

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021190.D
 Acq On : 13 Feb 2025 11:58
 Operator : SY/MD
 Sample : Q1168-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 14 00:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	129459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	210017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	181049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	85858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71055	53.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.140%			
35) Dibromofluoromethane	7.640	113	66709	49.564	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.120%			
50) Toluene-d8	10.109	98	247110	48.226	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.408	95	79798	47.669	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	2431	2.107	ug/l	96
3) Chloromethane	2.074	50	2632	2.312	ug/l	89
4) Vinyl Chloride	2.208	62	2565	2.238	ug/l	99
5) Bromomethane	2.605	94	2009	2.836	ug/l	92
6) Chloroethane	2.745	64	1631	2.391	ug/l	97
7) Trichlorofluoromethane	3.062	101	4876	2.335	ug/l	96
8) Diethyl Ether	3.464	74	1666	2.556	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.824	101	3484	2.659	ug/l	97
10) Methyl Iodide	4.013	142	3298	2.265	ug/l	92
11) Tert butyl alcohol	4.854	59	2038	22.673	ug/l #	75
12) 1,1-Dichloroethene	3.793	96	2895	2.345	ug/l	87
13) Acrolein	3.659	56	1619	11.697	ug/l	99
14) Allyl chloride	4.385	41	4721	2.269	ug/l	91
15) Acrylonitrile	5.068	53	3563	13.128	ug/l	96
16) Acetone	3.867	43	3254	15.731	ug/l #	86
17) Carbon Disulfide	4.110	76	7106	1.836	ug/l	97
18) Methyl Acetate	4.385	43	2186	3.010	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	7713	2.472	ug/l	99
20) Methylene Chloride	4.622	84	3447	2.681	ug/l	86
21) trans-1,2-Dichloroethene	5.122	96	3231	2.378	ug/l	97
22) Diisopropyl ether	6.031	45	10322	2.407	ug/l #	87
23) Vinyl Acetate	5.964	43	26537	11.101	ug/l #	94
24) 1,1-Dichloroethane	5.915	63	6433	2.561	ug/l	98
25) 2-Butanone	6.896	43	4903	14.424	ug/l #	83
26) 2,2-Dichloropropane	6.890	77	5952	2.560	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	3599	2.301	ug/l	84
28) Bromochloromethane	7.250	49	2566	2.583	ug/l #	93
29) Tetrahydrofuran	7.262	42	3244	14.104	ug/l #	84
30) Chloroform	7.427	83	6650	2.577	ug/l	90
31) Cyclohexane	7.713	56	7441	3.289	ug/l #	74
32) 1,1,1-Trichloroethane	7.622	97	5986	2.495	ug/l	99
36) 1,1-Dichloropropene	7.841	75	4196	2.105	ug/l	98
37) Ethyl Acetate	6.994	43	2262	2.586	ug/l #	79
38) Carbon Tetrachloride	7.817	117	5890	2.529	ug/l	97
39) Methylcyclohexane	9.109	83	5125	2.102	ug/l	93
40) Benzene	8.085	78	13303	2.274	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	1216	2.403	ug/l #	63
42) 1,2-Dichloroethane	8.165	62	4224	2.603	ug/l	95
43) Isopropyl Acetate	8.207	43	4389	2.526	ug/l #	86
44) Trichloroethene	8.866	130	3479	2.302	ug/l	98
45) 1,2-Dichloropropane	9.146	63	3270	2.355	ug/l	96
46) Dibromomethane	9.238	93	1750	2.276	ug/l	91
47) Bromodichloromethane	9.426	83	5425	2.631	ug/l #	96
48) Methyl methacrylate	9.225	41	2109	2.664	ug/l #	85
49) 1,4-Dioxane	9.225	88	285	39.820	ug/l #	65
51) 4-Methyl-2-Pentanone	10.006	43	10188	11.659	ug/l	93
52) Toluene	10.176	92	8790	2.393	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	4290	2.317	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	4755	2.169	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	2779	2.791	ug/l	95
56) Ethyl methacrylate	10.451	69	2827	2.123	ug/l	92
57) 1,3-Dichloropropane	10.719	76	4145	2.405	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	6197	9.780	ug/l	99
59) 2-Hexanone	10.762	43	5788	10.287	ug/l	98
60) Dibromochloromethane	10.914	129	3335	2.385	ug/l	99
61) 1,2-Dibromoethane	11.018	107	2170	2.327	ug/l	94
64) Tetrachloroethene	10.652	164	3120	2.321	ug/l	95
65) Chlorobenzene	11.444	112	9526	2.363	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	3552	2.479	ug/l	96
67) Ethyl Benzene	11.524	91	15690	2.200	ug/l	99
68) m/p-Xylenes	11.633	106	11747	4.404	ug/l	98
69) o-Xylene	11.957	106	5552	2.232	ug/l	99
70) Styrene	11.975	104	8324	2.008	ug/l	97
71) Bromoform	12.139	173	1927	2.416	ug/l #	87
73) Isopropylbenzene	12.261	105	14051	2.095	ug/l	97
74) N-amyl acetate	12.078	43	2993	2.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	2741	2.457	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	2457m	3.155	ug/l	
77) Bromobenzene	12.536	156	3776	2.440	ug/l	93
78) n-propylbenzene	12.597	91	17580	2.200	ug/l	97
79) 2-Chlorotoluene	12.682	91	11084	2.422	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	11476	2.110	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.310	75	949m	2.486	ug/l	
82) 4-Chlorotoluene	12.780	91	10973	2.354	ug/l	97
83) tert-Butylbenzene	12.999	119	10506	2.126	ug/l	93
84) 1,2,4-Trimethylbenzene	13.048	105	11072	2.082	ug/l	99
85) sec-Butylbenzene	13.182	105	15410	2.166	ug/l	100
86) p-Isopropyltoluene	13.298	119	12006	2.031	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	7403	2.477	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	7666	2.605	ug/l	87
89) n-Butylbenzene	13.621	91	11787	2.186	ug/l	96
90) Hexachloroethane	13.883	117	3093	2.509	ug/l	87
91) 1,2-Dichlorobenzene	13.664	146	6075	2.342	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	428	2.568	ug/l	89
93) 1,2,4-Trichlorobenzene	14.926	180	3310	2.293	ug/l	99
94) Hexachlorobutadiene	15.023	225	2201	2.301	ug/l	94
95) Naphthalene	15.151	128	4631	2.005	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	2737	2.278	ug/l	96

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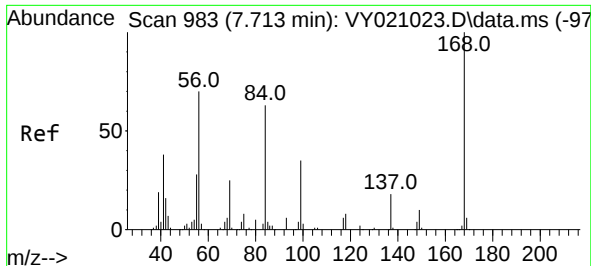
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 02/14/2025

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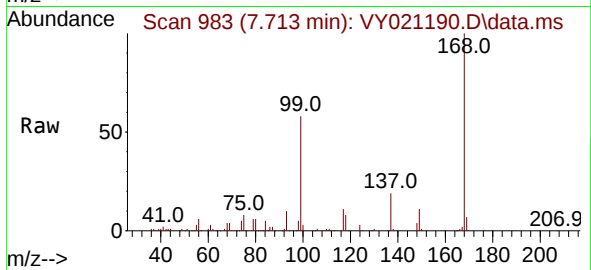
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY021190.D
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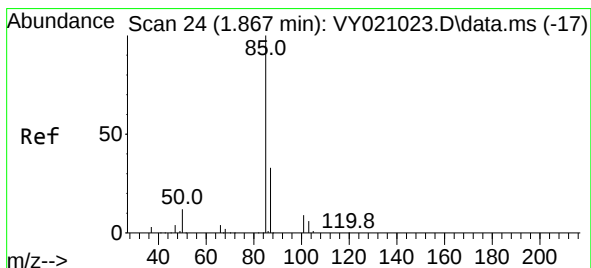
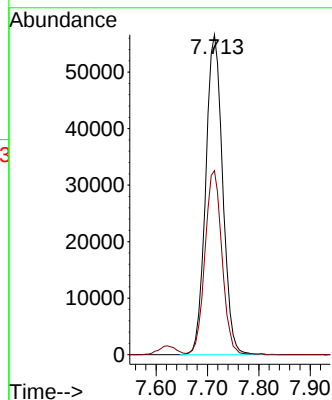
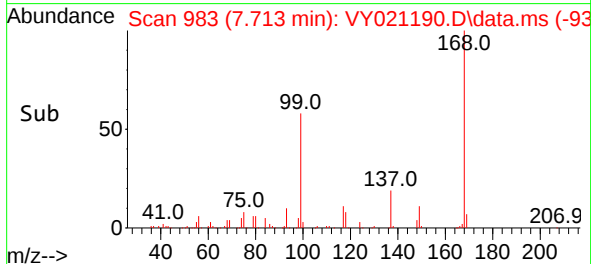
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:168 Resp: 12945
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4

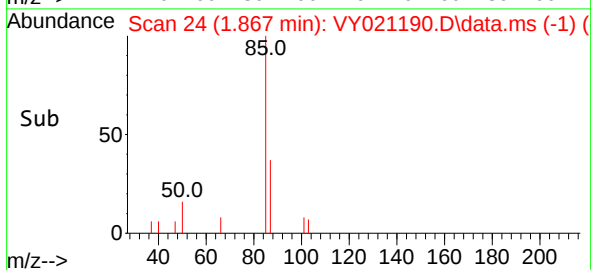
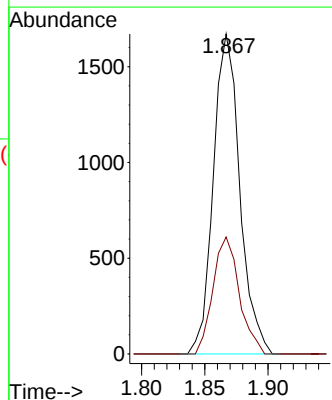
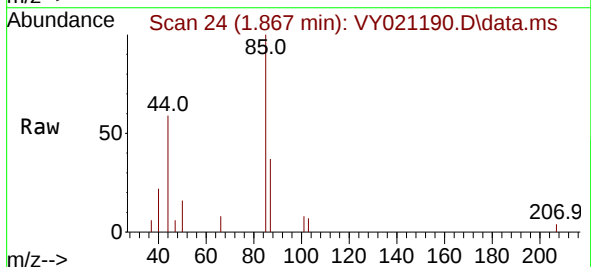
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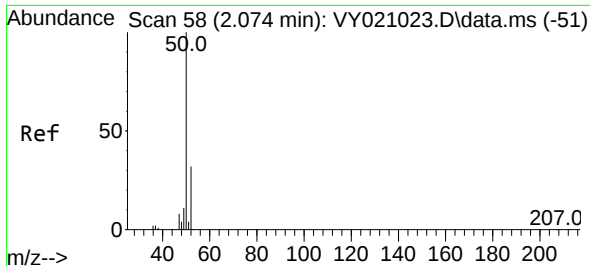
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#2
Dichlorodifluoromethane
Concen: 2.107 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

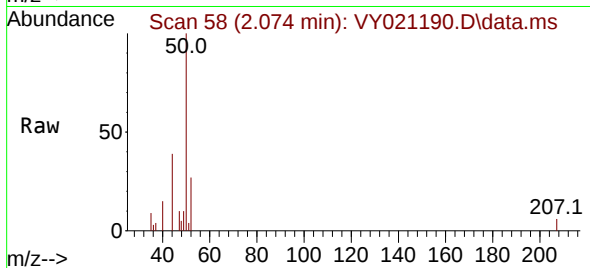
Tgt Ion: 85 Resp: 2431
Ion Ratio Lower Upper
85 100
87 36.6 17.1 51.3





#3
Chloromethane
Concen: 2.312 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

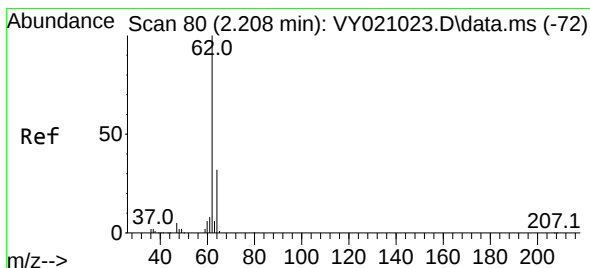
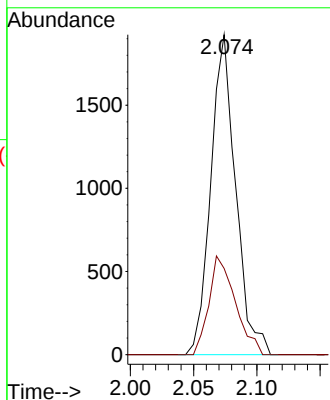
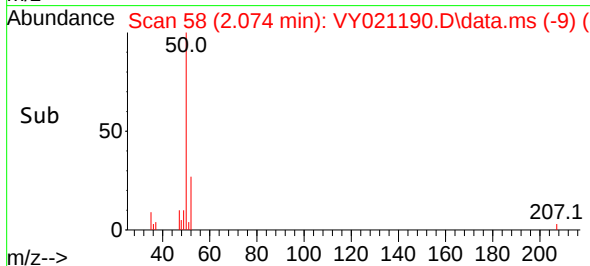
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ClientSampleId :
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Tgt Ion: 50 Resp: 2632
Ion Ratio Lower Upper
50 100
52 26.9 26.7 40.1

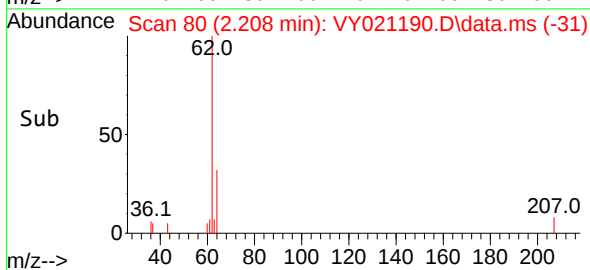
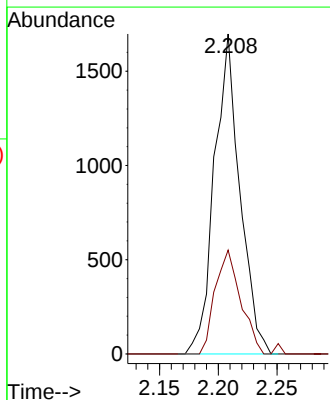
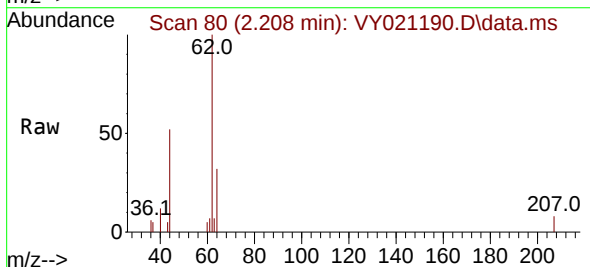
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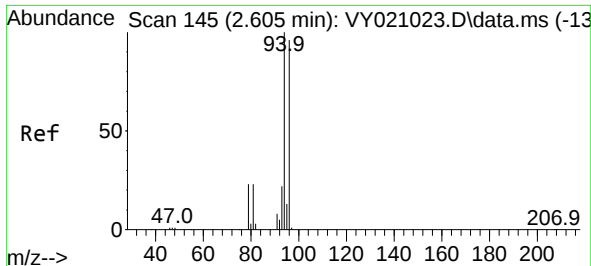
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#4
Vinyl Chloride
Concen: 2.238 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021190.D
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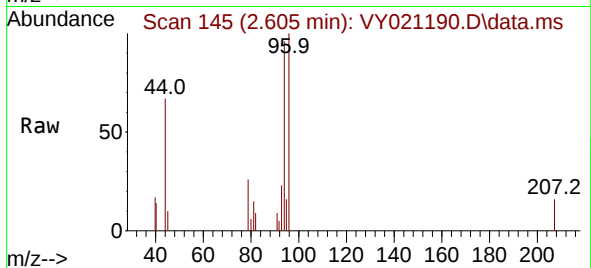
Tgt Ion: 62 Resp: 2565
Ion Ratio Lower Upper
62 100
64 32.4 25.7 38.5





#5
Bromomethane
Concen: 2.836 ug/l
RT: 2.605 min Scan# 145
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

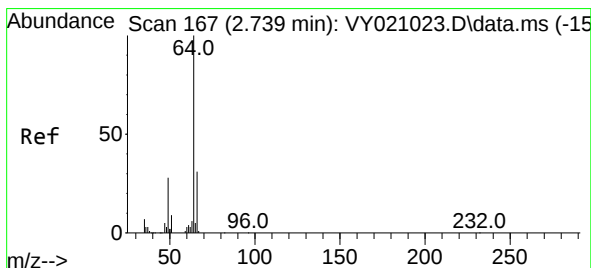
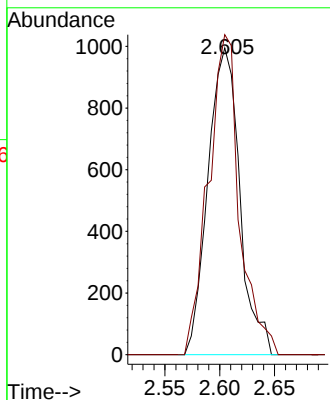
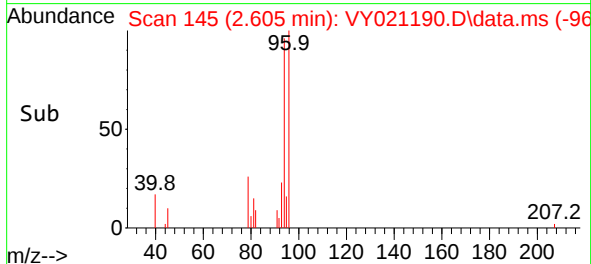
Instrument : MSVOA_Y
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Tgt Ion: 94 Resp: 2009
Ion Ratio Lower Upper
94 100
96 104.3 77.3 115.9

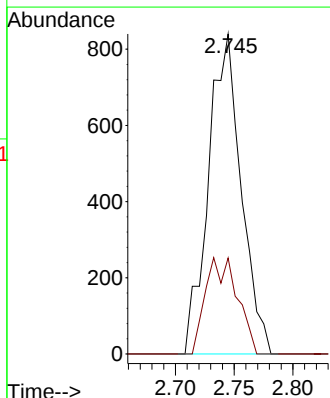
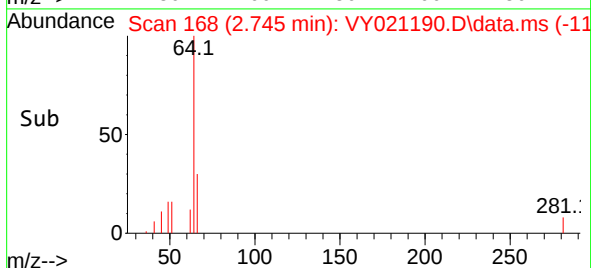
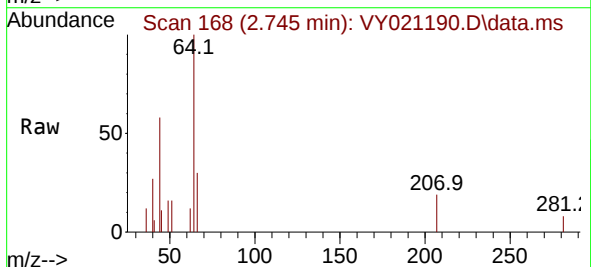
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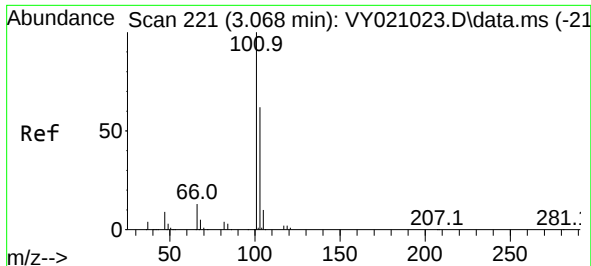
Reviewed By :Romaben Patel 02/14/2025
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#6
Chloroethane
Concen: 2.391 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY021190.D
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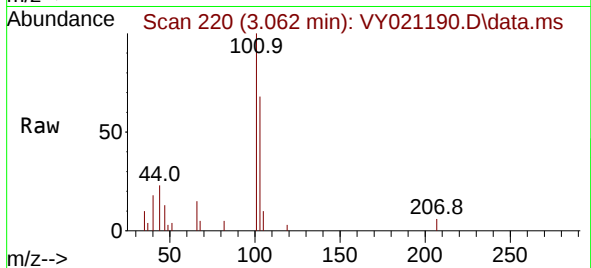
Tgt Ion: 64 Resp: 1631
Ion Ratio Lower Upper
64 100
66 30.0 25.1 37.7





#7
Trichlorofluoromethane
Concen: 2.335 ug/l
RT: 3.062 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY021190.D
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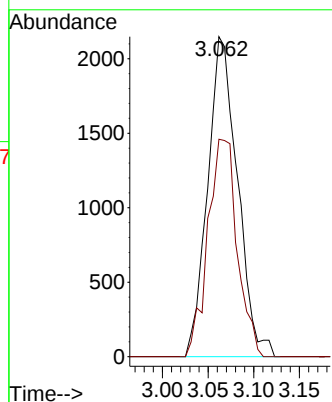
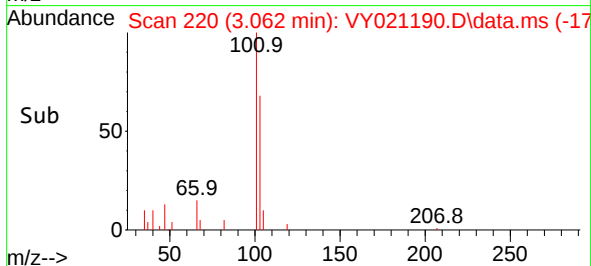
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:101 Resp: 4870
Ion Ratio Lower Upper
101 100
103 68.0 51.9 77.9

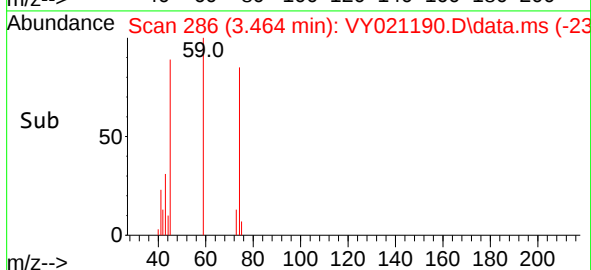
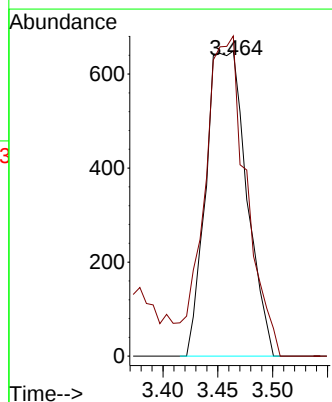
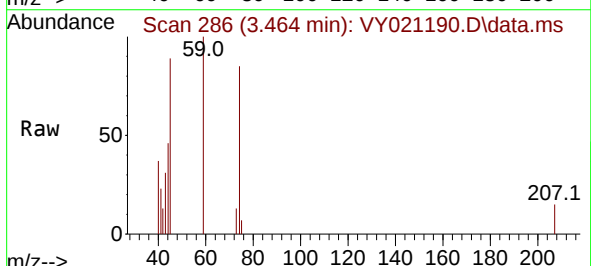
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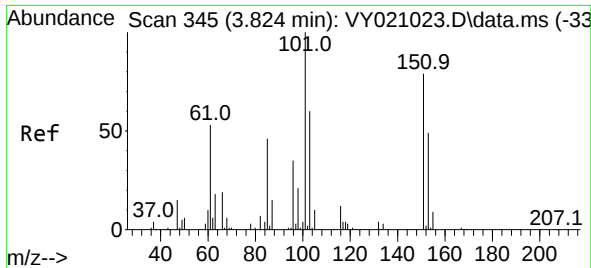
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#8
Diethyl Ether
Concen: 2.556 ug/l
RT: 3.464 min Scan# 286
Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 1666
Ion Ratio Lower Upper
74 100
45 108.2 47.9 143.7





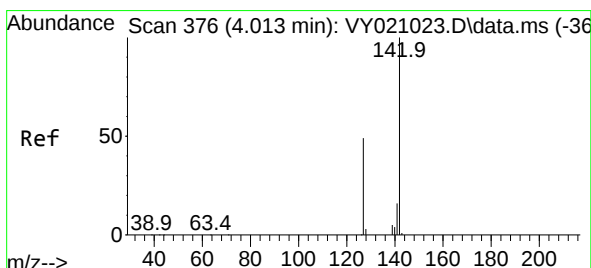
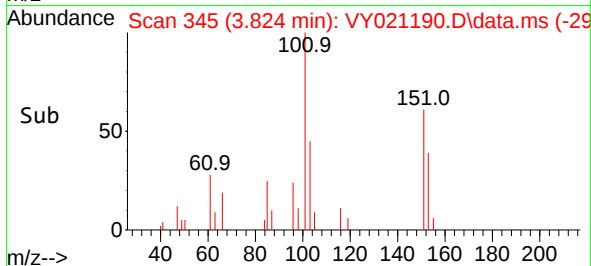
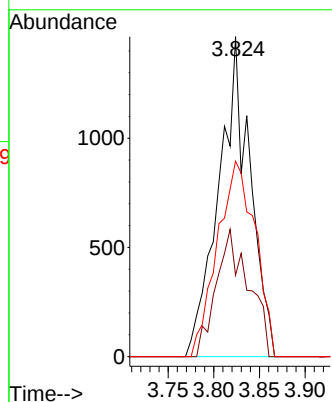
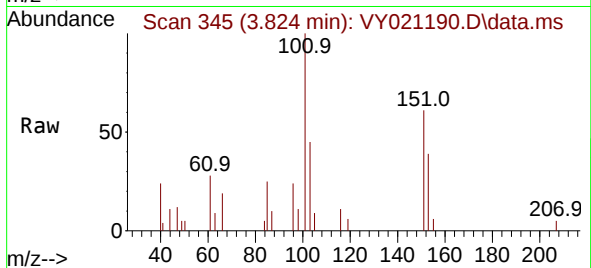
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.659 ug/l
RT: 3.824 min Scan# 345
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:101 Resp: 3484
Ion Ratio Lower Upper
101 100
85 41.3 35.8 53.6
151 74.1 58.6 88.0

