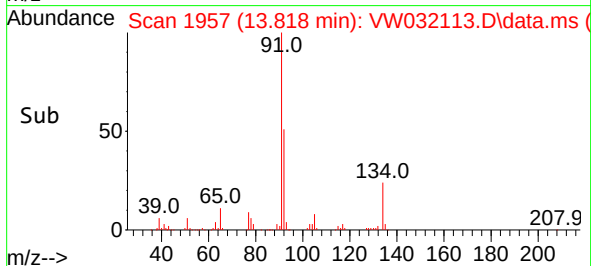
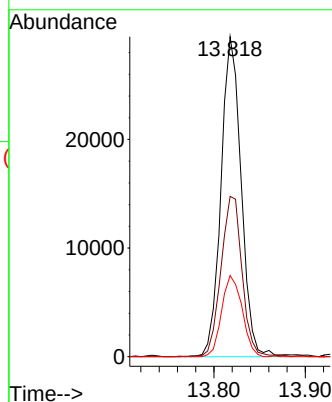
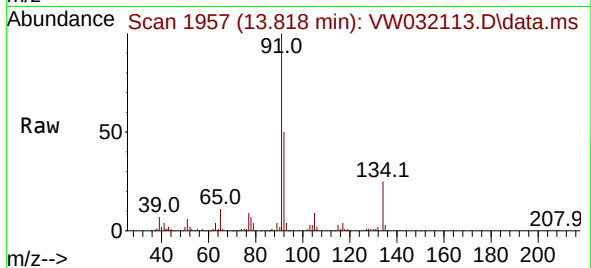
LOQ-SOIL-02-QT3-2025

Tgt Ion:	91	Resp:	4514
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.7	80.1
134	25.7	12.0	36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#90

Hexachloroethane

Concen: 4.441 ug/l

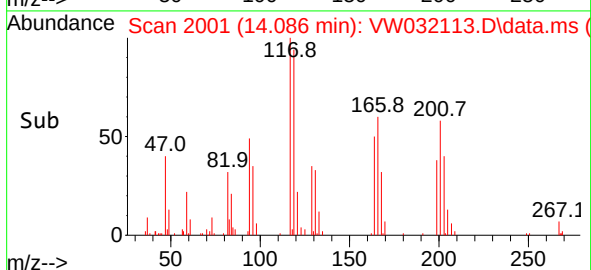
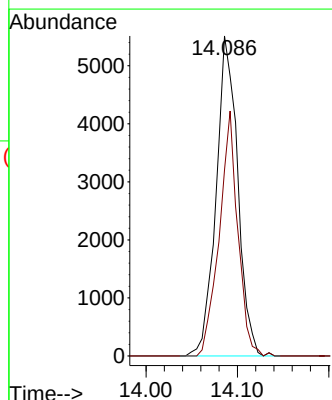
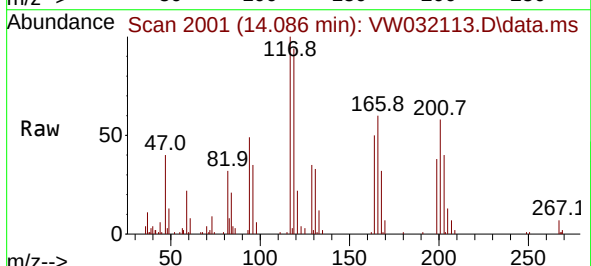
RT: 14.086 min Scan# 2001

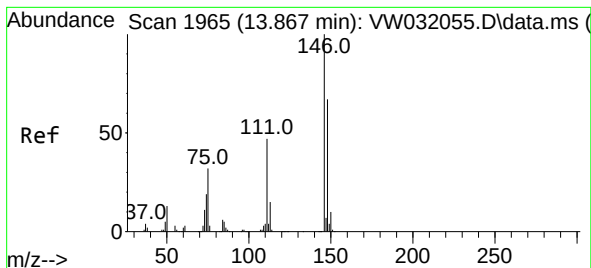
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:	117	Resp:	9046
Ion Ratio	Lower	Upper	
117	100		
201	66.0	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 4.820 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW032113.D