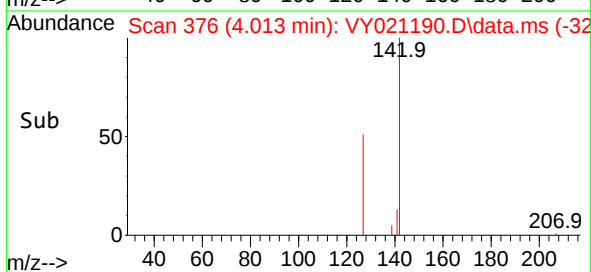
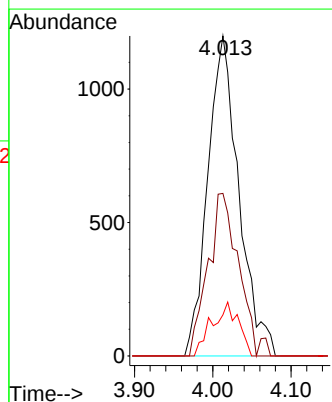
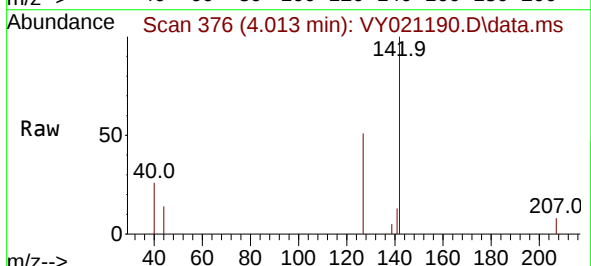
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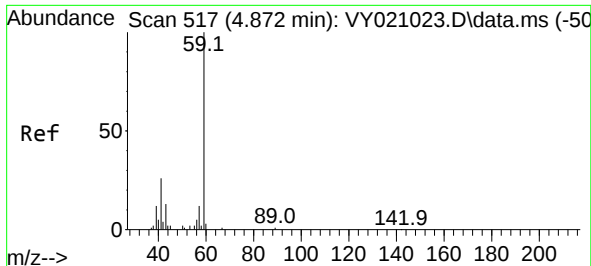
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#10
Methyl Iodide
Concen: 2.265 ug/l
RT: 4.013 min Scan# 376
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:142 Resp: 3298
Ion Ratio Lower Upper
142 100
127 50.7 35.1 52.7
141 14.3 11.8 17.6





#11

Tert butyl alcohol

Concen: 22.673 ug/l

RT: 4.854 min Scan# 517

Delta R.T. -0.018 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 59 Resp: 2038

Ion Ratio Lower Upper

59 100

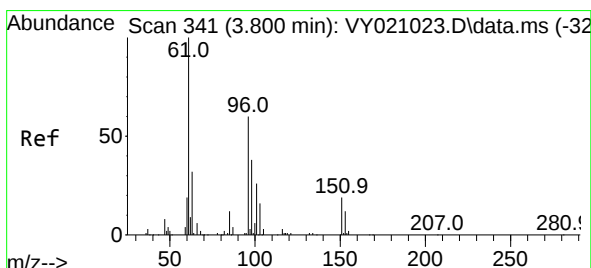
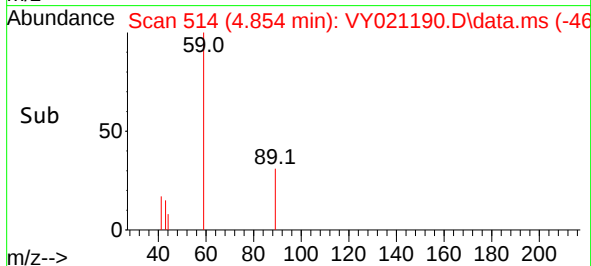
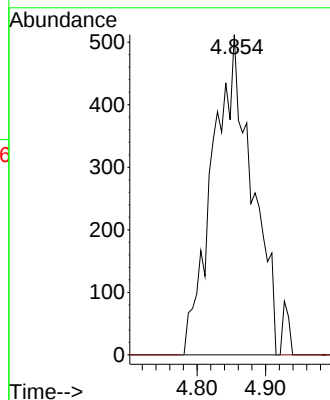
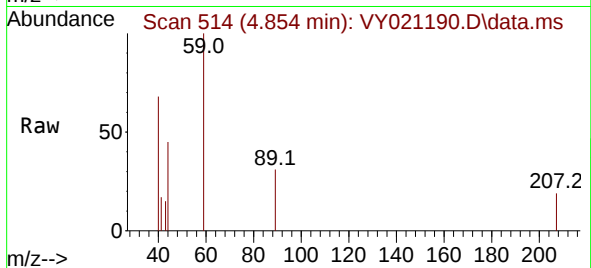
57 0.0 7.4 11.0

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Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#12

1,1-Dichloroethene

Concen: 2.345 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

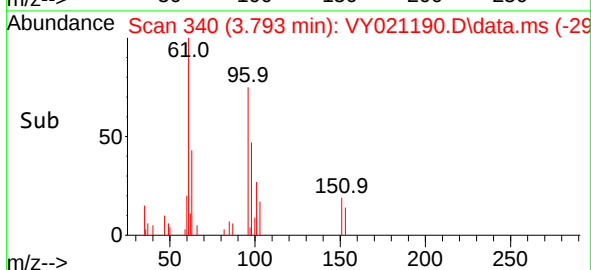
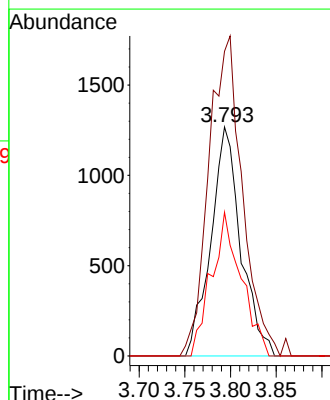
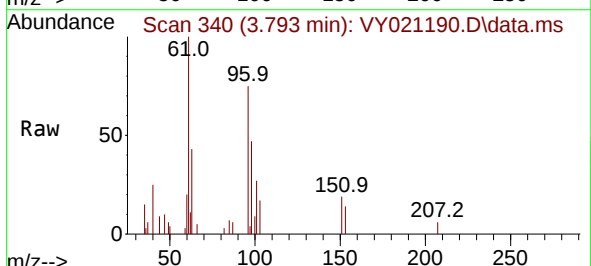
Tgt Ion: 96 Resp: 2895

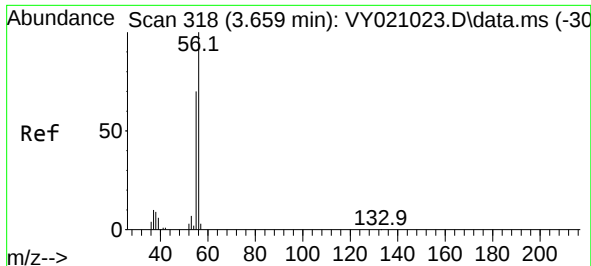
Ion Ratio Lower Upper

96 100

61 133.0 124.2 186.2

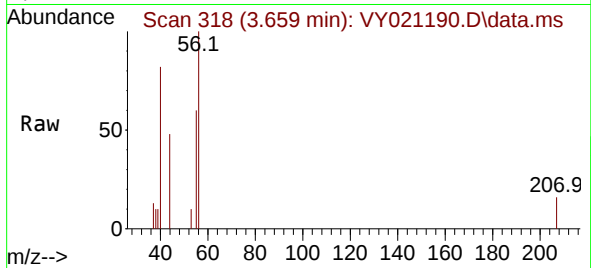
98 62.8 52.6 79.0





#13
Acrolein
Concen: 11.697 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

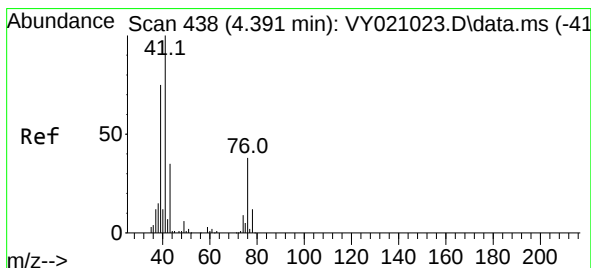
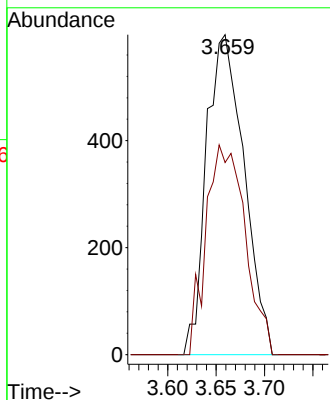
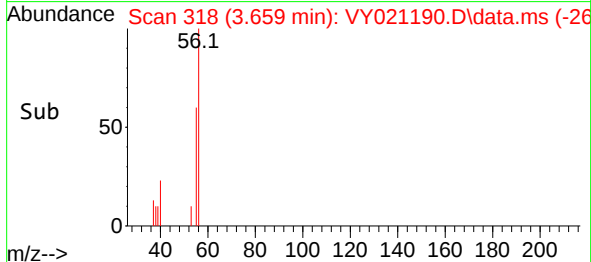
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 56 Resp: 1619
Ion Ratio Lower Upper
56 100
55 68.1 55.4 83.0

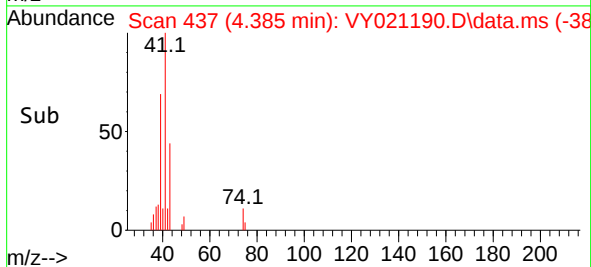
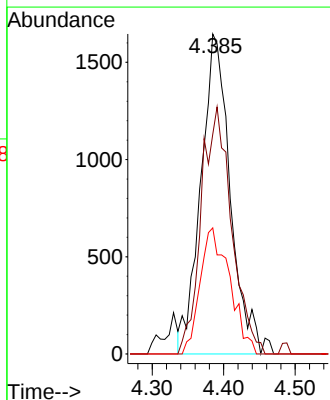
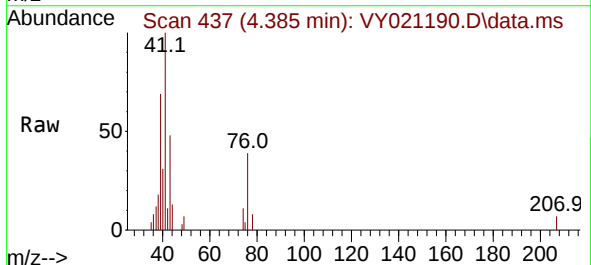
Manual Integrations
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Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#14
Allyl chloride
Concen: 2.269 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

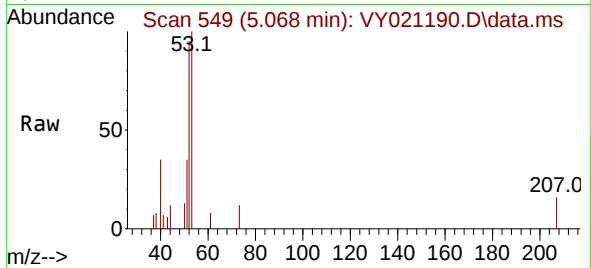
Tgt Ion: 41 Resp: 4721
Ion Ratio Lower Upper
41 100
39 79.4 54.7 82.1
76 39.7 31.8 47.6





#15
Acrylonitrile
Concen: 13.128 ug/l
RT: 5.068 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

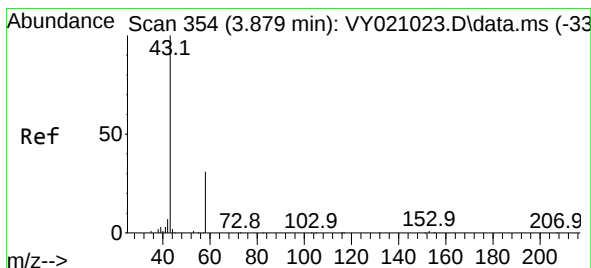
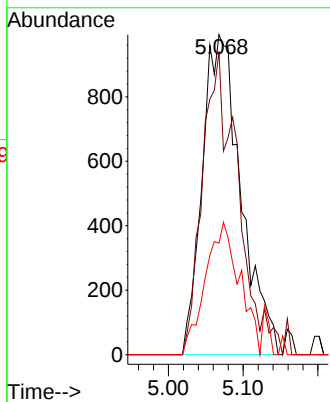
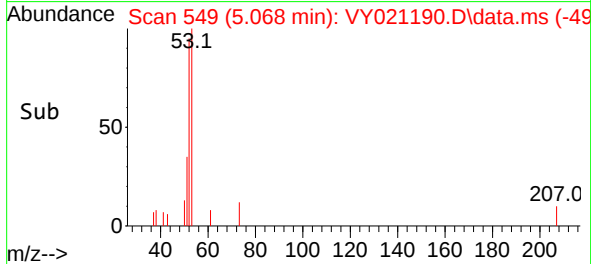
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 53 Resp: 356
Ion Ratio Lower Upper
53 100
52 86.8 65.1 97.7
51 36.6 29.0 43.4

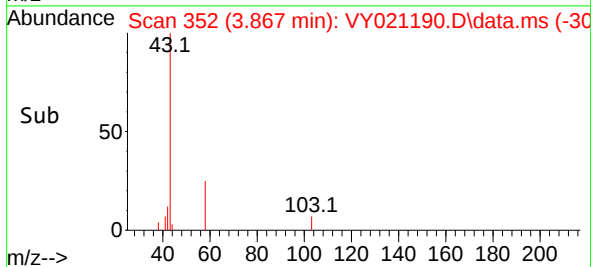
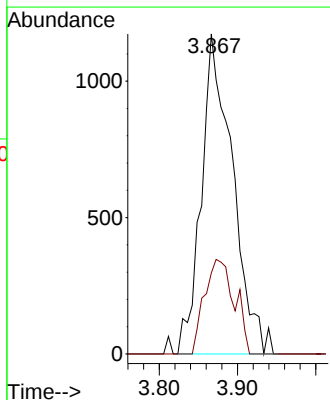
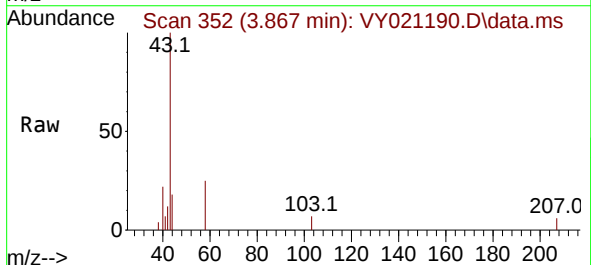
Manual Integrations
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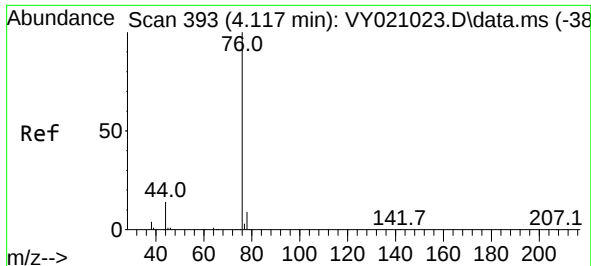
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#16
Acetone
Concen: 15.731 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 43 Resp: 3254
Ion Ratio Lower Upper
43 100
58 25.3 26.6 39.8#





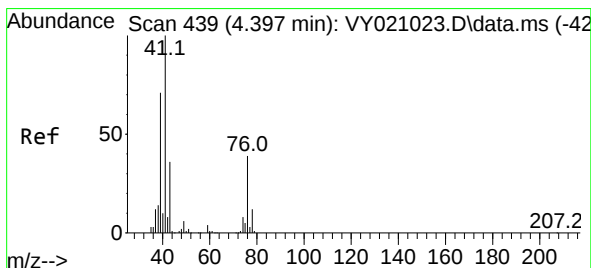
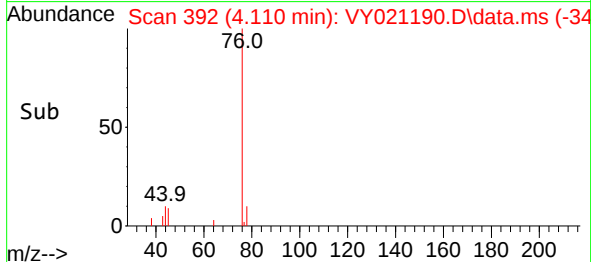
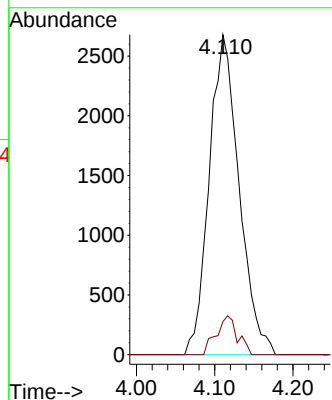
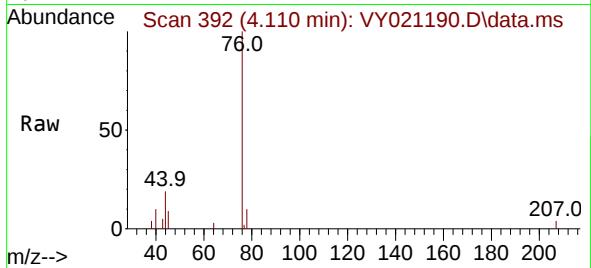
#17
Carbon Disulfide
Concen: 1.836 ug/l
RT: 4.110 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 76 Resp: 7100
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0

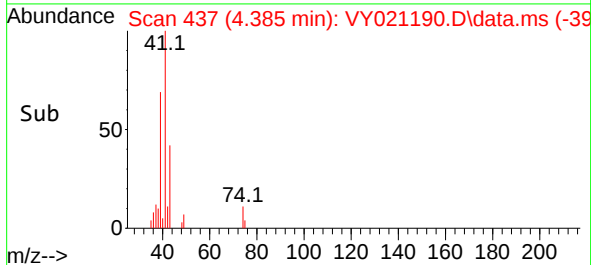
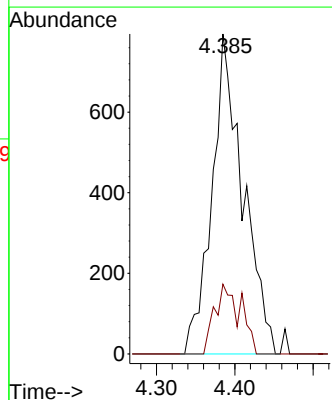
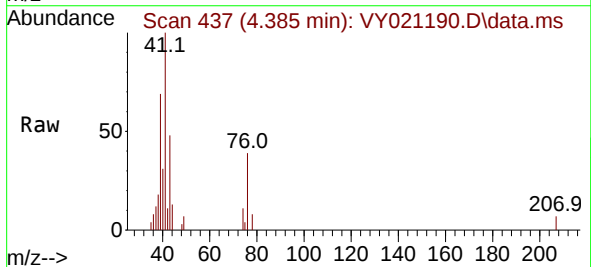
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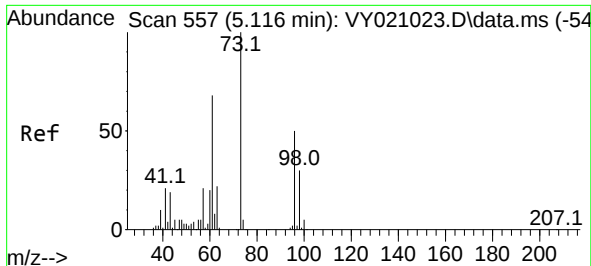
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#18
Methyl Acetate
Concen: 3.010 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.012 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 43 Resp: 2186
Ion Ratio Lower Upper
43 100
74 18.1 19.8 29.6#





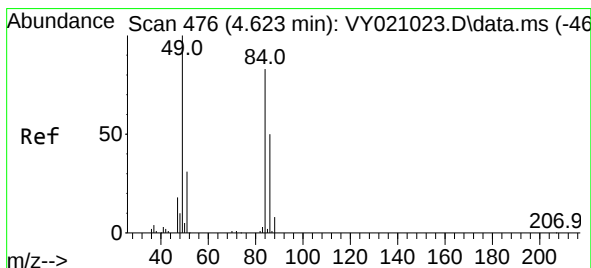
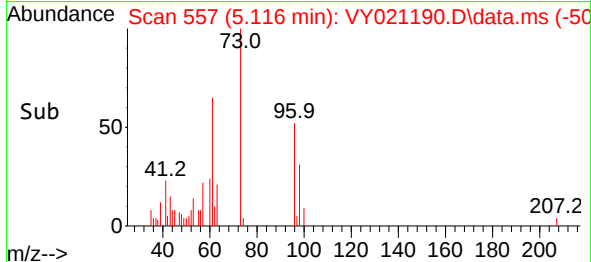
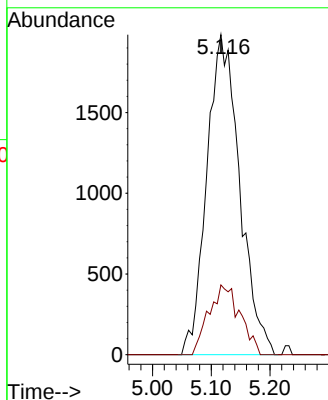
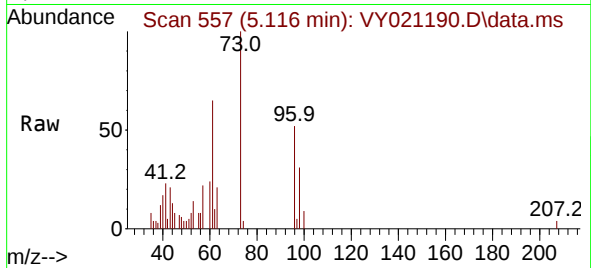
#19
Methyl tert-butyl Ether
Concen: 2.472 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 73 Resp: 771
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

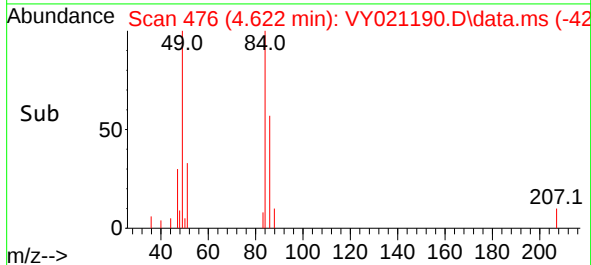
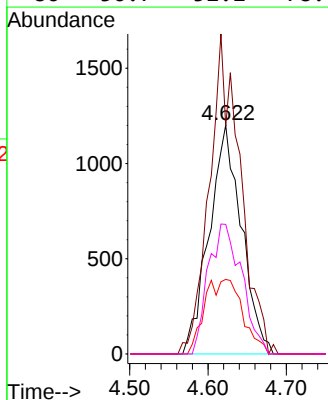
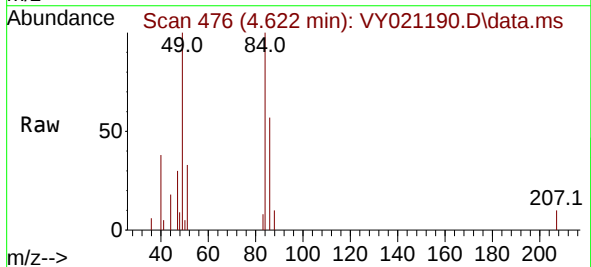
Manual Integrations
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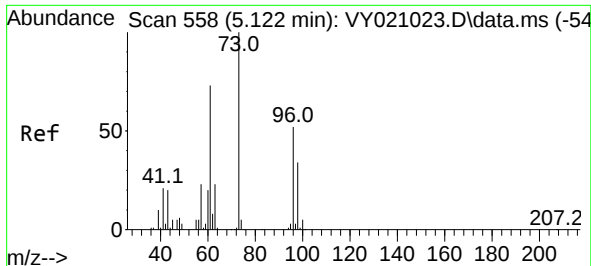
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#20
Methylene Chloride
Concen: 2.681 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

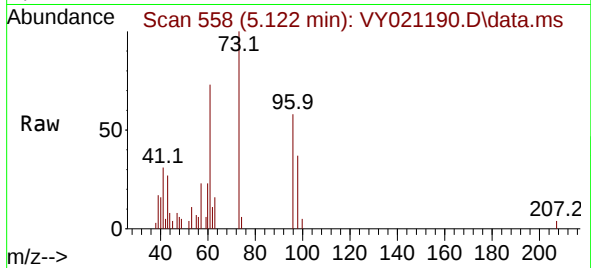
Tgt Ion: 84 Resp: 3447
Ion Ratio Lower Upper
84 100
49 99.6 95.2 142.8
51 32.6 29.9 44.9
86 56.7 52.2 78.4





#21
trans-1,2-Dichloroethene
Concen: 2.378 ug/l
RT: 5.122 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

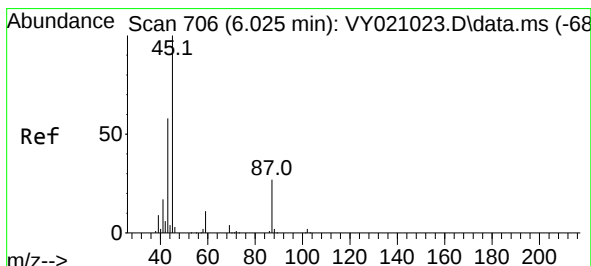
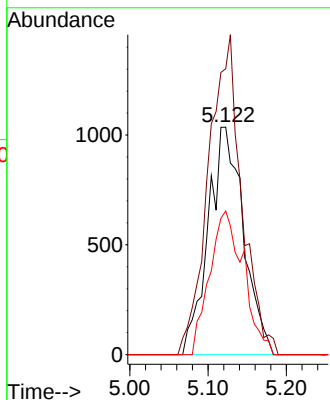
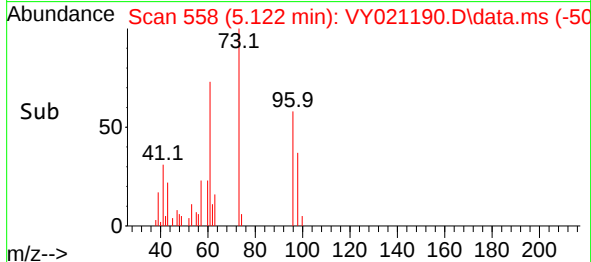
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 96 Resp: 323
Ion Ratio Lower Upper
96 100
61 125.7 104.6 156.8
98 63.1 50.9 76.3

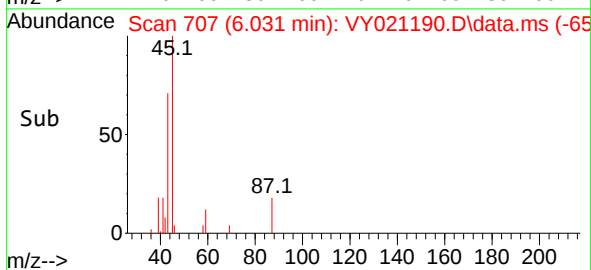
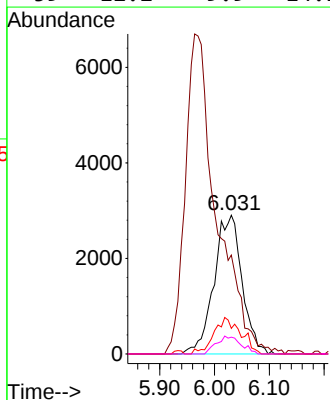
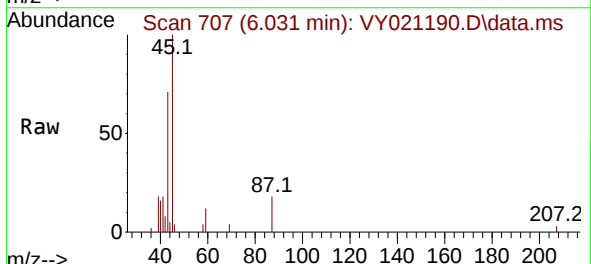
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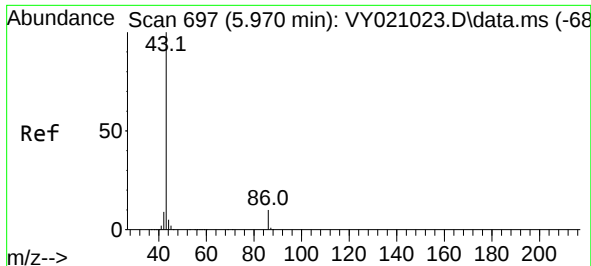
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#22
Diisopropyl ether
Concen: 2.407 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 45 Resp: 10322
Ion Ratio Lower Upper
45 100
43 69.1 46.8 70.2
87 18.4 22.2 33.2#
59 12.2 9.9 14.9