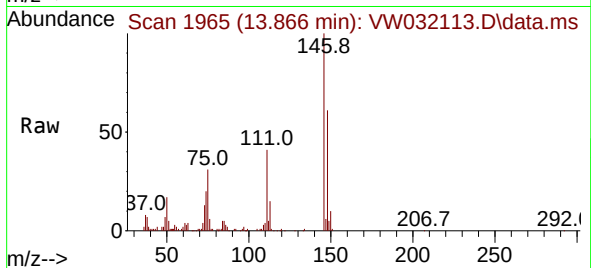
Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

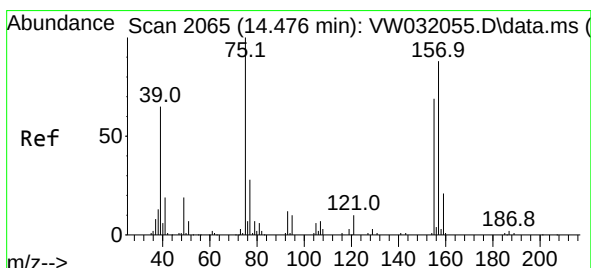
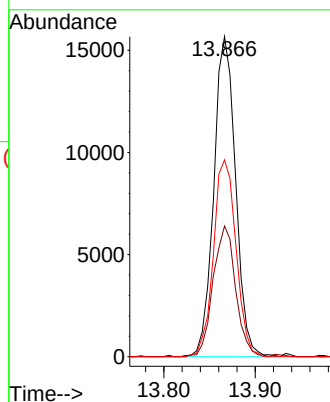
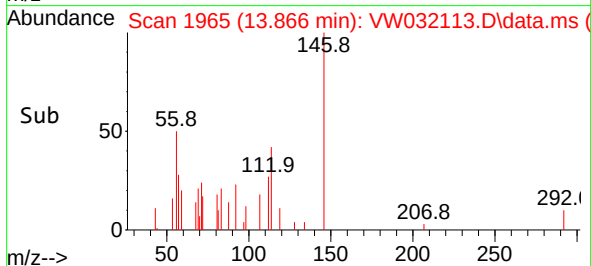


Tgt Ion:	146	Resp:	26030
Ion Ratio	Lower	Upper	
146	100		
111	42.1	23.1	69.3
148	63.7	32.9	98.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.005 ug/l

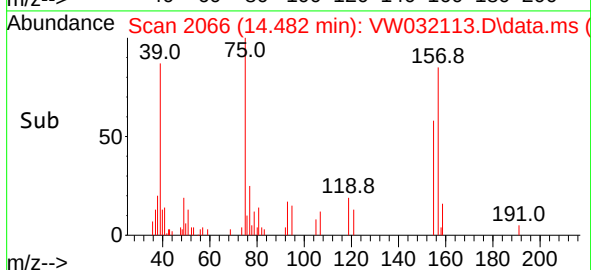
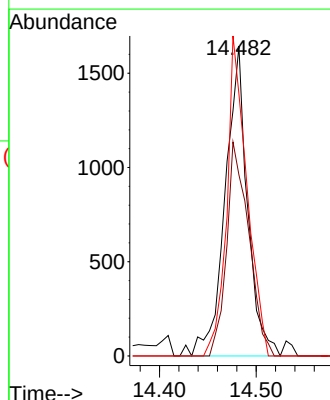
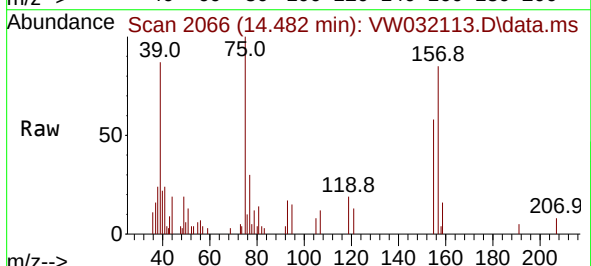
RT: 14.482 min Scan# 2066