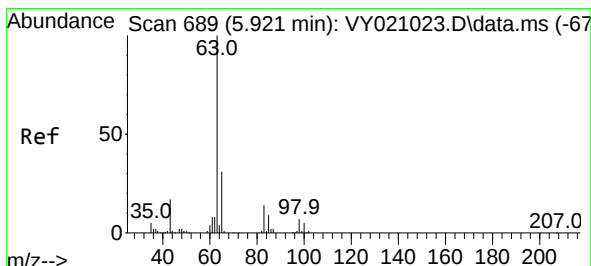
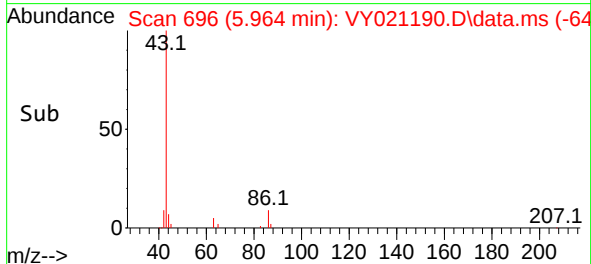
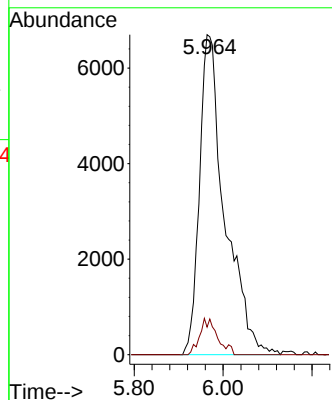
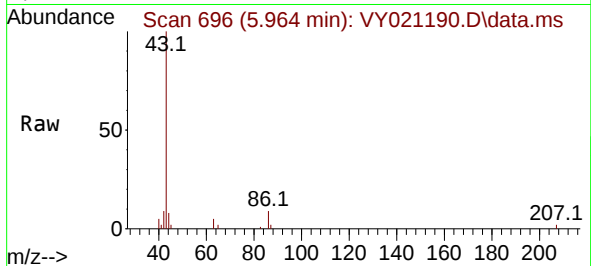
#23
 Vinyl Acetate
 Concen: 11.101 ug/l
 RT: 5.964 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion: 43 Resp: 2653
 Ion Ratio Lower Upper
 43 100
 86 8.6 8.6 13.0

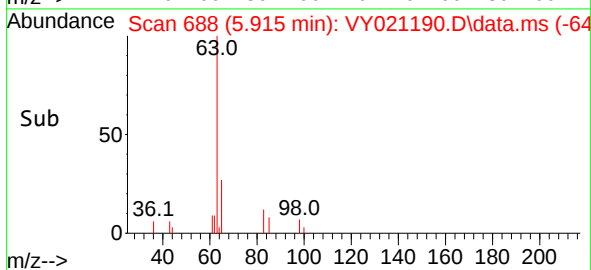
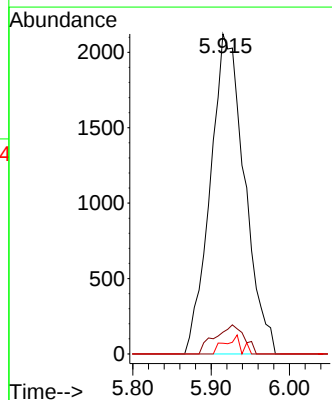
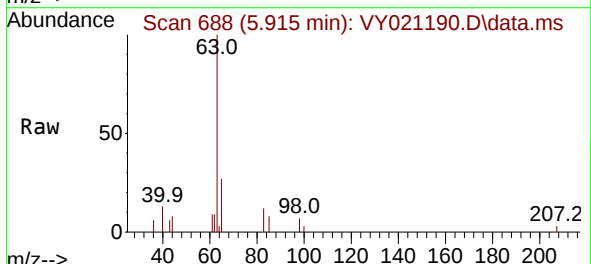
Manual Integrations
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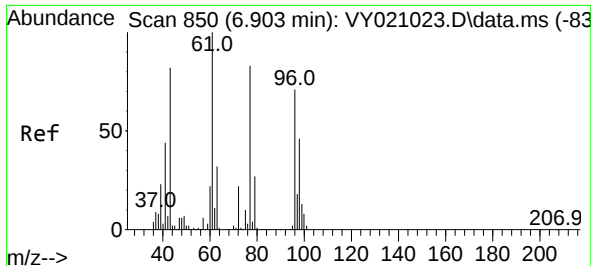
Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025



#24
 1,1-Dichloroethane
 Concen: 2.561 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

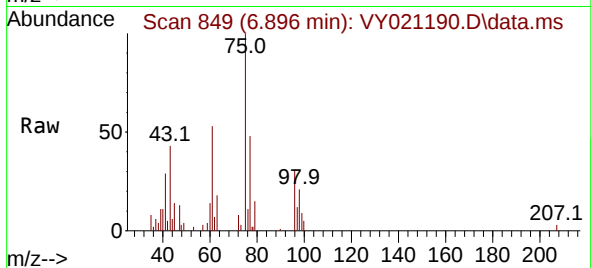
Tgt Ion: 63 Resp: 6433
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.4
 100 3.3 2.1 6.2





#25
2-Butanone
Concen: 14.424 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

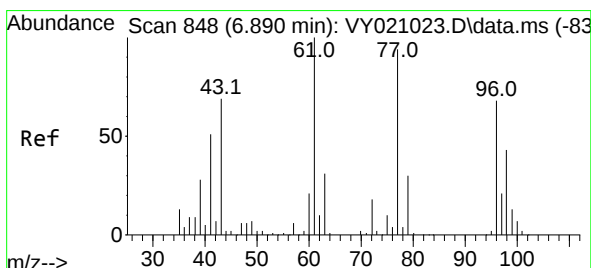
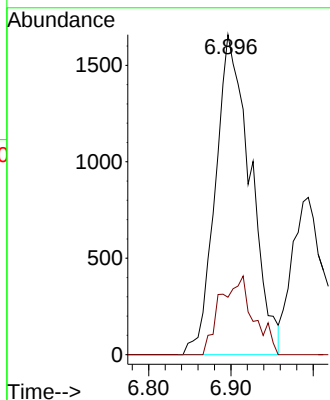
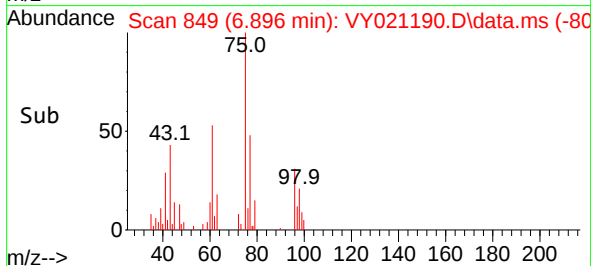
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
72 18.0 21.4 32.2

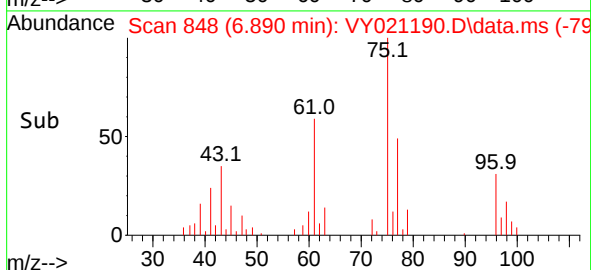
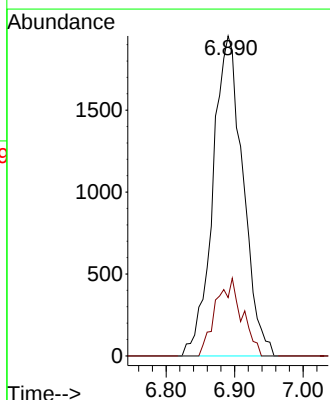
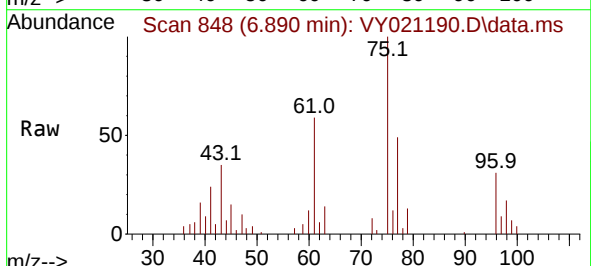
Manual Integrations
APPROVED

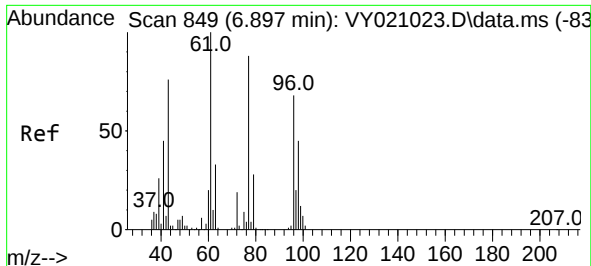
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#26
2,2-Dichloropropane
Concen: 2.560 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

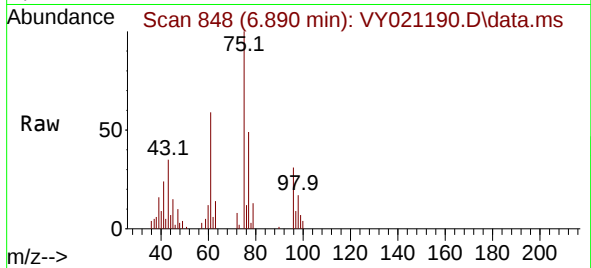
Tgt Ion: 77 Resp: 5952
Ion Ratio Lower Upper
77 100
97 21.3 11.7 35.0





#27
 cis-1,2-Dichloroethene
 Concen: 2.301 ug/l
 RT: 6.890 min Scan# 849
 Delta R.T. -0.006 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

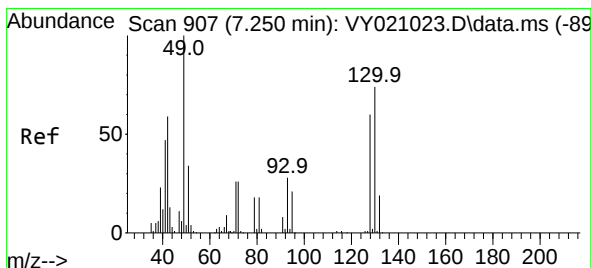
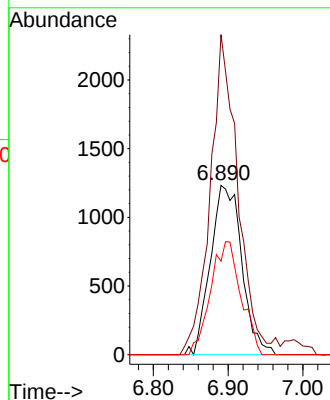
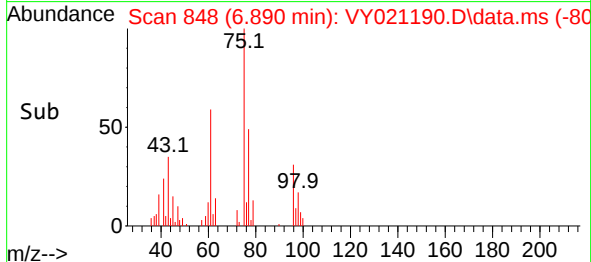
Instrument : MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion: 96 Resp: 3599
 Ion Ratio Lower Upper
 96 100
 61 166.1 0.0 278.8
 98 64.6 0.0 127.0

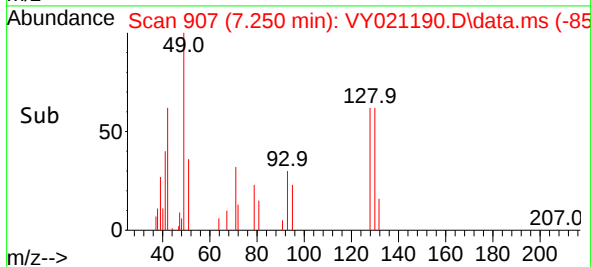
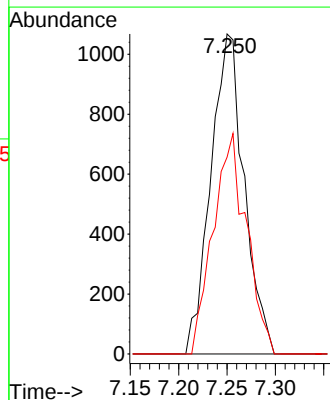
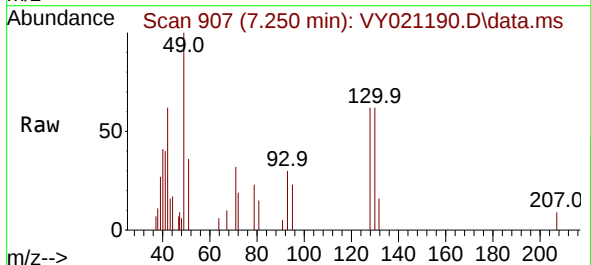
Manual Integrations
 APPROVED

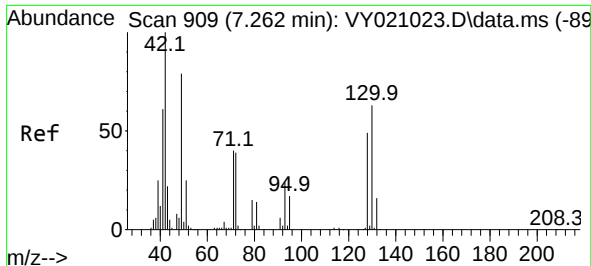
Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025



#28
 Bromochloromethane
 Concen: 2.583 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. -0.000 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

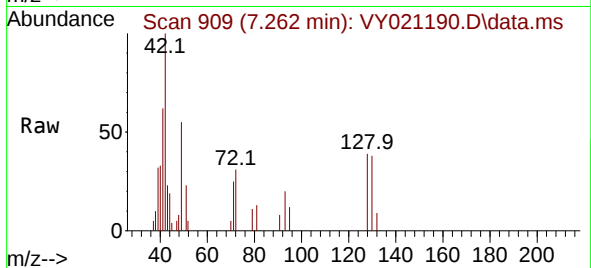
Tgt Ion: 49 Resp: 2566
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 68.9 59.8 89.8





#29
Tetrahydrofuran
Concen: 14.104 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

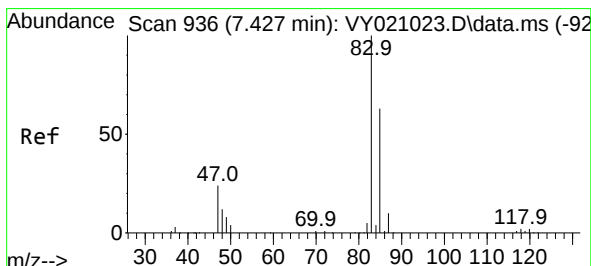
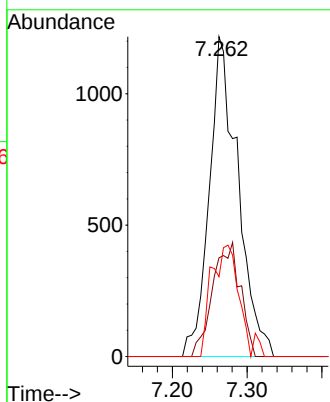
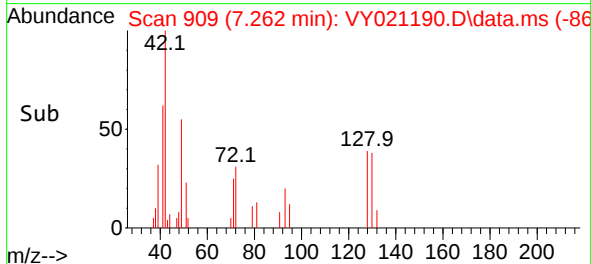
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



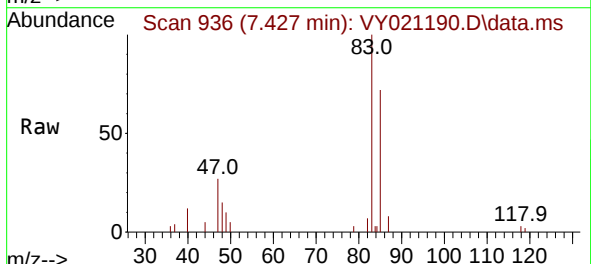
Tgt Ion: 42 Resp: 3244
Ion Ratio Lower Upper
42 100
72 34.3 36.6 54.8
71 32.6 33.8 50.6

Manual Integrations
APPROVED

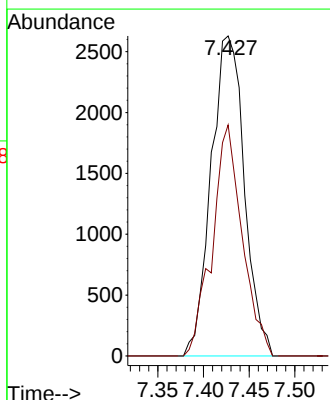
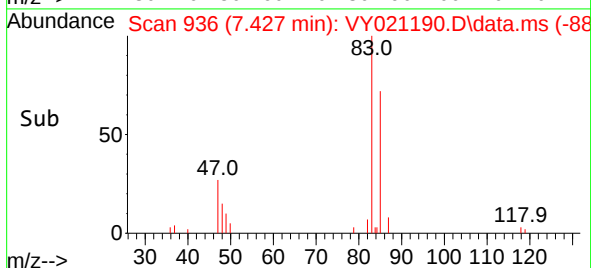
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

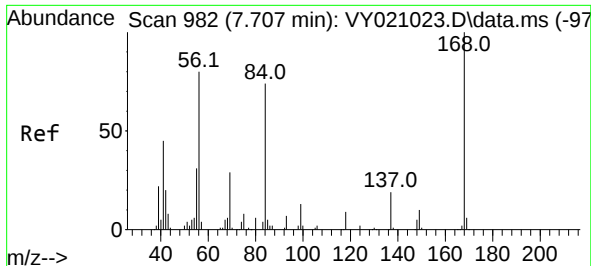


#30
Chloroform
Concen: 2.577 ug/l
RT: 7.427 min Scan# 936
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58



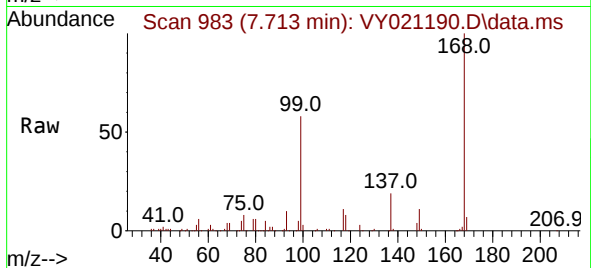
Tgt Ion: 83 Resp: 6650
Ion Ratio Lower Upper
83 100
85 72.2 51.2 76.8





#31
Cyclohexane
Concen: 3.289 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

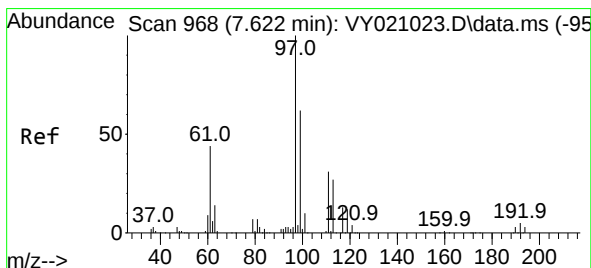
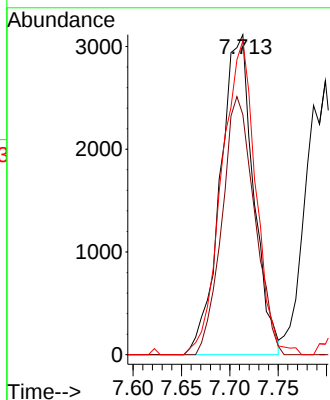
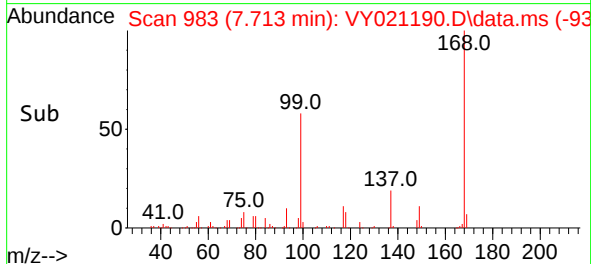
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 56 Resp: 744
Ion Ratio Lower Upper
56 100
69 75.1 27.0 40.6
84 98.0 71.8 107.6

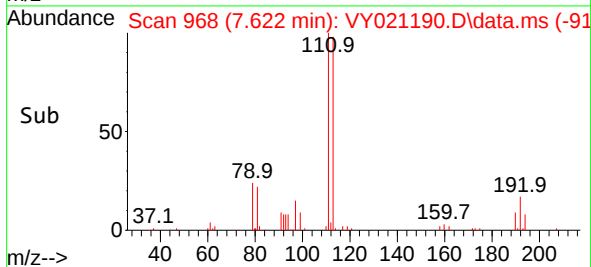
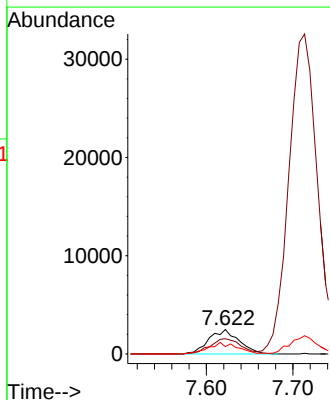
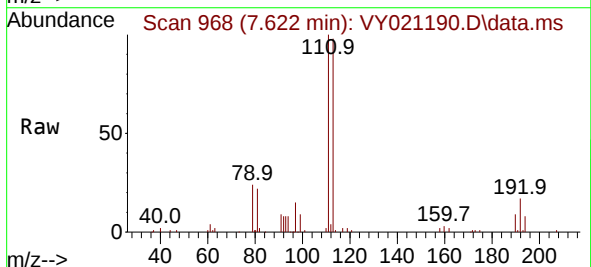
Manual Integrations
APPROVED

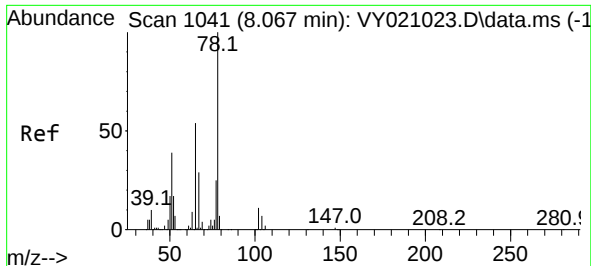
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#32
1,1,1-Trichloroethane
Concen: 2.495 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 97 Resp: 5986
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 45.3 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 53.569 ug/l

RT: 8.067 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 65 Resp: 7105

Ion Ratio Lower Upper

65 100

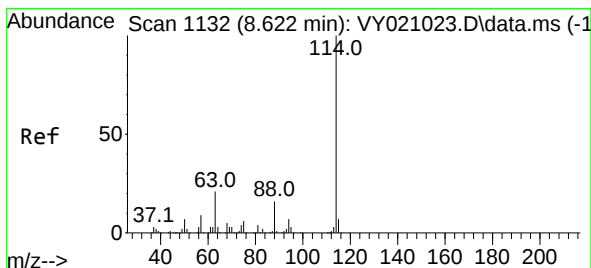
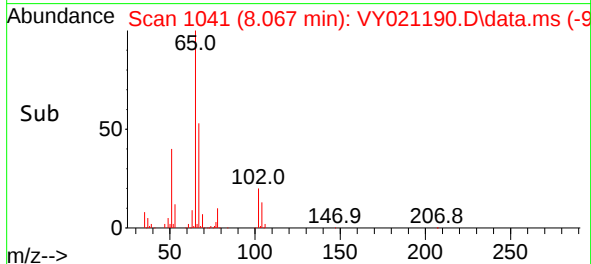
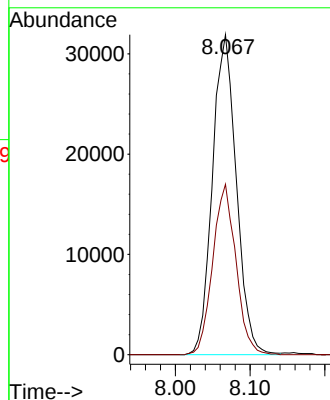
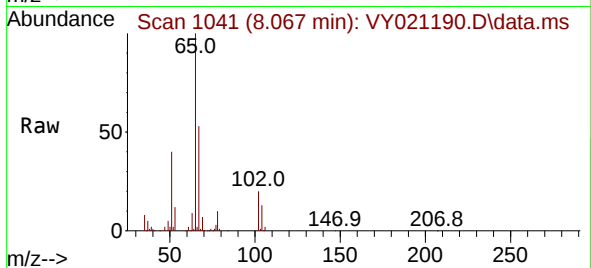
67 51.5 0.0 109.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

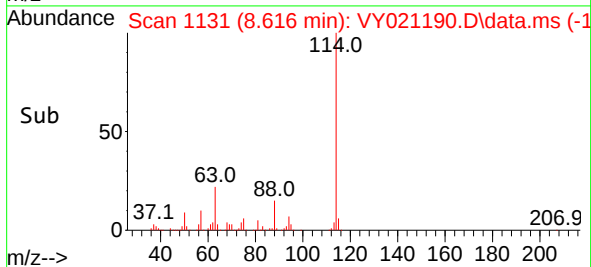
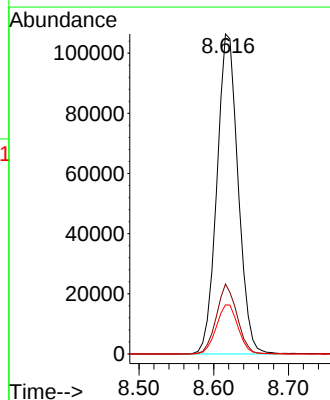
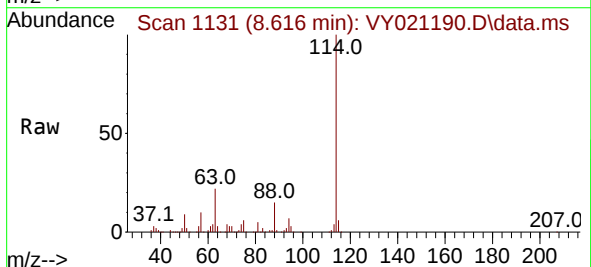
Tgt Ion:114 Resp: 210017

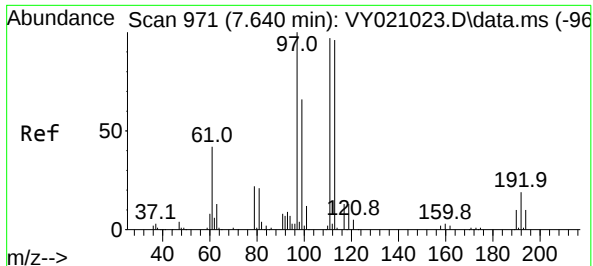
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.4

88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.564 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

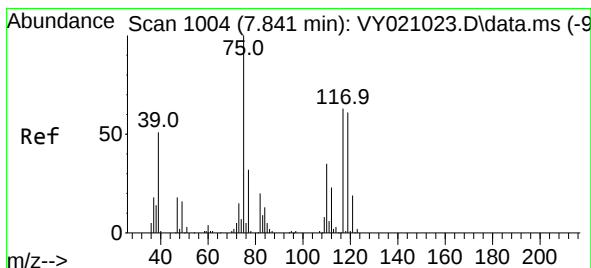
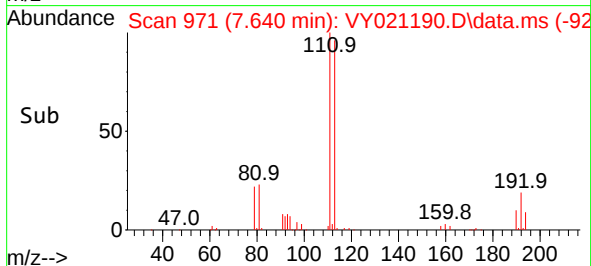
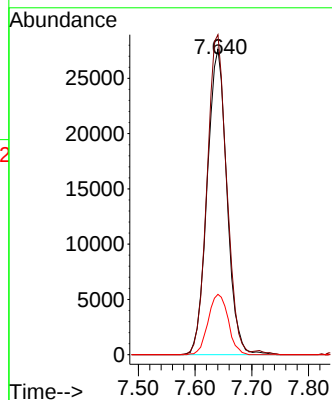
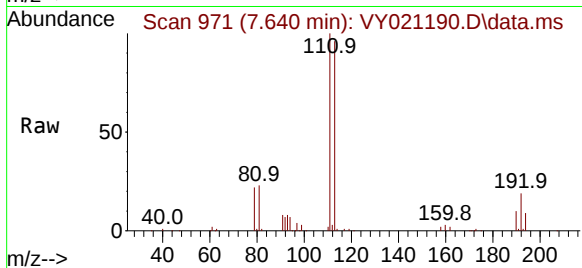
MDL-SOIL-03-QT1-2025

Tgt Ion:	113	Resp:	66709
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.8	125.6
192	20.0	14.5	21.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#36

1,1-Dichloropropene

Concen: 2.105 ug/l

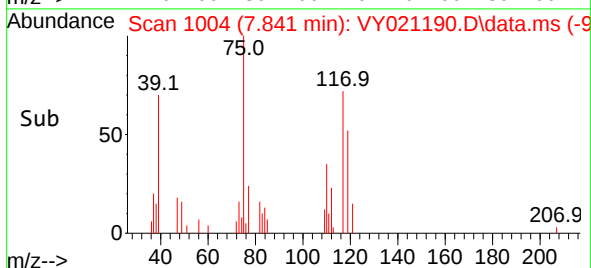
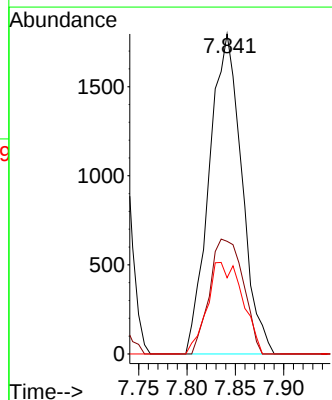
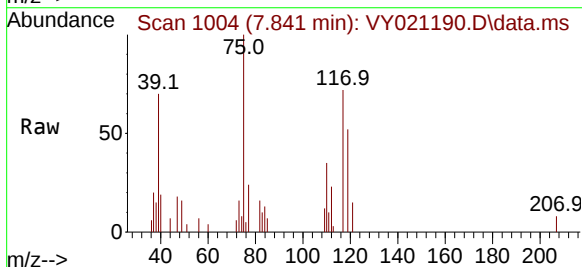
RT: 7.841 min Scan# 1004

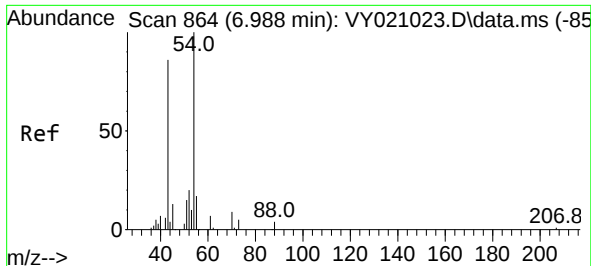
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

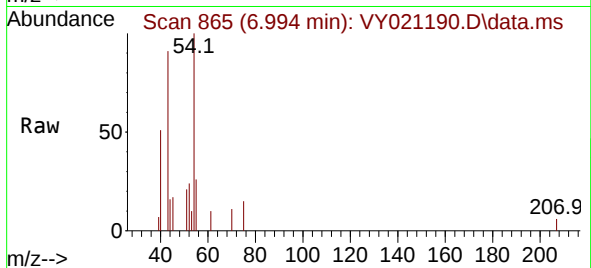
Tgt Ion:	75	Resp:	4196
Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.4	52.3
77	31.0	24.7	37.1





#37
Ethyl Acetate
Concen: 2.586 ug/l
RT: 6.994 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

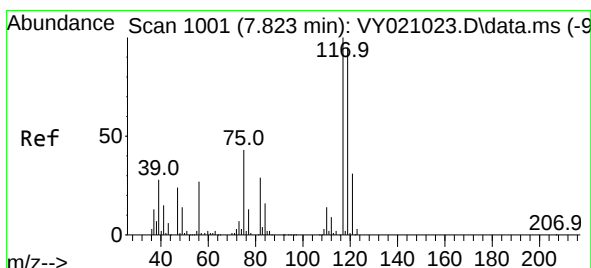
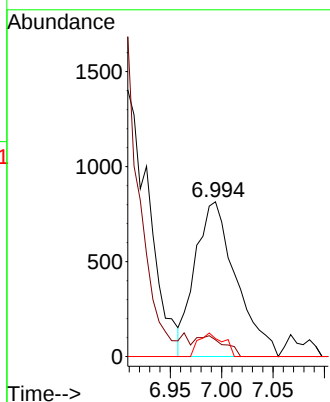
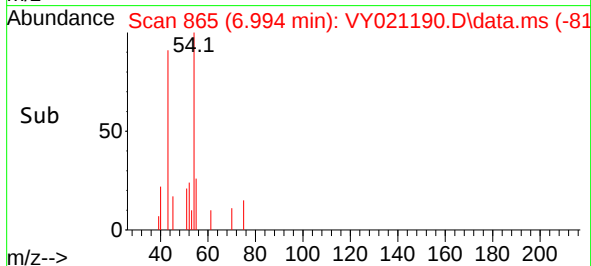
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6
70 9.2 8.1 12.1

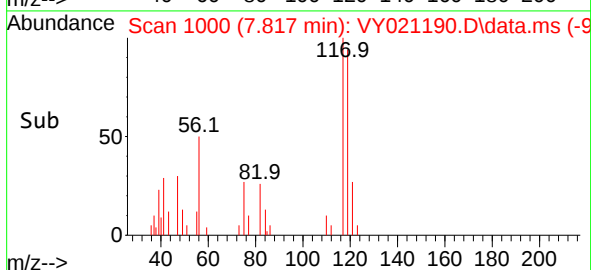
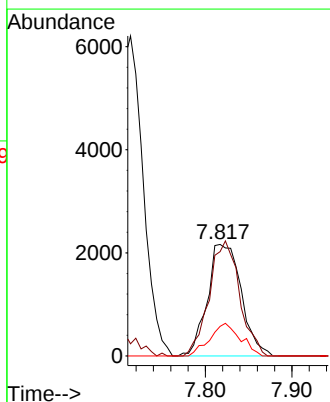
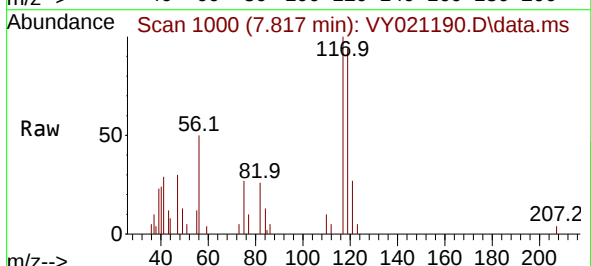
Manual Integrations
APPROVED

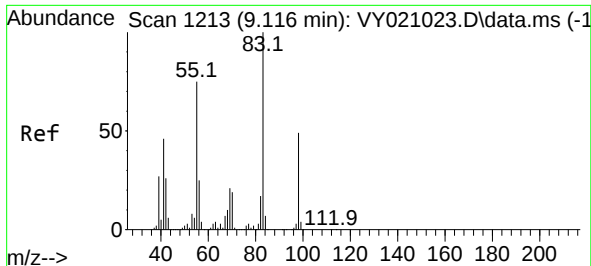
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#38
Carbon Tetrachloride
Concen: 2.529 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:117 Resp: 5890
Ion Ratio Lower Upper
117 100
119 93.6 76.0 114.0
121 26.5 24.2 36.2





#39

Methylcyclohexane

Concen: 2.102 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

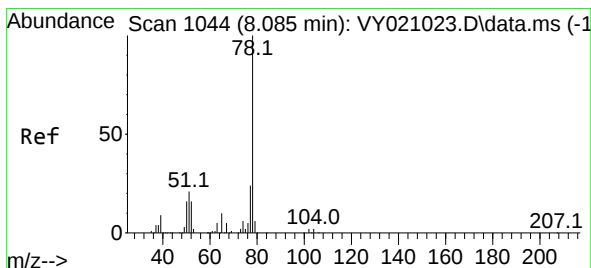
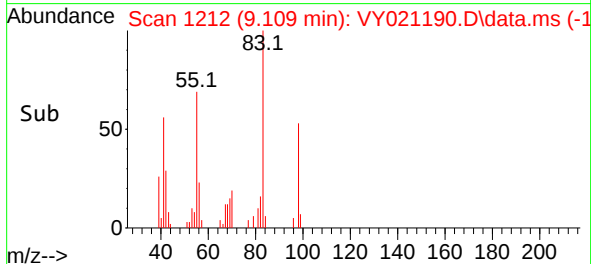
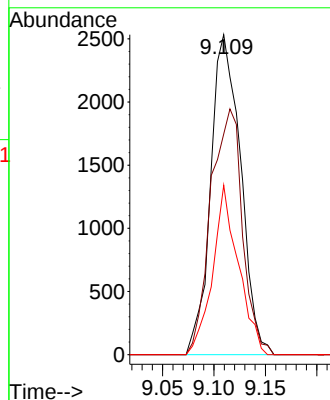
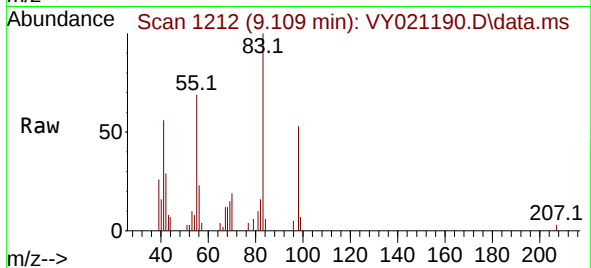
Tgt Ion: 83	Resp: 512
Ion Ratio	Lower Upper
83 100	
55 69.0	59.7 89.5
98 52.9	38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#40

Benzene

Concen: 2.274 ug/l

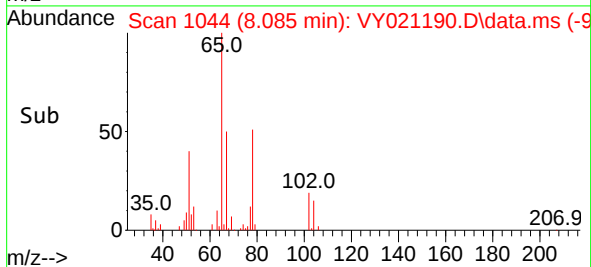
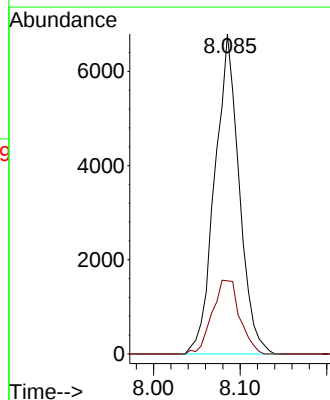
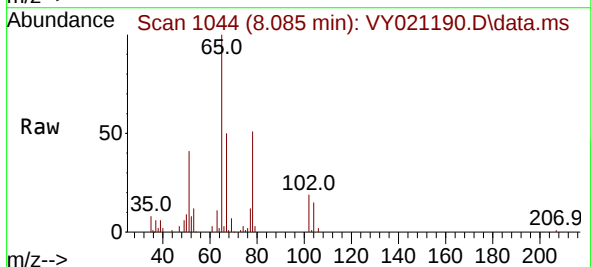
RT: 8.085 min Scan# 1044

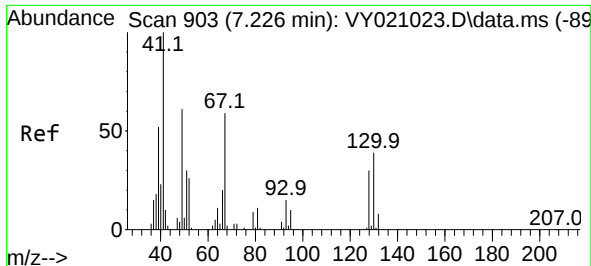
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

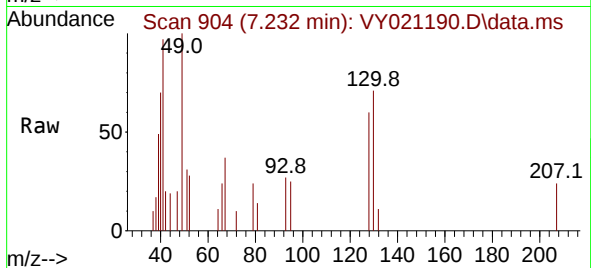
Tgt Ion: 78	Resp: 13303
Ion Ratio	Lower Upper
78 100	
77 22.8	18.8 28.2





#41
Methacrylonitrile
Concen: 2.403 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

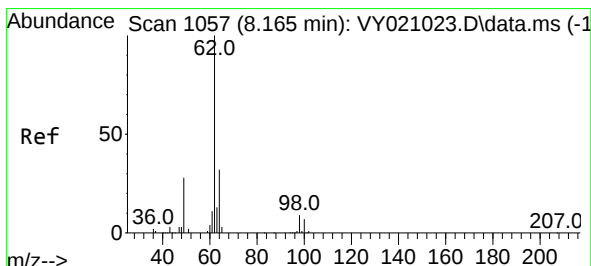
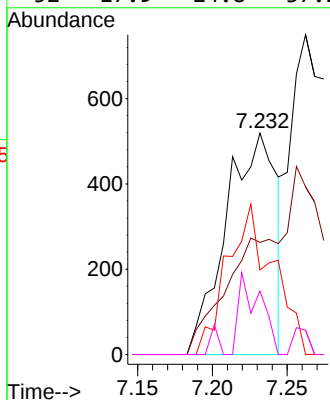
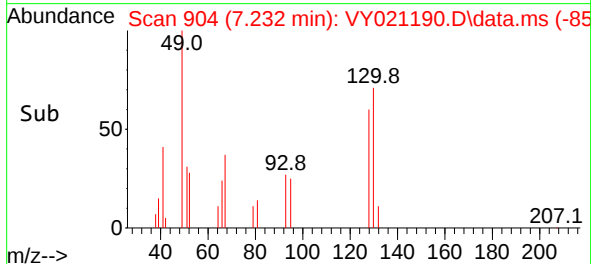
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 41 Resp: 1210
Ion Ratio Lower Upper
41 100
39 0.0 41.9 62.9
67 61.5 59.8 89.6
52 17.9 24.8 37.2#

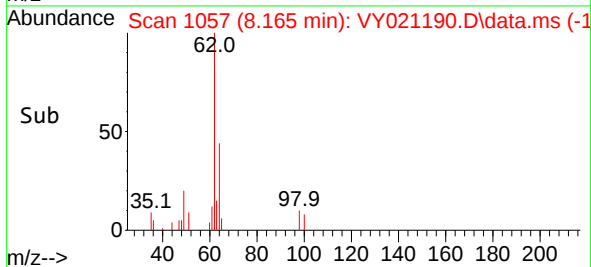
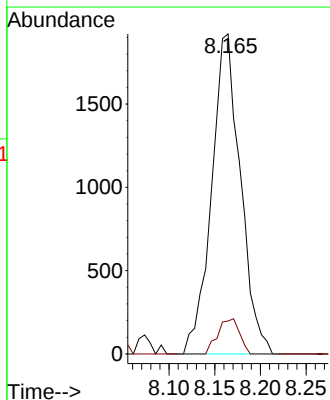
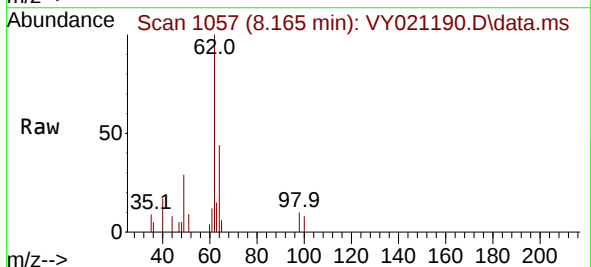
Manual Integrations
APPROVED

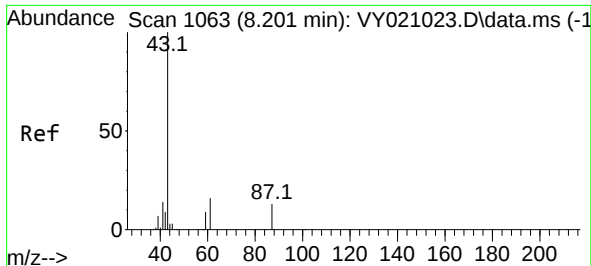
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#42
1,2-Dichloroethane
Concen: 2.603 ug/l
RT: 8.165 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

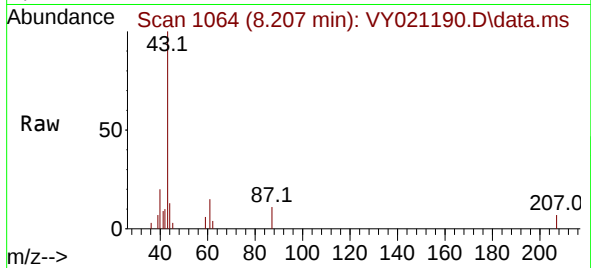
Tgt Ion: 62 Resp: 4224
Ion Ratio Lower Upper
62 100
98 8.3 0.0 20.2





#43
Isopropyl Acetate
Concen: 2.526 ug/l
RT: 8.207 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

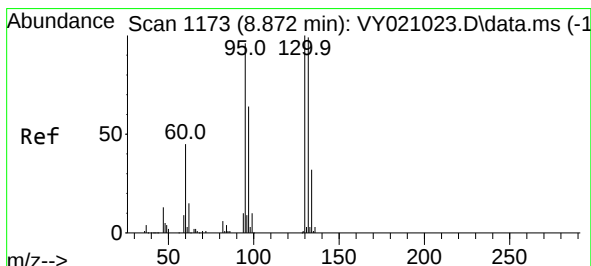
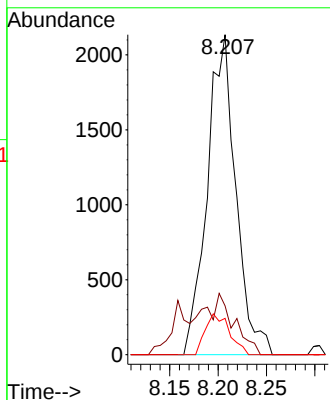
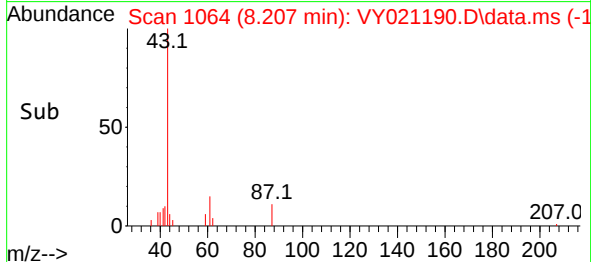
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 4389
Ion Ratio Lower Upper
43 100
61 21.2 24.8 37.2
87 10.8 10.7 16.1

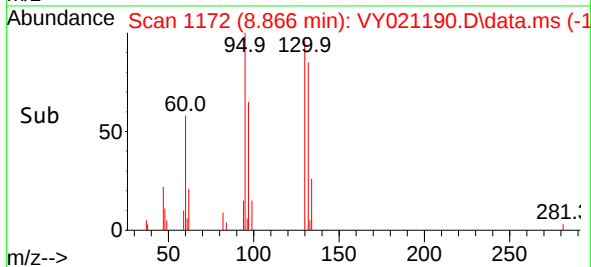
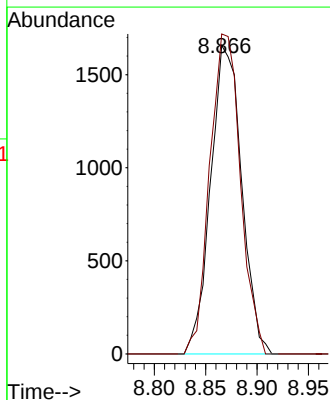
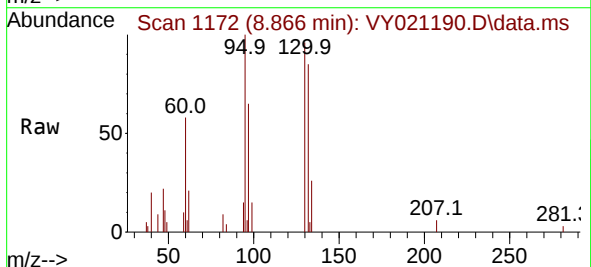
Manual Integrations
APPROVED

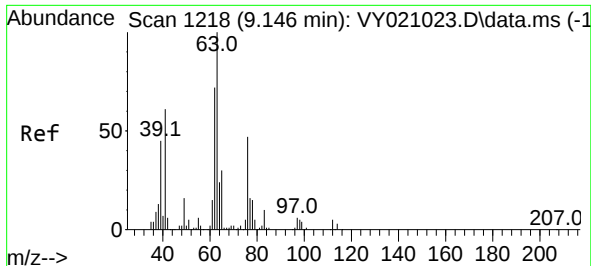
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#44
Trichloroethene
Concen: 2.302 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:130 Resp: 3479
Ion Ratio Lower Upper
130 100
95 103.7 0.0 203.8





#45

1,2-Dichloropropane

Concen: 2.355 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 63 Resp: 3270

Ion Ratio Lower Upper

63 100

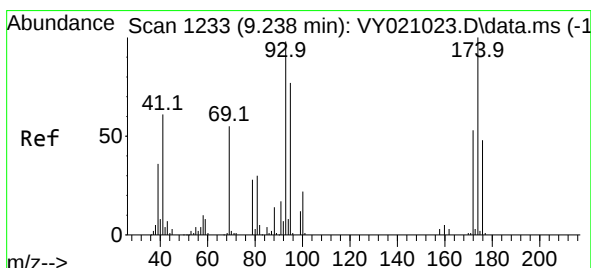
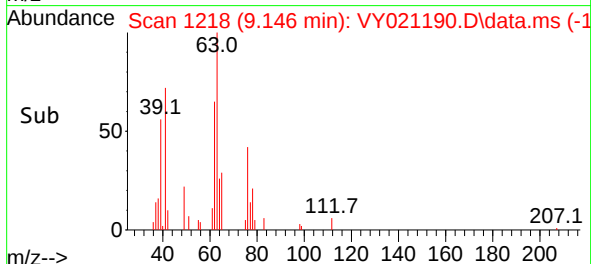
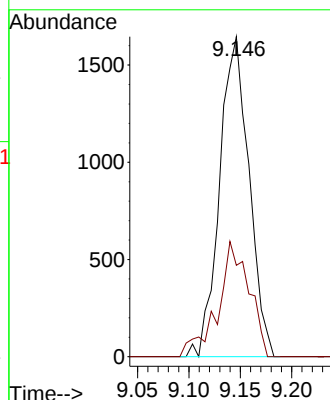
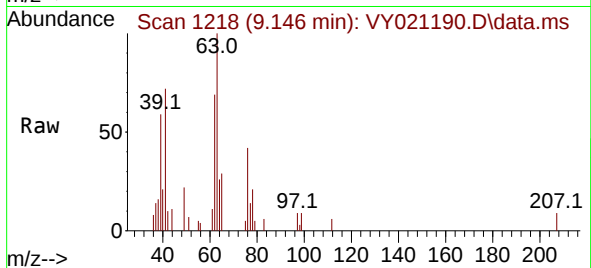
65 28.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#46

Dibromomethane

Concen: 2.276 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

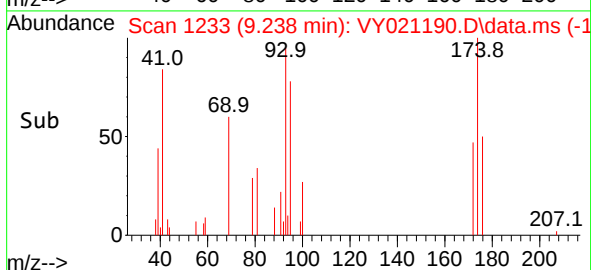
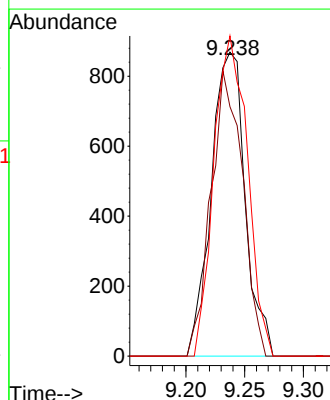
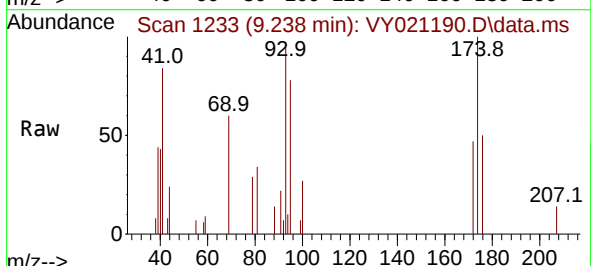
Tgt Ion: 93 Resp: 1750