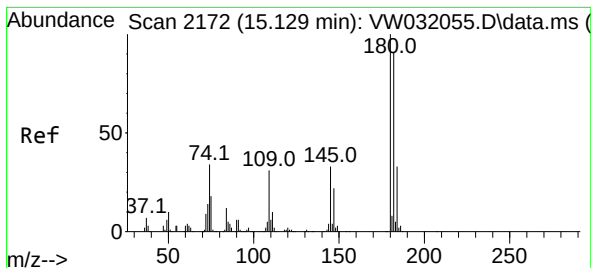
Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:	75	Resp:	2650
Ion Ratio	Lower	Upper	
75	100		
155	68.2	35.2	105.6
157	92.6	47.5	142.6





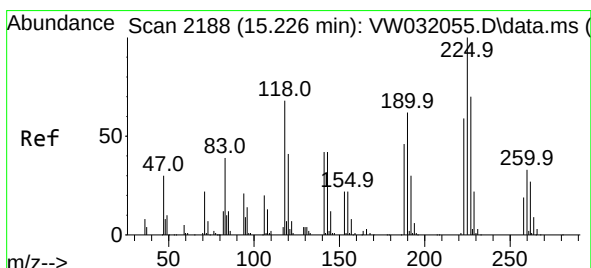
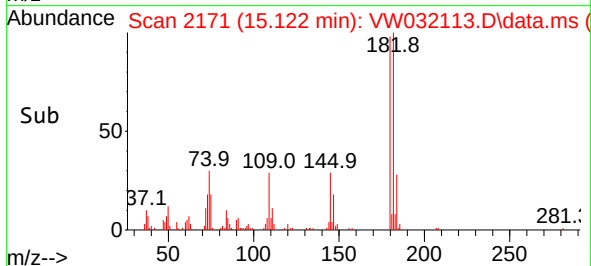
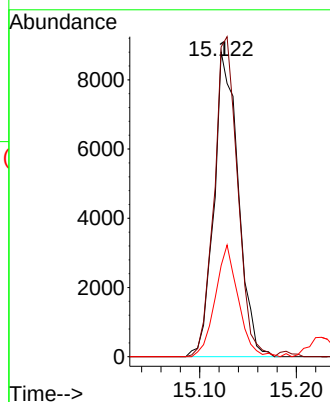
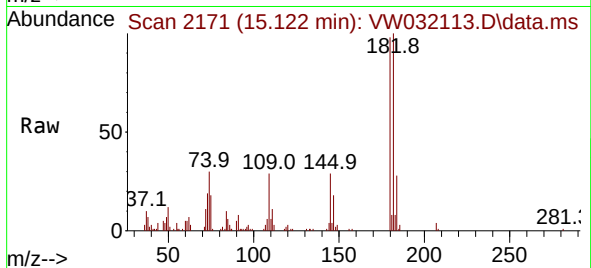
#93
1,2,4-Trichlorobenzene
Concen: 4.744 ug/l
RT: 15.122 min Scan# 2171
Delta R.T. -0.007 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:180 Resp: 1532
Ion Ratio Lower Upper
180 100
182 101.4 49.0 147.0
145 34.6 17.3 51.9

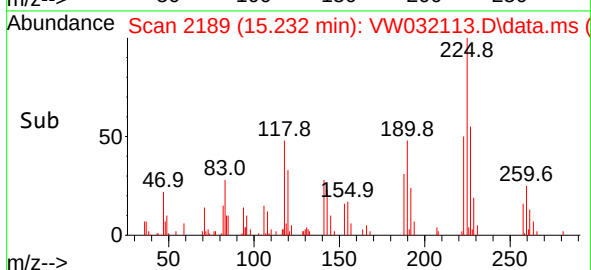
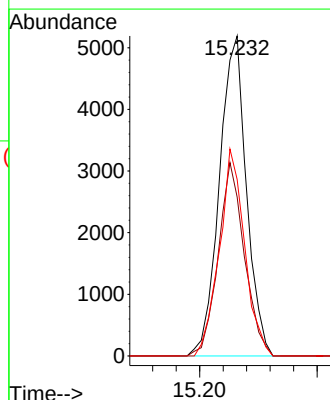
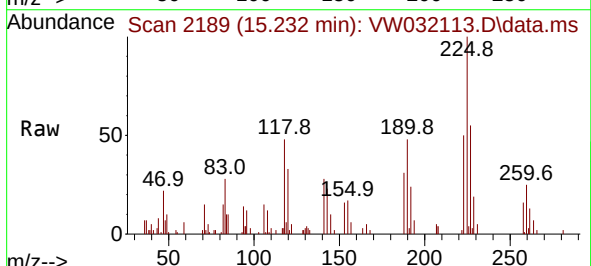
Manual Integrations
APPROVED