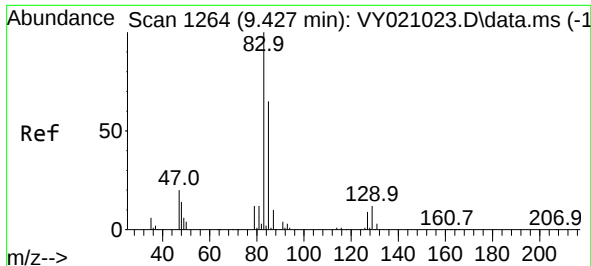
Ion Ratio Lower Upper

93 100

95 87.4 66.6 99.8

174 103.9 73.8 110.6





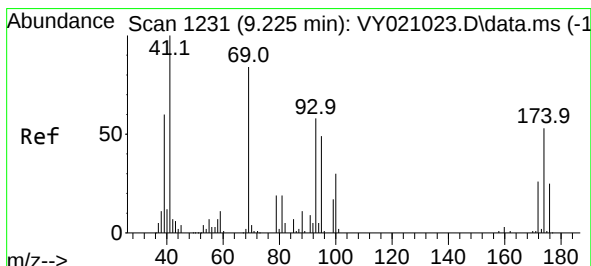
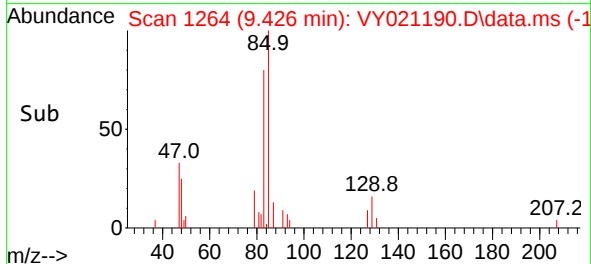
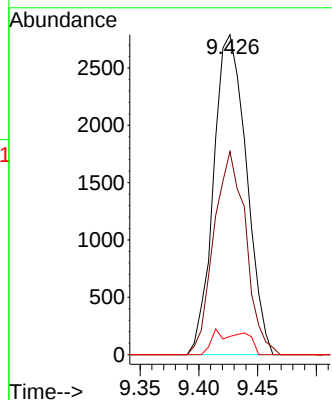
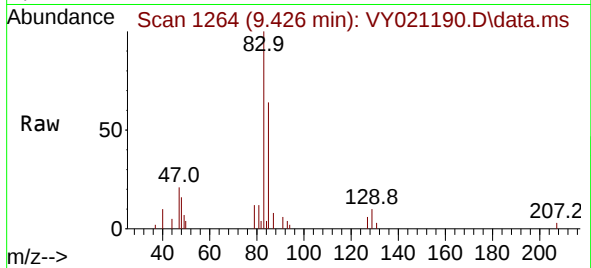
#47
Bromodichloromethane
Concen: 2.631 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion: 83 Resp: 542
Ion Ratio Lower Upper
83 100
85 63.5 53.2 79.8
127 5.7 6.4 9.6

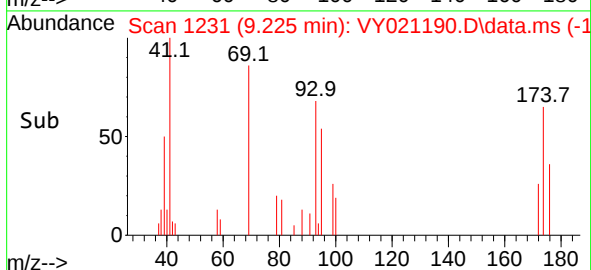
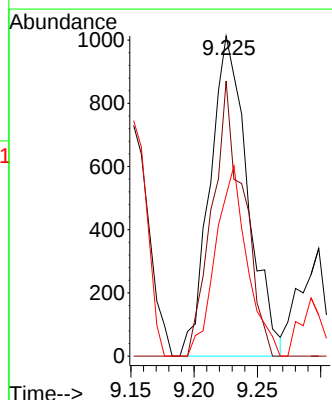
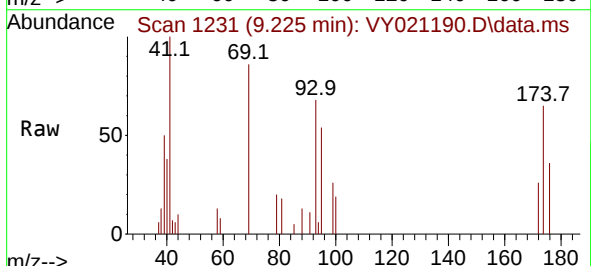
Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#48
Methyl methacrylate
Concen: 2.664 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 41 Resp: 2109
Ion Ratio Lower Upper
41 100
69 70.8 72.1 108.1#
39 49.8 42.8 64.2





#49

1,4-Dioxane

Concen: 39.820 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

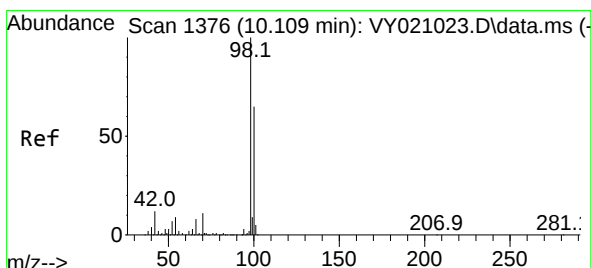
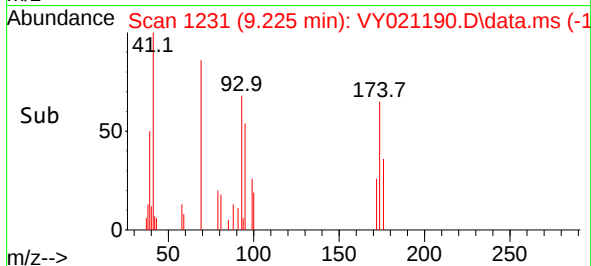
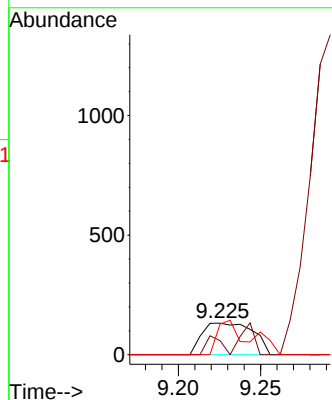
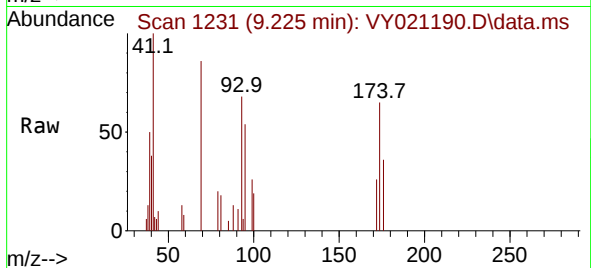
Tgt Ion:	88	Resp:	288
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.2	42.4
58	48.8	52.2	78.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#50

Toluene-d8

Concen: 48.226 ug/l

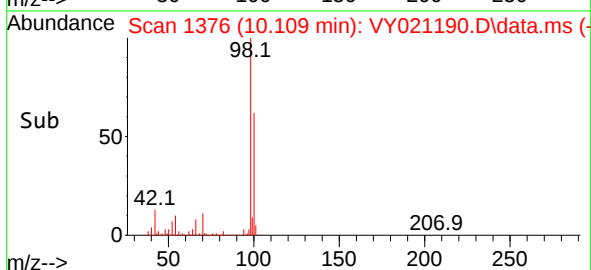
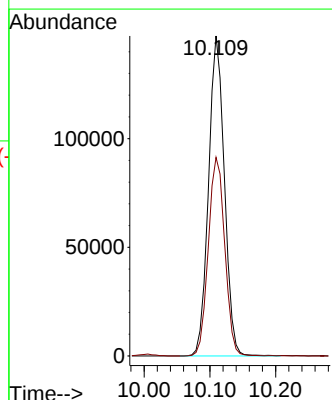
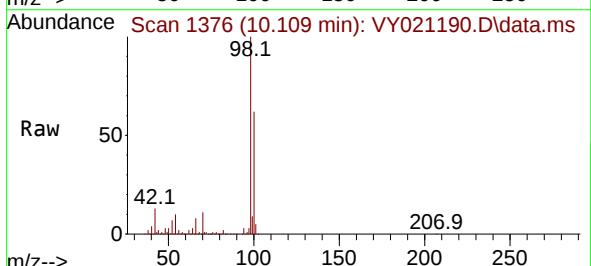
RT: 10.109 min Scan# 1376

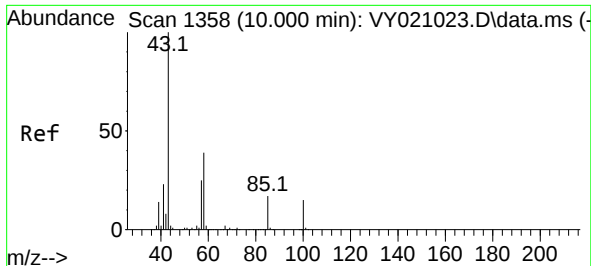
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

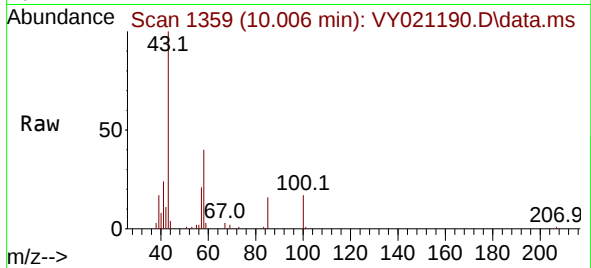
Tgt Ion:	98	Resp:	247110
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.3	78.5





#51
4-Methyl-2-Pentanone
Concen: 11.659 ug/l
RT: 10.006 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

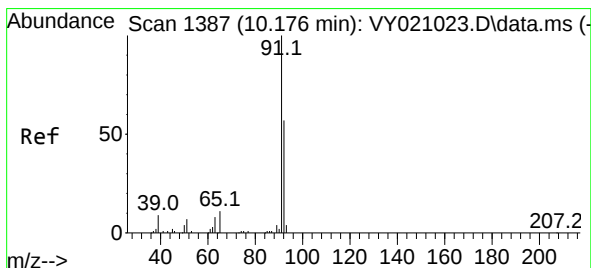
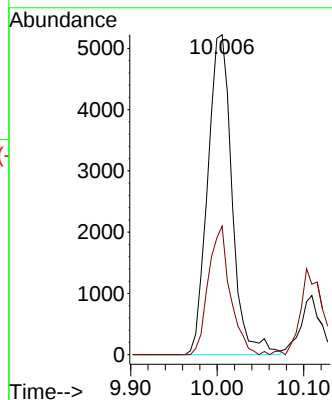
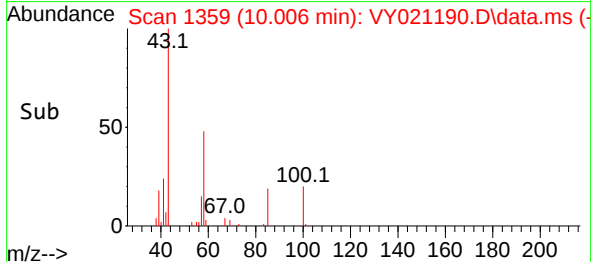
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
58 35.9 32.2 48.2

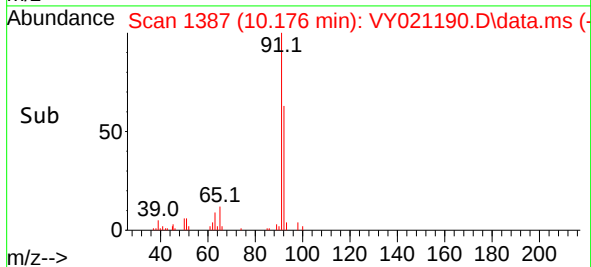
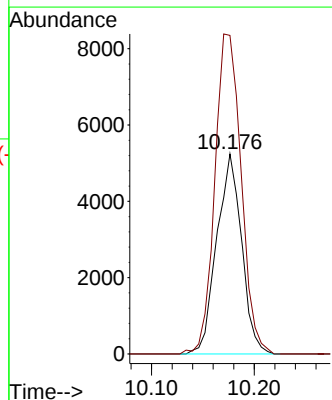
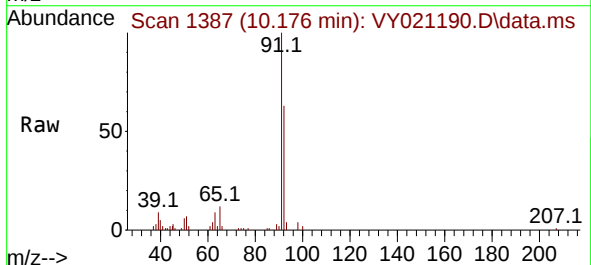
Manual Integrations
APPROVED

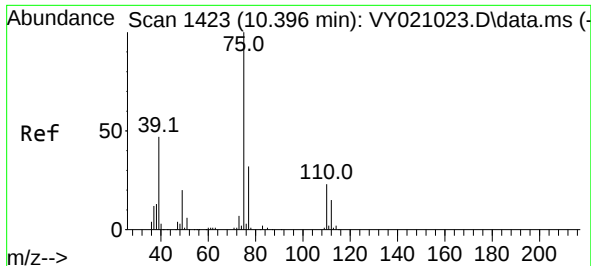
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#52
Toluene
Concen: 2.393 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

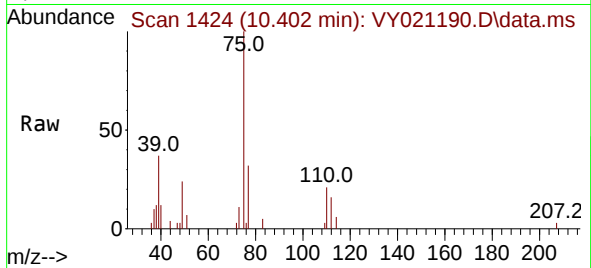
Tgt Ion: 92 Resp: 8790
Ion Ratio Lower Upper
92 100
91 169.6 137.6 206.4





#53
t-1,3-Dichloropropene
Concen: 2.317 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

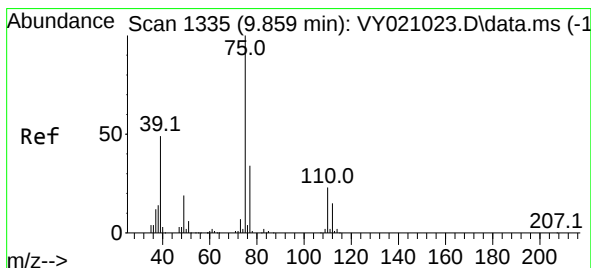
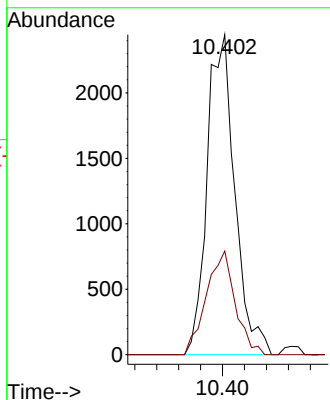
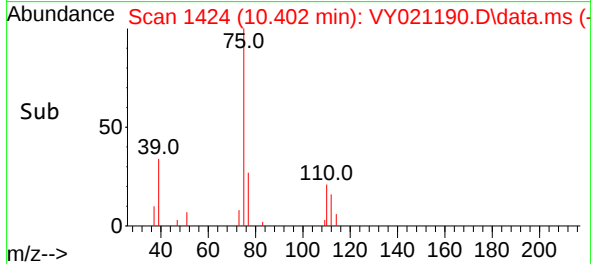
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 75 Resp: 4290
Ion Ratio Lower Upper
75 100
77 32.4 24.6 36.8

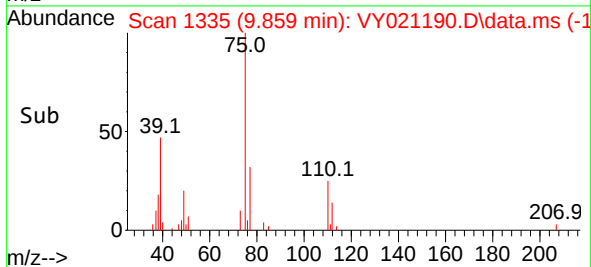
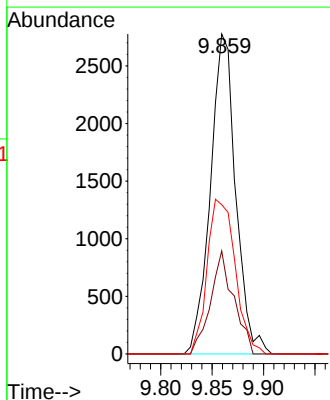
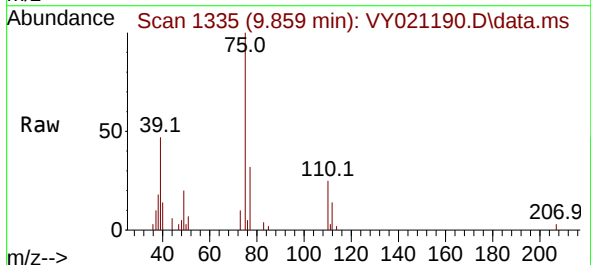
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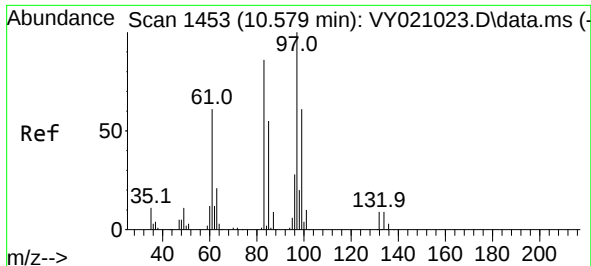
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#54
cis-1,3-Dichloropropene
Concen: 2.169 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

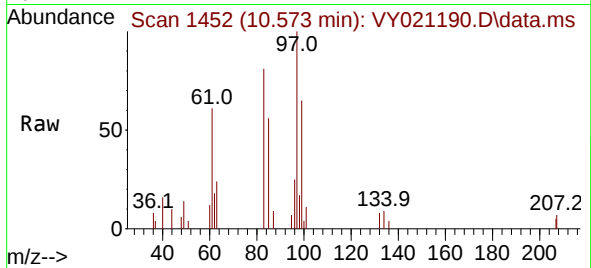
Tgt Ion: 75 Resp: 4755
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 46.7 33.6 50.4





#55
1,1,2-Trichloroethane
Concen: 2.791 ug/l
RT: 10.573 min Scan# 1453
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

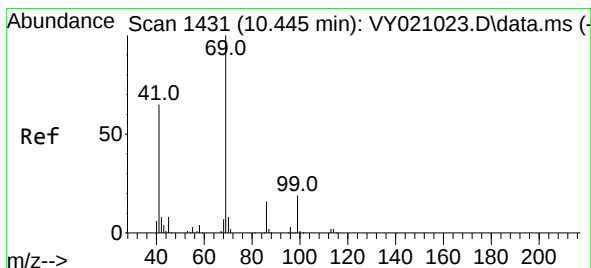
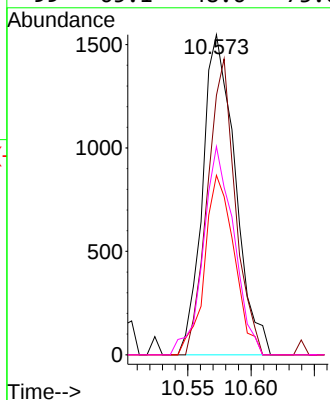
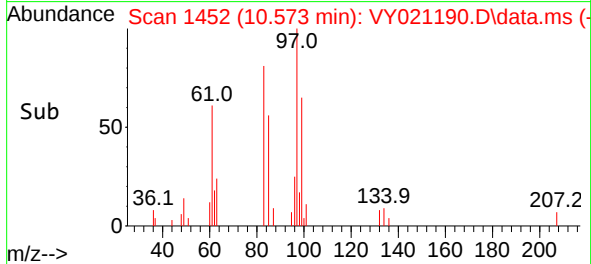
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion:	97	Resp:	2779
Ion	Ratio	Lower	Upper
97	100		
83	81.1	69.4	104.2
85	56.1	43.9	65.9
99	65.1	48.6	73.0

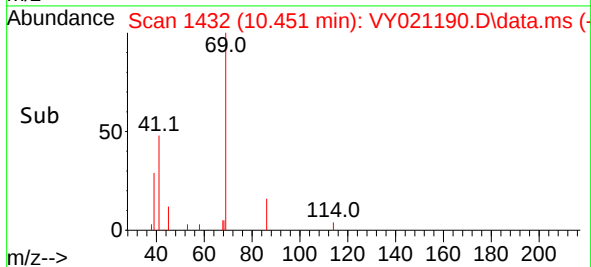
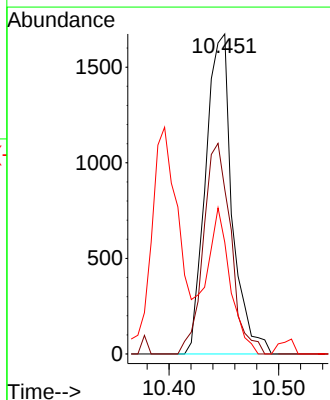
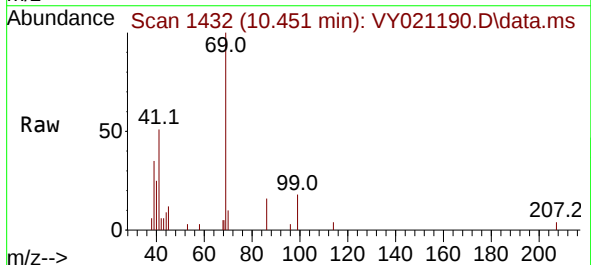
Manual Integrations
APPROVED

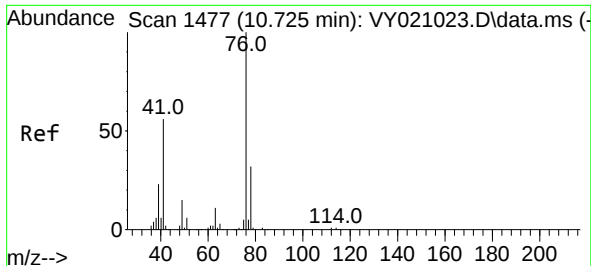
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#56
Ethyl methacrylate
Concen: 2.123 ug/l
RT: 10.451 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:	69	Resp:	2827
Ion	Ratio	Lower	Upper
69	100		
41	67.7	49.2	73.8
39	37.7	26.8	40.2





#57

1,3-Dichloropropane

Concen: 2.405 ug/l

RT: 10.719 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 76 Resp: 414

Ion Ratio Lower Upper

76 100

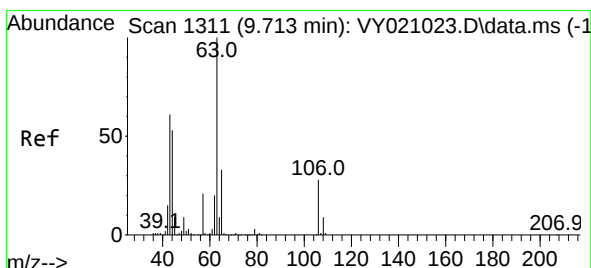
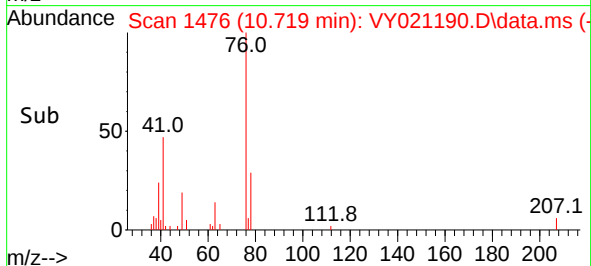
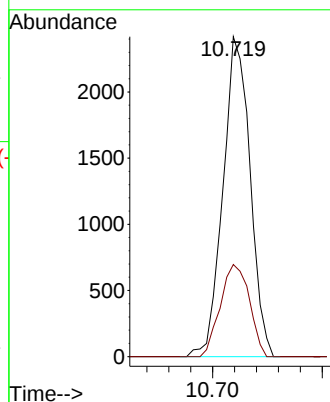
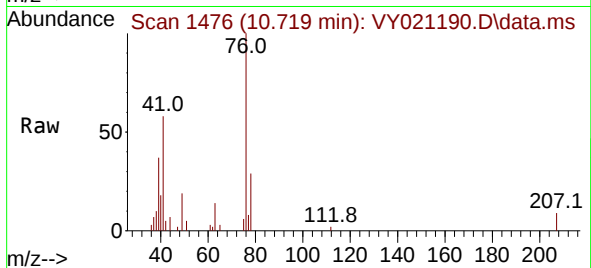
78 30.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 9.780 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY021190.D

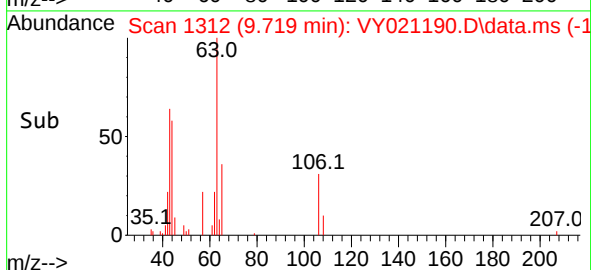
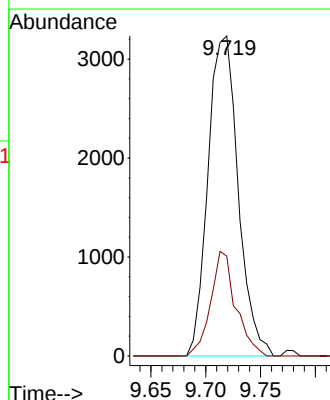
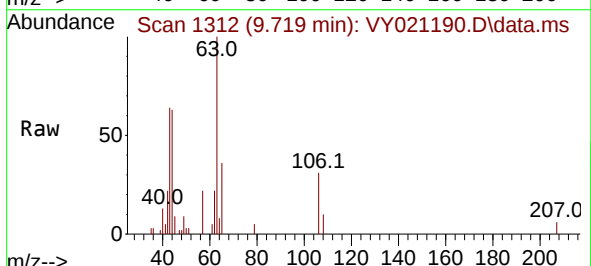
Acq: 13 Feb 2025 11:58

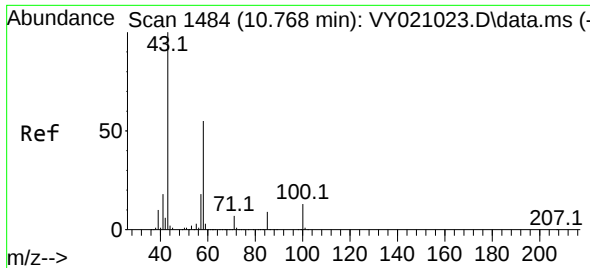
Tgt Ion: 63 Resp: 6197

Ion Ratio Lower Upper

63 100

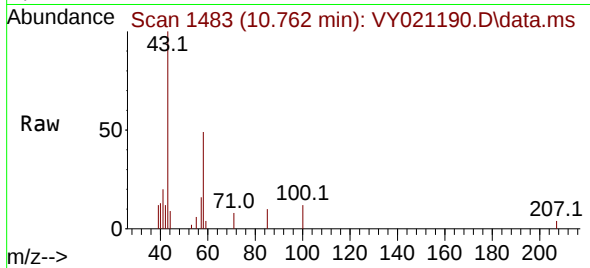
106 27.2 22.4 33.6





#59
2-Hexanone
Concen: 10.287 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

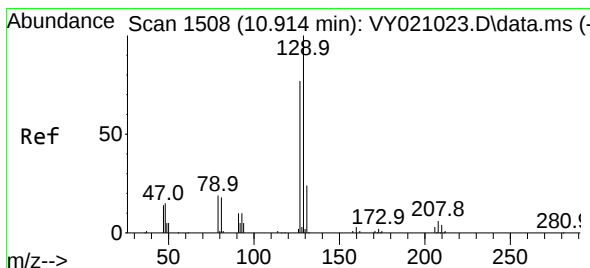
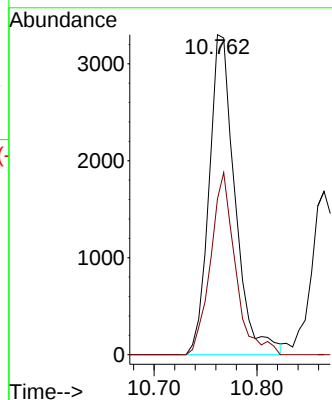
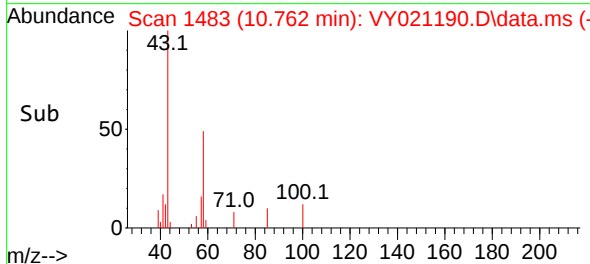
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



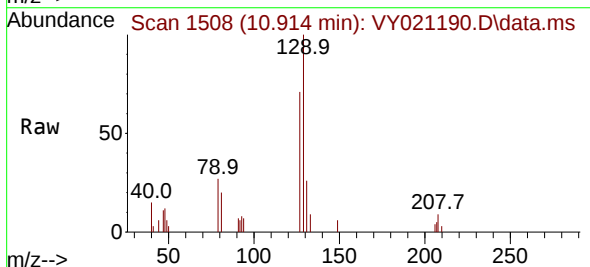
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
58 54.4 28.1 84.3

Manual Integrations
APPROVED

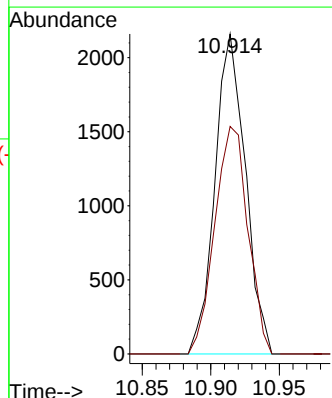
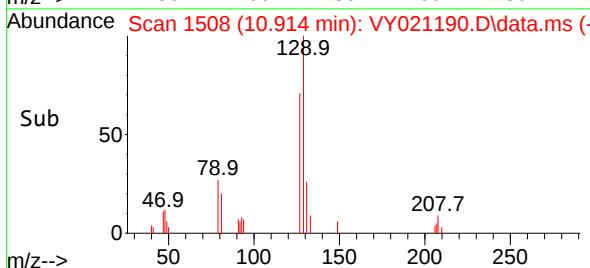
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

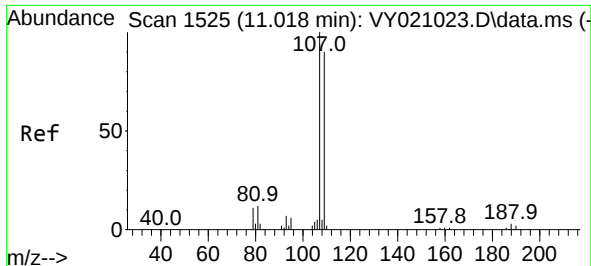


#60
Dibromochloromethane
Concen: 2.385 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58



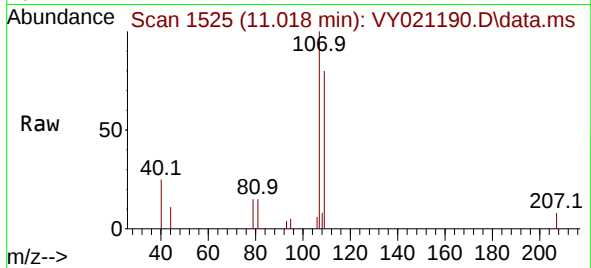
Tgt Ion:129 Resp: 3335
Ion Ratio Lower Upper
129 100
127 77.5 39.2 117.6





#61
1,2-Dibromoethane
Concen: 2.327 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

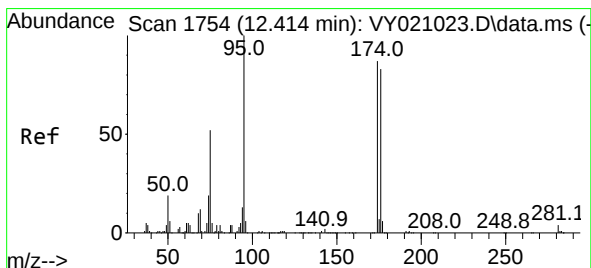
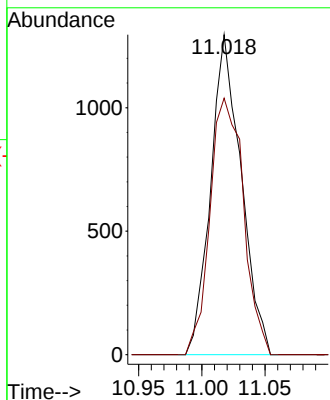
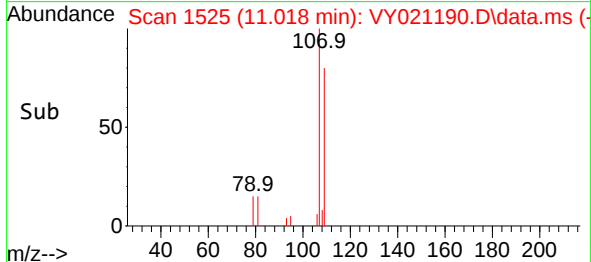
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



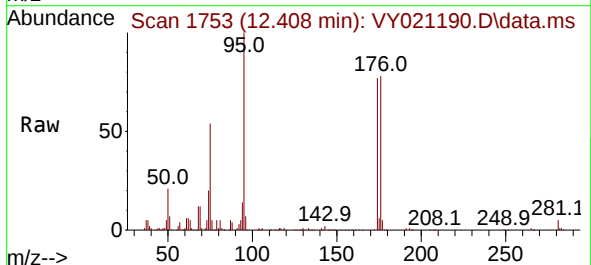
Tgt Ion:107 Resp: 2170
Ion Ratio Lower Upper
107 100
109 88.1 75.4 113.2

Manual Integrations
APPROVED

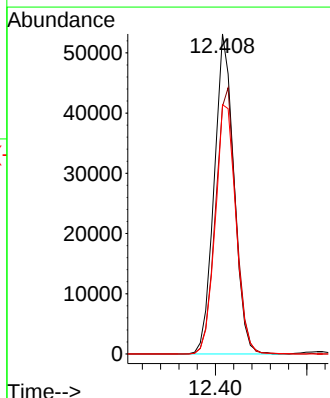
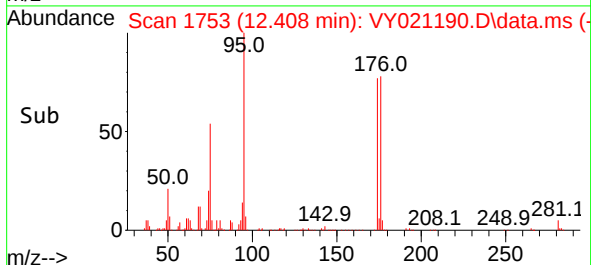
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025

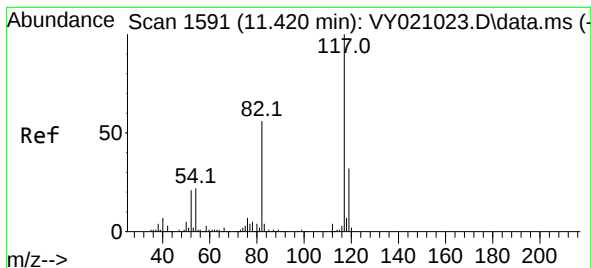


#62
4-Bromofluorobenzene
Concen: 47.669 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58



Tgt Ion: 95 Resp: 79798
Ion Ratio Lower Upper
95 100
174 85.5 0.0 160.0
176 81.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

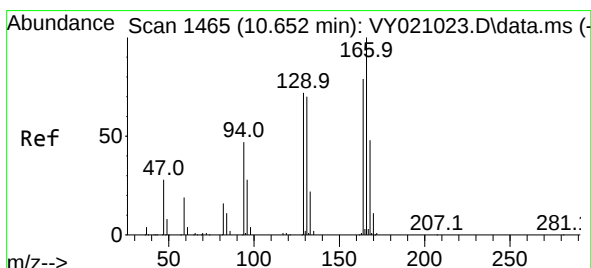
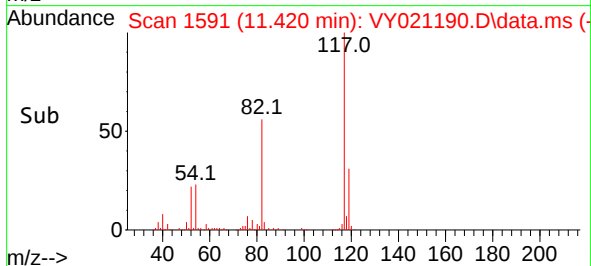
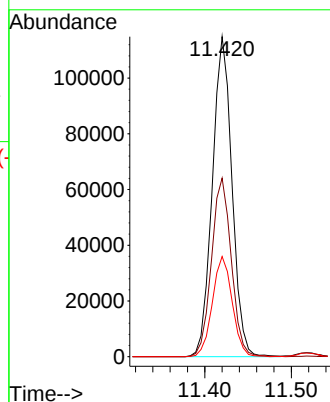
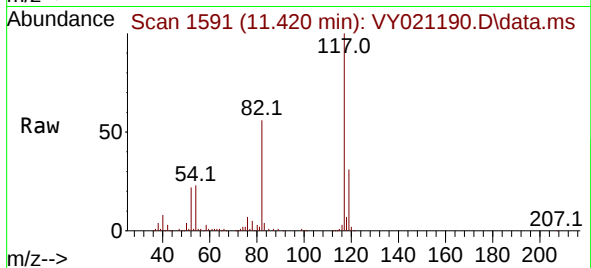
MDL-SOIL-03-QT1-2025

Tgt Ion:	117	Resp:	181049
Ion Ratio	Lower	Upper	
117	100		
82	55.8	43.8	65.8
119	31.3	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#64

Tetrachloroethene

Concen: 2.321 ug/l

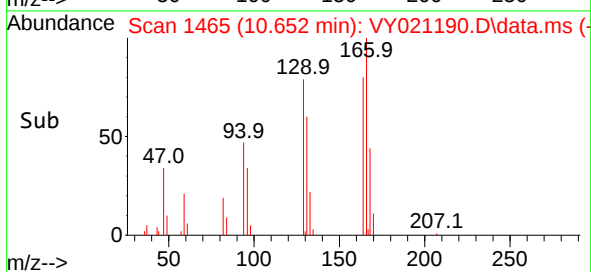
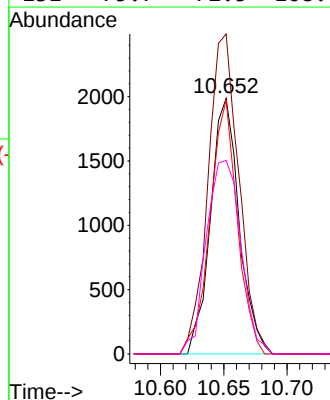
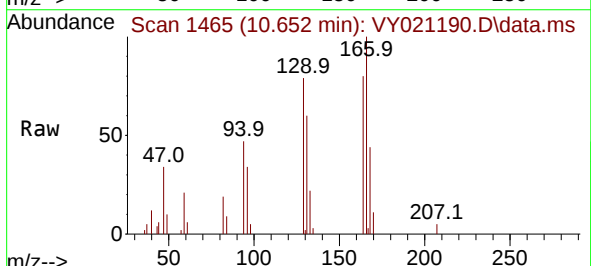
RT: 10.652 min Scan# 1465

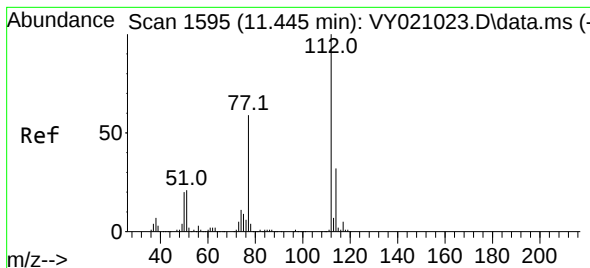
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Tgt Ion:	164	Resp:	3120
Ion Ratio	Lower	Upper	
164	100		
166	125.2	98.8	148.2
129	99.3	78.9	118.3
131	75.7	72.5	108.7





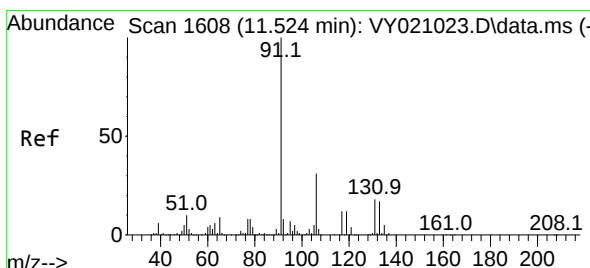
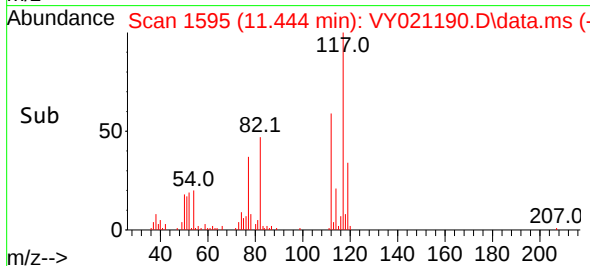
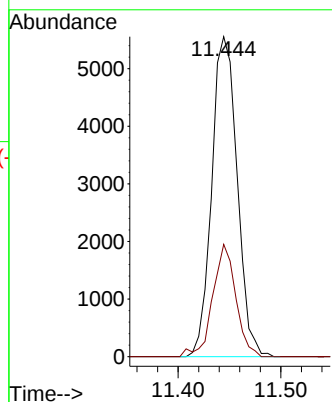
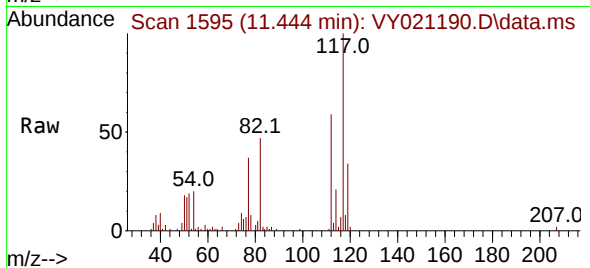
#65
Chlorobenzene
Concen: 2.363 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion:112 Resp: 9520
Ion Ratio Lower Upper
112 100
114 35.1 26.1 39.1

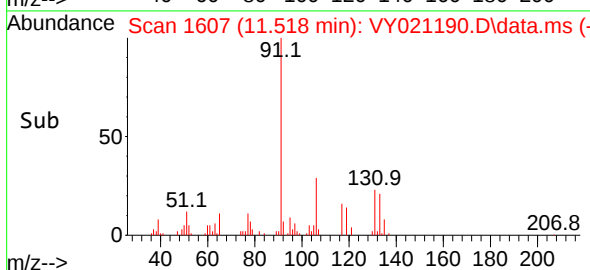
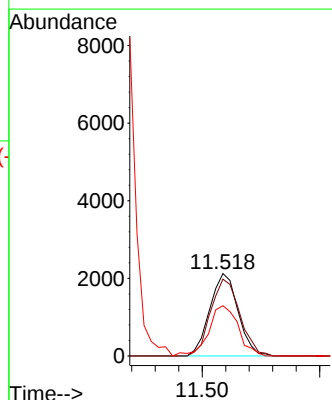
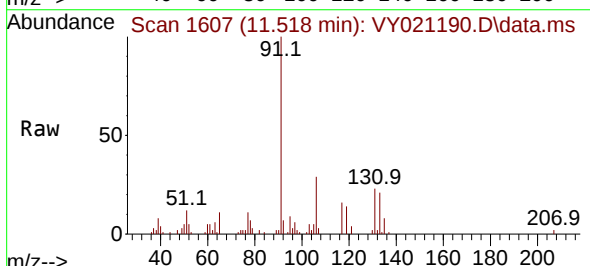
Manual Integrations
APPROVED

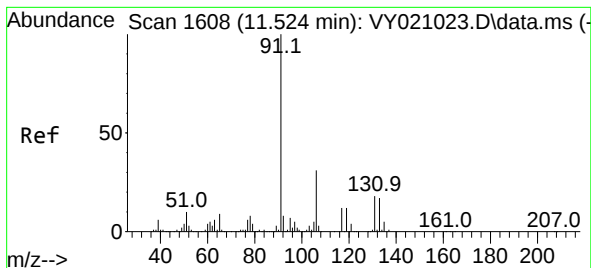
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 2.479 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:131 Resp: 3552
Ion Ratio Lower Upper
131 100
133 96.2 47.0 141.0
119 62.0 33.3 99.9





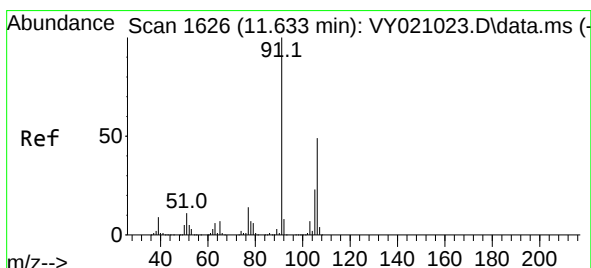
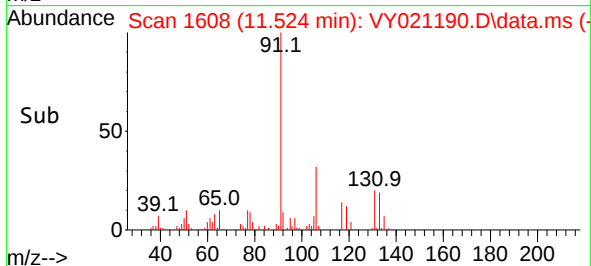
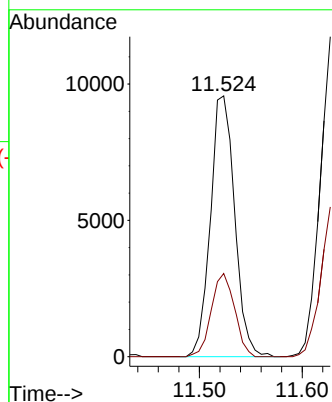
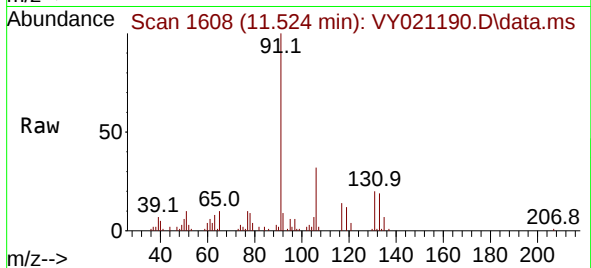
#67
Ethyl Benzene
Concen: 2.200 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 15690
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.4

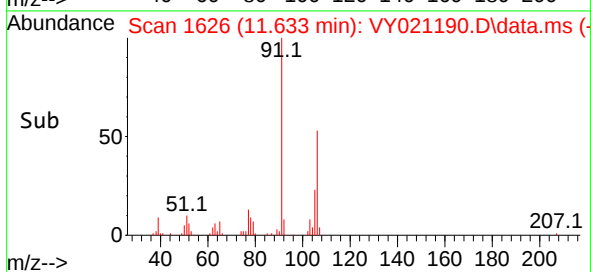
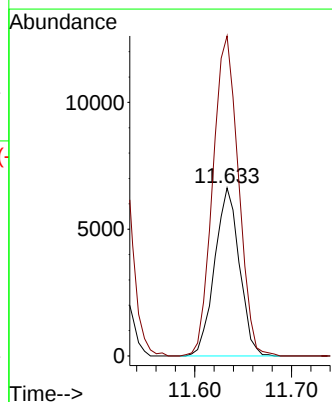
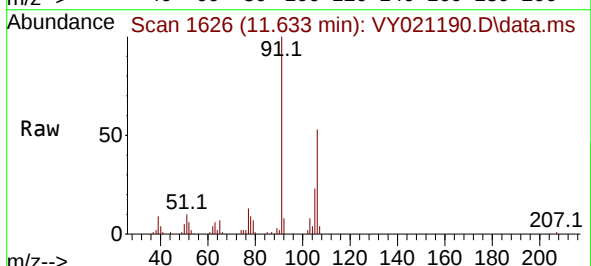
Manual Integrations
APPROVED

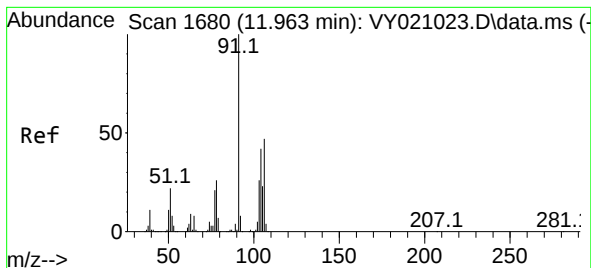
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#68
m/p-Xylenes
Concen: 4.404 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:106 Resp: 11747
Ion Ratio Lower Upper
106 100
91 197.8 160.7 241.1





#69

o-Xylene

Concen: 2.232 ug/l

RT: 11.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:106 Resp: 555

Ion Ratio Lower Upper

106 100

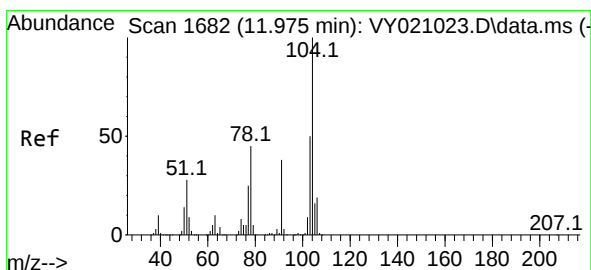
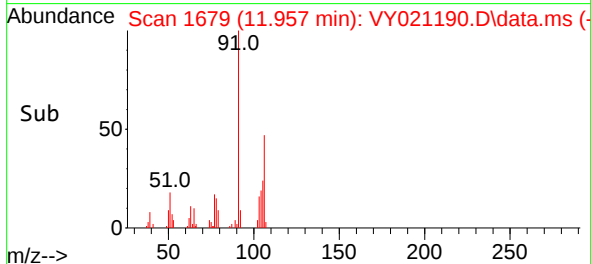
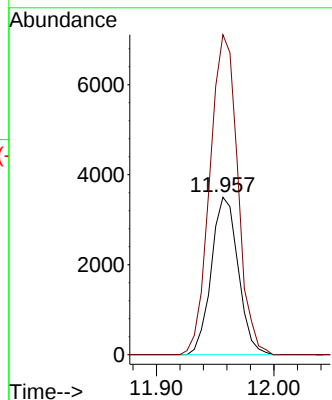
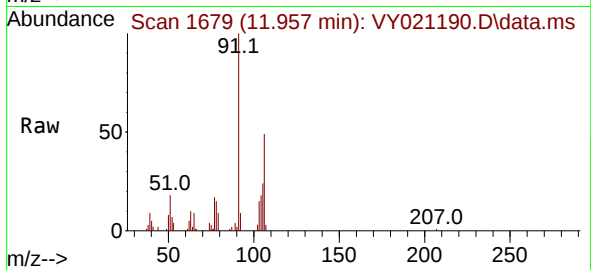
91 211.3 106.5 319.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025

Supervised By :Mahesh Dadoda 02/14/2025



#70

Styrene

Concen: 2.008 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

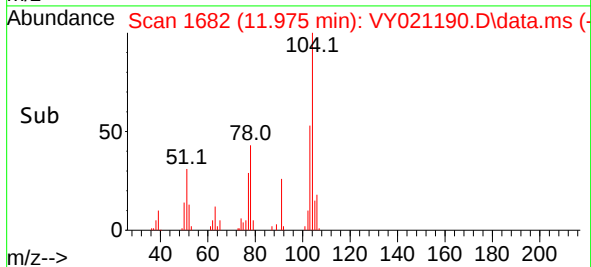
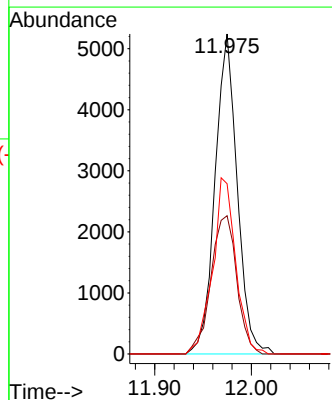
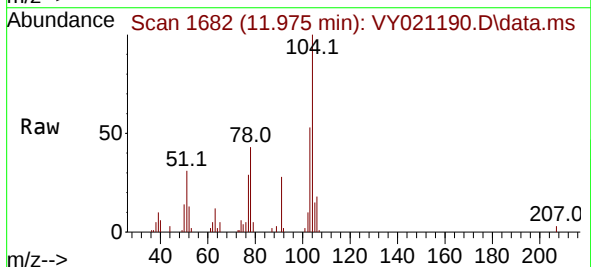
Tgt Ion:104 Resp: 8324

Ion Ratio Lower Upper

104 100

78 50.5 39.2 58.8

103 57.4 43.8 65.6





#71

Bromoform

Concen: 2.416 ug/l

RT: 12.139 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

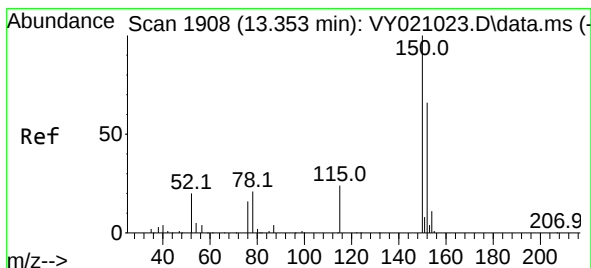
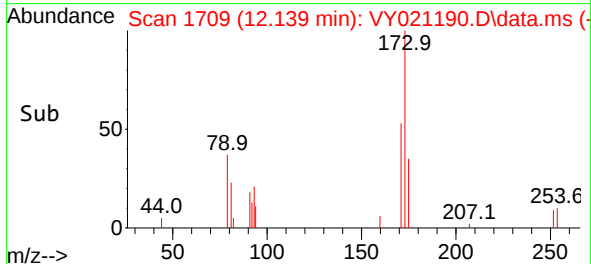
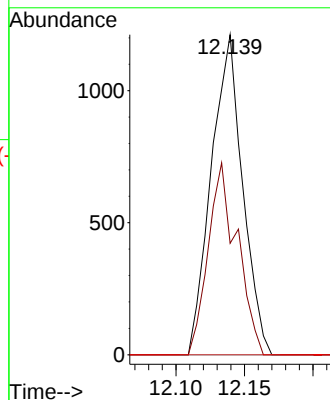
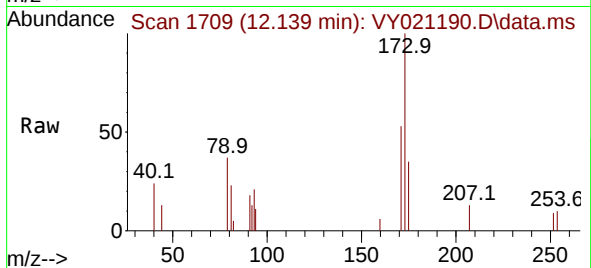
MDL-SOIL-03-QT1-2025