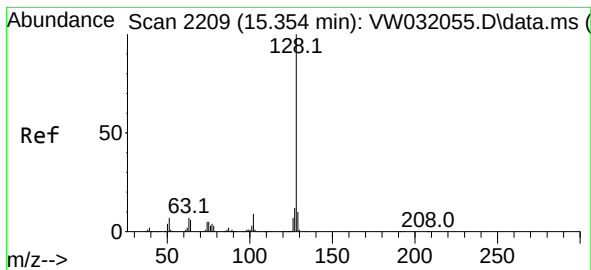
Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#94
Hexachlorobutadiene
Concen: 5.739 ug/l
RT: 15.232 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

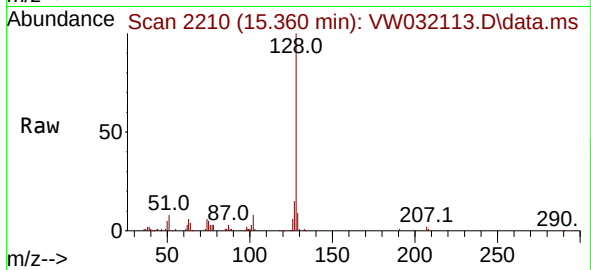
Tgt Ion:225 Resp: 8287
Ion Ratio Lower Upper
225 100
223 58.5 31.8 95.3
227 60.5 33.5 100.5





#95
Naphthalene
Concen: 4.228 ug/l
RT: 15.360 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

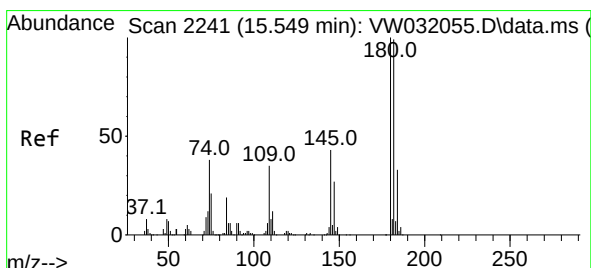
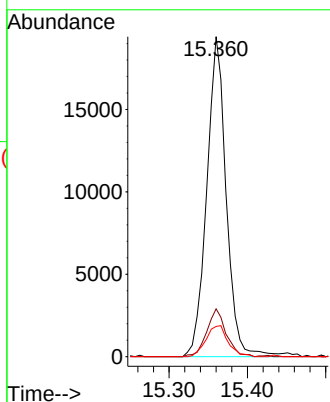
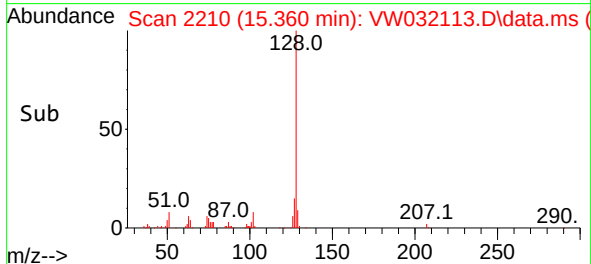
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025



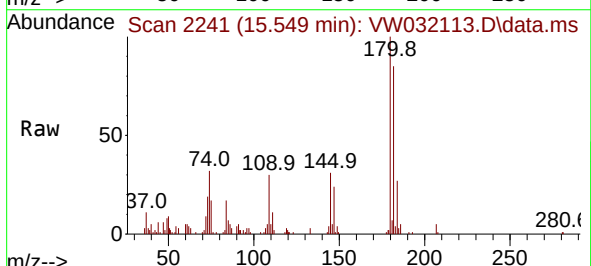
Tgt Ion:128 Resp: 33462
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 11.1 8.2 12.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
Supervised By :Mahesh Dadoda 08/25/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.017 ug/l
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07



Tgt Ion:180 Resp: 14746
Ion Ratio Lower Upper
180 100
182 96.2 46.0 138.0
145 35.9 19.2 57.6