Tgt Ion:	173	Resp:	192
Ion Ratio	Lower	Upper	
173	100		
175	55.5	23.5	70.6
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

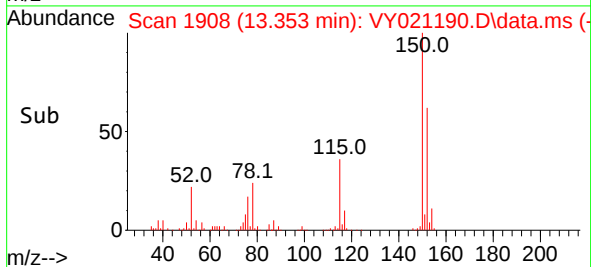
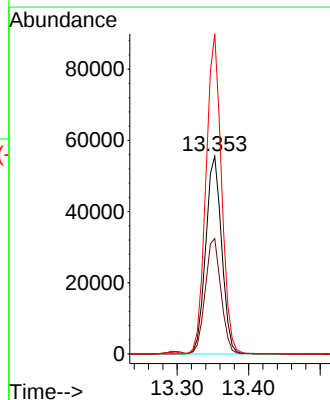
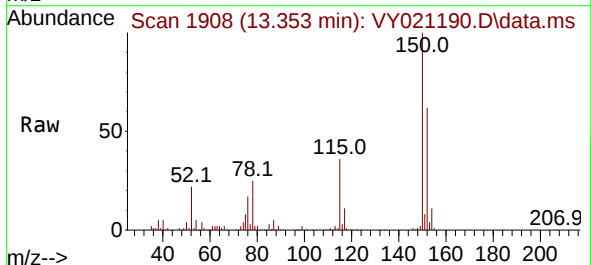
RT: 13.353 min Scan# 1908

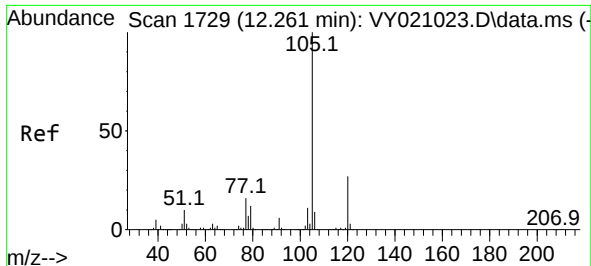
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Tgt Ion:	152	Resp:	85858
Ion Ratio	Lower	Upper	
152	100		
115	57.9	30.0	90.0
150	157.7	0.0	344.6





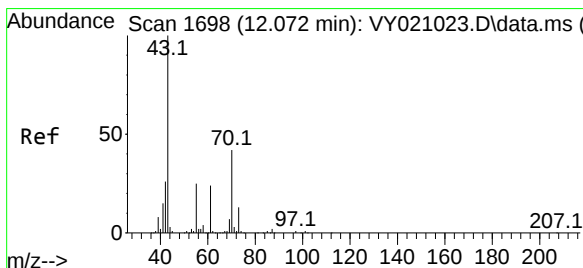
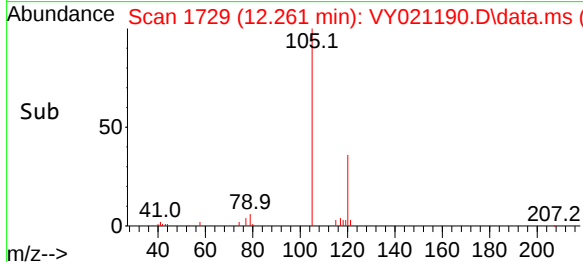
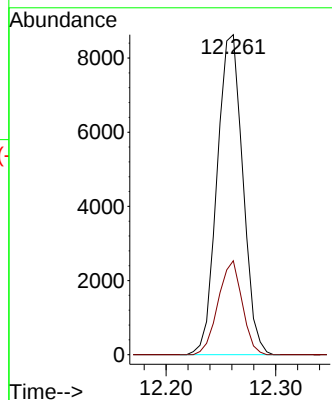
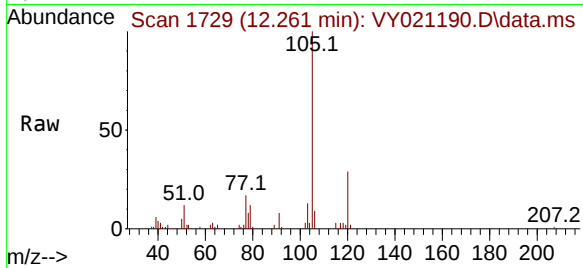
#73
Isopropylbenzene
Concen: 2.095 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion: 105 Resp: 1405
Ion Ratio Lower Upper
105 100
120 27.4 13.0 39.0

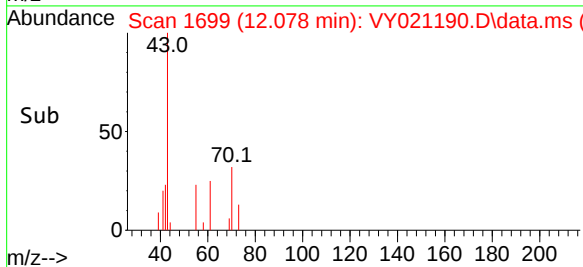
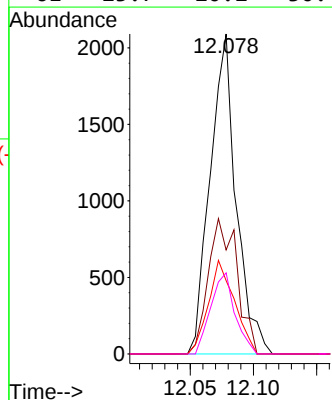
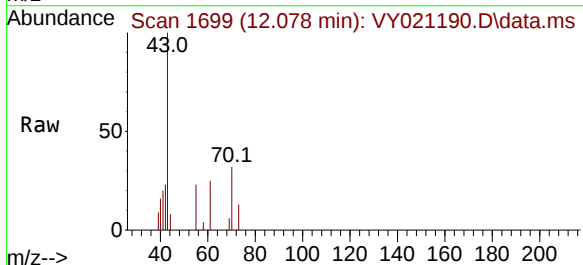
Manual Integrations
APPROVED

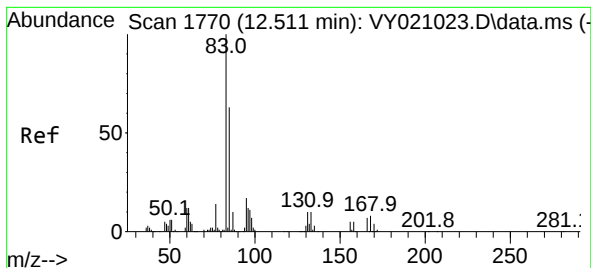
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#74
N-ethyl acetate
Concen: 2.041 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 43 Resp: 2993
Ion Ratio Lower Upper
43 100
70 46.8 36.6 55.0
55 29.3 22.2 33.4
61 23.7 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.457 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

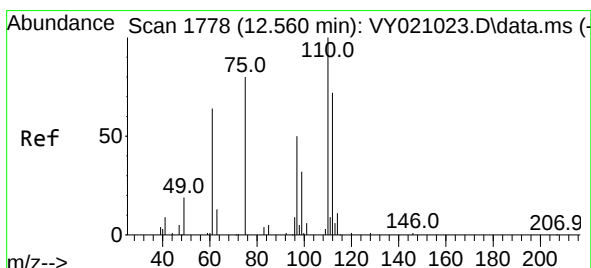
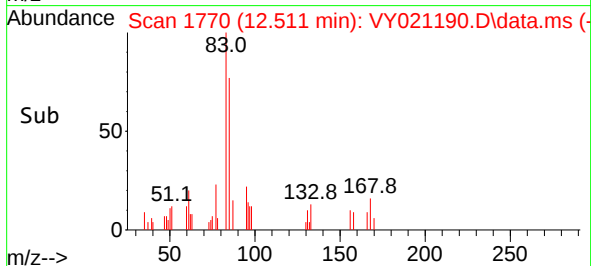
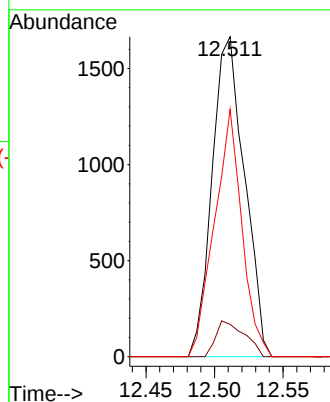
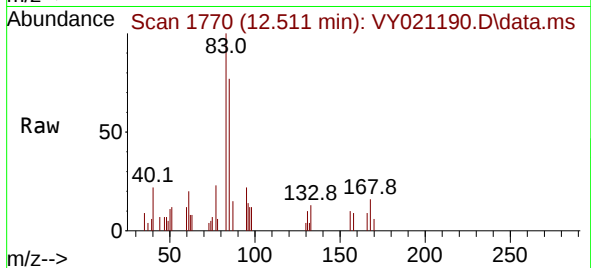
MDL-SOIL-03-QT1-2025

Tgt Ion: 83	Resp: 274
Ion Ratio	Lower Upper
83 100	
131 9.9	4.9 14.6
85 65.7	32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#76

1,2,3-Trichloropropane

Concen: 3.155 ug/l m

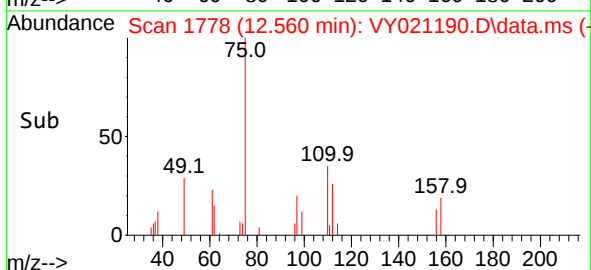
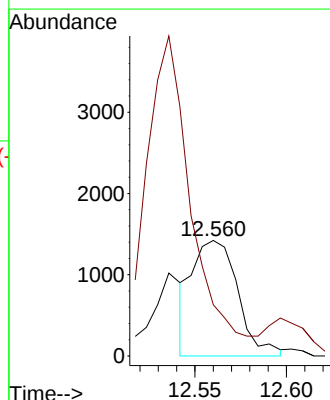
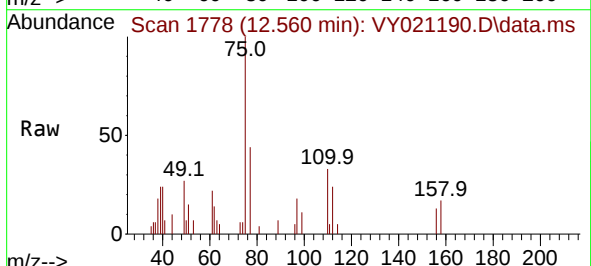
RT: 12.560 min Scan# 1778

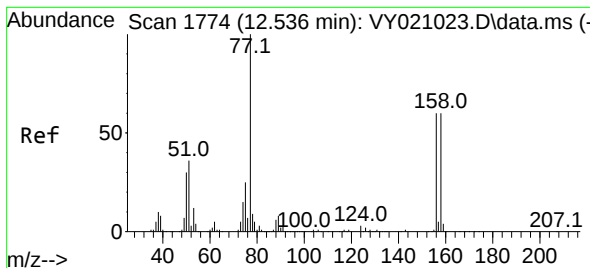
Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Tgt Ion: 75	Resp: 2457
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 2.440 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

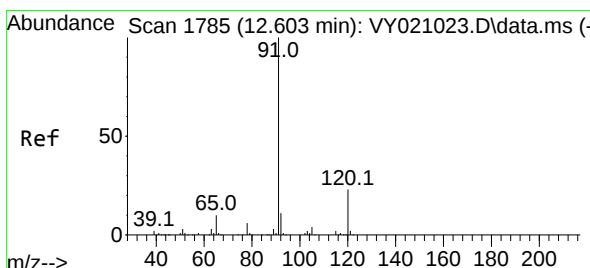
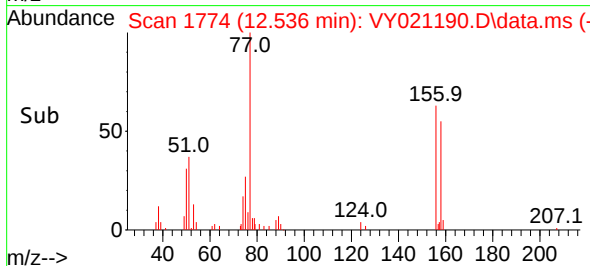
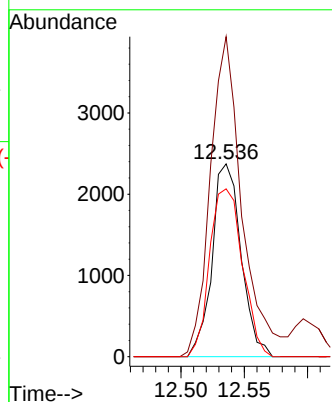
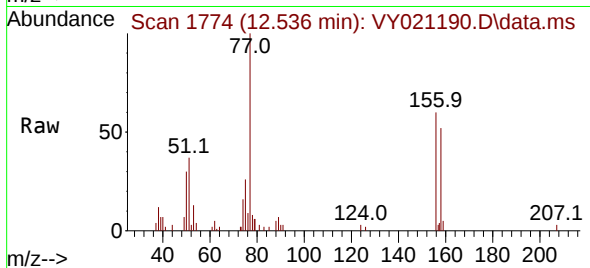
MDL-SOIL-03-QT1-2025

Tgt Ion:	156	Resp:	3770
Ion Ratio	Lower	Upper	
156	100		
77	180.4	97.3	291.8
158	99.0	48.4	145.0

Manual Integrations

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Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#78

n-propylbenzene

Concen: 2.200 ug/l

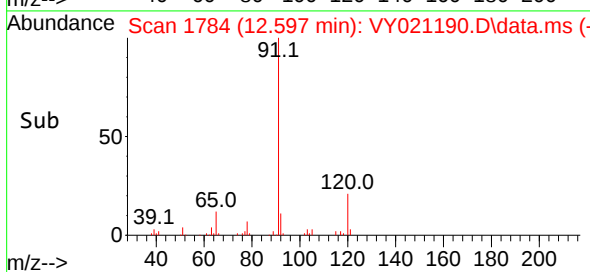
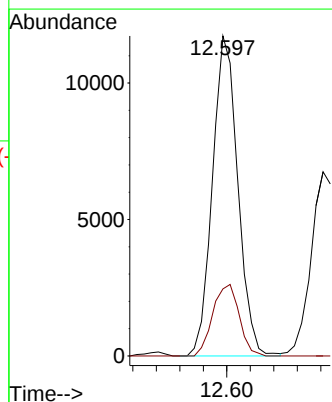
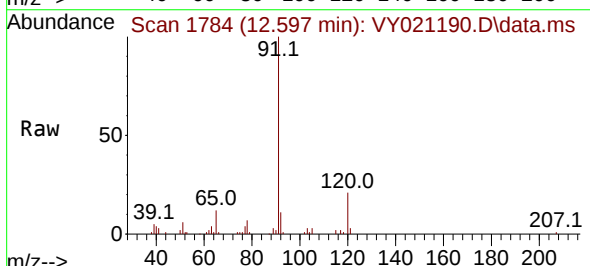
RT: 12.597 min Scan# 1784

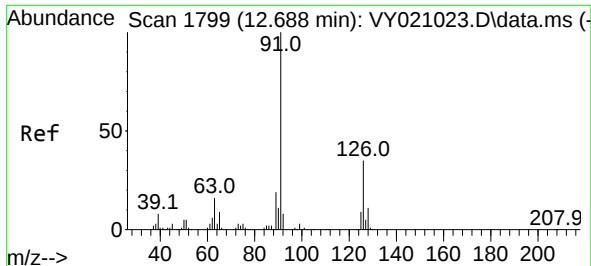
Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Tgt Ion:	91	Resp:	17580
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.0	33.0





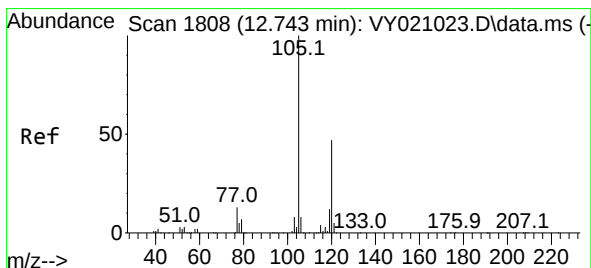
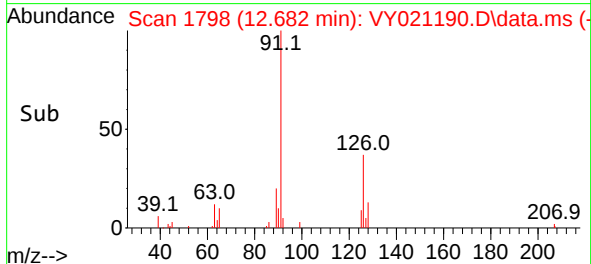
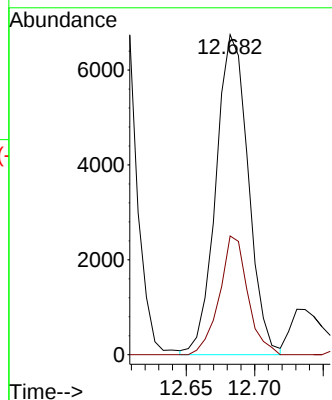
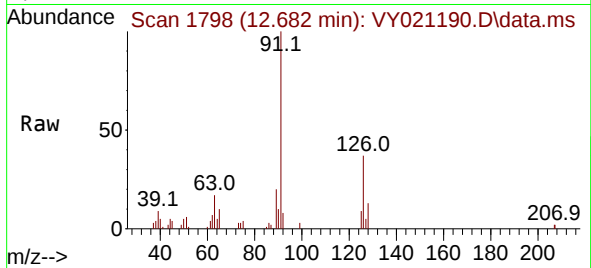
#79
2-Chlorotoluene
Concen: 2.422 ug/l
RT: 12.682 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 11084
Ion Ratio Lower Upper
91 100
126 32.5 17.0 51.0

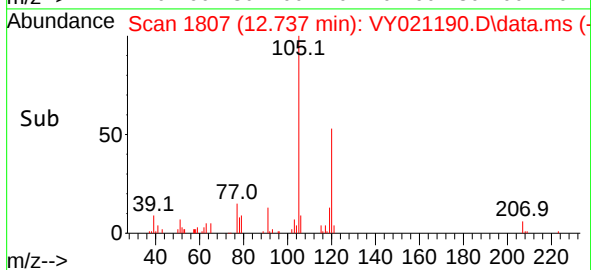
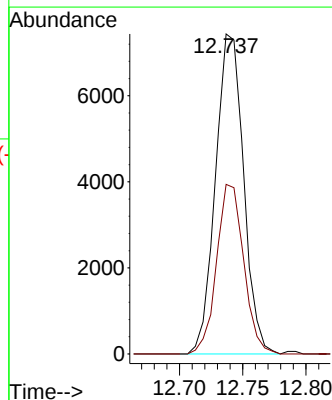
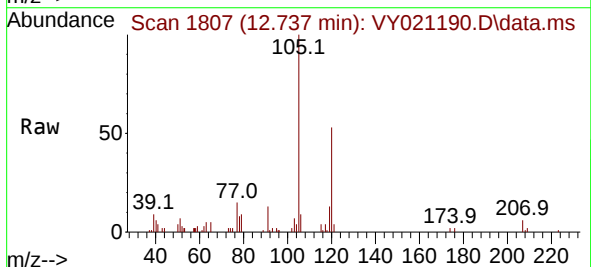
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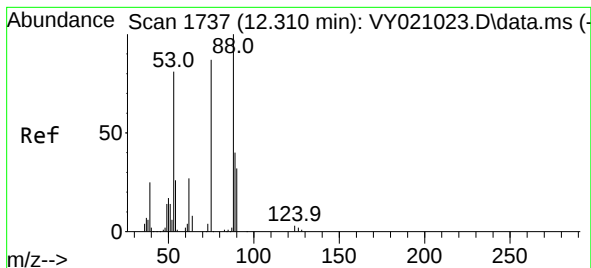
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.110 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

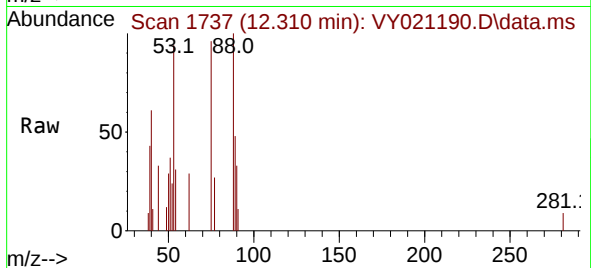
Tgt Ion:105 Resp: 11476
Ion Ratio Lower Upper
105 100
120 51.2 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 2.486 ug/l m
RT: 12.310 min Scan# 1737
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

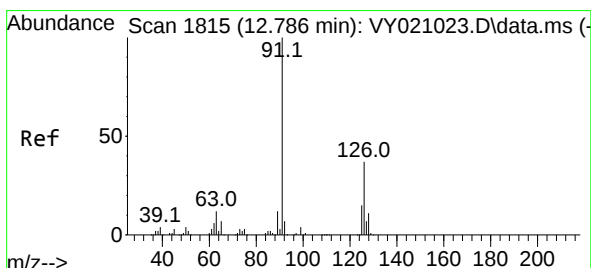
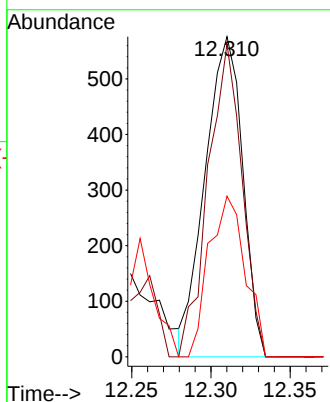
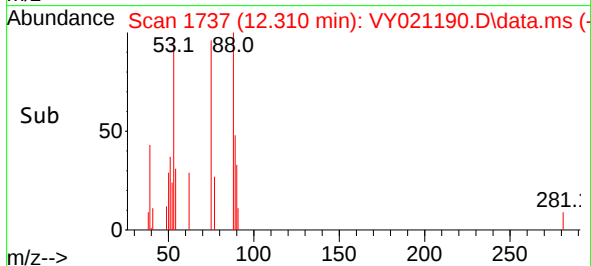
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 75 Resp: 949
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0
89 7.2 36.5 54.7

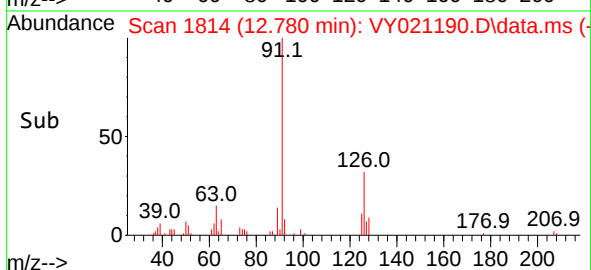
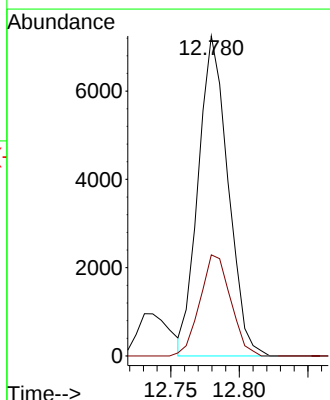
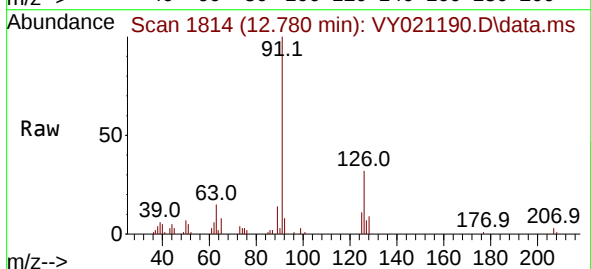
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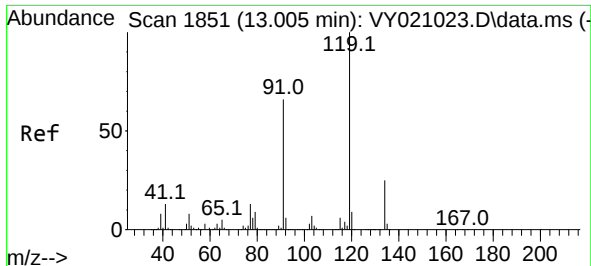
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#82
4-Chlorotoluene
Concen: 2.354 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion: 91 Resp: 10973
Ion Ratio Lower Upper
91 100
126 32.6 17.1 51.2





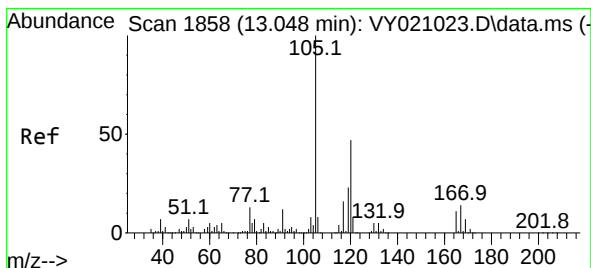
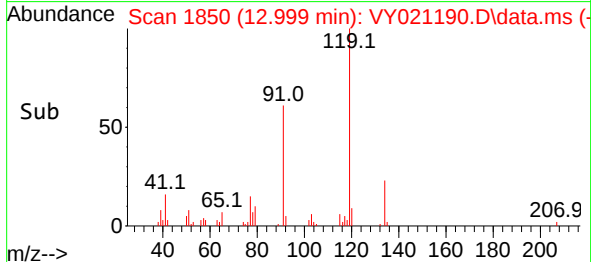
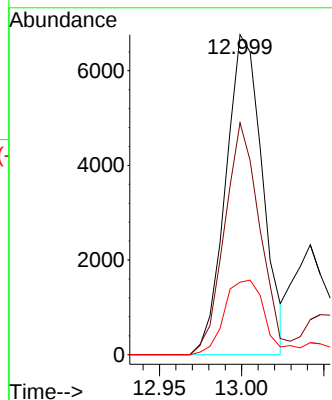
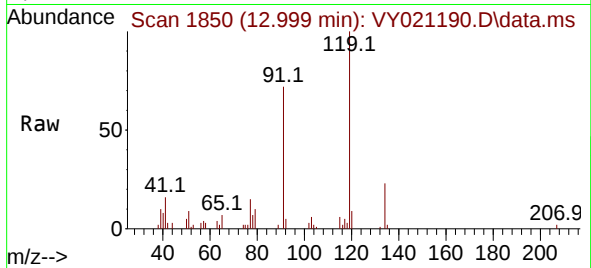
#83
tert-Butylbenzene
Concen: 2.126 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion:119 Resp: 10500
Ion Ratio Lower Upper
119 100
91 70.1 31.5 94.5
134 26.0 13.1 39.3

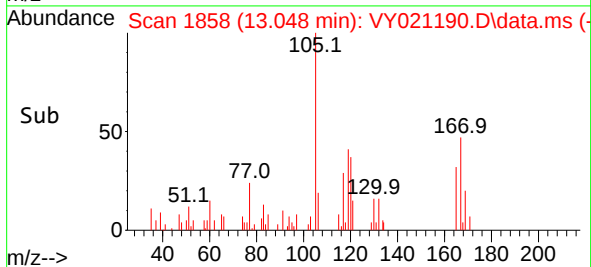
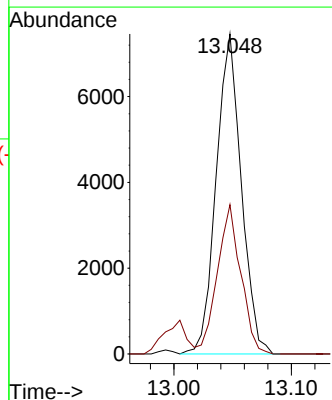
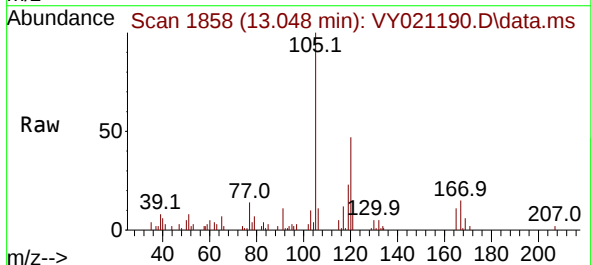
Manual Integrations
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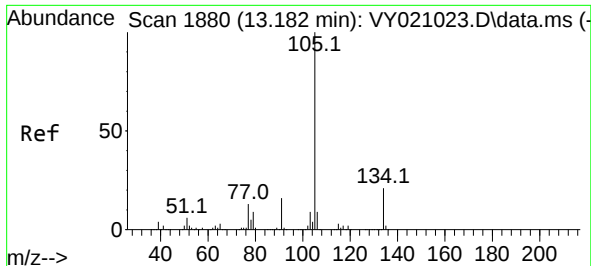
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#84
1,2,4-Trimethylbenzene
Concen: 2.082 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:105 Resp: 11072
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.3





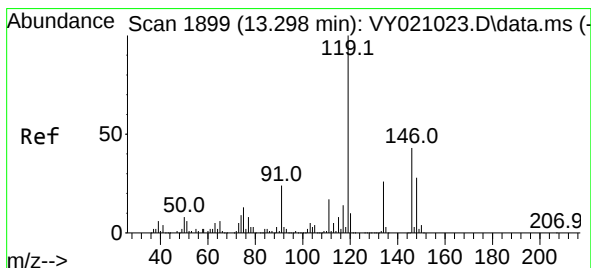
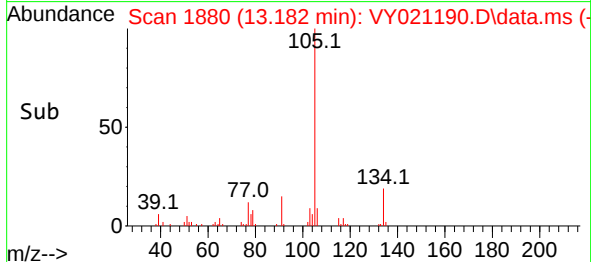
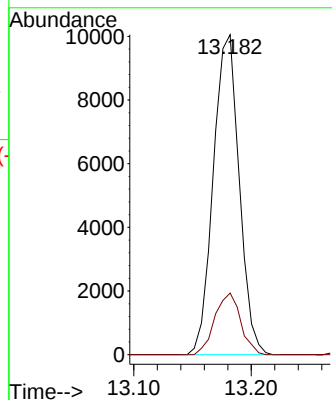
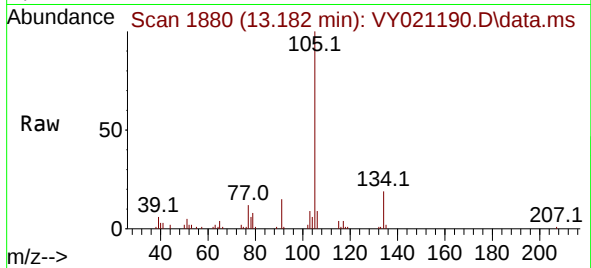
#85
 sec-Butylbenzene
 Concen: 2.166 ug/l
 RT: 13.182 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 15410
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9

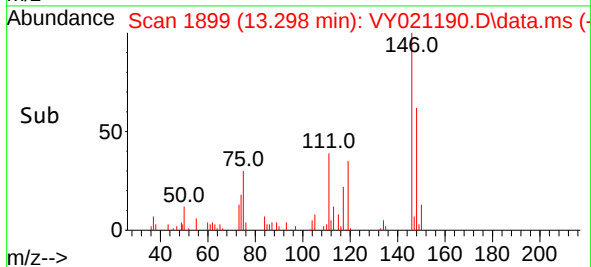
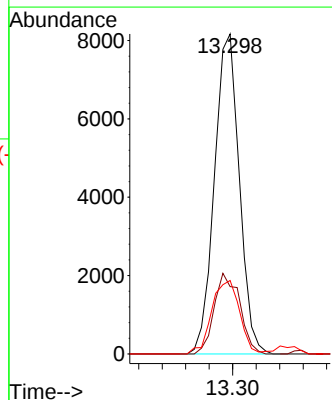
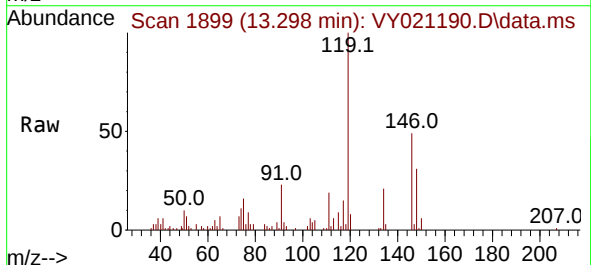
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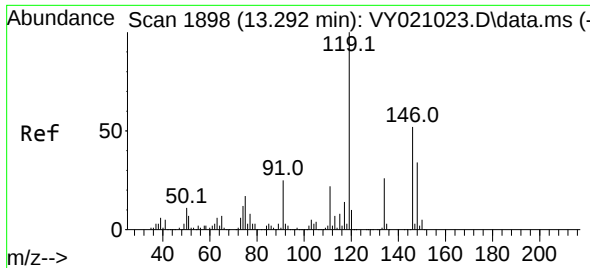
Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025



#86
 p-Isopropyltoluene
 Concen: 2.031 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. -0.000 min
 Lab File: VY021190.D
 Acq: 13 Feb 2025 11:58

Tgt Ion:119 Resp: 12006
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 25.7 11.7 35.0





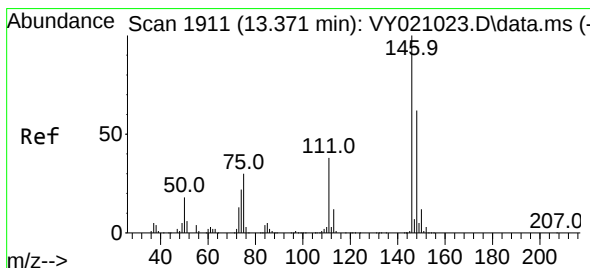
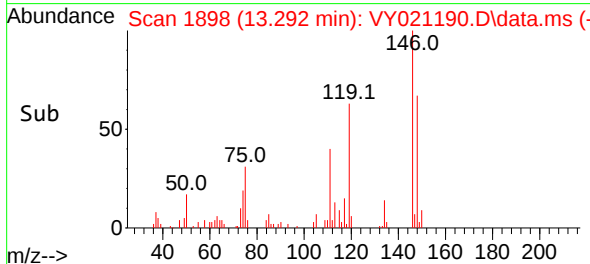
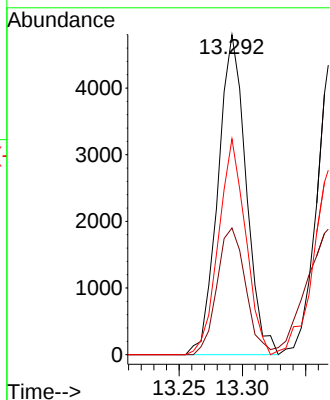
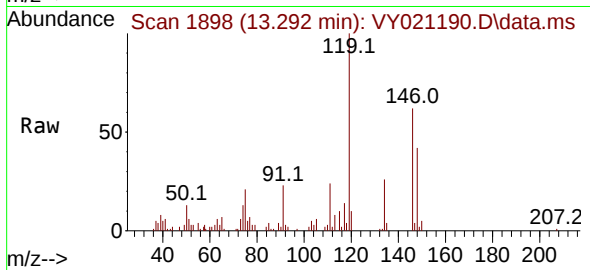
#87
1,3-Dichlorobenzene
Concen: 2.477 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion:146 Resp: 740
Ion Ratio Lower Upper
146 100
111 40.3 20.2 60.5
148 65.1 31.9 95.9

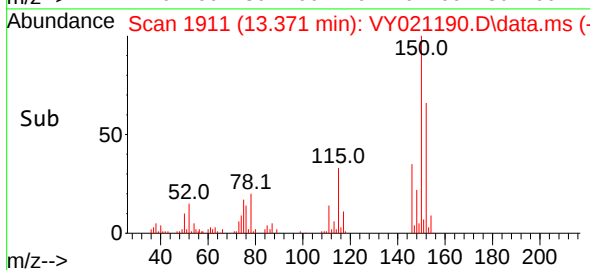
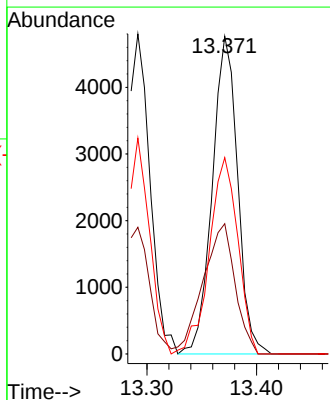
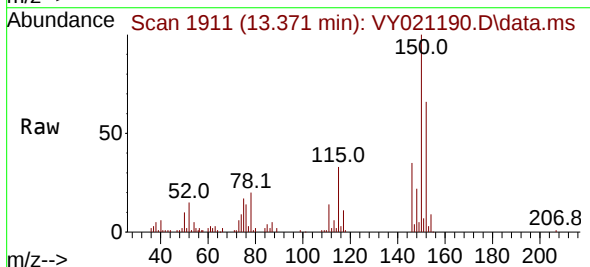
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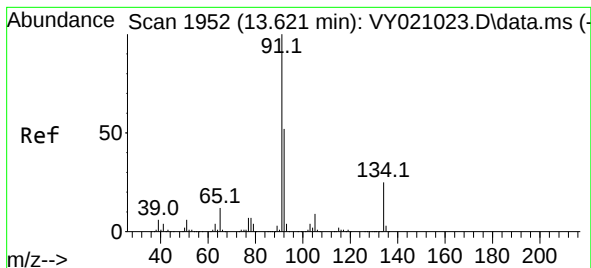
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#88
1,4-Dichlorobenzene
Concen: 2.605 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:146 Resp: 7666
Ion Ratio Lower Upper
146 100
111 51.9 19.3 57.9
148 69.6 31.6 94.7





#89

n-Butylbenzene

Concen: 2.186 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

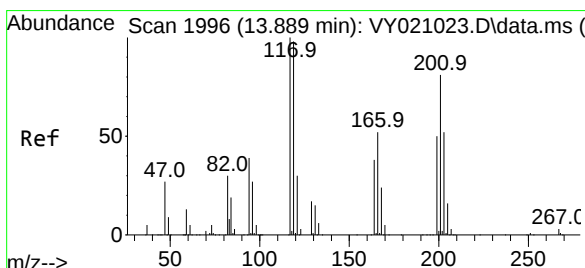
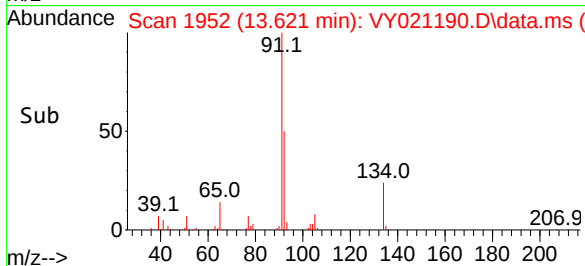
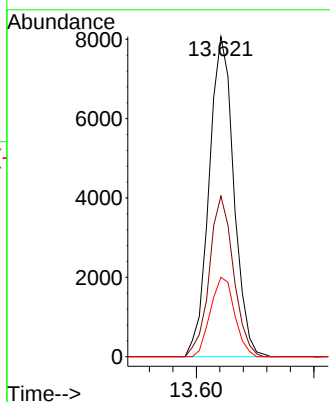
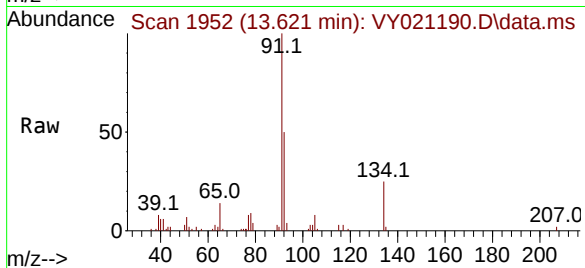
MDL-SOIL-03-QT1-2025

Tgt Ion:	91	Resp:	1178
Ion	Ratio	Lower	Upper
91	100		
92	49.2	26.4	79.2
134	24.3	12.3	36.8

Manual Integrations

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Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#90

Hexachloroethane

Concen: 2.509 ug/l

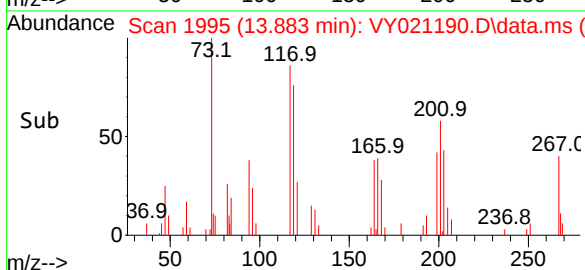
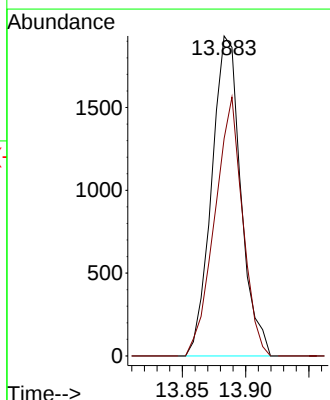
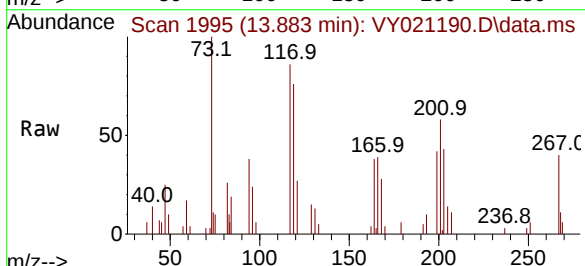
RT: 13.883 min Scan# 1995

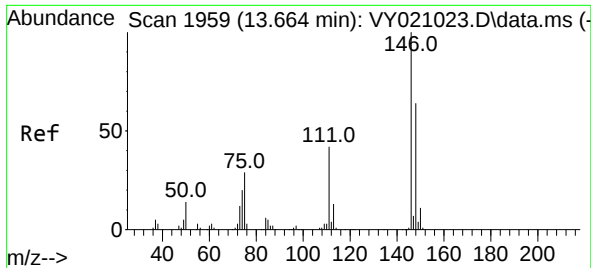
Delta R.T. -0.006 min

Lab File: VY021190.D

Acq: 13 Feb 2025 11:58

Tgt Ion:	117	Resp:	3093
Ion	Ratio	Lower	Upper
117	100		
201	77.4	33.4	100.1





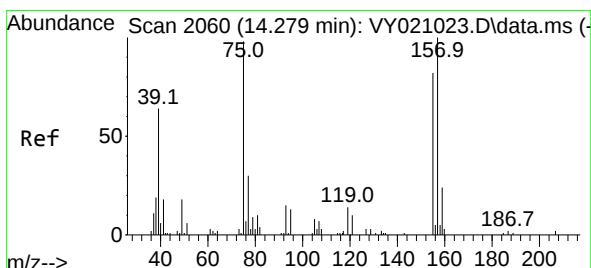
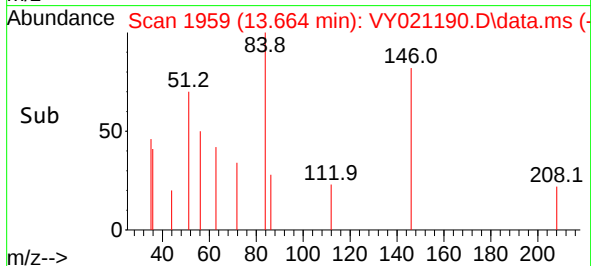
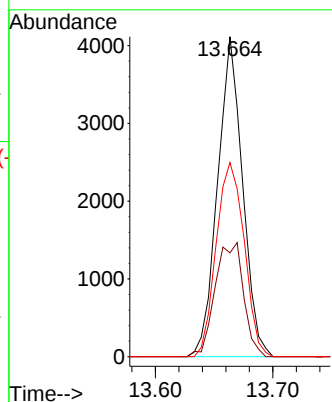
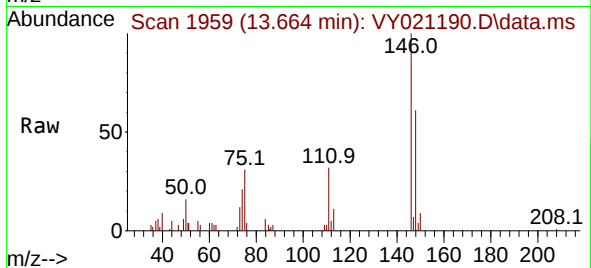
#91
1,2-Dichlorobenzene
Concen: 2.342 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion:146 Resp: 6075
Ion Ratio Lower Upper
146 100
111 40.7 20.5 61.6
148 68.0 31.4 94.3

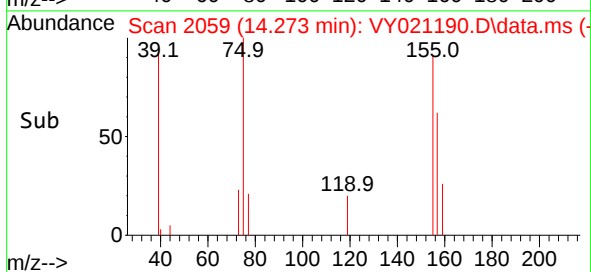
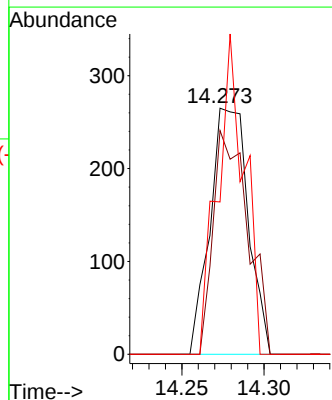
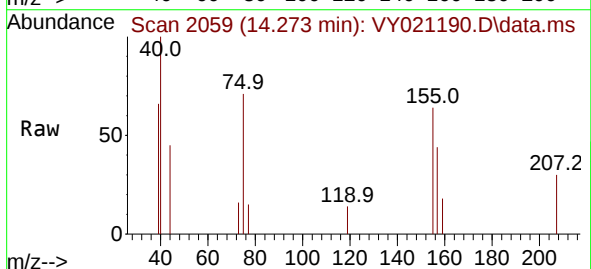
Manual Integrations
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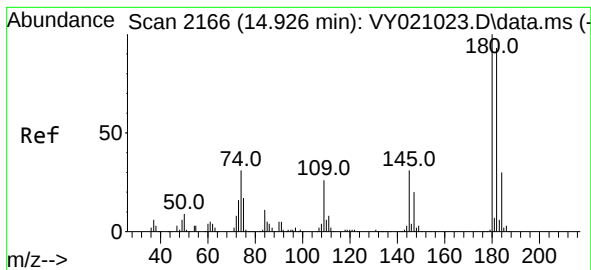
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.568 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

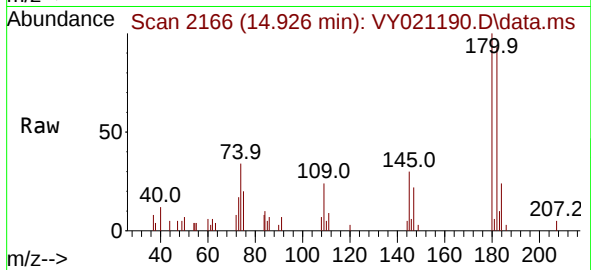
Tgt Ion: 75 Resp: 428
Ion Ratio Lower Upper
75 100
155 82.7 42.1 126.3
157 91.8 55.8 167.4





#93
1,2,4-Trichlorobenzene
Concen: 2.293 ug/l
RT: 14.926 min Scan# 2166
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

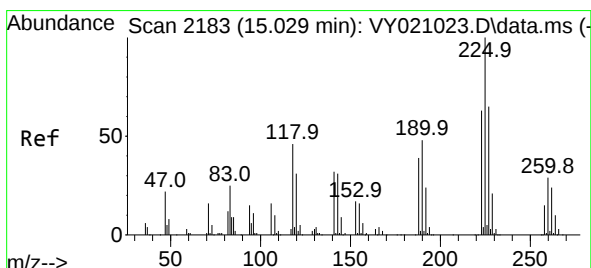
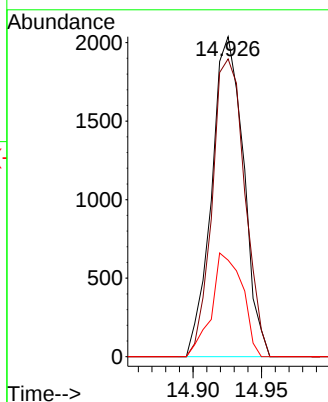
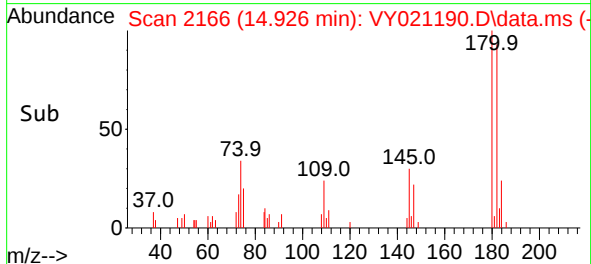
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



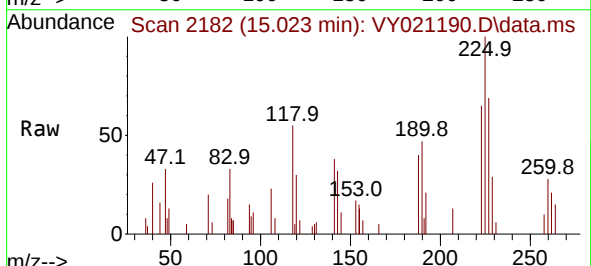
Tgt Ion:180 Resp: 3310
Ion Ratio Lower Upper
180 100
182 94.5 47.9 143.7
145 31.1 15.9 47.7

Manual Integrations
APPROVED

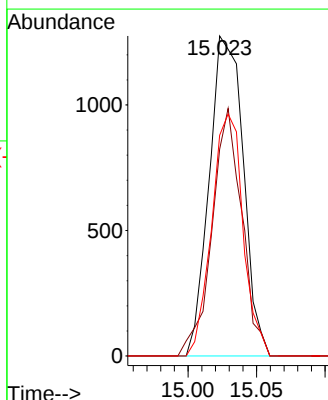
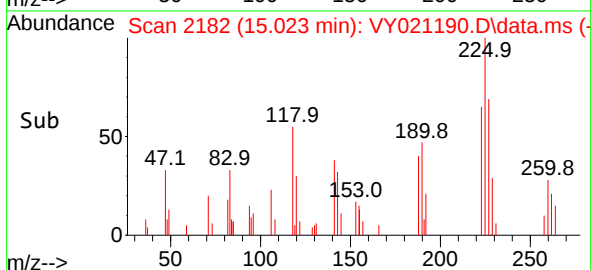
Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#94
Hexachlorobutadiene
Concen: 2.301 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.006 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58



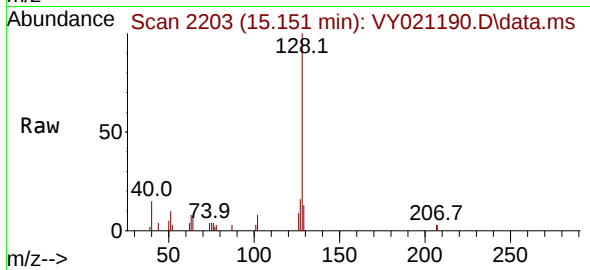
Tgt Ion:225 Resp: 2201
Ion Ratio Lower Upper
225 100
223 67.7 31.4 94.3
227 69.7 32.3 96.8





#95
Naphthalene
Concen: 2.005 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

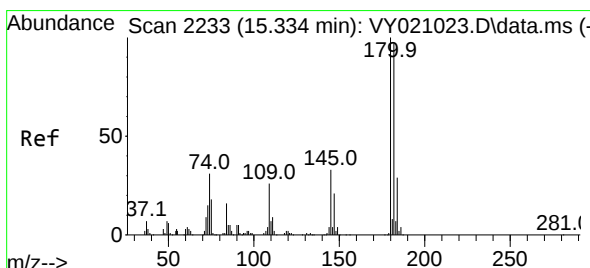
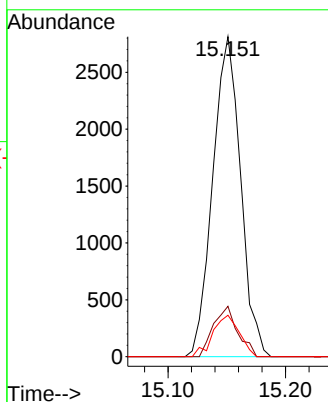
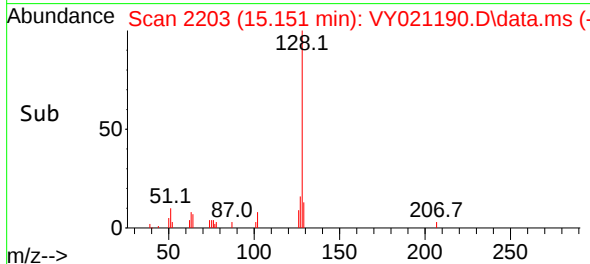
Instrument : MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:128 Resp: 463
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 12.3 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 02/14/2025
Supervised By :Mahesh Dadoda 02/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 2.278 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021190.D
Acq: 13 Feb 2025 11:58

Tgt Ion:180 Resp: 2737
Ion Ratio Lower Upper
180 100
182 96.6 46.3 138.8
145 30.8 16.1 48.2

